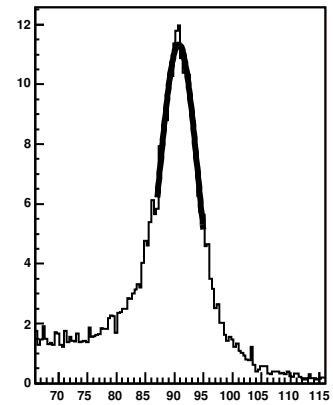
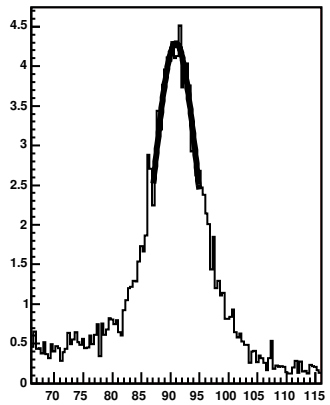
massplotst-individual dilmassTCE_TCE



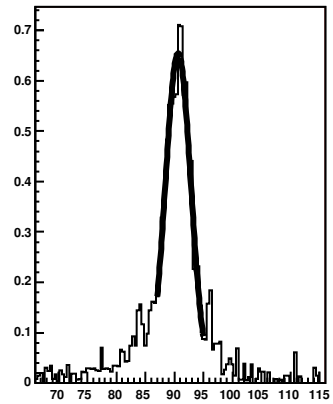
massplotst-individual dilmassTCE_TCE
integral
3.425743e+02
peak integral from gaussian
2.299501e+02
peak integral error from gaussian
6.742986e+00
Integral 66-116
6.298361e+02
Integral 66-116 Error
2.860464e+01
mean from gaussian
9.072776e+01
mean error from gaussian
5.550846e-02
sigma from gaussian
3.368292e+00
sigma error from gaussian
8.549013e-02

massplotst-individual dilmassTCE_PHX



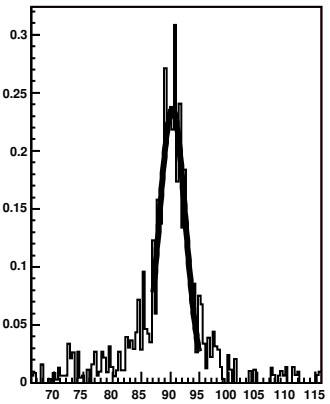
massplotst-individual dilmassTCE_PHX
integral
1.422138e+02
peak integral from gaussian
9.793042e+01
peak integral error from gaussian
5.386558e+00
Integral 66-116
1.697197e+02
Integral 66-116 Error
1.775790e+01
mean from gaussian
9.094503e+01
mean error from gaussian
1.086640e-01
sigma from gaussian
3.790453e+00
sigma error from gaussian
1.879927e-01

massplotst-individual dilmassCMUP_CMUP



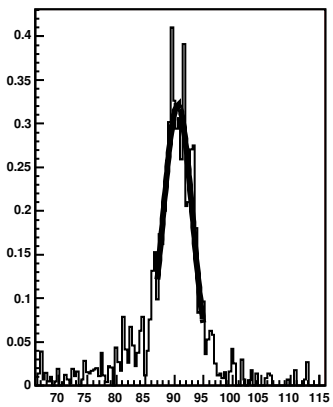
massplotst-individual dilmassCMUP_CMUP
integral
1.188513e+01
peak integral from gaussian
8.648361e+00
peak integral error from gaussian
5.586625e-01
Integral 66-116
1.397895e+01
Integral 66-116 Error
2.858715e+00
mean from gaussian
9.062232e+01
mean error from gaussian
9.317673e-02
sigma from gaussian
2.194490e+00
sigma error from gaussian
9.306792e-02

massplotst-individual dilmassCMUP_CMU



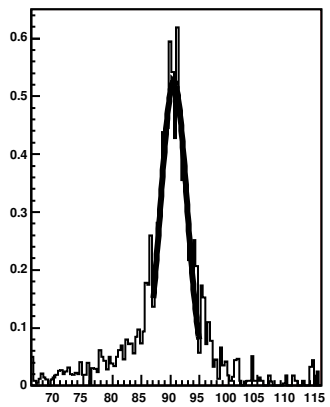
massplotst-individual dilmassCMUP_CMU
integral
4.533647e+00
peak integral from gaussian
3.154668e+00
peak integral error from gaussian
3.373334e-01
Integral 66-116
4.793987e+00
Integral 66-116 Error
1.616035e+00
mean from gaussian
9.033564e+01
mean error from gaussian
1.590742e-01
sigma from gaussian
2.219229e+00
sigma error from gaussian
1.627188e-01

massplotst-individual dilmassCMUP_CMP



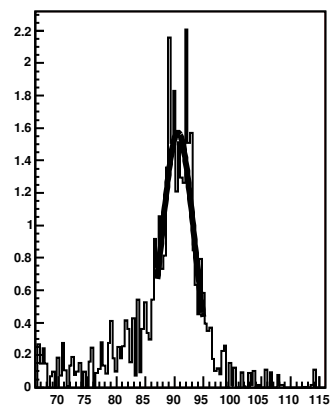
massplotst-individual dilmassCMUP_CMP
integral
6.507615e+00
peak integral from gaussian
4.896559e+00
peak integral error from gaussian
5.029429e-01
Integral 66-116
7.338163e+00
Integral 66-116 Error
2.221886e+00
mean from gaussian
9.057317e+01
mean error from gaussian
1.745287e-01
sigma from gaussian
2.534904e+00
sigma error from gaussian
1.902717e-01

massplotst-individual dilmassCMUP_CMX



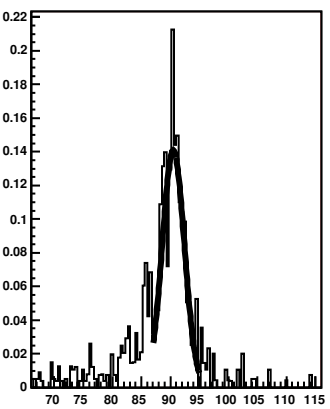
massplotst-individual dilmassCMUP_CMX
integral
1.048379e+01
peak integral from gaussian
7.121344e+00
peak integral error from gaussian
4.955477e-01
Integral 66-116
1.143870e+01
Integral 66-116 Error
2.689346e+00
mean from gaussian
9.058883e+01
mean error from gaussian
1.034732e-01
sigma from gaussian
2.250400e+00
sigma error from gaussian
1.013129e-01

massplotst-individual dilmassCMUP_CMIO



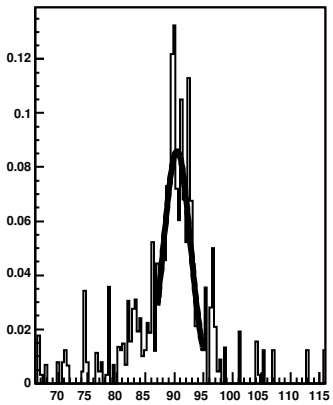
massplotst-individual dilmassCMUP_CMIO
integral
3.736742e+01
peak integral from gaussian
2.580460e+01
peak integral error from gaussian
3.416110e+00
Integral 66-116
4.720395e+01
Integral 66-116 Error
1.457670e+01
mean from gaussian
9.059966e+01
mean error from gaussian
2.273052e-01
sigma from gaussian
2.725652e+00
sigma error from gaussian
2.816453e-01

massplotst-individual dilmassCMX_CMX



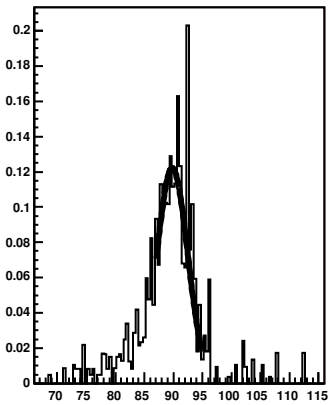
massplotst-individual dilmassCMX_CMX
integral
2.613345e+00
peak integral from gaussian
1.606348e+00
peak integral error from gaussian
2.380406e-01
Integral 66-116
3.651754e+00
Integral 66-116 Error
1.235545e+00
mean from gaussian
9.050001e+01
mean error from gaussian
1.751914e-01
sigma from gaussian
1.893387e+00
sigma error from gaussian
1.801992e-01

massplotst-individual dilmassCMX_CMU



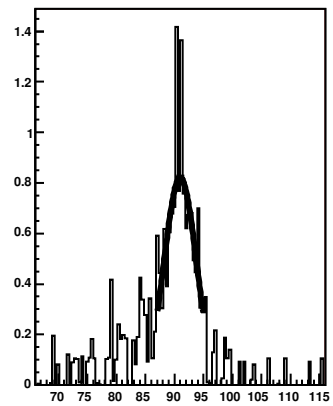
massplotst-individual dilmassCMX_CMU
integral
1.970879e+00
peak integral from gaussian
-1.188738e+00
peak integral error from gaussian
-2.224428e-01
Integral 66-116
2.067531e+00
Integral 66-116 Error
1.066690e+00
mean from gaussian
9.043738e+01
mean error from gaussian
2.854276e-01
sigma from gaussian
-2.296630e+00
sigma error from gaussian
3.027150e-01

massplotst-individual dilmassCMX_CMP



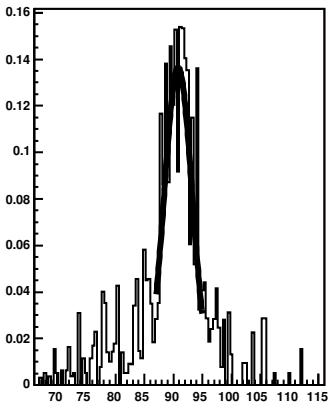
massplotst-individual dilmassCMX_CMP
integral
2.756170e+00
peak integral from gaussian
1.945191e+00
peak integral error from gaussian
3.583183e-01
Integral 66-116
2.956806e+00
Integral 66-116 Error
1.337532e+00
mean from gaussian
8.980251e+01
mean error from gaussian
4.305083e-01
sigma from gaussian
2.643944e+00
sigma error from gaussian
3.828473e-01

massplotst-individual dilmassCMX_CMIO



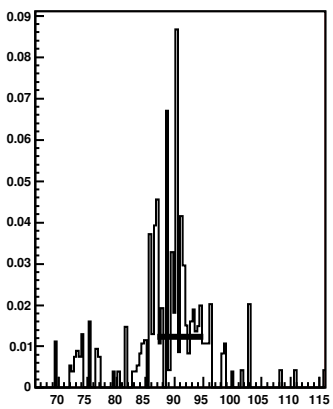
massplotst-individual dilmassCMX_CMIO
integral
1.986232e+01
peak integral from gaussian
1.358576e+01
peak integral error from gaussian
2.944621e+00
Integral 66-116
2.693723e+01
Integral 66-116 Error
1.092781e+01
mean from gaussian
9.098751e+01
mean error from gaussian
3.342627e-01
sigma from gaussian
2.746363e+00
sigma error from gaussian
4.713497e-01

massplotst-individual dilmassCMUP_BMU



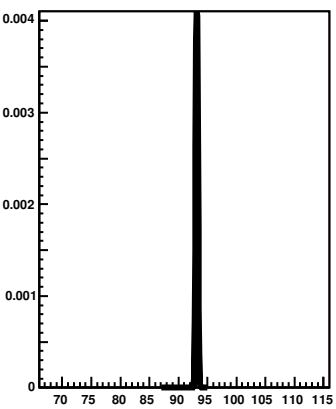
massplotst-individual dilmassCMUP_BMU
integral
3.140978e+00
peak integral from gaussian
-1.965269e+00
peak integral error from gaussian
-2.790784e-01
Integral 66-116
3.358915e+00
Integral 66-116 Error
1.393730e+00
mean from gaussian
9.082441e+01
mean error from gaussian
2.169234e-01
sigma from gaussian
-2.390814e+00
sigma error from gaussian
2.273963e-01

massplotst-individual dilmassCMX_BMU



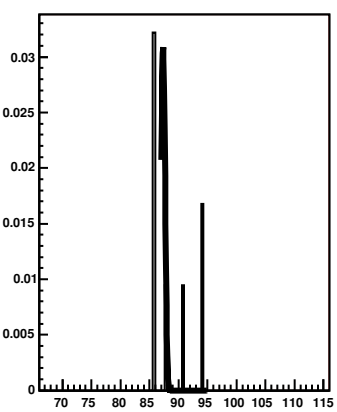
massplotst-individual dilmassCMX_BMU
integral
8.303925e-01
peak integral from gaussian
8.171527e+07
peak integral error from gaussian
5.268734e+08
Integral 66-116
9.067715e-01
Integral 66-116 Error
5.658415e-01
mean from gaussian
-5.537352e+08
mean error from gaussian
3.254426e+09
sigma from gaussian
9.217976e+08
sigma error from gaussian
5.417035e+09

massplotst-individual dilmassBMU_CMU



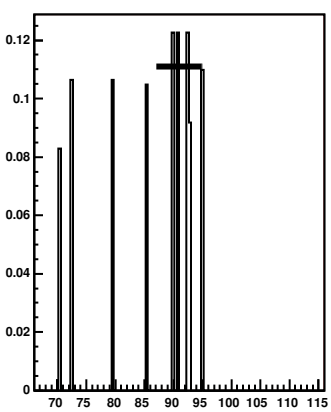
massplotst-individual dilmassBMU_CMU
integral
3.904329e-03
peak integral from gaussian
5.493236e-03
peak integral error from gaussian
1.508051e-01
Integral 66-116
3.904329e-03
Integral 66-116 Error
3.904329e-03
mean from gaussian
9.316952e+01
mean error from gaussian
3.178246e+00
sigma from gaussian
1.899292e-01
sigma error from gaussian
4.383254e+00

massplotst-individual dilmassBMU_CMP



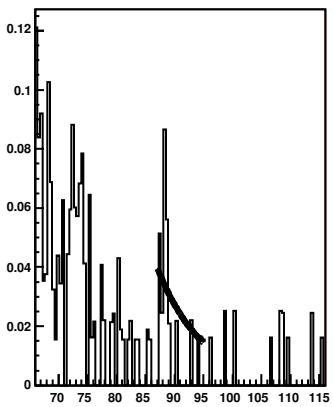
massplotst-individual dilmassBMU_CMP
integral
6.787717e-02
peak integral from gaussian
6.393087e-02
peak integral error from gaussian
1.006505e+00
Integral 66-116
8.464184e-02
Integral 66-116 Error
7.522781e-02
mean from gaussian
8.734652e+01
mean error from gaussian
2.882460e+00
sigma from gaussian
3.432960e-01
sigma error from gaussian
1.778704e+00

massplotst-individual dilmassBMU_CMIO



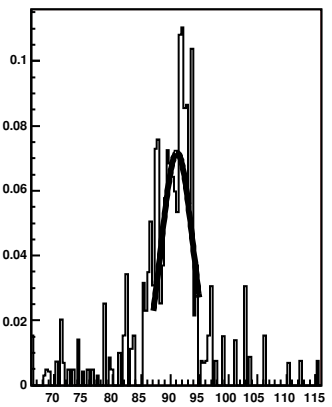
massplotst-individual dilmassBMU_CMIO
integral
9.703695e-01
peak integral from gaussian
2.890170e+08
peak integral error from gaussian
1.524424e+10
Integral 66-116
9.703695e-01
Integral 66-116 Error
9.703695e-01
mean from gaussian
9.868340e+06
mean error from gaussian
1.347507e+11
sigma from gaussian
4.325103e+08
sigma error from gaussian
2.260478e+10

massplotst-individual dilmassTCE_SCMIO



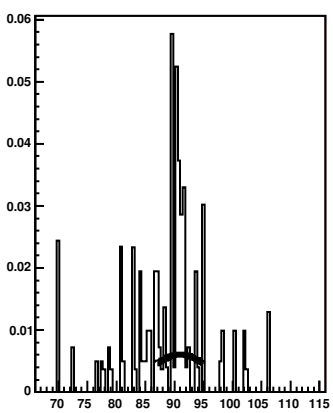
massplotst-individual dilmassTCE_SCMIO
integral
2.108457e+00
peak integral from gaussian
-1.783599e+06
peak integral error from gaussian
-3.325571e+07
Integral 66-116
3.469945e+01
Integral 66-116 Error
2.289937e+00
mean from gaussian
-1.074278e+02
mean error from gaussian
4.041474e+02
sigma from gaussian
-3.945178e+01
sigma error from gaussian
6.022390e+01

massplotst-individual dilmassCMUP_SCMIO



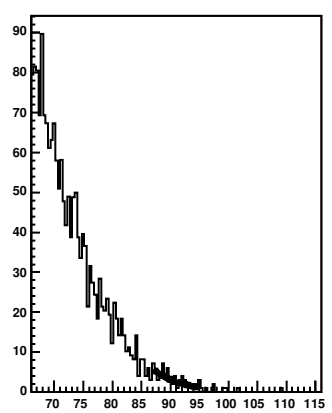
massplotst-individual dilmassCMUP_SCMIO
integral
1.776642e+00
peak integral from gaussian
-1.177527e+00
peak integral error from gaussian
-2.768537e-01
Integral 66-116
2.926581e+00
Integral 66-116 Error
9.918354e-01
mean from gaussian
9.115259e+01
mean error from gaussian
3.723496e-01
sigma from gaussian
-2.728931e+00
sigma error from gaussian
5.067013e-01

massplotst-individual dilmassCMX_SCMIO



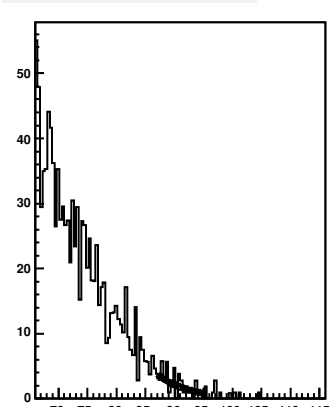
massplotst-individual dilmassCMX_SCMIO
integral
5.575821e-01
peak integral from gaussian
-1.931006e-01
peak integral error from gaussian
-4.557288e-01
Integral 66-116
8.283207e-01
Integral 66-116 Error
5.143144e-01
mean from gaussian
9.097259e+01
mean error from gaussian
3.594660e+00
sigma from gaussian
-5.293072e+00
sigma error from gaussian
1.220035e+01

massplotst-individual dilmassTCE_TCE



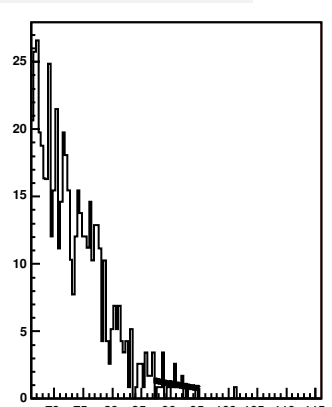
massplotst-individual dilmassTCE_TCE
integral
1.819124e+03
peak integral from gaussian
-2.233554e+10
peak integral error from gaussian
-1.546679e+11
Integral 66-116
3.659778e+04
Integral 66-116 Error
5.092161e+02
mean from gaussian
-8.731080e+01
mean error from gaussian
9.143335e+01
sigma from gaussian
-2.998476e+01
sigma error from gaussian
1.107214e+01

massplotst-individual dilmassTCE_PHX



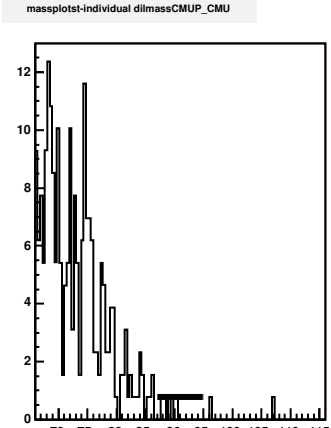
massplotst-individual dilmassTCE_PHX
integral
1.075134e+03
peak integral from gaussian
-2.514906e+08
peak integral error from gaussian
-2.441905e+09
Integral 66-116
9.931276e+03
Integral 66-116 Error
3.350992e+02
mean from gaussian
-5.716151e+01
mean error from gaussian
1.254260e+02
sigma from gaussian
-2.839574e+01
sigma error from gaussian
1.597953e+01

massplotst-individual dilmassCMUP_CMUP



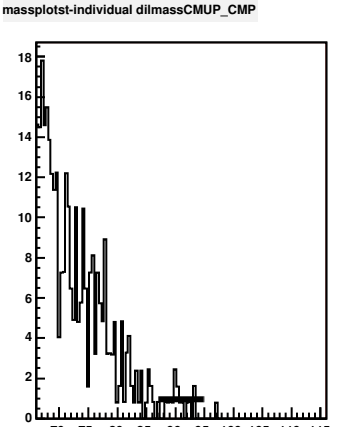
massplotst-individual dilmassCMUP_CMUP
integral
5.506185e+02
peak integral from gaussian
-4.691761e+07
peak integral error from gaussian
-1.019411e+09
Integral 66-116
1.203396e+04
Integral 66-116 Error
2.525075e+02
mean from gaussian
-2.339277e+02
mean error from gaussian
9.054707e+02
sigma from gaussian
-6.741302e+01
sigma error from gaussian
1.491461e+02

massplotst-individual dilmassCMUP_CMU



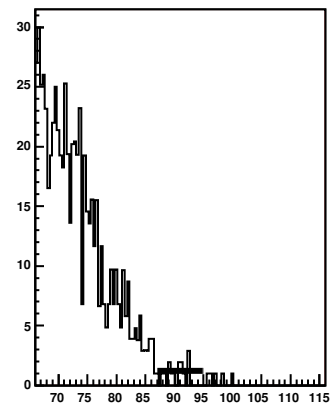
massplotst-individual dilmassCMUP_CMU
integral
2.205318e+02
peak integral from gaussian
1.158247e+03
peak integral error from gaussian
5.180266e+02
Integral 66-116
3.675761e+03
Integral 66-116 Error
1.392250e+02
mean from gaussian
8.758774e+01
mean error from gaussian
1.414213e+00
sigma from gaussian
2.489321e+02
sigma error from gaussian
1.414213e+00

massplotst-individual dilmassCMUP_CMP



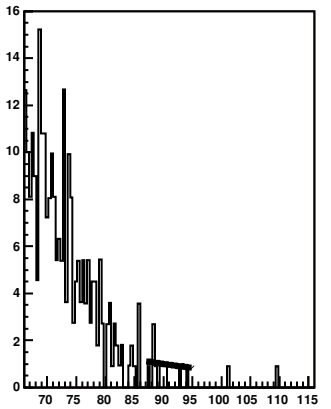
massplotst-individual dilmassCMUP_CMP
integral
3.219737e+02
peak integral from gaussian
3.312809e+03
peak integral error from gaussian
8.737400e+02
Integral 66-116
5.426906e+03
Integral 66-116 Error
1.775361e+02
mean from gaussian
1.358197e+02
mean error from gaussian
1.414213e+00
sigma from gaussian
5.826145e+02
sigma error from gaussian
1.414213e+00

massplotst-individual dilmassCMUP_CMX



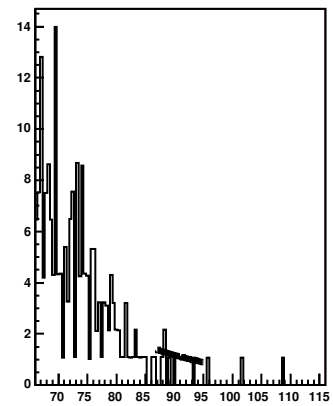
massplotst-individual dilmassCMUP_CMX
integral
6.690013e+02
peak integral from gaussian
-1.592826e+10
peak integral error from gaussian
-9.916738e+10
Integral 66-116
1.183386e+04
Integral 66-116 Error
2.865745e+02
mean from gaussian
-1.292286e+09
mean error from gaussian
5.968644e+09
sigma from gaussian
-1.393388e+09
sigma error from gaussian
6.435245e+09

massplotst-individual dilmassCMUP_CMIO



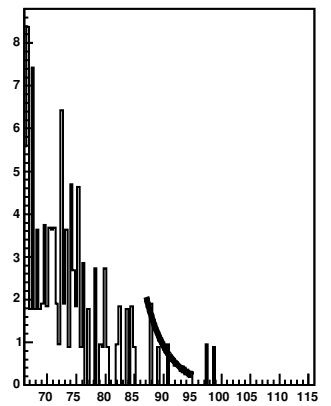
massplotst-individual dilmassCMUP_CMIO
integral
2.616270e+02
peak integral from gaussian
-8.428655e+05
peak integral error from gaussian
-3.821099e+07
Integral 66-116
4.462815e+03
Integral 66-116 Error
1.656262e+02
mean from gaussian
-3.027208e+02
mean error from gaussian
3.074791e+03
sigma from gaussian
-1.033945e+02
sigma error from gaussian
5.837228e+02

massplotst-individual dilmassCMX_CMX



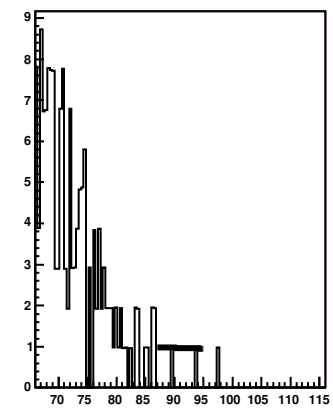
massplotst-individual dilmassCMX_CMX
integral
2.009129e+02
peak integral from gaussian
-1.864662e+06
peak integral error from gaussian
-7.759959e+07
Integral 66-116
3.655505e+03
Integral 66-116 Error
1.620796e+02
mean from gaussian
-2.075611e+02
mean error from gaussian
2.055716e+03
sigma from gaussian
-7.353569e+01
sigma error from gaussian
3.806727e+02

massplotst-individual dilmassCMX_CMU



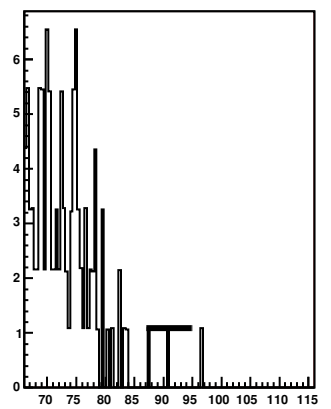
massplotst-individual dilmassCMX_CMU
integral
1.050544e+02
peak integral from gaussian
-1.095652e+10
peak integral error from gaussian
-3.086350e+11
Integral 66-116
1.605532e+03
Integral 66-116 Error
9.678782e+01
mean from gaussian
-4.340827e+01
mean error from gaussian
3.565773e+02
sigma from gaussian
-2.204502e+01
sigma error from gaussian
5.030714e+01

massplotst-individual dilmassCMX_CMP



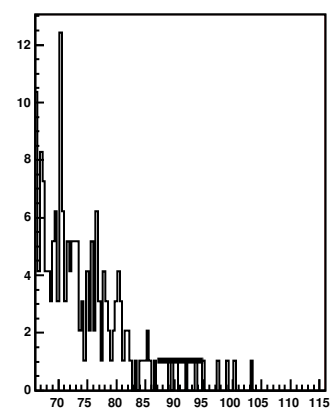
massplotst-individual dilmassCMX_CMP
integral
1.588958e+02
peak integral from gaussian
5.973447e+02
peak integral error from gaussian
2.507548e+04
Integral 66-116
2.186628e+03
Integral 66-116 Error
1.235174e+02
mean from gaussian
5.528686e+01
mean error from gaussian
3.068435e+03
sigma from gaussian
9.523898e+01
sigma error from gaussian
3.715195e+03

massplotst-individual dilmassCMX_CMIO



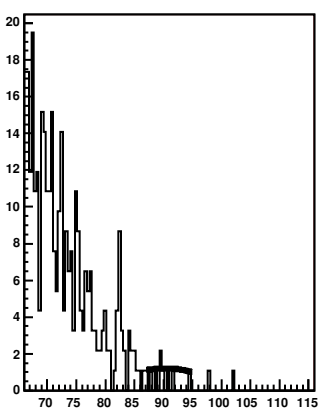
massplotst-individual dilmassCMX_CMIO
integral
1.163403e+02
peak integral from gaussian
-1.781401e+03
peak integral error from gaussian
-4.393100e+08
Integral 66-116
1.982085e+03
Integral 66-116 Error
1.131544e+02
mean from gaussian
8.911448e+01
mean error from gaussian
3.244870e+05
sigma from gaussian
-2.698236e+02
sigma error from gaussian
6.654098e+07

massplotst-individual dilmassPHX_BMU



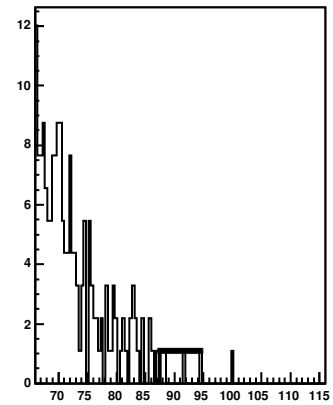
massplotst-individual dilmassPHX_BMU
integral
1.803301e+02
peak integral from gaussian
-1.285604e+05
peak integral error from gaussian
-5.393489e+06
Integral 66-116
2.590943e+03
Integral 66-116 Error
1.464034e+02
mean from gaussian
-7.016980e+03
mean error from gaussian
2.818648e+05
sigma from gaussian
-1.923258e+04
sigma error from gaussian
7.984004e+05

massplotst-individual dilmassCMUP_BMU



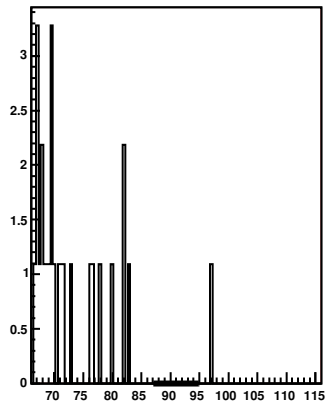
massplotst-individual dilmassCMUP_BMU
integral
3.370756e+02
peak integral from gaussian
-5.564686e+01
peak integral error from gaussian
-2.065215e+02
Integral 66-116
4.877183e+03
Integral 66-116 Error
2.015705e+02
mean from gaussian
9.032092e+01
mean error from gaussian
9.598451e+00
sigma from gaussian
-7.648640e+00
sigma error from gaussian
2.816395e+01

massplotst-individual dilmassCMX_BMU



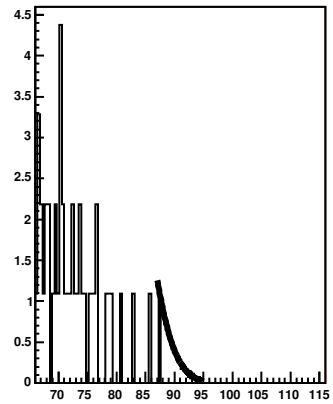
massplotst-individual dilmassCMX_BMU
integral
1.826997e+02
peak integral from gaussian
-2.381837e+03
peak integral error from gaussian
-1.394852e+08
Integral 66-116
3.083983e+03
Integral 66-116 Error
1.479959e+02
mean from gaussian
9.052103e+01
mean error from gaussian
2.237834e+05
sigma from gaussian
-3.614063e+02
sigma error from gaussian
2.116468e+07

massplotst-individual dilmassBMU_BMU



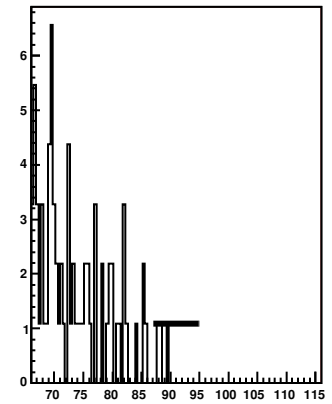
massplotst-individual dilmassBMU_BMU
integral
2.844427e+01
peak integral from gaussian
2.844427e+01
peak integral error from gaussian
3.052874e+01
Integral 66-116
8.117548e+02
Integral 66-116 Error
5.366199e+01
mean from gaussian
6.683333e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
1.438690e+00
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassBMU_CMU



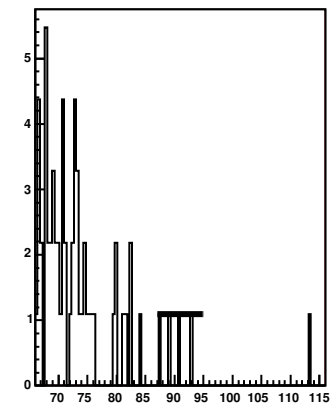
massplotst-individual dilmassBMU_CMU
integral
4.813646e+01
peak integral from gaussian
-1.415272e+02
peak integral error from gaussian
-2.089191e+03
Integral 66-116
8.172251e+02
Integral 66-116 Error
6.844119e+01
mean from gaussian
7.896593e+01
mean error from gaussian
4.182733e+01
sigma from gaussian
-4.960750e+00
sigma error from gaussian
2.083271e+01

massplotst-individual dilmassBMU_CMP



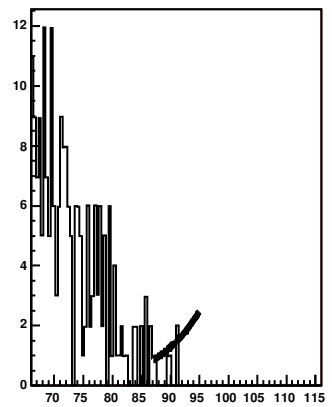
massplotst-individual dilmassBMU_CMP
integral
8.205079e+01
peak integral from gaussian
-5.020276e+03
peak integral error from gaussian
-4.124643e+08
Integral 66-116
8.970872e+02
Integral 66-116 Error
8.653675e+01
mean from gaussian
9.492296e+01
mean error from gaussian
7.034483e+05
sigma from gaussian
-7.617412e+02
sigma error from gaussian
6.258442e+07

massplotst-individual dilmassBMU_CMIO



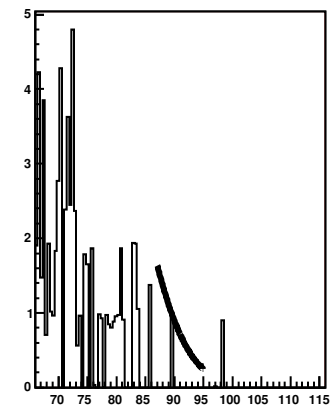
massplotst-individual dilmassBMU_CMIO
integral
6.673464e+01
peak integral from gaussian
-1.175872e+05
peak integral error from gaussian
-1.060262e+07
Integral 66-116
8.992749e+02
Integral 66-116 Error
7.814356e+01
mean from gaussian
-4.595041e+03
mean error from gaussian
3.958240e+05
sigma from gaussian
-1.719208e+04
sigma error from gaussian
1.544918e+06

massplotst-individual dilmassTCE_SCMIO



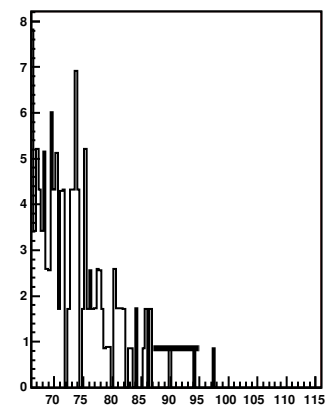
massplotst-individual dilmassTCE_SCMIO
integral
2.141598e+02
peak integral from gaussian
-8.981499e+08
peak integral error from gaussian
-1.959014e+10
Integral 66-116
3.965015e+03
Integral 66-116 Error
1.558331e+02
mean from gaussian
3.104278e+02
mean error from gaussian
6.415448e+02
sigma from gaussian
-4.041222e+01
sigma error from gaussian
9.962185e+01

massplotst-individual dilmassPHX_SCMIO



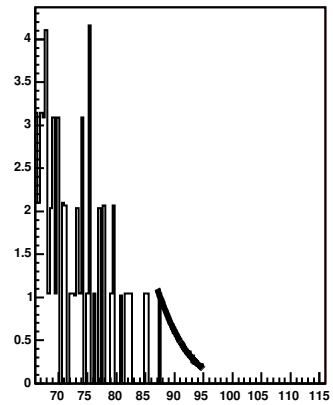
massplotst-individual dilmassPHX_SCMIO
integral
6.580651e+01
peak integral from gaussian
-2.841342e+02
peak integral error from gaussian
-4.136640e+03
Integral 66-116
6.602772e+02
Integral 66-116 Error
6.733331e+01
mean from gaussian
7.377893e+01
mean error from gaussian
6.574584e+01
sigma from gaussian
-8.476259e+00
sigma error from gaussian
2.995521e+01

massplotst-individual dilmassCMUP_SCMIO



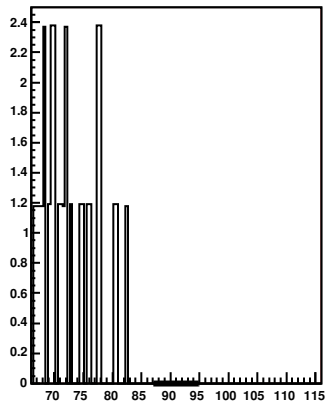
massplotst-individual dilmassCMUP_SCMIO
integral
1.258979e+02
peak integral from gaussian
-5.924093e+05
peak integral error from gaussian
-1.100091e+07
Integral 66-116
2.292218e+03
Integral 66-116 Error
1.097239e+02
mean from gaussian
-6.697057e+04
mean error from gaussian
1.028624e+06
sigma from gaussian
-8.281881e+04
sigma error from gaussian
1.266082e+06

massplotst-individual dilmassCMX_SCMIO



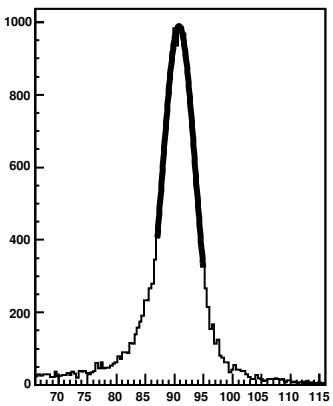
massplotst-individual dilmassCMX_SCMIO
integral
6.009922e+01
peak integral from gaussian
-1.757397e+02
peak integral error from gaussian
-2.648653e+03
Integral 66-116
9.034975e+02
Integral 66-116 Error
7.281536e+01
mean from gaussian
7.428290e+01
mean error from gaussian
7.789222e+01
sigma from gaussian
-8.428281e+00
sigma error from gaussian
4.282866e+01

massplotst-individual dilmassBMU_SCMIO



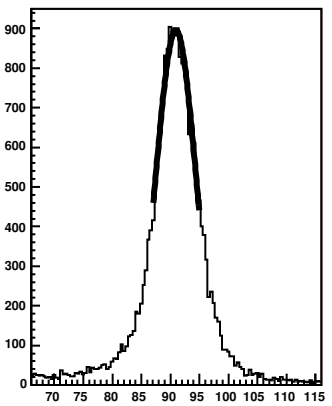
massplotst-individual dilmassBMU_SCMIO
integral
3.323870e+01
peak integral from gaussian
3.323870e+01
peak integral error from gaussian
2.830558e+01
Integral 66-116
3.786744e+02
Integral 66-116 Error
4.931172e+01
mean from gaussian
6.933333e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
2.317797e+00
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassTCE_TCE



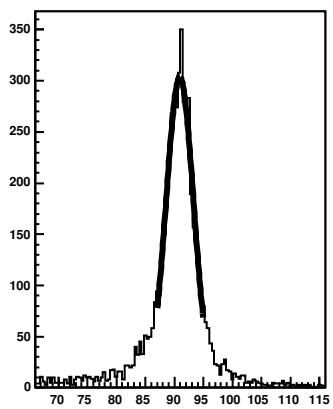
massplotst-individual dilmassTCE_TCE
integral
2.032600e+04
peak integral from gaussian
1.666923e+04
peak integral error from gaussian
3.101682e+02
Integral 66-116
2.545300e+04
Integral 66-116 Error
1.273371e+03
mean from gaussian
9.077223e+01
mean error from gaussian
3.199577e-02
sigma from gaussian
2.798496e+00
sigma error from gaussian
4.090593e-02

massplotst-individual dilmassTCE_PHX



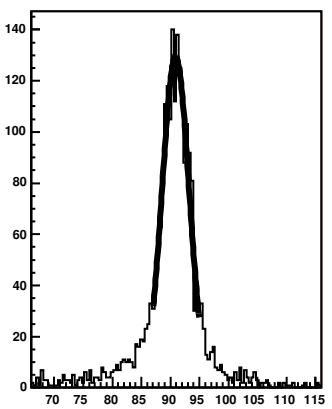
massplotst-individual dilmassTCE_PHX
integral
2.143000e+04
peak integral from gaussian
1.823666e+04
peak integral error from gaussian
4.245808e+02
Integral 66-116
2.226600e+04
Integral 66-116 Error
1.282252e+03
mean from gaussian
9.093898e+01
mean error from gaussian
4.417130e-02
sigma from gaussian
3.381078e+00
sigma error from gaussian
6.791511e-02

massplotst-individual dilmassCMUP_CMUP



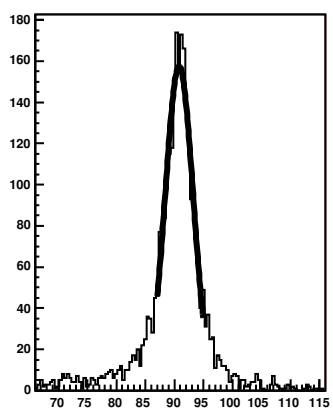
massplotst-individual dilmassCMUP_CMUP
integral
5.358000e+03
peak integral from gaussian
4.288218e+03
peak integral error from gaussian
1.320127e+02
Integral 66-116
7.275000e+03
Integral 66-116 Error
6.412353e+02
mean from gaussian
9.091605e+01
mean error from gaussian
4.519344e-02
sigma from gaussian
2.348231e+00
sigma error from gaussian
5.113274e-02

massplotst-individual dilmassCMUP_CMU



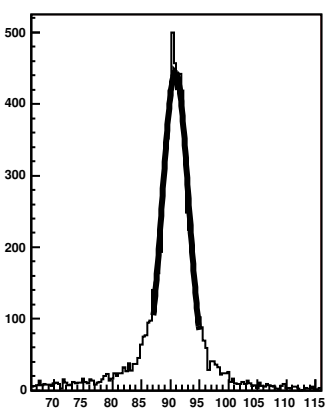
massplotst-individual dilmassCMUP_CMU
integral
2.273000e+03
peak integral from gaussian
1.796375e+03
peak integral error from gaussian
8.088532e+01
Integral 66-116
2.635000e+03
Integral 66-116 Error
3.990246e+02
mean from gaussian
9.089725e+01
mean error from gaussian
6.767569e-02
sigma from gaussian
2.305098e+00
sigma error from gaussian
7.145989e-02

massplotst-individual dilmassCMUP_CMP



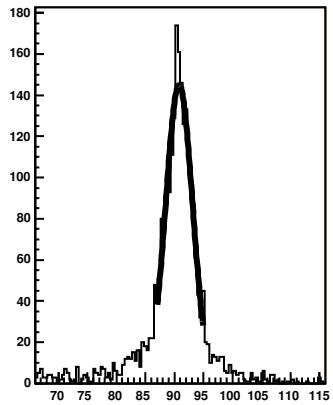
massplotst-individual dilmassCMUP_CMP
integral
2.884000e+03
peak integral from gaussian
2.275755e+03
peak integral error from gaussian
9.980139e+01
Integral 66-116
3.519000e+03
Integral 66-116 Error
4.620650e+02
mean from gaussian
9.080440e+01
mean error from gaussian
6.517596e-02
sigma from gaussian
2.399649e+00
sigma error from gaussian
7.600260e-02

massplotst-individual dilmassCMUP_CMX



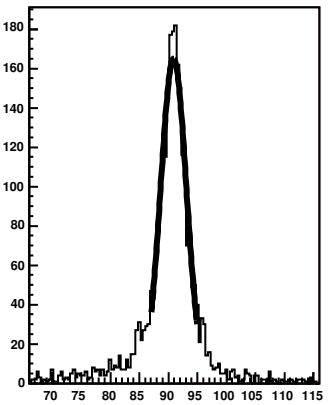
massplotst-individual dilmassCMUP_CMX
integral
7.518000e+03
peak integral from gaussian
6.010189e+03
peak integral error from gaussian
1.539909e+02
Integral 66-116
8.707000e+03
Integral 66-116 Error
7.409758e+02
mean from gaussian
9.086401e+01
mean error from gaussian
3.555278e-02
sigma from gaussian
2.249500e+00
sigma error from gaussian
4.002319e-02

massplotst-individual dilmassCMUP_CMIO



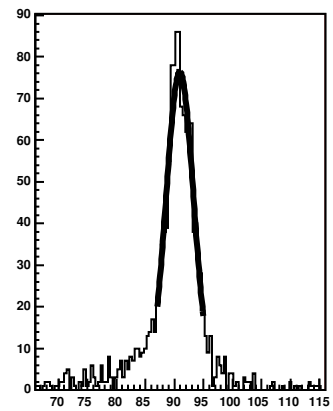
massplotst-individual dilmassCMUP_CMIO
integral
2.479000e+03
peak integral from gaussian
2.007395e+03
peak integral error from gaussian
8.943918e+01
Integral 66-116
2.988000e+03
Integral 66-116 Error
4.146728e+02
mean from gaussian
9.079559e+01
mean error from gaussian
6.455218e-02
sigma from gaussian
2.300299e+00
sigma error from gaussian
7.188245e-02

massplotst-individual dilmassCMX_CMX



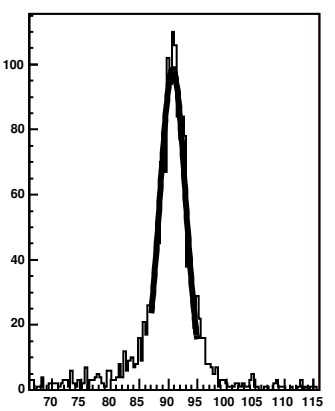
massplotst-individual dilmassCMX_CMX
integral
2.742000e+03
peak integral from gaussian
2.193367e+03
peak integral error from gaussian
9.168823e+01
Integral 66-116
3.958000e+03
Integral 66-116 Error
4.517132e+02
mean from gaussian
9.088175e+01
mean error from gaussian
5.697146e-02
sigma from gaussian
2.207490e+00
sigma error from gaussian
6.334535e-02

massplotst-individual dilmassCMX_CMU



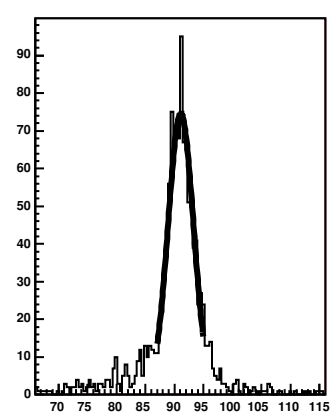
massplotst-individual dilmassCMX_CMU
integral
1.341000e+03
peak integral from gaussian
1.090561e+03
peak integral error from gaussian
6.719034e+01
Integral 66-116
1.538000e+03
Integral 66-116 Error
2.930683e+02
mean from gaussian
9.091819e+01
mean error from gaussian
9.110067e-02
sigma from gaussian
2.370852e+00
sigma error from gaussian
1.039498e-01

massplotst-individual dilmassCMX_CMP



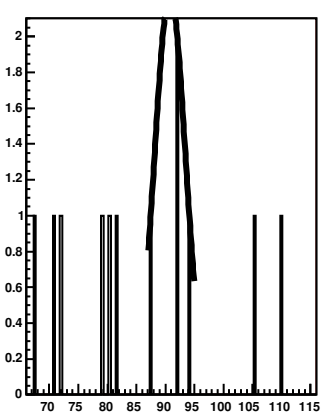
massplotst-individual dilmassCMX_CMP
integral
1.638000e+03
peak integral from gaussian
1.301957e+03
peak integral error from gaussian
6.875302e+01
Integral 66-116
1.811000e+03
Integral 66-116 Error
3.267760e+02
mean from gaussian
9.074702e+01
mean error from gaussian
7.398767e-02
sigma from gaussian
2.195007e+00
sigma error from gaussian
7.870221e-02

massplotst-individual dilmassCMX_CMIO



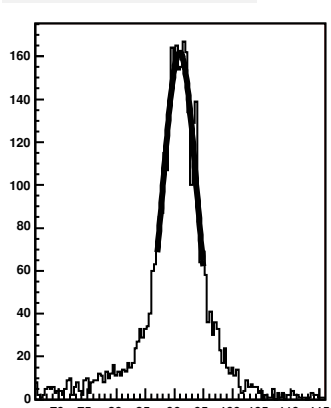
massplotst-individual dilmassCMX_CMIO
integral
1.244000e+03
peak integral from gaussian
9.820737e+02
peak integral error from gaussian
5.807907e+01
Integral 66-116
1.564000e+03
Integral 66-116 Error
2.904115e+02
mean from gaussian
9.108552e+01
mean error from gaussian
8.589610e-02
sigma from gaussian
2.187099e+00
sigma error from gaussian
8.690268e-02

massplotst-individual dilmassPHX_BMU



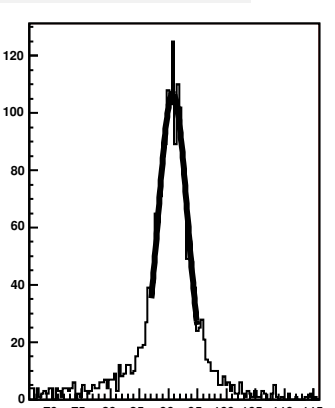
massplotst-individual dilmassPHX_BMU
integral
1.200000e+01
peak integral from gaussian
3.541743e+01
peak integral error from gaussian
4.107782e+01
Integral 66-116
6.300000e+01
Integral 66-116 Error
1.855564e+01
mean from gaussian
9.079167e+01
mean error from gaussian
1.461616e+00
sigma from gaussian
2.624477e+00
sigma error from gaussian
1.960411e+00

massplotst-individual dilmassCMUP_BMU



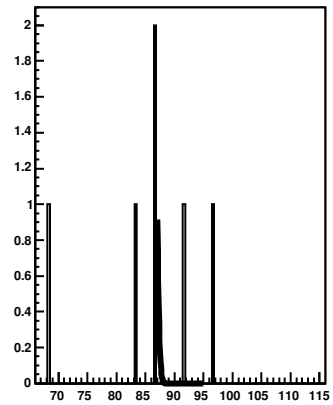
massplotst-individual dilmassCMUP_BMU
integral
3.583000e+03
peak integral from gaussian
2.864791e+03
peak integral error from gaussian
1.380071e+02
Integral 66-116
3.923000e+03
Integral 66-116 Error
5.243859e+02
mean from gaussian
9.089178e+01
mean error from gaussian
8.414787e-02
sigma from gaussian
2.940883e+00
sigma error from gaussian
1.144769e-01

massplotst-individual dilmassCMX_BMU



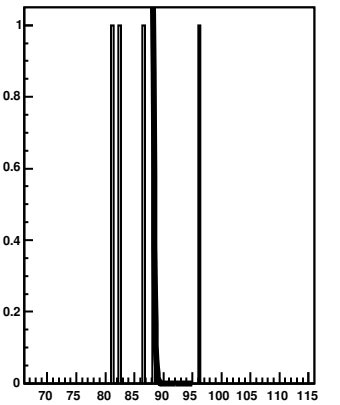
massplotst-individual dilmassCMX_BMU
integral
2.025000e+03
peak integral from gaussian
1.608832e+03
peak integral error from gaussian
8.492463e+01
Integral 66-116
2.290000e+03
Integral 66-116 Error
3.794590e+02
mean from gaussian
9.076286e+01
mean error from gaussian
8.348847e-02
sigma from gaussian
2.500195e+00
sigma error from gaussian
9.690422e-02

massplotst-individual dilmassBMU_BMU



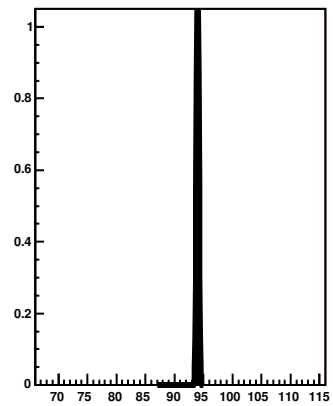
massplotst-individual dilmassBMU_BMU
integral
6.000000e+00
peak integral from gaussian
6.000000e+00
peak integral error from gaussian
1.755872e+01
Integral 66-116
2.500000e+01
Integral 66-116 Error
9.773113e+00
mean from gaussian
8.641667e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
4.980080e-01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassBMU_CMU



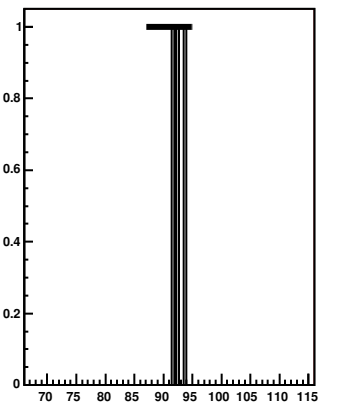
massplotst-individual dilmassBMU_CMU
integral
5.000000e+00
peak integral from gaussian
2.128899e+04
peak integral error from gaussian
3.051218e+05
Integral 66-116
7.000000e+00
Integral 66-116 Error
6.414214e+00
mean from gaussian
8.488728e+01
mean error from gaussian
3.013709e+00
sigma from gaussian
8.329183e-01
sigma error from gaussian
7.339789e-01

massplotst-individual dilmassBMU_CMP



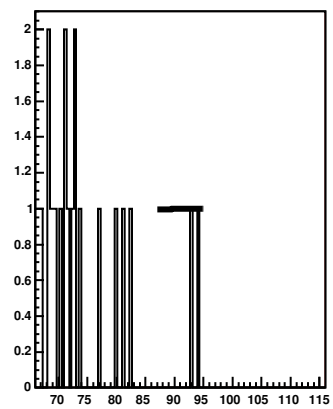
massplotst-individual dilmassBMU_CMP
integral
1.000000e+00
peak integral from gaussian
1.406961e+00
peak integral error from gaussian
3.862542e+01
Integral 66-116
3.000000e+00
Integral 66-116 Error
2.414214e+00
mean from gaussian
9.400286e+01
mean error from gaussian
3.178252e+00
sigma from gaussian
1.899291e-01
sigma error from gaussian
4.383298e+00

massplotst-individual dilmassBMU_CMIO



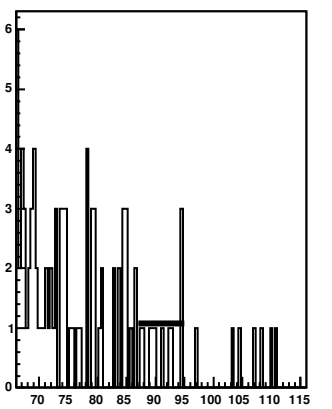
massplotst-individual dilmassBMU_CMIO
integral
3.000000e+00
peak integral from gaussian
5.644323e+03
peak integral error from gaussian
2.132724e+06
Integral 66-116
6.000000e+00
Integral 66-116 Error
4.732051e+00
mean from gaussian
2.157202e+02
mean error from gaussian
5.747250e+04
sigma from gaussian
9.287621e+02
sigma error from gaussian
3.509229e+05

massplotst-individual dilmassTCE_SCMIO



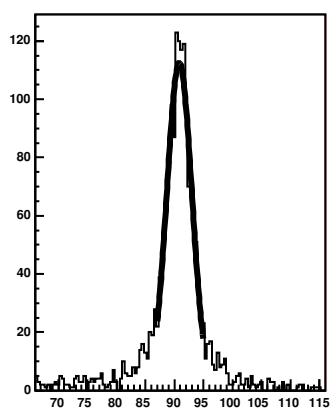
massplotst-individual dilmassTCE_SCMIO
integral
2.200000e+01
peak integral from gaussian
-3.581474e+02
peak integral error from gaussian
-1.765774e+07
Integral 66-116
5.770000e+02
Integral 66-116 Error
4.380108e+01
mean from gaussian
9.350192e+01
mean error from gaussian
2.184971e+04
sigma from gaussian
-5.945013e+01
sigma error from gaussian
2.931069e+06

massplotst-individual dilmassPHX_SCMIO



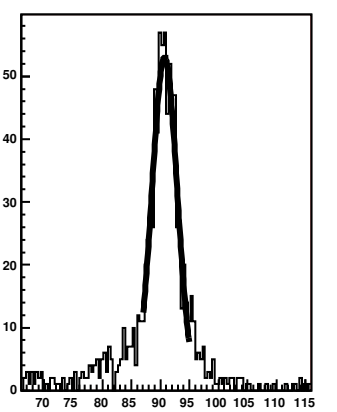
massplotst-individual dilmassPHX_SCMIO
integral
9.600000e+01
peak integral from gaussian
-3.834141e+03
peak integral error from gaussian
-1.194419e+03
Integral 66-116
2.480000e+02
Integral 66-116 Error
7.955880e+01
mean from gaussian
1.184794e+02
mean error from gaussian
1.414213e+00
sigma from gaussian
-5.886366e+02
sigma error from gaussian
1.414213e+00

massplotst-individual dilmassCMUP_SCMIO



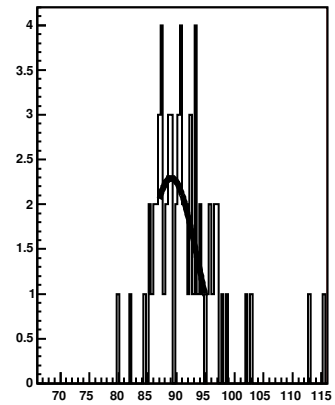
massplotst-individual dilmassCMUP_SCMIO
integral
1.835000e+03
peak integral from gaussian
1.455928e+03
peak integral error from gaussian
7.101155e+01
Integral 66-116
2.565000e+03
Integral 66-116 Error
3.647415e+02
mean from gaussian
9.083385e+01
mean error from gaussian
6.704507e-02
sigma from gaussian
2.149490e+00
sigma error from gaussian
6.993185e-02

massplotst-individual dilmassCMX_SCMIO



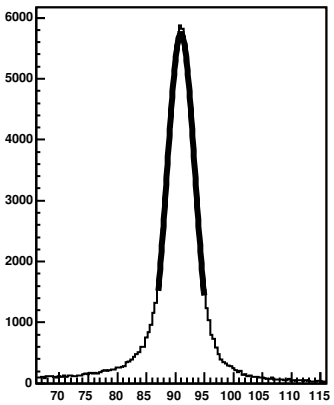
massplotst-individual dilmassCMX_SCMIO
integral
9.240000e+02
peak integral from gaussian
6.899658e+02
peak integral error from gaussian
4.998339e+01
Integral 66-116
1.140000e+03
Integral 66-116 Error
2.530070e+02
mean from gaussian
9.072040e+01
mean error from gaussian
9.865059e-02
sigma from gaussian
2.162227e+00
sigma error from gaussian
1.057492e-01

massplotst-individual dilmassBMU_SCMIO



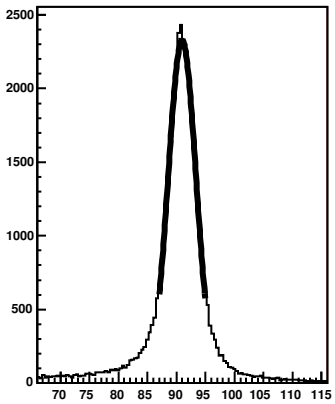
massplotst-individual dilmassBMU_SCMIO
integral
6.600000e+01
peak integral from gaussian
6.199837e+01
peak integral error from gaussian
5.584201e+01
Integral 66-116
6.900000e+01
Integral 66-116 Error
4.894865e+01
mean from gaussian
8.911240e+01
mean error from gaussian
3.022177e+00
sigma from gaussian
4.484934e+00
sigma error from gaussian
3.904197e+00

massplotst-individual dilmassCMUP_CMUP



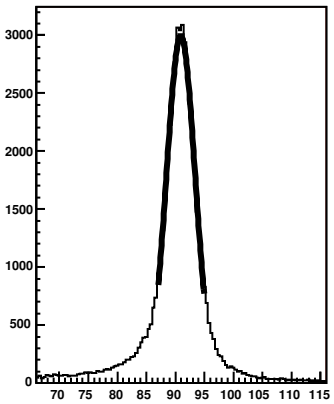
massplotst-individual dilmassCMUP_CMUP
integral
1.005208e+05
peak integral from gaussian
8.310976e+04
peak integral error from gaussian
5.364111e+02
Integral 66-116
1.128351e+05
Integral 66-116 Error
2.464232e+03
mean from gaussian
9.096026e+01
mean error from gaussian
9.772012e-03
sigma from gaussian
2.405714e+00
sigma error from gaussian
1.110927e-02

massplotst-individual dilmassCMUP_CMU



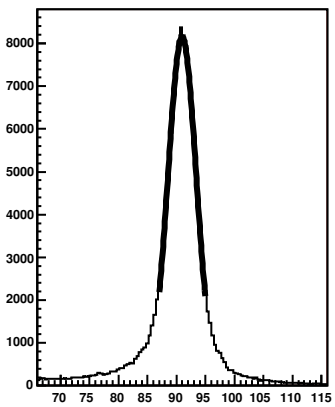
massplotst-individual dilmassCMUP_CMU
integral
4.055792e+04
peak integral from gaussian
3.345708e+04
peak integral error from gaussian
3.216170e+02
Integral 66-116
4.422705e+04
Integral 66-116 Error
1.476431e+03
mean from gaussian
9.096617e+01
mean error from gaussian
1.443194e-02
sigma from gaussian
2.388253e+00
sigma error from gaussian
1.636014e-02

massplotst-individual dilmassCMUP_CMP



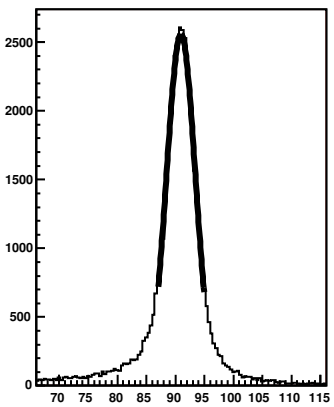
massplotst-individual dilmassCMUP_CMP
integral
5.357537e+04
peak integral from gaussian
4.407820e+04
peak integral error from gaussian
3.904402e+02
Integral 66-116
5.872442e+04
Integral 66-116 Error
1.760786e+03
mean from gaussian
9.092752e+01
mean error from gaussian
1.350028e-02
sigma from gaussian
2.445821e+00
sigma error from gaussian
1.570395e-02

massplotst-individual dilmassCMUP_CMX



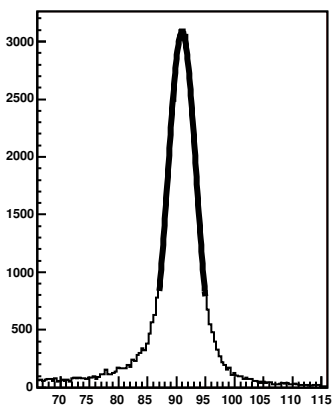
massplotst-individual dilmassCMUP_CMX
integral
1.439541e+05
peak integral from gaussian
1.189426e+05
peak integral error from gaussian
6.828665e+02
Integral 66-116
1.596991e+05
Integral 66-116 Error
3.116829e+03
mean from gaussian
9.097003e+01
mean error from gaussian
8.755507e-03
sigma from gaussian
2.424492e+00
sigma error from gaussian
1.000413e-02

massplotst-individual dilmassCMUP_CMIO



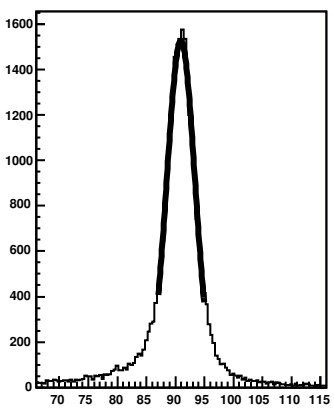
massplotst-individual dilmassCMUP_CMIO
integral
4.574033e+04
peak integral from gaussian
3.790705e+04
peak integral error from gaussian
3.815421e+02
Integral 66-116
4.995065e+04
Integral 66-116 Error
1.707249e+03
mean from gaussian
9.095538e+01
mean error from gaussian
1.553952e-02
sigma from gaussian
2.460976e+00
sigma error from gaussian
1.797495e-02

massplotst-individual dilmassCMX_CMX



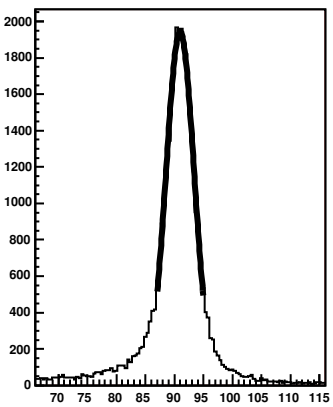
massplotst-individual dilmassCMX_CMX
integral
5.473097e+04
peak integral from gaussian
4.501310e+04
peak integral error from gaussian
4.432028e+02
Integral 66-116
6.056836e+04
Integral 66-116 Error
2.033087e+03
mean from gaussian
9.095908e+01
mean error from gaussian
1.505457e-02
sigma from gaussian
2.425695e+00
sigma error from gaussian
1.715998e-02

massplotst-individual dilmassCMX_CMU



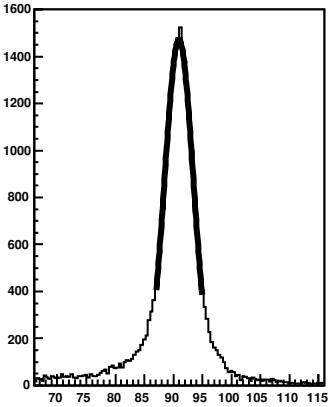
massplotst-individual dilmassCMX_CMU
integral
2.684739e+04
peak integral from gaussian
2.205871e+04
peak integral error from gaussian
2.844104e+02
Integral 66-116
2.906770e+04
Integral 66-116 Error
1.297868e+03
mean from gaussian
9.094101e+01
mean error from gaussian
1.940594e-02
sigma from gaussian
2.400113e+00
sigma error from gaussian
2.214087e-02

massplotst-individual dilmassCMX_CMP



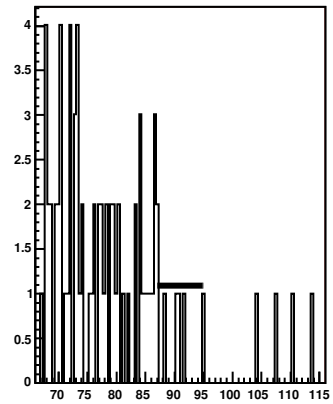
massplotst-individual dilmassCMX_CMP
integral
3.429223e+04
peak integral from gaussian
2.823665e+04
peak integral error from gaussian
3.329375e+02
Integral 66-116
3.711051e+04
Integral 66-116 Error
1.514476e+03
mean from gaussian
9.096458e+01
mean error from gaussian
1.781985e-02
sigma from gaussian
2.413461e+00
sigma error from gaussian
2.043619e-02

massplotst-individual dilmassCMX_CMIO



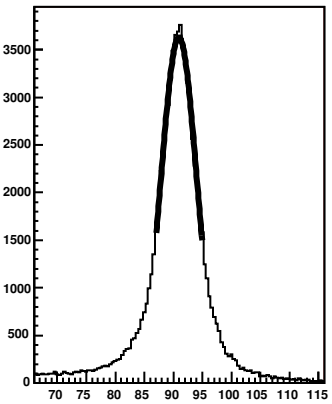
massplotst-individual dilmassCMX_CMIO
integral
2.643254e+04
peak integral from gaussian
2.164787e+04
peak integral error from gaussian
3.097853e+02
Integral 66-116
2.867948e+04
Integral 66-116 Error
1.409791e+03
mean from gaussian
9.095924e+01
mean error from gaussian
2.198186e-02
sigma from gaussian
2.442623e+00
sigma error from gaussian
2.523965e-02

massplotst-individual dilmassPHX_BMU



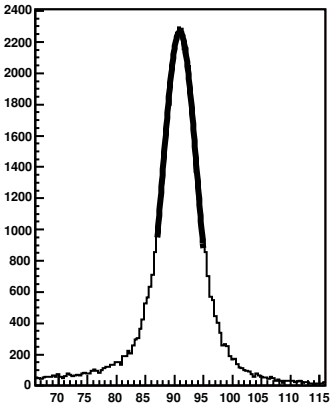
massplotst-individual dilmassPHX_BMU
integral
7.721543e+01
peak integral from gaussian
5.261623e+08
peak integral error from gaussian
1.148705e+11
Integral 66-116
1.363805e+02
Integral 66-116 Error
6.485724e+01
mean from gaussian
9.743350e+06
mean error from gaussian
4.615483e+08
sigma from gaussian
7.924104e+07
sigma error from gaussian
1.729752e+10

massplotst-individual dilmassCMUP_BMU



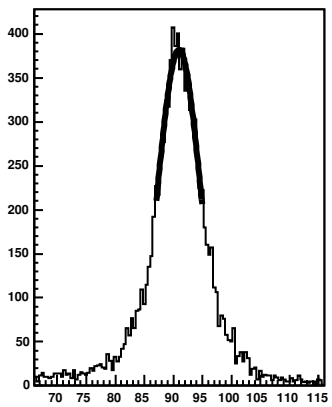
massplotst-individual dilmassCMUP_BMU
integral
7.941203e+04
peak integral from gaussian
6.602813e+04
peak integral error from gaussian
7.107741e+02
Integral 66-116
8.666507e+04
Integral 66-116 Error
2.552120e+03
mean from gaussian
9.093972e+01
mean error from gaussian
1.893310e-02
sigma from gaussian
3.019482e+00
sigma error from gaussian
2.666855e-02

massplotst-individual dilmassCMX_BMU



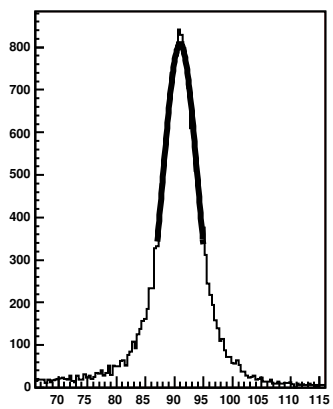
massplotst-individual dilmassCMX_BMU
integral
4.950659e+04
peak integral from gaussian
4.011194e+04
peak integral error from gaussian
5.326497e+02
Integral 66-116
5.464710e+04
Integral 66-116 Error
2.025588e+03
mean from gaussian
9.091557e+01
mean error from gaussian
2.305457e-02
sigma from gaussian
2.939408e+00
sigma error from gaussian
3.156577e-02

massplotst-individual dilmassBMU_BMU



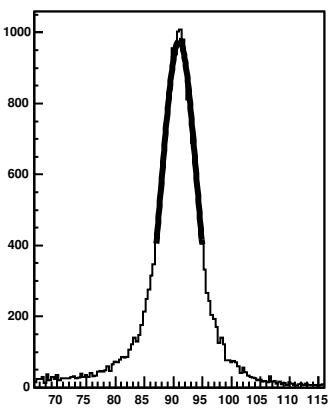
massplotst-individual dilmassBMU_BMU
integral
9.936978e+03
peak integral from gaussian
8.273592e+03
peak integral error from gaussian
3.331063e+02
Integral 66-116
1.122114e+04
Integral 66-116 Error
9.364747e+02
mean from gaussian
9.096854e+01
mean error from gaussian
7.669835e-02
sigma from gaussian
3.596787e+00
sigma error from gaussian
1.284207e-01

massplotst-individual dilmassBMU_CMU



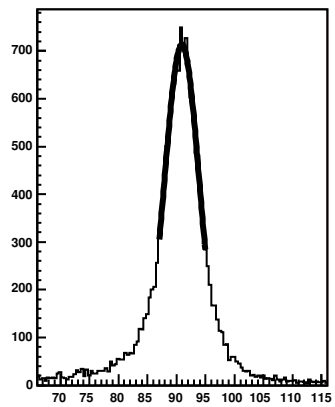
massplotst-individual dilmassBMU_CMU
integral
1.763563e+04
peak integral from gaussian
1.464867e+04
peak integral error from gaussian
3.328711e+02
Integral 66-116
1.893666e+04
Integral 66-116 Error
1.183594e+03
mean from gaussian
9.097603e+01
mean error from gaussian
3.991085e-02
sigma from gaussian
3.009570e+00
sigma error from gaussian
5.599973e-02

massplotst-individual dilmassBMU_CMP



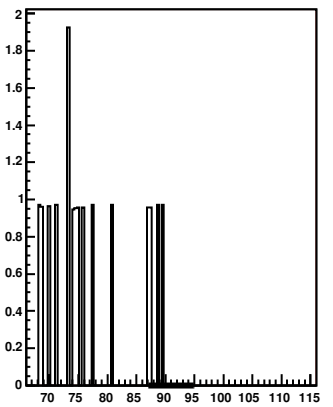
massplotst-individual dilmassBMU_CMP
integral
2.130572e+04
peak integral from gaussian
1.753486e+04
peak integral error from gaussian
3.578975e+02
Integral 66-116
2.267002e+04
Integral 66-116 Error
1.311988e+03
mean from gaussian
9.099425e+01
mean error from gaussian
3.579976e-02
sigma from gaussian
2.981764e+00
sigma error from gaussian
4.954979e-02

massplotst-individual dilmassBMU_CMIO



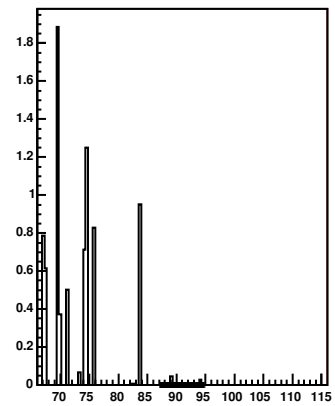
massplotst-individual dilmassBMU_CMIO
integral
1.561661e+04
peak integral from gaussian
1.280147e+04
peak integral error from gaussian
3.039276e+02
Integral 66-116
1.681642e+04
Integral 66-116 Error
1.132159e+03
mean from gaussian
9.092253e+01
mean error from gaussian
4.193629e-02
sigma from gaussian
2.980843e+00
sigma error from gaussian
5.754631e-02

massplotst-individual dilmassTCE_SCMIO



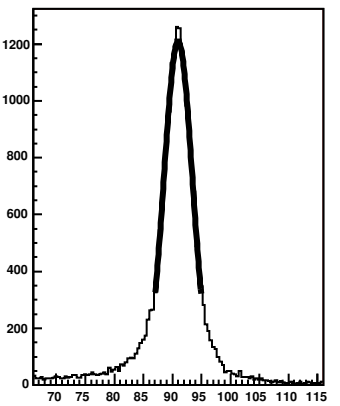
massplotst-individual dilmassTCE_SCMIO
integral
1.540384e+01
peak integral from gaussian
1.540384e+01
peak integral error from gaussian
1.993244e+01
Integral 66-116
2.400401e+01
Integral 66-116 Error
1.770636e+01
mean from gaussian
7.308333e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
1.326967e+00
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassPHX_SCMIO



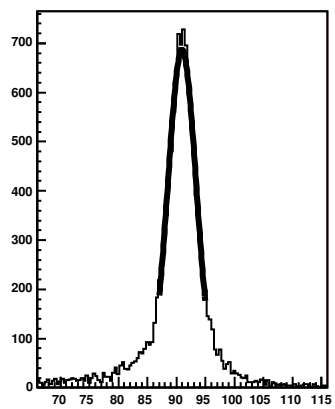
massplotst-individual dilmassPHX_SCMIO
integral
8.051560e+00
peak integral from gaussian
-2.157407e+04
peak integral error from gaussian
-1.265437e+06
Integral 66-116
1.278586e+01
Integral 66-116 Error
8.397383e+00
mean from gaussian
6.508106e+01
mean error from gaussian
3.446392e+01
sigma from gaussian
-3.877461e+00
sigma error from gaussian
1.974010e-01

massplotst-individual dilmassCMUP_SCMIO



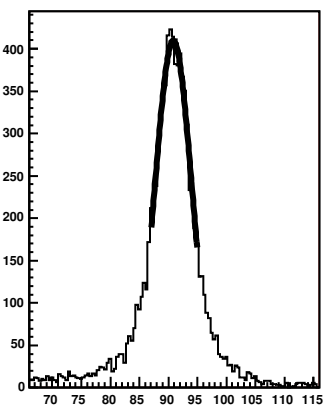
massplotst-individual dilmassCMUP_SCMIO
integral
2.156201e+04
peak integral from gaussian
1.777083e+04
peak integral error from gaussian
2.511764e+02
Integral 66-116
2.403028e+04
Integral 66-116 Error
1.146547e+03
mean from gaussian
9.098788e+01
mean error from gaussian
2.176178e-02
sigma from gaussian
2.440636e+00
sigma error from gaussian
2.485816e-02

massplotst-individual dilmassCMX_SCMIO



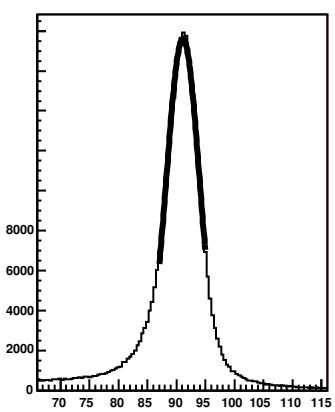
massplotst-individual dilmassCMX_SCMIO
integral
1.223982e+04
peak integral from gaussian
1.005466e+04
peak integral error from gaussian
2.089392e+02
Integral 66-116
1.341930e+04
Integral 66-116 Error
9.321464e+02
mean from gaussian
9.095489e+01
mean error from gaussian
3.128651e-02
sigma from gaussian
2.431776e+00
sigma error from gaussian
3.659312e-02

massplotst-individual dilmassBMU_SCMIO



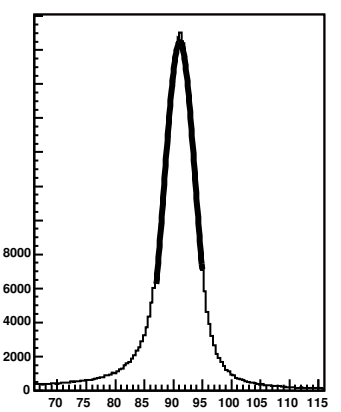
massplotst-individual dilmassBMU_SCMIO
integral
9.092123e+03
peak integral from gaussian
7.551032e+03
peak integral error from gaussian
2.540455e+02
Integral 66-116
9.876537e+03
Integral 66-116 Error
8.929315e+02
mean from gaussian
9.084433e+01
mean error from gaussian
6.033323e-02
sigma from gaussian
3.061385e+00
sigma error from gaussian
8.510043e-02

massplotst-individual dilmassTCE_TCE



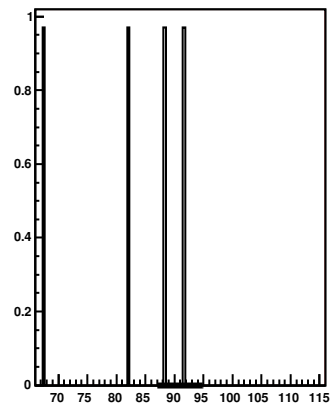
massplotst-individual dilmassTCE_TCE
integral
3.682772e+05
peak integral from gaussian
3.016903e+05
peak integral error from gaussian
1.345473e+03
Integral 66-116
4.168588e+05
Integral 66-116 Error
5.339038e+03
mean from gaussian
9.110738e+01
mean error from gaussian
7.595776e-03
sigma from gaussian
2.840087e+00
sigma error from gaussian
1.004072e-02

massplotst-individual dilmassTCE_PHX



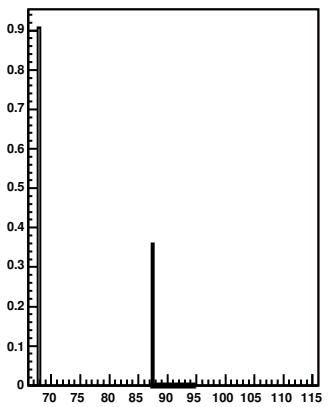
massplotst-individual dilmassTCE_PHX
integral
3.930088e+05
peak integral from gaussian
3.257847e+05
peak integral error from gaussian
1.235671e+03
Integral 66-116
4.078440e+05
Integral 66-116 Error
5.092679e+03
mean from gaussian
9.111354e+01
mean error from gaussian
6.175016e-03
sigma from gaussian
2.647139e+00
sigma error from gaussian
7.631022e-03

massplotst-individual dilmassTCE_SCMIO



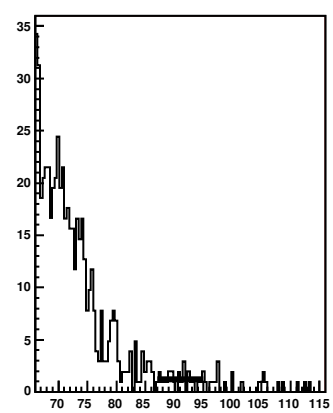
massplotst-individual dilmassTCE_SCMIO
integral
3.883535e+00
peak integral from gaussian
3.883535e+00
peak integral error from gaussian
1.002060e+01
Integral 66-116
1.826187e+01
Integral 66-116 Error
7.596286e+00
mean from gaussian
6.725000e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
6.640096e-01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassPHX_SCMIO



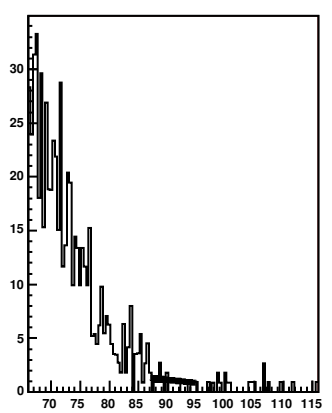
massplotst-individual dilmassPHX_SCMIO
integral
1.267584e+00
peak integral from gaussian
1.267584e+00
peak integral error from gaussian
7.986992e+00
Integral 66-116
4.540818e+00
Integral 66-116 Error
2.930906e+00
mean from gaussian
6.766667e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
2.316245e-01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassTCE_TCE



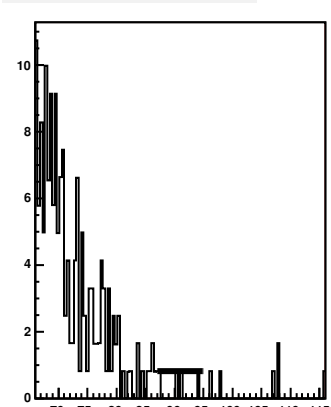
massplotst-individual dilmassTCE_TCE
integral
5.706239e+02
peak integral from gaussian
-1.695202e+09
peak integral error from gaussian
-6.346091e+09
Integral 66-116
6.695852e+03
Integral 66-116 Error
2.584764e+02
mean from gaussian
-1.283012e+08
mean error from gaussian
2.474702e+08
sigma from gaussian
-1.013002e+08
sigma error from gaussian
1.964864e+08

massplotst-individual dilmassTCE_PHX



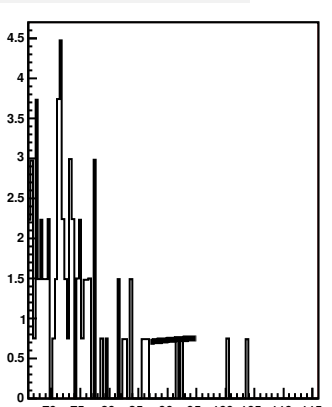
massplotst-individual dilmassTCE_PHX
integral
6.350904e+02
peak integral from gaussian
1.841943e+05
peak integral error from gaussian
6.987641e+05
Integral 66-116
2.447963e+03
Integral 66-116 Error
2.167001e+02
mean from gaussian
-1.244174e+02
mean error from gaussian
6.939976e+01
sigma from gaussian
6.153473e+01
sigma error from gaussian
1.906545e+01

massplotst-individual dilmassCMUP_CMUP



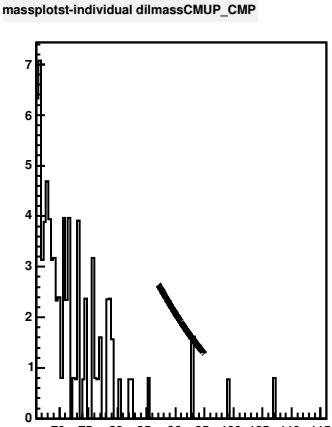
massplotst-individual dilmassCMUP_CMUP
integral
1.682171e+02
peak integral from gaussian
-7.983206e+03
peak integral error from gaussian
-1.340495e+06
Integral 66-116
1.878225e+03
Integral 66-116 Error
1.150382e+02
mean from gaussian
-8.031451e+02
mean error from gaussian
2.412485e+05
sigma from gaussian
-1.225862e+03
sigma error from gaussian
1.917808e+05

massplotst-individual dilmassCMUP_CMU



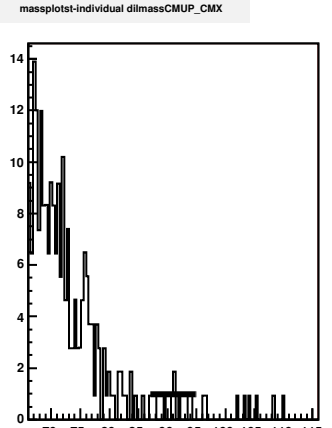
massplotst-individual dilmassCMUP_CMU
integral
6.200972e+01
peak integral from gaussian
-1.522796e+02
peak integral error from gaussian
-2.867565e+04
Integral 66-116
5.255533e+02
Integral 66-116 Error
5.886363e+01
mean from gaussian
9.935990e+01
mean error from gaussian
1.356812e+03
sigma from gaussian
-3.313319e+01
sigma error from gaussian
6.238716e+03

massplotst-individual dilmassCMUP_CMP



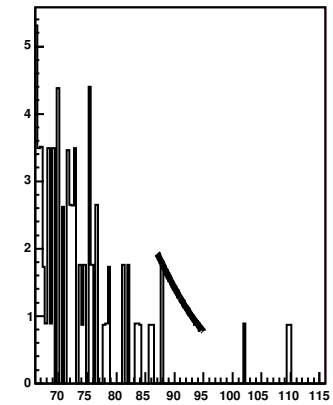
massplotst-individual dilmassCMUP_CMP
integral
7.873988e+01
peak integral from gaussian
-6.525387e+02
peak integral error from gaussian
-6.951289e+03
Integral 66-116
7.354827e+02
Integral 66-116 Error
6.530241e+01
mean from gaussian
6.455192e+01
mean error from gaussian
1.046257e+02
sigma from gaussian
-1.697538e+01
sigma error from gaussian
5.581884e+01

massplotst-individual dilmassCMUP_CMX



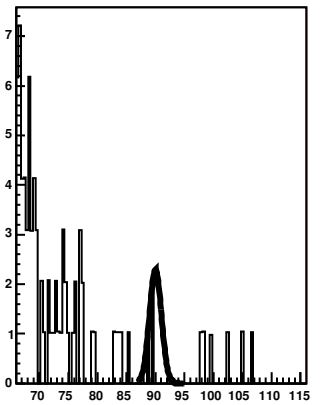
massplotst-individual dilmassCMUP_CMX
integral
2.254050e+02
peak integral from gaussian
-1.651278e+03
peak integral error from gaussian
-5.219201e+02
Integral 66-116
2.340289e+03
Integral 66-116 Error
1.433717e+02
mean from gaussian
1.138587e+02
mean error from gaussian
1.414213e+00
sigma from gaussian
-2.786589e+02
sigma error from gaussian
1.414213e+00

massplotst-individual dilmassCMUP_CMIO



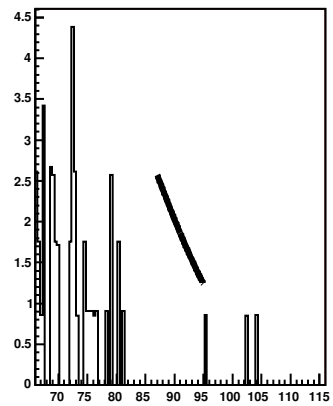
massplotst-individual dilmassCMUP_CMIO
integral
7.101438e+01
peak integral from gaussian
-4.738338e+02
peak integral error from gaussian
-5.207866e+03
Integral 66-116
7.342234e+02
Integral 66-116 Error
6.810434e+01
mean from gaussian
6.609608e+01
mean error from gaussian
1.014864e+02
sigma from gaussian
-1.465270e+01
sigma error from gaussian
6.130704e+01

massplotst-individual dilmassCMX_CMX



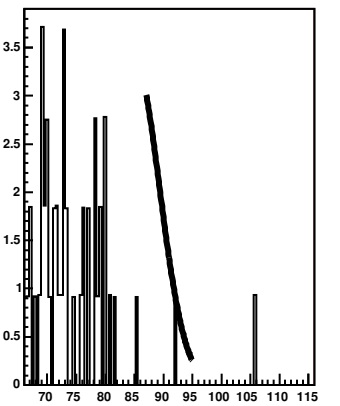
massplotst-individual dilmassCMX_CMX
integral
8.343551e+01
peak integral from gaussian
-1.415981e+01
peak integral error from gaussian
-1.018884e+02
Integral 66-116
8.234589e+02
Integral 66-116 Error
8.201045e+01
mean from gaussian
9.001120e+01
mean error from gaussian
1.089012e+01
sigma from gaussian
-1.025591e+00
sigma error from gaussian
6.351327e+00

massplotst-individual dilmassCMX_CMU



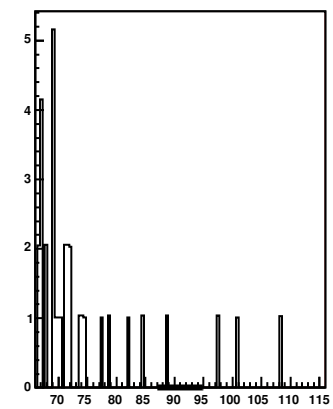
massplotst-individual dilmassCMX_CMU
integral
4.194126e+01
peak integral from gaussian
-3.778422e+02
peak integral error from gaussian
-1.274372e+02
Integral 66-116
3.129744e+02
Integral 66-116 Error
4.462021e+01
mean from gaussian
7.225000e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
-1.430141e+01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassCMX_CMP



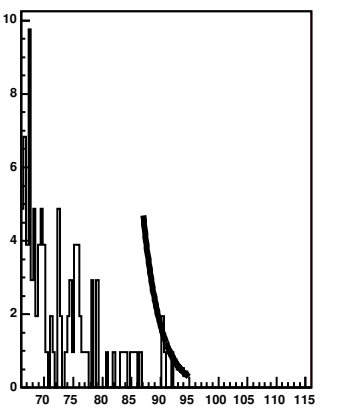
massplotst-individual dilmassCMX_CMP
integral
4.430463e+01
peak integral from gaussian
-8.934287e+01
peak integral error from gaussian
-1.336005e+03
Integral 66-116
3.822229e+02
Integral 66-116 Error
5.043820e+01
mean from gaussian
8.494487e+01
mean error from gaussian
3.943731e+01
sigma from gaussian
-4.402180e+00
sigma error from gaussian
2.096402e+01

massplotst-individual dilmassCMX_CMIO



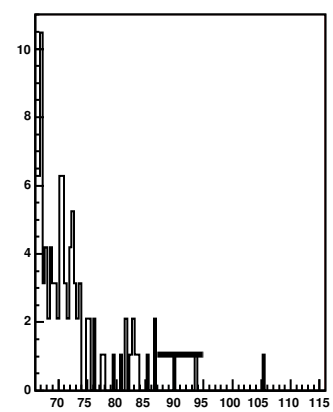
massplotst-individual dilmassCMX_CMIO
integral
3.400680e+01
peak integral from gaussian
3.400680e+01
peak integral error from gaussian
4.491274e+01
Integral 66-116
3.455786e+02
Integral 66-116 Error
4.400217e+01
mean from gaussian
6.891667e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
1.094665e+00
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassPHX_BMU



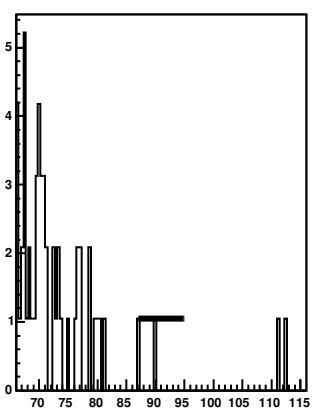
massplotst-individual dilmassPHX_BMU
integral
9.653457e+01
peak integral from gaussian
-6.931248e+08
peak integral error from gaussian
-2.470164e+10
Integral 66-116
8.493099e+02
Integral 66-116 Error
8.381022e+01
mean from gaussian
1.318114e+00
mean error from gaussian
2.551426e+02
sigma from gaussian
-1.606256e+01
sigma error from gaussian
3.951576e+01

massplotst-individual dilmassCMUP_BMU



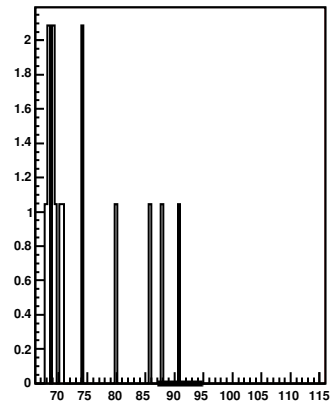
massplotst-individual dilmassCMUP_BMU
integral
1.048764e+02
peak integral from gaussian
-6.872355e+02
peak integral error from gaussian
-1.905801e+07
Integral 66-116
1.168324e+03
Integral 66-116 Error
9.289335e+01
mean from gaussian
9.183219e+01
mean error from gaussian
4.409911e+04
sigma from gaussian
-1.087622e+02
sigma error from gaussian
3.016129e+06

massplotst-individual dilmassCMX_BMU



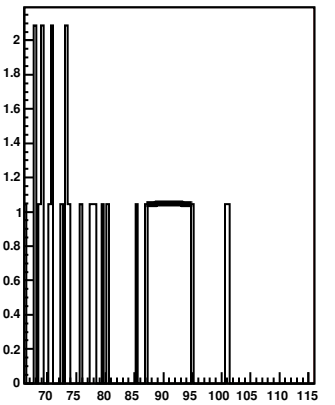
massplotst-individual dilmassCMX_BMU
integral
5.639528e+01
peak integral from gaussian
3.882759e+03
peak integral error from gaussian
1.403548e+10
Integral 66-116
6.840520e+02
Integral 66-116 Error
6.606730e+01
mean from gaussian
5.760823e+01
mean error from gaussian
1.551501e+02
sigma from gaussian
6.163991e+02
sigma error from gaussian
4.646512e+07

massplotst-individual dilmassBMU_BMU



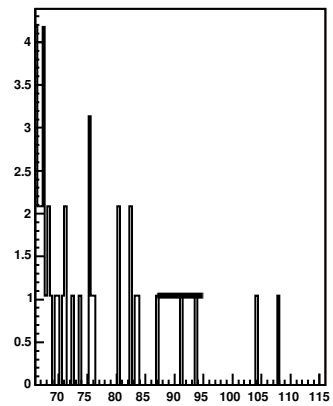
massplotst-individual dilmassBMU_BMU
integral
1.462100e+01
peak integral from gaussian
1.462100e+01
peak integral error from gaussian
2.036257e+01
Integral 66-116
1.524761e+02
Integral 66-116 Error
2.478443e+01
mean from gaussian
6.808333e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
1.162019e+00
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassBMU_CMU



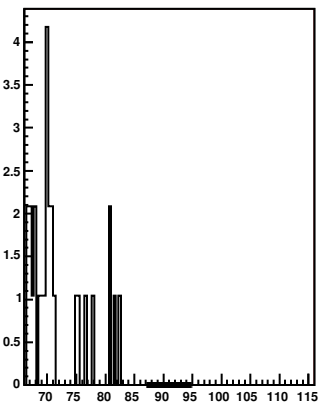
massplotst-individual dilmassBMU_CMU
integral
2.506457e+01
peak integral from gaussian
-2.813652e+02
peak integral error from gaussian
-3.914982e+05
Integral 66-116
1.754520e+02
Integral 66-116 Error
3.514977e+01
mean from gaussian
9.099886e+01
mean error from gaussian
6.092207e+02
sigma from gaussian
-4.454739e+01
sigma error from gaussian
6.198238e+04

massplotst-individual dilmassBMU_CMP



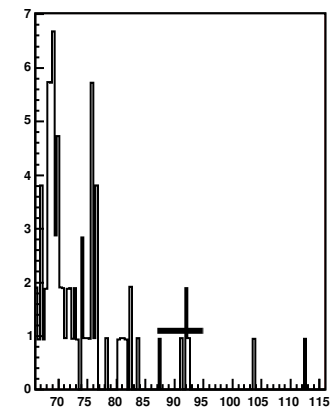
massplotst-individual dilmassBMU_CMP
integral
4.072992e+01
peak integral from gaussian
-1.660754e+03
peak integral error from gaussian
-8.780819e+07
Integral 66-116
2.109601e+02
Integral 66-116 Error
4.489114e+01
mean from gaussian
8.988284e+01
mean error from gaussian
1.526571e+05
sigma from gaussian
-2.639649e+02
sigma error from gaussian
1.395648e+07

massplotst-individual dilmassBMU_CMIO



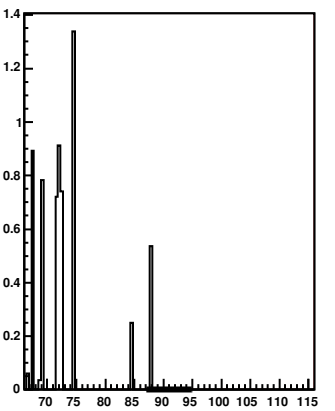
massplotst-individual dilmassBMU_CMIO
integral
2.819764e+01
peak integral from gaussian
2.819764e+01
peak integral error from gaussian
3.684646e+01
Integral 66-116
2.067827e+02
Integral 66-116 Error
3.609504e+01
mean from gaussian
6.975000e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
1.120518e+00
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassTCE_SCMIO



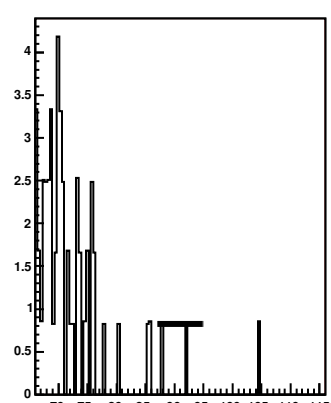
massplotst-individual dilmassTCE_SCMIO
integral
7.804098e+01
peak integral from gaussian
-5.298786e+08
peak integral error from gaussian
-3.369928e+10
Integral 66-116
7.972115e+02
Integral 66-116 Error
7.595600e+01
mean from gaussian
-2.402831e+07
mean error from gaussian
1.525076e+09
sigma from gaussian
-7.649276e+07
sigma error from gaussian
4.856975e+09

massplotst-individual dilmassPHX_SCMIO



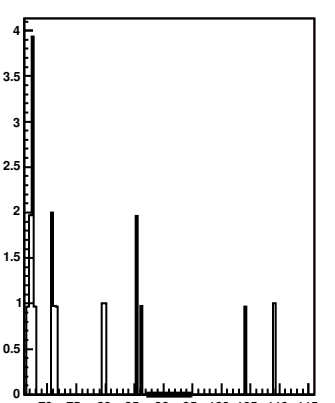
massplotst-individual dilmassPHX_SCMIO
integral
6.274585e+00
peak integral from gaussian
6.265669e+00
peak integral error from gaussian
1.317999e+01
Integral 66-116
1.096830e+02
Integral 66-116 Error
1.445983e+01
mean from gaussian
7.433333e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
7.777159e-01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassCMUP_SCMIO



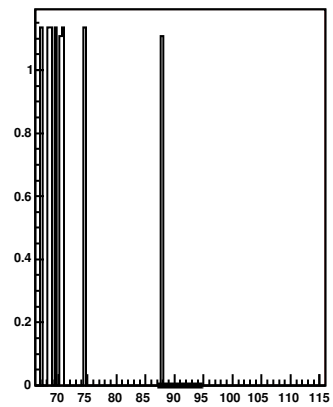
massplotst-individual dilmassCMUP_SCMIO
integral
4.921524e+01
peak integral from gaussian
-1.792250e+03
peak integral error from gaussian
-4.957076e+08
Integral 66-116
4.626183e+02
Integral 66-116 Error
5.120138e+01
mean from gaussian
9.002857e+01
mean error from gaussian
4.668077e+05
sigma from gaussian
-3.593894e+02
sigma error from gaussian
9.940135e+07

massplotst-individual dilmassCMX_SCMIO



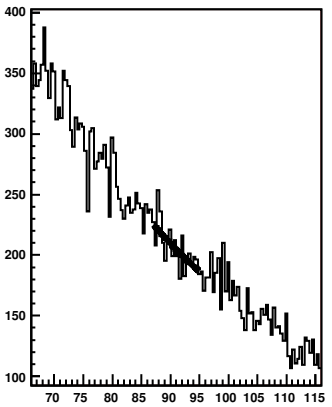
massplotst-individual dilmassCMX_SCMIO
integral
1.867679e+01
peak integral from gaussian
1.867679e+01
peak integral error from gaussian
3.420782e+01
Integral 66-116
1.892713e+02
Integral 66-116 Error
2.794135e+01
mean from gaussian
6.725000e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
7.874213e-01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassBMU_SCMIO



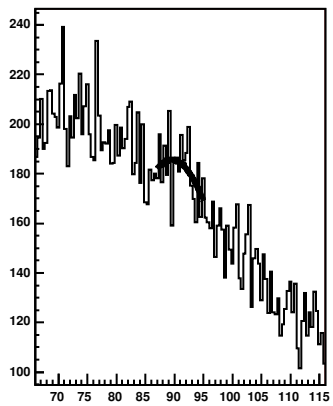
massplotst-individual dilmassBMU_SCMIO
integral
9.035358e+00
peak integral from gaussian
9.035358e+00
peak integral error from gaussian
1.483801e+01
Integral 66-116
1.129689e+02
Integral 66-116 Error
1.987161e+01
mean from gaussian
6.683333e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
1.320016e+00
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassTCE_TCE



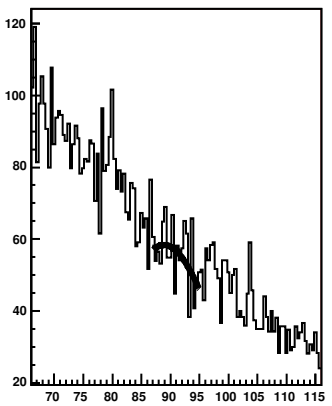
massplotst-individual dilmassTCE_TCE
integral
2.613762e+04
peak integral from gaussian
-4.165955e+07
peak integral error from gaussian
-1.000633e+08
Integral 66-116
7.205984e+04
Integral 66-116 Error
1.936946e+03
mean from gaussian
-3.691634e+02
mean error from gaussian
2.491035e+02
sigma from gaussian
-1.388200e+02
sigma error from gaussian
5.082931e+01

massplotst-individual dilmassTCE_PHX



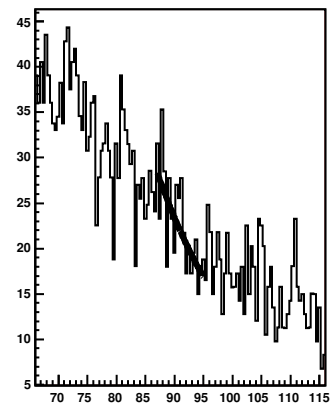
massplotst-individual dilmassTCE_PHX
integral
2.033865e+04
peak integral from gaussian
-1.404341e+04
peak integral error from gaussian
-7.060291e+03
Integral 66-116
3.424609e+04
Integral 66-116 Error
1.612730e+03
mean from gaussian
8.953830e+01
mean error from gaussian
1.801367e+00
sigma from gaussian
-1.255564e+01
sigma error from gaussian
6.306288e+00

massplotst-individual dilmassCMUP_CMUP



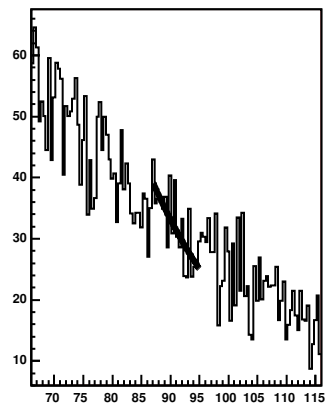
massplotst-individual dilmassCMUP_CMUP
integral
7.262775e+03
peak integral from gaussian
-3.114991e+03
peak integral error from gaussian
-1.342125e+03
Integral 66-116
2.118657e+04
Integral 66-116 Error
9.386500e+02
mean from gaussian
8.888284e+01
mean error from gaussian
1.983015e+00
sigma from gaussian
-8.856541e+00
sigma error from gaussian
3.802119e+00

massplotst-individual dilmassCMUP_CMU



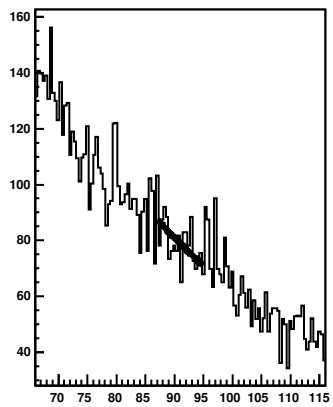
massplotst-individual dilmassCMUP_CMU
integral
2.882590e+03
peak integral from gaussian
-6.233585e+06
peak integral error from gaussian
-2.901983e+07
Integral 66-116
7.306159e+03
Integral 66-116 Error
5.546831e+02
mean from gaussian
-1.152588e+02
mean error from gaussian
1.544898e+02
sigma from gaussian
-5.620864e+01
sigma error from gaussian
2.505870e+01

massplotst-individual dilmassCMUP_CMP



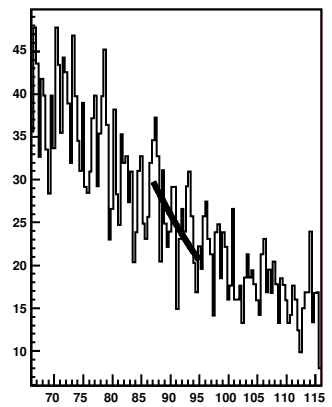
massplotst-individual dilmassCMUP_CMP
integral
3.994824e+03
peak integral from gaussian
-2.851500e+07
peak integral error from gaussian
-1.261701e+08
Integral 66-116
1.030232e+04
Integral 66-116 Error
6.729640e+02
mean from gaussian
-1.834906e+02
mean error from gaussian
1.675606e+02
sigma from gaussian
-7.006202e+01
sigma error from gaussian
2.564808e+01

massplotst-individual dilmassCMUP_CMX



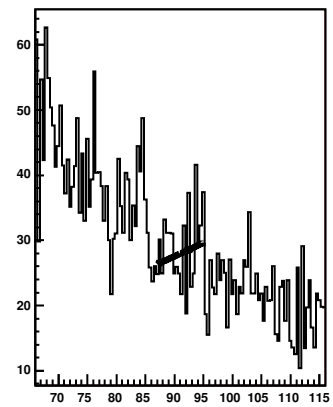
massplotst-individual dilmassCMUP_CMX
integral
9.913341e+03
peak integral from gaussian
-2.399220e+07
peak integral error from gaussian
-8.594977e+06
Integral 66-116
2.595688e+04
Integral 66-116 Error
1.151469e+03
mean from gaussian
-3.637771e+02
mean error from gaussian
1.379140e+01
sigma from gaussian
-1.318605e+02
sigma error from gaussian
3.892933e+00

massplotst-individual dilmassCMUP_CMIO



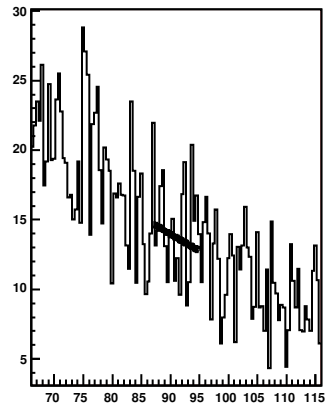
massplotst-individual dilmassCMUP_CMIO
integral
3.141199e+03
peak integral from gaussian
-1.338919e+08
peak integral error from gaussian
-4.136612e+08
Integral 66-116
7.861353e+03
Integral 66-116 Error
6.306388e+02
mean from gaussian
-3.029710e+02
mean error from gaussian
1.209424e+02
sigma from gaussian
-9.191394e+01
sigma error from gaussian
2.684156e+01

massplotst-individual dilmassCMX_CMX



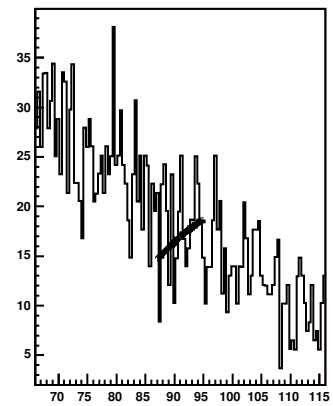
massplotst-individual dilmassCMX_CMX
integral
3.621311e+03
peak integral from gaussian
-1.644433e+07
peak integral error from gaussian
-1.232940e+08
Integral 66-116
8.412635e+03
Integral 66-116 Error
7.262271e+02
mean from gaussian
9.131546e+02
mean error from gaussian
1.625955e+03
sigma from gaussian
-2.369129e+02
sigma error from gaussian
3.764472e+02

massplotst-individual dilmassCMX_CMU



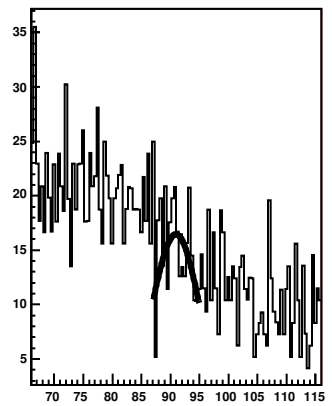
massplotst-individual dilmassCMX_CMU
integral
1.743328e+03
peak integral from gaussian
-1.925746e+07
peak integral error from gaussian
-1.528802e+08
Integral 66-116
3.988057e+03
Integral 66-116 Error
4.630593e+02
mean from gaussian
-7.018858e+02
mean error from gaussian
1.565751e+03
sigma from gaussian
-2.118614e+02
sigma error from gaussian
3.451819e+02

massplotst-individual dilmassCMX_CMP



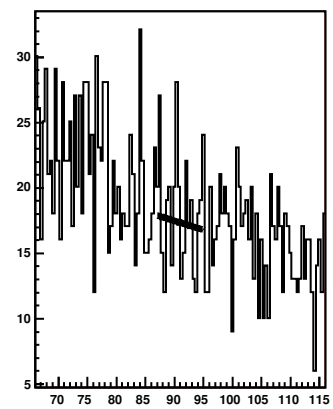
massplotst-individual dilmassCMX_CMP
integral
2.265566e+03
peak integral from gaussian
-2.220063e+03
peak integral error from gaussian
-2.997273e+03
Integral 66-116
5.309551e+03
Integral 66-116 Error
5.417319e+02
mean from gaussian
1.014613e+02
mean error from gaussian
2.564146e+01
sigma from gaussian
-1.854503e+01
sigma error from gaussian
2.400613e+01

massplotst-individual dilmassCMX_CMIO



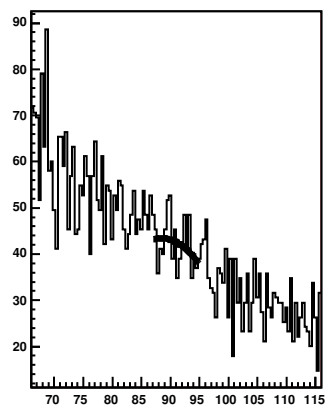
massplotst-individual dilmassCMX_CMIO
integral
1.889249e+03
peak integral from gaussian
-4.048464e+02
peak integral error from gaussian
-9.178003e+01
Integral 66-116
4.154867e+03
Integral 66-116 Error
5.211188e+02
mean from gaussian
9.093423e+01
mean error from gaussian
4.526208e-01
sigma from gaussian
-4.081190e+00
sigma error from gaussian
8.530882e-01

massplotst-individual dilmassPHX_BMU



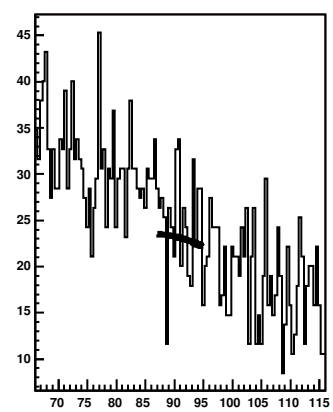
massplotst-individual dilmassPHX_BMU
integral
2.235089e+03
peak integral from gaussian
-2.678328e+06
peak integral error from gaussian
-2.882522e+07
Integral 66-116
5.020237e+03
Integral 66-116 Error
5.625400e+02
mean from gaussian
-9.711200e+02
mean error from gaussian
4.808549e+03
sigma from gaussian
-3.641269e+02
sigma error from gaussian
1.356335e+03

massplotst-individual dilmassCMUP_BMU



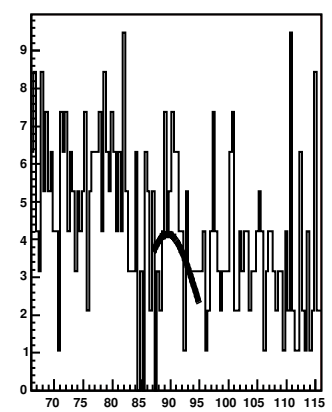
massplotst-individual dilmassCMUP_BMU
integral
5.104761e+03
peak integral from gaussian
-3.263978e+03
peak integral error from gaussian
-3.597176e+03
Integral 66-116
1.156262e+04
Integral 66-116 Error
8.699638e+02
mean from gaussian
8.848447e+01
mean error from gaussian
5.964767e+00
sigma from gaussian
-1.247356e+01
sigma error from gaussian
1.373231e+01

massplotst-individual dilmassCMX_BMU



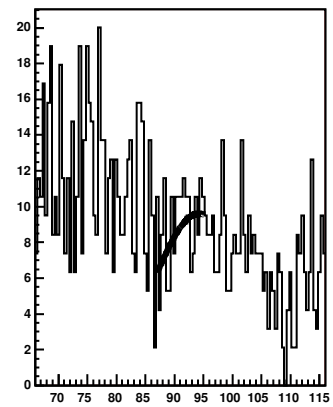
massplotst-individual dilmassCMX_BMU
integral
2.979974e+03
peak integral from gaussian
-3.472324e+03
peak integral error from gaussian
-2.101365e+04
Integral 66-116
6.508188e+03
Integral 66-116 Error
6.638482e+02
mean from gaussian
8.642289e+01
mean error from gaussian
5.785068e+01
sigma from gaussian
-2.451351e+01
sigma error from gaussian
1.482763e+02

massplotst-individual dilmassBMU_BMU



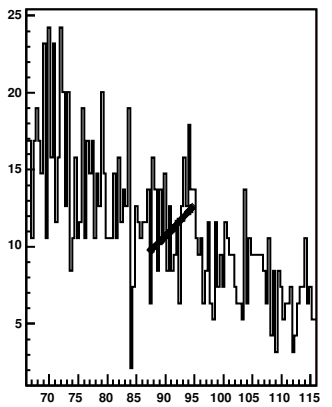
massplotst-individual dilmassBMU_BMU
integral
5.145884e+02
peak integral from gaussian
-1.254181e+02
peak integral error from gaussian
-1.089600e+02
Integral 66-116
1.345526e+03
Integral 66-116 Error
2.725917e+02
mean from gaussian
8.952057e+01
mean error from gaussian
2.524446e+00
sigma from gaussian
-5.022985e+00
sigma error from gaussian
4.263337e+00

massplotst-individual dilmassBMU_CMU



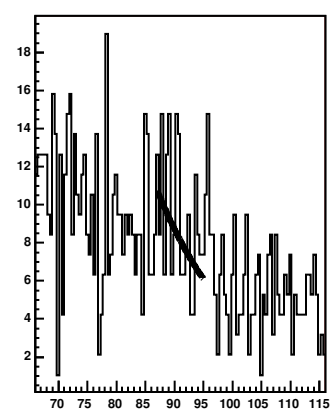
massplotst-individual dilmassBMU_CMU
integral
1.097718e+03
peak integral from gaussian
4.504495e+02
peak integral error from gaussian
4.774838e+02
Integral 66-116
2.155372e+03
Integral 66-116 Error
3.934433e+02
mean from gaussian
9.417028e+01
mean error from gaussian
6.772296e+00
sigma from gaussian
7.790641e+00
sigma error from gaussian
8.183834e+00

massplotst-individual dilmassBMU_CMP



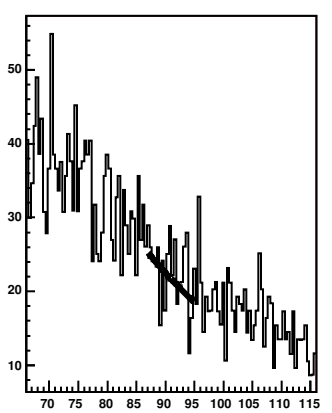
massplotst-individual dilmassBMU_CMP
integral
1.352903e+03
peak integral from gaussian
-4.660361e+07
peak integral error from gaussian
-2.783828e+08
Integral 66-116
2.609847e+03
Integral 66-116 Error
4.391044e+02
mean from gaussian
5.887998e+02
mean error from gaussian
5.989448e+02
sigma from gaussian
-1.195244e+02
sigma error from gaussian
1.209538e+02

massplotst-individual dilmassBMU_CMIO



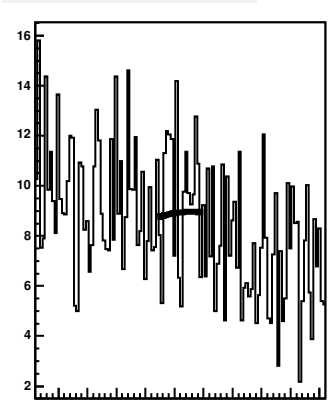
massplotst-individual dilmassBMU_CMIO
integral
9.511449e+02
peak integral from gaussian
-7.116775e+07
peak integral error from gaussian
-4.755000e+08
Integral 66-116
1.848516e+03
Integral 66-116 Error
3.654222e+02
mean from gaussian
-1.906253e+02
mean error from gaussian
2.485838e+02
sigma from gaussian
-6.281746e+01
sigma error from gaussian
4.023795e+01

massplotst-individual dilmassTCE_SCMIO



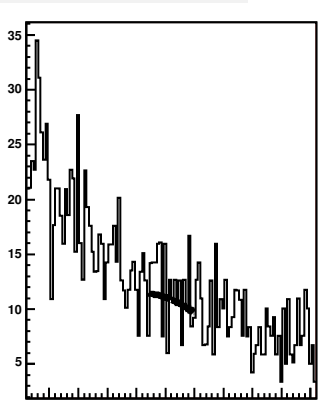
massplotst-individual dilmassTCE_SCMIO
integral
2.972003e+03
peak integral from gaussian
-2.094915e+05
peak integral error from gaussian
-1.405492e+05
Integral 66-116
7.966217e+03
Integral 66-116 Error
6.406245e+02
mean from gaussian
-7.404253e+01
mean error from gaussian
1.804418e+01
sigma from gaussian
-6.520209e+01
sigma error from gaussian
6.517509e+00

massplotst-individual dilmassPHX_SCMIO



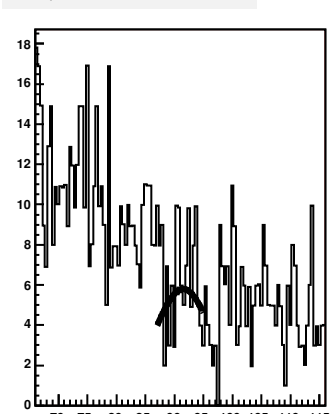
massplotst-individual dilmassPHX_SCMIO
integral
1.032583e+03
peak integral from gaussian
-1.408717e+03
peak integral error from gaussian
-1.716982e+04
Integral 66-116
1.869442e+03
Integral 66-116 Error
3.522640e+02
mean from gaussian
9.286570e+01
mean error from gaussian
5.255087e+01
sigma from gaussian
-2.608954e+01
sigma error from gaussian
3.179763e+02

massplotst-individual dilmassCMUP_SCMIO



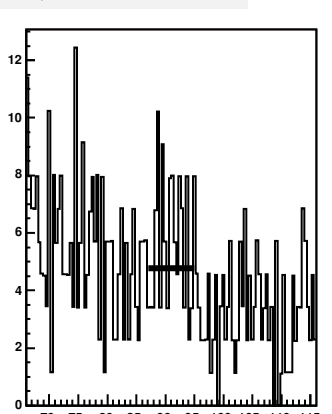
massplotst-individual dilmassCMUP_SCMIO
integral
1.552514e+03
peak integral from gaussian
-1.077519e+03
peak integral error from gaussian
-3.001414e+03
Integral 66-116
4.281244e+03
Integral 66-116 Error
4.317440e+02
mean from gaussian
8.589498e+01
mean error from gaussian
2.823282e+01
sigma from gaussian
-1.560558e+01
sigma error from gaussian
4.328171e+01

massplotst-individual dilmassCMX_SCMIO



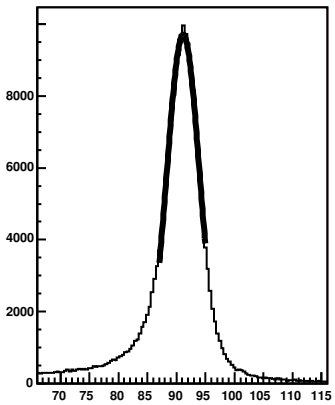
massplotst-individual dilmassCMX_SCMIO
integral
9.024361e+02
peak integral from gaussian
-1.800588e+02
peak integral error from gaussian
-1.227696e+02
Integral 66-116
2.176604e+03
Integral 66-116 Error
3.504105e+02
mean from gaussian
9.149324e+01
mean error from gaussian
1.137626e+00
sigma from gaussian
-5.159139e+00
sigma error from gaussian
3.408018e+00

massplotst-individual dilmassBMU_SCMIO



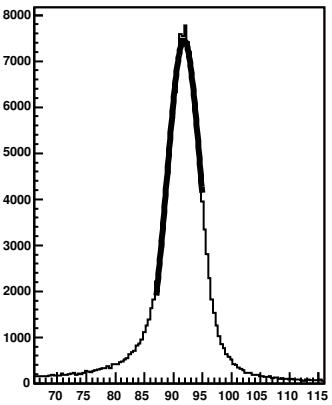
massplotst-individual dilmassBMU_SCMIO
integral
5.531771e+02
peak integral from gaussian
-7.409833e+07
peak integral error from gaussian
-4.477031e+09
Integral 66-116
1.164715e+03
Integral 66-116 Error
2.874095e+02
mean from gaussian
-2.503093e+05
mean error from gaussian
2.901251e+08
sigma from gaussian
-2.568350e+06
sigma error from gaussian
1.526886e+08

massplotst-individual dilmassTCE_TCE



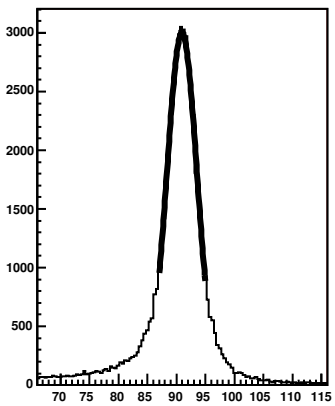
massplotst-individual dilmassTCE_TCE
integral
2.025700e+05
peak integral from gaussian
1.649328e+05
peak integral error from gaussian
9.831994e+02
Integral 66-116
2.239994e+05
Integral 66-116 Error
3.932513e+03
mean from gaussian
9.114925e+01
mean error from gaussian
1.014602e-02
sigma from gaussian
2.820068e+00
sigma error from gaussian
1.326647e-02

massplotst-individual dilmassTCE_PHX



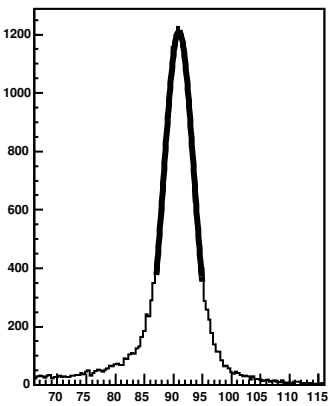
massplotst-individual dilmassTCE_PHX
integral
1.539673e+05
peak integral from gaussian
1.301612e+05
peak integral error from gaussian
8.904429e+02
Integral 66-116
1.608609e+05
Integral 66-116 Error
3.248818e+03
mean from gaussian
9.181983e+01
mean error from gaussian
1.317463e-02
sigma from gaussian
2.900190e+00
sigma error from gaussian
1.612846e-02

massplotst-individual dilmassCMUP_CMUP



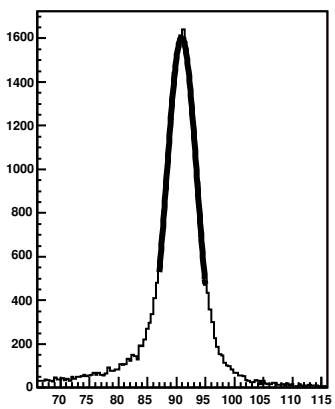
massplotst-individual dilmassCMUP_CMUP
integral
5.655663e+04
peak integral from gaussian
4.659422e+04
peak integral error from gaussian
4.320211e+02
Integral 66-116
6.206035e+04
Integral 66-116 Error
1.858557e+03
mean from gaussian
9.093854e+01
mean error from gaussian
1.478735e-02
sigma from gaussian
2.578292e+00
sigma error from gaussian
1.788433e-02

massplotst-individual dilmassCMUP_CMU



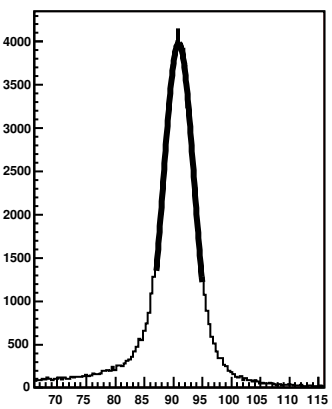
massplotst-individual dilmassCMUP_CMU
integral
2.275452e+04
peak integral from gaussian
1.865865e+04
peak integral error from gaussian
2.590705e+02
Integral 66-116
2.452548e+04
Integral 66-116 Error
1.117798e+03
mean from gaussian
9.094854e+01
mean error from gaussian
2.191490e-02
sigma from gaussian
2.560853e+00
sigma error from gaussian
2.653000e-02

massplotst-individual dilmassCMUP_CMP



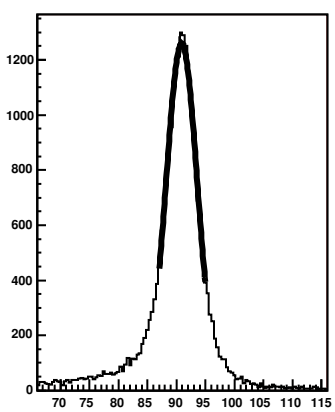
massplotst-individual dilmassCMUP_CMP
integral
3.062057e+04
peak integral from gaussian
2.508456e+04
peak integral error from gaussian
3.102743e+02
Integral 66-116
3.298558e+04
Integral 66-116 Error
1.334745e+03
mean from gaussian
9.090691e+01
mean error from gaussian
1.999912e-02
sigma from gaussian
2.596917e+00
sigma error from gaussian
2.410034e-02

massplotst-individual dilmassCMUP_CMX



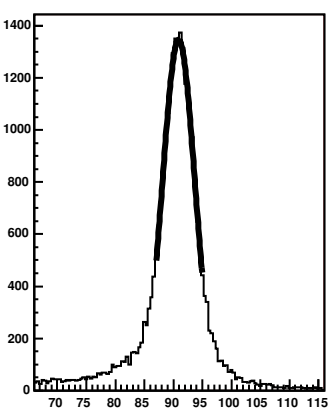
massplotst-individual dilmassCMUP_CMX
integral
7.708808e+04
peak integral from gaussian
6.315362e+04
peak integral error from gaussian
5.442829e+02
Integral 66-116
8.387095e+04
Integral 66-116 Error
2.305008e+03
mean from gaussian
9.091551e+01
mean error from gaussian
1.399752e-02
sigma from gaussian
2.635068e+00
sigma error from gaussian
1.721575e-02

massplotst-individual dilmassCMUP_CMIO



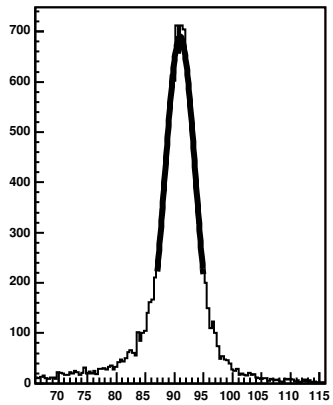
massplotst-individual dilmassCMUP_CMIO
integral
2.452191e+04
peak integral from gaussian
2.022797e+04
peak integral error from gaussian
3.053161e+02
Integral 66-116
2.650191e+04
Integral 66-116 Error
1.262489e+03
mean from gaussian
9.089292e+01
mean error from gaussian
2.472472e-02
sigma from gaussian
2.666382e+00
sigma error from gaussian
3.075323e-02

massplotst-individual dilmassCMX_CMX



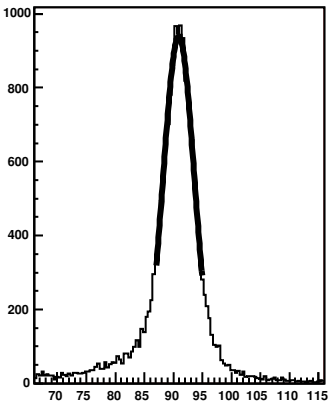
massplotst-individual dilmassCMX_CMX
integral
2.690185e+04
peak integral from gaussian
2.223725e+04
peak integral error from gaussian
3.556204e+02
Integral 66-116
2.894307e+04
Integral 66-116 Error
1.445843e+03
mean from gaussian
9.090735e+01
mean error from gaussian
2.691204e-02
sigma from gaussian
2.743518e+00
sigma error from gaussian
3.402949e-02

massplotst-individual dilmassCMX_CMU



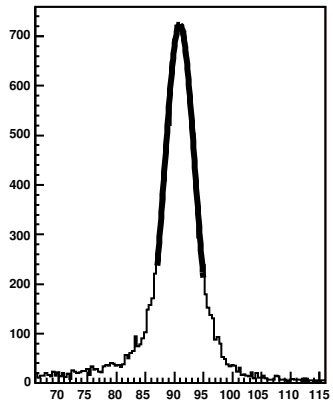
massplotst-individual dilmassCMX_CMU
integral
1.325464e+04
peak integral from gaussian
1.087367e+04
peak integral error from gaussian
2.183527e+02
Integral 66-116
1.414457e+04
Integral 66-116 Error
9.173539e+02
mean from gaussian
9.097975e+01
mean error from gaussian
3.236228e-02
sigma from gaussian
2.618703e+00
sigma error from gaussian
3.973987e-02

massplotst-individual dilmassCMX_CMP



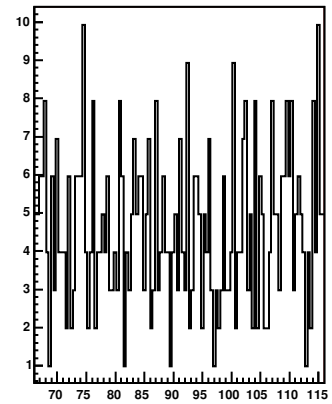
massplotst-individual dilmassCMX_CMP
integral
1.810070e+04
peak integral from gaussian
1.493679e+04
peak integral error from gaussian
2.643278e+02
Integral 66-116
1.935716e+04
Integral 66-116 Error
1.109392e+03
mean from gaussian
9.091780e+01
mean error from gaussian
2.894464e-02
sigma from gaussian
2.641344e+00
sigma error from gaussian
3.544991e-02

massplotst-individual dilmassCMX_CMIO



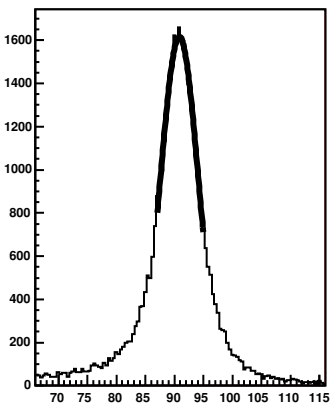
massplotst-individual dilmassCMX_CMIO
integral
1.381324e+04
peak integral from gaussian
1.128564e+04
peak integral error from gaussian
2.389916e+02
Integral 66-116
1.480213e+04
Integral 66-116 Error
1.026633e+03
mean from gaussian
9.090989e+01
mean error from gaussian
3.397995e-02
sigma from gaussian
2.591883e+00
sigma error from gaussian
4.119970e-02

massplotst-individual dilmassPHX_BMU



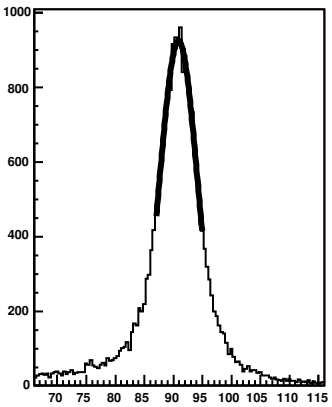
massplotst-individual dilmassPHX_BMU
integral
5.498443e+02
peak integral from gaussian
-4.565505e+01
peak integral error from gaussian
-8.480307e+01
Integral 66-116
1.182063e+03
Integral 66-116 Error
2.719724e+02
mean from gaussian
7.433333e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
-7.636140e-01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassCMUP_BMU



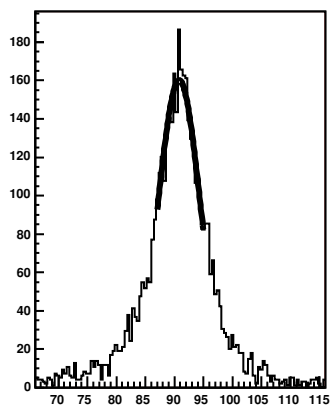
massplotst-individual dilmassCMUP_BMU
integral
3.892207e+04
peak integral from gaussian
3.126831e+04
peak integral error from gaussian
5.386629e+02
Integral 66-116
4.179839e+04
Integral 66-116 Error
1.831627e+03
mean from gaussian
9.084152e+01
mean error from gaussian
3.142653e-02
sigma from gaussian
3.214990e+00
sigma error from gaussian
4.690562e-02

massplotst-individual dilmassCMX_BMU



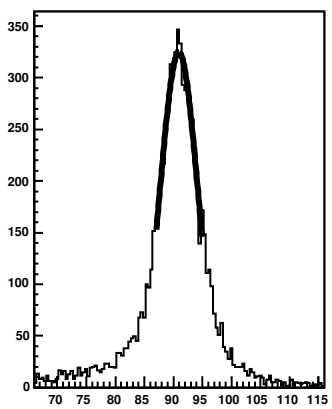
massplotst-individual dilmassCMX_BMU
integral
2.230493e+04
peak integral from gaussian
1.795207e+04
peak integral error from gaussian
4.044432e+02
Integral 66-116
2.395111e+04
Integral 66-116 Error
1.389641e+03
mean from gaussian
9.088099e+01
mean error from gaussian
4.163846e-02
sigma from gaussian
3.223793e+00
sigma error from gaussian
6.144695e-02

massplotst-individual dilmassBMU_BMU



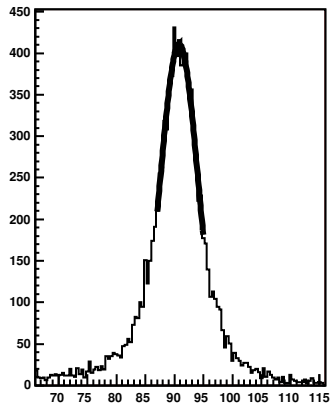
massplotst-individual dilmassBMU_BMU
integral
4.428057e+03
peak integral from gaussian
3.474778e+03
peak integral error from gaussian
2.197523e+02
Integral 66-116
4.758133e+03
Integral 66-116 Error
6.270959e+02
mean from gaussian
9.080537e+01
mean error from gaussian
1.209143e-01
sigma from gaussian
3.604897e+00
sigma error from gaussian
2.027916e-01

massplotst-individual dilmassBMU_CMU



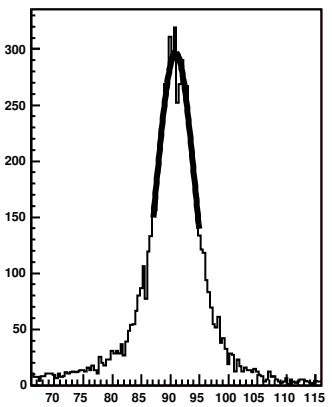
massplotst-individual dilmassBMU_CMU
integral
7.717206e+03
peak integral from gaussian
6.214270e+03
peak integral error from gaussian
2.342343e+02
Integral 66-116
8.121101e+03
Integral 66-116 Error
8.014435e+02
mean from gaussian
9.094307e+01
mean error from gaussian
6.842599e-02
sigma from gaussian
3.178579e+00
sigma error from gaussian
1.007651e-01

massplotst-individual dilmassBMU_CMP



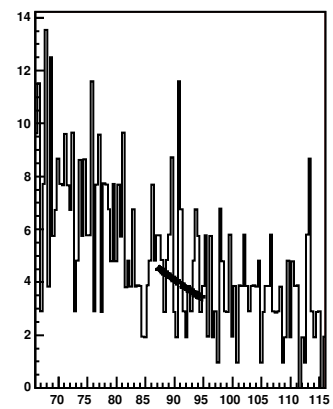
massplotst-individual dilmassBMU_CMP
integral
1.006465e+04
peak integral from gaussian
8.035826e+03
peak integral error from gaussian
2.737547e+02
Integral 66-116
1.063622e+04
Integral 66-116 Error
9.249460e+02
mean from gaussian
9.080614e+01
mean error from gaussian
6.365015e-02
sigma from gaussian
3.248854e+00
sigma error from gaussian
9.400097e-02

massplotst-individual dilmassBMU_CMIO



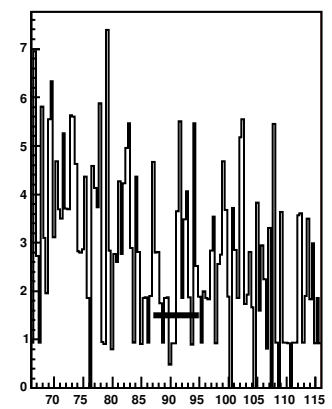
massplotst-individual dilmassBMU_CMIO
integral
7.261637e+03
peak integral from gaussian
5.906092e+03
peak integral error from gaussian
2.355391e+02
Integral 66-116
7.689787e+03
Integral 66-116 Error
7.840101e+02
mean from gaussian
9.089954e+01
mean error from gaussian
7.553333e-02
sigma from gaussian
3.306514e+00
sigma error from gaussian
1.123089e-01

massplotst-individual dilmassTCE_SCMIO



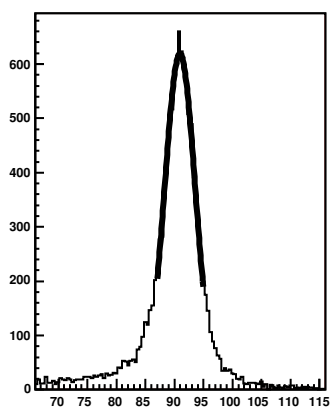
massplotst-individual dilmassTCE_SCMIO
integral
5.927434e+02
peak integral from gaussian
-5.105854e+07
peak integral error from gaussian
-4.417919e+08
Integral 66-116
1.811335e+03
Integral 66-116 Error
2.832638e+02
mean from gaussian
-4.190897e+02
mean error from gaussian
8.829949e+02
sigma from gaussian
-1.149951e+02
sigma error from gaussian
1.729605e+02

massplotst-individual dilmassPHX_SCMIO



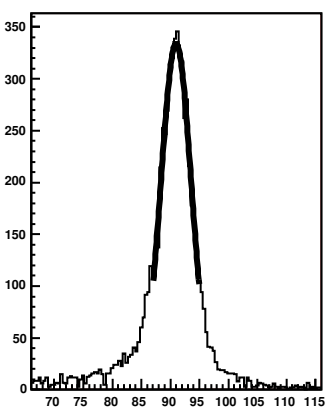
massplotst-individual dilmassPHX_SCMIO
integral
3.277684e+02
peak integral from gaussian
6.406604e+08
peak integral error from gaussian
6.844744e+09
Integral 66-116
5.870758e+02
Integral 66-116 Error
1.891505e+02
mean from gaussian
-2.944973e+07
mean error from gaussian
3.131890e+08
sigma from gaussian
6.380959e+07
sigma error from gaussian
6.785658e+08

massplotst-individual dilmassCMUP_SCMIO



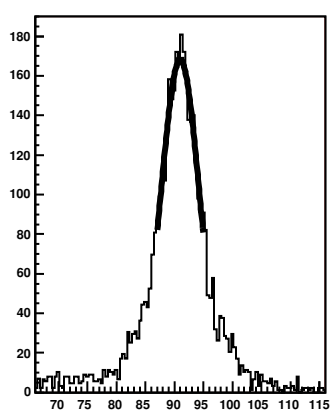
massplotst-individual dilmassCMUP_SCMIO
integral
1.196455e+04
peak integral from gaussian
9.764573e+03
peak integral error from gaussian
2.017416e+02
Integral 66-116
1.303082e+04
Integral 66-116 Error
8.589408e+02
mean from gaussian
9.093701e+01
mean error from gaussian
3.342320e-02
sigma from gaussian
2.619591e+00
sigma error from gaussian
4.086165e-02

massplotst-individual dilmassCMX_SCMIO



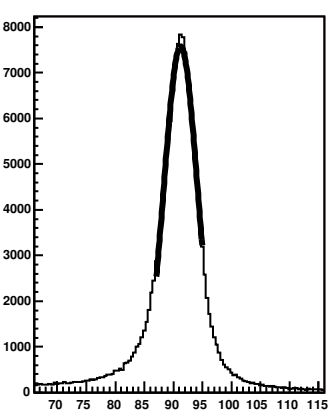
massplotst-individual dilmassCMX_SCMIO
integral
6.459101e+03
peak integral from gaussian
5.198547e+03
peak integral error from gaussian
1.568156e+02
Integral 66-116
7.007366e+03
Integral 66-116 Error
6.850385e+02
mean from gaussian
9.097479e+01
mean error from gaussian
4.858963e-02
sigma from gaussian
2.585760e+00
sigma error from gaussian
5.830328e-02

massplotst-individual dilmassBMU_SCMIO



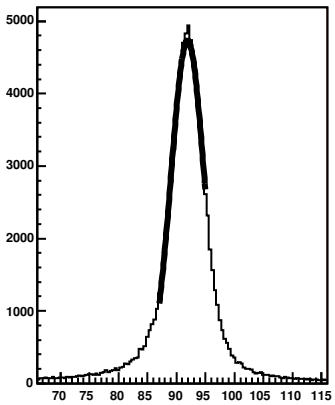
massplotst-individual dilmassBMU_SCMIO
integral
4.139476e+03
peak integral from gaussian
3.328195e+03
peak integral error from gaussian
1.910604e+02
Integral 66-116
4.417086e+03
Integral 66-116 Error
6.123613e+02
mean from gaussian
9.097622e+01
mean error from gaussian
1.040506e-01
sigma from gaussian
3.286810e+00
sigma error from gaussian
1.615956e-01

massplotst-individual dilmassTCE_TCE



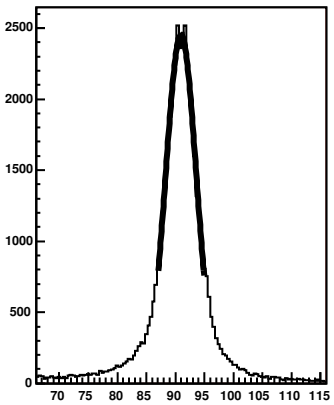
massplotst-individual dilmassTCE_TCE
integral
1.568371e+05
peak integral from gaussian
1.297222e+05
peak integral error from gaussian
8.885455e+02
Integral 66-116
1.769655e+05
Integral 66-116 Error
3.470656e+03
mean from gaussian
9.124801e+01
mean error from gaussian
1.168201e-02
sigma from gaussian
2.841640e+00
sigma error from gaussian
1.546749e-02

massplotst-individual dilmassTCE_PHX



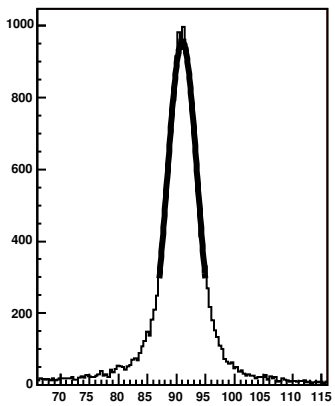
massplotst-individual dilmassTCE_PHX
integral
9.604693e+04
peak integral from gaussian
8.140350e+04
peak integral error from gaussian
6.931216e+02
Integral 66-116
1.001852e+05
Integral 66-116 Error
2.554632e+03
mean from gaussian
9.191063e+01
mean error from gaussian
1.672566e-02
sigma from gaussian
2.854660e+00
sigma error from gaussian
1.964403e-02

massplotst-individual dilmassCMUP_CMUP



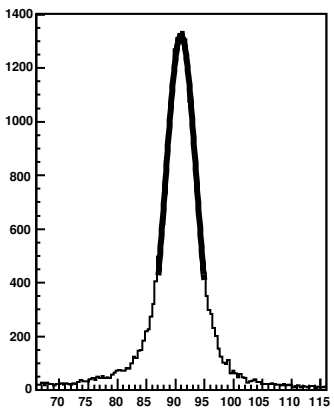
massplotst-individual dilmassCMUP_CMUP
integral
4.662953e+04
peak integral from gaussian
3.856066e+04
peak integral error from gaussian
3.984078e+02
Integral 66-116
5.253390e+04
Integral 66-116 Error
1.699641e+03
mean from gaussian
9.096218e+01
mean error from gaussian
1.662332e-02
sigma from gaussian
2.610727e+00
sigma error from gaussian
2.033384e-02

massplotst-individual dilmassCMUP_CMU



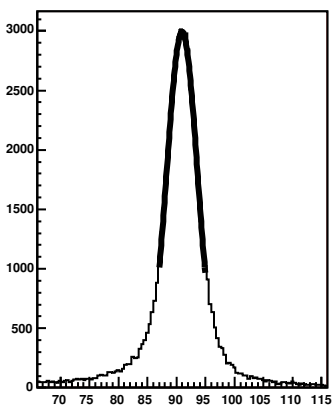
massplotst-individual dilmassCMUP_CMU
integral
1.799692e+04
peak integral from gaussian
1.492497e+04
peak integral error from gaussian
2.352122e+02
Integral 66-116
1.971795e+04
Integral 66-116 Error
9.976206e+02
mean from gaussian
9.100115e+01
mean error from gaussian
2.502203e-02
sigma from gaussian
2.590872e+00
sigma error from gaussian
3.070365e-02

massplotst-individual dilmassCMUP_CMP



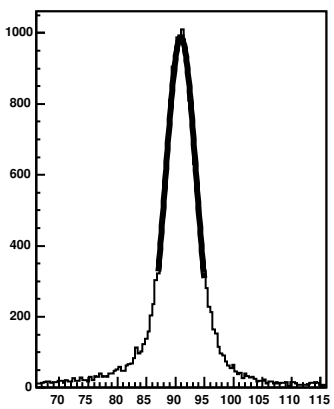
massplotst-individual dilmassCMUP_CMP
integral
2.529405e+04
peak integral from gaussian
2.080021e+04
peak integral error from gaussian
2.876781e+02
Integral 66-116
2.781773e+04
Integral 66-116 Error
1.220625e+03
mean from gaussian
9.096615e+01
mean error from gaussian
2.219552e-02
sigma from gaussian
2.615707e+00
sigma error from gaussian
2.733930e-02

massplotst-individual dilmassCMUP_CMX



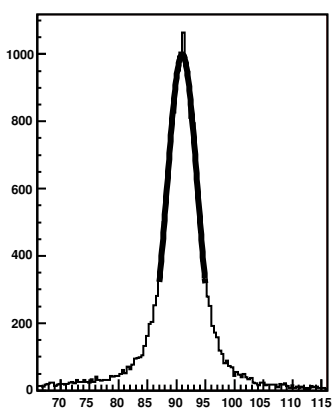
massplotst-individual dilmassCMUP_CMX
integral
5.787435e+04
peak integral from gaussian
4.793124e+04
peak integral error from gaussian
4.790807e+02
Integral 66-116
6.400665e+04
Integral 66-116 Error
2.000352e+03
mean from gaussian
9.096076e+01
mean error from gaussian
1.632884e-02
sigma from gaussian
2.660358e+00
sigma error from gaussian
2.026666e-02

massplotst-individual dilmassCMUP_CMIO



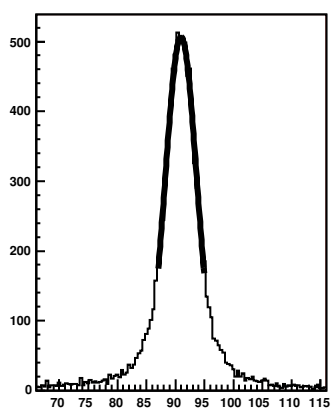
massplotst-individual dilmassCMUP_CMIO
integral
1.891779e+04
peak integral from gaussian
1.565165e+04
peak integral error from gaussian
2.622137e+02
Integral 66-116
2.066541e+04
Integral 66-116 Error
1.111623e+03
mean from gaussian
9.094813e+01
mean error from gaussian
2.732339e-02
sigma from gaussian
2.631766e+00
sigma error from gaussian
3.332189e-02

massplotst-individual dilmassCMX_CMX



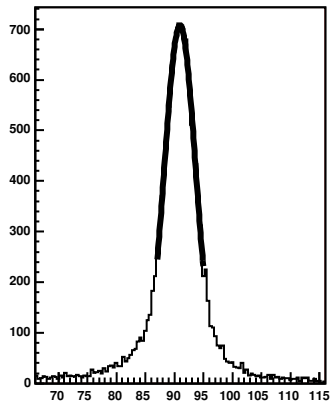
massplotst-individual dilmassCMX_CMX
integral
1.925382e+04
peak integral from gaussian
1.579859e+04
peak integral error from gaussian
2.848185e+02
Integral 66-116
2.135976e+04
Integral 66-116 Error
1.221836e+03
mean from gaussian
9.098906e+01
mean error from gaussian
2.931589e-02
sigma from gaussian
2.625985e+00
sigma error from gaussian
3.574689e-02

massplotst-individual dilmassCMX_CMU



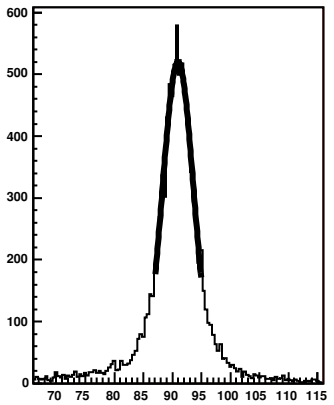
massplotst-individual dilmassCMX_CMU
integral
9.791205e+03
peak integral from gaussian
8.214708e+03
peak integral error from gaussian
1.964501e+02
Integral 66-116
1.063791e+04
Integral 66-116 Error
7.921453e+02
mean from gaussian
9.096384e+01
mean error from gaussian
3.914651e-02
sigma from gaussian
2.690686e+00
sigma error from gaussian
4.945434e-02

massplotst-individual dilmassCMX_CMP



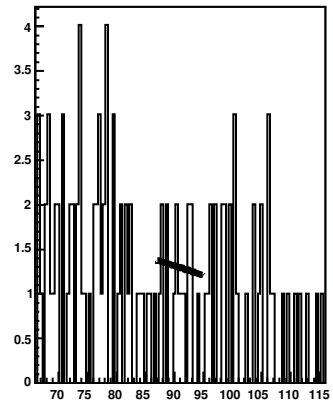
massplotst-individual dilmassCMX_CMP
integral
1.370893e+04
peak integral from gaussian
1.144397e+04
peak integral error from gaussian
2.342580e+02
Integral 66-116
1.476426e+04
Integral 66-116 Error
9.673803e+02
mean from gaussian
9.094693e+01
mean error from gaussian
3.403956e-02
sigma from gaussian
2.685737e+00
sigma error from gaussian
4.202782e-02

massplotst-individual dilmassCMX_CMIO



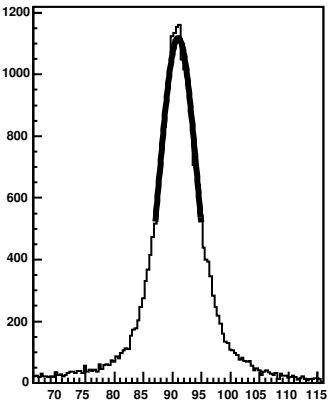
massplotst-individual dilmassCMX_CMIO
integral
1.015276e+04
peak integral from gaussian
8.385325e+03
peak integral error from gaussian
2.163986e+02
Integral 66-116
1.107047e+04
Integral 66-116 Error
8.819089e+02
mean from gaussian
9.096761e+01
mean error from gaussian
4.176347e-02
sigma from gaussian
2.676994e+00
sigma error from gaussian
5.305766e-02

massplotst-individual dilmassPHX_BMU



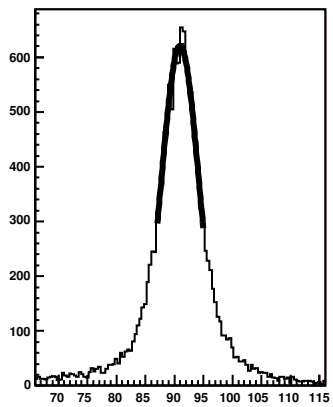
massplotst-individual dilmassPHX_BMU
integral
1.135028e+02
peak integral from gaussian
3.658197e+02
peak integral error from gaussian
3.041288e+03
Integral 66-116
3.224287e+02
Integral 66-116 Error
1.009348e+02
mean from gaussian
6.673792e+01
mean error from gaussian
3.678092e+02
sigma from gaussian
3.838986e+01
sigma error from gaussian
2.812885e+02

massplotst-individual dilmassCMUP_BMU



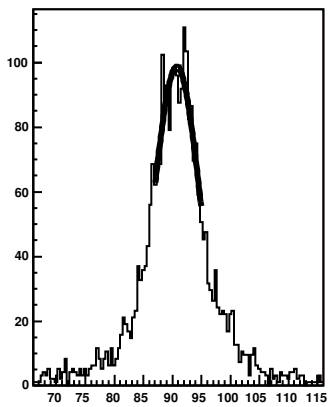
massplotst-individual dilmassCMUP_BMU
integral
2.655802e+04
peak integral from gaussian
2.160336e+04
peak integral error from gaussian
4.450293e+02
Integral 66-116
2.878374e+04
Integral 66-116 Error
1.502410e+03
mean from gaussian
9.099272e+01
mean error from gaussian
3.738266e-02
sigma from gaussian
3.207447e+00
sigma error from gaussian
5.585197e-02

massplotst-individual dilmassCMX_BMU



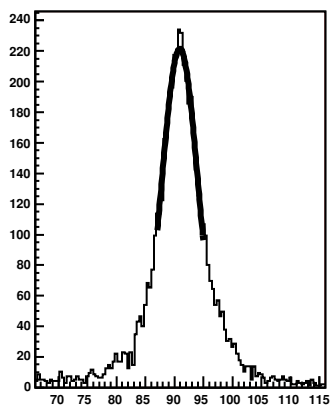
massplotst-individual dilmassCMX_BMU
integral
1.485782e+04
peak integral from gaussian
1.206918e+04
peak integral error from gaussian
3.333708e+02
Integral 66-116
1.660081e+04
Integral 66-116 Error
1.131601e+03
mean from gaussian
9.096593e+01
mean error from gaussian
5.065952e-02
sigma from gaussian
3.226434e+00
sigma error from gaussian
7.545588e-02

massplotst-individual dilmassBMU_BMU



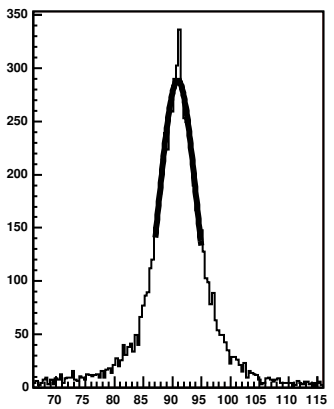
massplotst-individual dilmassBMU_BMU
integral
2.833977e+03
peak integral from gaussian
2.328937e+03
peak integral error from gaussian
1.997076e+02
Integral 66-116
3.315098e+03
Integral 66-116 Error
5.094631e+02
mean from gaussian
9.076095e+01
mean error from gaussian
1.785654e-01
sigma from gaussian
3.919215e+00
sigma error from gaussian
3.059034e-01

massplotst-individual dilmassBMU_CMU



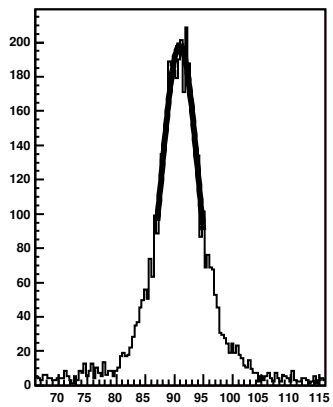
massplotst-individual dilmassBMU_CMU
integral
5.248034e+03
peak integral from gaussian
4.175728e+03
peak integral error from gaussian
1.894123e+02
Integral 66-116
5.646859e+03
Integral 66-116 Error
6.641470e+02
mean from gaussian
9.092024e+01
mean error from gaussian
8.086208e-02
sigma from gaussian
3.128335e+00
sigma error from gaussian
1.186466e-01

massplotst-individual dilmassBMU_CMP



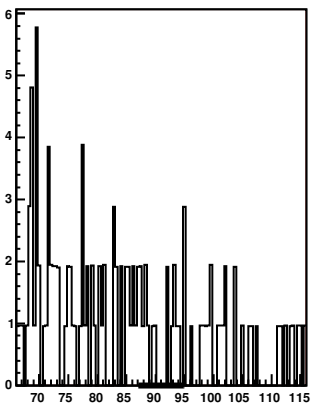
massplotst-individual dilmassBMU_CMP
integral
6.901368e+03
peak integral from gaussian
5.642859e+03
peak integral error from gaussian
2.344509e+02
Integral 66-116
7.266429e+03
Integral 66-116 Error
7.551791e+02
mean from gaussian
9.092626e+01
mean error from gaussian
7.518355e-02
sigma from gaussian
3.249367e+00
sigma error from gaussian
1.149955e-01

massplotst-individual dilmassBMU_CMIO



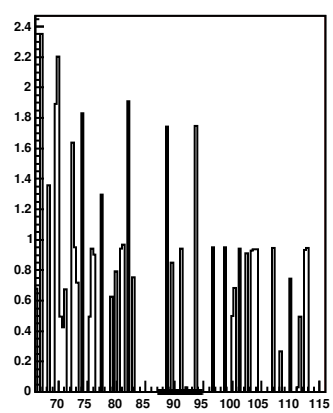
massplotst-individual dilmassBMU_CMIO
integral
4.742643e+03
peak integral from gaussian
3.852733e+03
peak integral error from gaussian
1.838103e+02
Integral 66-116
5.142523e+03
Integral 66-116 Error
6.297535e+02
mean from gaussian
9.092272e+01
mean error from gaussian
8.975584e-02
sigma from gaussian
3.227862e+00
sigma error from gaussian
1.298557e-01

massplotst-individual dilmassTCE_SCMIO



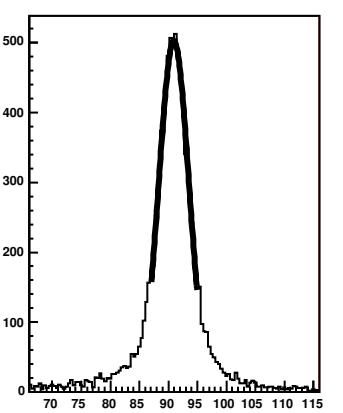
massplotst-individual dilmassTCE_SCMIO
integral
1.146529e+02
peak integral from gaussian
4.442950e-01
peak integral error from gaussian
4.925782e+01
Integral 66-116
5.087897e+02
Integral 66-116 Error
1.060341e+02
mean from gaussian
6.933333e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
1.275593e-02
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassPHX_SCMIO



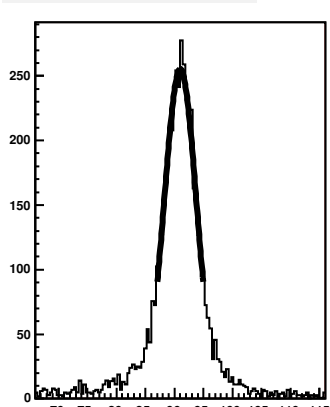
massplotst-individual dilmassPHX_SCMIO
integral
4.228126e+01
peak integral from gaussian
-4.933060e+04
peak integral error from gaussian
-9.097080e+06
Integral 66-116
1.213350e+02
Integral 66-116 Error
4.449744e+01
mean from gaussian
-8.348250e+04
mean error from gaussian
1.541078e+07
sigma from gaussian
-2.012525e+04
sigma error from gaussian
3.711246e+06

massplotst-individual dilmassCMUP_SCMIO



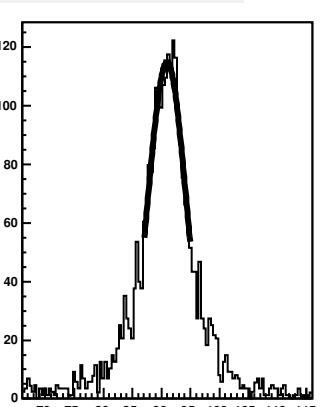
massplotst-individual dilmassCMUP_SCMIO
integral
9.404825e+03
peak integral from gaussian
7.736388e+03
peak integral error from gaussian
1.727509e+02
Integral 66-116
1.052872e+04
Integral 66-116 Error
7.631698e+02
mean from gaussian
9.093805e+01
mean error from gaussian
3.591325e-02
sigma from gaussian
2.557488e+00
sigma error from gaussian
4.230730e-02

massplotst-individual dilmassCMX_SCMIO



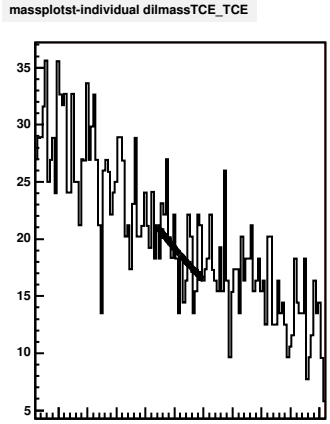
massplotst-individual dilmassCMX_SCMIO
integral
5.026722e+03
peak integral from gaussian
4.226128e+03
peak integral error from gaussian
1.543269e+02
Integral 66-116
5.479064e+03
Integral 66-116 Error
6.031394e+02
mean from gaussian
9.099817e+01
mean error from gaussian
6.050153e-02
sigma from gaussian
2.749496e+00
sigma error from gaussian
7.824357e-02

massplotst-individual dilmassBMU_SCMIO



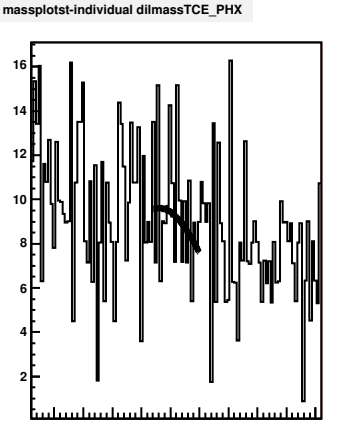
massplotst-individual dilmassBMU_SCMIO
integral
2.832294e+03
peak integral from gaussian
2.233920e+03
peak integral error from gaussian
1.492890e+02
Integral 66-116
3.070213e+03
Integral 66-116 Error
5.080412e+02
mean from gaussian
9.096672e+01
mean error from gaussian
1.231750e-01
sigma from gaussian
3.233015e+00
sigma error from gaussian
1.830583e-01

massplotst-individual dilmassTCE_TCE



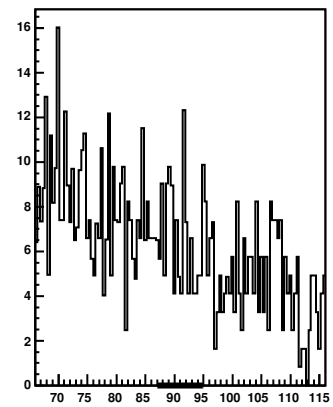
massplotst-individual dilmassTCE_TCE
integral
2.444374e+03
peak integral from gaussian
-2.855461e+07
peak integral error from gaussian
-1.916470e+08
Integral 66-116
6.134428e+03
Integral 66-116 Error
5.815786e+02
mean from gaussian
-3.920740e+02
mean error from gaussian
6.127190e+02
sigma from gaussian
-1.236558e+02
sigma error from gaussian
1.163196e+02

massplotst-individual dilmassTCE_PHX



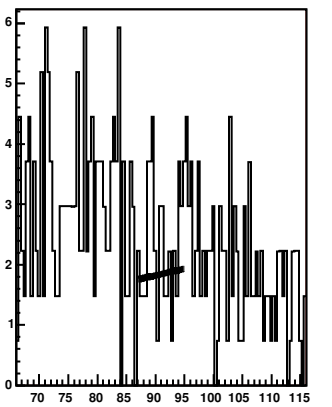
massplotst-individual dilmassTCE_PHX
integral
1.084102e+03
peak integral from gaussian
-5.797531e+02
peak integral error from gaussian
-8.981294e+02
Integral 66-116
1.842511e+03
Integral 66-116 Error
3.585680e+02
mean from gaussian
8.810275e+01
mean error from gaussian
9.228156e+00
sigma from gaussian
-1.001293e+01
sigma error from gaussian
1.546986e+01

massplotst-individual dilmassCMUP_CMUP



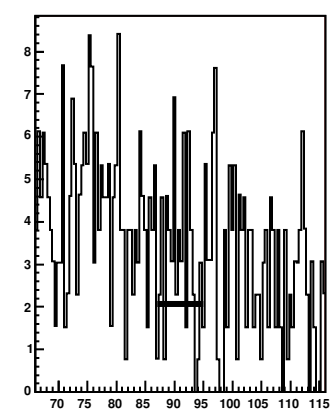
massplotst-individual dilmassCMUP_CMUP
integral
7.627461e+02
peak integral from gaussian
-6.696749e+01
peak integral error from gaussian
-1.367131e+02
Integral 66-116
2.071063e+03
Integral 66-116 Error
2.960215e+02
mean from gaussian
6.975000e+01
mean error from gaussian
8.935256e+00
sigma from gaussian
-6.933853e-01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassCMUP_CMU



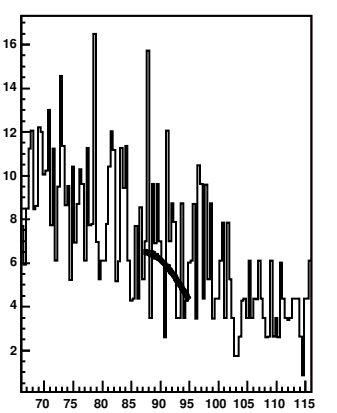
massplotst-individual dilmassCMUP_CMU
integral
2.921719e+02
peak integral from gaussian
1.224640e+06
peak integral error from gaussian
2.657927e+07
Integral 66-116
6.792100e+02
Integral 66-116 Error
1.688196e+02
mean from gaussian
1.082159e+03
mean error from gaussian
7.325005e+03
sigma from gaussian
2.873151e+02
sigma error from gaussian
1.844027e+03

massplotst-individual dilmassCMUP_CMP



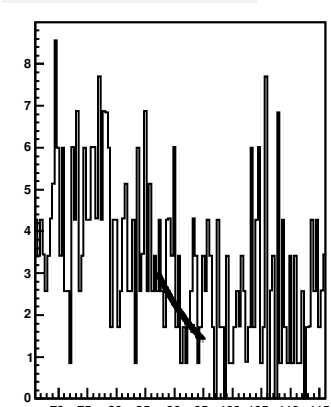
massplotst-individual dilmassCMUP_CMP
integral
4.219845e+02
peak integral from gaussian
-6.178558e+08
peak integral error from gaussian
-8.451920e+09
Integral 66-116
1.034150e+03
Integral 66-116 Error
2.049624e+02
mean from gaussian
-1.739501e+07
mean error from gaussian
1.247845e+08
sigma from gaussian
-4.604160e+07
sigma error from gaussian
6.242927e+08

massplotst-individual dilmassCMUP_CMX



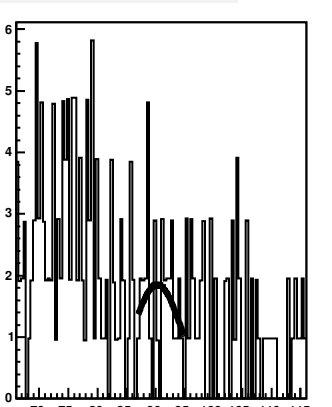
massplotst-individual dilmassCMUP_CMX
integral
8.178058e+02
peak integral from gaussian
-3.356765e+02
peak integral error from gaussian
-4.411097e+02
Integral 66-116
2.061435e+03
Integral 66-116 Error
3.138335e+02
mean from gaussian
8.716950e+01
mean error from gaussian
9.805402e+00
sigma from gaussian
-8.574787e+00
sigma error from gaussian
1.112709e+01

massplotst-individual dilmassCMUP_CMIO



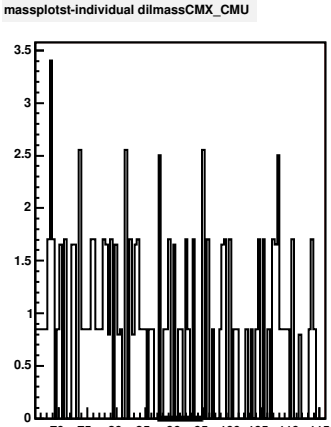
massplotst-individual dilmassCMUP_CMIO
integral
3.917305e+02
peak integral from gaussian
-3.172905e+08
peak integral error from gaussian
-4.119005e+09
Integral 66-116
1.003847e+03
Integral 66-116 Error
2.102288e+02
mean from gaussian
-1.788996e+02
mean error from gaussian
3.543867e+02
sigma from gaussian
-5.275217e+01
sigma error from gaussian
4.883692e+01

massplotst-individual dilmassCMX_CMX



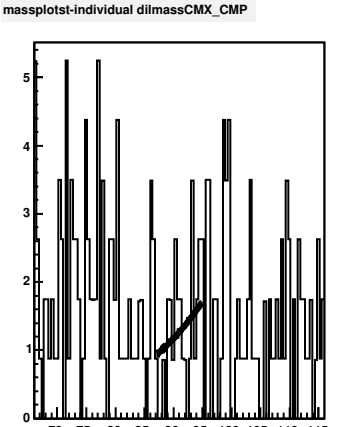
massplotst-individual dilmassCMX_CMX
integral
2.172236e+02
peak integral from gaussian
-4.700161e+01
peak integral error from gaussian
-3.516237e+01
Integral 66-116
5.082567e+02
Integral 66-116 Error
1.527428e+02
mean from gaussian
9.032271e+01
mean error from gaussian
1.598294e+00
sigma from gaussian
-4.202057e+00
sigma error from gaussian
2.924233e+00

massplotst-individual dilmassCMX_CMU



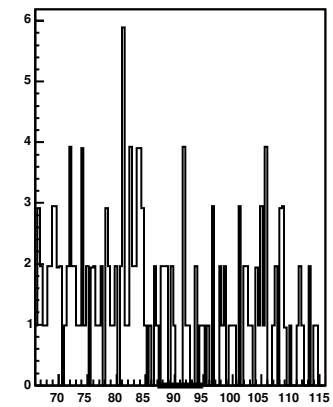
massplotst-individual dilmassCMX_CMU
integral
1.005559e+02
peak integral from gaussian
-3.626009e+01
peak integral error from gaussian
-3.268710e+01
Integral 66-116
2.480887e+02
Integral 66-116 Error
9.036029e+01
mean from gaussian
6.850000e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
-1.767516e+00
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassCMX_CMP



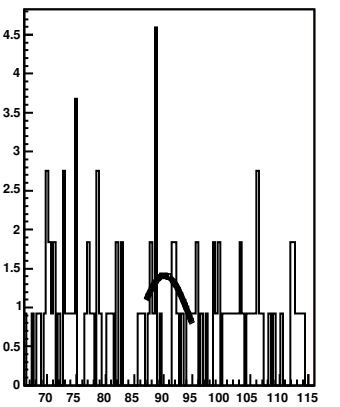
massplotst-individual dilmassCMX_CMP
integral
1.913334e+02
peak integral from gaussian
2.045952e+07
peak integral error from gaussian
3.475762e+08
Integral 66-116
3.966508e+02
Integral 66-116 Error
1.361485e+02
mean from gaussian
3.714001e+02
mean error from gaussian
6.113908e+02
sigma from gaussian
6.061465e+01
sigma error from gaussian
1.010416e+02

massplotst-individual dilmassCMX_CMIO



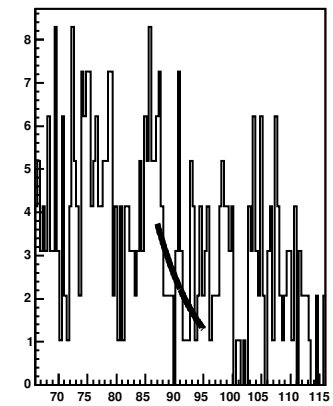
massplotst-individual dilmassCMX_CMIO
integral
1.598445e+02
peak integral from gaussian
1.960892e+00
peak integral error from gaussian
5.022167e+01
Integral 66-116
3.795652e+02
Integral 66-116 Error
1.270961e+02
mean from gaussian
8.100000e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
5.522004e-02
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassPHX_BMU



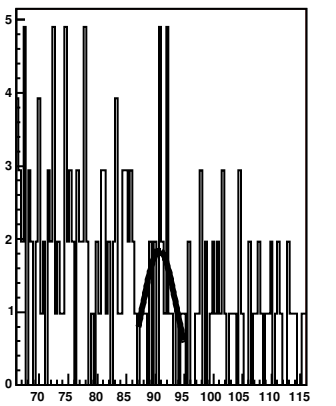
massplotst-individual dilmassPHX_BMU
integral
9.470351e+01
peak integral from gaussian
-3.773739e+01
peak integral error from gaussian
-4.448904e+01
Integral 66-116
2.252655e+02
Integral 66-116 Error
8.907613e+01
mean from gaussian
9.021198e+01
mean error from gaussian
2.602592e+00
sigma from gaussian
-4.439111e+00
sigma error from gaussian
4.890719e+00

massplotst-individual dilmassCMUP_BMU



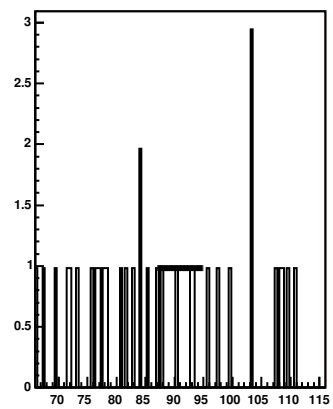
massplotst-individual dilmassCMUP_BMU
integral
4.053312e+02
peak integral from gaussian
-4.347283e+10
peak integral error from gaussian
-2.440782e+11
Integral 66-116
9.671979e+02
Integral 66-116 Error
2.297004e+02
mean from gaussian
-1.816892e+02
mean error from gaussian
2.057201e+02
sigma from gaussian
-4.533605e+01
sigma error from gaussian
3.140493e+01

massplotst-individual dilmassCMX_BMU



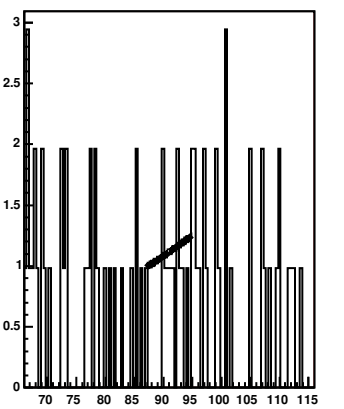
massplotst-individual dilmassCMX_BMU
integral
1.745718e+02
peak integral from gaussian
3.122960e+01
peak integral error from gaussian
1.947536e+01
Integral 66-116
4.040655e+02
Integral 66-116 Error
1.342249e+02
mean from gaussian
9.069468e+01
mean error from gaussian
9.054075e-01
sigma from gaussian
2.816830e+00
sigma error from gaussian
1.444773e+00

massplotst-individual dilmassBMU_BMU



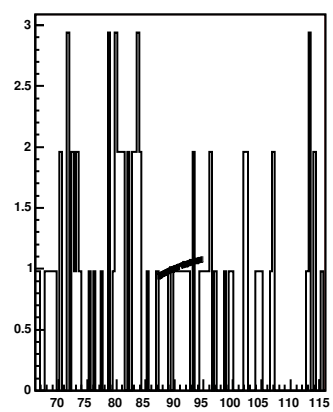
massplotst-individual dilmassBMU_BMU
integral
3.236443e+01
peak integral from gaussian
-2.278548e+03
peak integral error from gaussian
-2.209020e+08
Integral 66-116
7.551699e+01
Integral 66-116 Error
3.705189e+01
mean from gaussian
8.977678e+01
mean error from gaussian
2.775609e+05
sigma from gaussian
-3.856665e+02
sigma error from gaussian
3.738982e+07

massplotst-individual dilmassBMU_CMU



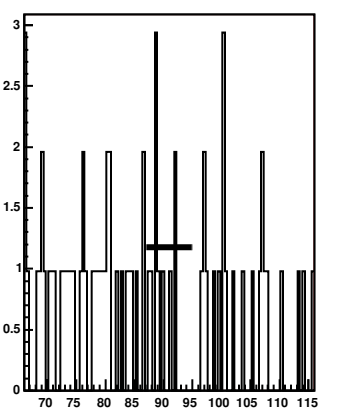
massplotst-individual dilmassBMU_CMU
integral
7.257478e+01
peak integral from gaussian
-1.552073e+06
peak integral error from gaussian
-4.256647e+07
Integral 66-116
1.373036e+02
Integral 66-116 Error
6.886323e+01
mean from gaussian
5.952544e+02
mean error from gaussian
3.264311e+03
sigma from gaussian
-1.303624e+02
sigma error from gaussian
7.240313e+02

massplotst-individual dilmassBMU_CMP



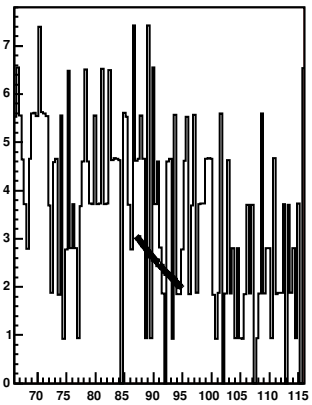
massplotst-individual dilmassBMU_CMP
integral
8.238219e+01
peak integral from gaussian
-1.434900e+02
peak integral error from gaussian
-2.269956e+03
Integral 66-116
1.873215e+02
Integral 66-116 Error
7.711733e+01
mean from gaussian
9.943701e+01
mean error from gaussian
2.417140e+02
sigma from gaussian
-2.161872e+01
sigma error from gaussian
3.392948e+02

massplotst-individual dilmassBMU_CMIO



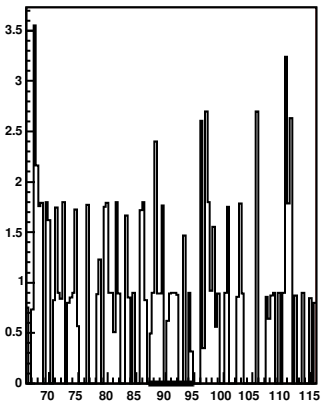
massplotst-individual dilmassBMU_CMIO
integral
7.061330e+01
peak integral from gaussian
-6.610842e+03
peak integral error from gaussian
-2.192289e+03
Integral 66-116
1.618222e+02
Integral 66-116 Error
7.081457e+01
mean from gaussian
1.183795e+02
mean error from gaussian
1.414213e+00
sigma from gaussian
-9.320096e+02
sigma error from gaussian
1.414213e+00

massplotst-individual dilmassTCE_SCMIO



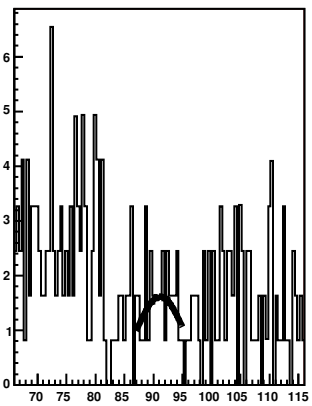
massplotst-individual dilmassTCE_SCMIO
integral
4.284229e+02
peak integral from gaussian
-1.040628e+08
peak integral error from gaussian
-1.072724e+09
Integral 66-116
1.130606e+03
Integral 66-116 Error
2.294804e+02
mean from gaussian
-3.189326e+02
mean error from gaussian
6.726451e+02
sigma from gaussian
-8.620167e+01
sigma error from gaussian
1.185875e+02

massplotst-individual dilmassPHX_SCMIO



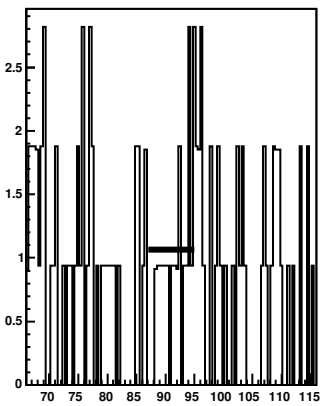
massplotst-individual dilmassPHX_SCMIO
integral
9.593212e+01
peak integral from gaussian
7.982401e+00
peak integral error from gaussian
3.045046e+01
Integral 66-116
1.943991e+02
Integral 66-116 Error
8.352730e+01
mean from gaussian
6.725000e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
3.727600e-01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassCMUP_SCMIO



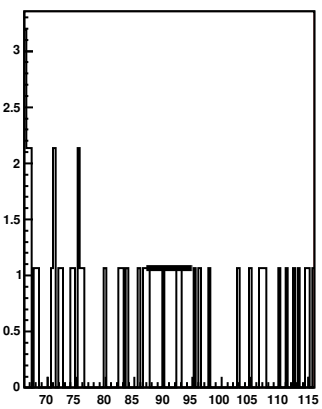
massplotst-individual dilmassCMUP_SCMIO
integral
2.244006e+02
peak integral from gaussian
-4.048637e+01
peak integral error from gaussian
-2.716246e+01
Integral 66-116
6.301244e+02
Integral 66-116 Error
1.536588e+02
mean from gaussian
9.114635e+01
mean error from gaussian
1.324026e+00
sigma from gaussian
-4.152693e+00
sigma error from gaussian
2.583377e+00

massplotst-individual dilmassCMX_SCMIO



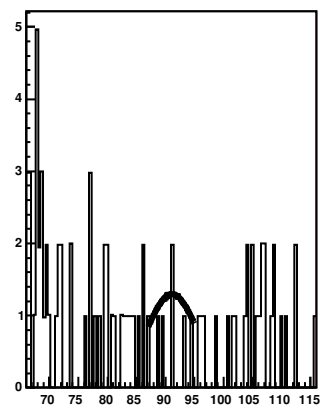
massplotst-individual dilmassCMX_SCMIO
integral
1.040486e+02
peak integral from gaussian
-5.148764e+13
peak integral error from gaussian
-1.860237e+14
Integral 66-116
2.448237e+02
Integral 66-116 Error
9.523137e+01
mean from gaussian
-2.458437e+09
mean error from gaussian
4.504975e+08
sigma from gaussian
-5.620359e+08
sigma error from gaussian
1.025805e+08

massplotst-individual dilmassBMU_SCMIO



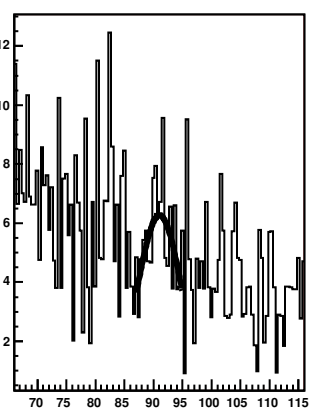
massplotst-individual dilmassBMU_SCMIO
integral
4.907444e+01
peak integral from gaussian
-5.439747e+04
peak integral error from gaussian
-1.255290e+07
Integral 66-116
1.056082e+02
Integral 66-116 Error
5.199690e+01
mean from gaussian
-1.160378e+03
mean error from gaussian
2.482482e+05
sigma from gaussian
-8.368779e+03
sigma error from gaussian
1.930404e+06

massplotst-individual dilmassTCE_TCE



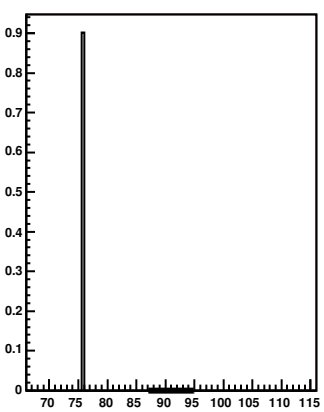
massplotst-individual dilmassTCE_TCE
integral
8.147070e+01
peak integral from gaussian
-3.462161e+01
peak integral error from gaussian
-6.240282e+01
Integral 66-116
2.504252e+03
Integral 66-116 Error
1.126181e+02
mean from gaussian
9.112933e+01
mean error from gaussian
3.106680e+00
sigma from gaussian
-4.429924e+00
sigma error from gaussian
7.441884e+00

massplotst-individual dilmassTCE_PHX



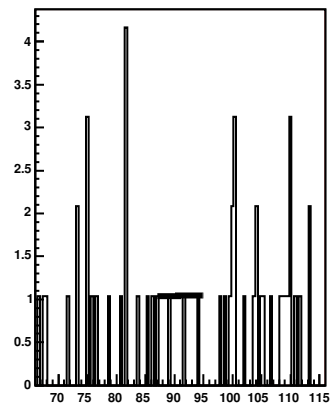
massplotst-individual dilmassTCE_PHX
integral
6.309893e+02
peak integral from gaussian
-1.448410e+02
peak integral error from gaussian
-5.021410e+01
Integral 66-116
2.077140e+03
Integral 66-116 Error
2.946716e+02
mean from gaussian
9.103692e+01
mean error from gaussian
6.354746e-01
sigma from gaussian
-3.833442e+00
sigma error from gaussian
1.212382e+00

massplotst-individual dilmassCMUP_CMIO



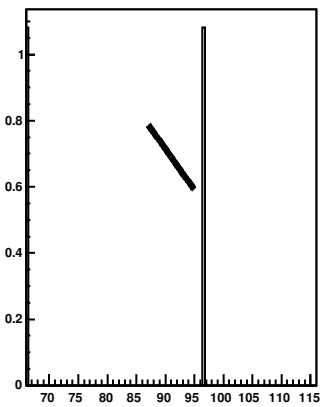
massplotst-individual dilmassCMUP_CMIO
integral
9.021986e-01
peak integral from gaussian
9.021986e-01
peak integral error from gaussian
7.815054e+00
Integral 66-116
3.919855e+01
Integral 66-116 Error
6.742905e+00
mean from gaussian
7.558333e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
1.660026e-01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassPHX_BMU



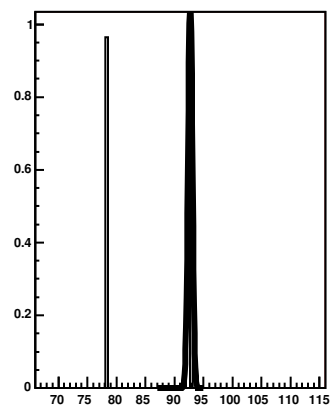
massplotst-individual dilmassPHX_BMU
integral
5.208699e+01
peak integral from gaussian
3.121921e+09
peak integral error from gaussian
2.232933e+10
Integral 66-116
5.927514e+02
Integral 66-116 Error
6.733241e+01
mean from gaussian
1.247034e+05
mean error from gaussian
4.246974e+04
sigma from gaussian
2.817770e+04
sigma error from gaussian
1.059960e+04

massplotst-individual dilmassBMU_CMIO



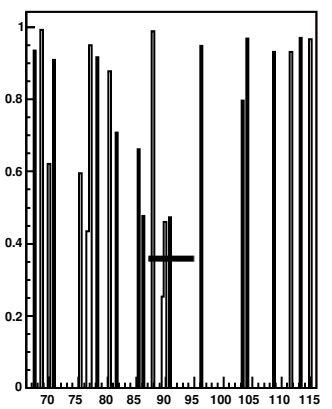
massplotst-individual dilmassBMU_CMIO
integral
2.165168e+00
peak integral from gaussian
-1.718062e+02
peak integral error from gaussian
-2.246252e+02
Integral 66-116
1.515618e+01
Integral 66-116 Error
5.915349e+00
mean from gaussian
6.600000e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
-2.634463e+01
sigma error from gaussian
1.414214e+00

massplotst-individual dilmassTCE_SCMIO



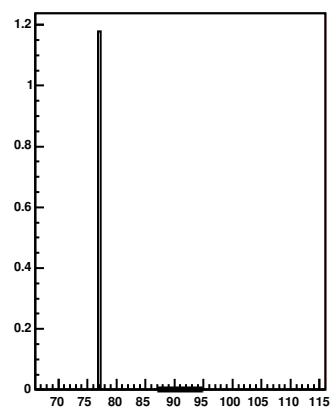
massplotst-individual dilmassTCE_SCMIO
integral
1.949766e+00
peak integral from gaussian
2.408090e+00
peak integral error from gaussian
1.037704e+02
Integral 66-116
7.957234e+01
Integral 66-116 Error
1.062881e+01
mean from gaussian
9.270984e+01
mean error from gaussian
8.027420e+00
sigma from gaussian
3.669024e-01
sigma error from gaussian
1.484023e+01

massplotst-individual dilmassPHX_SCMIO



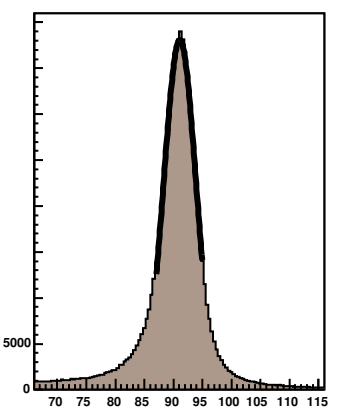
massplotst-individual dilmassPHX_SCMIO
integral
1.775995e+01
peak integral from gaussian
6.111319e+06
peak integral error from gaussian
3.326571e+06
Integral 66-116
9.038992e+01
Integral 66-116 Error
2.523012e+01
mean from gaussian
9.625569e+04
mean error from gaussian
1.414213e+00
sigma from gaussian
2.832212e+06
sigma error from gaussian
1.414213e+00

massplotst-individual dilmassBMU_SCMIO



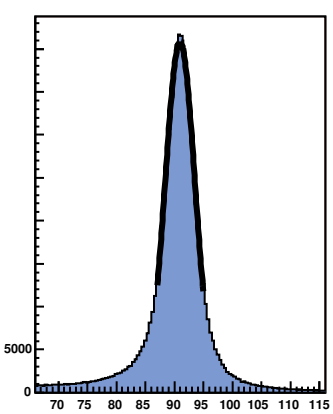
massplotst-individual dilmassBMU_SCMIO
integral
1.177860e+00
peak integral from gaussian
1.177860e+00
peak integral error from gaussian
1.013362e+01
Integral 66-116
1.177860e+00
Integral 66-116 Error
1.177860e+00
mean from gaussian
7.683333e+01
mean error from gaussian
1.414214e+00
sigma from gaussian
1.660026e-01
sigma error from gaussian
1.414214e+00

Zee-dilepton masses for Z peak



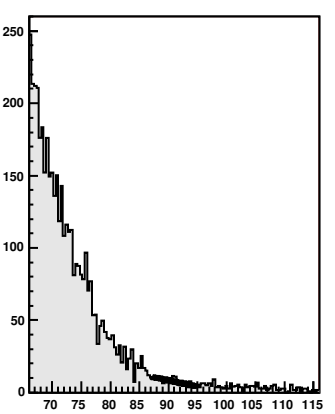
Zee-dilepton masses for Z peak
integral
7.617390e+05
peak integral from gaussian
6.271171e+05
peak integral error from gaussian
1.814264e+03
Integral 66-116
8.255293e+05
Integral 66-116 Error
7.395268e+03
mean from gaussian
9.111057e+01
mean error from gaussian
4.811717e-03
sigma from gaussian
2.734109e+00
sigma error from gaussian
6.133556e-03

Zmumu-dilepton masses for Z peak



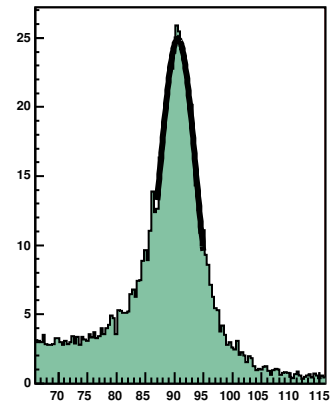
Zmumu-dilepton masses for Z peak
integral
7.636563e+05
peak integral from gaussian
6.253356e+05
peak integral error from gaussian
1.657110e+03
Integral 66-116
8.402990e+05
Integral 66-116 Error
7.302414e+03
mean from gaussian
9.095546e+01
mean error from gaussian
4.183198e-03
sigma from gaussian
2.544182e+00
sigma error from gaussian
5.012188e-03

Ztautau-dilepton masses for Z peak



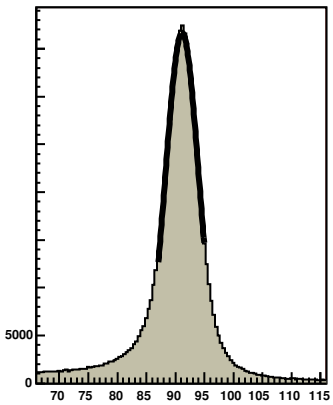
Ztautau-dilepton masses for Z peak
integral
4.582789e+03
peak integral from gaussian
-6.532768e+02
peak integral error from gaussian
-1.218876e+03
Integral 66-116
3.984291e+04
Integral 66-116 Error
7.217503e+02
mean from gaussian
8.231896e+01
mean error from gaussian
2.352627e+01
sigma from gaussian
-8.648211e+00
sigma error from gaussian
1.195145e+01

fake-dilepton masses for Z peak



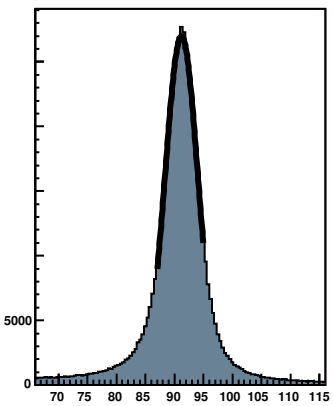
fake-dilepton masses for Z peak
integral
7.243866e+02
peak integral from gaussian
4.748289e+02
peak integral error from gaussian
1.216904e+01
Integral 66-116
1.284946e+03
Integral 66-116 Error
5.324521e+01
mean from gaussian
9.059249e+01
mean error from gaussian
4.876635e-02
sigma from gaussian
3.162703e+00
sigma error from gaussian
6.778396e-02

WZ-dilepton masses for Z peak



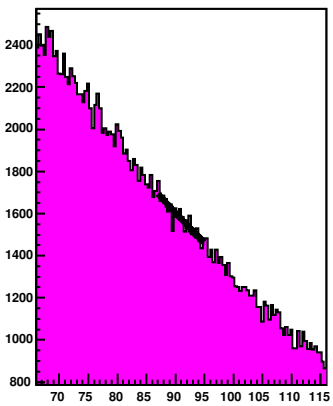
WZ-dilepton masses for Z peak
integral
7.747220e+05
peak integral from gaussian
6.223169e+05
peak integral error from gaussian
1.868976e+03
Integral 66-116
8.670966e+05
Integral 66-116 Error
7.667137e+03
mean from gaussian
9.115006e+01
mean error from gaussian
5.105472e-03
sigma from gaussian
2.818696e+00
sigma error from gaussian
6.686820e-03

ZZ-dilepton masses for Z peak



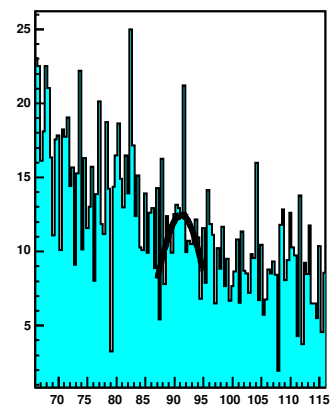
ZZ-dilepton masses for Z peak
integral
5.547579e+05
peak integral from gaussian
4.563897e+05
peak integral error from gaussian
1.593361e+03
Integral 66-116
6.189139e+05
Integral 66-116 Error
6.375069e+03
mean from gaussian
9.120122e+01
mean error from gaussian
5.935575e-03
sigma from gaussian
2.806123e+00
sigma error from gaussian
7.723835e-03

WW-dilepton masses for Z peak



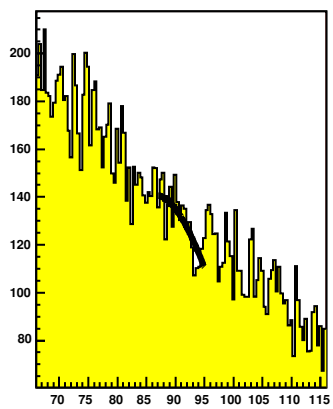
WW-dilepton masses for Z peak
integral
1.933669e+05
peak integral from gaussian
-8.257323e+07
peak integral error from gaussian
-1.308039e+08
Integral 66-116
4.592062e+05
Integral 66-116 Error
5.075902e+03
mean from gaussian
-3.461886e+02
mean error from gaussian
1.888811e+02
sigma from gaussian
-1.538870e+02
sigma error from gaussian
3.861143e+01

wgamma-dilepton masses for Z peak



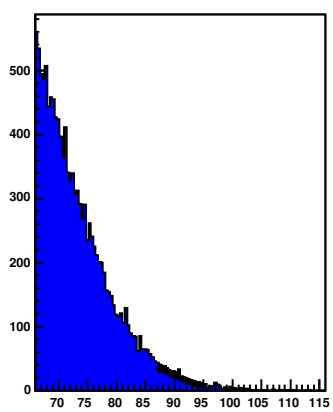
wgamma-dilepton masses for Z peak
integral
1.431216e+03
peak integral from gaussian
3.364967e+02
peak integral error from gaussian
9.902423e+01
Integral 66-116
9.734854e+03
Integral 66-116 Error
4.759107e+02
mean from gaussian
9.116034e+01
mean error from gaussian
5.761107e-01
sigma from gaussian
4.477474e+00
sigma error from gaussian
1.245186e+00

ttbar-dilepton masses for Z peak



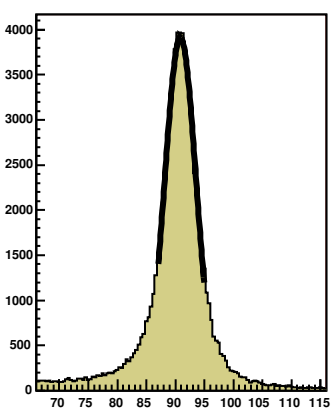
ttbar-dilepton masses for Z peak
integral
1.618784e+04
peak integral from gaussian
-1.041848e+04
peak integral error from gaussian
-5.929499e+03
Integral 66-116
3.830065e+04
Integral 66-116 Error
1.435450e+03
mean from gaussian
8.644196e+01
mean error from gaussian
5.174031e+00
sigma from gaussian
-1.227732e+01
sigma error from gaussian
6.940393e+00

higgsww-dilepton masses for Z peak



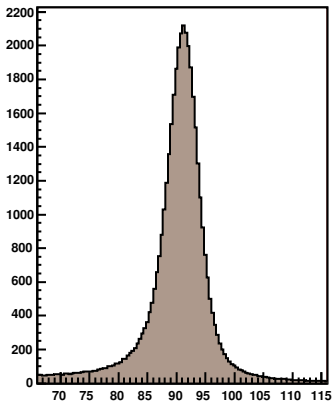
higgsww-dilepton masses for Z peak
integral
1.277600e+04
peak integral from gaussian
-2.389460e+03
peak integral error from gaussian
-3.074128e+03
Integral 66-116
2.116992e+05
Integral 66-116 Error
1.302939e+03
mean from gaussian
8.092525e+01
mean error from gaussian
1.194285e+01
sigma from gaussian
-6.969554e+00
sigma error from gaussian
4.319867e+00

data-dilepton masses for Z peak

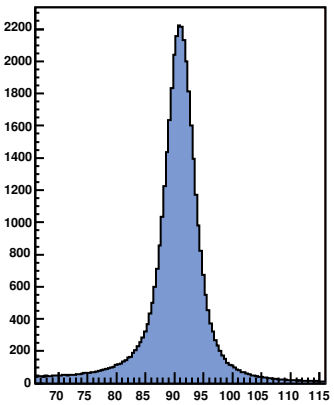


data-dilepton masses for Z peak
integral
7.823400e+04
peak integral from gaussian
6.287564e+04
peak integral error from gaussian
5.743018e+02
Integral 66-116
9.594600e+04
Integral 66-116 Error
2.497714e+03
mean from gaussian
9.085830e+01
mean error from gaussian
1.488298e-02
sigma from gaussian
2.666877e+00
sigma error from gaussian
1.863490e-02

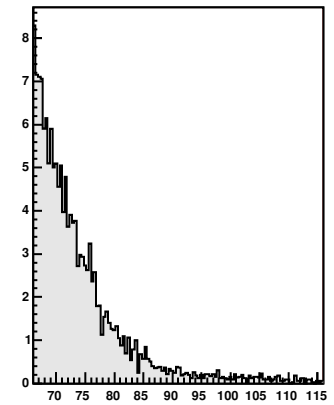
Zee-dilepton masses for Z peak



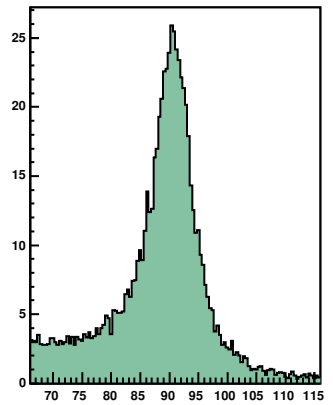
Zmumu-dilepton masses for Z peak



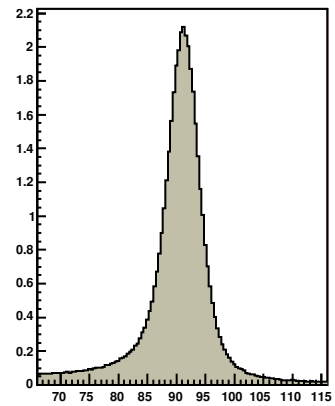
Ztautau-dilepton masses for Z peak



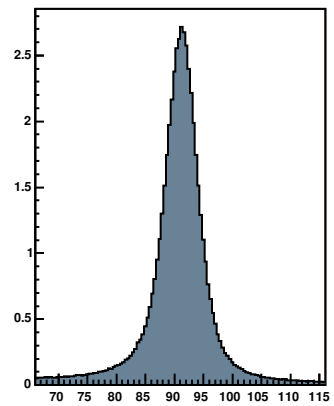
fake-dilepton masses for Z peak



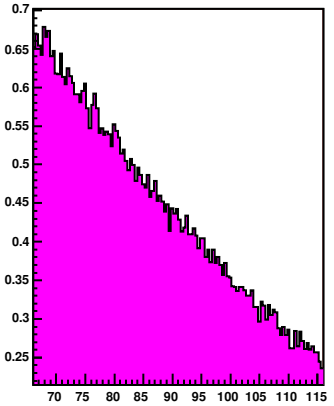
WZ-dilepton masses for Z peak



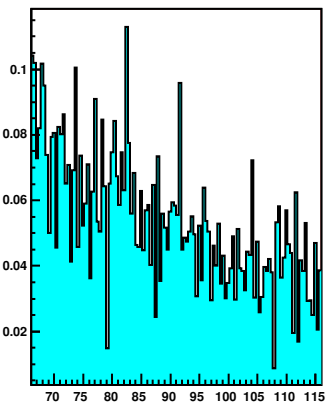
ZZ-dilepton masses for Z peak



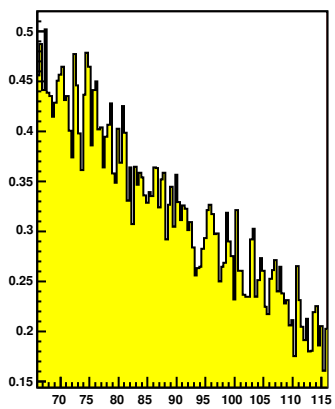
WW-dilepton masses for Z peak



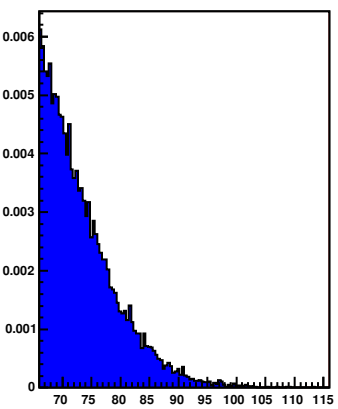
wgamma-dilepton masses for Z peak



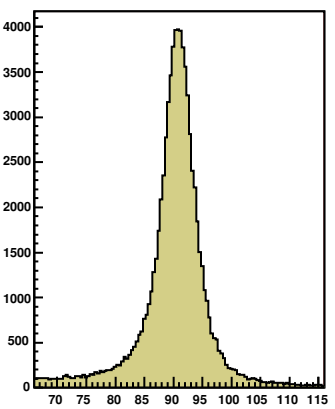
ttbar-dilepton masses for Z peak



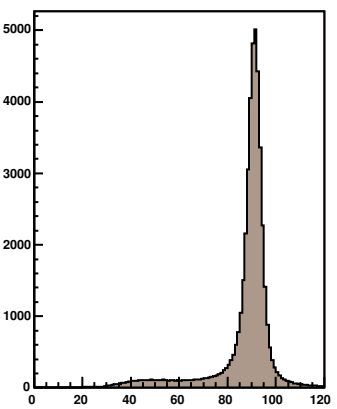
higgsww-dilepton masses for Z peak



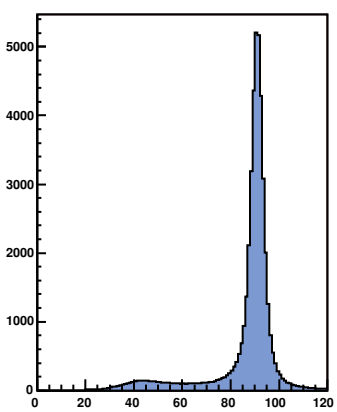
data-dilepton masses for Z peak



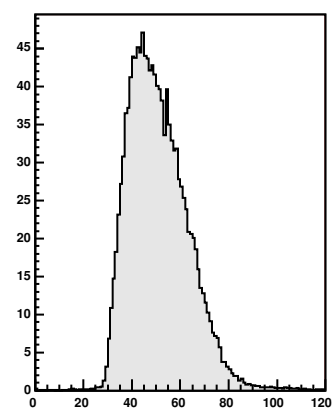
Zee-dilepton masses for Z peak



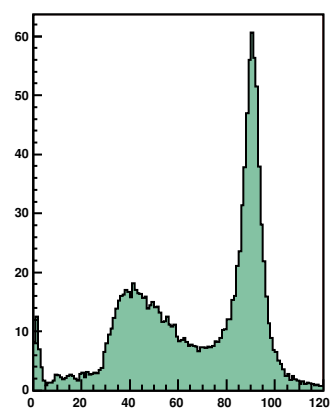
Zmumu-dilepton masses for Z peak



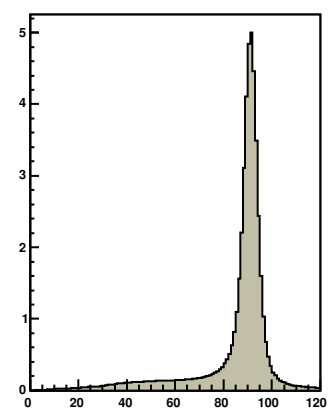
Ztautau-dilepton masses for Z peak



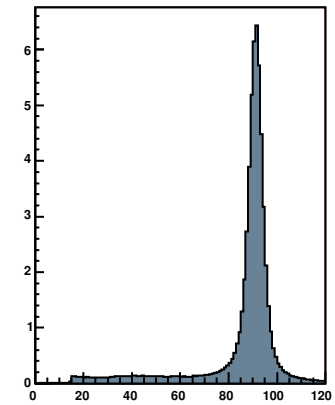
fake-dilepton masses for Z peak



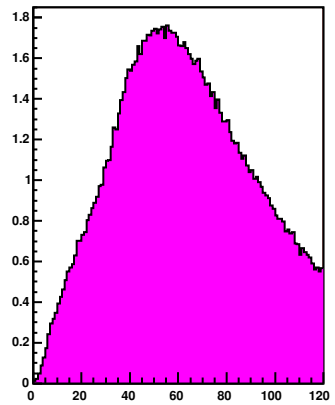
WZ-dilepton masses for Z peak



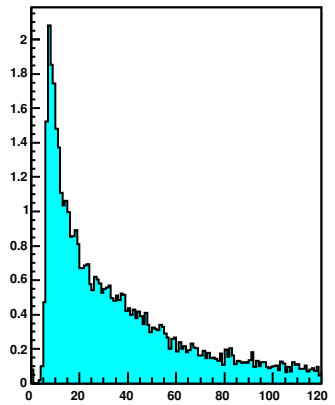
ZZ-dilepton masses for Z peak



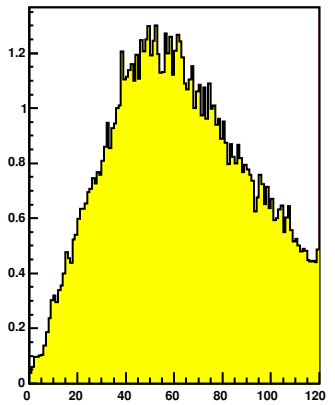
WW-dilepton masses for Z peak



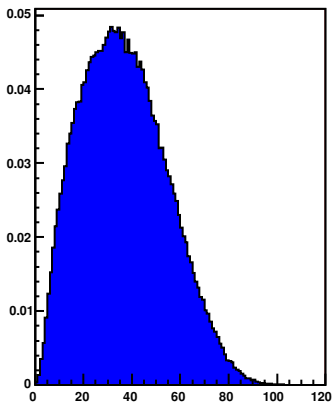
wgamma-dilepton masses for Z peak



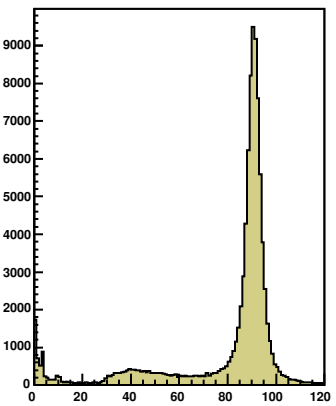
ttbar-dilepton masses for Z peak



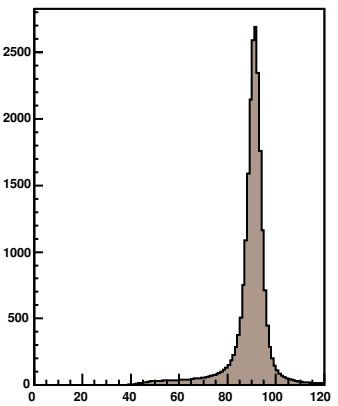
higgsww-dilepton masses for Z peak



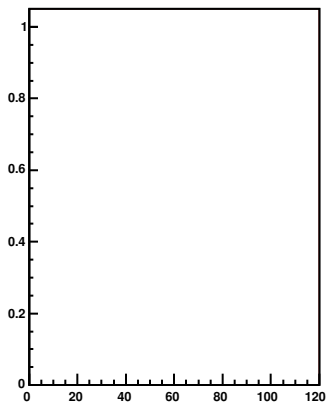
data-dilepton masses for Z peak



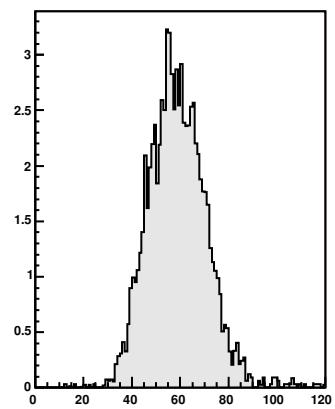
Zee-dilepton masses for TCE-PHX Z peak



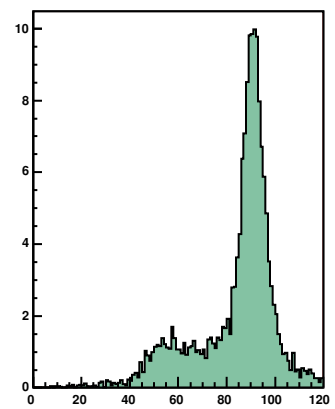
Zmumu-dilepton masses for TCE-PHX Z peak



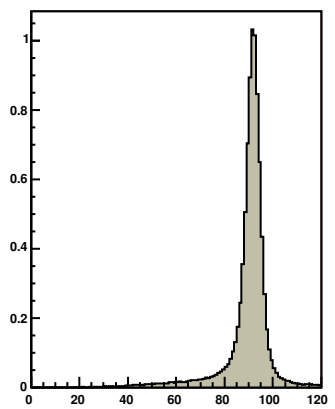
Ztautau-dilepton masses for TCE-PHX Z peak



fake-dilepton masses for TCE-PHX Z peak



WZ-dilepton masses for TCE-PHX Z peak



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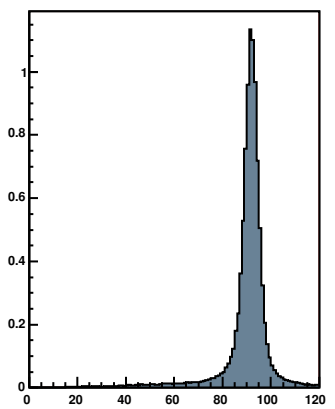

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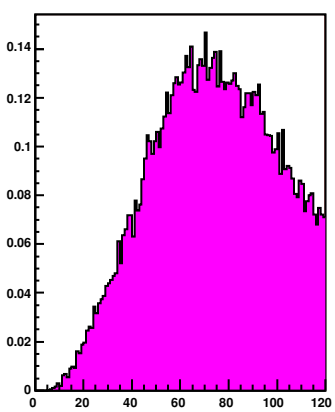

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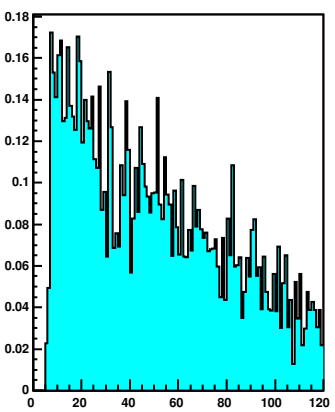

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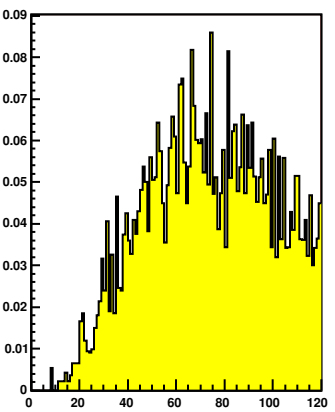

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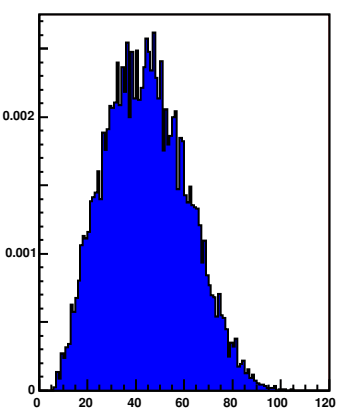

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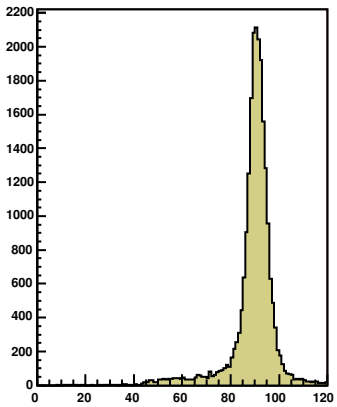
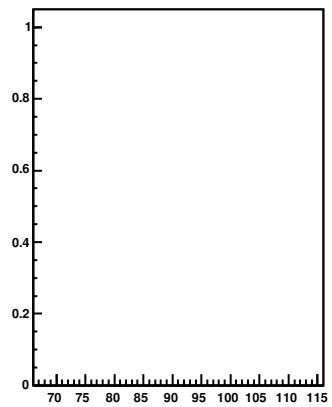


Zee-hepg dilepton masses for Z peak



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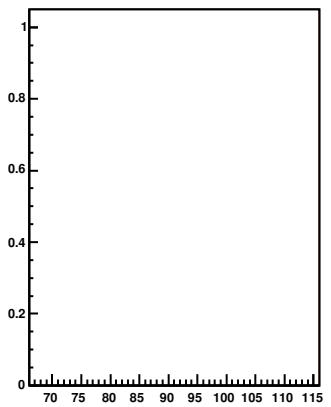

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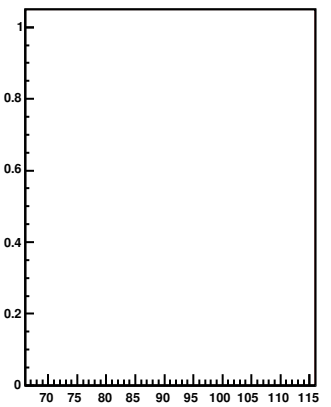
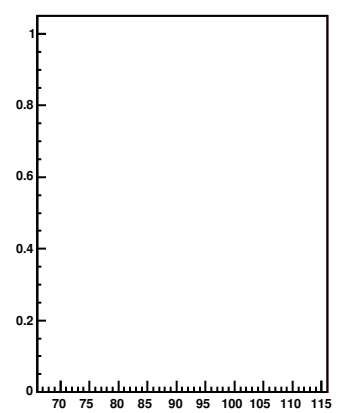
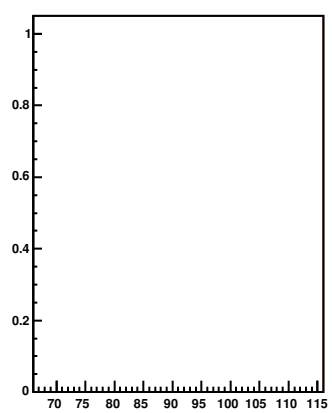


fake-hepg dilepton masses for Z peak



WZ-hepg dilepton masses for Z peak



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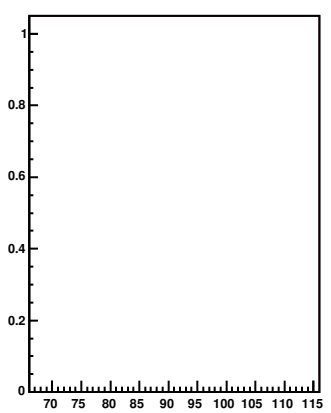

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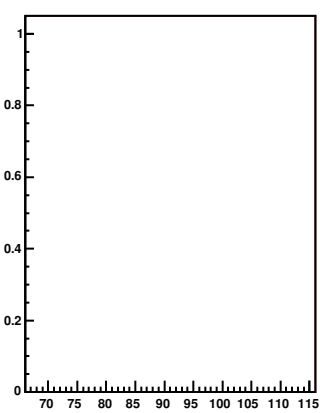
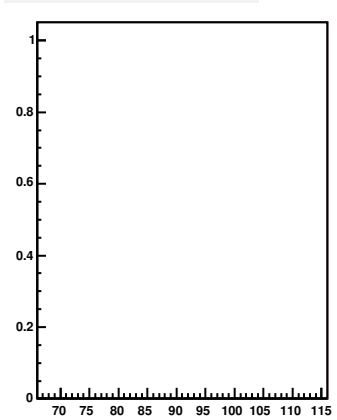
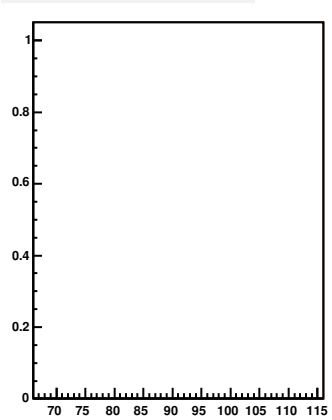


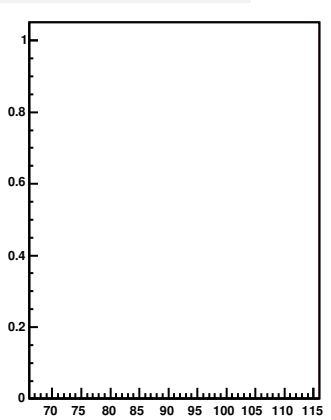
wgamma-hepg dilepton masses for Z peak



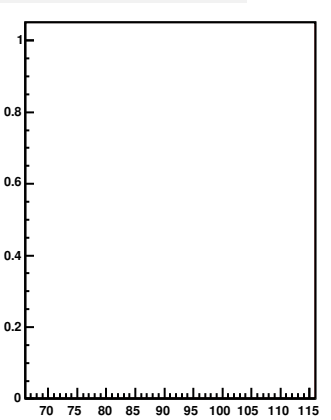
ttbar-hepg dilepton masses for Z peak



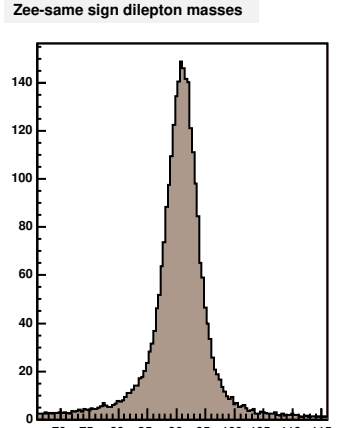
higgsww-hepg dilepton masses for Z peak



data-hepg dilepton masses for Z peak



Zee-same sign dilepton masses



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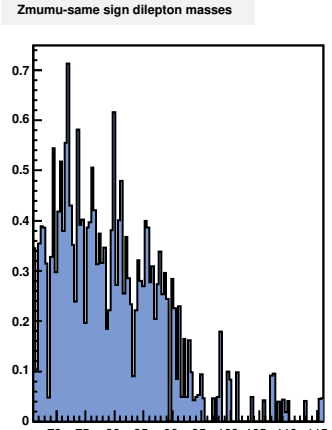

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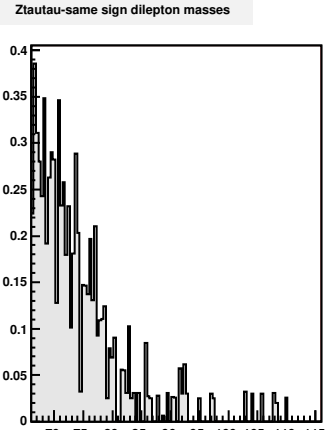
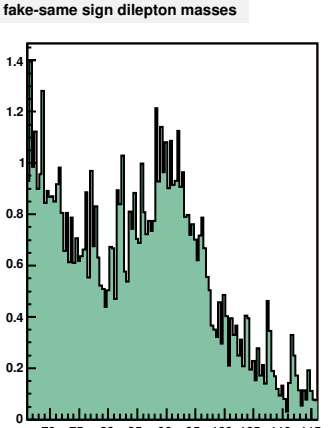
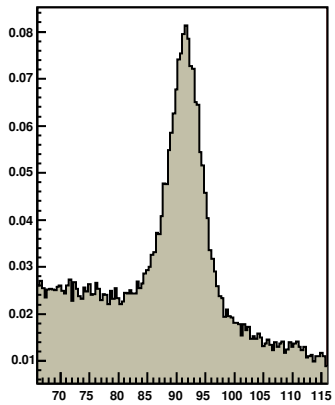


fake-same sign dilepton masses



WZ-same sign dilepton masses



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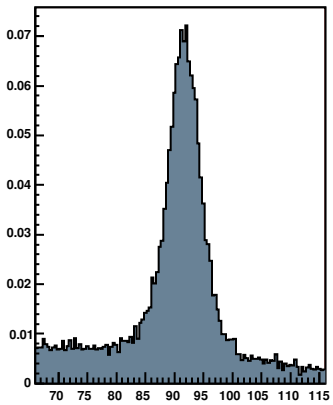

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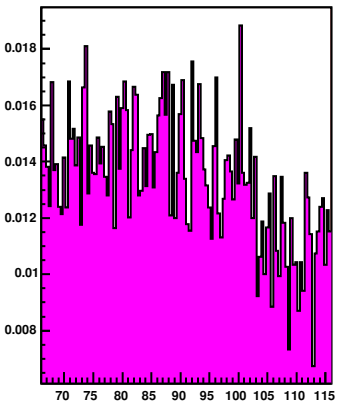

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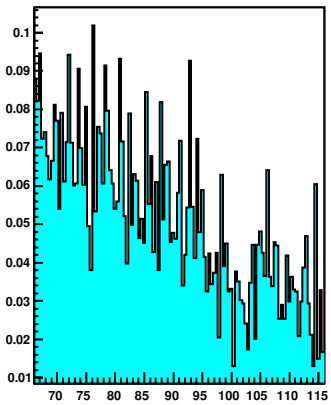
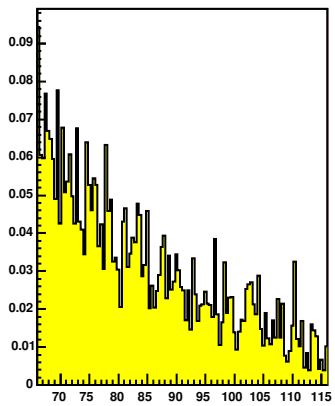
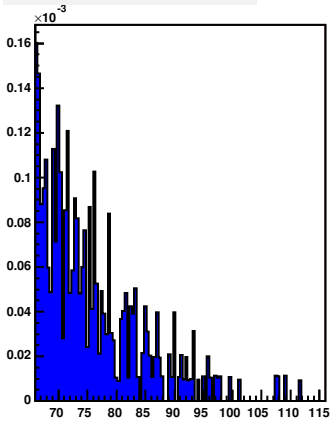


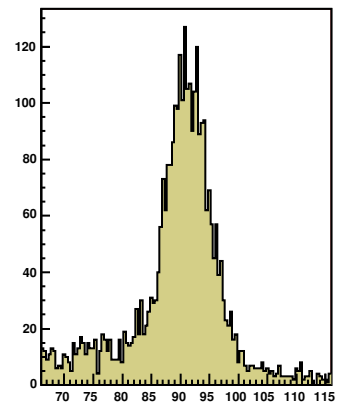
ttbar-same sign dilepton masses



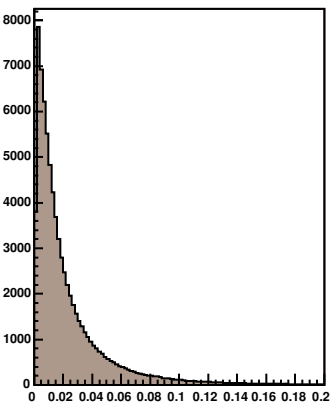
higgsww-same sign dilepton masses



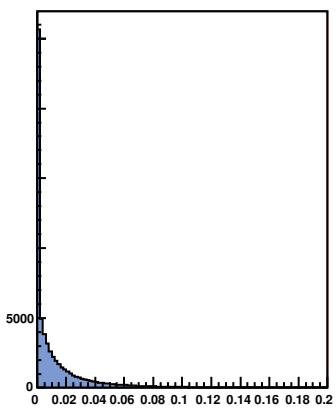
data-same sign dilepton masses



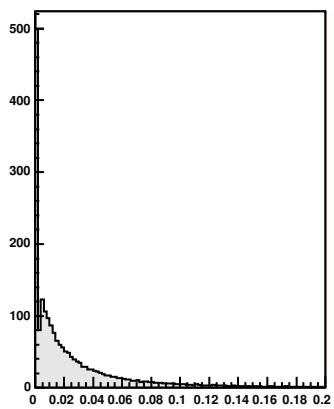
Zee-before lepton calorimeter isolation cut



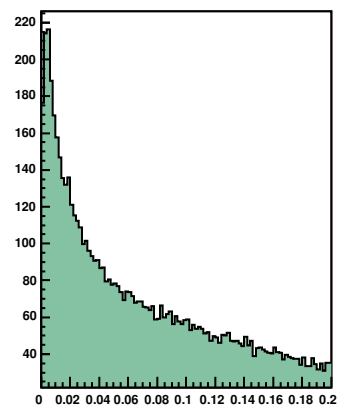
Zmumu-before lepton calorimeter isolation cut



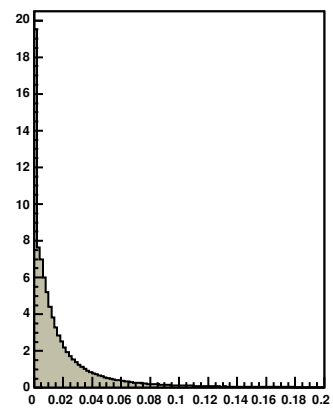
Ztautau-before lepton calorimeter isolation cut



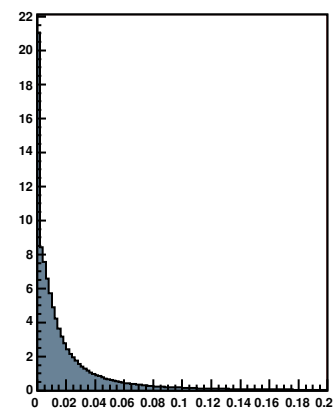
fake-before lepton calorimeter isolation cut



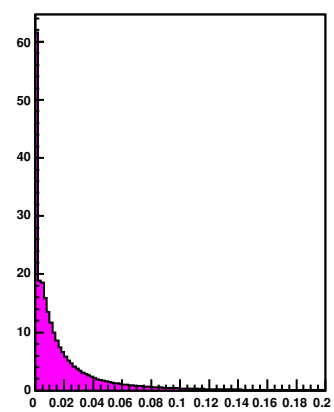
WZ-before lepton calorimeter isolation cut



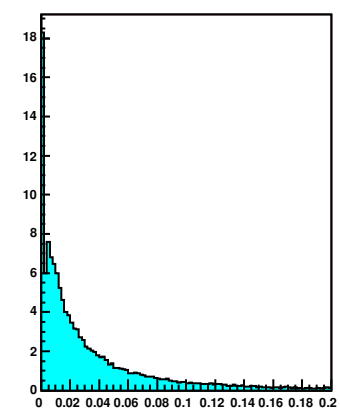
ZZ-before lepton calorimeter isolation cut



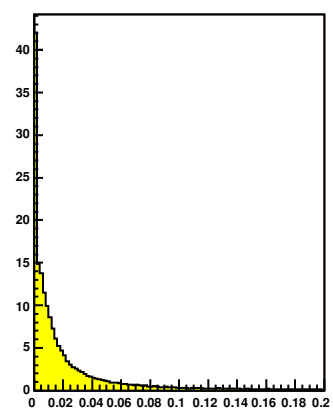
WW-before lepton calorimeter isolation cut



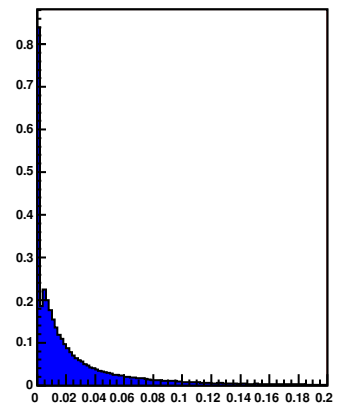
wgamma-before lepton calorimeter isolation cut



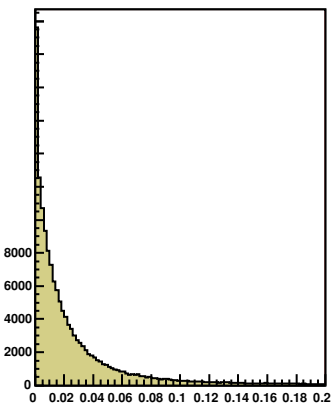
ttbar-before lepton calorimeter isolation cut



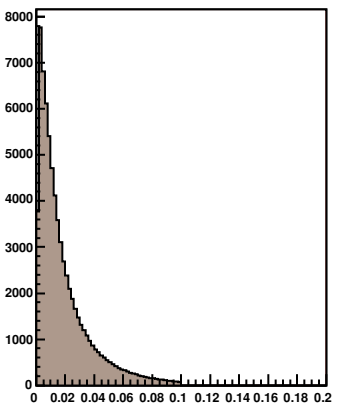
higgsww-before lepton calorimeter isolation cut



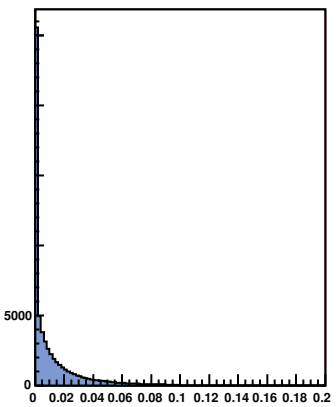
data-before lepton calorimeter isolation cut



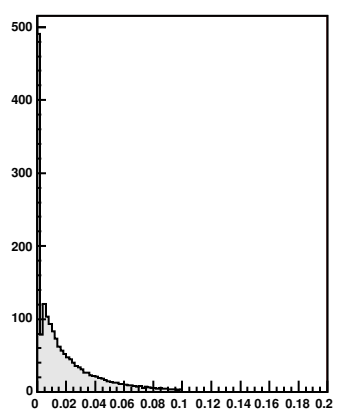
Zee-after lepton calorimeter isolation cut



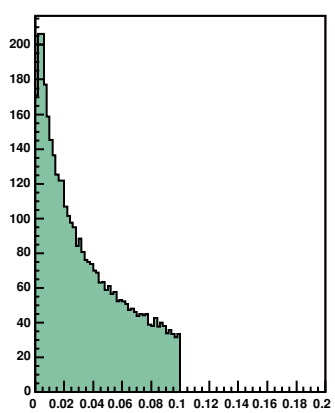
Zmumu-after lepton calorimeter isolation cut



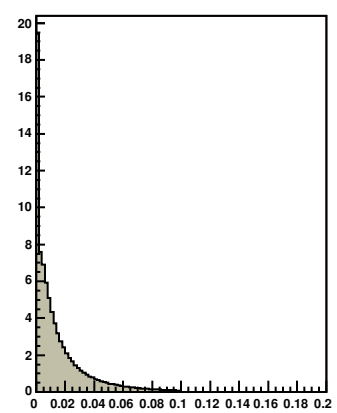
Ztautau-after lepton calorimeter isolation cut



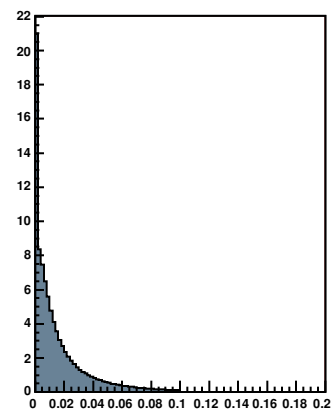
fake-after lepton calorimeter isolation cut



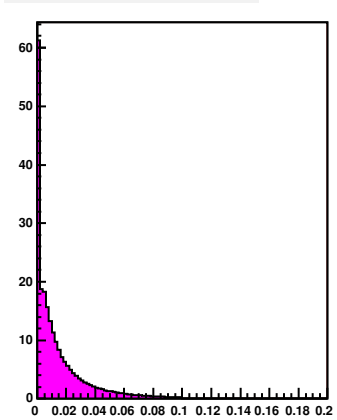
WZ-after lepton calorimeter isolation cut



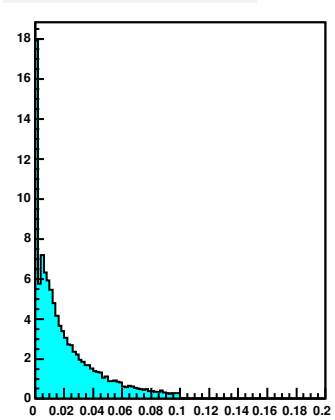
ZZ-after lepton calorimeter isolation cut



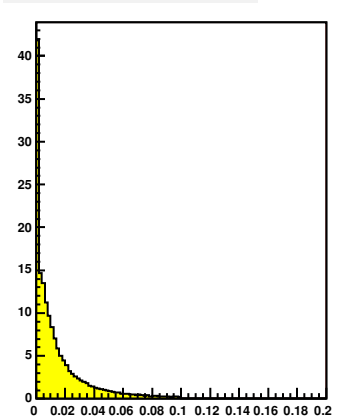
WW-after lepton calorimeter isolation cut



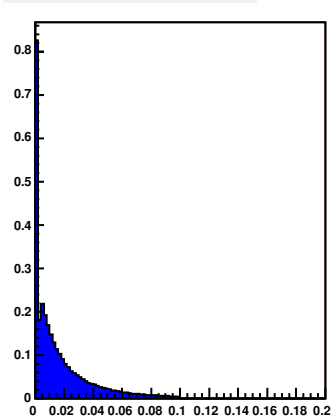
wgamma-after lepton calorimeter isolation cut



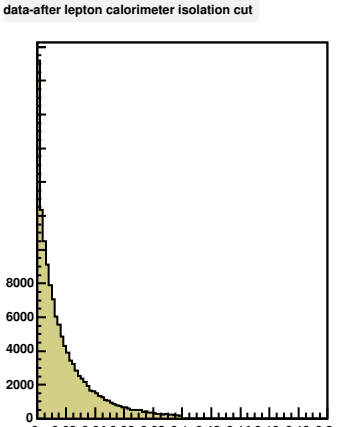
ttbar-after lepton calorimeter isolation cut



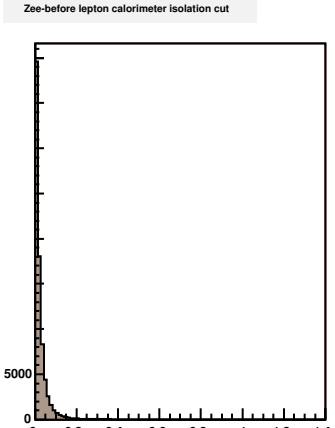
higgsww-after lepton calorimeter isolation cut



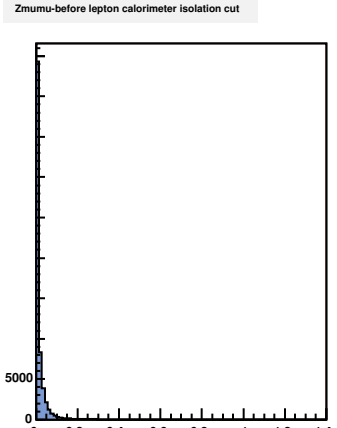
data-after lepton calorimeter isolation cut



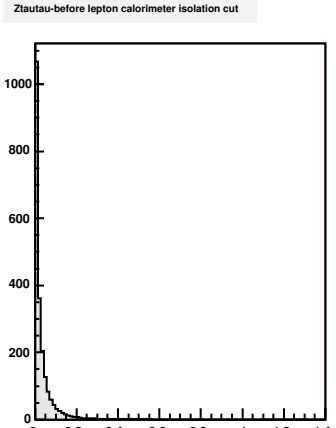
Zee-before lepton calorimeter isolation cut



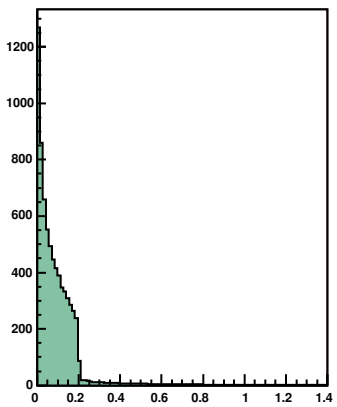
Zmumu-before lepton calorimeter isolation cut



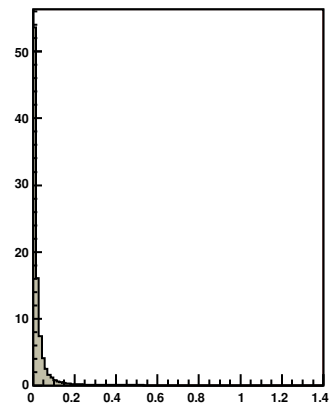
Ztautau-before lepton calorimeter isolation cut



fake-before lepton calorimeter isolation cut



WZ-before lepton calorimeter isolation cut



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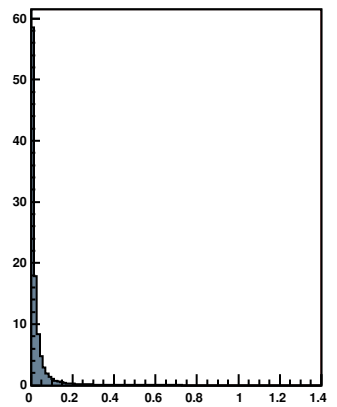

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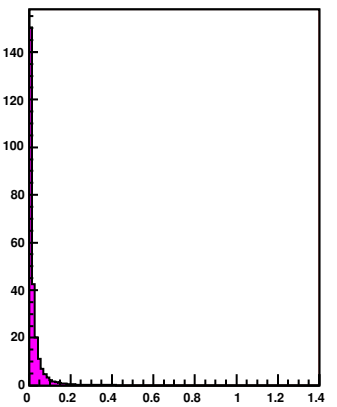

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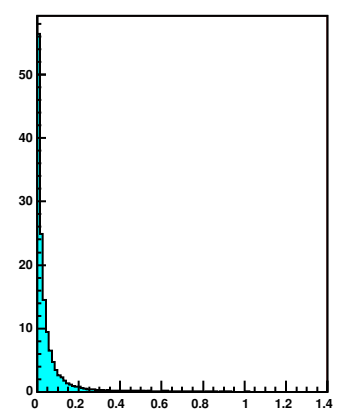
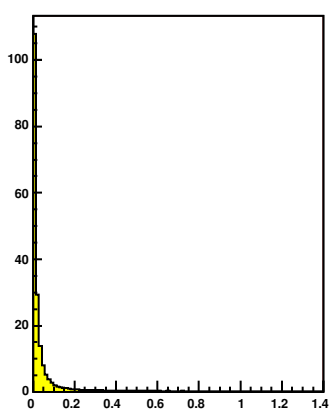
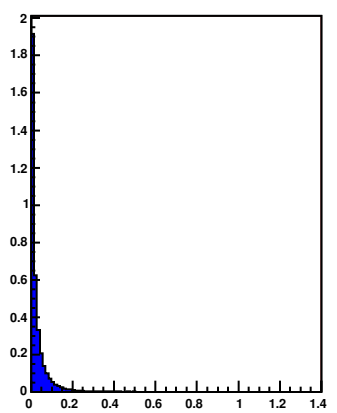


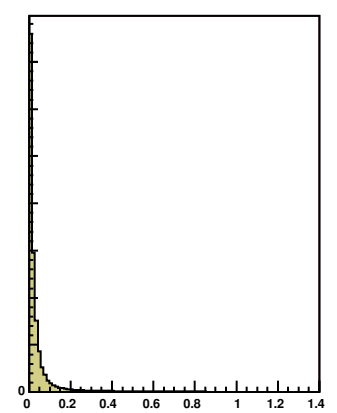
ttbar-before lepton calorimeter isolation cut



higgsww-before lepton calorimeter isolation cut



data-before lepton calorimeter isolation cut



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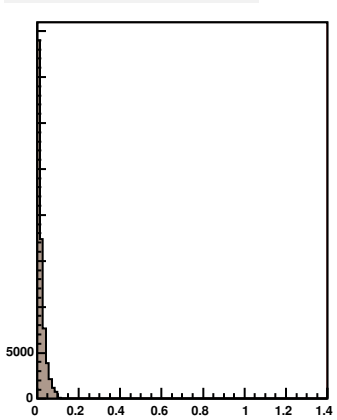
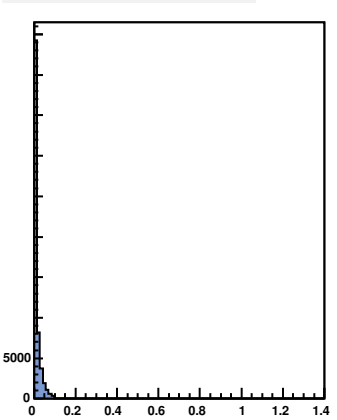
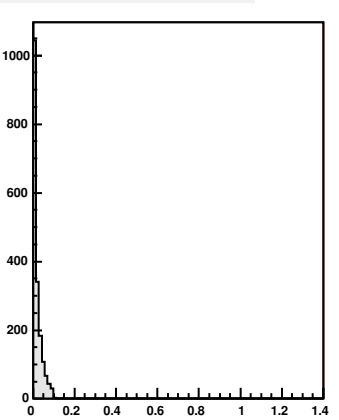


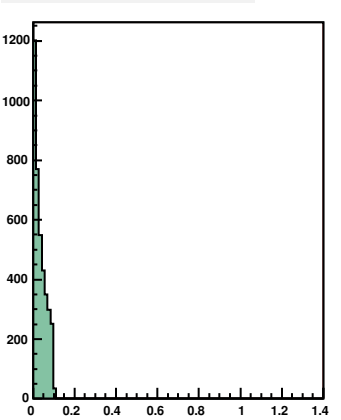
Zmumu-after lepton calorimeter isolation cut



Ztautau-after lepton calorimeter isolation cut



fake-after lepton calorimeter isolation cut



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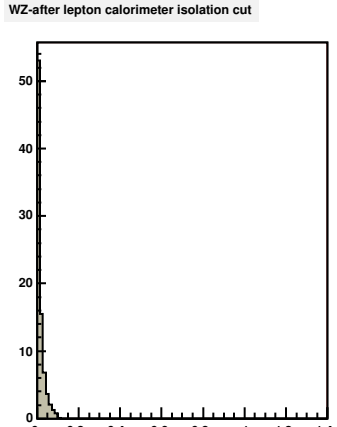

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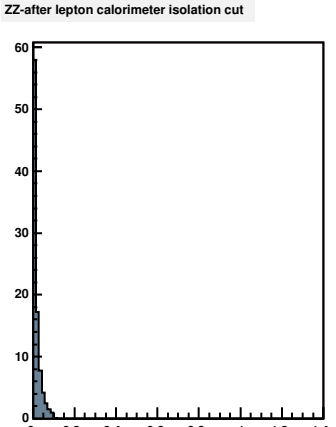

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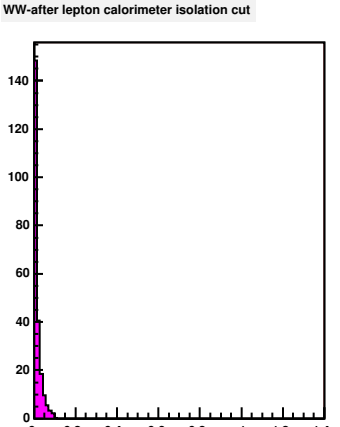
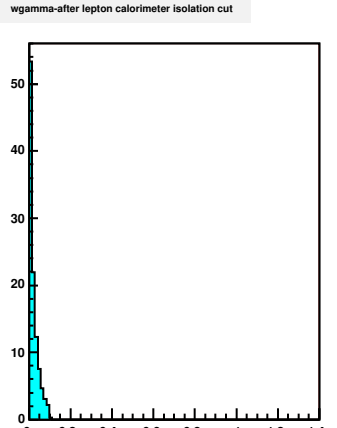
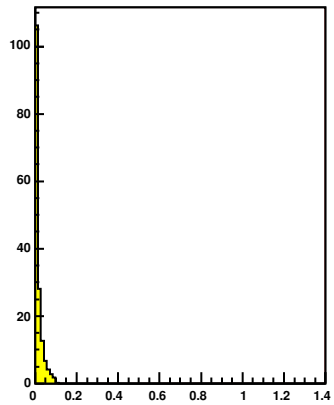


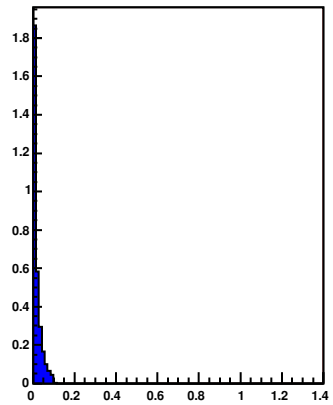
wgamma-after lepton calorimeter isolation cut



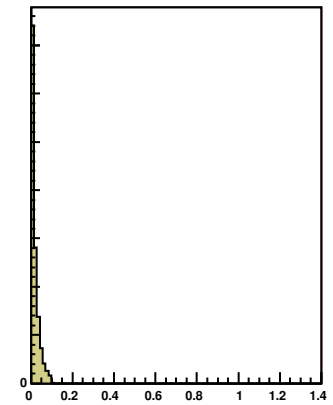
ttbar-after lepton calorimeter isolation cut



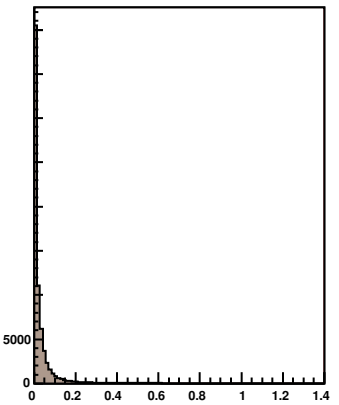
higgsww-after lepton calorimeter isolation cut



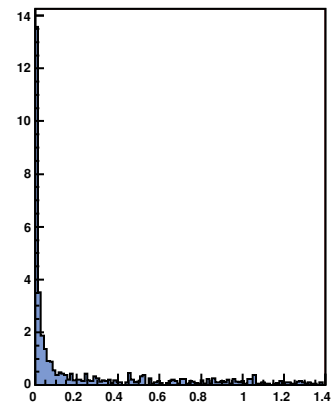
data-after lepton calorimeter isolation cut



Zee-TCE Trk Isolation



Zmumu-TCE Trk Isolation



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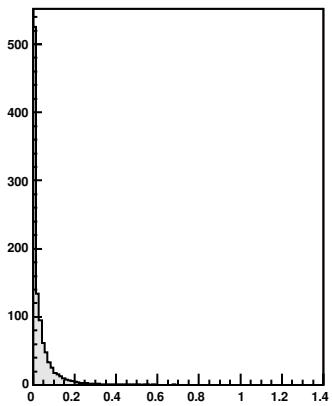

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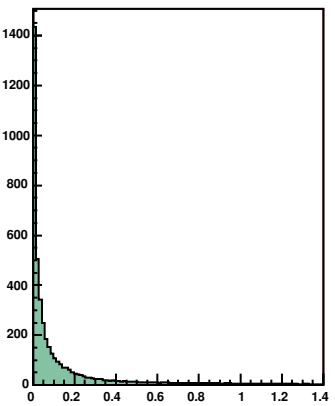

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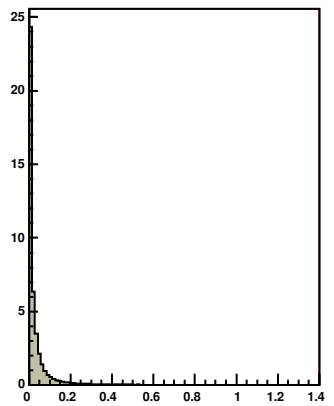

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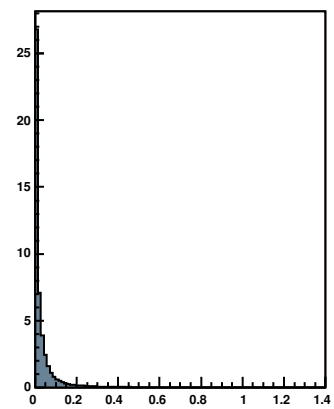

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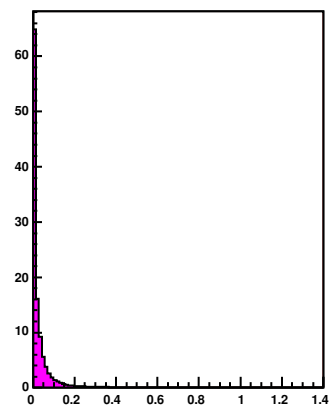

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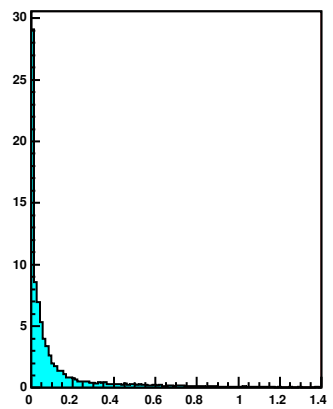
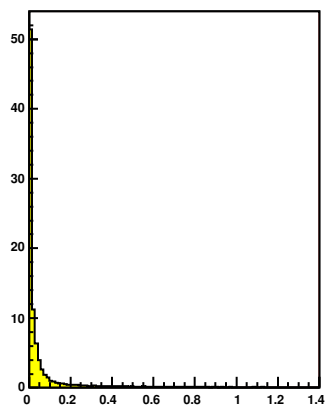
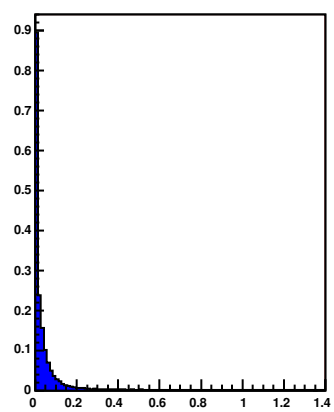


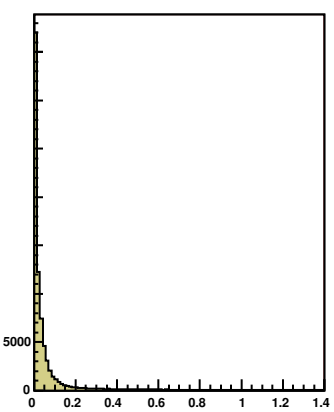
ttbar-TCE Trk Isolation



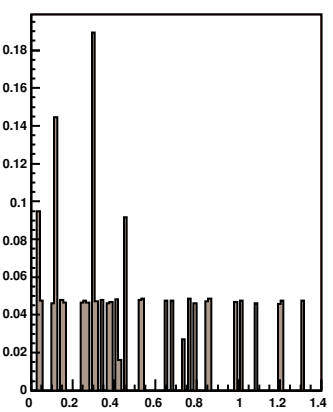
higgsww-TCE Trk Isolation



data-TCE Trk Isolation



Zee-CMUP Trk Isolation



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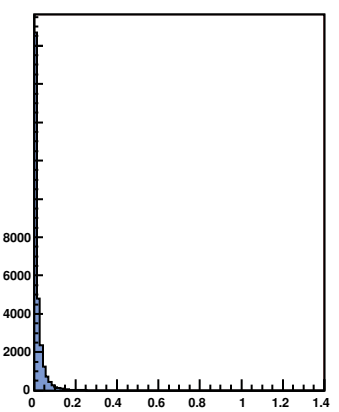

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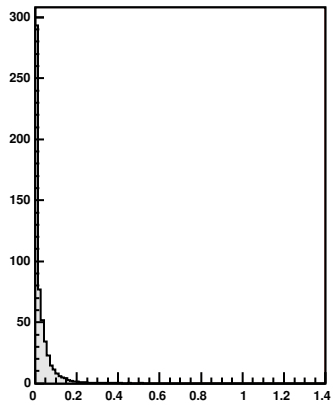
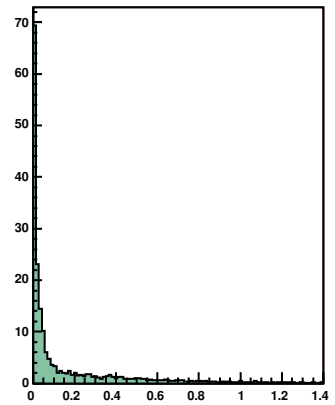


fake-CMUP Trk Isolation



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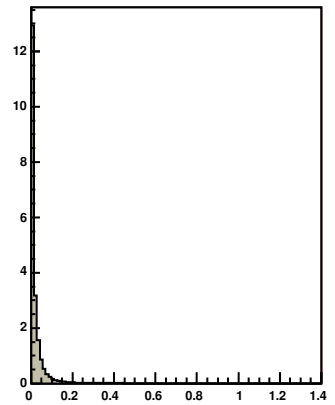

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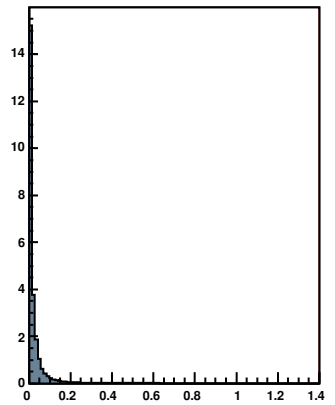

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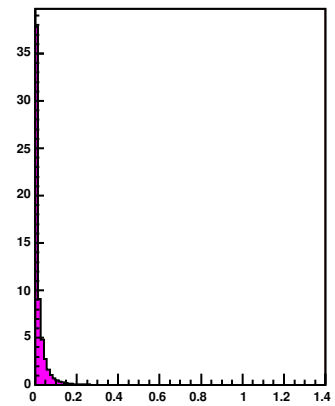

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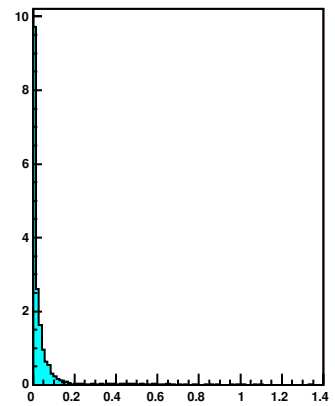

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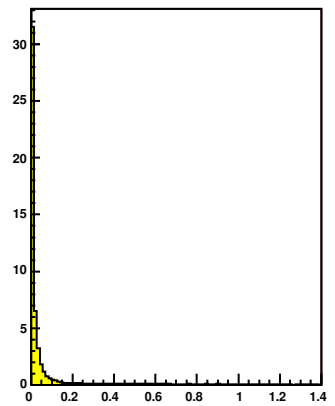
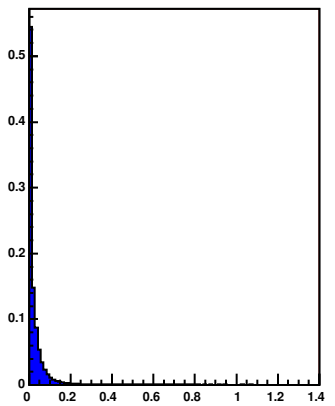


higgsww-CMUP Trk Isolation



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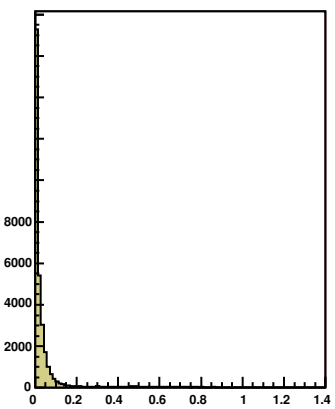

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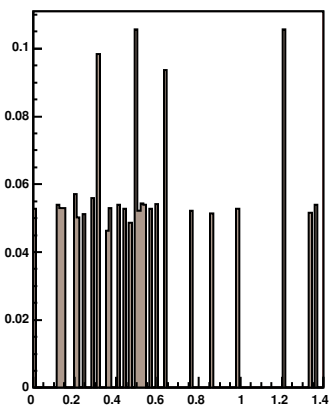

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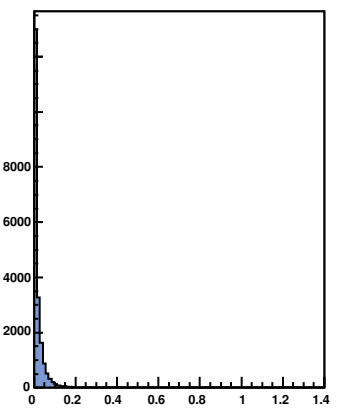

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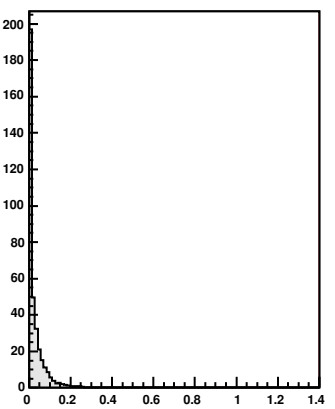

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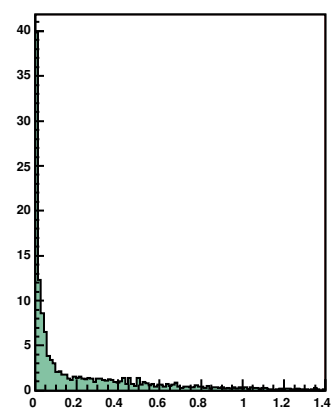

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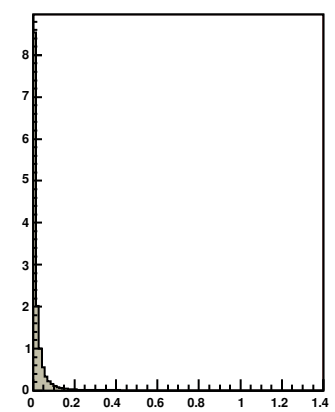

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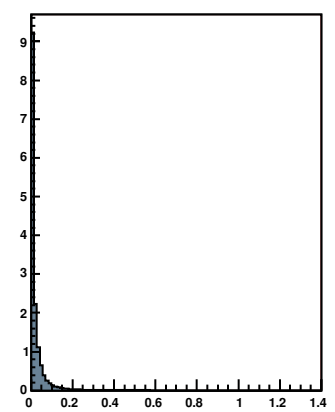

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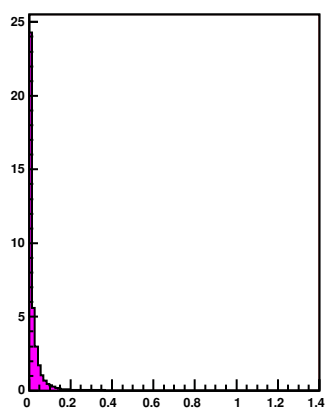
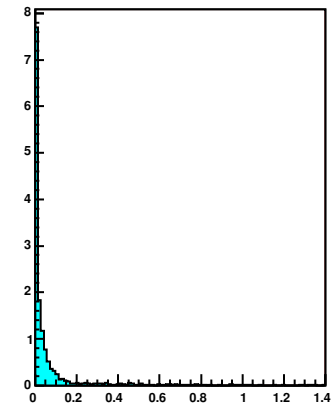
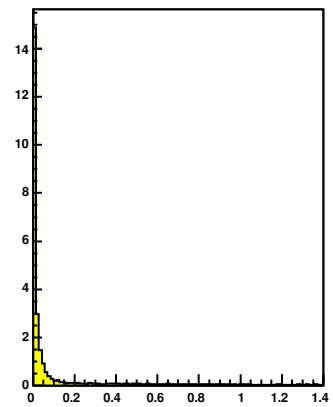


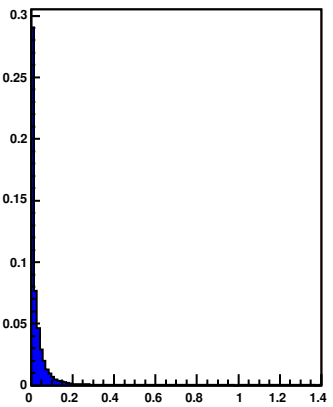
wgamma-CMX Trk Isolation



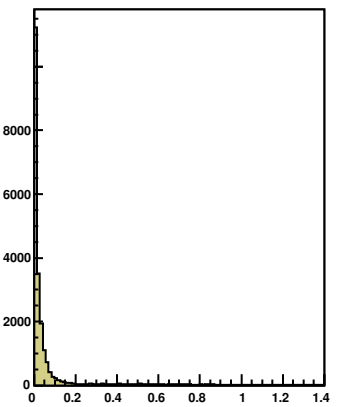
ttbar-CMX Trk Isolation



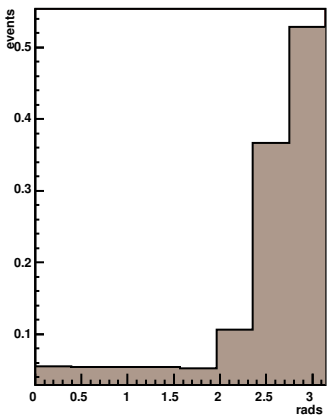
higgsww-CMX Trk Isolation



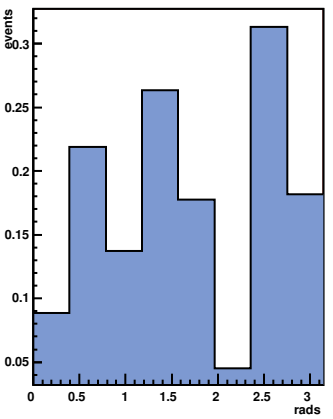
data-CMX Trk Isolation



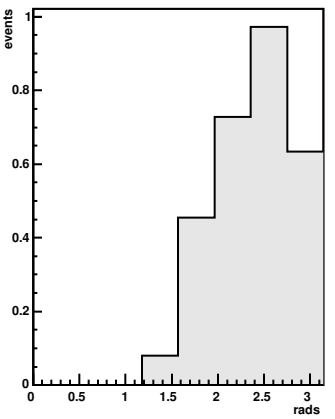
Zee-lepton angular separation



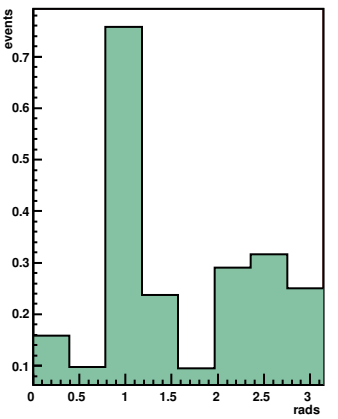
Zmumu-lepton angular separation



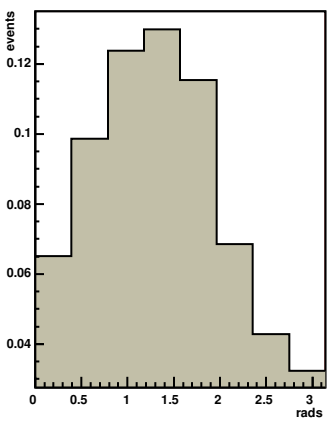
Ztautau-lepton angular separation



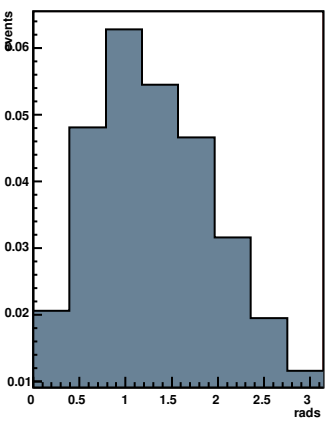
fake-lepton angular separation



WZ-lepton angular separation



ZZ-lepton angular separation



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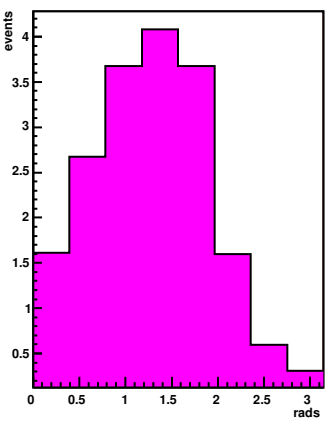

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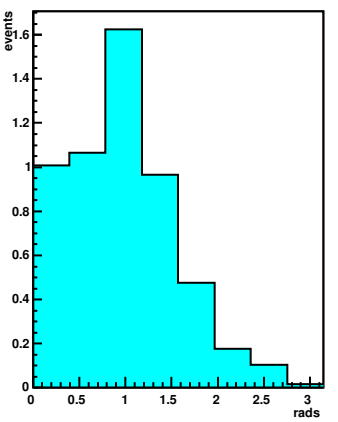

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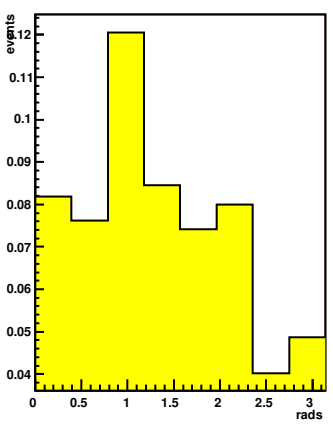
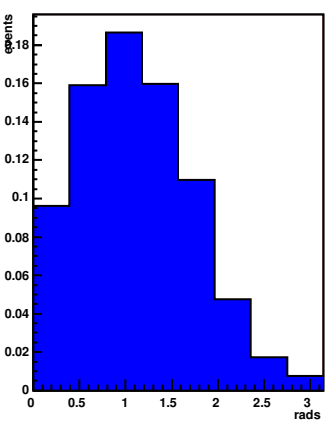


higgsww-lepton angular separation



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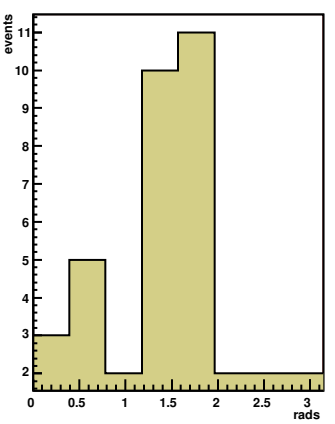
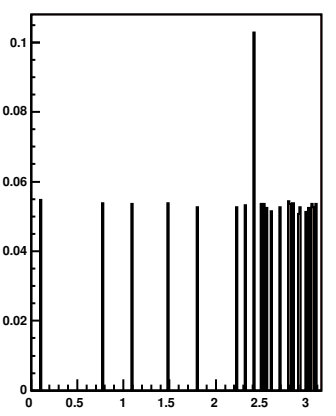


Zee-dildphi in ALLfor like



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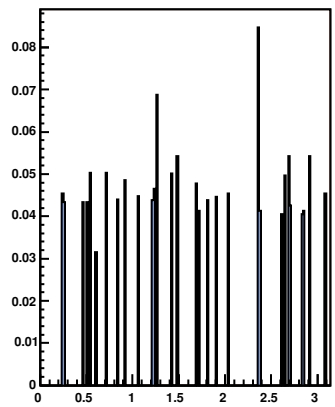

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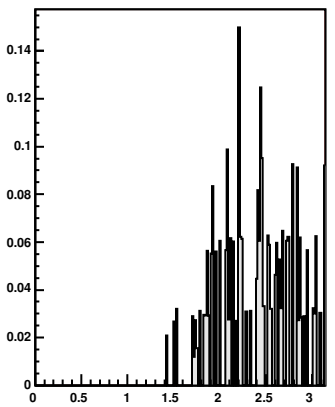

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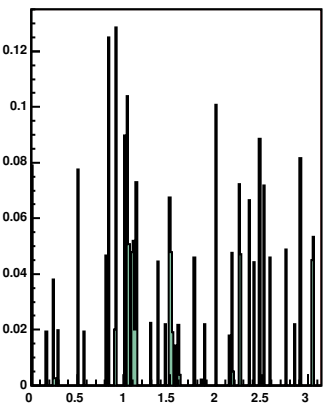

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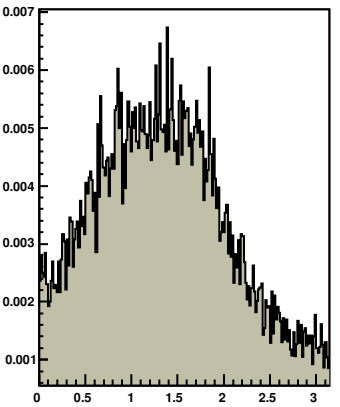

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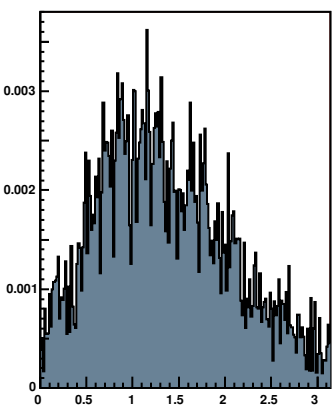

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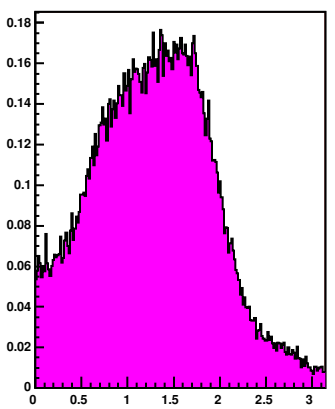

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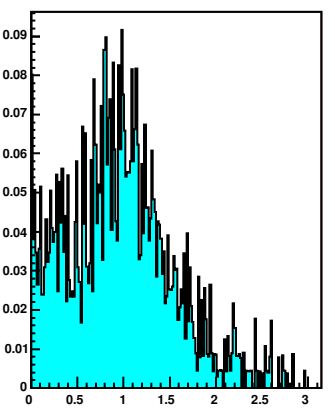

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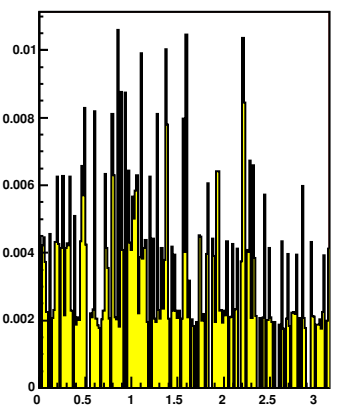

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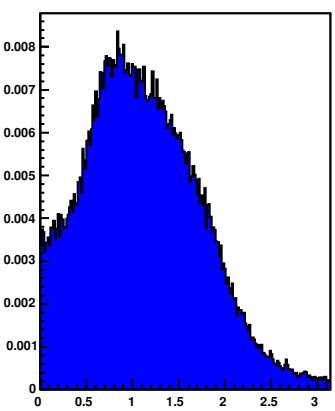

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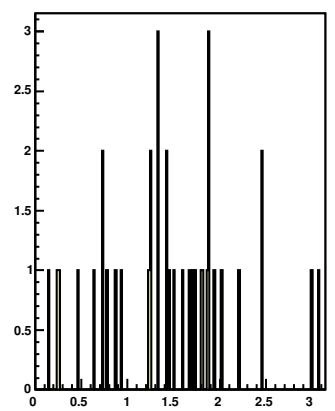
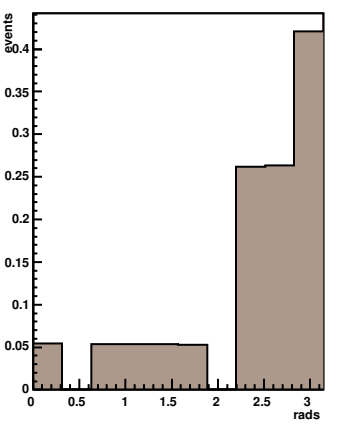


Zee-lepton angular separation of electrons



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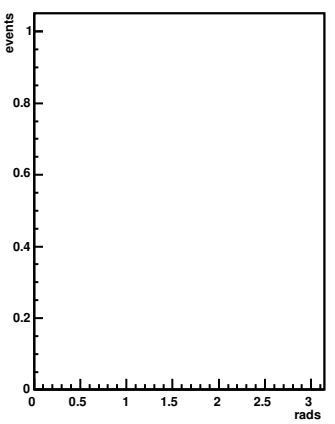

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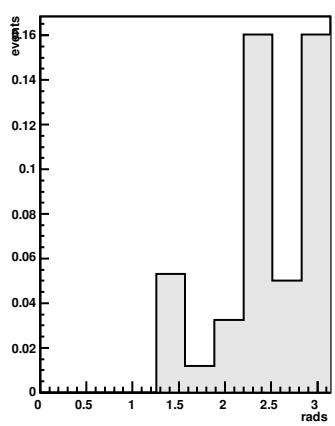

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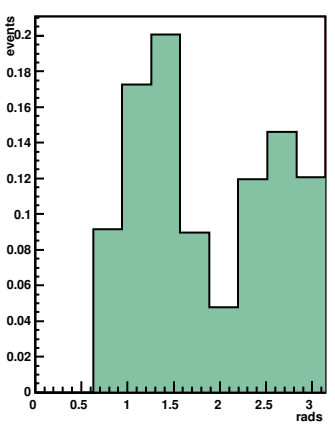
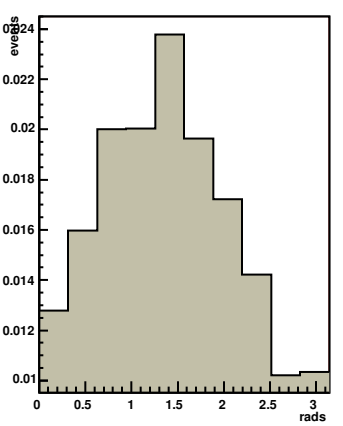
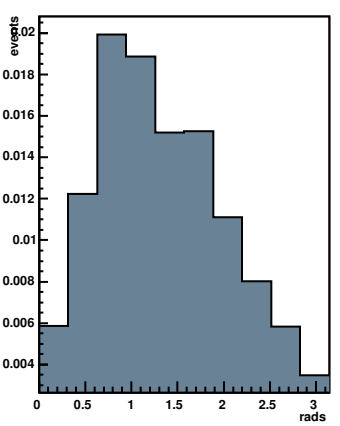


WZ-lepton angular separation of electrons



ZZ-lepton angular separation of electrons



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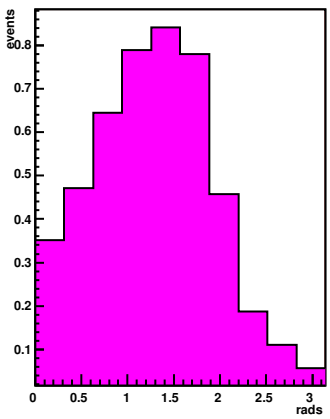
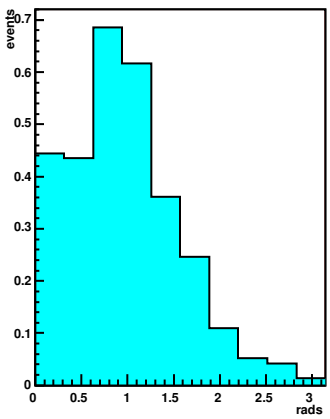
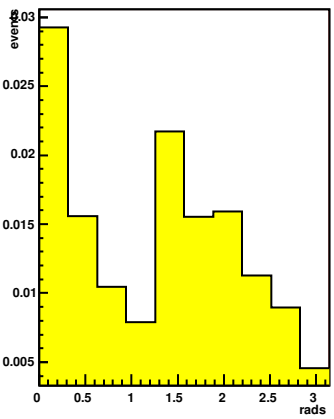


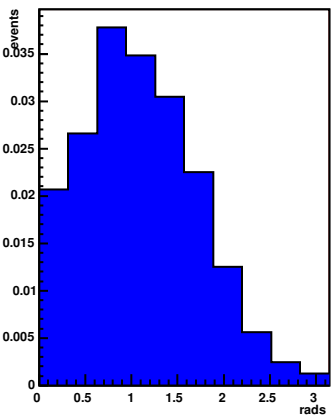
wgamma-lepton angular separation of electrons



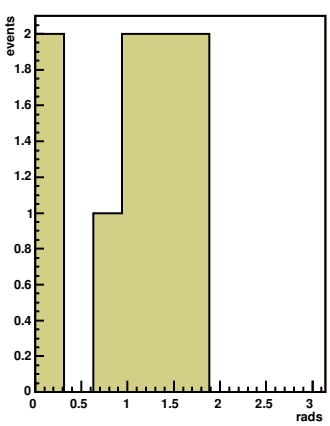
ttbar-lepton angular separation of electrons



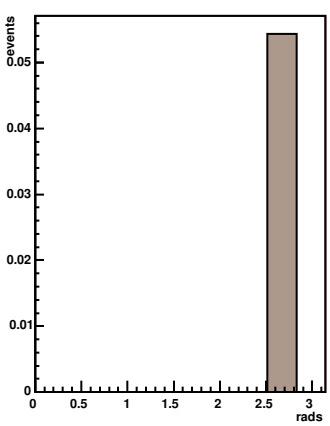
higgsww-lepton angular separation of electrons



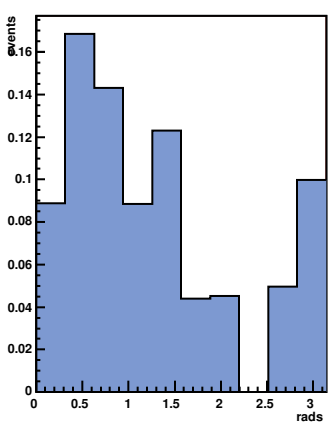
data-lepton angular separation of electrons



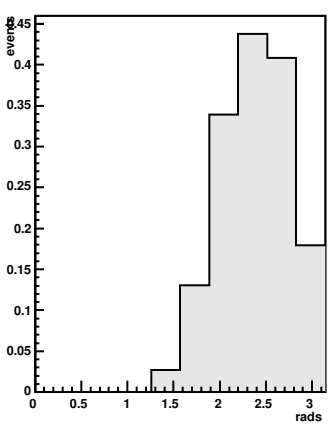
Zee-lepton angular separation of muon and electron



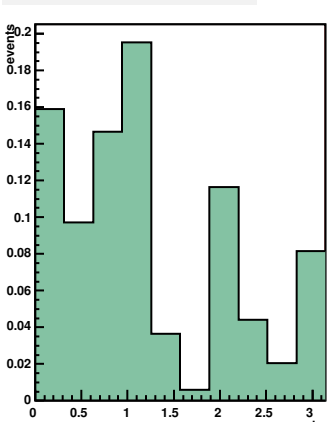
Zmumu-lepton angular separation of muon and electron



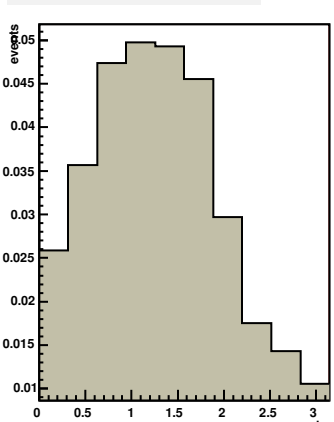
Ztautau-lepton angular separation of muon and electron



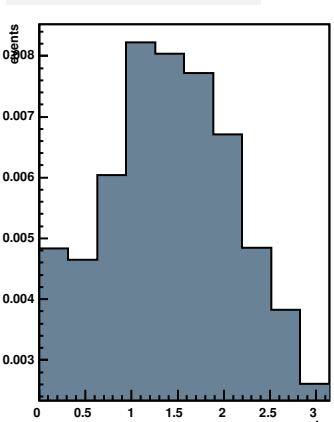
fake-lepton angular separation of muon and electron



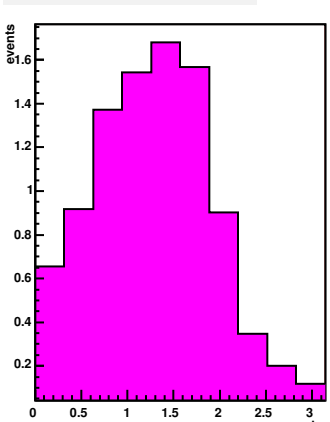
WZ-lepton angular separation of muon and electron



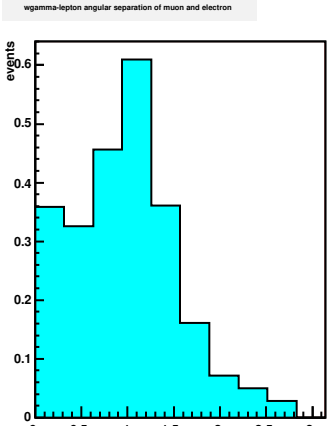
ZZ-lepton angular separation of muon and electron



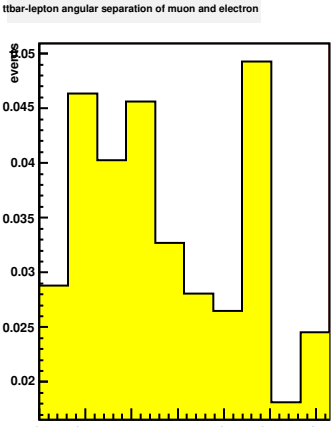
WW-lepton angular separation of muon and electron



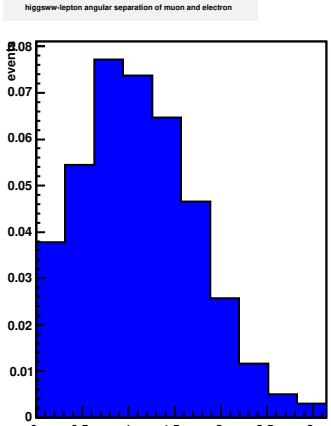
wgamma-lepton angular separation of muon and electron



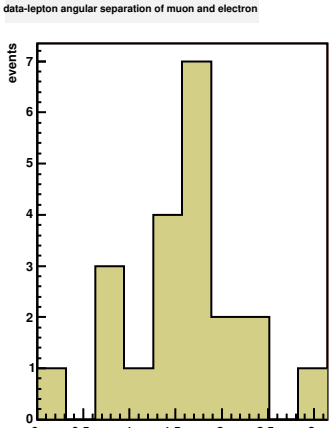
ttbar-lepton angular separation of muon and electron



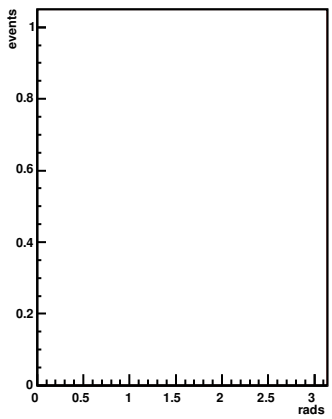
higgsww-lepton angular separation of muon and electron



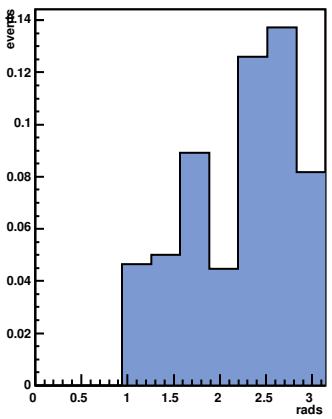
data-lepton angular separation of muon and electron



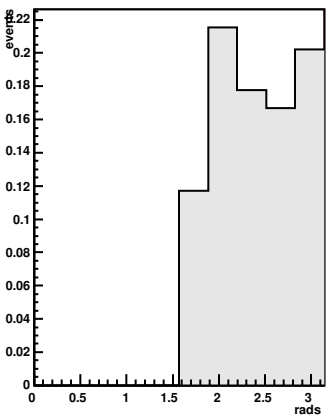
Zee-lepton angular separation of muons



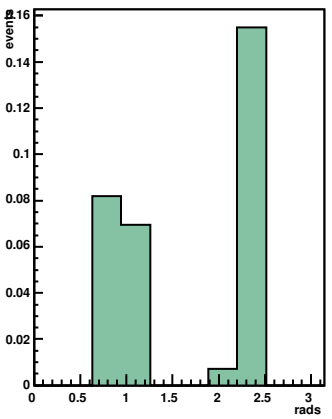
Zmumu-lepton angular separation of muons



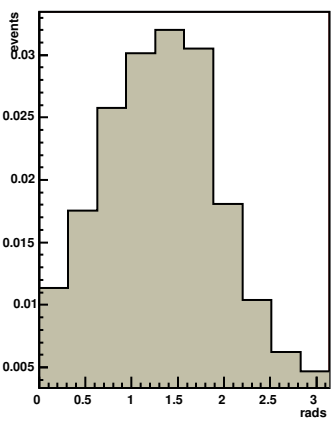
Ztautau-lepton angular separation of muons



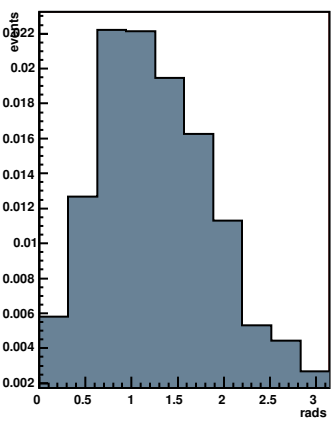
fake-lepton angular separation of muons



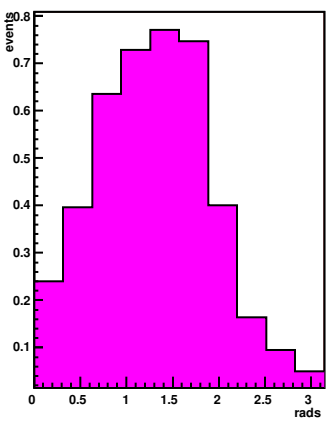
WZ-lepton angular separation of muons



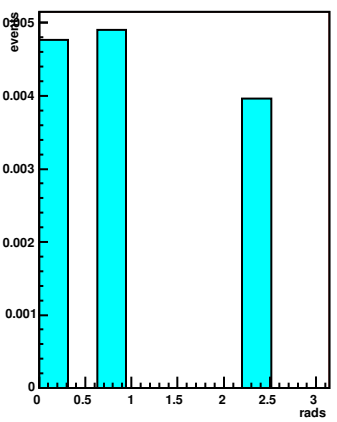
ZZ-lepton angular separation of muons



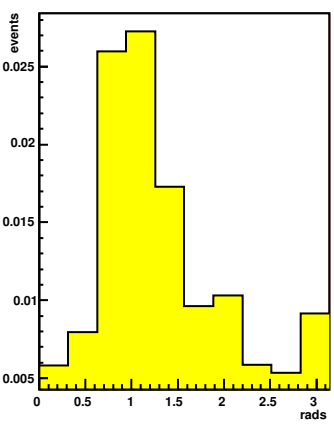
WW-lepton angular separation of muons



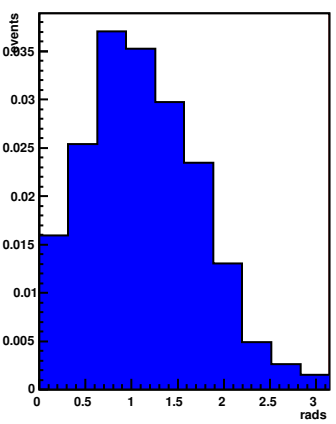
wgamma-lepton angular separation of muons



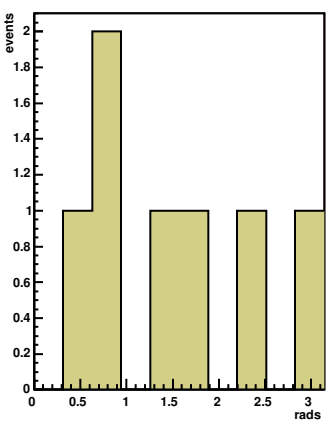
ttbar-lepton angular separation of muons



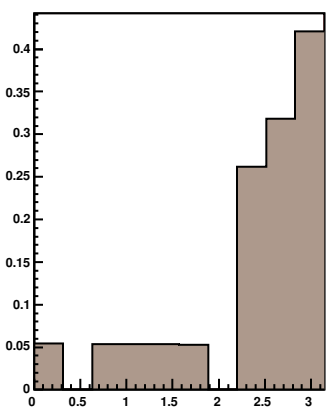
higgsww-lepton angular separation of muons



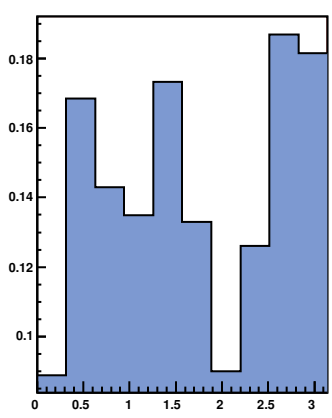
data-lepton angular separation of muons



Zee-dildphi in ALL



Zmumu-dildphi in ALL



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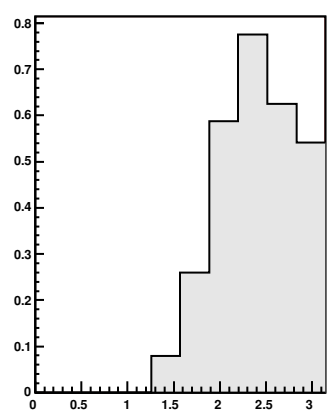
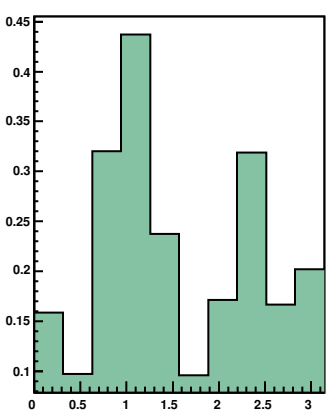
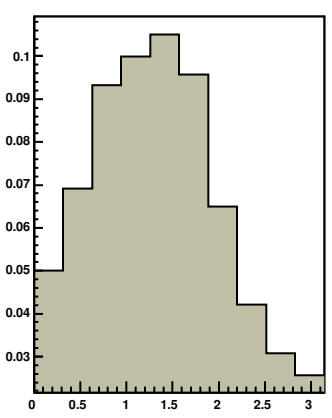


fake-dildphi in ALL



WZ-dildphi in ALL



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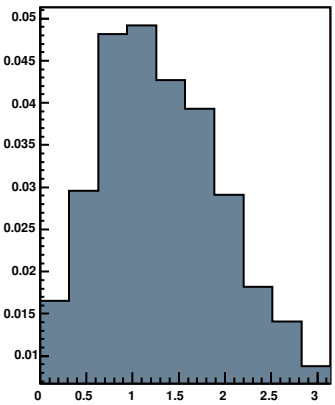

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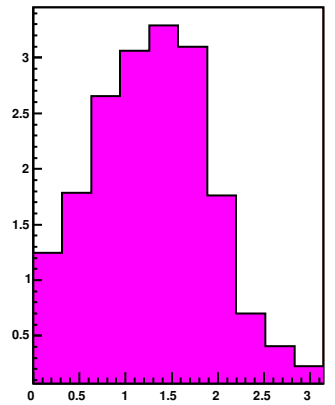

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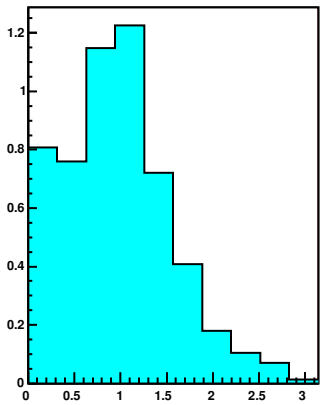

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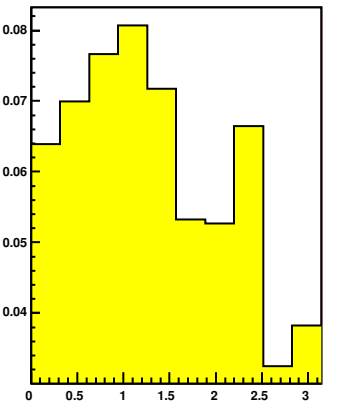

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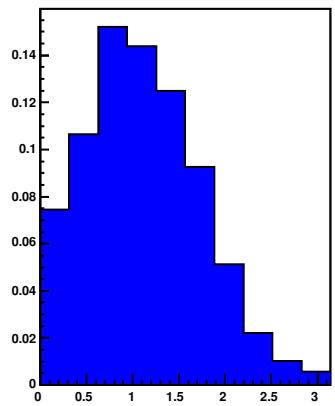

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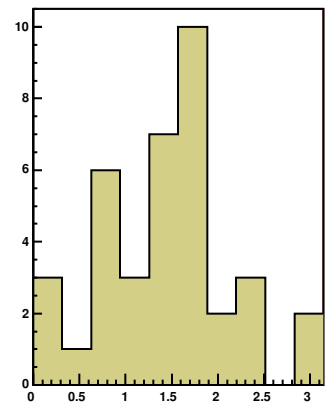

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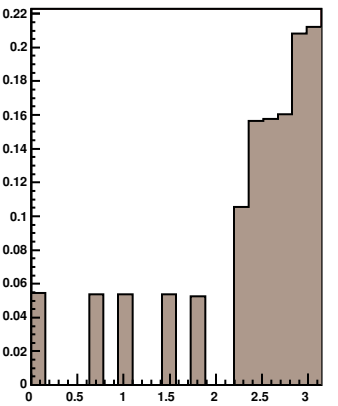

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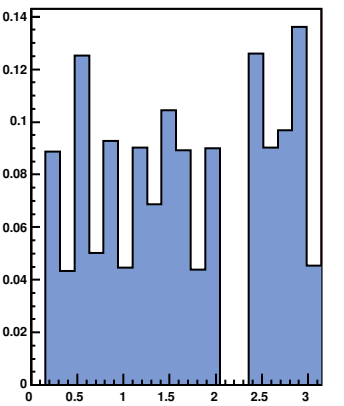

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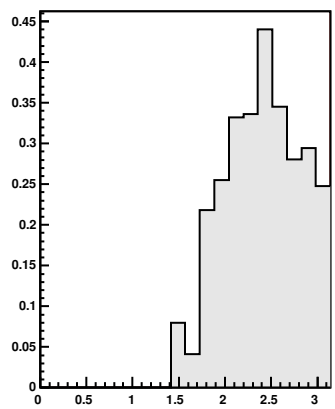

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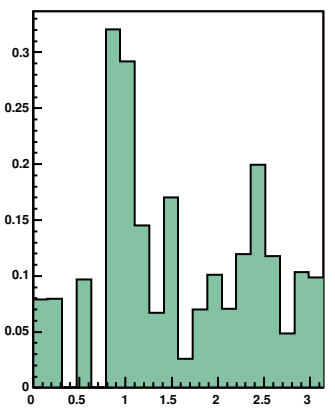

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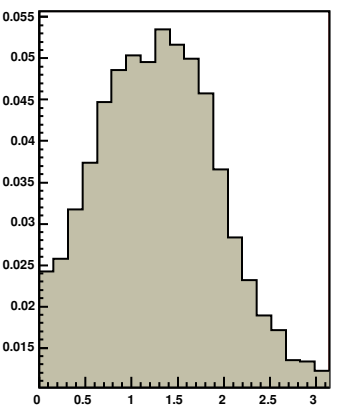

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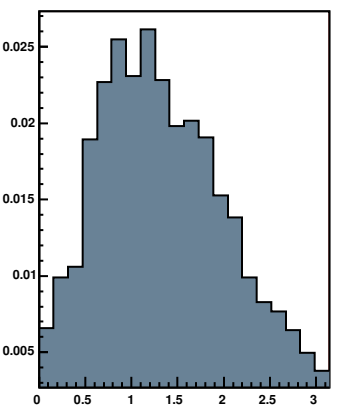

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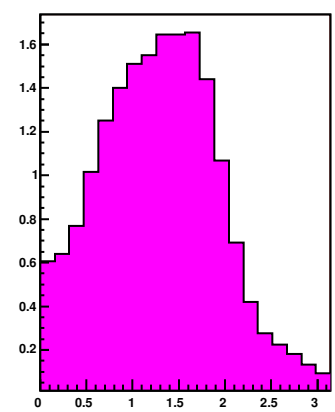

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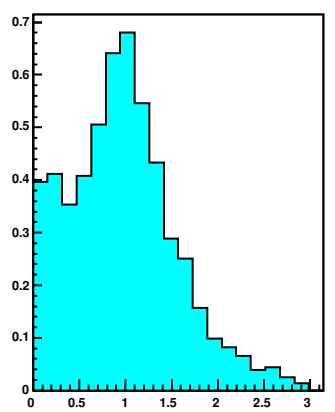

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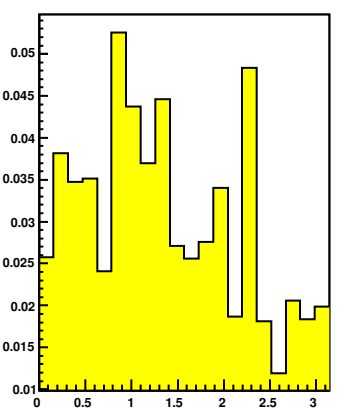
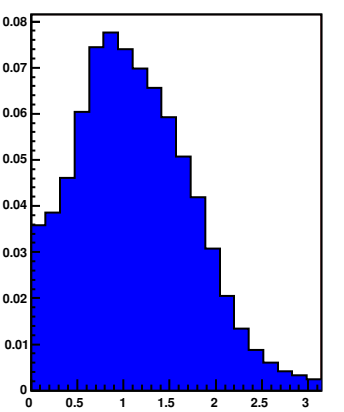


higgsww-dildphi in ALL



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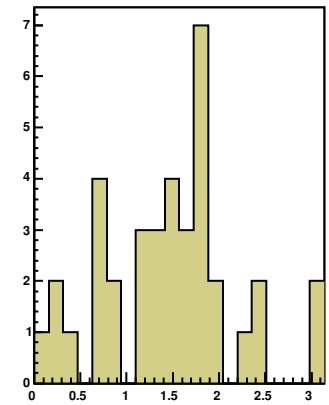
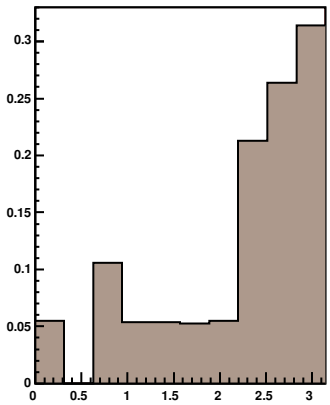
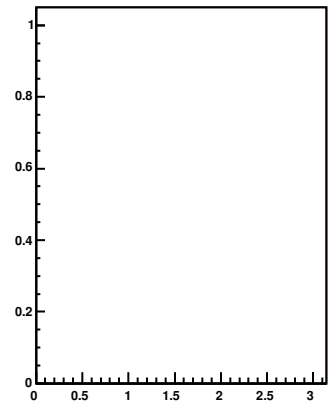


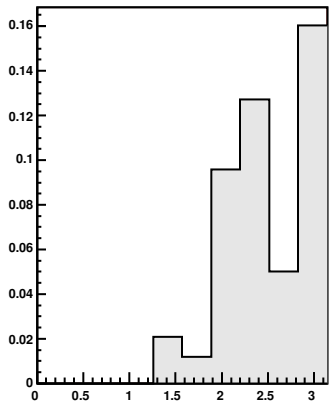
Zee-dphi of electrons, high JES



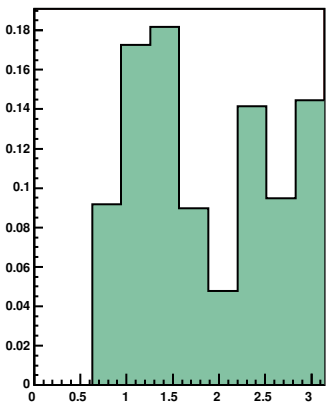
Zmumu-dphi of electrons, high JES



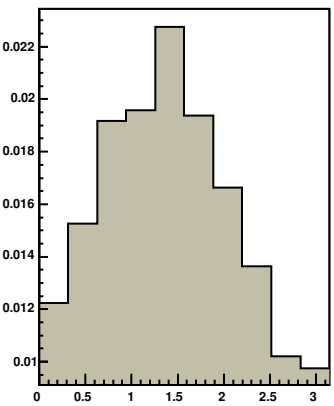
Ztautau-dphi of electrons, high JES



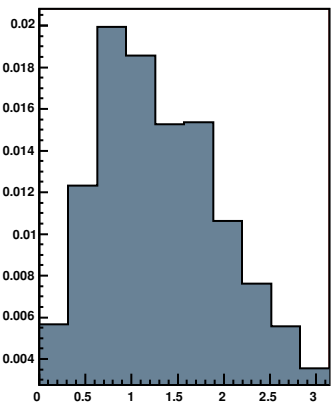
fake-dphi of electrons, high JES



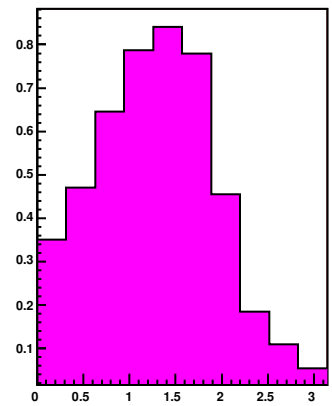
WZ-dphi of electrons, high JES



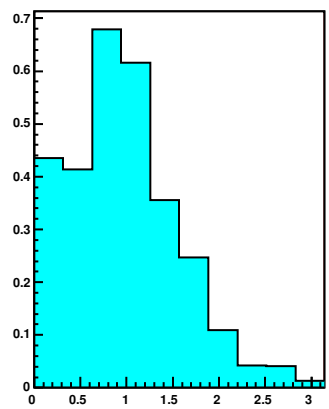
ZZ-dphi of electrons, high JES



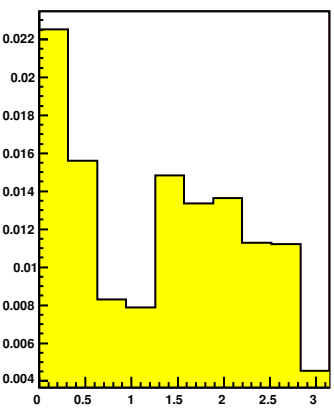
WW-dphi of electrons, high JES



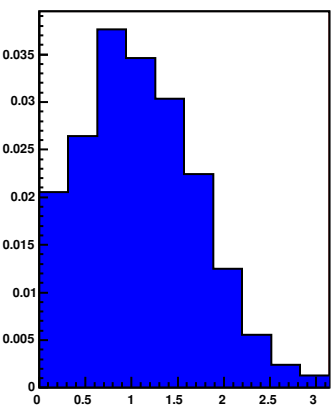
wgamma-dphi of electrons, high JES



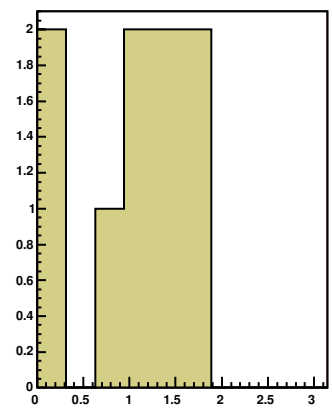
ttbar-dphi of electrons, high JES



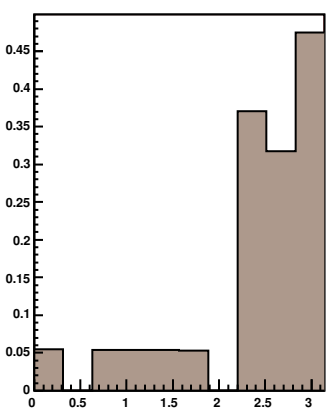
higgsww-dphi of electrons, high JES



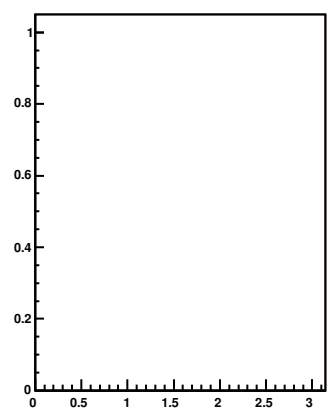
data-dphi of electrons, high JES



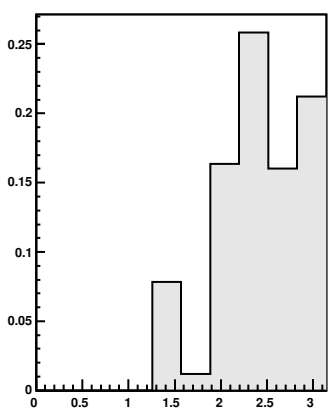
Zee-dphi of electrons, low JES



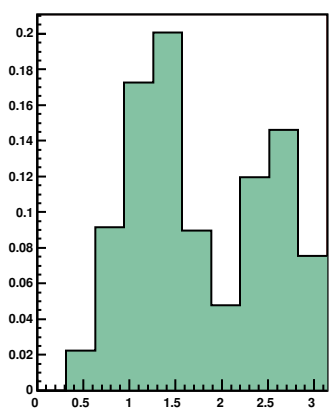
Zmumu-dphi of electrons, low JES



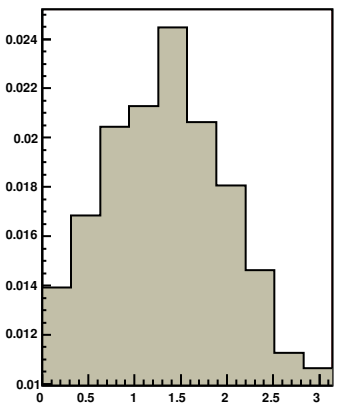
Ztautau-dphi of electrons, low JES



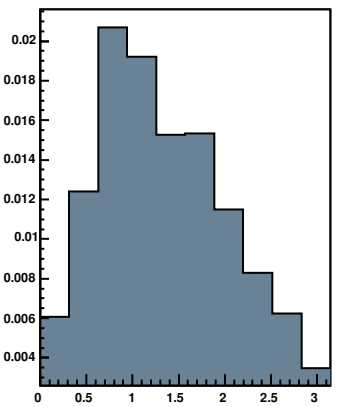
fake-dphi of electrons, low JES



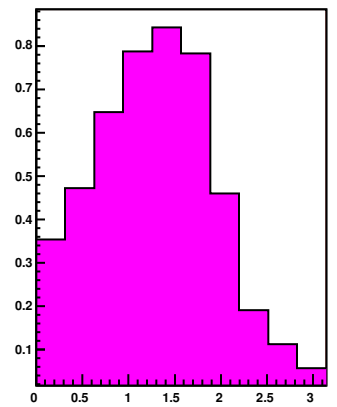
WZ-dphi of electrons, low JES



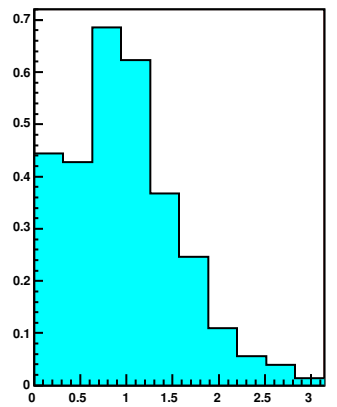
ZZ-dphi of electrons, low JES



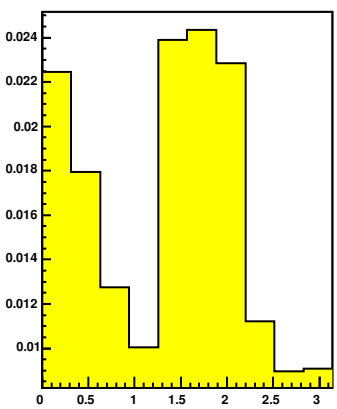
WW-dphi of electrons, low JES



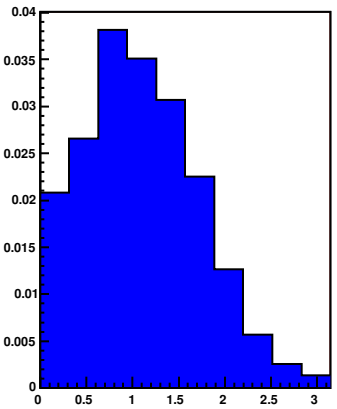
wgamma-dphi of electrons, low JES



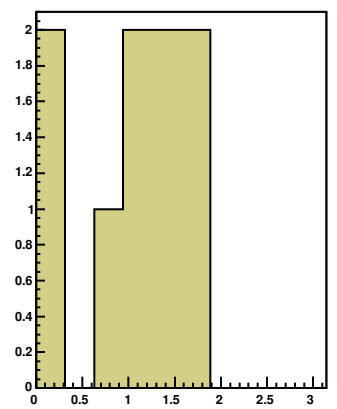
ttbar-dphi of electrons, low JES



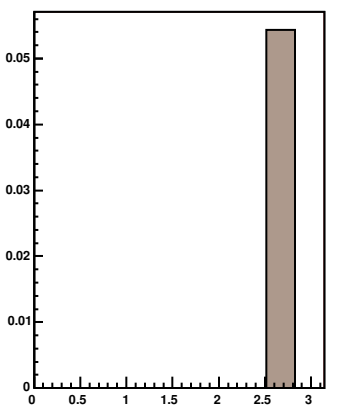
higgsww-dphi of electrons, low JES



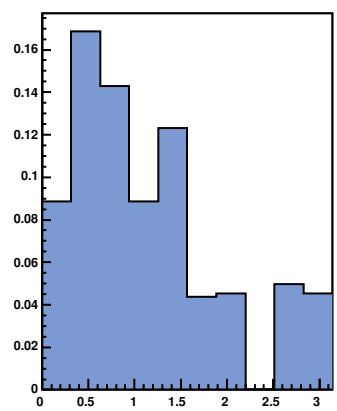
data-dphi of electrons, low JES



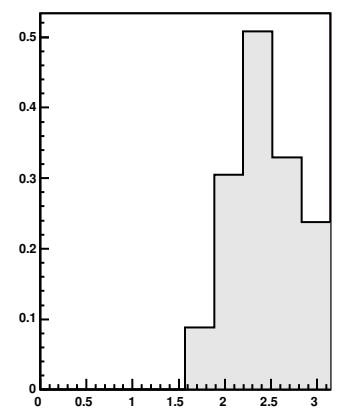
Zee-dphi of electron and muon, high JES



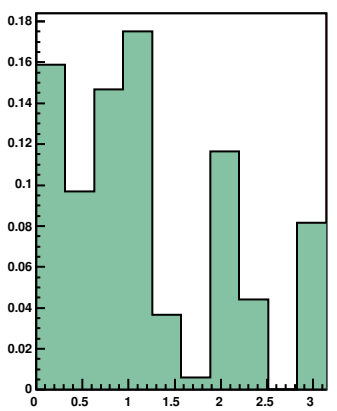
Zmumu-dphi of electron and muon, high JES



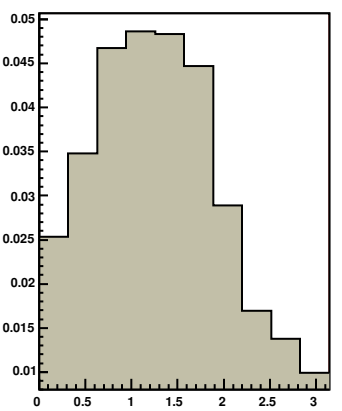
Ztautau-dphi of electron and muon, high JES



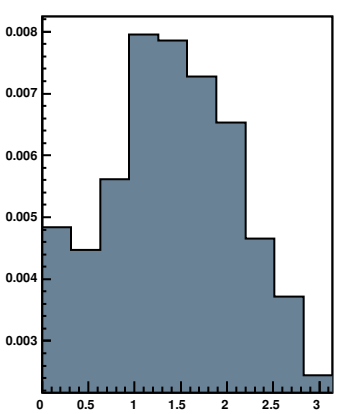
fake-dphi of electron and muon, high JES



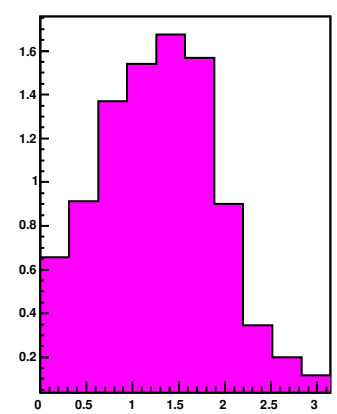
WZ-dphi of electron and muon, high JES



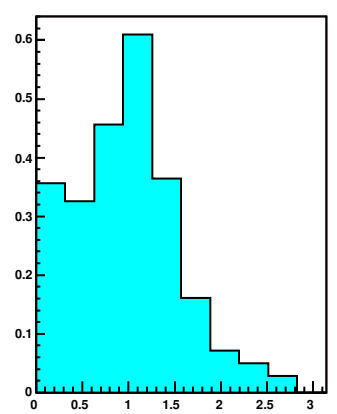
ZZ-dphi of electron and muon, high JES



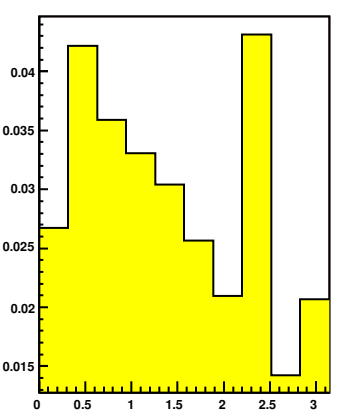
WW-dphi of electron and muon, high JES



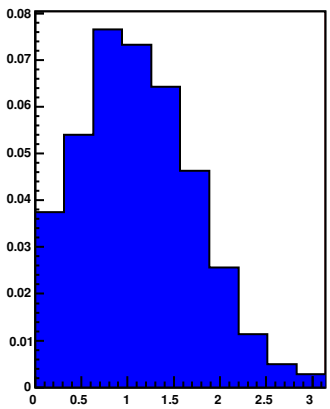
wgamma-dphi of electron and muon, high JES



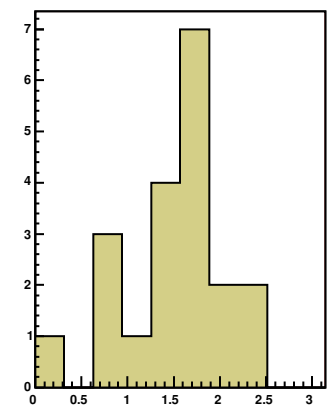
ttbar-dphi of electron and muon, high JES



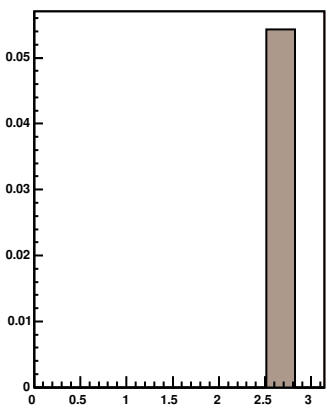
higgsww-dphi of electron and muon, high JES



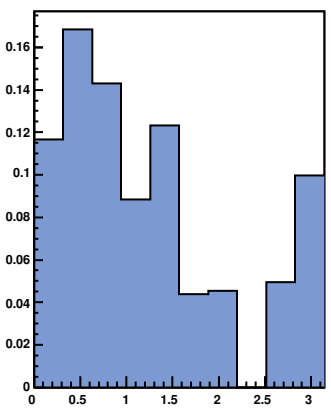
data-dphi of electron and muon, high JES



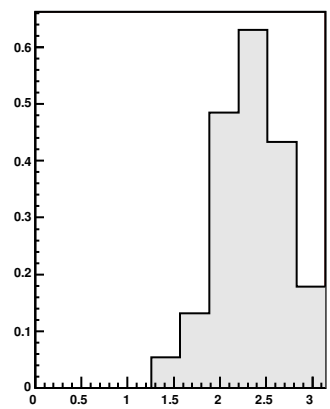
Zee-dphi of electron and muon, low JES



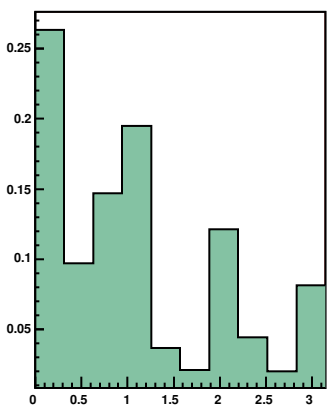
Zmumu-dphi of electron and muon, low JES



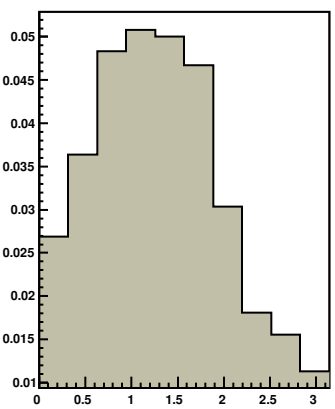
Ztautau-dphi of electron and muon, low JES



fake-dphi of electron and muon, low JES



WZ-dphi of electron and muon, low JES



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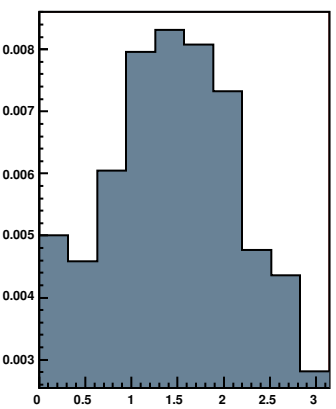

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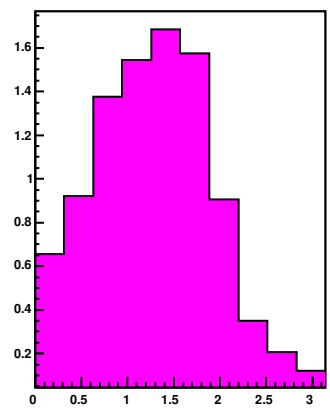

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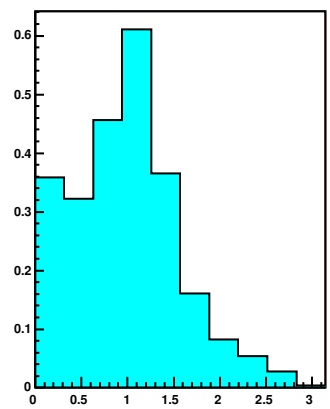

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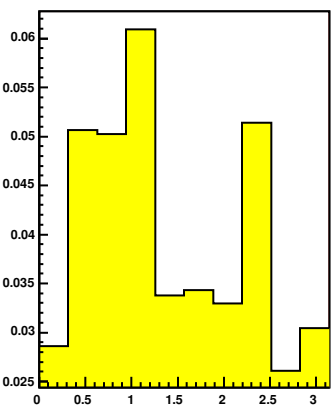
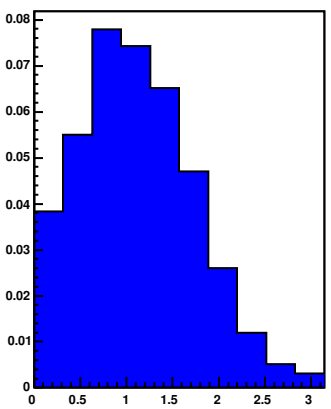
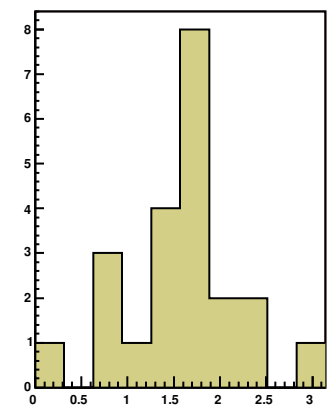


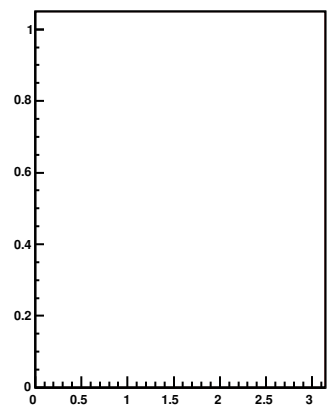
higgsww-dphi of electron and muon, low JES



data-dphi of electron and muon, low JES



Zee-dphi of muons, high JES



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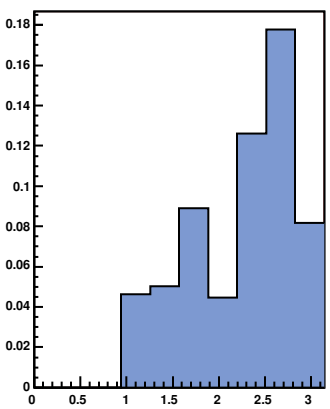
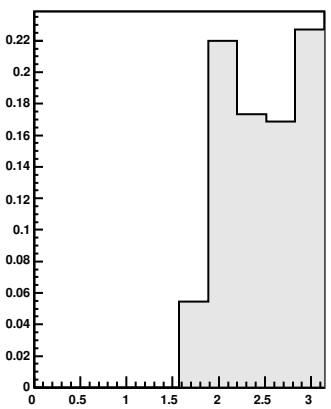
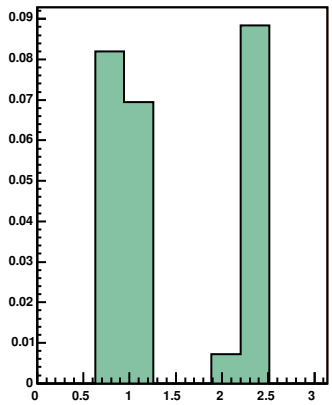


Ztautau-dphi of muons, high JES



fake-dphi of muons, high JES



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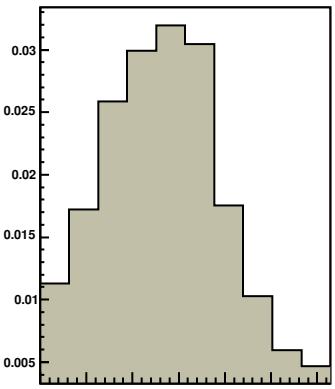

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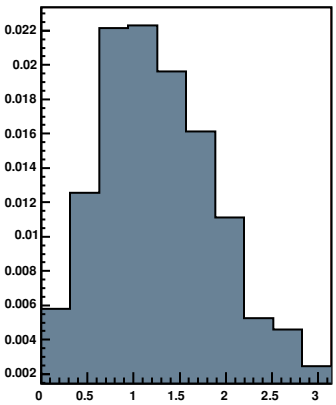

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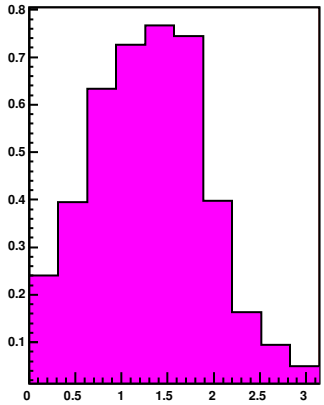

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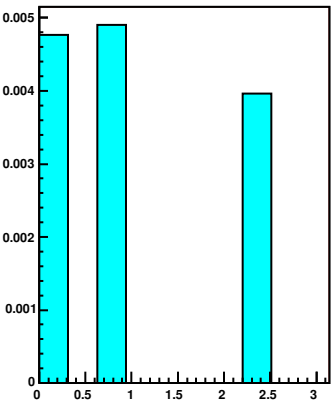

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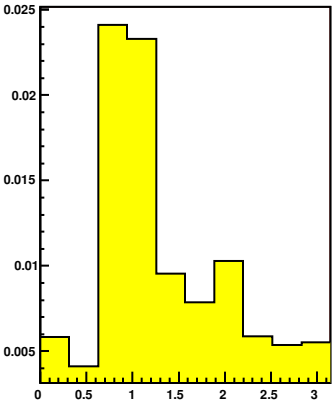
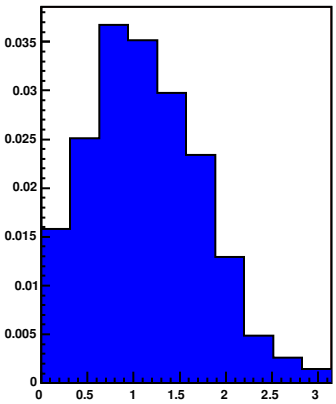
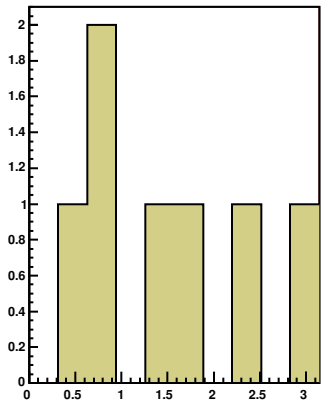


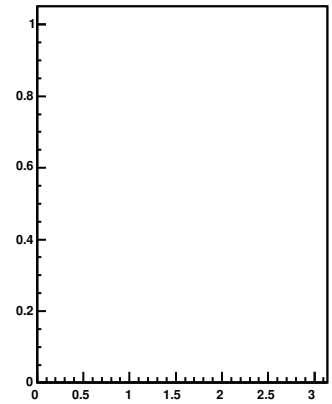
higgsww-dphi of muons, high JES



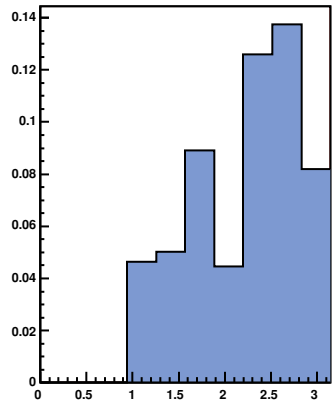
data-dphi of muons, high JES



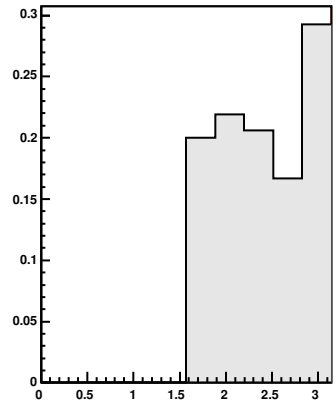
Zee-dphi of muons, low JES



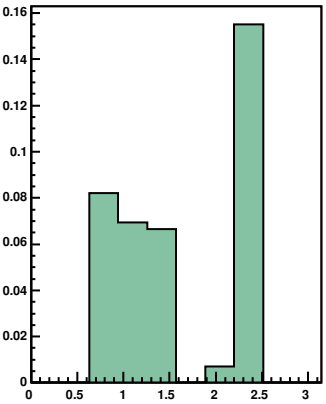
Zmumu-dphi of muons, low JES



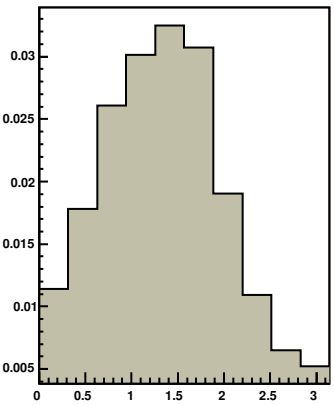
Ztautau-dphi of muons, low JES



fake-dphi of muons, low JES



WZ-dphi of muons, low JES



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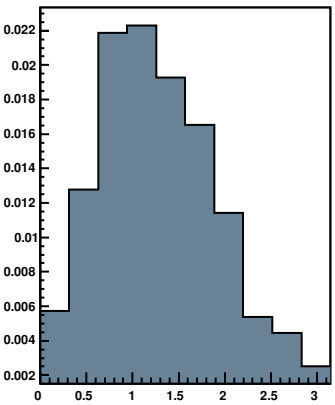

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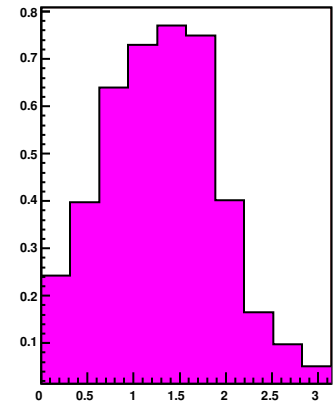
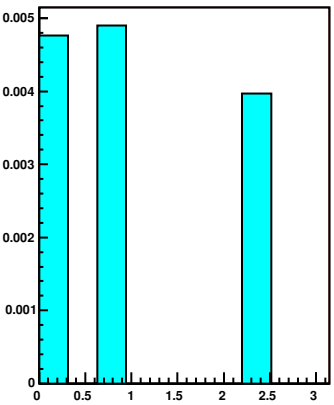
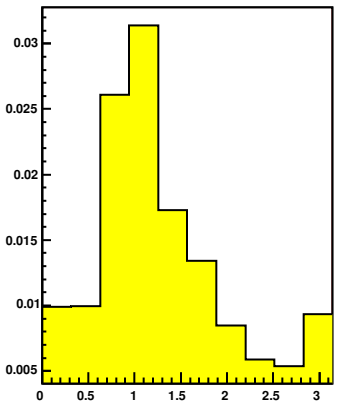


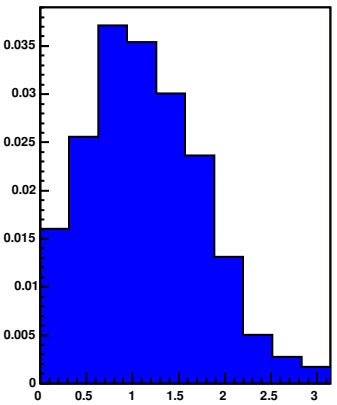
wgamma-dphi of muons, low JES



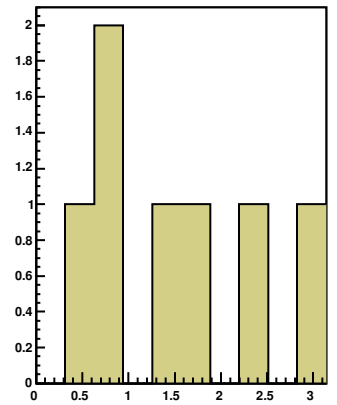
ttbar-dphi of muons, low JES



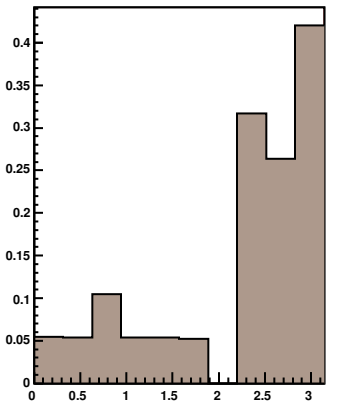
higgsww-dphi of muons, low JES



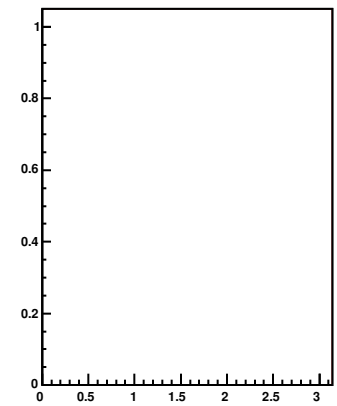
data-dphi of muons, low JES



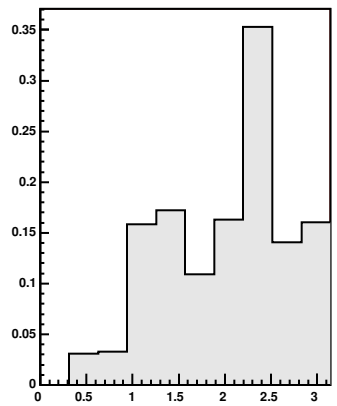
Zee-dphi of electrons, high LES



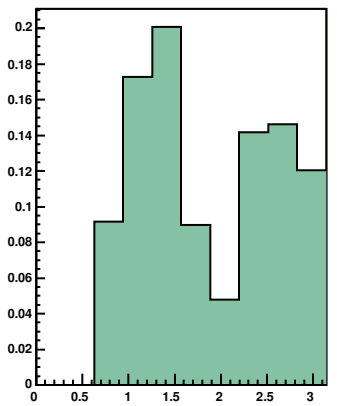
Zmumu-dphi of electrons, high LES



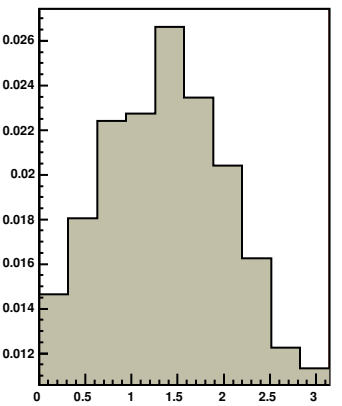
Ztautau-dphi of electrons, high LES



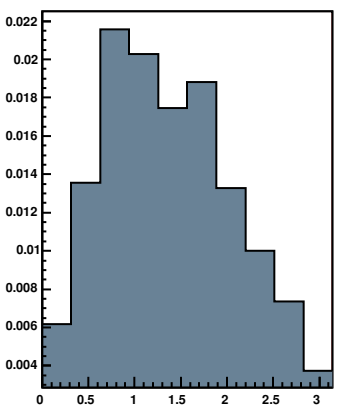
fake-dphi of electrons, high LES



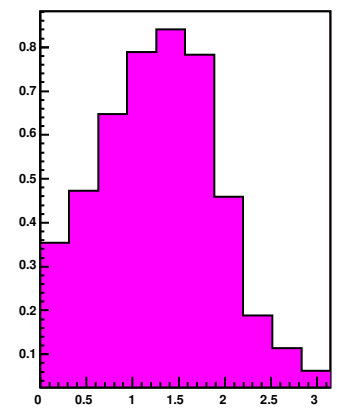
WZ-dphi of electrons, high LES



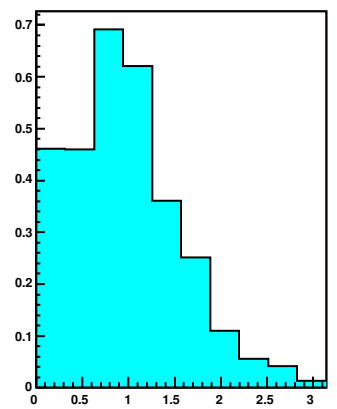
ZZ-dphi of electrons, high LES



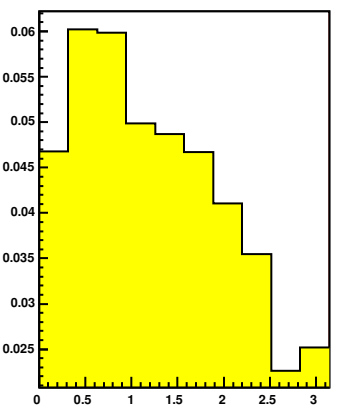
WW-dphi of electrons, high LES



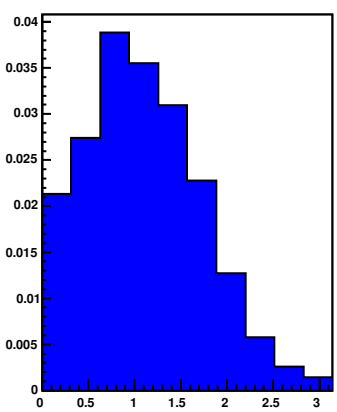
wgamma-dphi of electrons, high LES



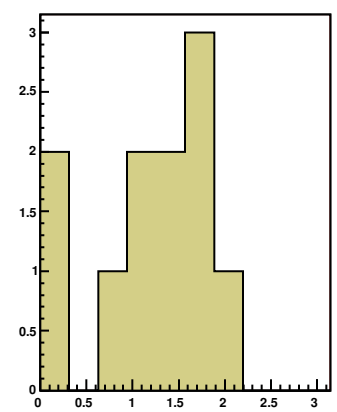
ttbar-dphi of electrons, high LES



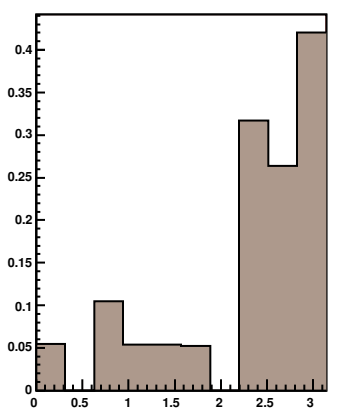
higgsww-dphi of electrons, high LES



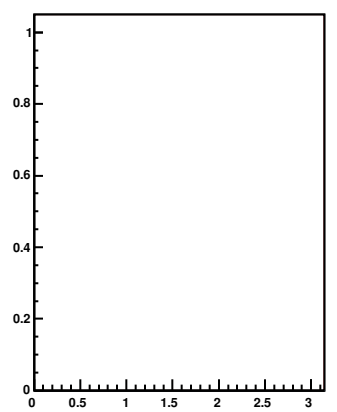
data-dphi of electrons, high LES



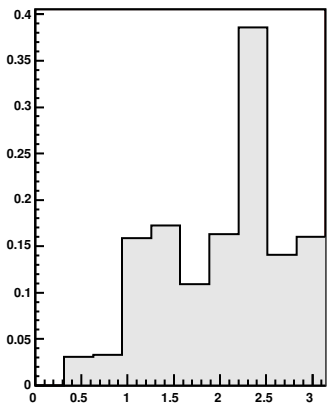
Zee-dphi of electrons, low LES



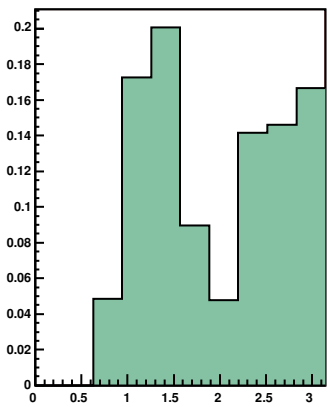
Zmumu-dphi of electrons, low LES



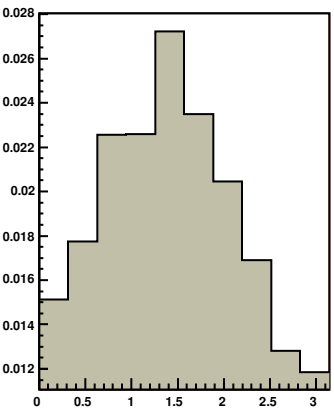
Ztautau-dphi of electrons, low LES



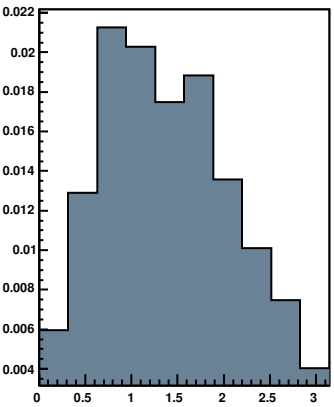
fake-dphi of electrons, low LES



WZ-dphi of electrons, low LES



ZZ-dphi of electrons, low LES



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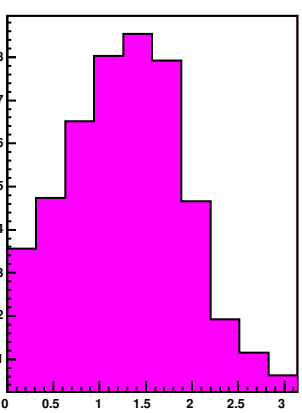
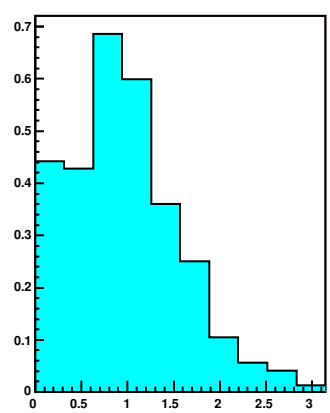
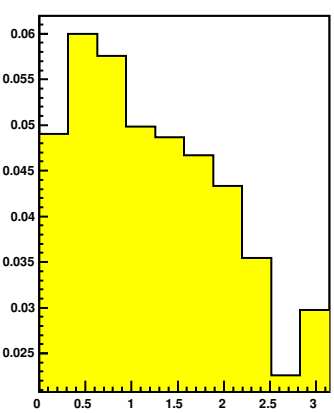


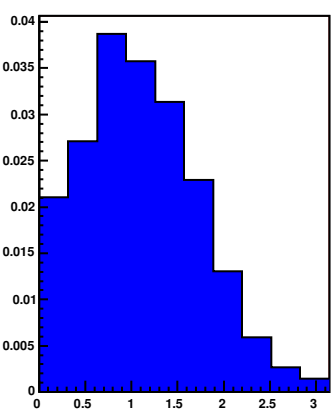
wgamma-dphi of electrons, low LES



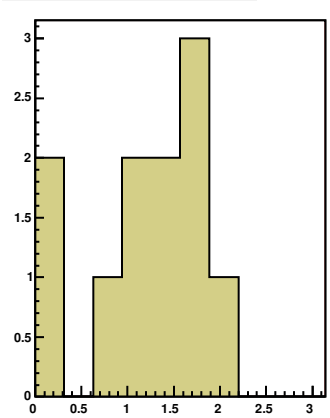
ttbar-dphi of electrons, low LES



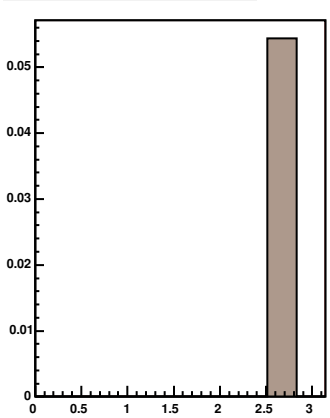
higgsww-dphi of electrons, low LES



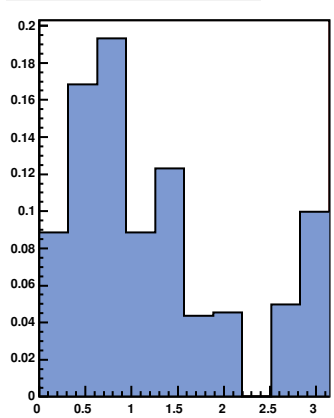
data-dphi of electrons, low LES



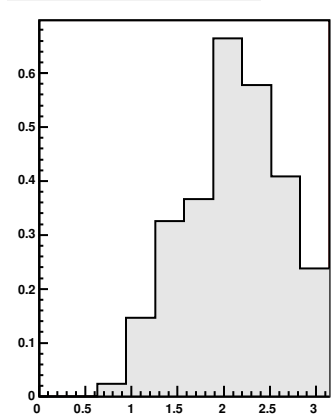
Zee-dphi of electron and muon, high LES



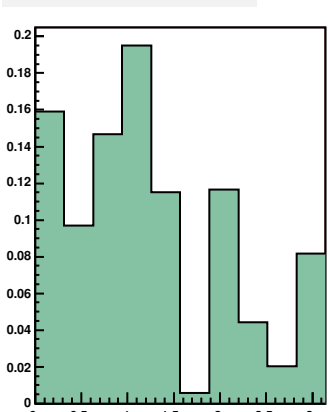
Zmumu-dphi of electron and muon, high LES



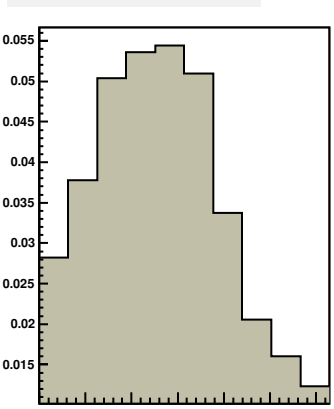
Ztautau-dphi of electron and muon, high LES



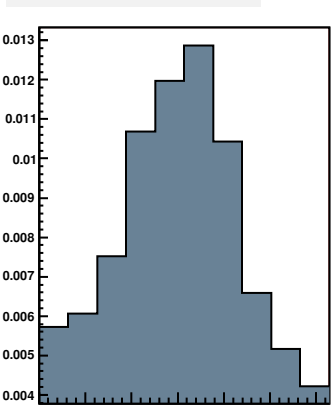
fake-dphi of electron and muon, high LES



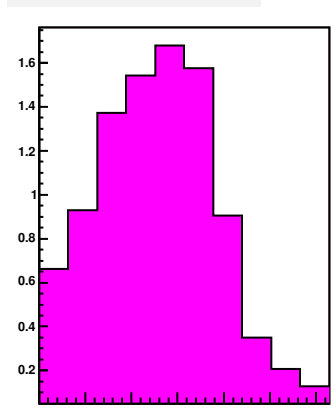
WZ-dphi of electron and muon, high LES



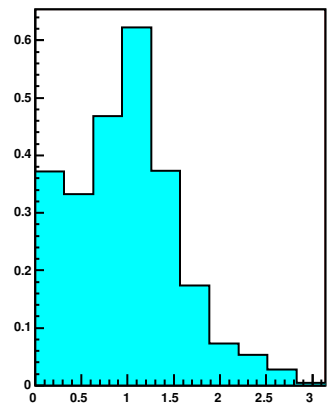
ZZ-dphi of electron and muon, high LES



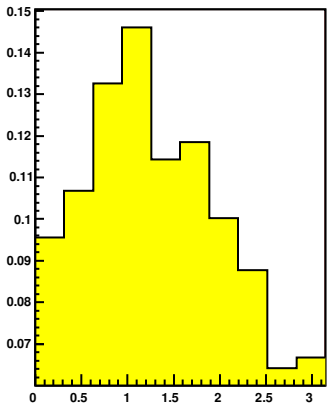
WW-dphi of electron and muon, high LES



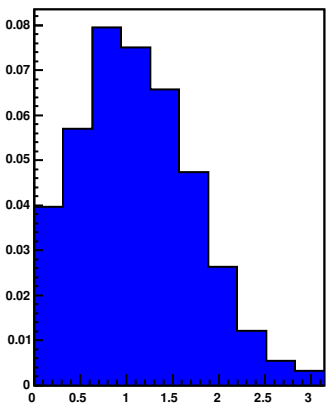
wgamma-dphi of electron and muon, high LES



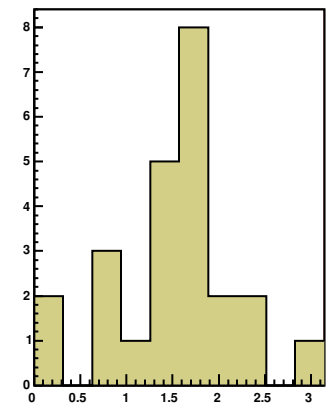
ttbar-dphi of electron and muon, high LES



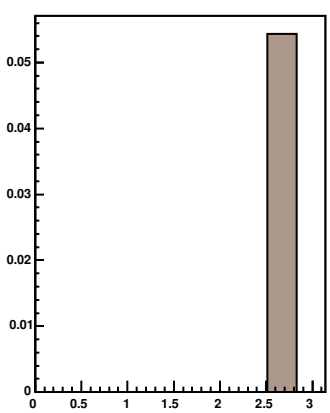
higgsww-dphi of electron and muon, high LES



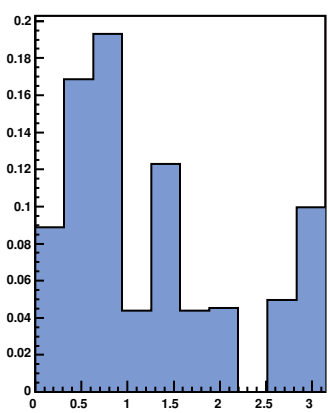
data-dphi of electron and muon, high LES



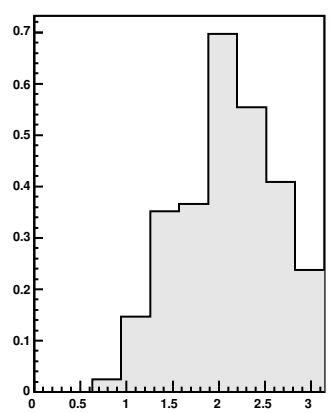
Zee-dphi of electron and muon, low LES



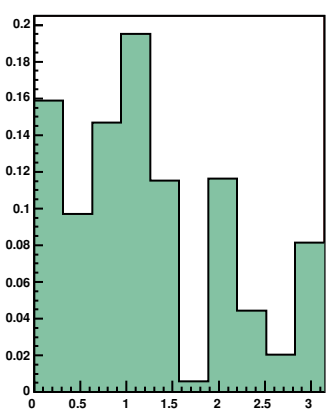
Zmumu-dphi of electron and muon, low LES



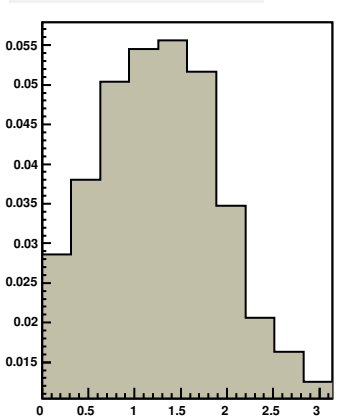
Ztautau-dphi of electron and muon, low LES



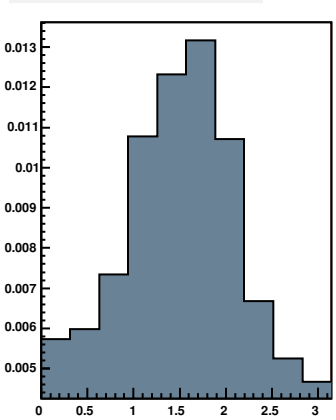
fake-dphi of electron and muon, low LES



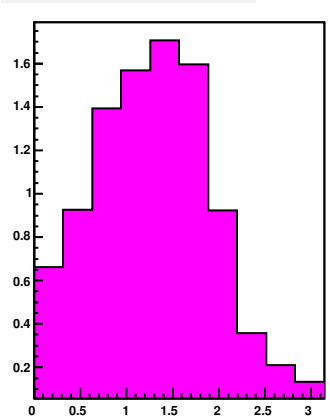
WZ-dphi of electron and muon, low LES



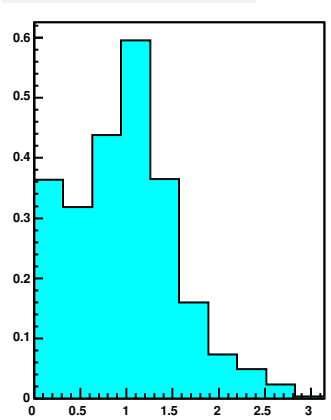
ZZ-dphi of electron and muon, low LES



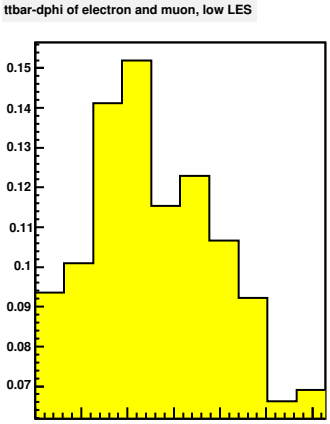
WW-dphi of electron and muon, low LES



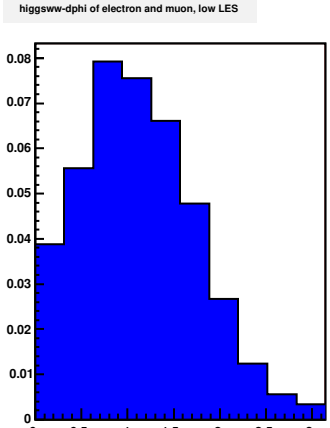
wgamma-dphi of electron and muon, low LES



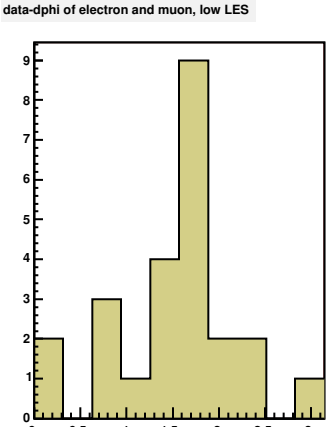
ttbar-dphi of electron and muon, low LES



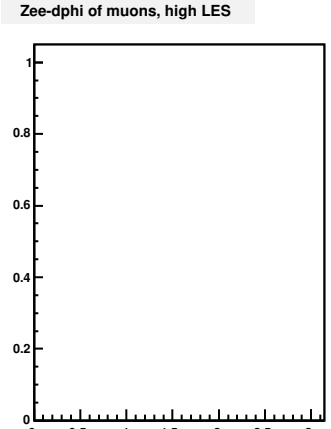
higgsww-dphi of electron and muon, low LES



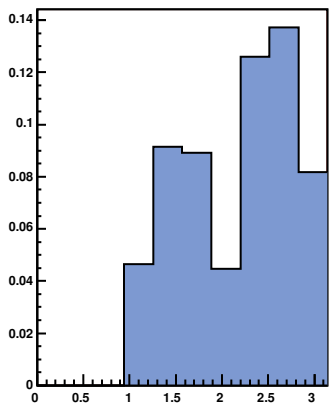
data-dphi of electron and muon, low LES



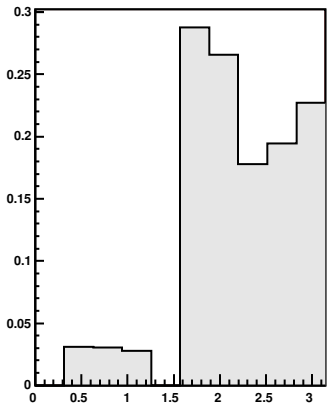
Zee-dphi of muons, high LES



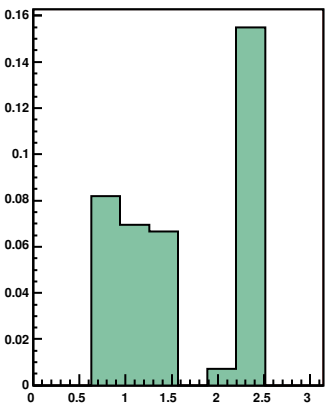
Zmumu-dphi of muons, high LES



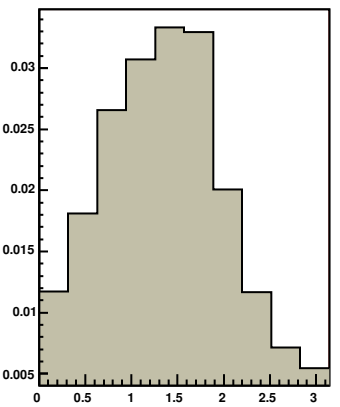
Ztautau-dphi of muons, high LES



fake-dphi of muons, high LES



WZ-dphi of muons, high LES



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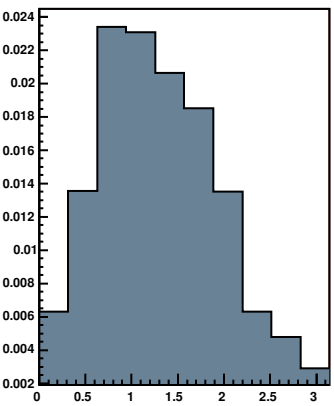

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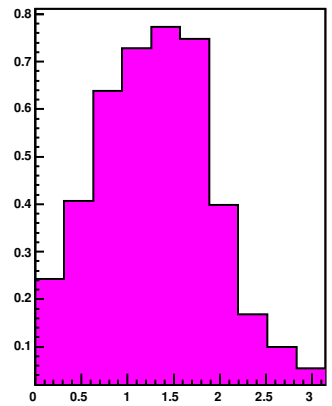
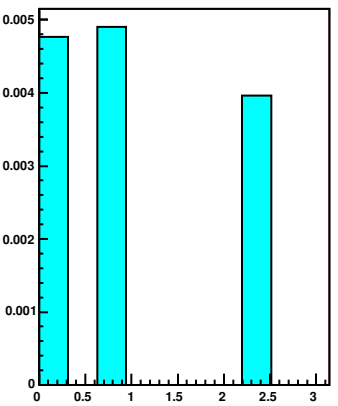
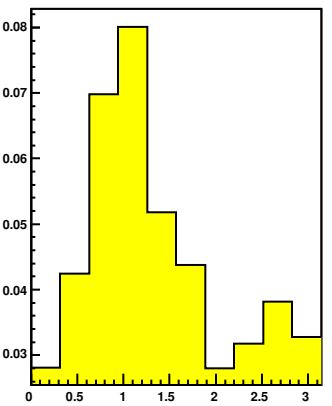


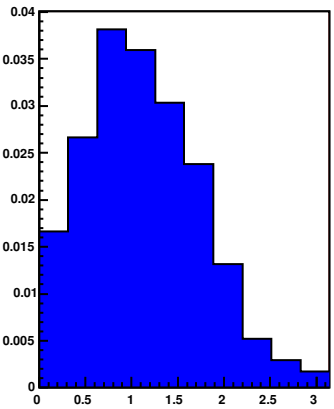
wgamma-dphi of muons, high LES



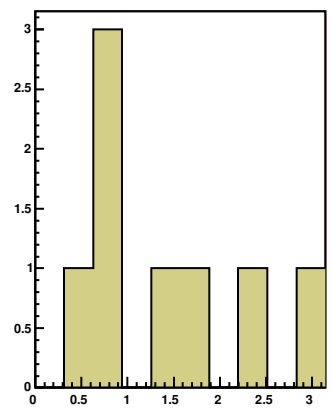
ttbar-dphi of muons, high LES



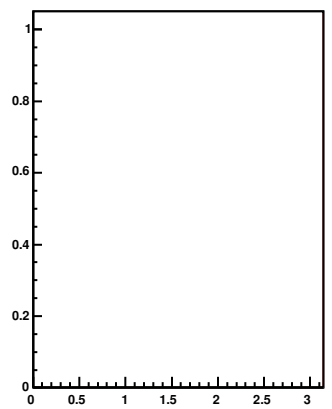
higgsww-dphi of muons, high LES



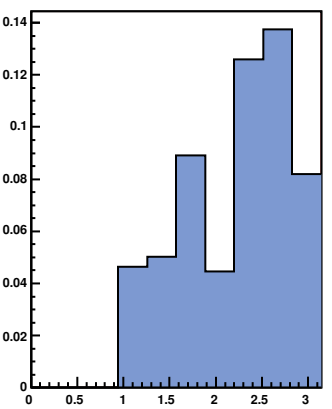
data-dphi of muons, high LES



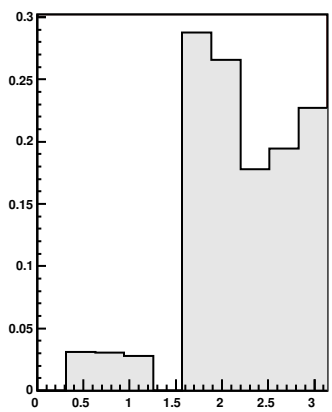
Zee-dphi of muons, low LES



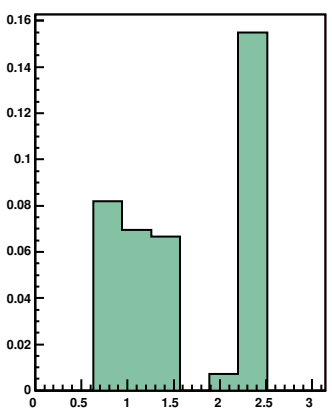
Zmumu-dphi of muons, low LES



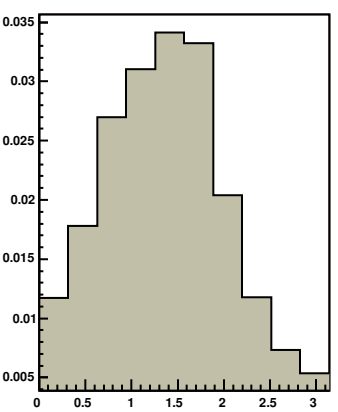
Ztautau-dphi of muons, low LES



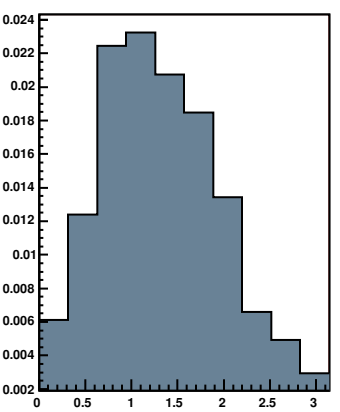
fake-dphi of muons, low LES



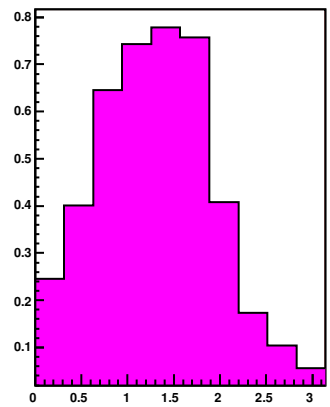
WZ-dphi of muons, low LES



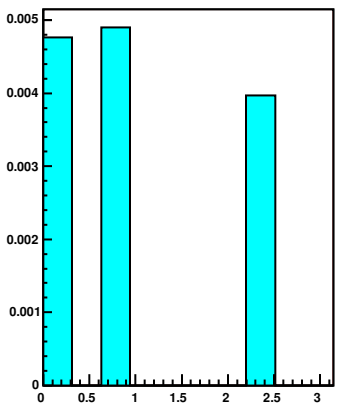
ZZ-dphi of muons, low LES



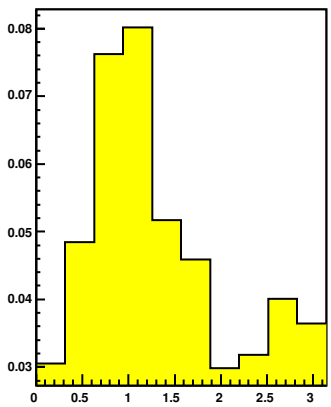
WW-dphi of muons, low LES



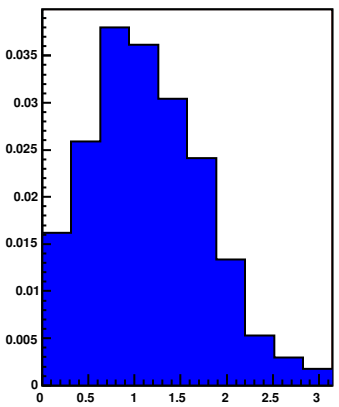
wgamma-dphi of muons, low LES



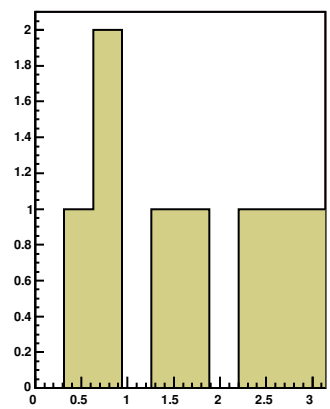
ttbar-dphi of muons, low LES



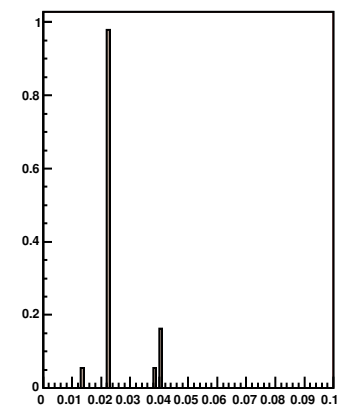
higgsww-dphi of muons, low LES



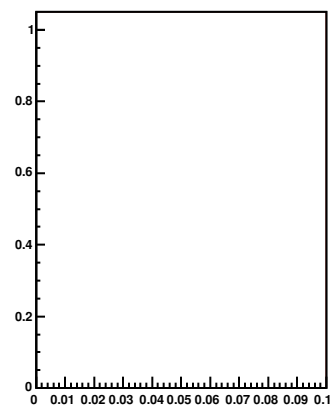
data-dphi of muons, low LES



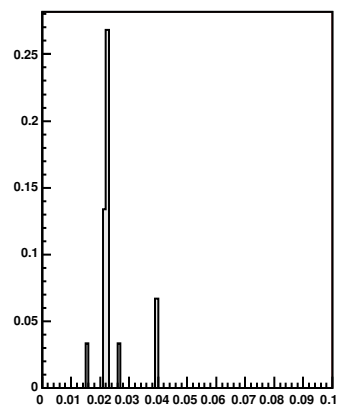
Zee-Relative Weights Error for electrons



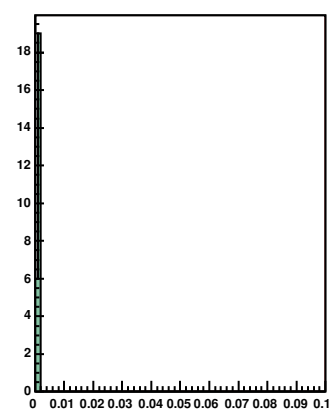
Zmumu-Relative Weights Error for electrons



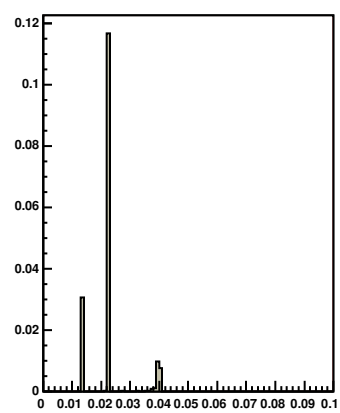
Ztautau-Relative Weights Error for electrons



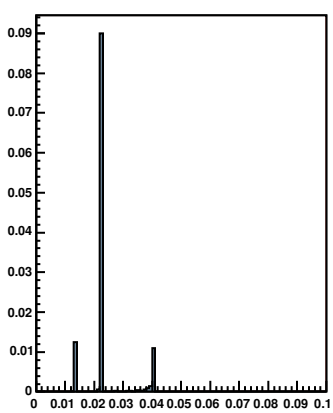
fake-Relative Weights Error for electrons



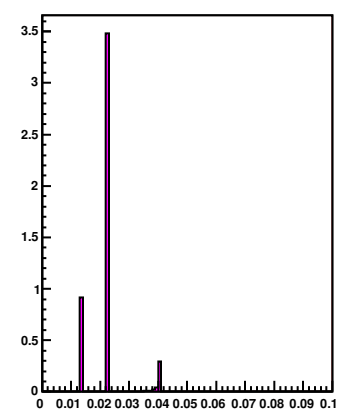
WZ-Relative Weights Error for electrons



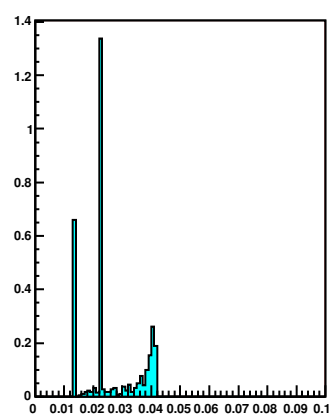
ZZ-Relative Weights Error for electrons



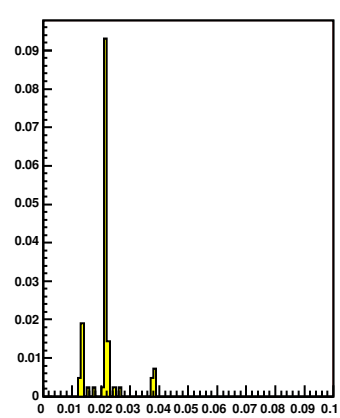
WW-Relative Weights Error for electrons



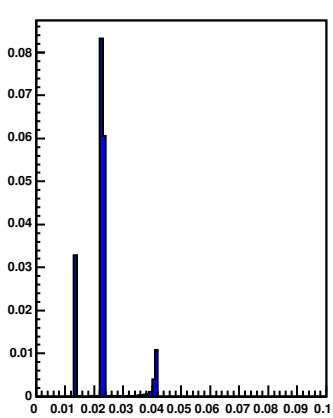
wgamma-Relative Weights Error for electrons



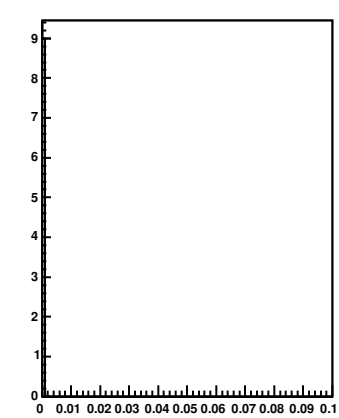
ttbar-Relative Weights Error for electrons



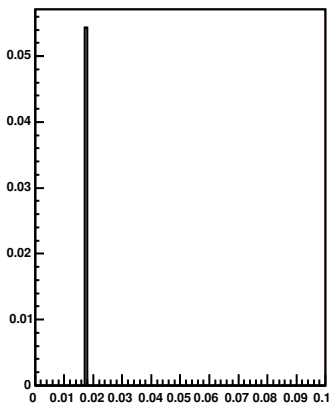
higgsww-Relative Weights Error for electrons



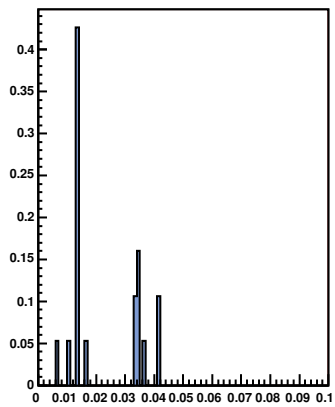
data-Relative Weights Error for electrons



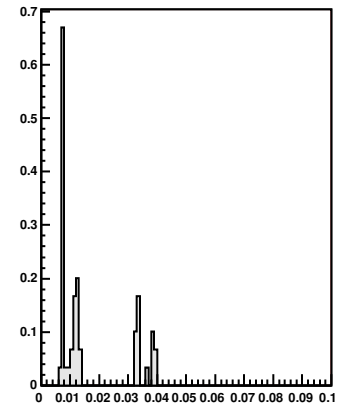
Zee-Relative Weights Error for electron and muon



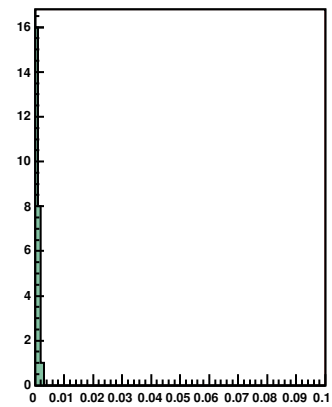
Zmumu-Relative Weights Error for electron and muon



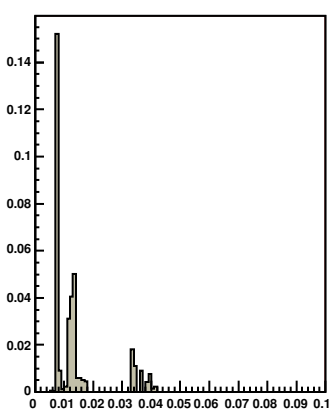
Ztautau-Relative Weights Error for electron and muon



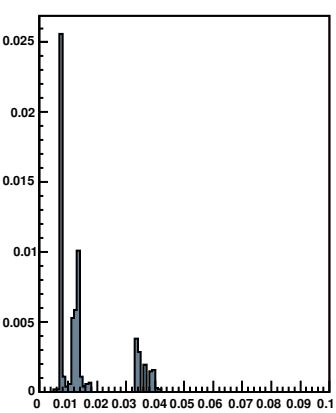
fake-Relative Weights Error for electron and muon



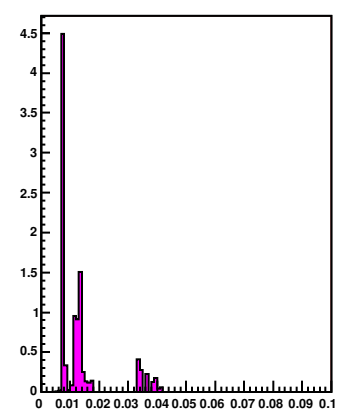
WZ-Relative Weights Error for electron and muon



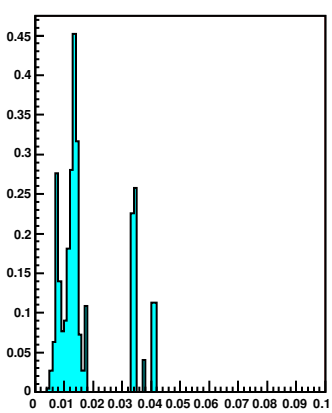
ZZ-Relative Weights Error for electron and muon



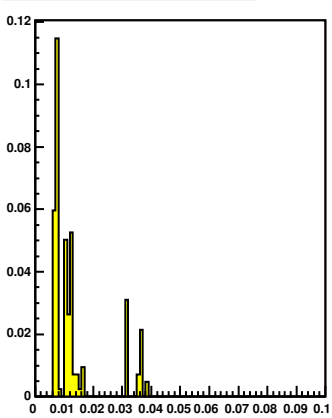
WW-Relative Weights Error for electron and muon



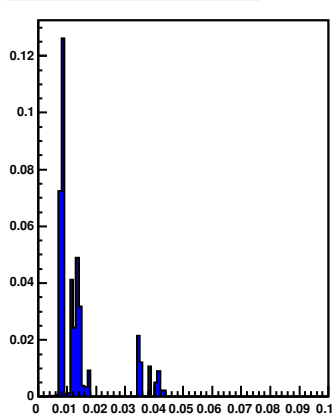
wgamma-Relative Weights Error for electron and muon



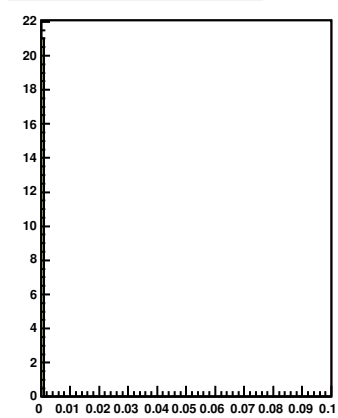
ttbar-Relative Weights Error for electron and muon



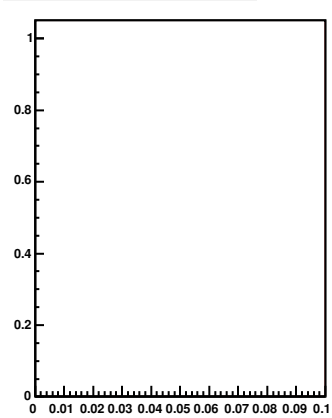
higgsww-Relative Weights Error for electron and muon



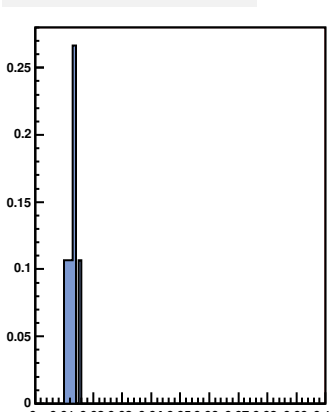
data-Relative Weights Error for electron and muon



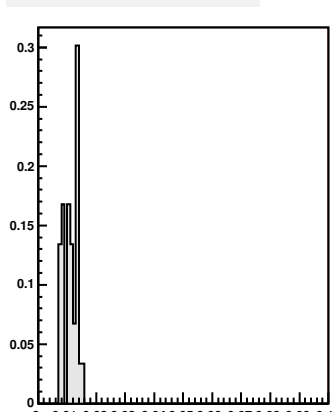
Zee-Relative Weights Error for muons



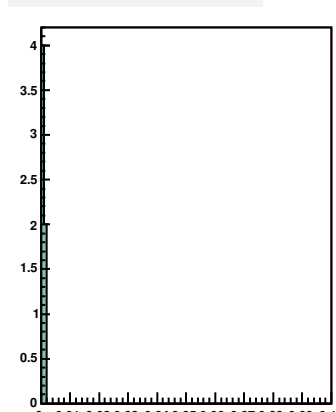
Zmumu-Relative Weights Error for muons



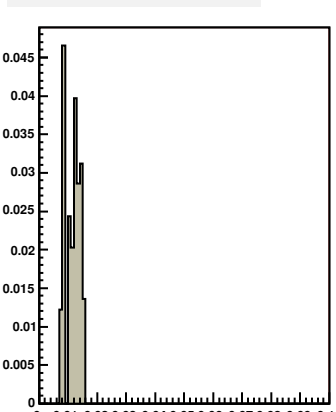
Ztautau-Relative Weights Error for muons



fake-Relative Weights Error for muons



WZ-Relative Weights Error for muons



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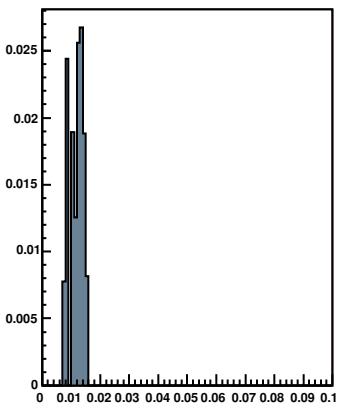
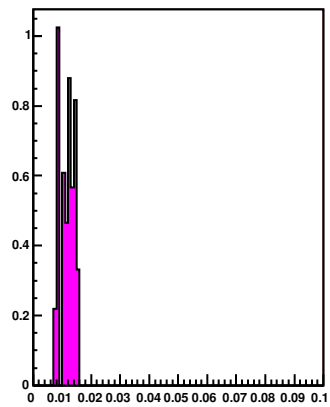
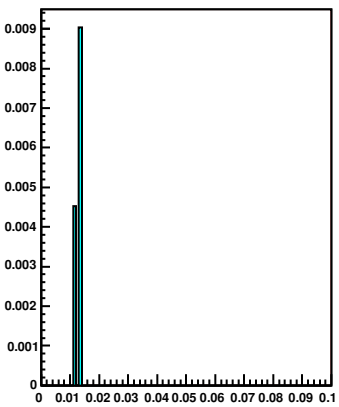


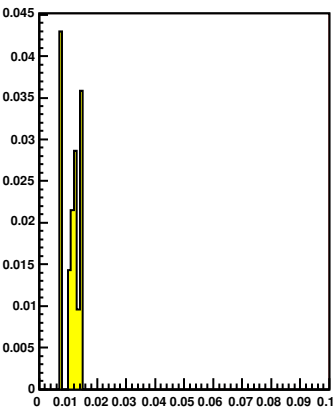
WW-Relative Weights Error for muons



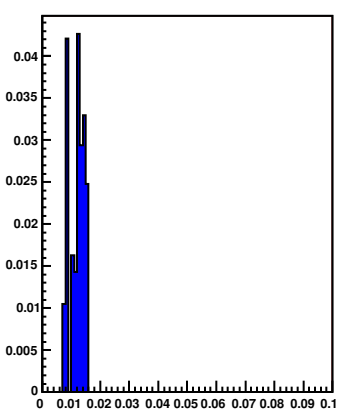
wgamma-Relative Weights Error for muons



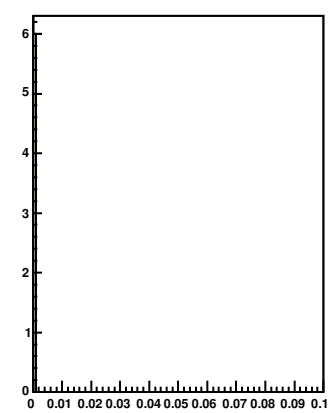
ttbar-Relative Weights Error for muons



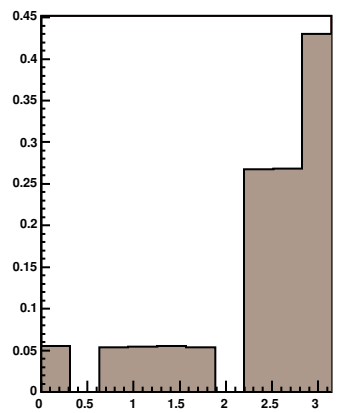
higgsww-Relative Weights Error for muons



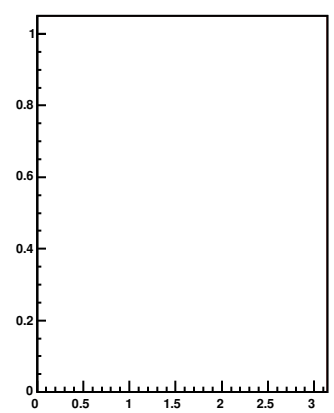
data-Relative Weights Error for muons



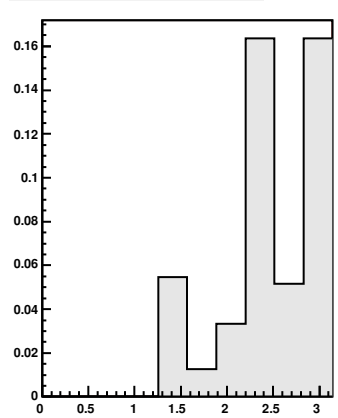
Zee-dphi of electrons, high ISR



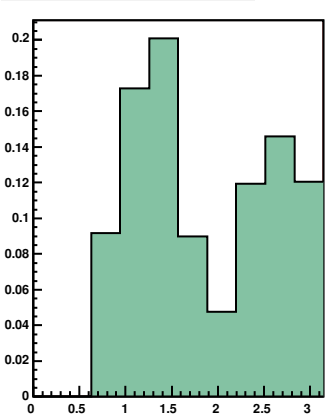
Zmumu-dphi of electrons, high ISR



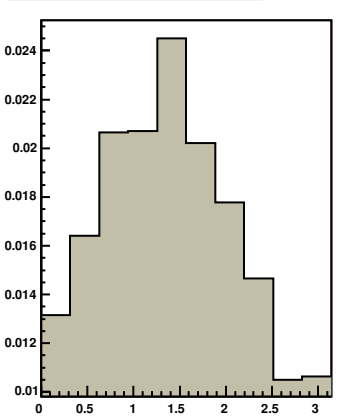
Ztautau-dphi of electrons, high ISR



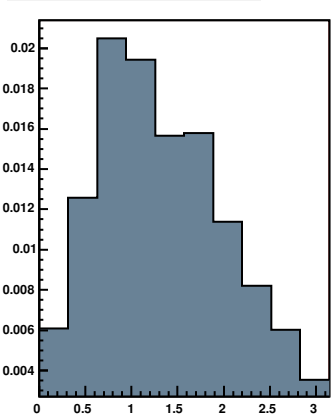
fake-dphi of electrons, high ISR



WZ-dphi of electrons, high ISR



ZZ-dphi of electrons, high ISR



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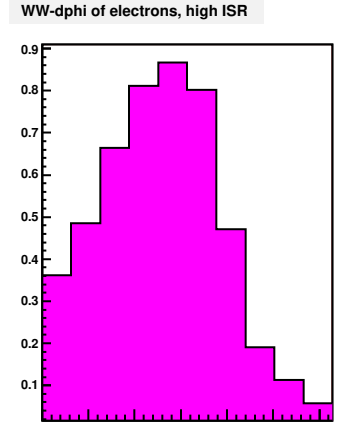
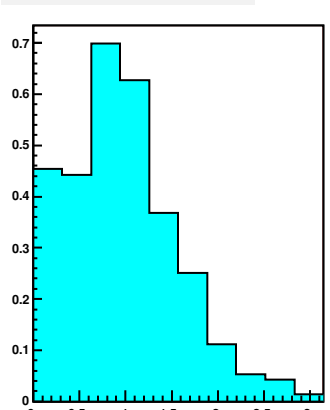
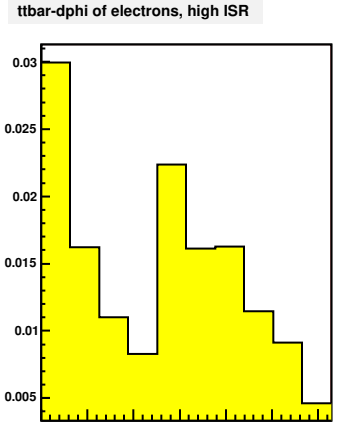


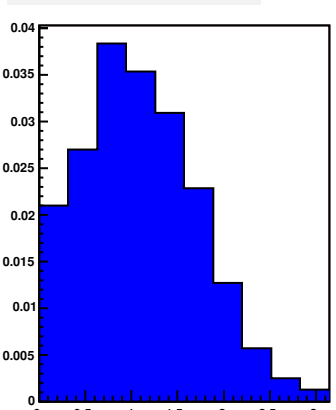
wgamma-dphi of electrons, high ISR



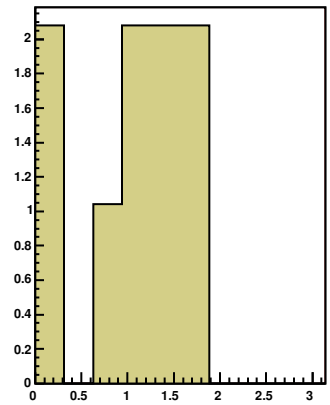
ttbar-dphi of electrons, high ISR



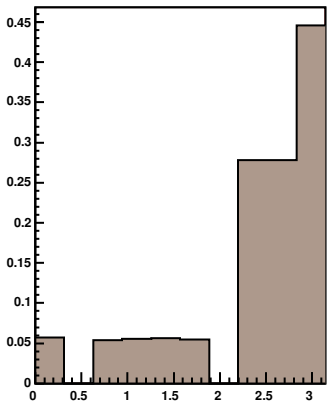
higgsww-dphi of electrons, high ISR



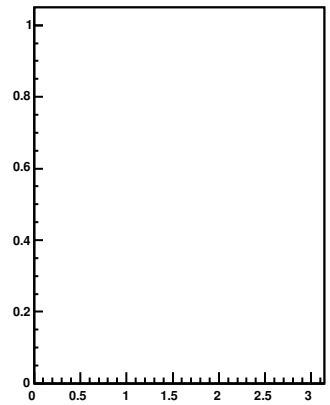
data-dphi of electrons, high ISR



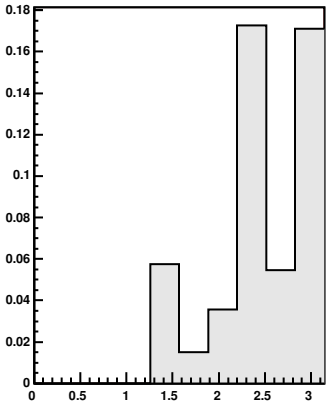
Zee-dphi of electrons, low ISR



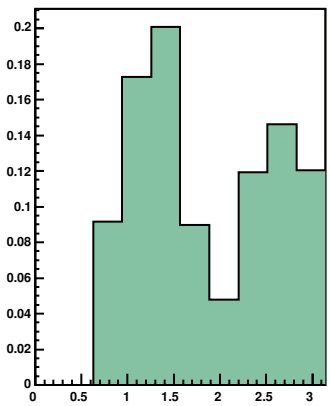
Zmumu-dphi of electrons, low ISR



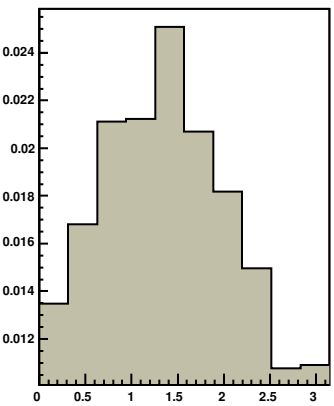
Ztautau-dphi of electrons, low ISR



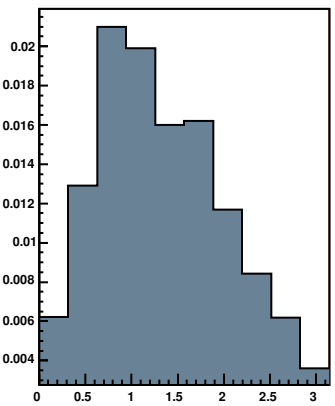
fake-dphi of electrons, low ISR



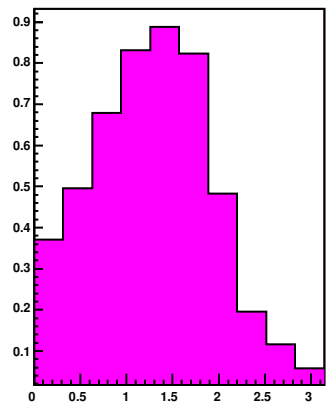
WZ-dphi of electrons, low ISR



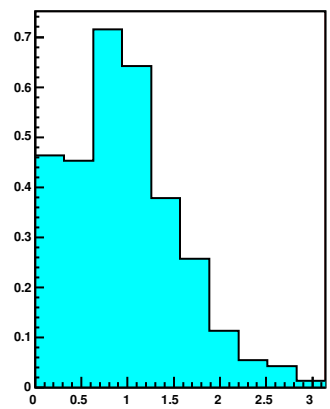
ZZ-dphi of electrons, low ISR



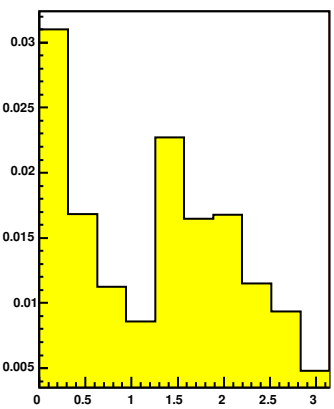
WW-dphi of electrons, low ISR



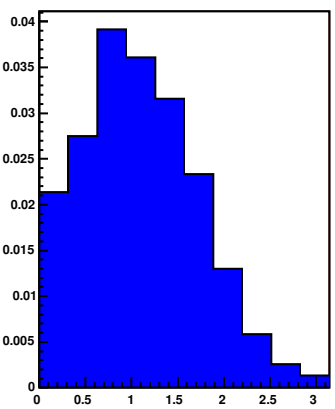
wgamma-dphi of electrons, low ISR



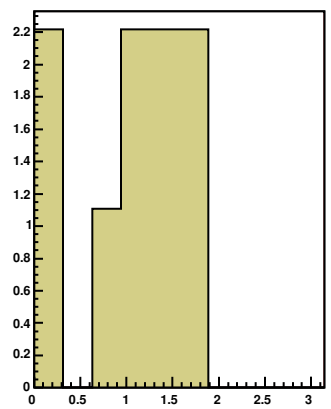
ttbar-dphi of electrons, low ISR



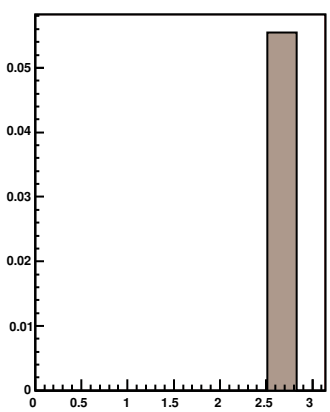
higgsww-dphi of electrons, low ISR



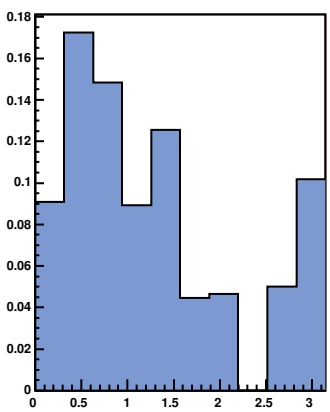
data-dphi of electrons, low ISR



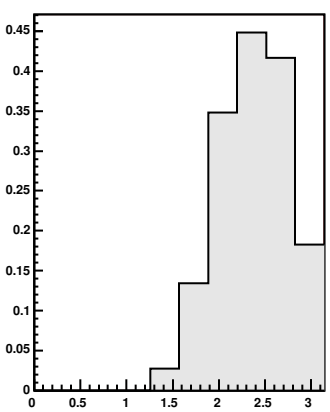
Zee-dphi of electron and muon, high ISR



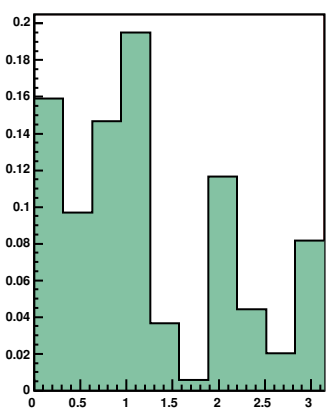
Zmumu-dphi of electron and muon, high ISR



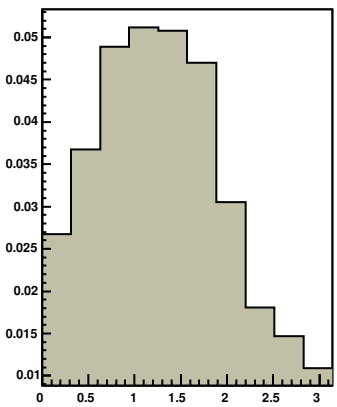
Ztautau-dphi of electron and muon, high ISR



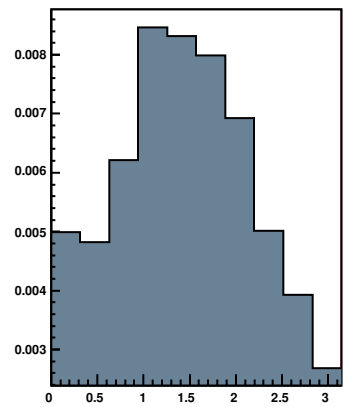
fake-dphi of electron and muon, high ISR



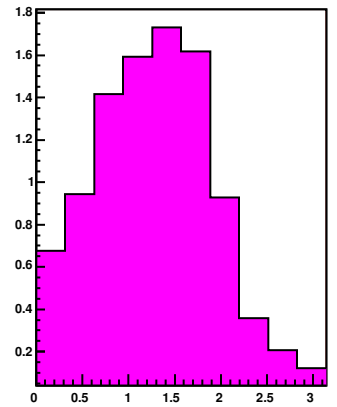
WZ-dphi of electron and muon, high ISR



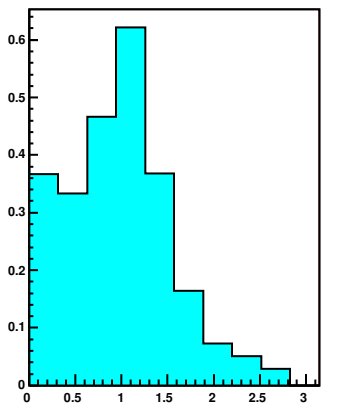
ZZ-dphi of electron and muon, high ISR



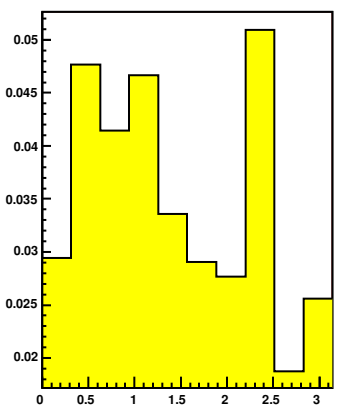
WW-dphi of electron and muon, high ISR



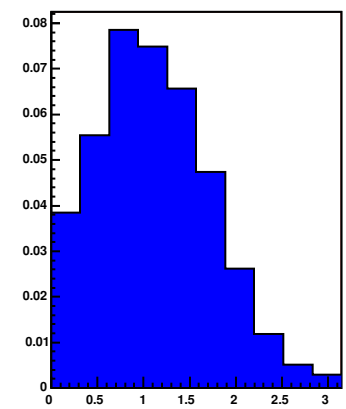
wgamma-dphi of electron and muon, high ISR



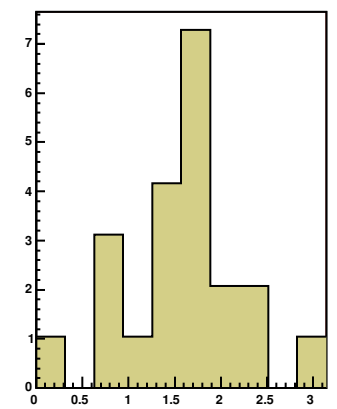
ttbar-dphi of electron and muon, high ISR



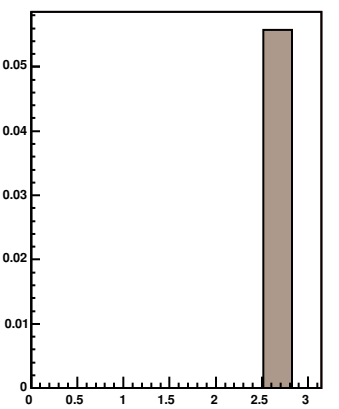
higgsww-dphi of electron and muon, high ISR



data-dphi of electron and muon, high ISR



Zee-dphi of electron and muon, low ISR



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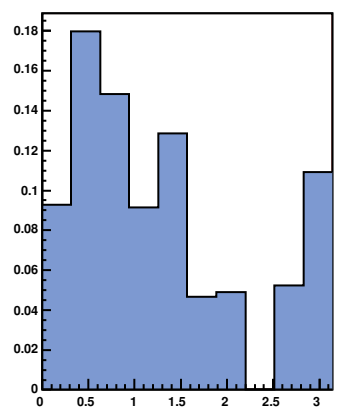

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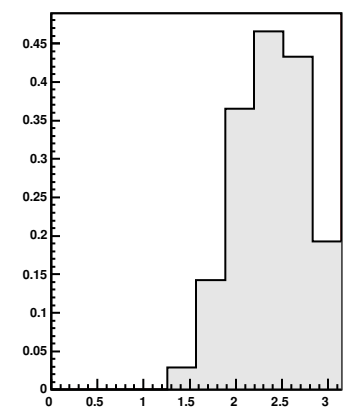
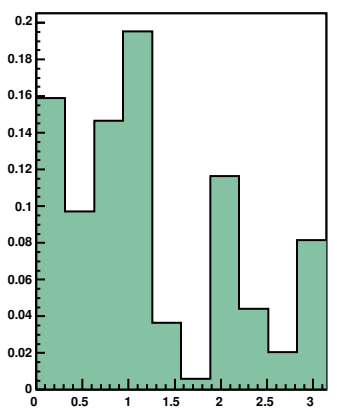
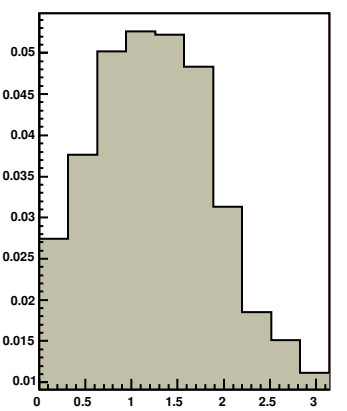


fake-dphi of electron and muon, low ISR



WZ-dphi of electron and muon, low ISR



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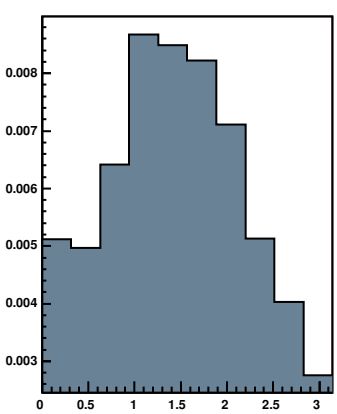
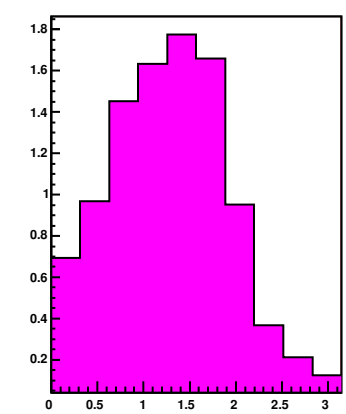
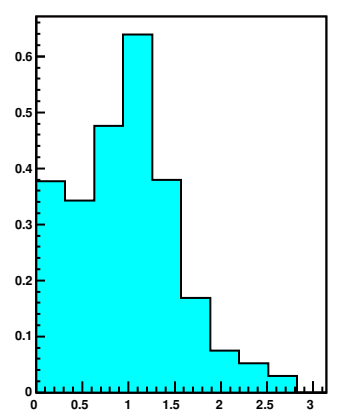


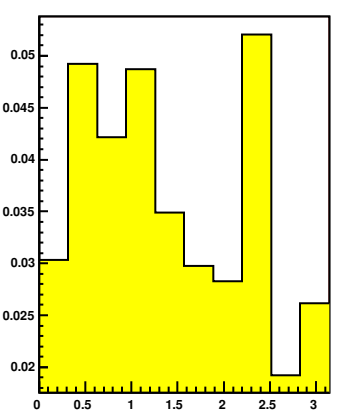
WW-dphi of electron and muon, low ISR



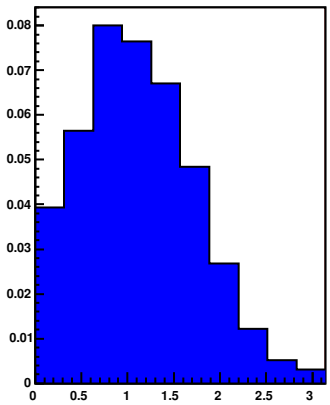
wgamma-dphi of electron and muon, low ISR



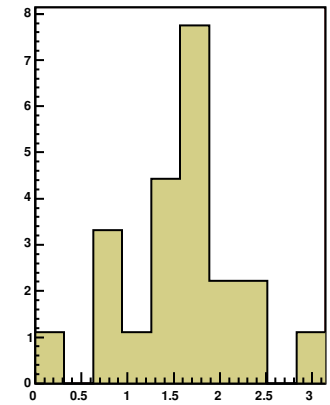
ttbar-dphi of electron and muon, low ISR



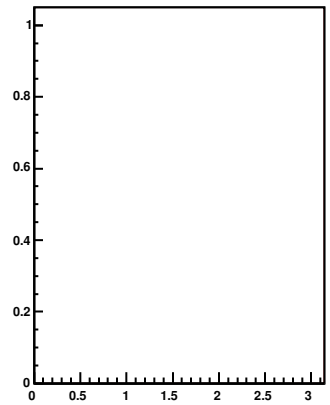
higgsww-dphi of electron and muon, low ISR



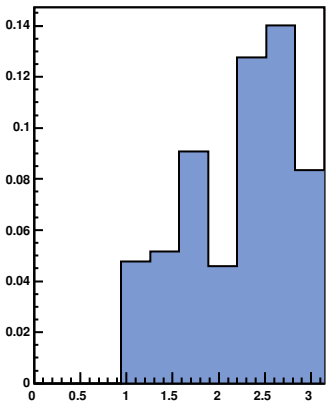
data-dphi of electron and muon, low ISR



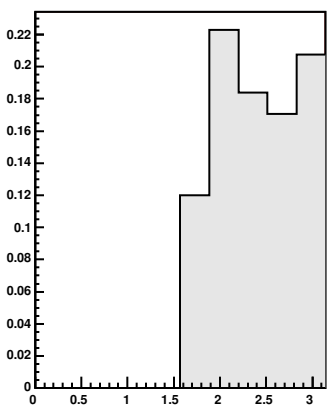
Zee-dphi of muons, high ISR



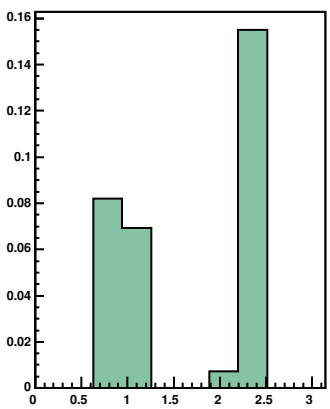
Zmumu-dphi of muons, high ISR



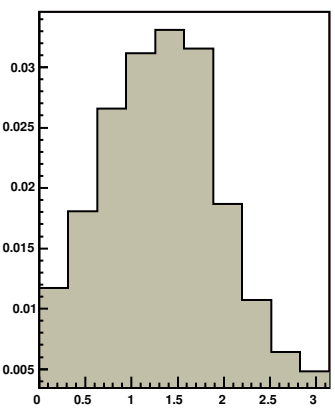
Ztautau-dphi of muons, high ISR



fake-dphi of muons, high ISR



WZ-dphi of muons, high ISR



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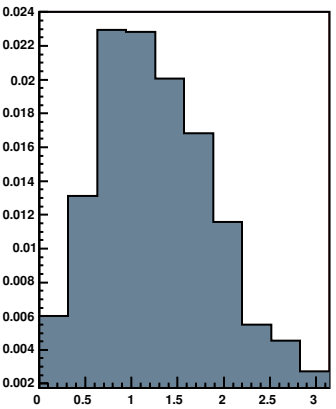

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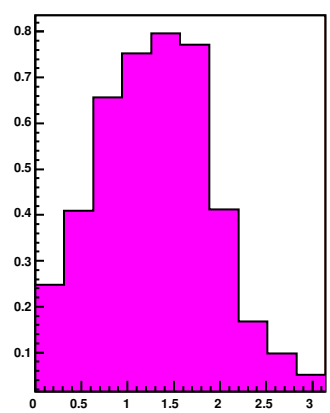
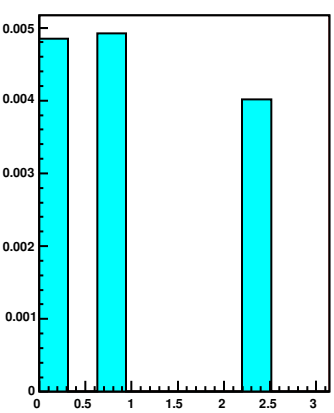
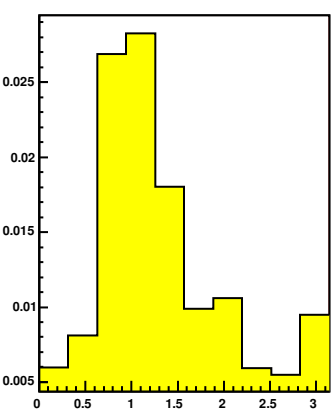


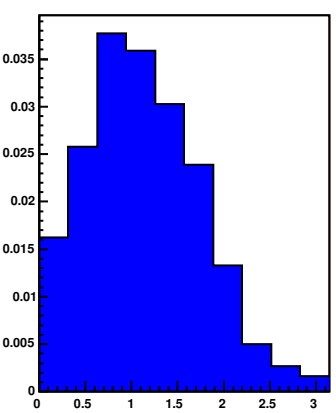
wgamma-dphi of muons, high ISR



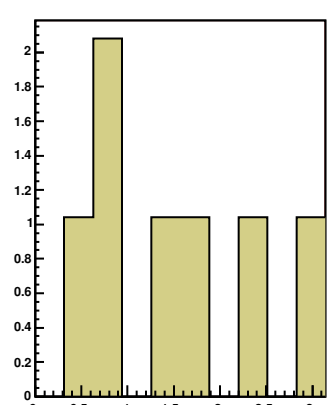
ttbar-dphi of muons, high ISR



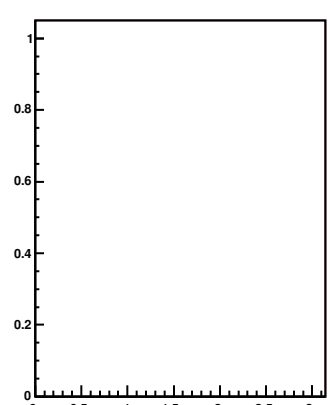
higgsww-dphi of muons, high ISR



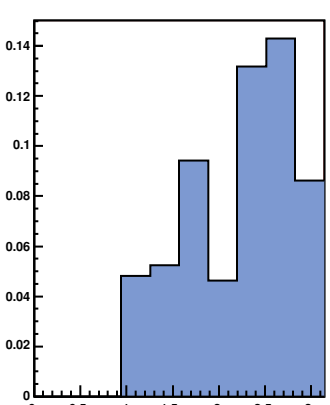
data-dphi of muons, high ISR



Zee-dphi of muons, low ISR



Zmumu-dphi of muons, low ISR



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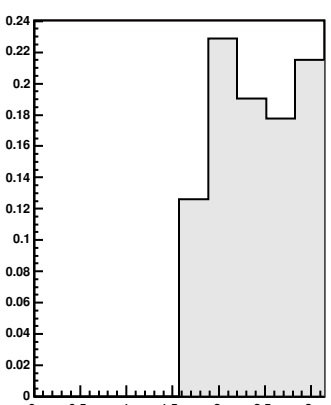
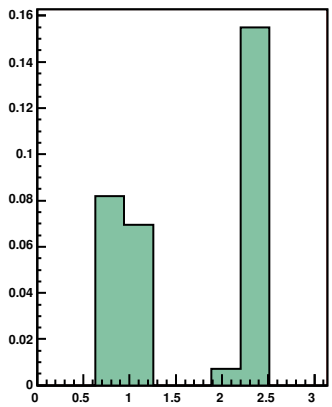


fake-dphi of muons, low ISR



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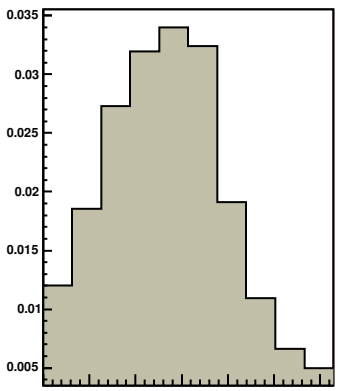

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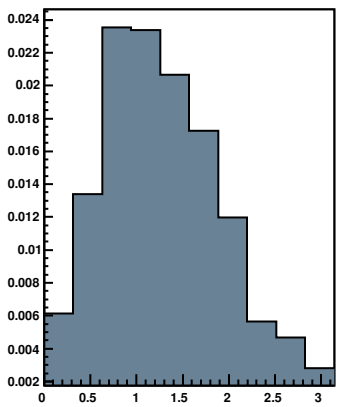

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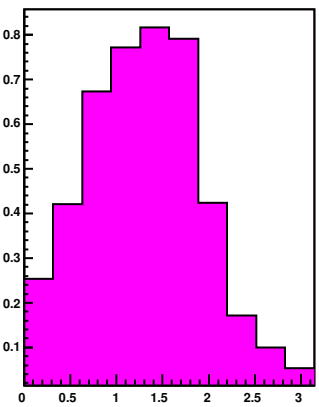
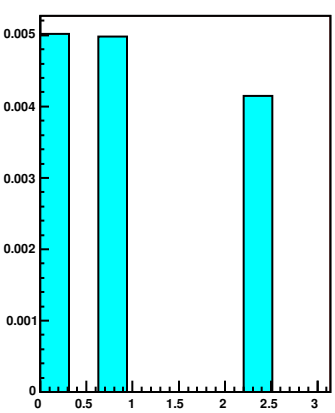
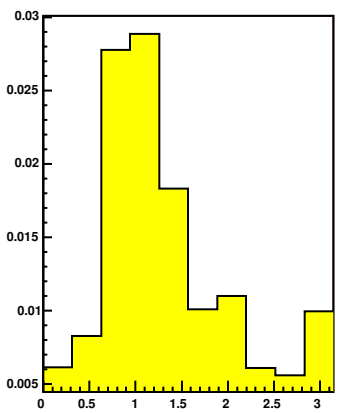


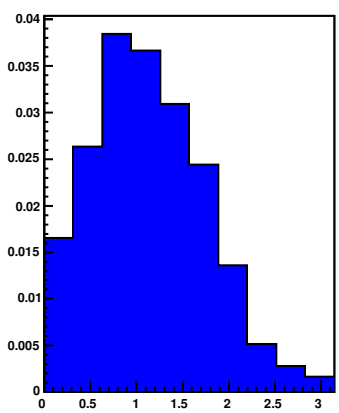
wgamma-dphi of muons, low ISR



ttbar-dphi of muons, low ISR



higgsww-dphi of muons, low ISR



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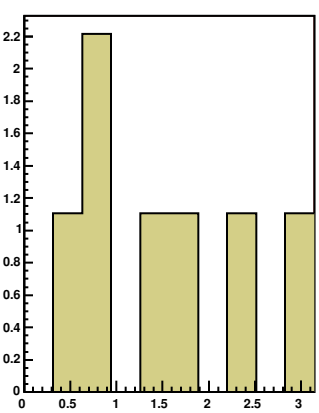
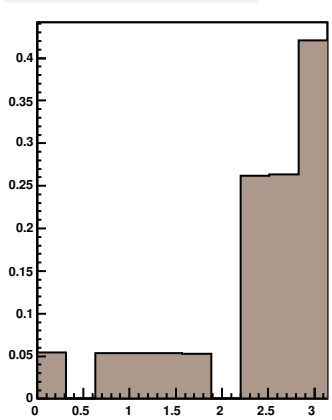
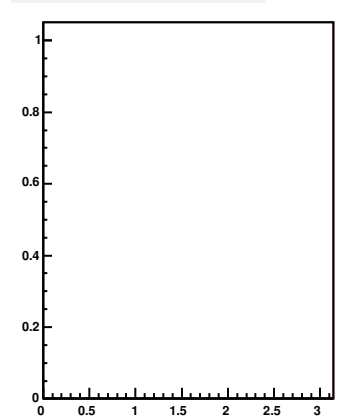


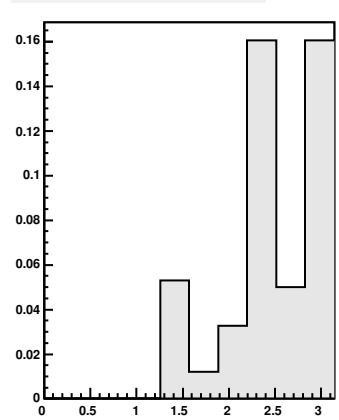
Zee-dphi of electrons, high Fake



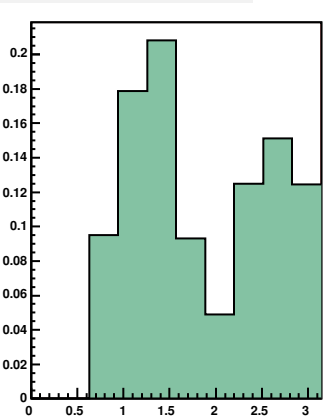
Zmumu-dphi of electrons, high Fake



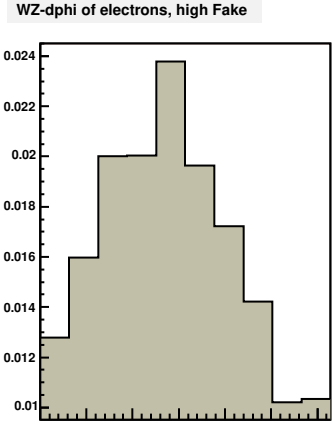
Ztautau-dphi of electrons, high Fake



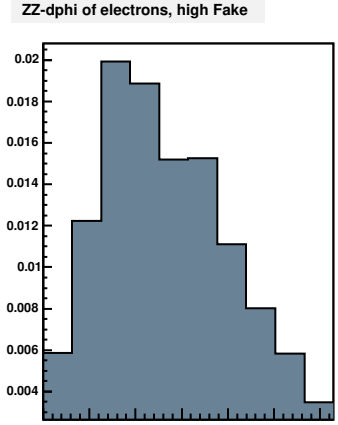
fake-dphi of electrons, high Fake



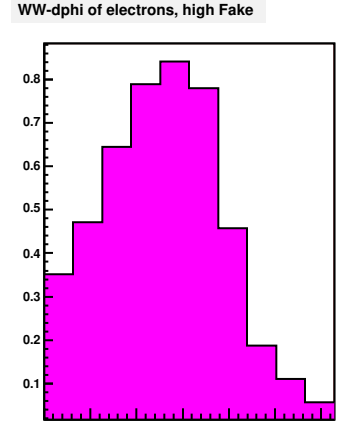
WZ-dphi of electrons, high Fake



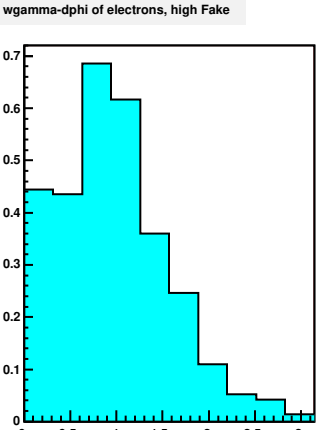
ZZ-dphi of electrons, high Fake



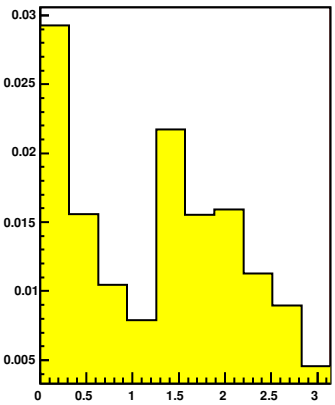
WW-dphi of electrons, high Fake



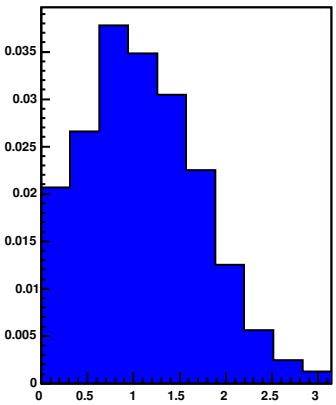
wgamma-dphi of electrons, high Fake



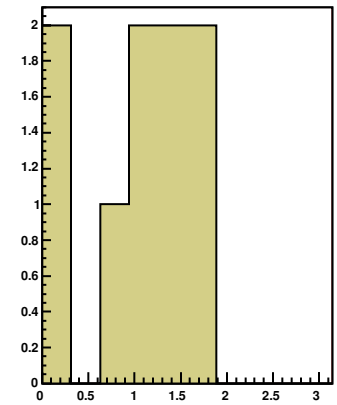
ttbar-dphi of electrons, high Fake



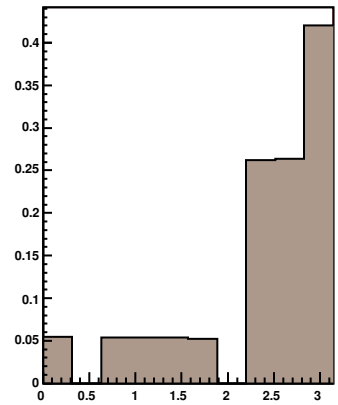
higgsww-dphi of electrons, high Fake



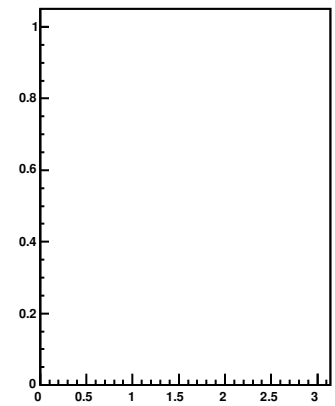
data-dphi of electrons, high Fake



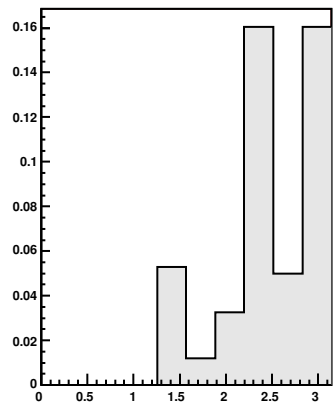
Zee-dphi of electrons, low Fake



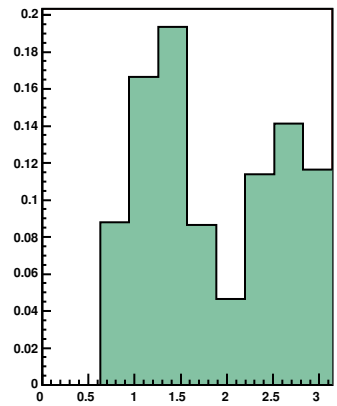
Zmumu-dphi of electrons, low Fake



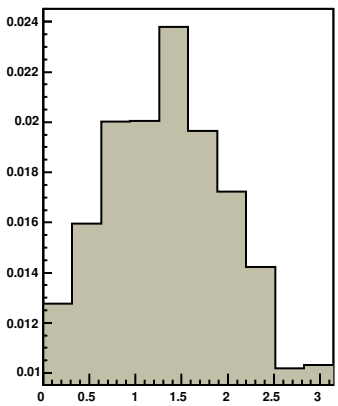
Ztautau-dphi of electrons, low Fake



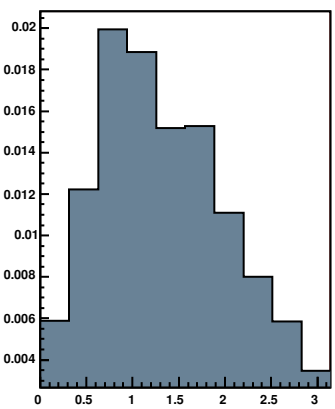
fake-dphi of electrons, low Fake



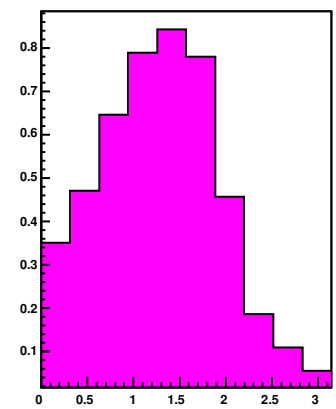
WZ-dphi of electrons, low Fake



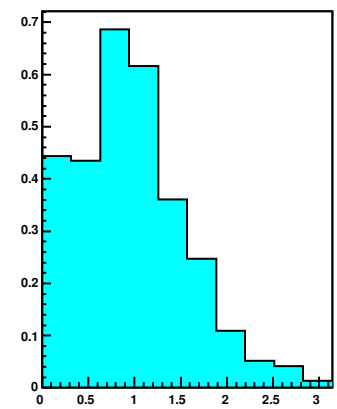
ZZ-dphi of electrons, low Fake



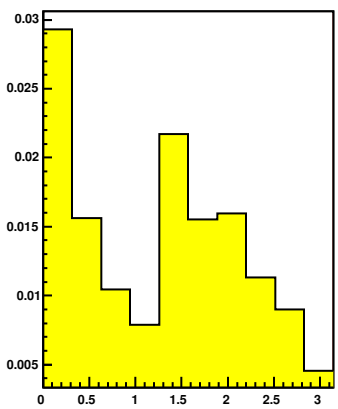
WW-dphi of electrons, low Fake



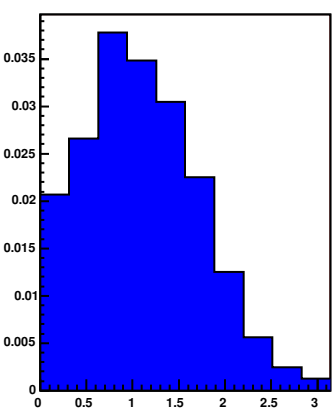
wgamma-dphi of electrons, low Fake



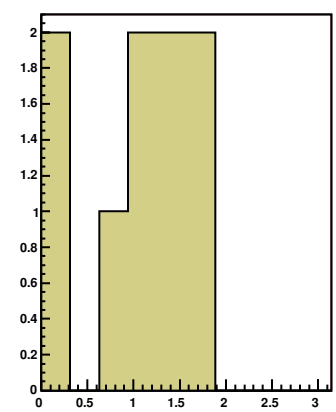
ttbar-dphi of electrons, low Fake



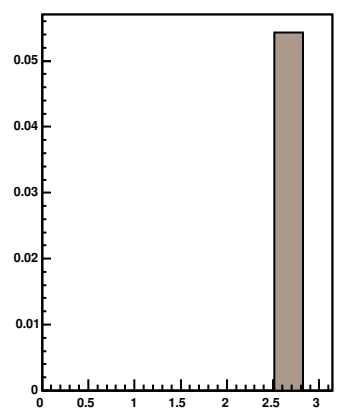
higgsww-dphi of electrons, low Fake



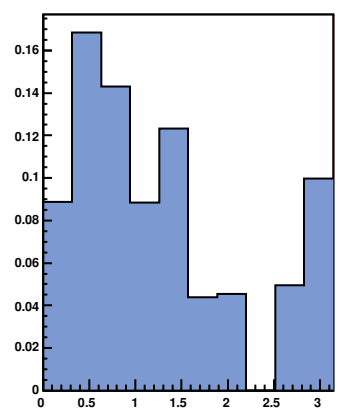
data-dphi of electrons, low Fake



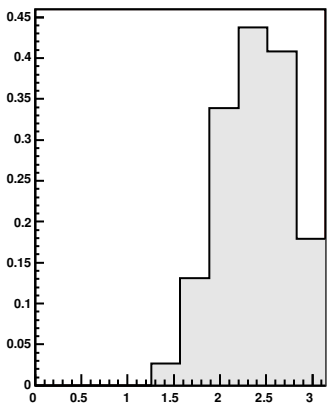
Zee-dphi of electron and muon, high Fake



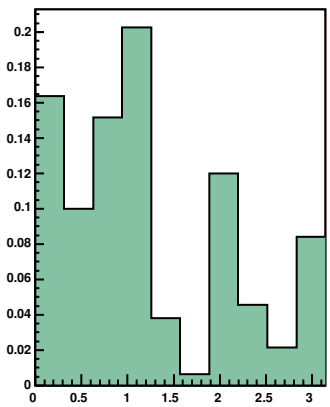
Zmumu-dphi of electron and muon, high Fake



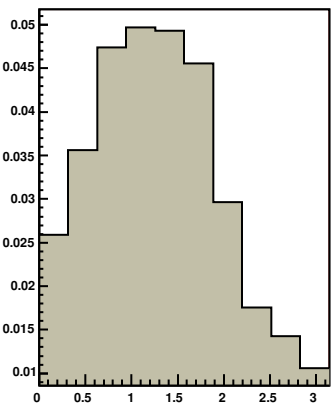
Ztautau-dphi of electron and muon, high Fake



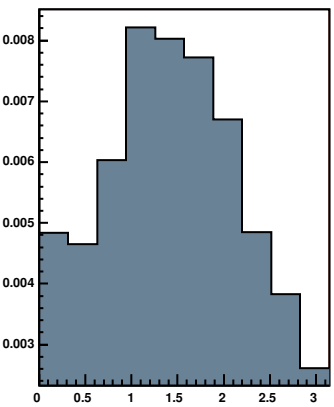
fake-dphi of electron and muon, high Fake



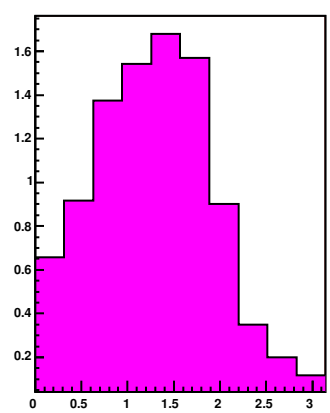
WZ-dphi of electron and muon, high Fake



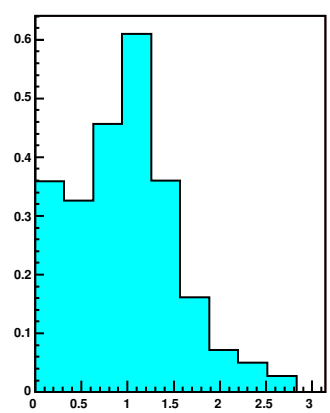
ZZ-dphi of electron and muon, high Fake



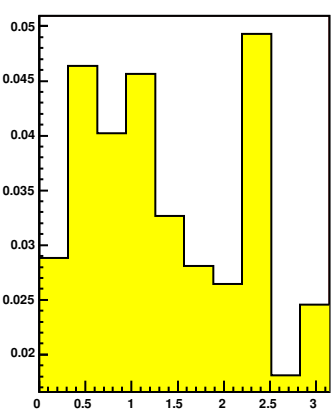
WW-dphi of electron and muon, high Fake



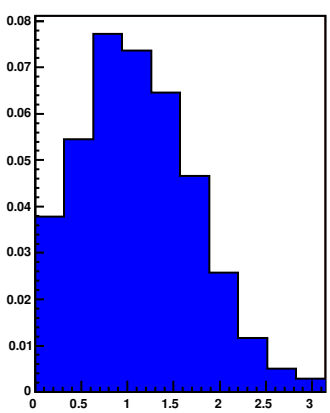
wgamma-dphi of electron and muon, high Fake



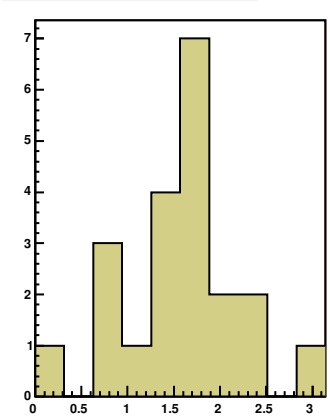
ttbar-dphi of electron and muon, high Fake



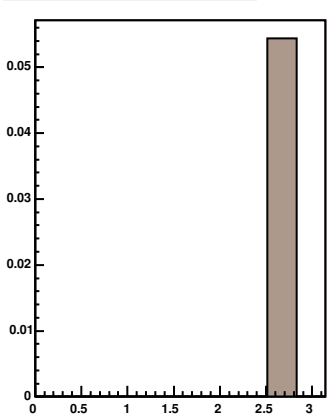
higgsww-dphi of electron and muon, high Fake



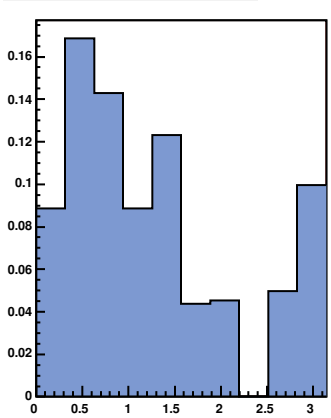
data-dphi of electron and muon, high Fake



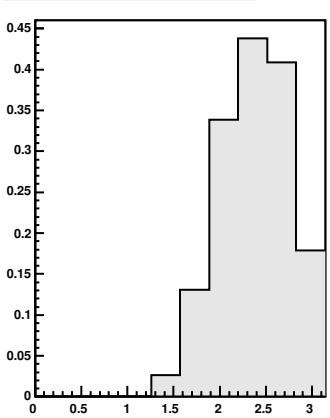
Zee-dphi of electron and muon, low Fake



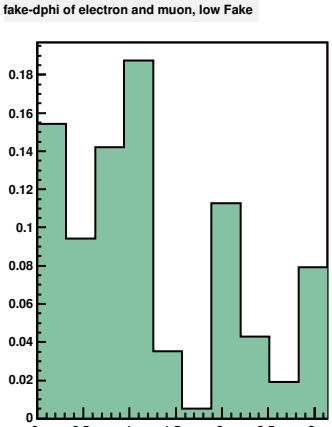
Zmumu-dphi of electron and muon, low Fake



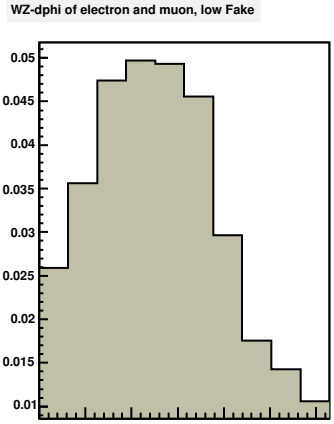
Ztautau-dphi of electron and muon, low Fake



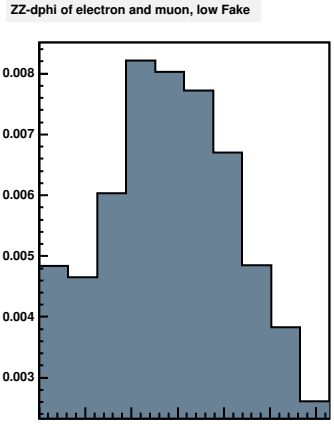
fake-dphi of electron and muon, low Fake



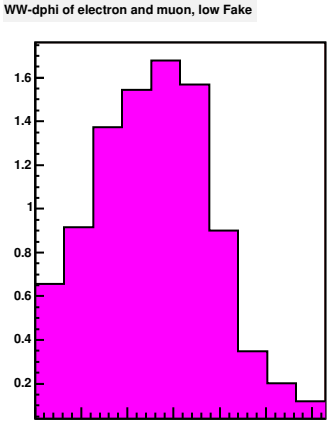
WZ-dphi of electron and muon, low Fake



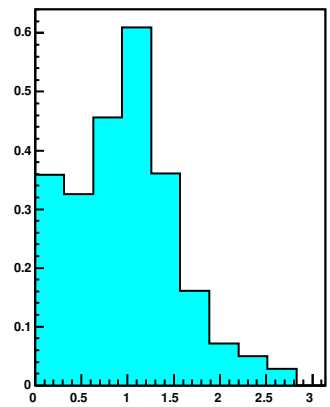
ZZ-dphi of electron and muon, low Fake



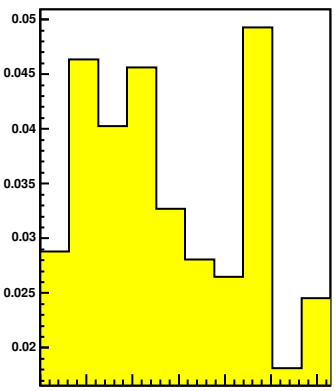
WW-dphi of electron and muon, low Fake



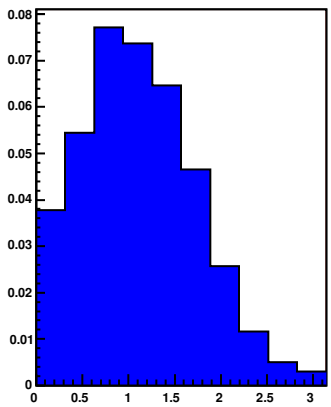
wgamma-dphi of electron and muon, low Fake



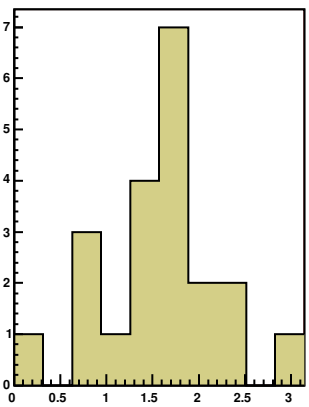
ttbar-dphi of electron and muon, low Fake



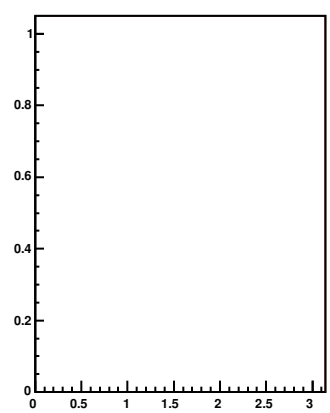
higgsww-dphi of electron and muon, low Fake



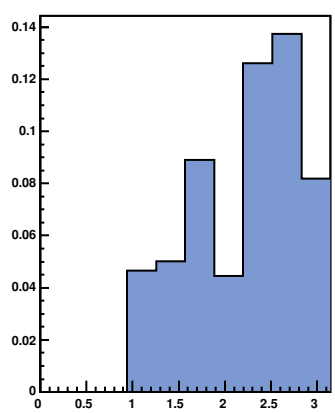
data-dphi of electron and muon, low Fake



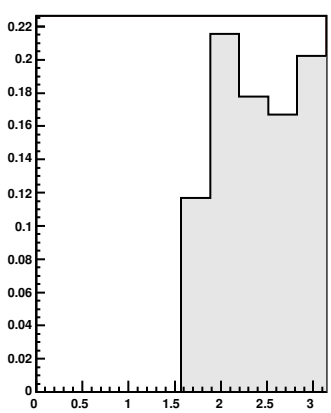
Zee-dphi of muons, high Fake



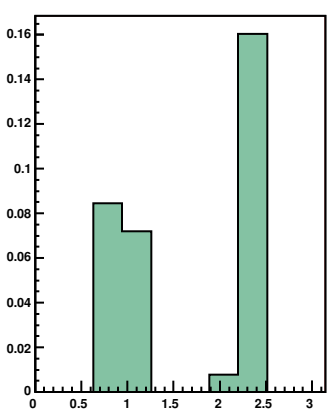
Zmumu-dphi of muons, high Fake



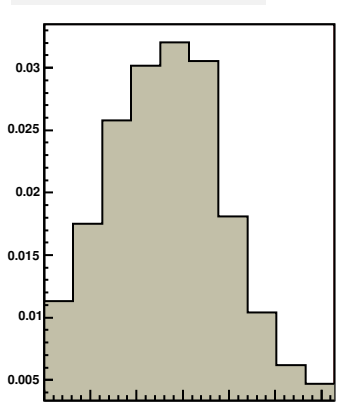
Ztautau-dphi of muons, high Fake



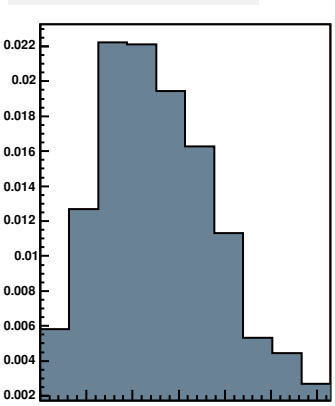
fake-dphi of muons, high Fake



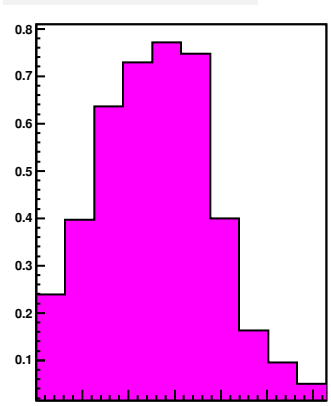
WZ-dphi of muons, high Fake



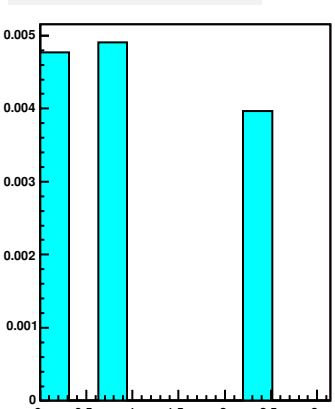
ZZ-dphi of muons, high Fake



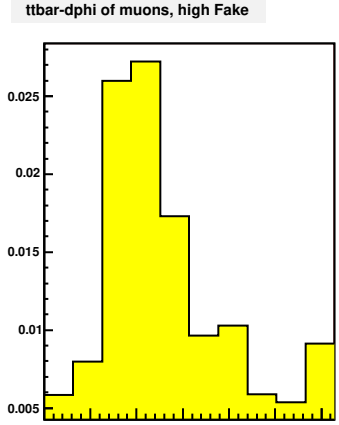
WW-dphi of muons, high Fake



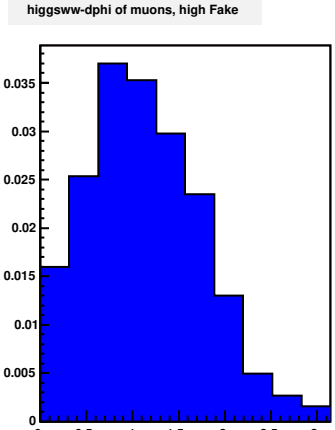
wgamma-dphi of muons, high Fake



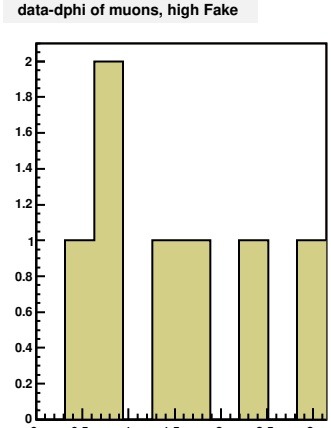
ttbar-dphi of muons, high Fake



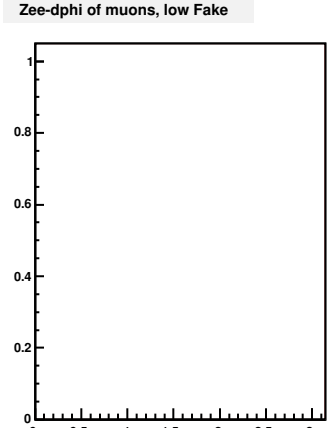
higgsww-dphi of muons, high Fake



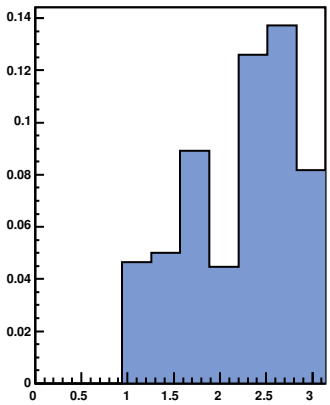
data-dphi of muons, high Fake



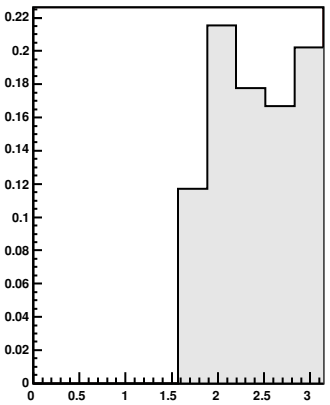
Zee-dphi of muons, low Fake



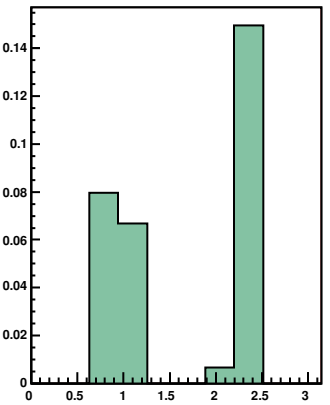
Zmumu-dphi of muons, low Fake



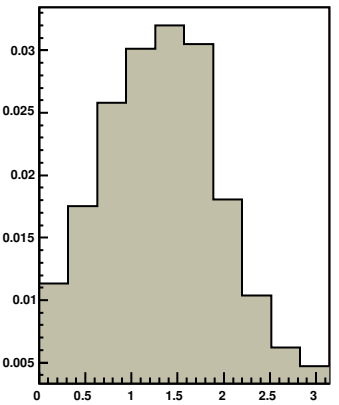
Ztautau-dphi of muons, low Fake



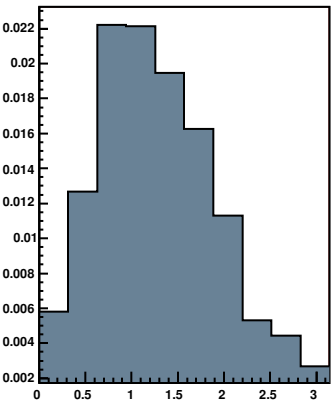
fake-dphi of muons, low Fake



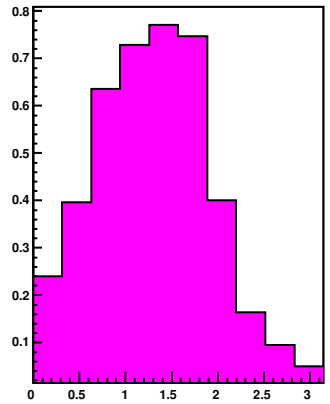
WZ-dphi of muons, low Fake



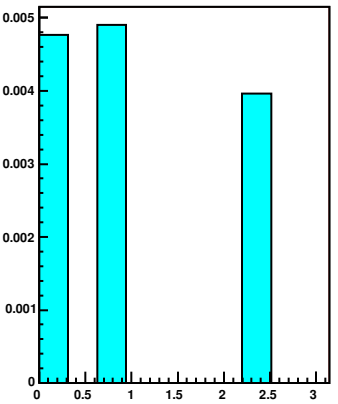
ZZ-dphi of muons, low Fake



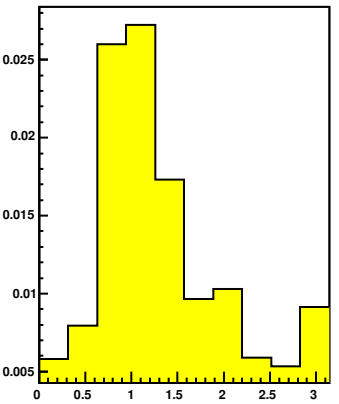
WW-dphi of muons, low Fake



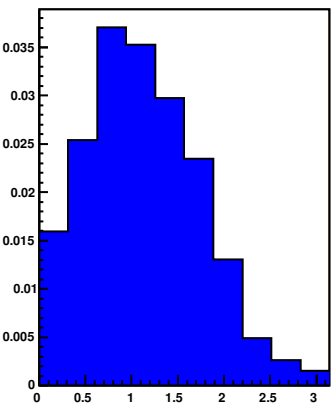
wgamma-dphi of muons, low Fake



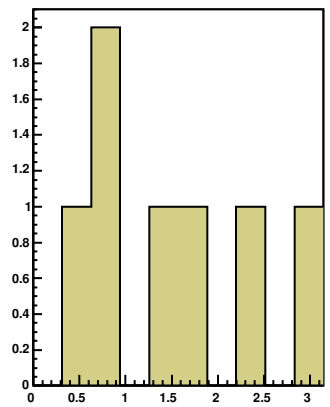
ttbar-dphi of muons, low Fake



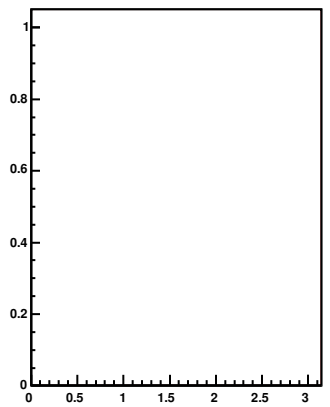
higgsww-dphi of muons, low Fake



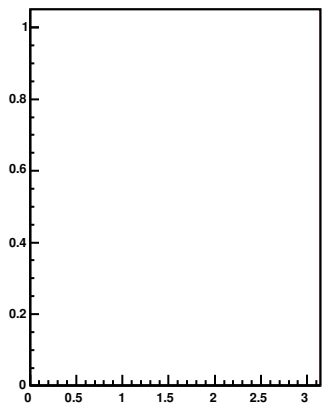
data-dphi of muons, low Fake



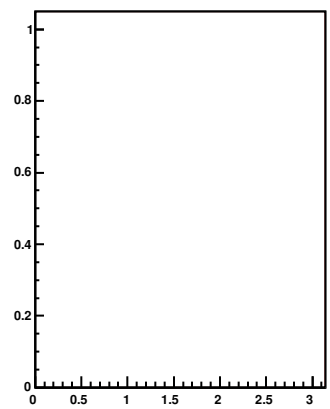
Zee-dphi from TMVA selection



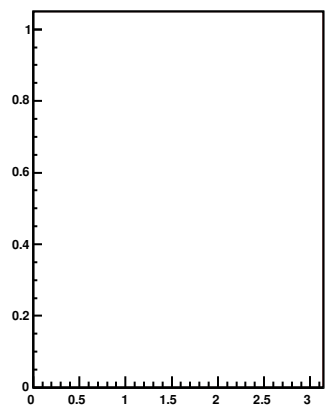
Zmumu-dphi from TMVA selection



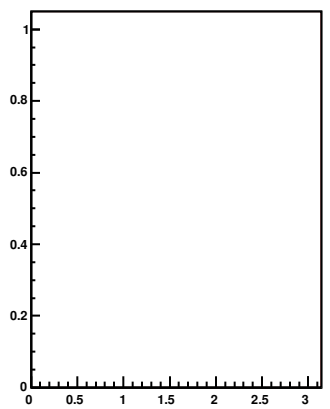
Ztautau-dphi from TMVA selection



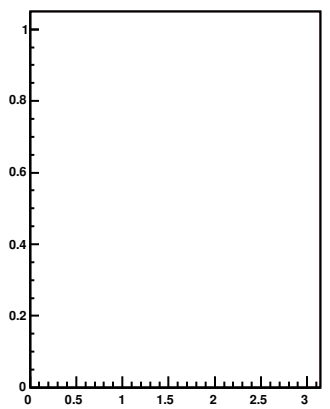
fake-dphi from TMVA selection



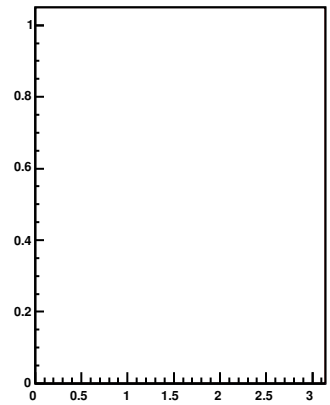
WZ-dphi from TMVA selection



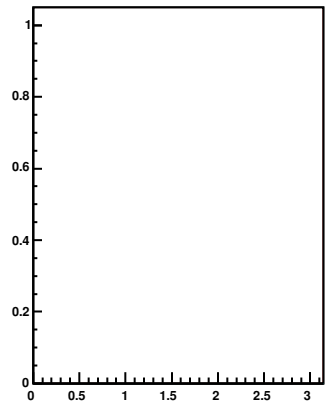
ZZ-dphi from TMVA selection



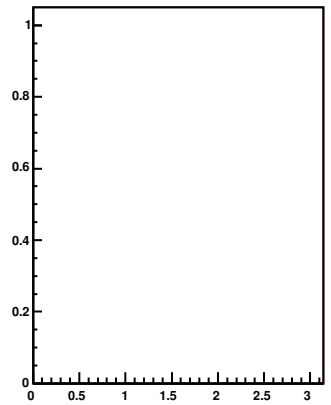
WW-dphi from TMVA selection



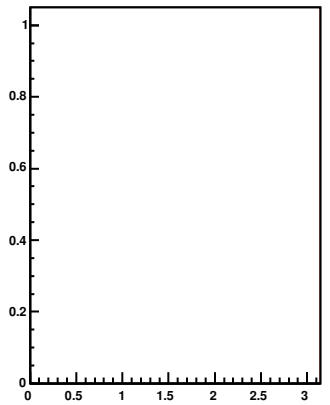
wgamma-dphi from TMVA selection



ttbar-dphi from TMVA selection



higgsww-dphi from TMVA selection



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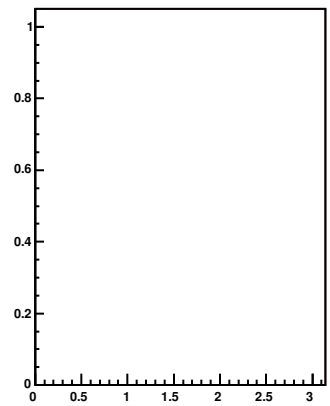

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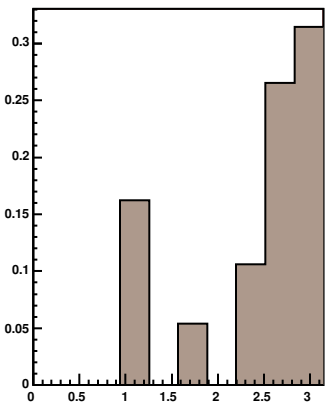

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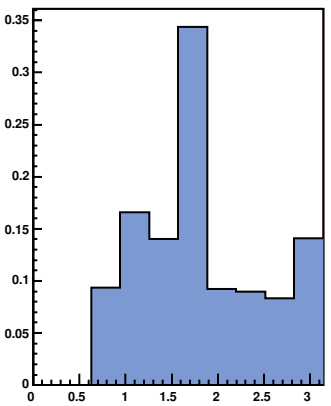

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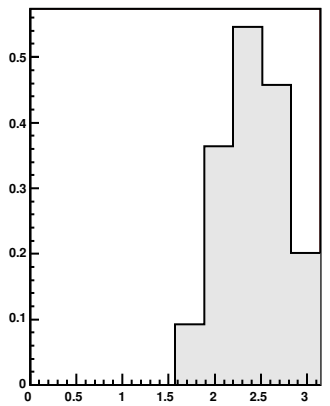

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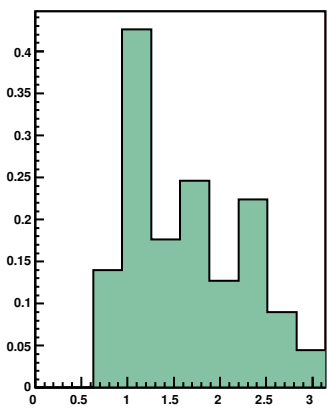

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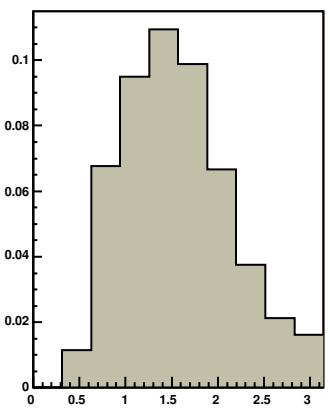

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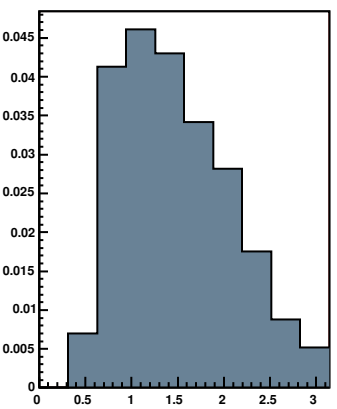

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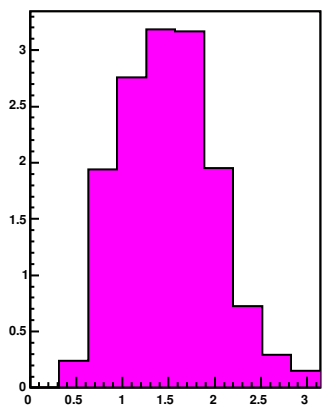

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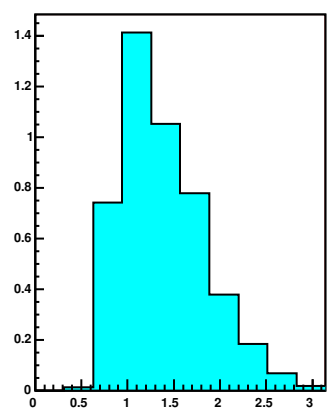

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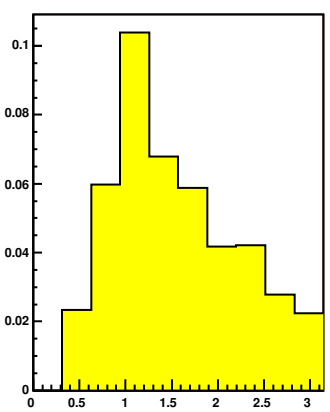

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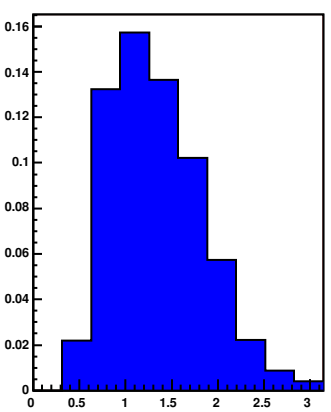

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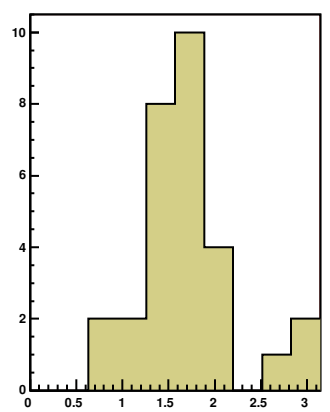
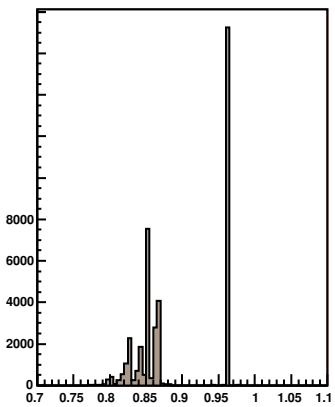


Zee-Weight forALL



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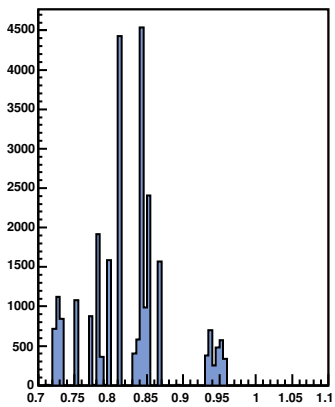

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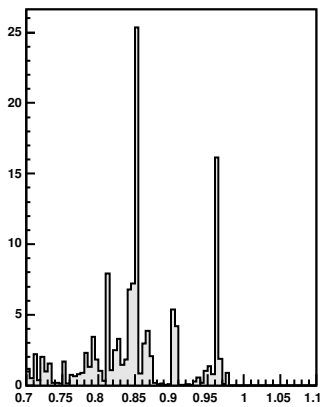

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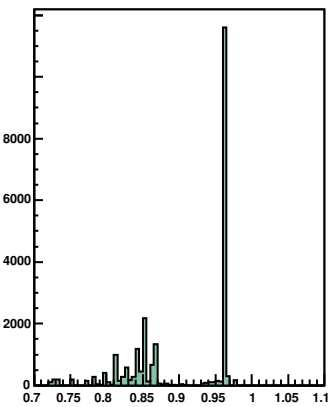

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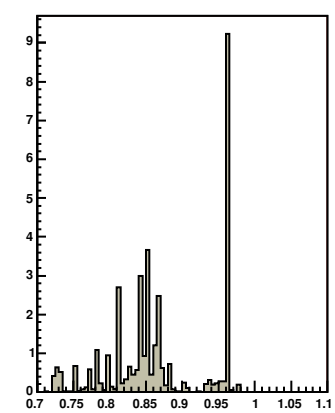

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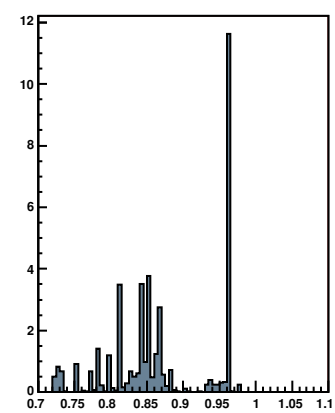

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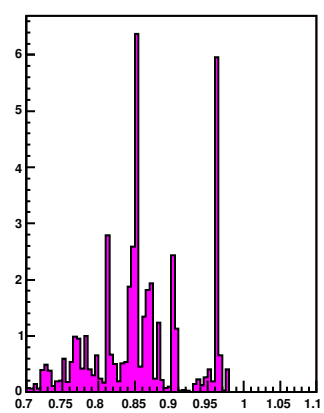

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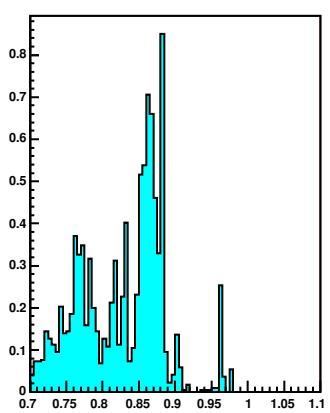
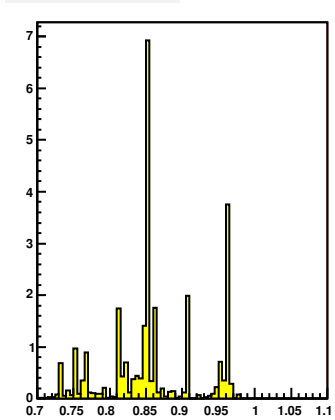
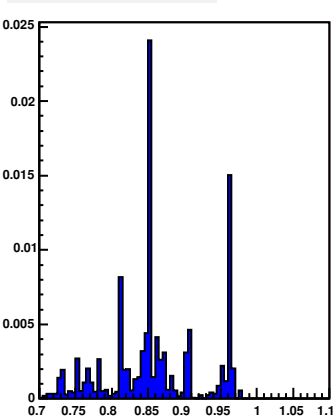


ttbar-Weight forALL



higgsww-Weight forALL



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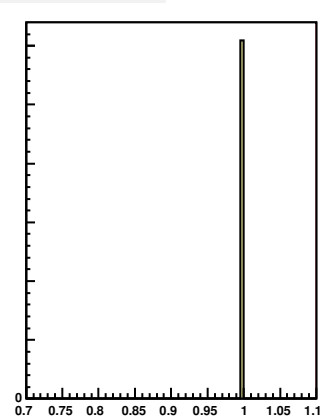
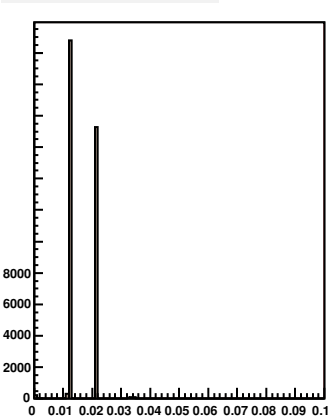


Zee-Weight Error for ALL



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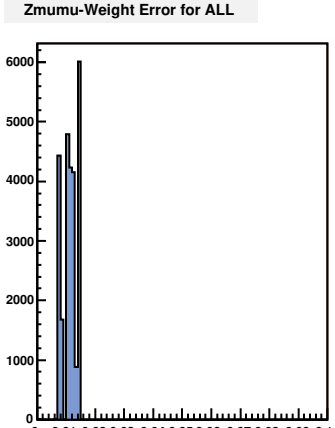

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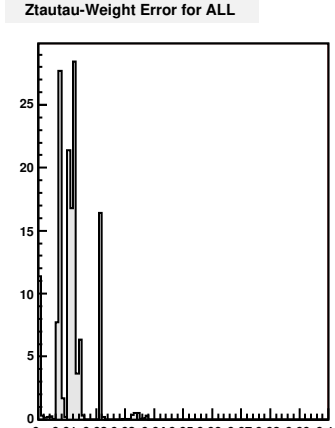
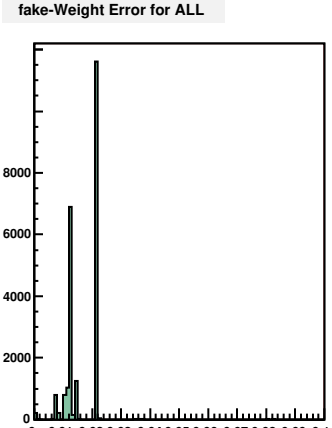


fake-Weight Error for ALL



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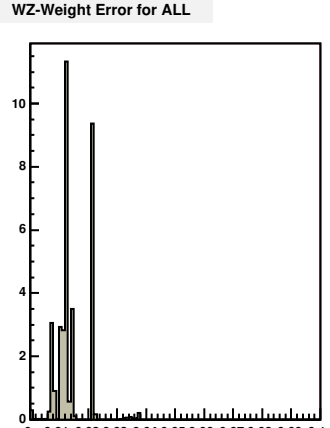

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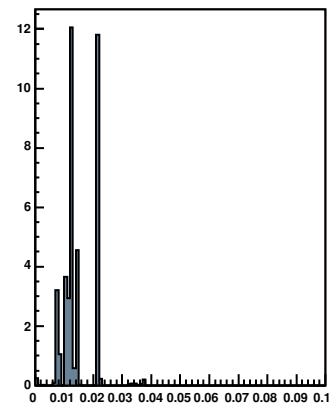

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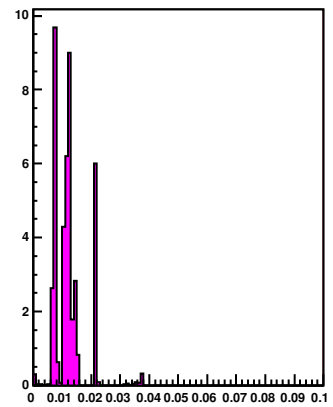
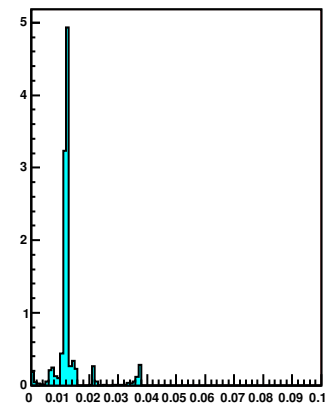
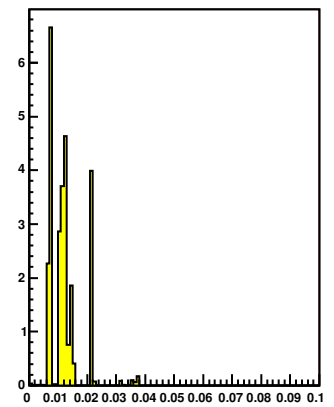


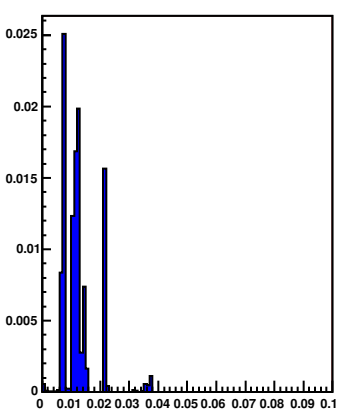
wgamma-Weight Error for ALL



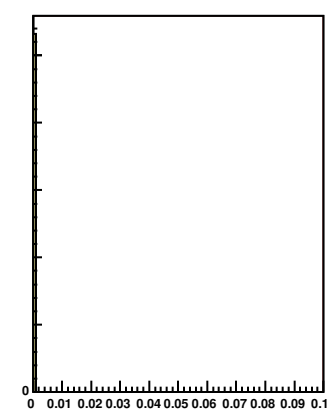
ttbar-Weight Error for ALL



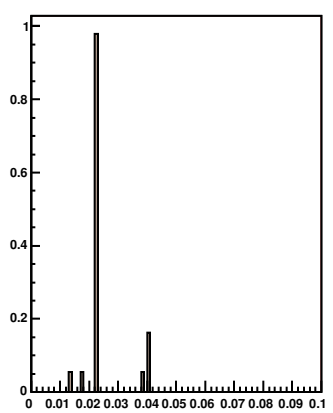
higgsww-Weight Error for ALL



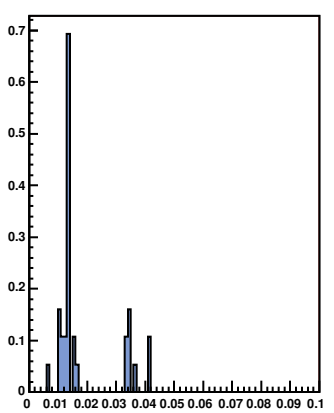
data-Weight Error for ALL



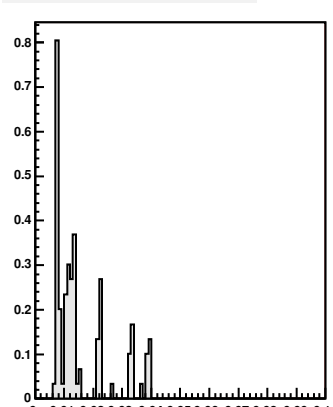
Zee-Relative Weight Error for ALL



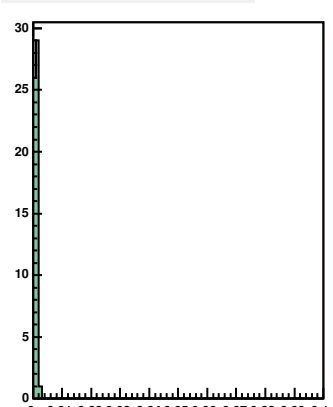
Zmumu-Relative Weight Error for ALL



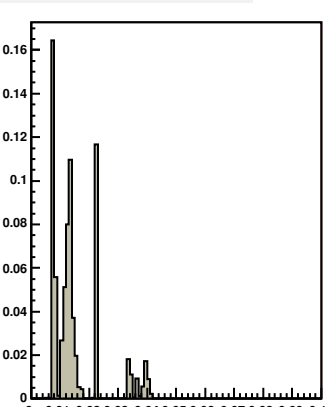
Ztautau-Relative Weight Error for ALL



fake-Relative Weight Error for ALL



WZ-Relative Weight Error for ALL



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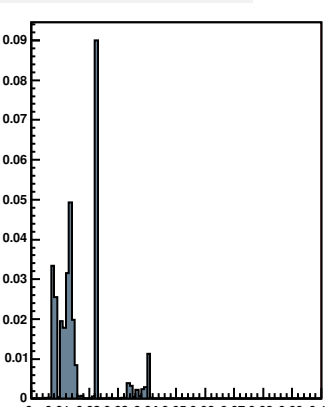

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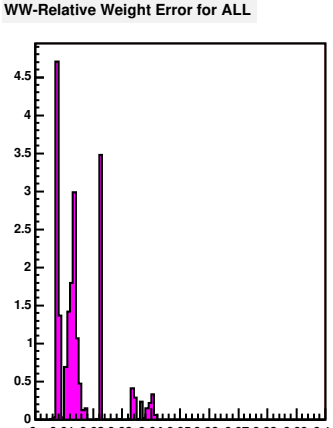
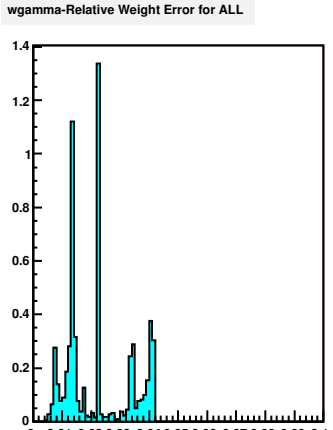
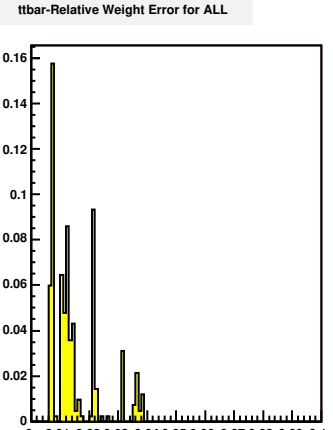


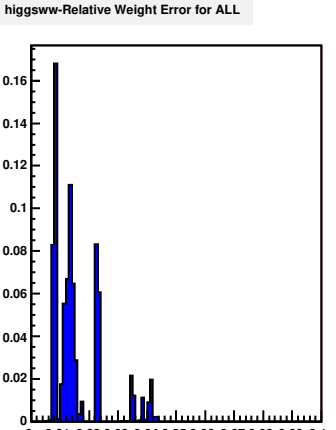
wgamma-Relative Weight Error for ALL



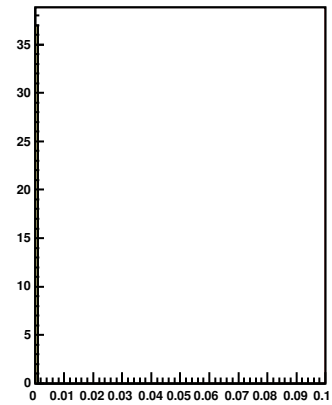
ttbar-Relative Weight Error for ALL



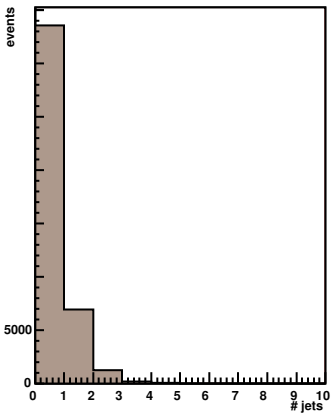
higgsww-Relative Weight Error for ALL



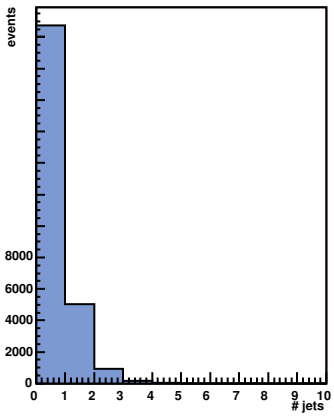
data-Relative Weight Error for ALL



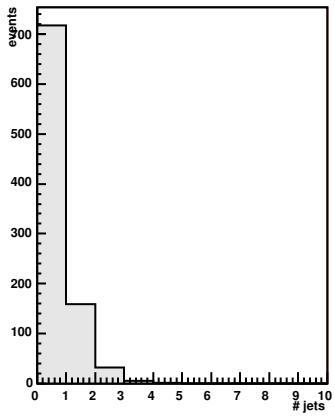
Zee-Number of Jets in before Jet cut



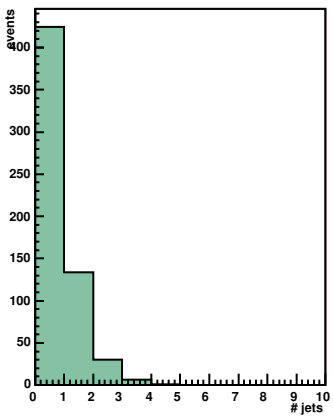
Zmumu-Number of Jets in before Jet cut



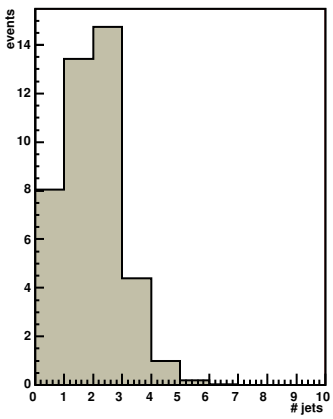
Ztautau-Number of Jets in before Jet cut



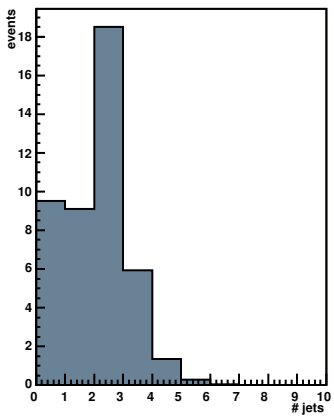
fake-Number of Jets in before Jet cut



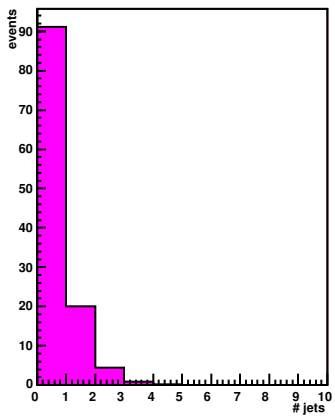
WZ-Number of Jets in before Jet cut



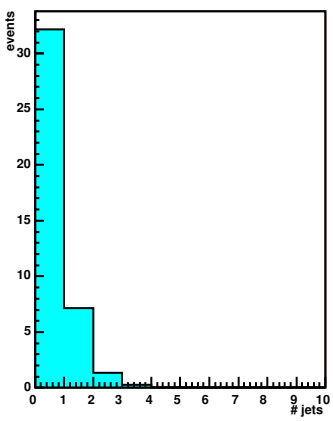
ZZ-Number of Jets in before Jet cut



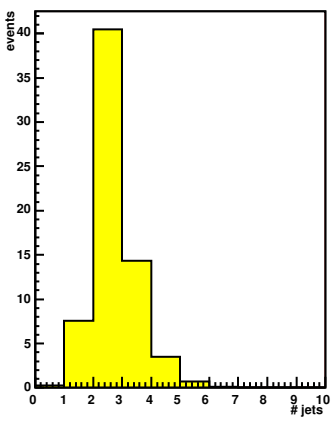
WW-Number of Jets in before Jet cut



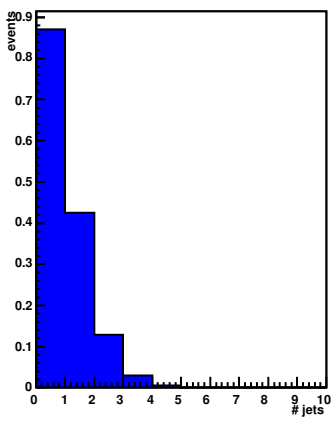
wgamma-Number of Jets in before Jet cut



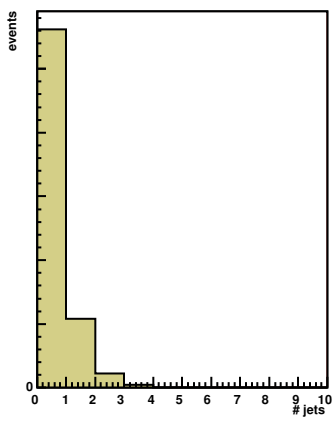
ttbar-Number of Jets in before Jet cut



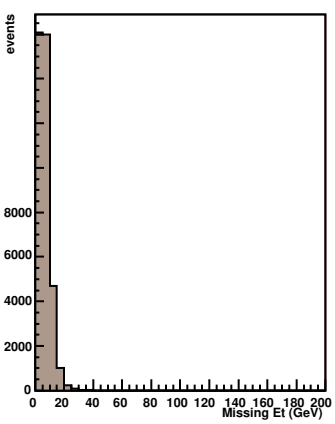
higgsww-Number of Jets in before Jet cut



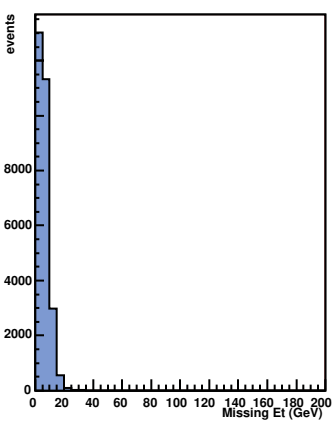
data-Number of Jets in before Jet cut



Zee-Missing Et before missing et cut



Zmumu-Missing Et before missing et cut



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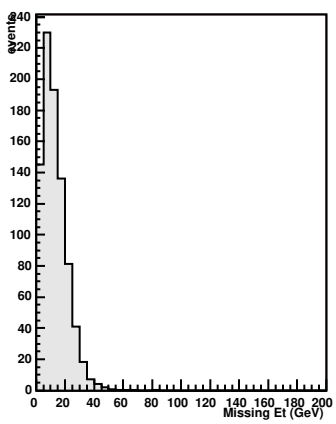
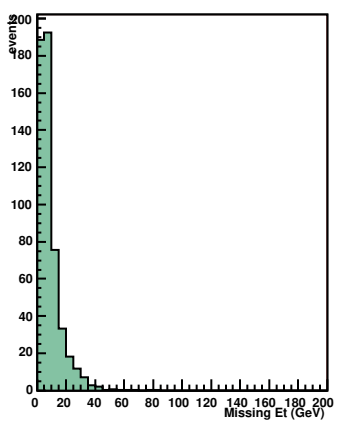
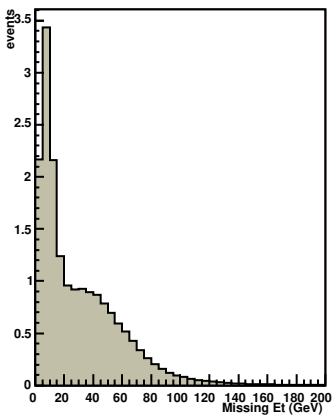


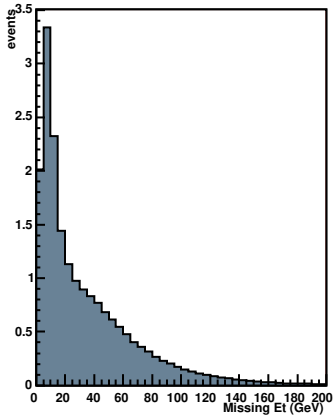
fake-Missing Et before missing et cut



WZ-Missing Et before missing et cut



ZZ-Missing Et before missing et cut



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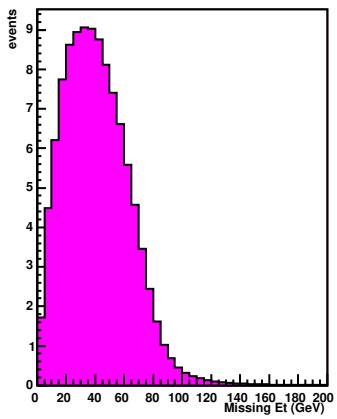
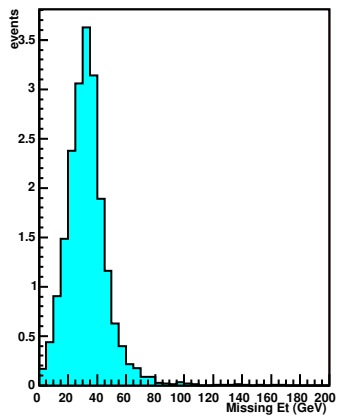
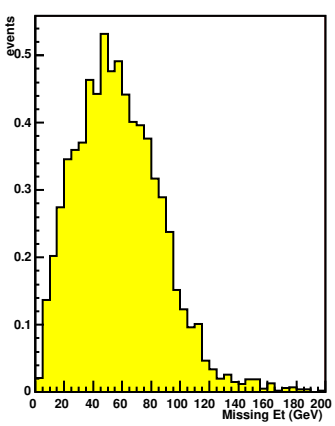


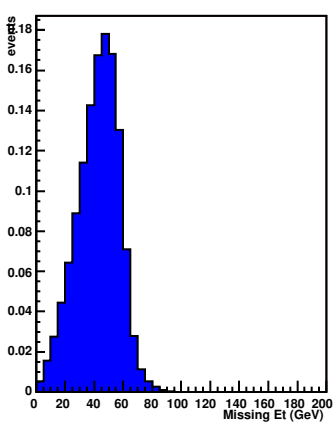
wgamma-Missing Et before missing et cut



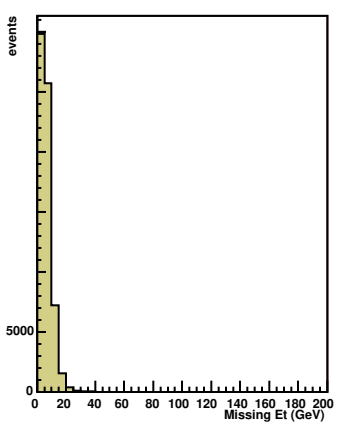
ttbar-Missing Et before missing et cut



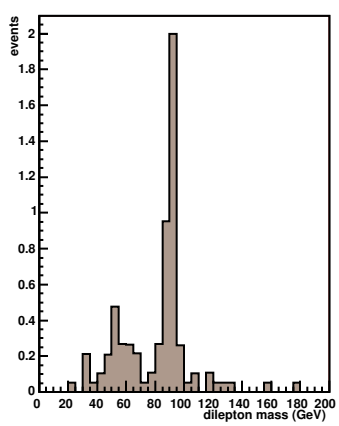
higgsww-Missing Et before missing et cut



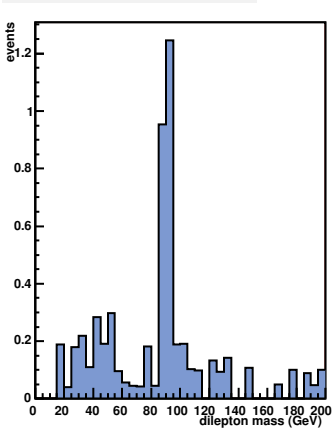
data-Missing Et before missing et cut



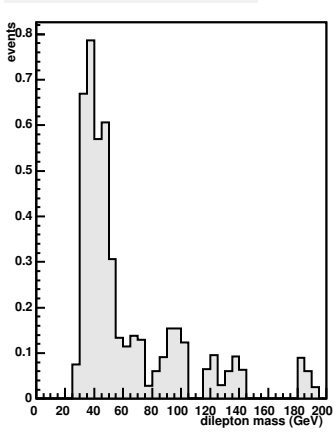
Zee-dilepton mass before dilepton mass cut



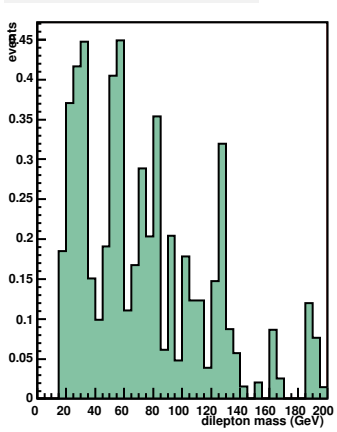
Zmumu-dilepton mass before dilepton mass cut



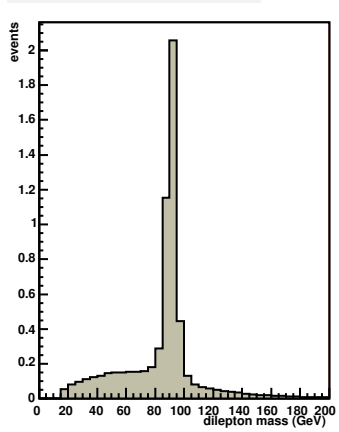
Ztautau-dilepton mass before dilepton mass cut



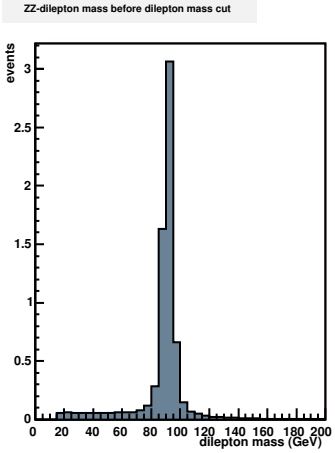
fake-dilepton mass before dilepton mass cut



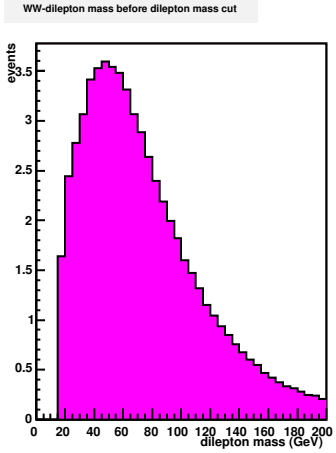
WZ-dilepton mass before dilepton mass cut



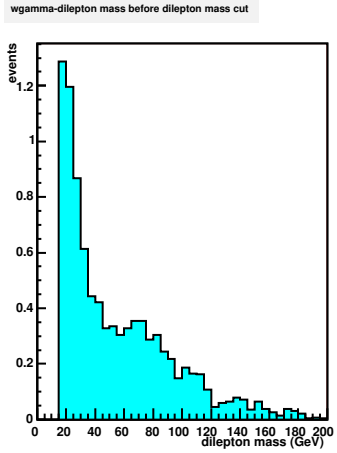
ZZ-dilepton mass before dilepton mass cut



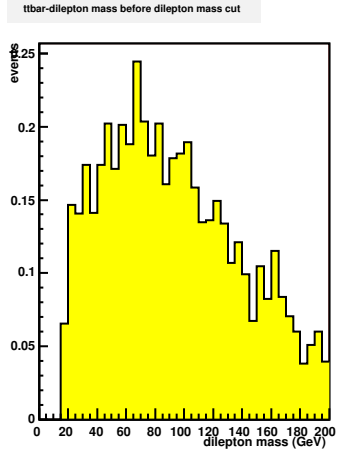
WW-dilepton mass before dilepton mass cut



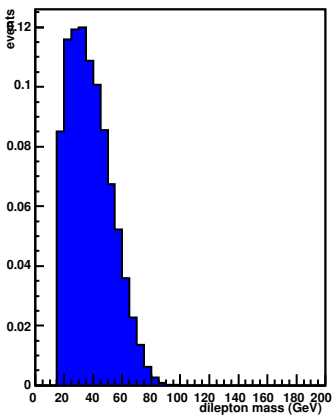
wgamma-dilepton mass before dilepton mass cut



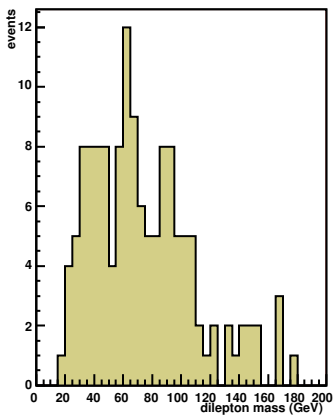
ttbar-dilepton mass before dilepton mass cut



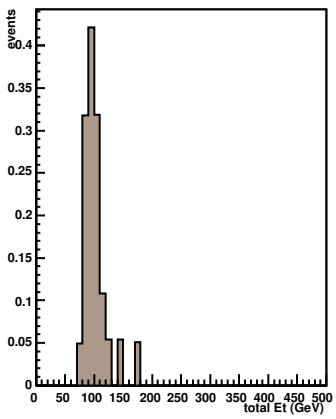
higgsww-dilepton mass before dilepton mass cut



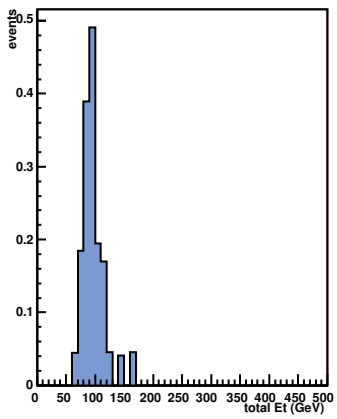
data-dilepton mass before dilepton mass cut



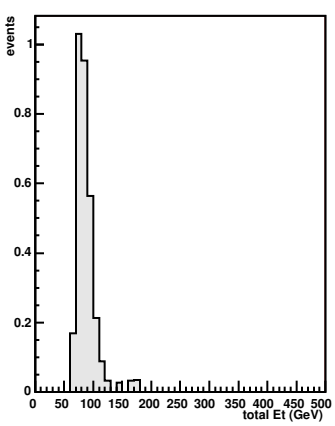
Zee-total Et in before total et cut



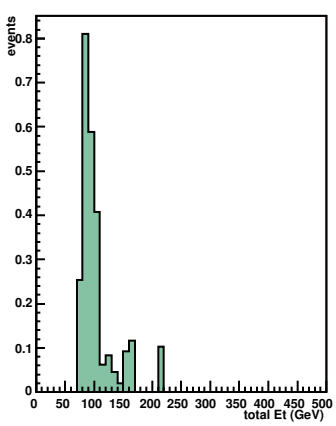
Zmumu-total Et in before total et cut



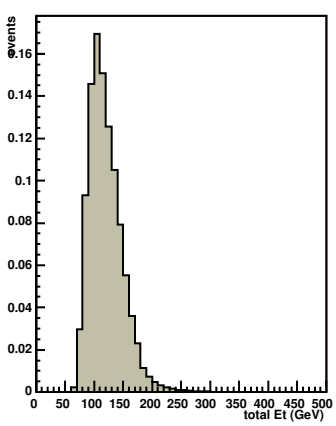
Ztautau-total Et in before total et cut



fake-total Et in before total et cut



WZ-total Et in before total et cut



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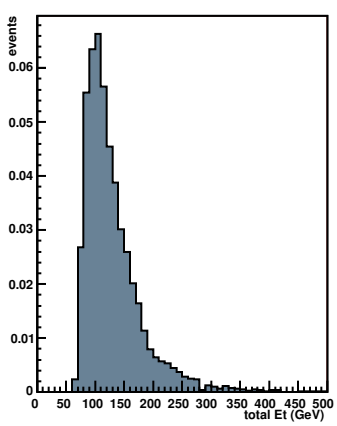

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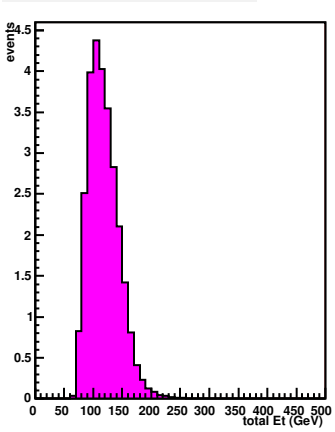
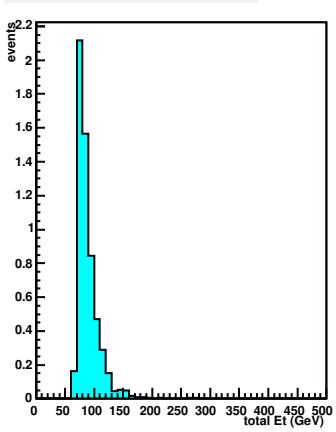
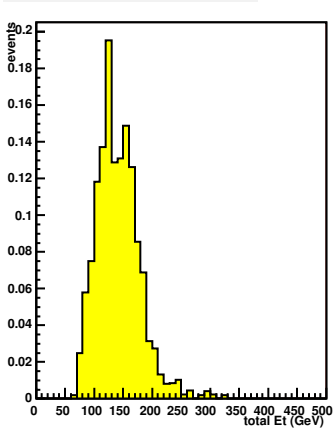


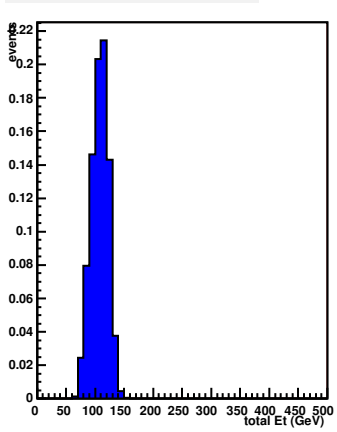
wgamma-total Et in before total et cut



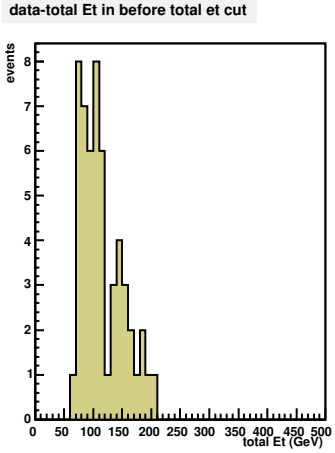
ttbar-total Et in before total et cut



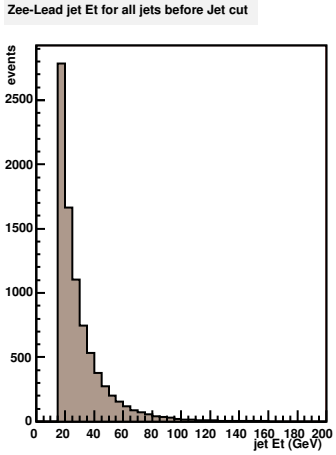
higgsww-total Et in before total et cut



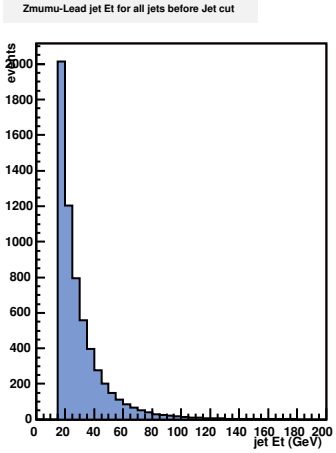
data-total Et in before total et cut



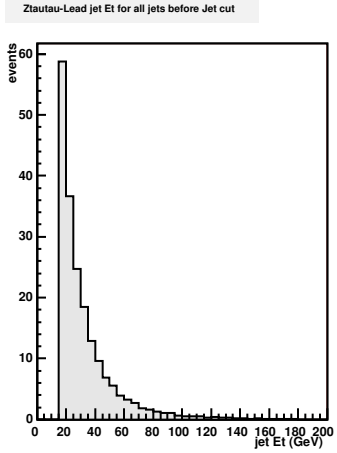
Zee-Lead jet Et for all jets before Jet cut



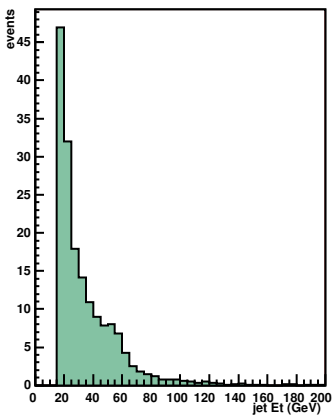
Zmumu-Lead jet Et for all jets before Jet cut



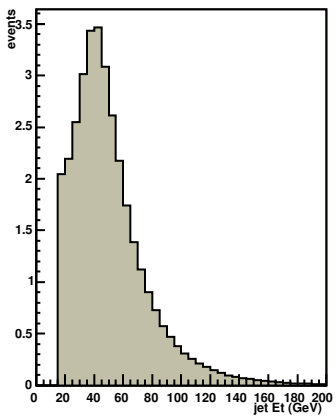
Ztautau-Lead jet Et for all jets before Jet cut



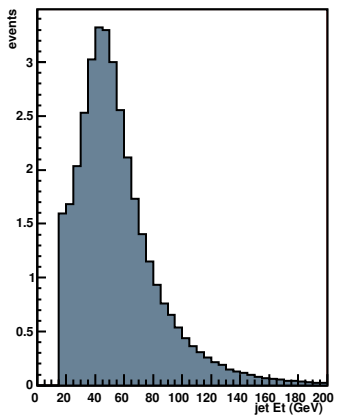
fake-Lead jet Et for all jets before Jet cut



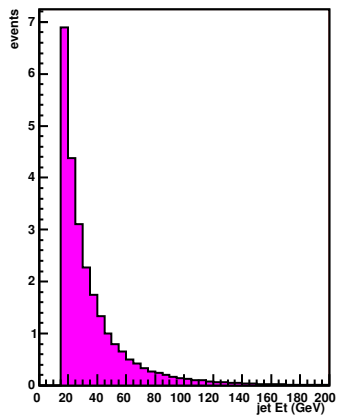
WZ-Lead jet Et for all jets before Jet cut



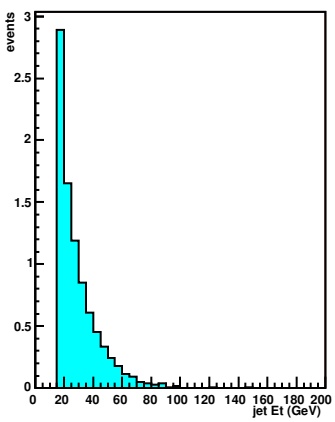
ZZ-Lead jet Et for all jets before Jet cut



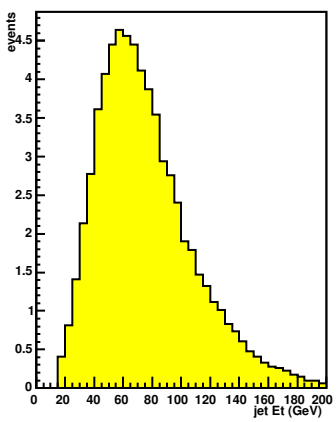
WW-Lead jet Et for all jets before Jet cut



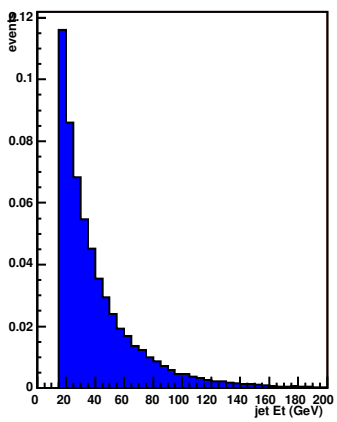
wgamma-Lead jet Et for all jets before Jet cut



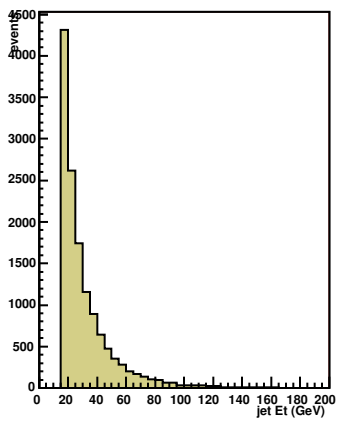
ttbar-Lead jet Et for all jets before Jet cut



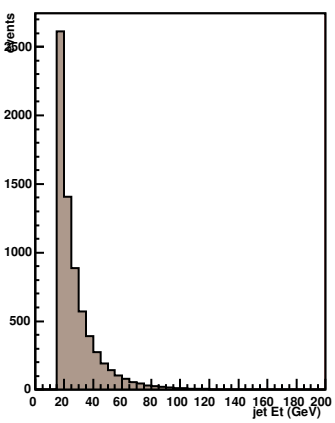
higgsww-Lead jet Et for all jets before Jet cut



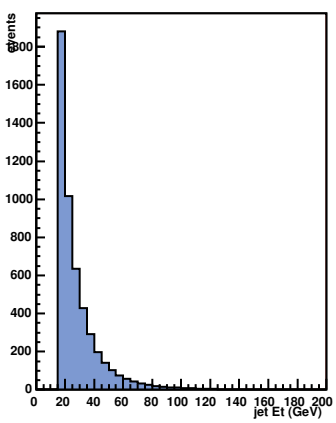
data-Lead jet Et for all jets before Jet cut



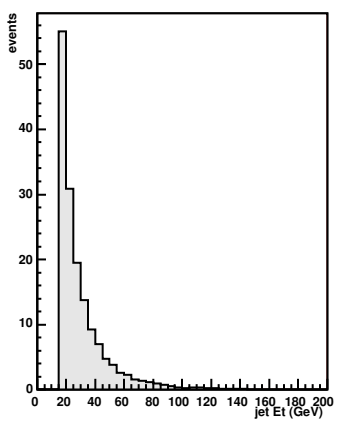
Zee-Lead jet Et for one jet before Jet cut



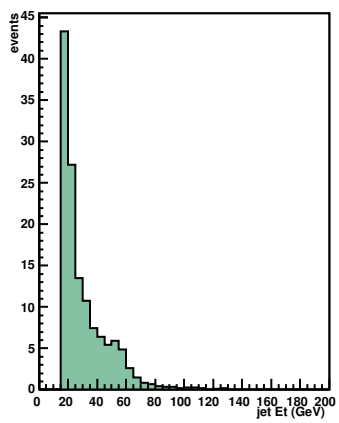
Zmumu-Lead jet Et for one jet before Jet cut



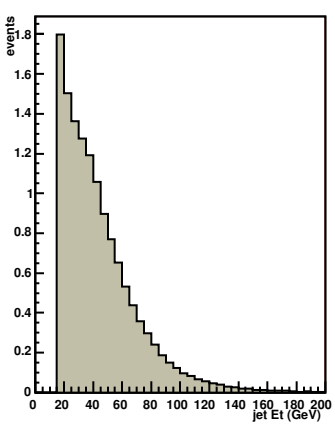
Ztautau-Lead jet Et for one jet before Jet cut



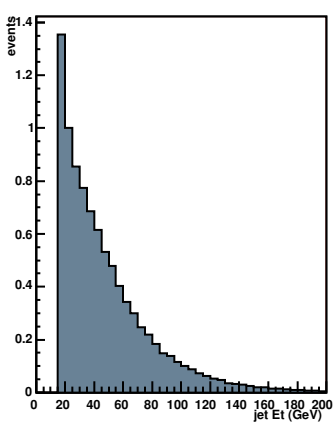
fake-Lead jet Et for one jet before Jet cut



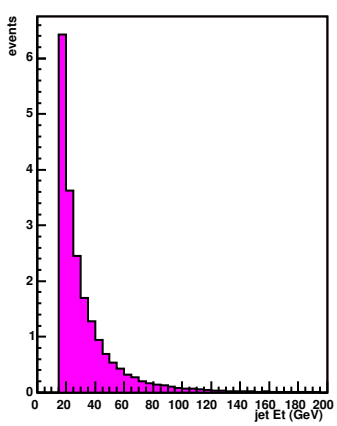
WZ-Lead jet Et for one jet before Jet cut



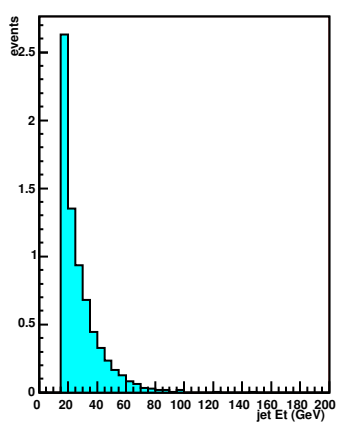
ZZ-Lead jet Et for one jet before Jet cut



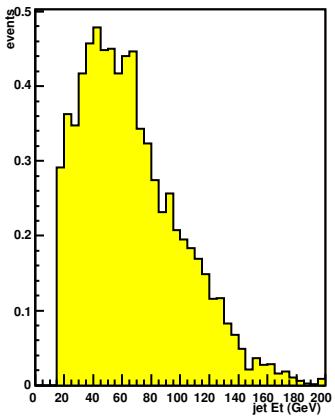
WW-Lead jet Et for one jet before Jet cut



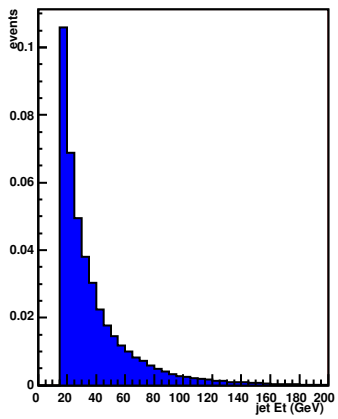
wgamma-Lead jet Et for one jet before Jet cut



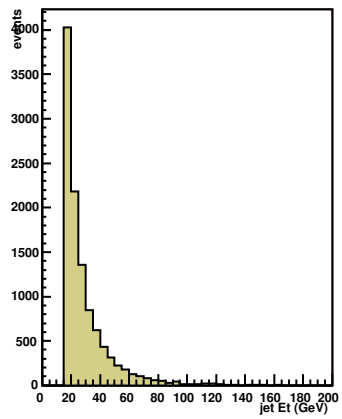
ttbar-Lead jet Et for one jet before Jet cut



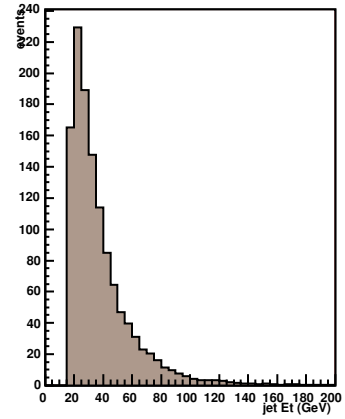
higgsww-Lead jet Et for one jet before Jet cut



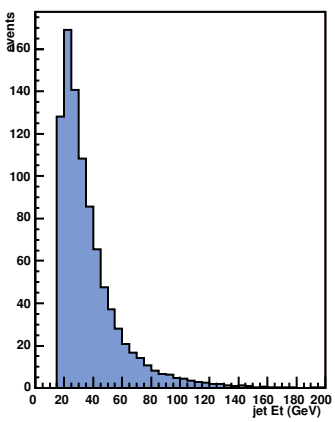
data-Lead jet Et for one jet before Jet cut



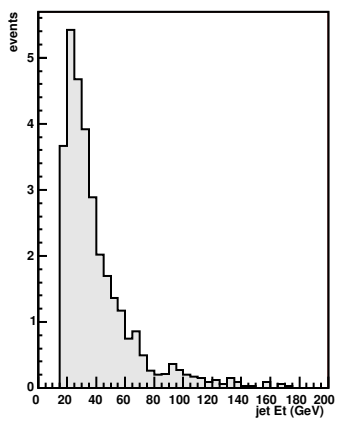
Zee-Lead jet Et for two jets in before Jet cut



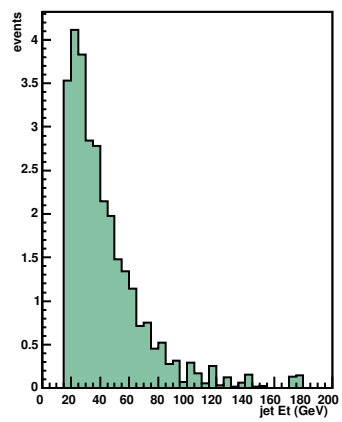
Zmumu-Lead jet Et for two jets in before Jet cut



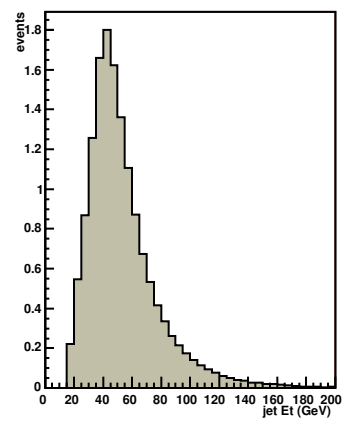
Ztautau-Lead jet Et for two jets in before Jet cut



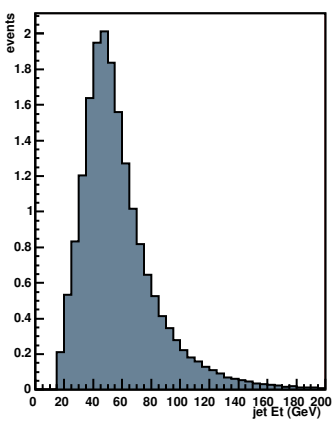
fake-Lead jet Et for two jets in before Jet cut



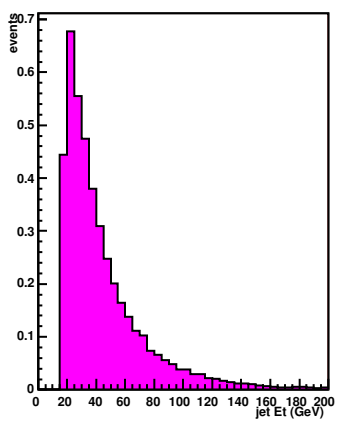
WZ-Lead jet Et for two jets in before Jet cut



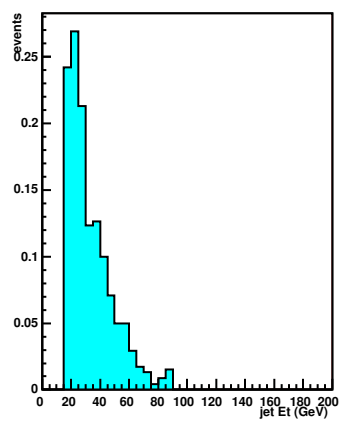
ZZ-Lead jet Et for two jets in before Jet cut



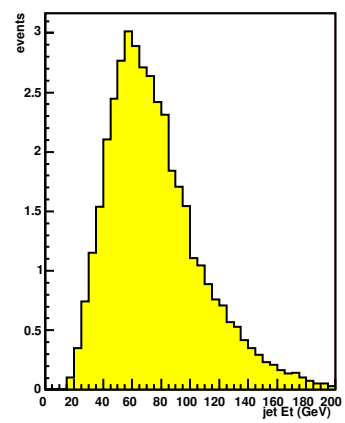
WW-Lead jet Et for two jets in before Jet cut



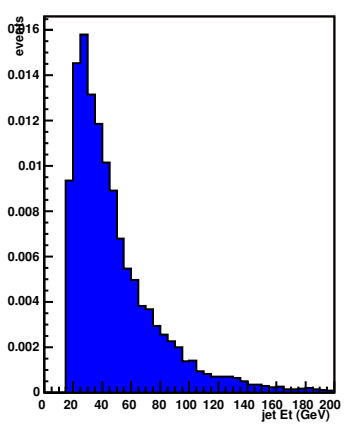
wgamma-Lead jet Et for two jets in before Jet cut



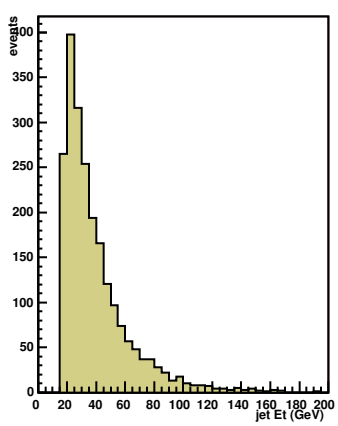
ttbar-Lead jet Et for two jets in before Jet cut



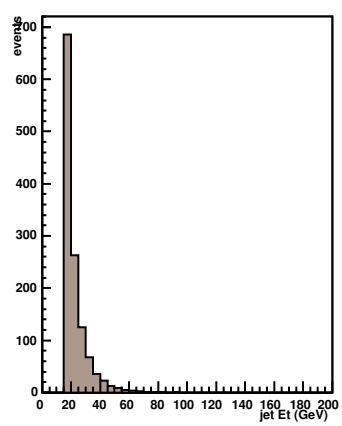
higgsww-Lead jet Et for two jets in before Jet cut



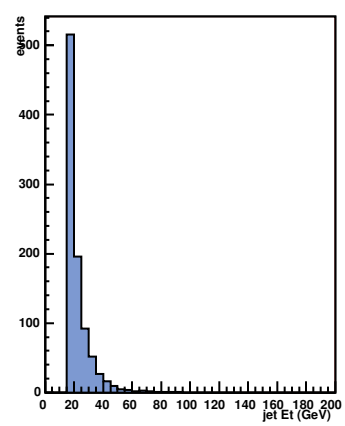
data-Lead jet Et for two jets in before Jet cut



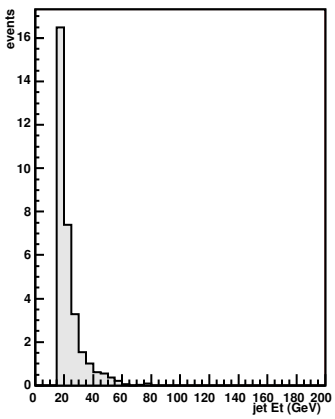
Zee-Second jet Et for two jets before Jet cut



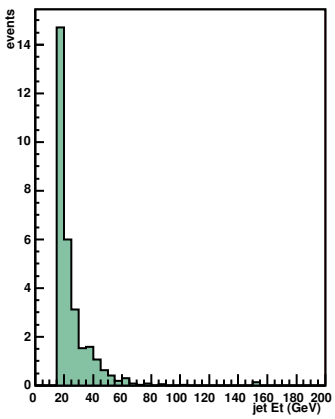
Zmumu-Second jet Et for two jets before Jet cut



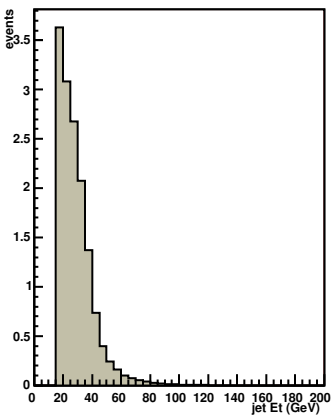
Ztautau-Second jet Et for two jets before Jet cut



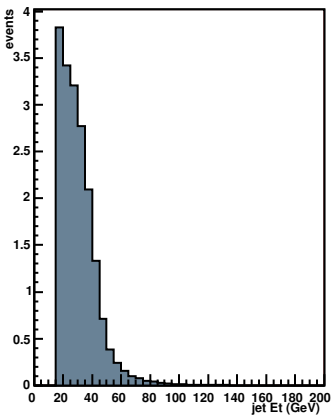
fake-Second jet Et for two jets before Jet cut



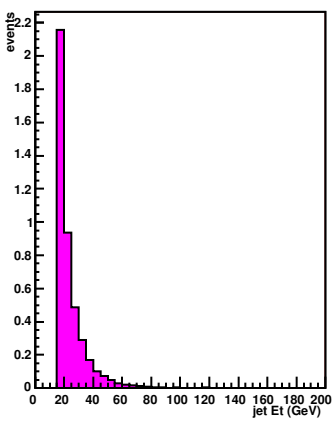
WZ-Second jet Et for two jets before Jet cut



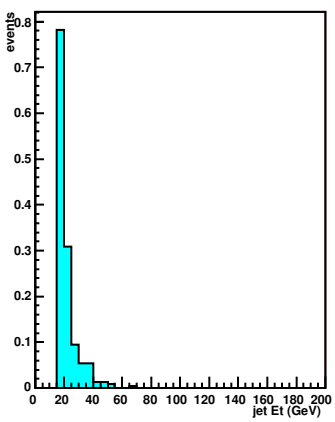
ZZ-Second jet Et for two jets before Jet cut



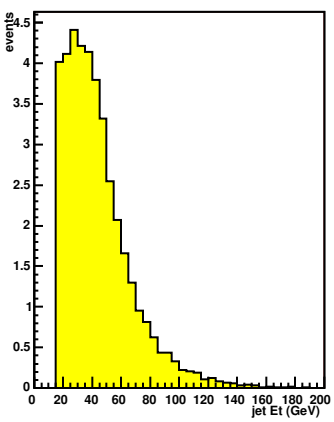
WW-Second jet Et for two jets before Jet cut



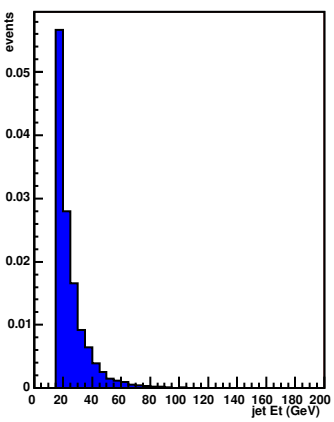
wgamma-Second jet Et for two jets before Jet cut



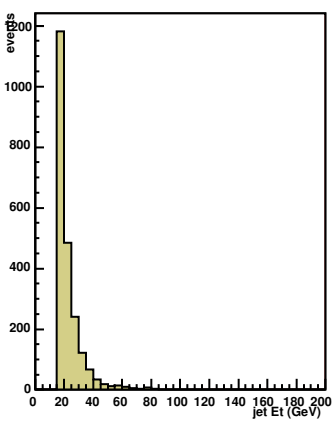
ttbar-Second jet Et for two jets before Jet cut



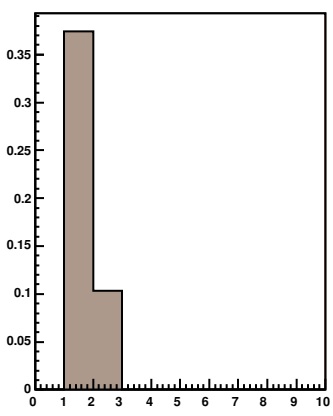
higgsww-Second jet Et for two jets before Jet cut



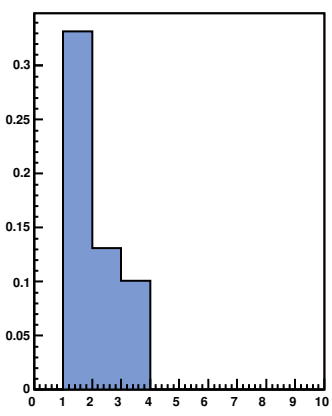
data-Second jet Et for two jets before Jet cut



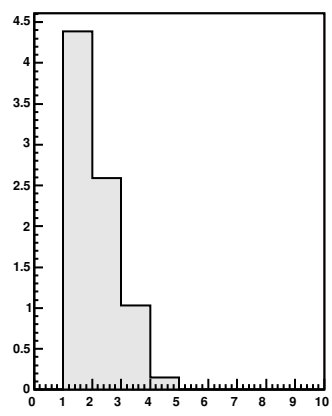
Zee-Number of Jets inALL in Nm1 Jet cut



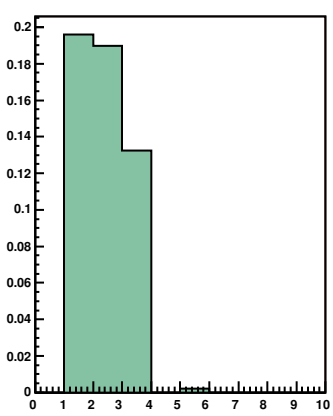
Zmumu-Number of Jets inALL in Nm1 Jet cut



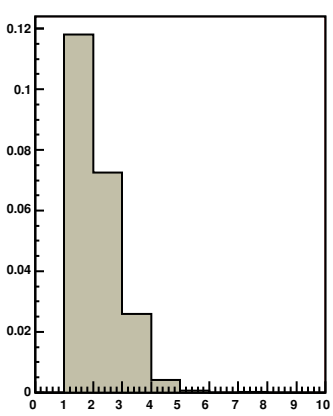
Ztautau-Number of Jets inALL in Nm1 Jet cut



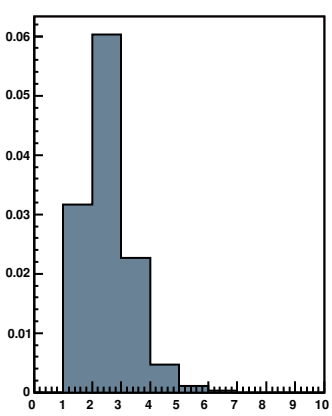
fake-Number of Jets inALL in Nm1 Jet cut



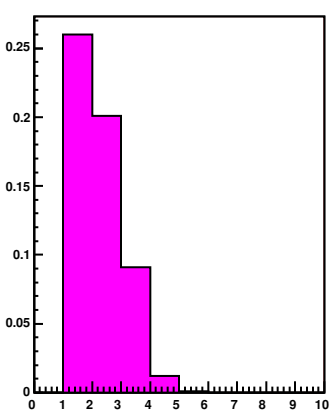
WZ-Number of Jets inALL in Nm1 Jet cut



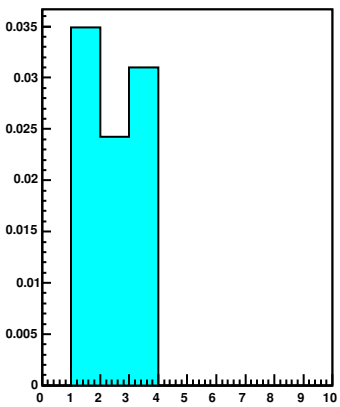
ZZ-Number of Jets inALL in Nm1 Jet cut



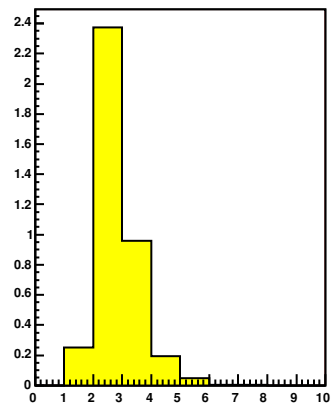
WW-Number of Jets inALL in Nm1 Jet cut



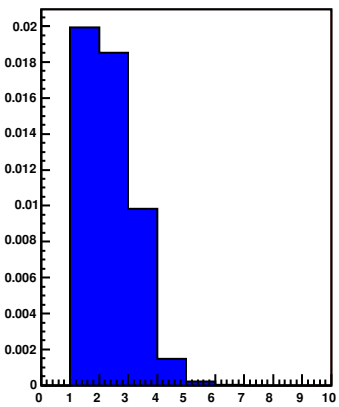
wgamma-Number of Jets inALL in Nm1 Jet cut



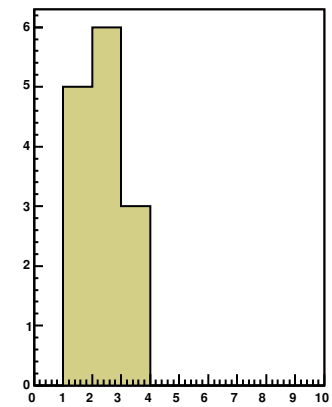
ttbar-Number of Jets inALL in Nm1 Jet cut



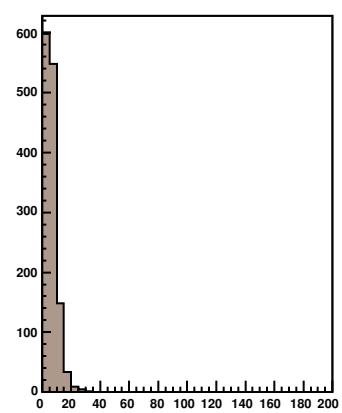
higgsww-Number of Jets inALL in Nm1 Jet cut



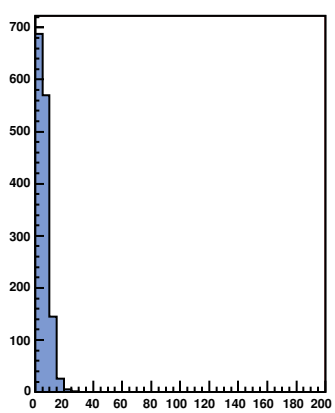
data-Number of Jets inALL in Nm1 Jet cut



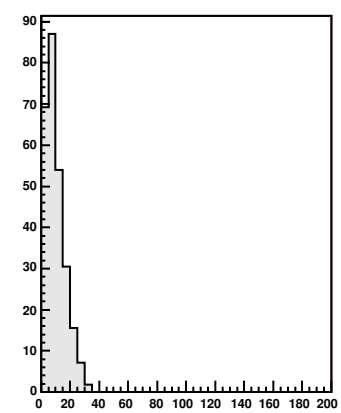
Zee-Missing Et inALL in Nm1 missing et cut



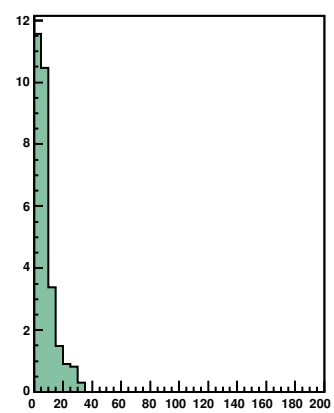
Zmumu-Missing Et inALL in Nm1 missing et cut



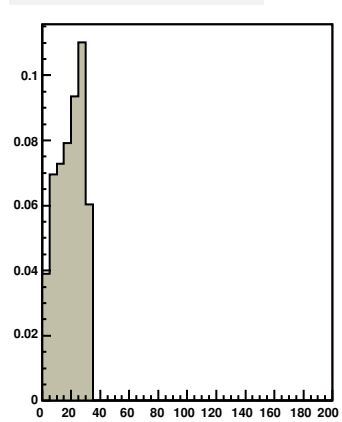
Ztautau-Missing Et inALL in Nm1 missing et cut



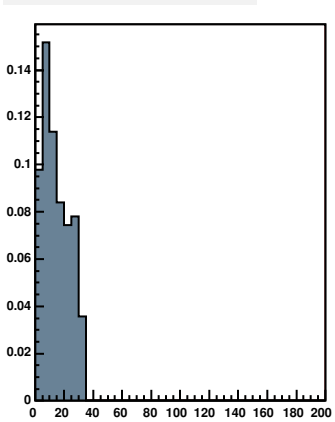
fake-Missing Et inALL in Nm1 missing et cut



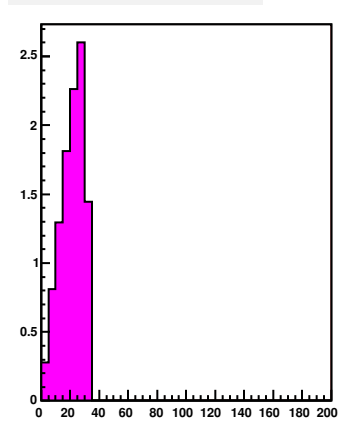
WZ-Missing Et inALL in Nm1 missing et cut



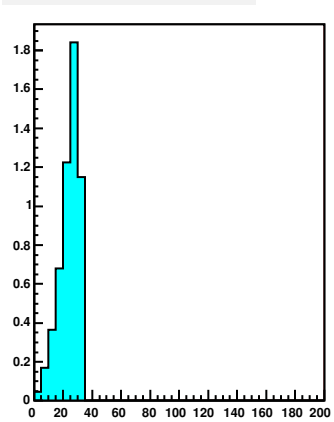
ZZ-Missing Et inALL in Nm1 missing et cut



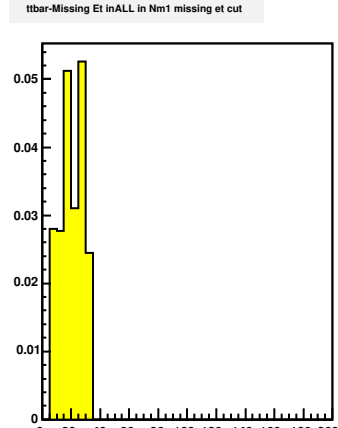
WW-Missing Et inALL in Nm1 missing et cut



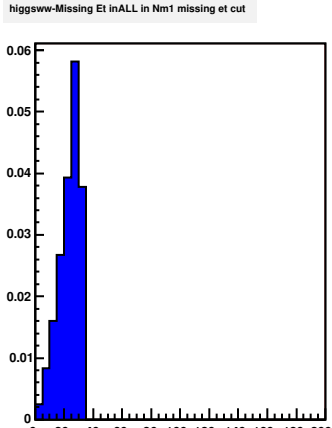
wgamma-Missing Et inALL in Nm1 missing et cut



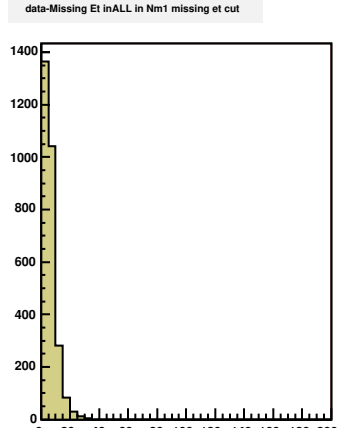
ttbar-Missing Et inALL in Nm1 missing et cut



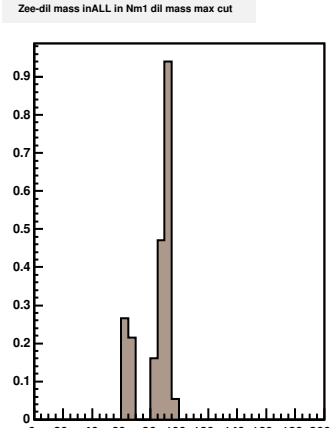
higgsww-Missing Et inALL in Nm1 missing et cut



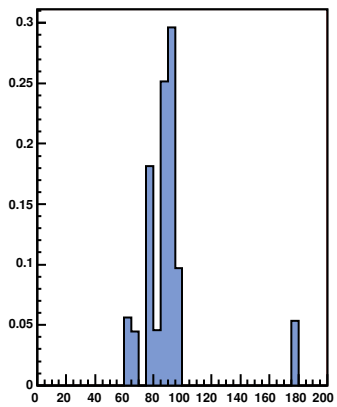
data-Missing Et inALL in Nm1 missing et cut



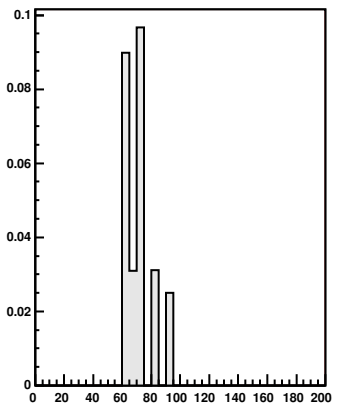
Zee-dil mass inALL in Nm1 dil mass max cut



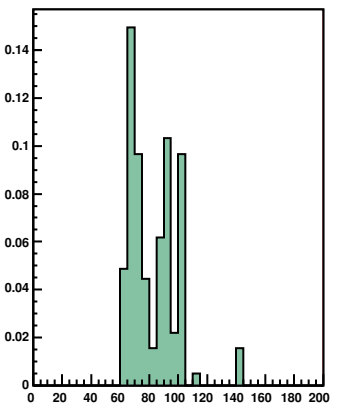
Zmumu-dil mass inALL in Nm1 dil mass max cut



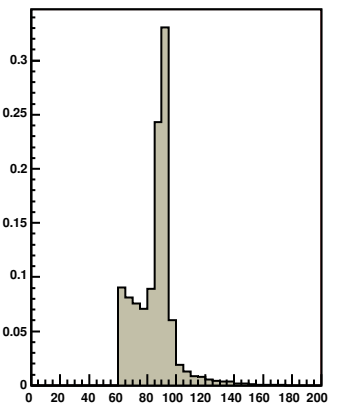
Ztautau-dil mass inALL in Nm1 dil mass max cut



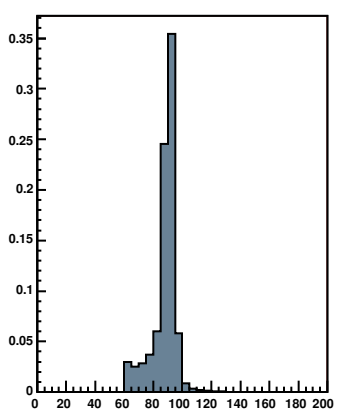
fake-dil mass inALL in Nm1 dil mass max cut



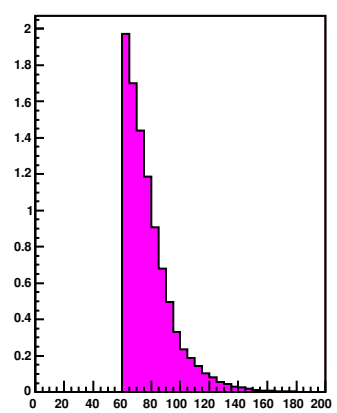
WZ-dil mass inALL in Nm1 dil mass max cut



ZZ-dil mass inALL in Nm1 dil mass max cut



WW-dil mass inALL in Nm1 dil mass max cut



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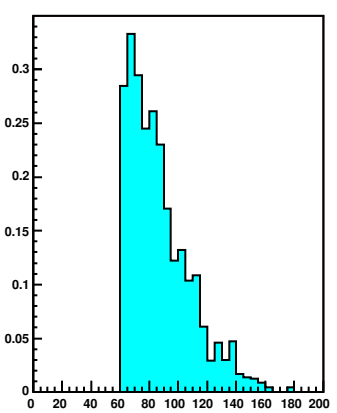
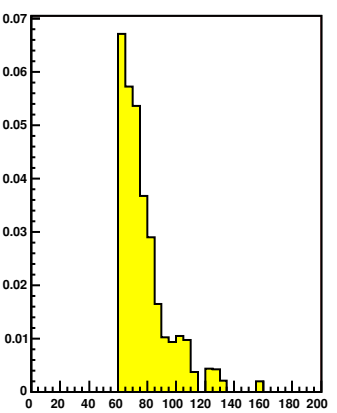
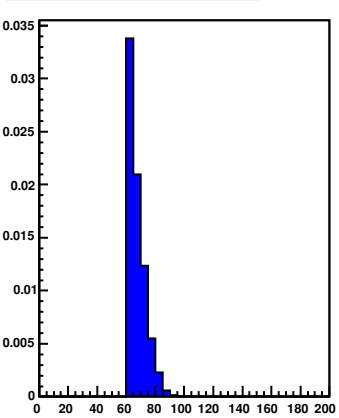


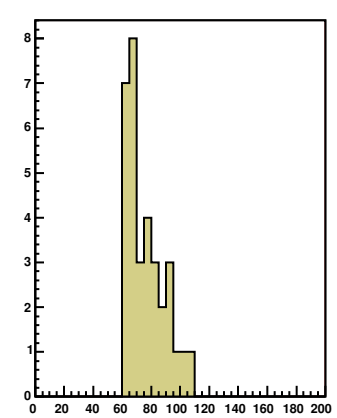
ttbar-dil mass inALL in Nm1 dil mass max cut



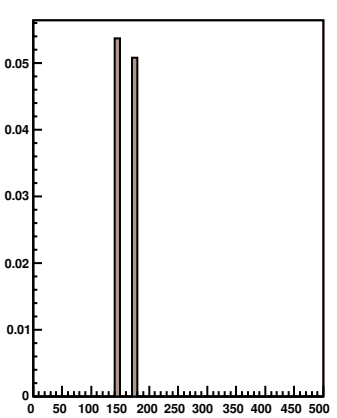
higgsww-dil mass inALL in Nm1 dil mass max cut



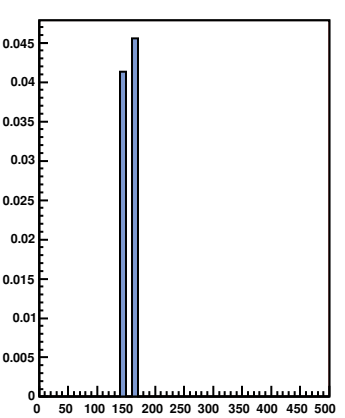
data-dil mass inALL in Nm1 dil mass max cut



Zee-total et inALL in Nm1 total et cut



Zmumu-total et inALL in Nm1 total et cut



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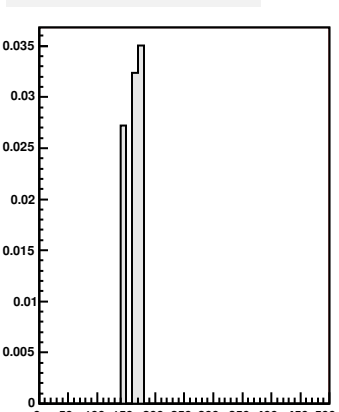
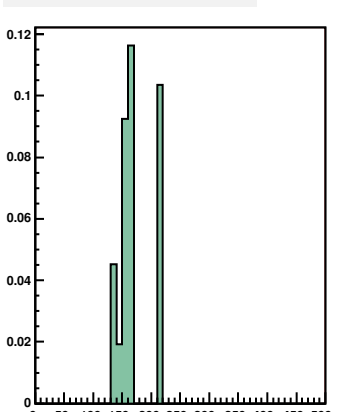


fake-total et inALL in Nm1 total et cut



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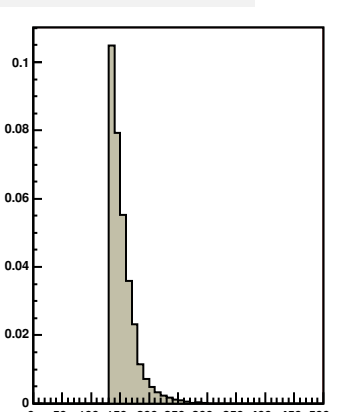

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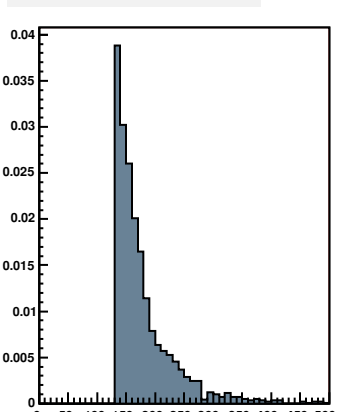

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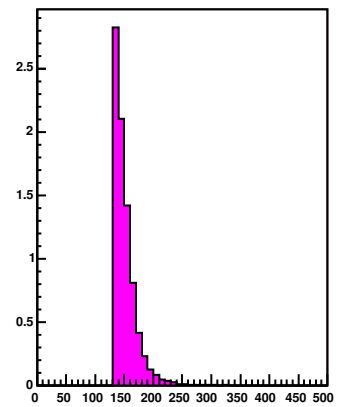
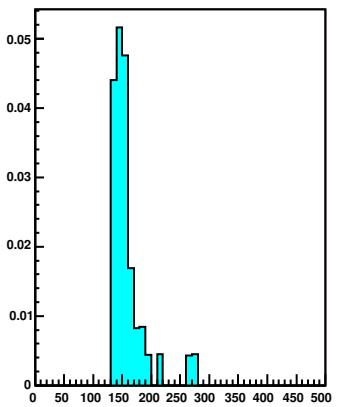
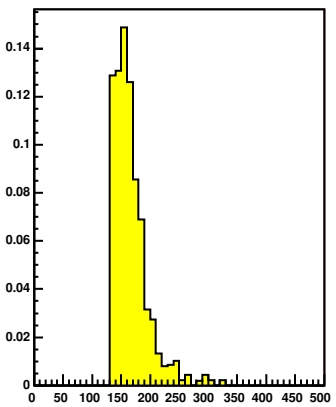


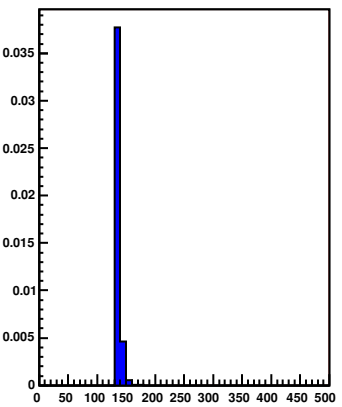
wgamma-total et inALL in Nm1 total et cut



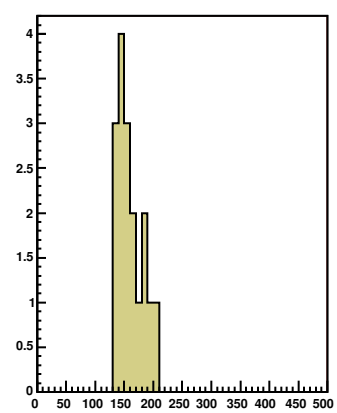
ttbar-total et inALL in Nm1 total et cut



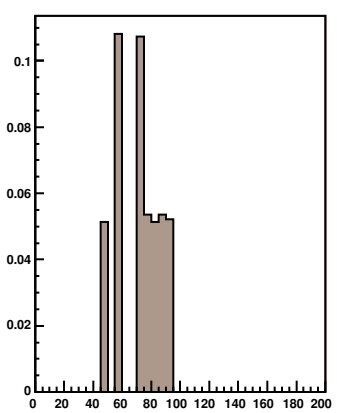
higgsww-total et inALL in Nm1 total et cut



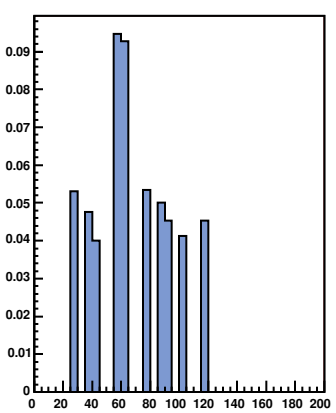
data-total et inALL in Nm1 total et cut



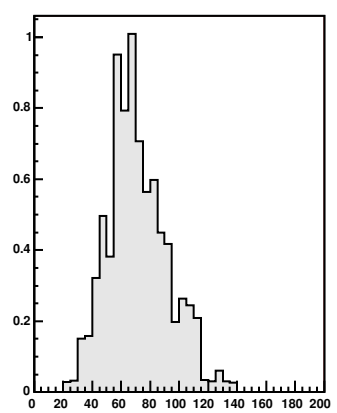
Zee-Lead jet Et for all jets inALL in Nm1 Jet cut



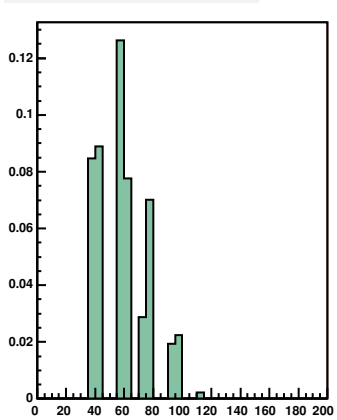
Zmumu-Lead jet Et for all jets inALL in Nm1 Jet cut



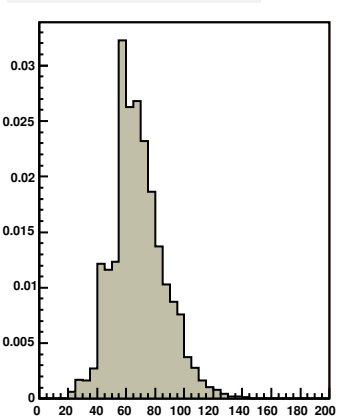
Ztautau-Lead jet Et for all jets inALL in Nm1 Jet cut



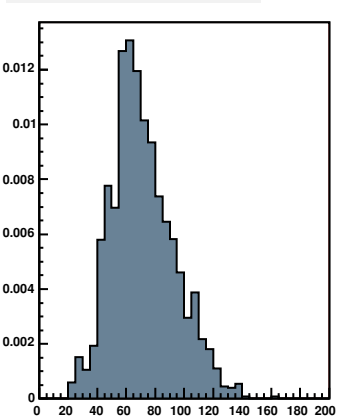
fake-Lead jet Et for all jets inALL in Nm1 Jet cut



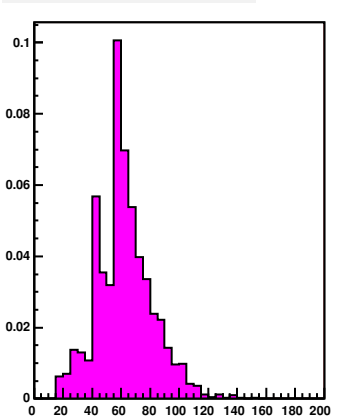
WZ-Lead jet Et for all jets inALL in Nm1 Jet cut



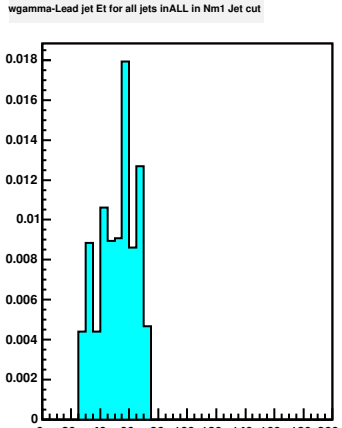
ZZ-Lead jet Et for all jets inALL in Nm1 Jet cut



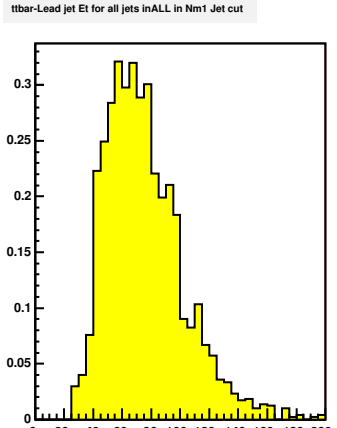
WW-Lead jet Et for all jets inALL in Nm1 Jet cut



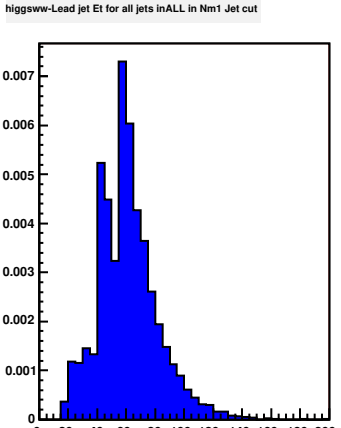
wgamma-Lead jet Et for all jets inALL in Nm1 Jet cut



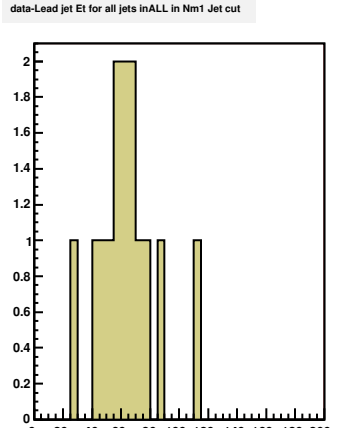
ttbar-Lead jet Et for all jets inALL in Nm1 Jet cut



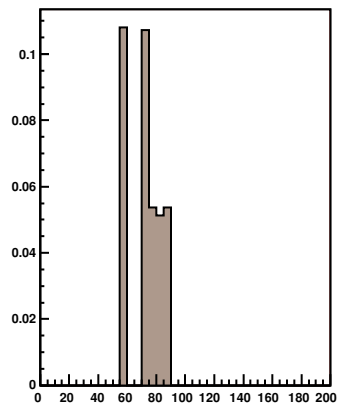
higgsww-Lead jet Et for all jets inALL in Nm1 Jet cut



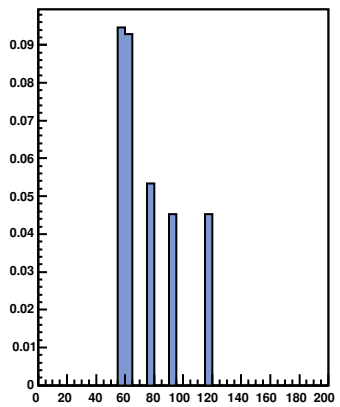
data-Lead jet Et for all jets inALL in Nm1 Jet cut



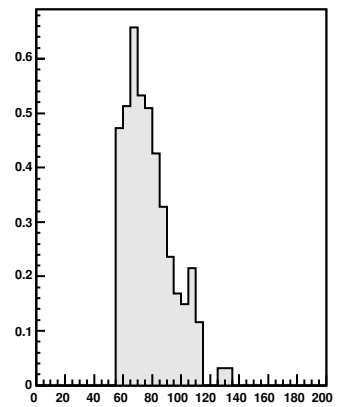
Zee-Lead jet Et for one jet in ALL in Nm1 Jet cut



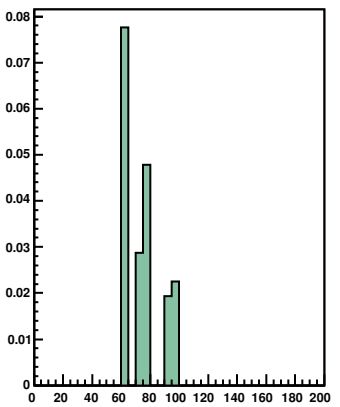
Zmumu-Lead jet Et for one jet in ALL in Nm1 Jet cut



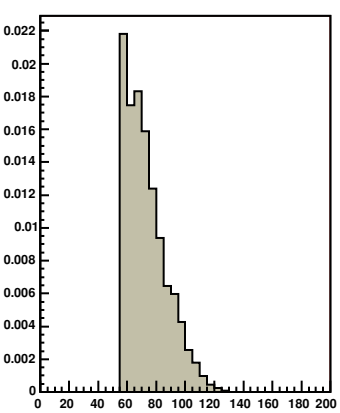
Ztautau-Lead jet Et for one jet in ALL in Nm1 Jet cut



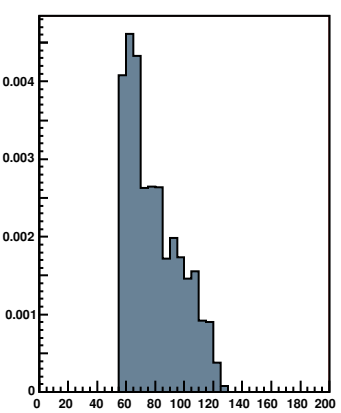
fake-Lead jet Et for one jet in ALL in Nm1 Jet cut



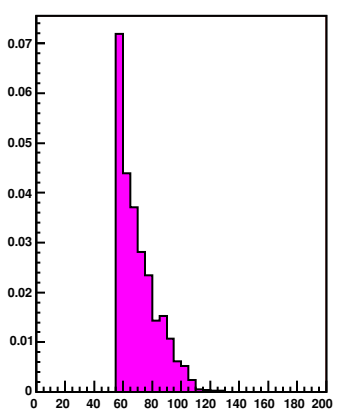
WZ-Lead jet Et for one jet in ALL in Nm1 Jet cut



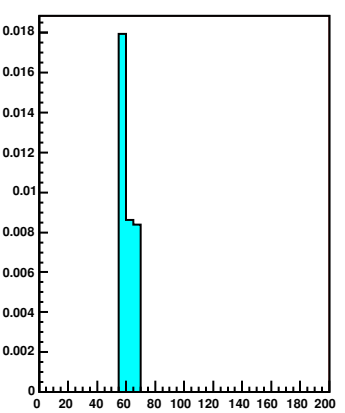
ZZ-Lead jet Et for one jet in ALL in Nm1 Jet cut



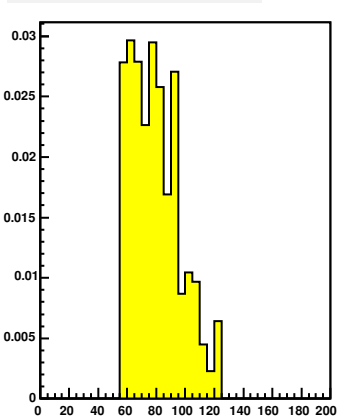
WW-Lead jet Et for one jet in ALL in Nm1 Jet cut



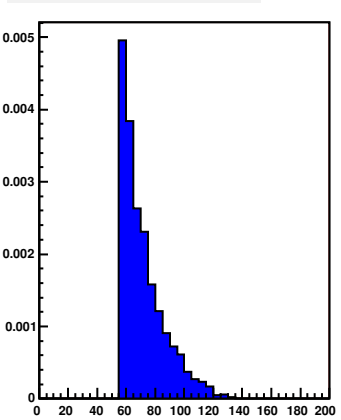
wgamma-Lead jet Et for one jet in ALL in Nm1 Jet cut



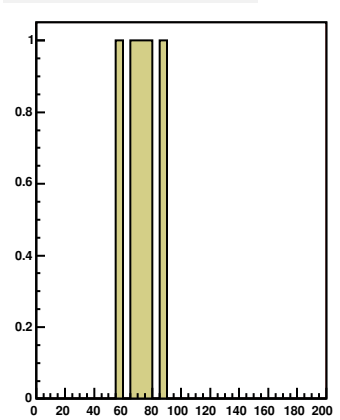
ttbar-Lead jet Et for one jet in ALL in Nm1 Jet cut



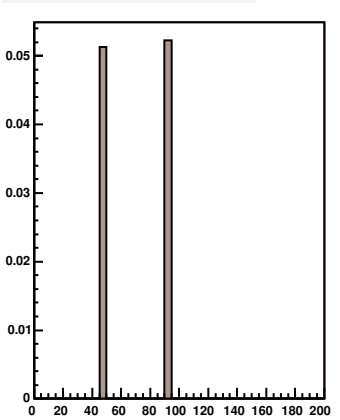
higgsww-Lead jet Et for one jet in ALL in Nm1 Jet cut



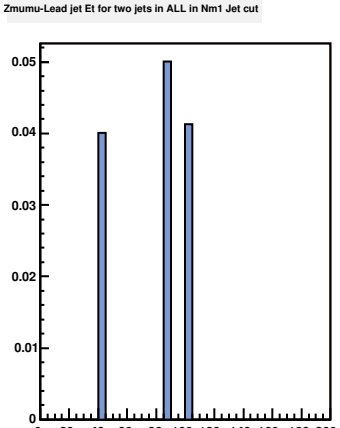
data-Lead jet Et for one jet in ALL in Nm1 Jet cut



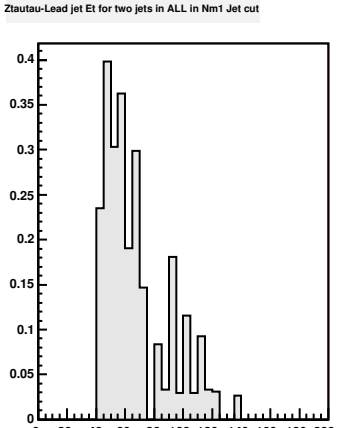
Zee-Lead jet Et for two jets in ALL in Nm1 Jet cut



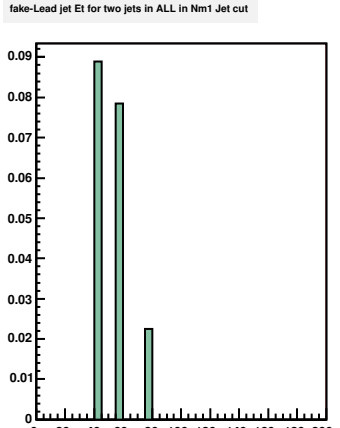
Zmumu-Lead jet Et for two jets in ALL in Nm1 Jet cut



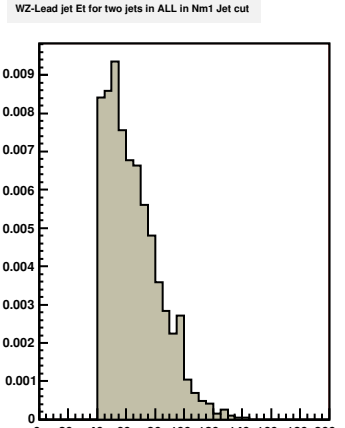
Ztautau-Lead jet Et for two jets in ALL in Nm1 Jet cut



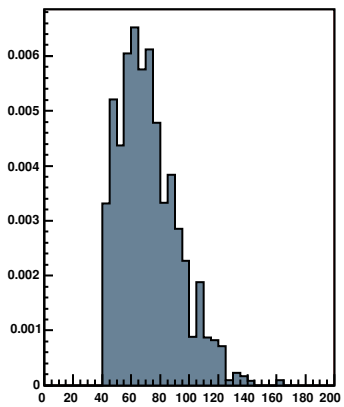
fake-Lead jet Et for two jets in ALL in Nm1 Jet cut



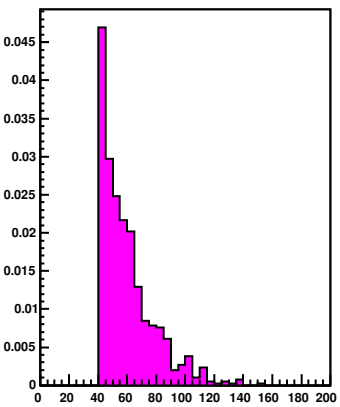
WZ-Lead jet Et for two jets in ALL in Nm1 Jet cut



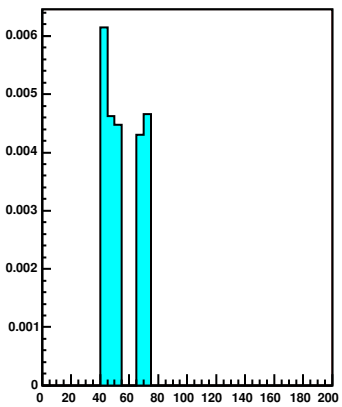
ZZ-Lead jet Et for two jets in ALL in Nm1 Jet cut



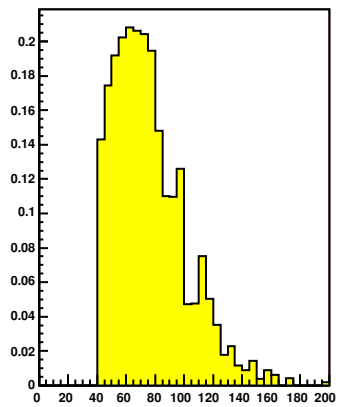
WW-Lead jet Et for two jets in ALL in Nm1 Jet cut



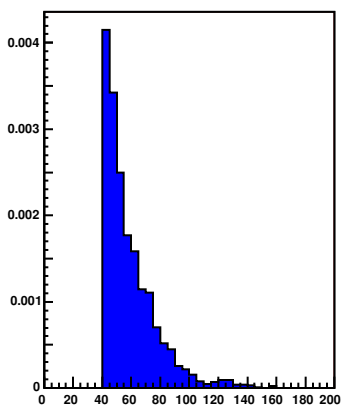
wgamma-Lead jet Et for two jets in ALL in Nm1 Jet cut



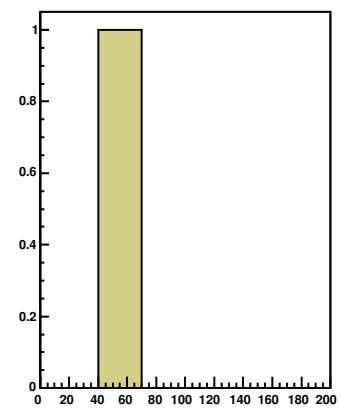
ttbar-Lead jet Et for two jets in ALL in Nm1 Jet cut



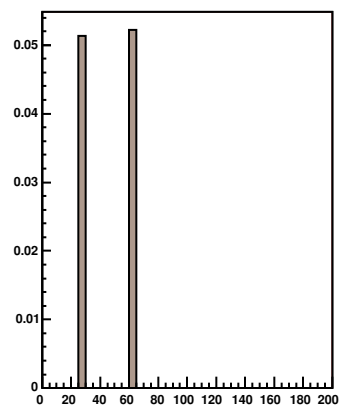
higgsww-Lead jet Et for two jets in ALL in Nm1 Jet cut



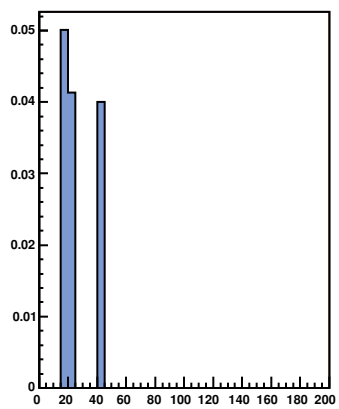
data-Lead jet Et for two jets in ALL in Nm1 Jet cut



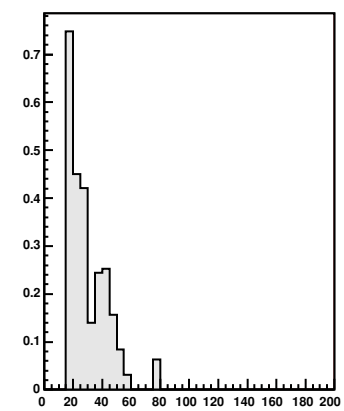
Zee-Second jet Et for two jets in ALL in Nm1 Jet cut



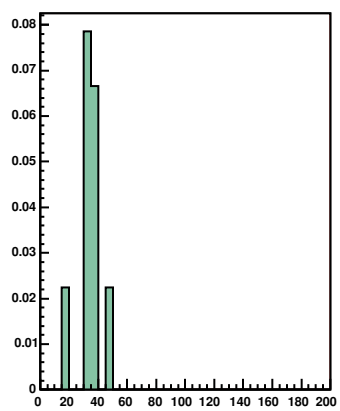
Zmumu-Second jet Et for two jets in ALL in Nm1 Jet cut



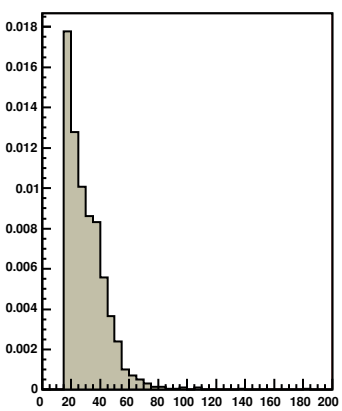
Ztautau-Second jet Et for two jets in ALL in Nm1 Jet cut



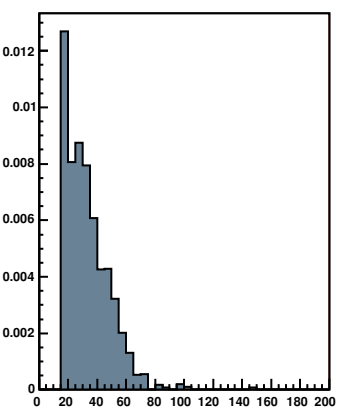
fake-Second jet Et for two jets in ALL in Nm1 Jet cut



WZ-Second jet Et for two jets in ALL in Nm1 Jet cut



ZZ-Second jet Et for two jets in ALL in Nm1 Jet cut



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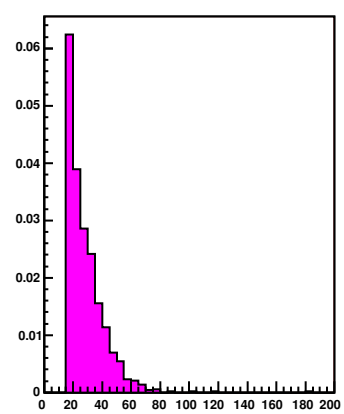

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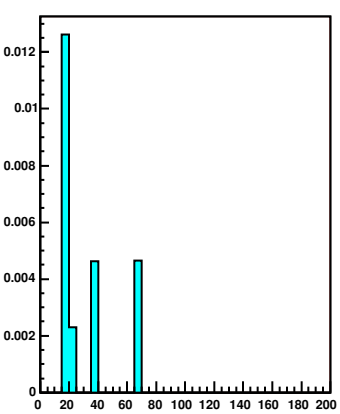
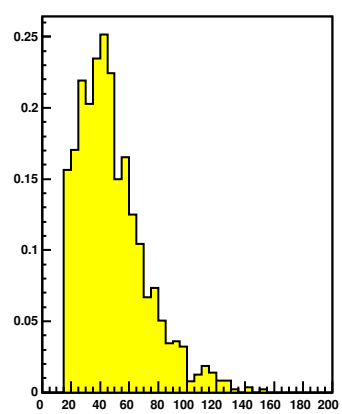
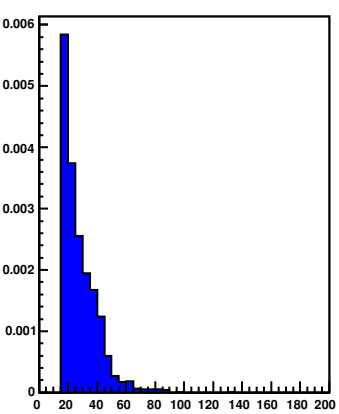


ttbar-Second jet Et for two jets in ALL in Nm1 Jet cut



higgsww-Second jet Et for two jets in ALL in Nm1 Jet cut



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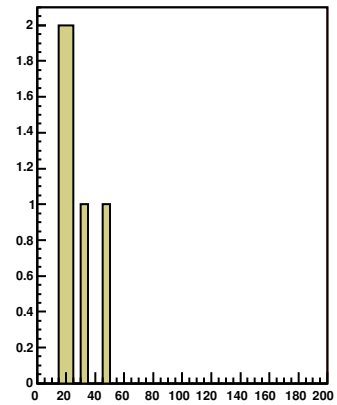
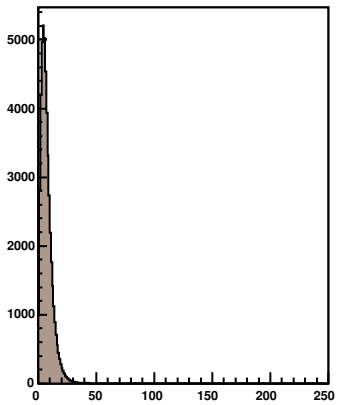


Zee-Missing Et



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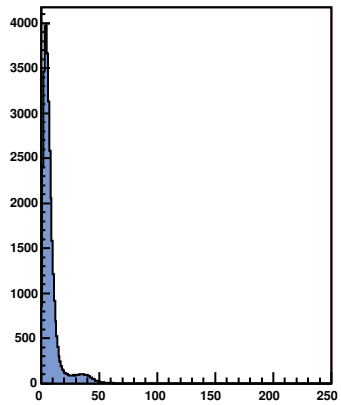

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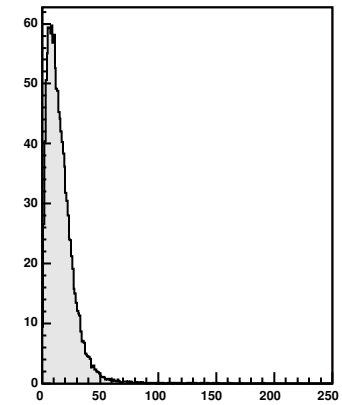
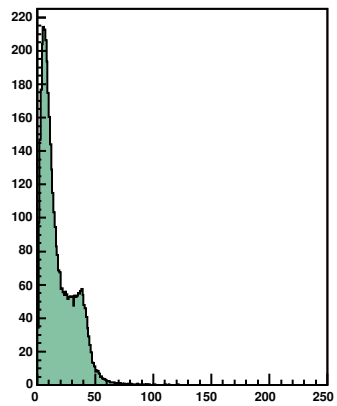


fake-Missing Et



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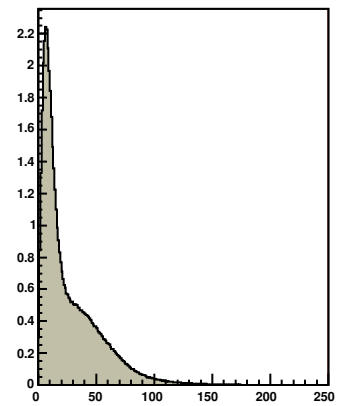

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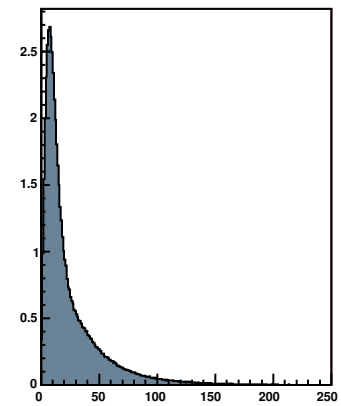

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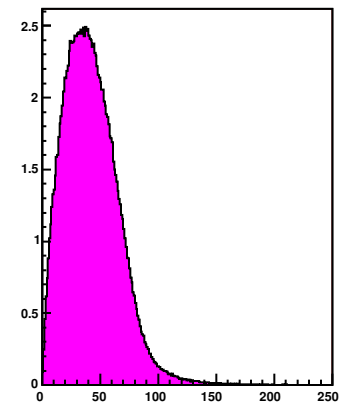

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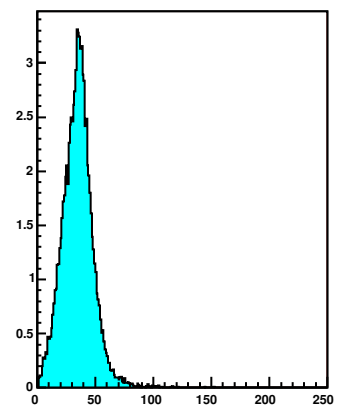
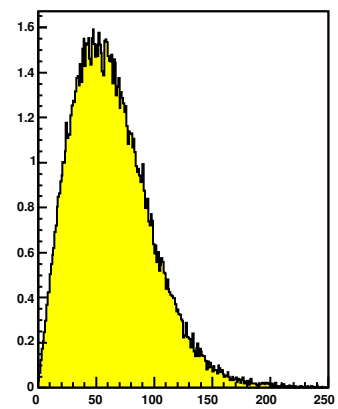
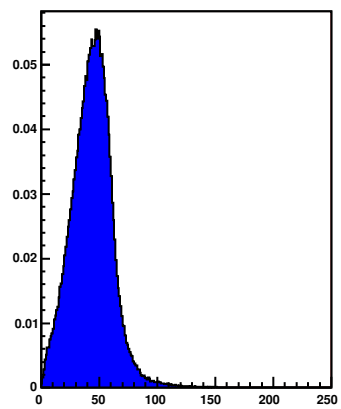


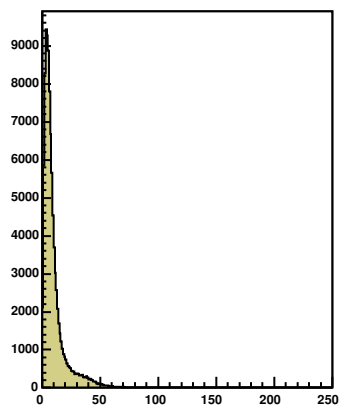
ttbar-Missing Et



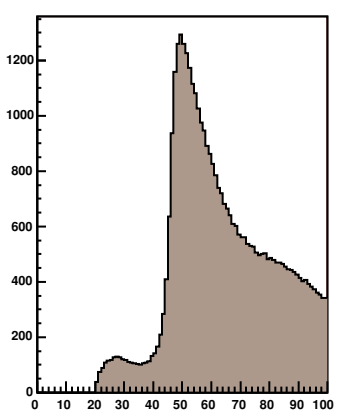
higgsww-Missing Et



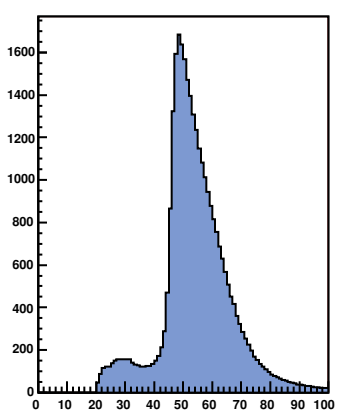
data-Missing Et



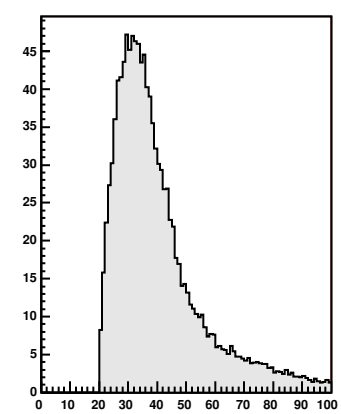
Zee-highest lepton Et in ALL



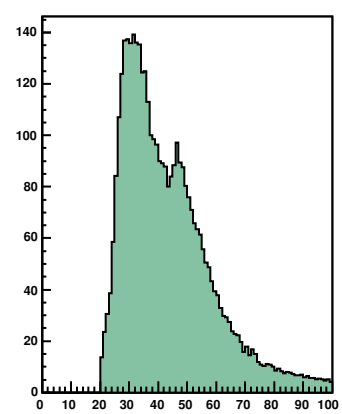
Zmumu-highest lepton Et in ALL



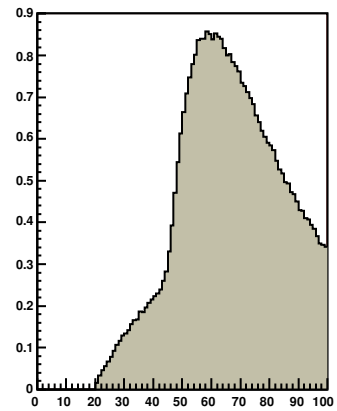
Ztautau-highest lepton Et in ALL



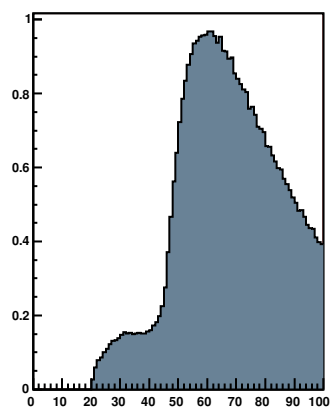
fake-highest lepton Et in ALL



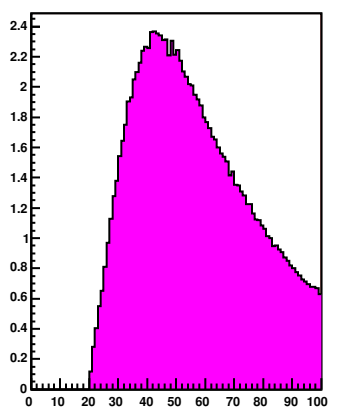
WZ-highest lepton Et in ALL



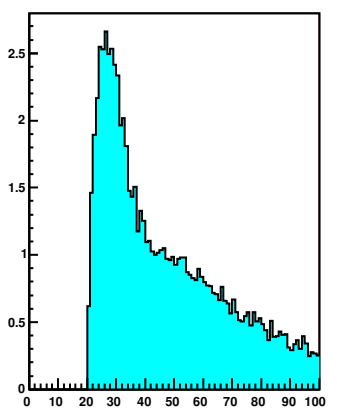
ZZ-highest lepton Et in ALL



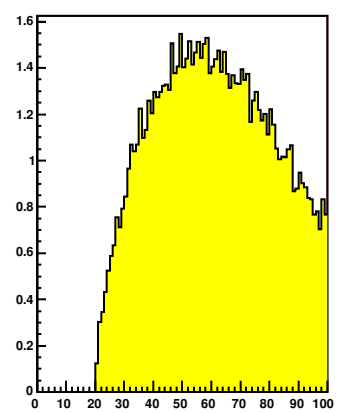
WW-highest lepton Et in ALL



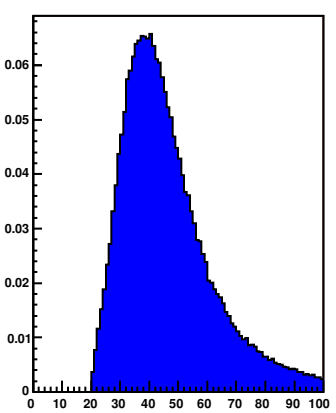
wgamma-highest lepton Et in ALL



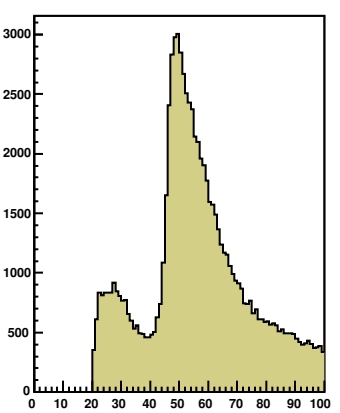
ttbar-highest lepton Et in ALL



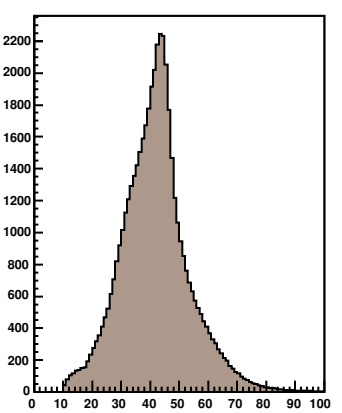
higgsww-highest lepton Et in ALL



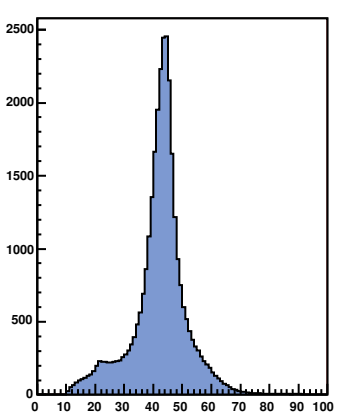
data-highest lepton Et in ALL



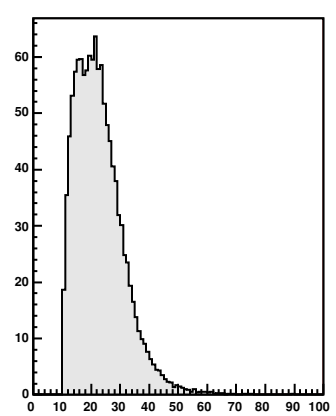
Zee-secondhighest lepton Et in ALL



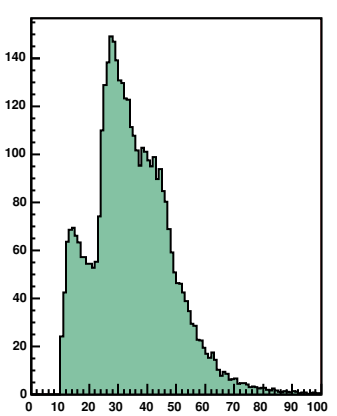
Zmumu-secondhighest lepton Et in ALL



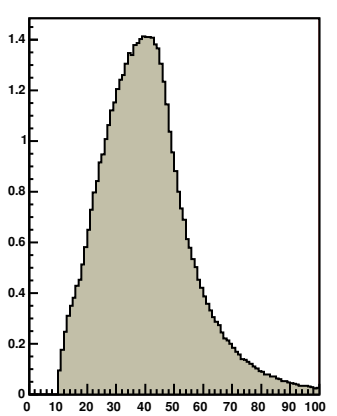
Ztautau-secondhighest lepton Et in ALL



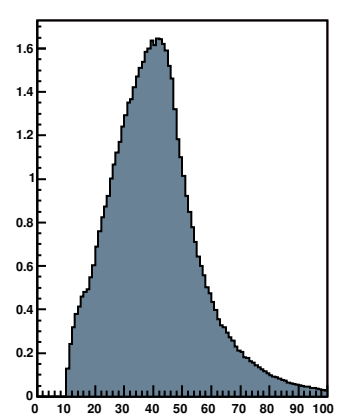
fake-secondhighest lepton Et in ALL



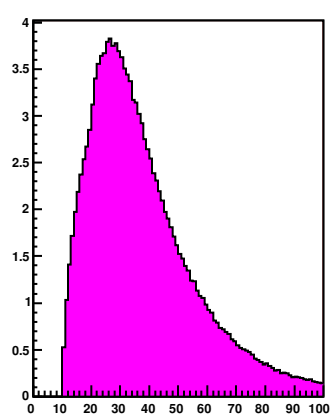
WZ-secondhighest lepton Et in ALL



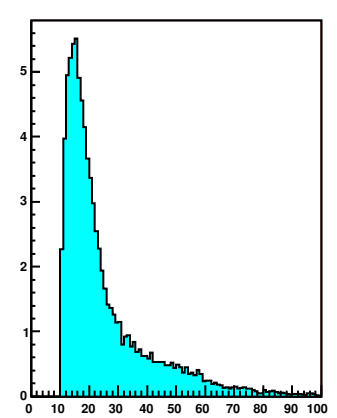
ZZ-secondhighest lepton Et in ALL



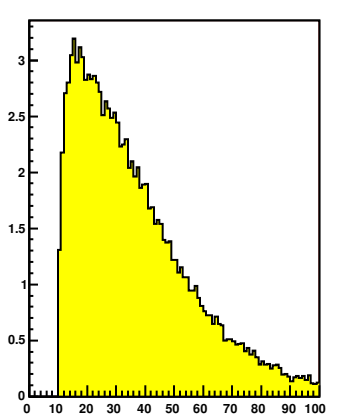
WW-secondhighest lepton Et in ALL



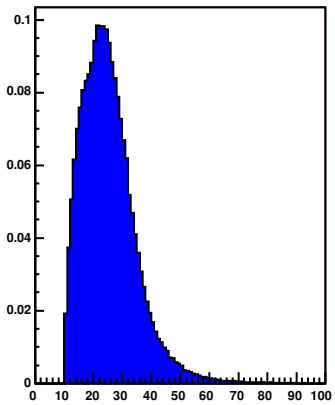
wgamma-secondhighest lepton Et in ALL



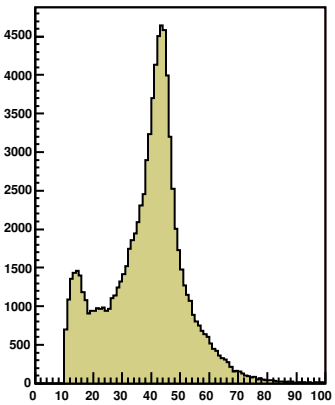
ttbar-secondhighest lepton Et in ALL



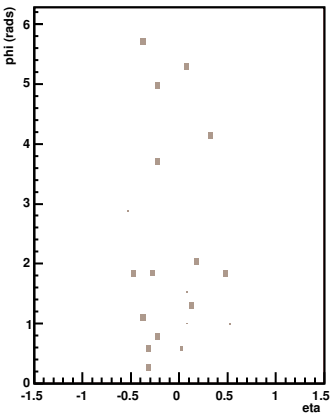
higgsww-secondhighest lepton Et in ALL



data-secondhighest lepton Et in ALL



Zee-CMP EtaPhi in ALL



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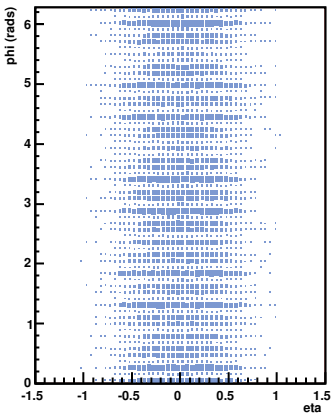

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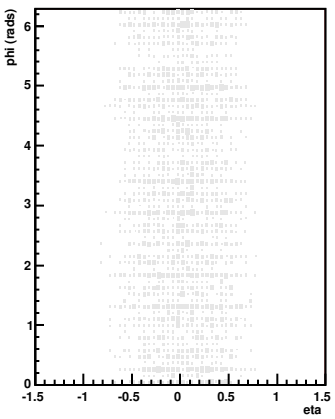
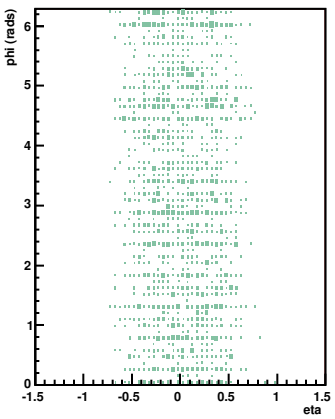
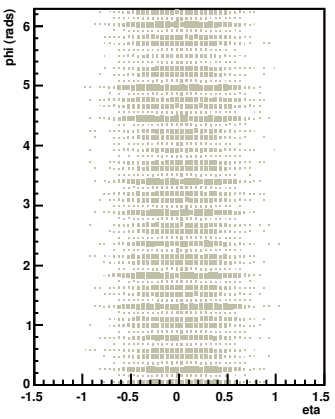


fake-CMP EtaPhi in ALL



WZ-CMP EtaPhi in ALL



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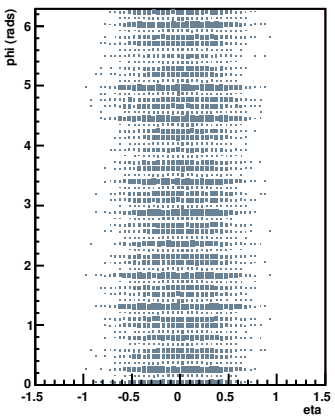

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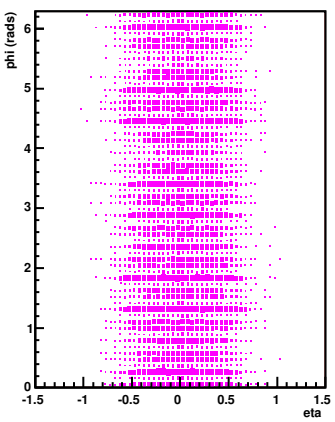
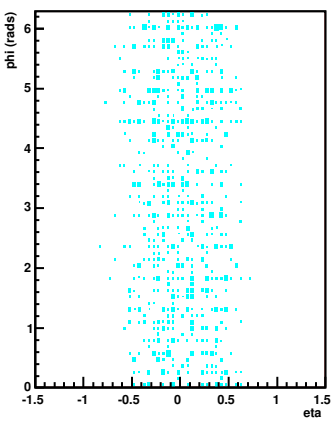
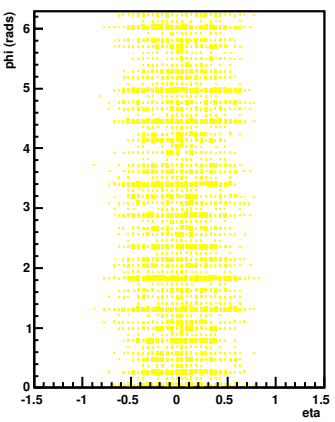


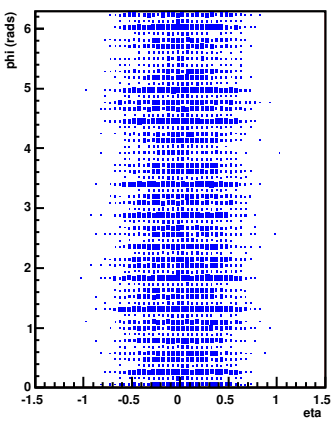
wgamma-CMP EtaPhi in ALL



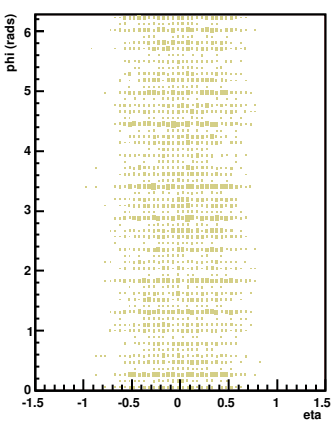
ttbar-CMP EtaPhi in ALL



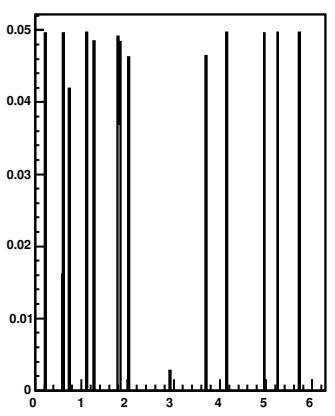
higgsww-CMP EtaPhi in ALL



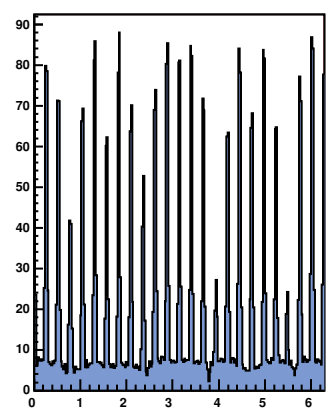
data-CMP EtaPhi in ALL



Zee-CMP Phi in ALL



Zmumu-CMP Phi in ALL



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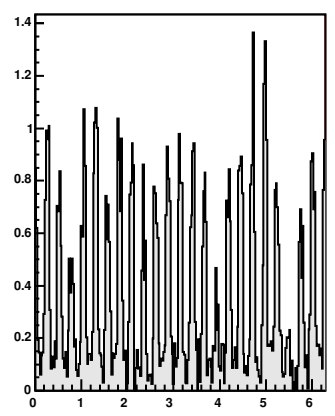
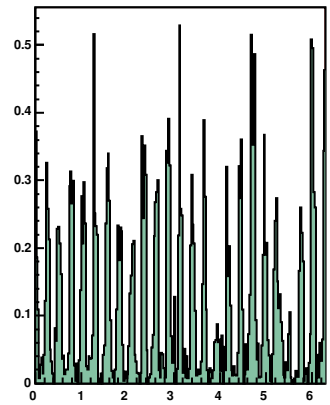
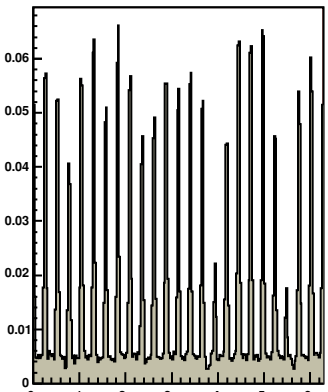


fake-CMP Phi in ALL



WZ-CMP Phi in ALL



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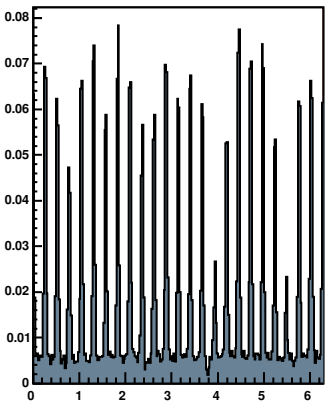

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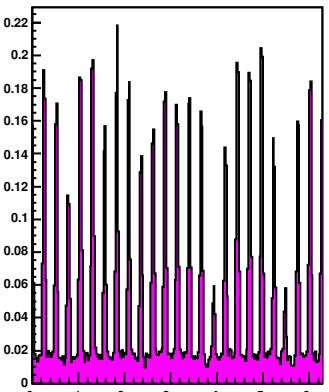

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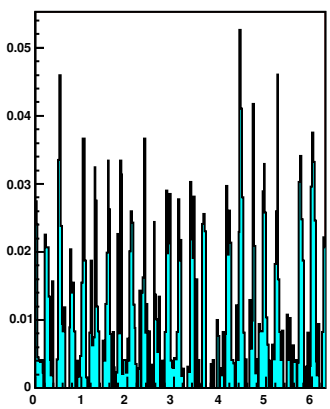

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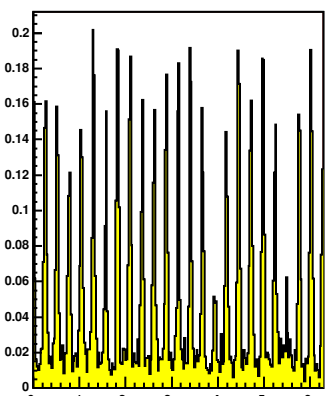

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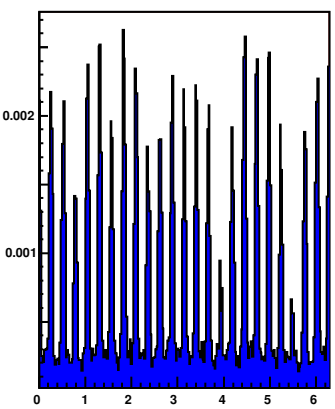

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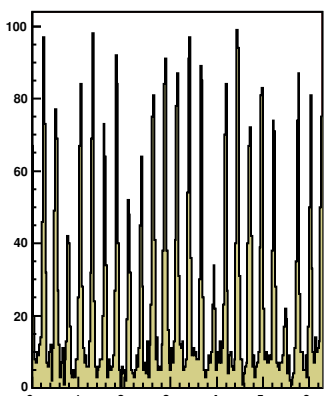
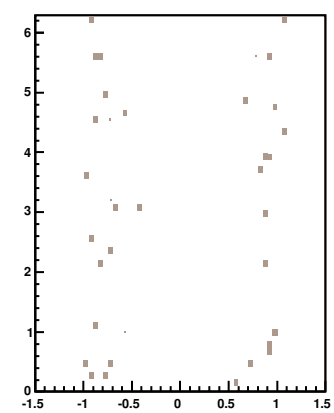
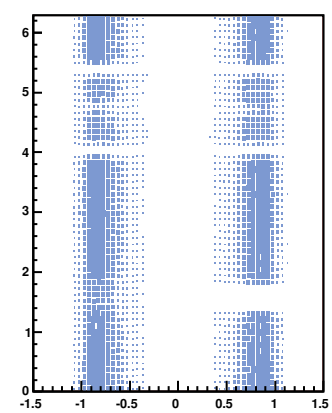


Zee-CMX EtaPhi in ALL



Zmumu-CMX EtaPhi in ALL



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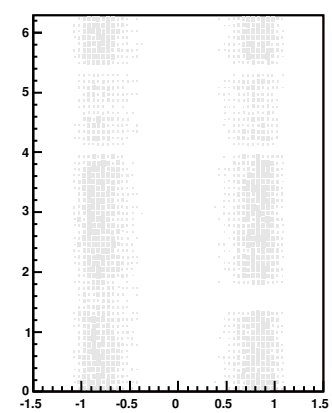

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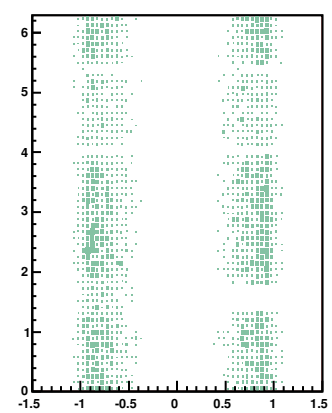

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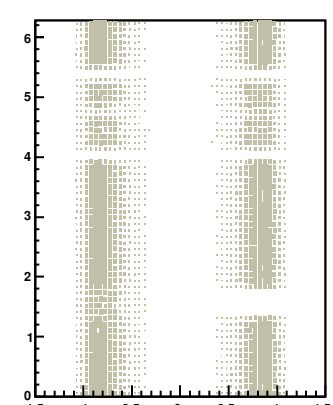

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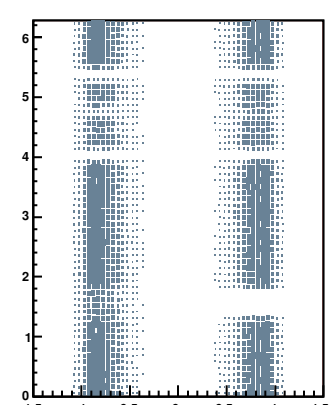

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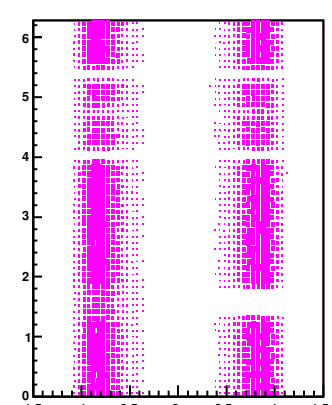

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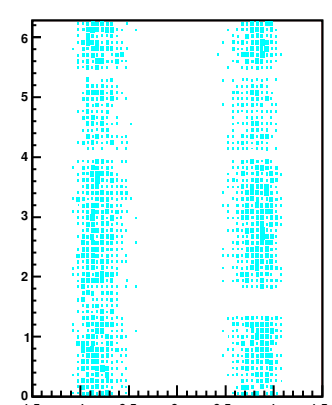
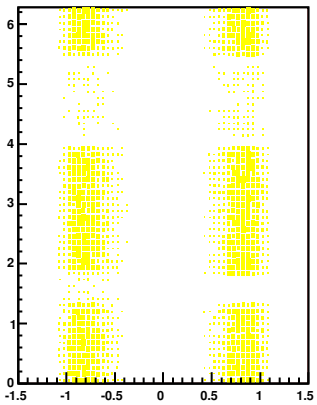
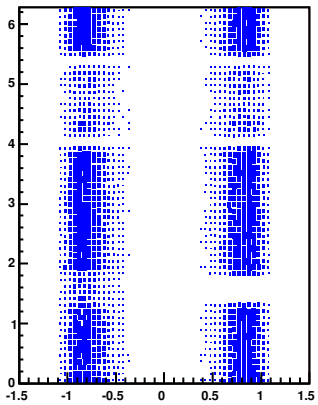


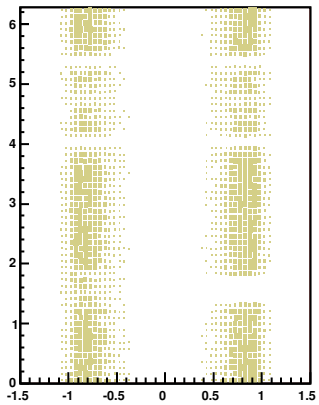
ttbar-CMX EtaPhi in ALL



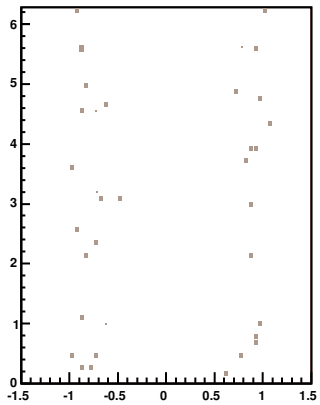
higgsww-CMX EtaPhi in ALL



data-CMX EtaPhi in ALL



Zee-CMX DeanEtaPhi in ALL



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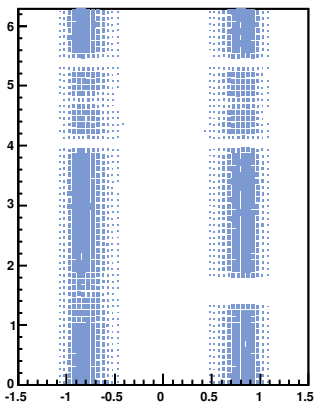

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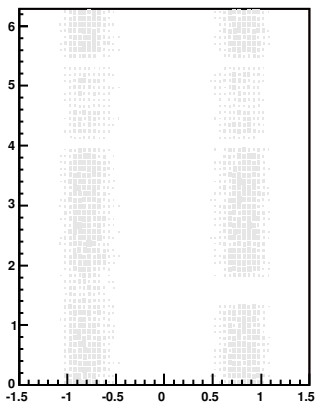
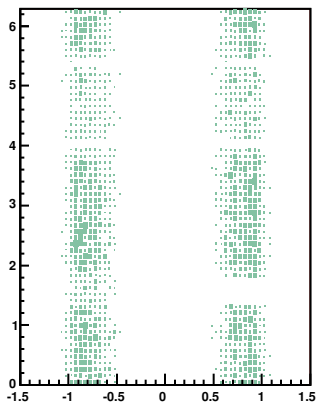
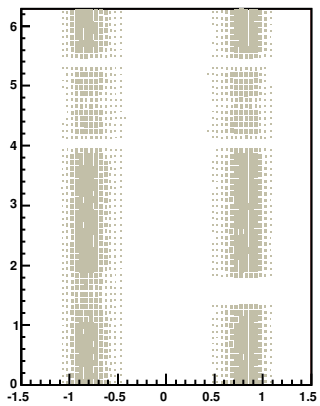


fake-CMX DeanEtaPhi in ALL



WZ-CMX DeanEtaPhi in ALL



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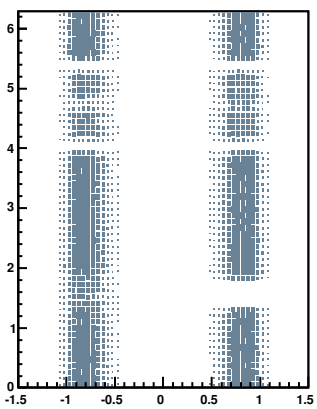

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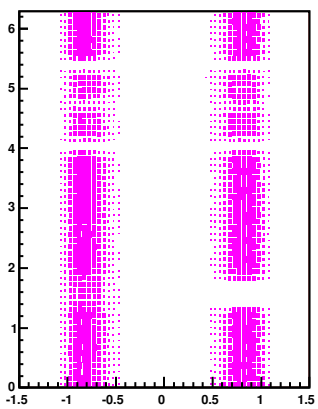

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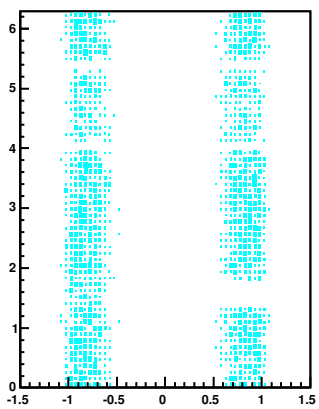
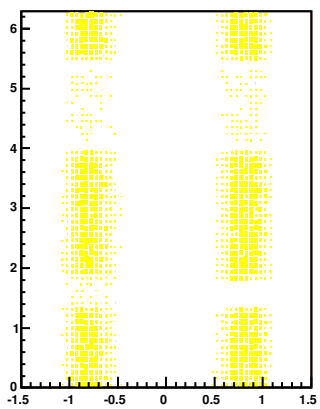
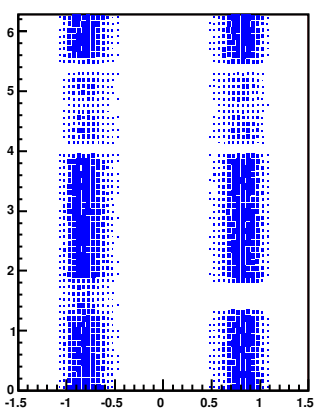


ttbar-CMX DeanEtaPhi in ALL



higgsww-CMX DeanEtaPhi in ALL



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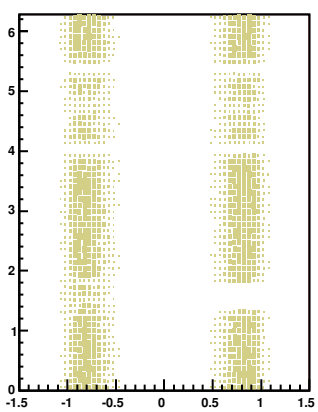
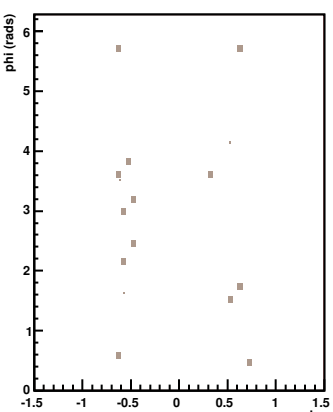
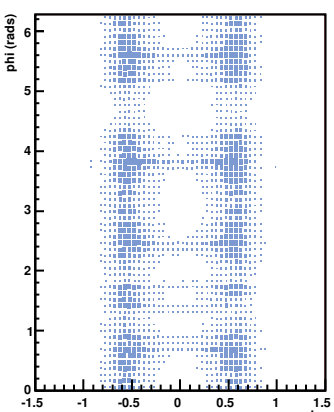


Zee-CMU EtaPhi in ALL



Zmumu-CMU EtaPhi in ALL



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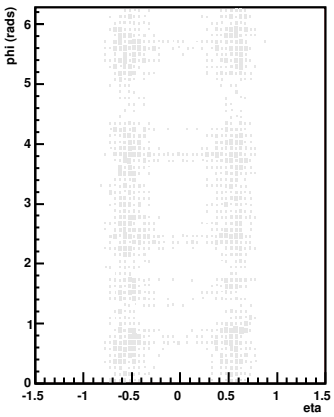
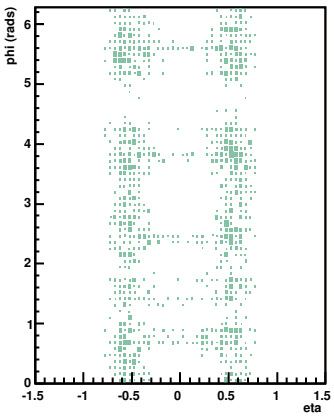
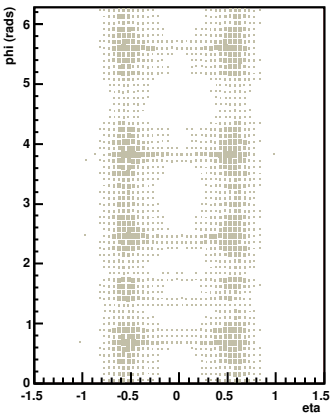


fake-CMU EtaPhi in ALL



WZ-CMU EtaPhi in ALL



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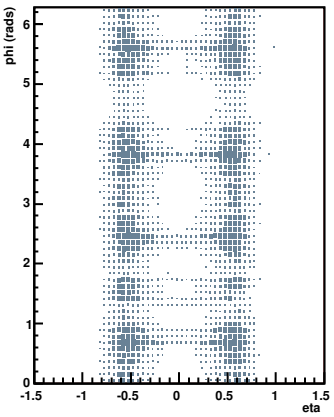

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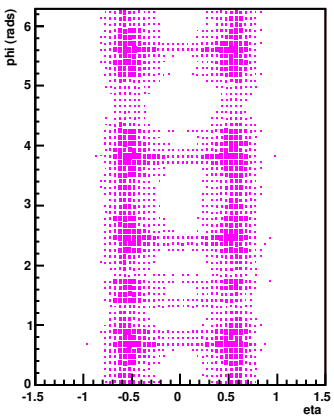

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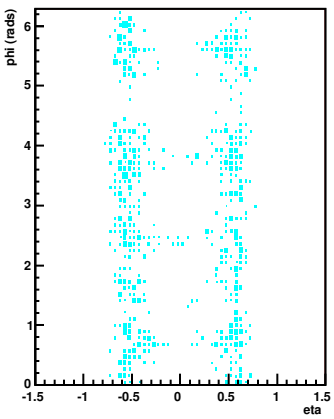

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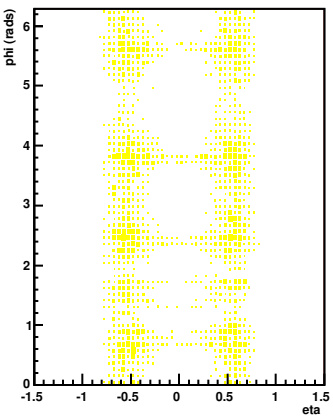

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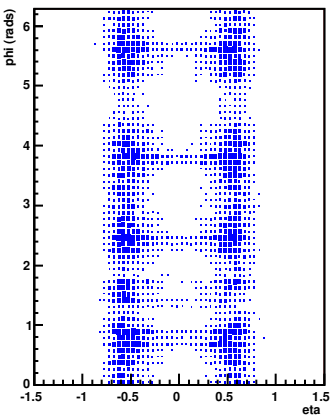

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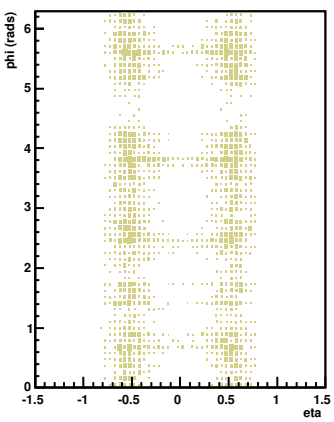

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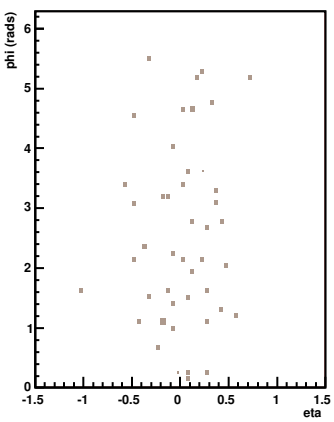

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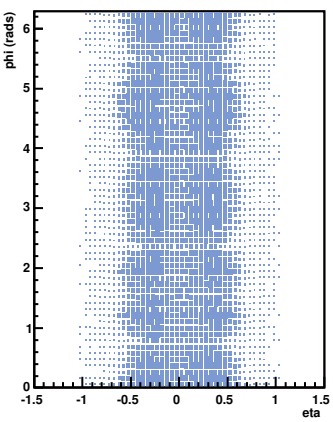

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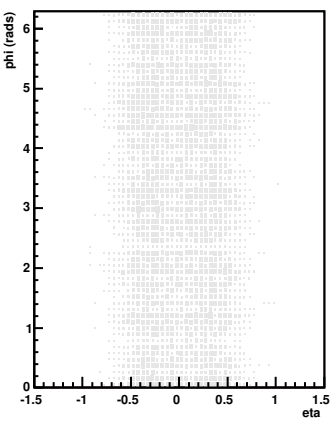

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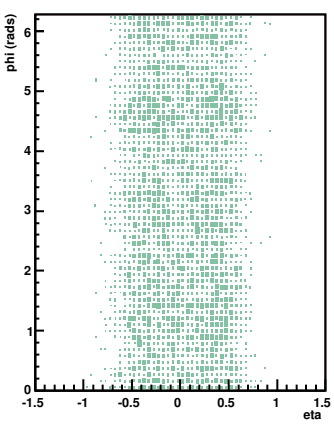
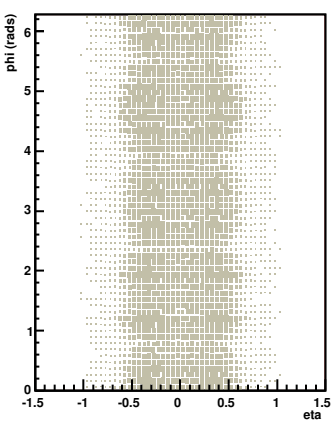


WZ-CMUP EtaPhi in ALL



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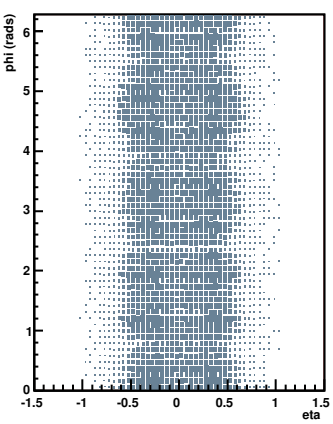

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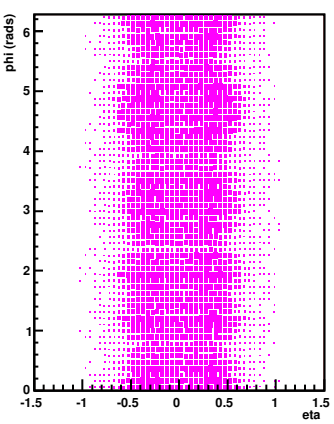
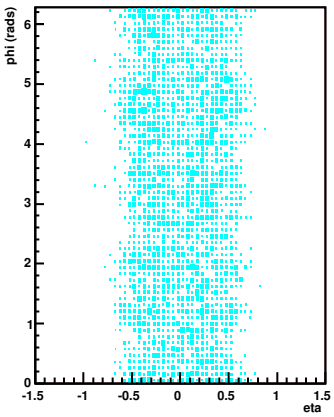
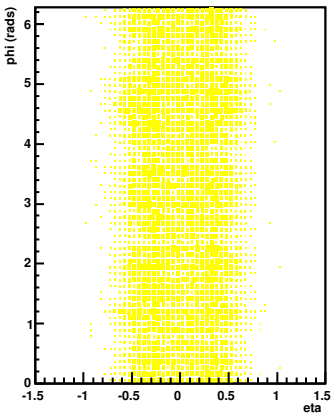


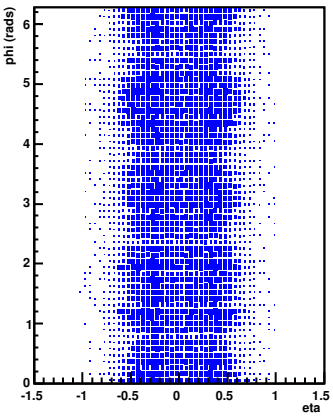
wgamma-CMUP EtaPhi in ALL



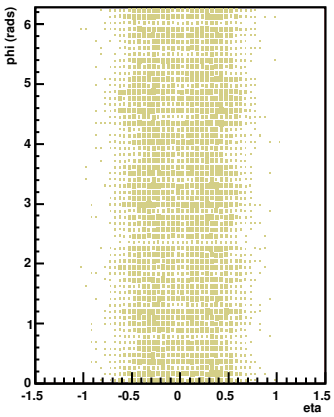
ttbar-CMUP EtaPhi in ALL



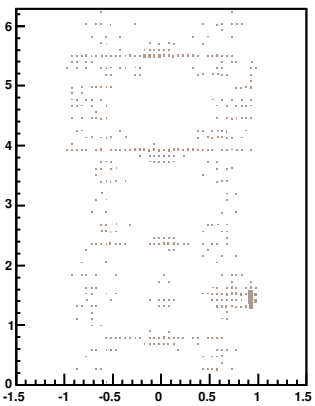
higgsww-CMUP EtaPhi in ALL



data-CMUP EtaPhi in ALL



Zee-CMIO EtaPhi in ALL



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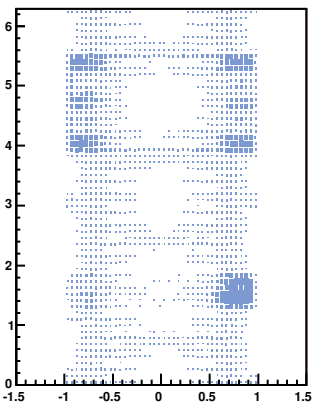

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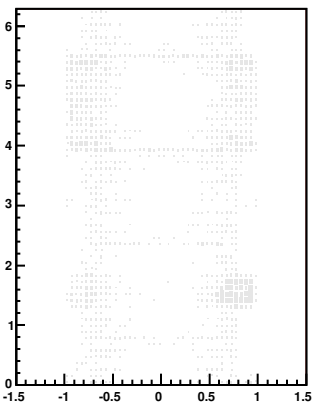
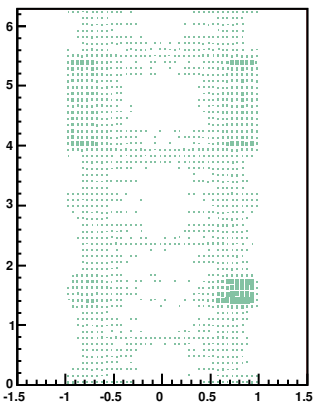
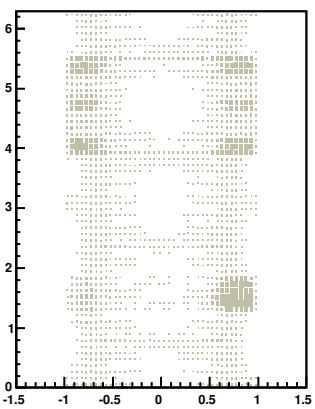


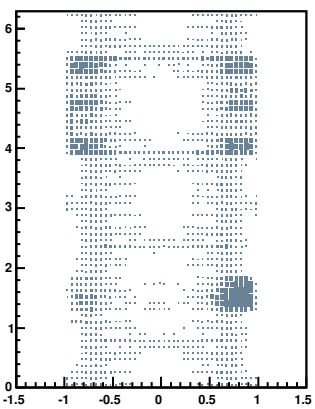
fake-CMIO EtaPhi in ALL



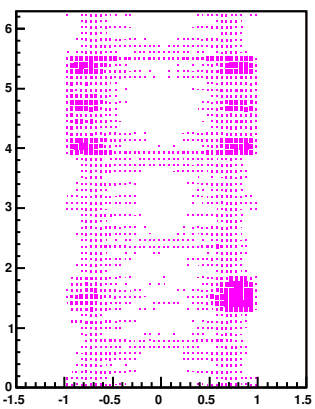
WZ-CMIO EtaPhi in ALL



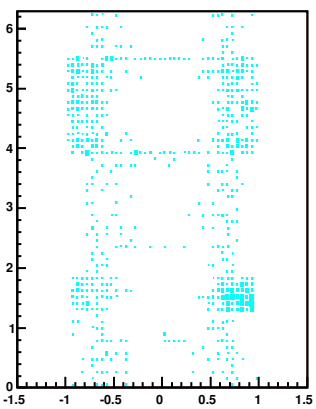
ZZ-CMIO EtaPhi in ALL



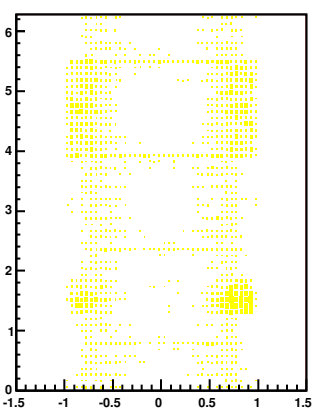
WW-CMIO EtaPhi in ALL



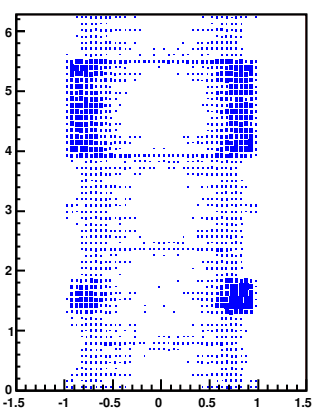
wgamma-CMIO EtaPhi in ALL



ttbar-CMIO EtaPhi in ALL

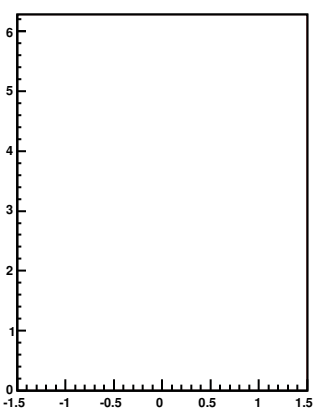


higgsww-CMIO EtaPhi in ALL

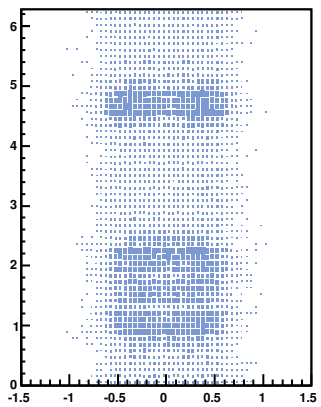


data-CMIO EtaPhi in ALL

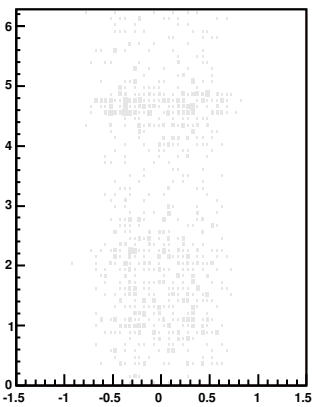
Zee-CMUP_CMIO EtaPhi of CMUP in ALL



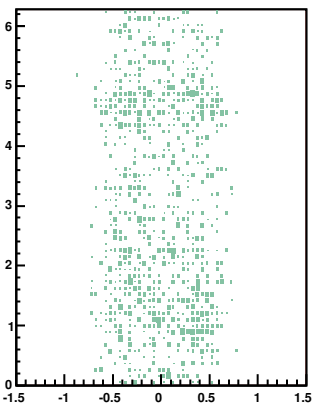
Zmumu-CMUP_CMIO EtaPhi of CMUP in ALL



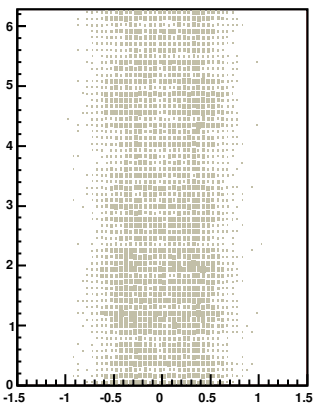
Ztautau-CMUP_CMIO EtaPhi of CMUP in ALL



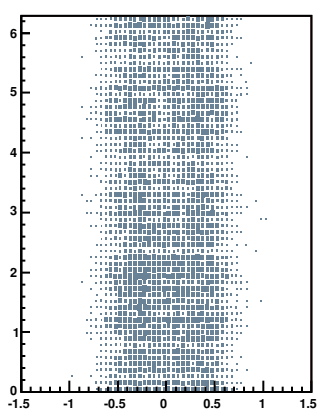
fake-CMUP_CMIO EtaPhi of CMUP in ALL



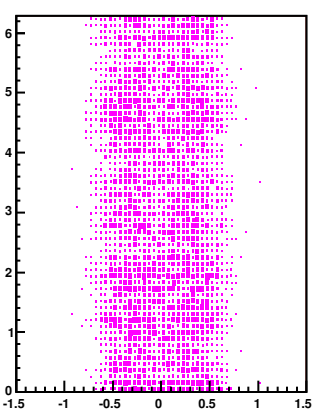
WZ-CMUP_CMIO EtaPhi of CMUP in ALL



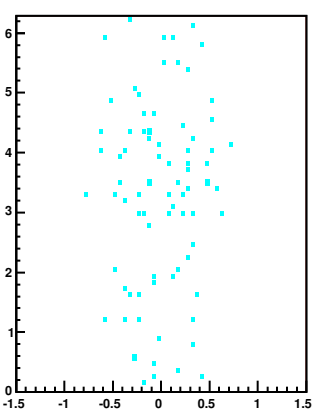
ZZ-CMUP_CMIO EtaPhi of CMUP in ALL



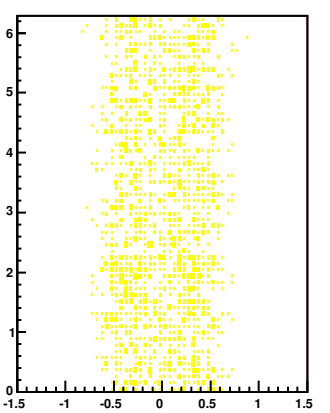
WW-CMUP_CMIO EtaPhi of CMUP in ALL



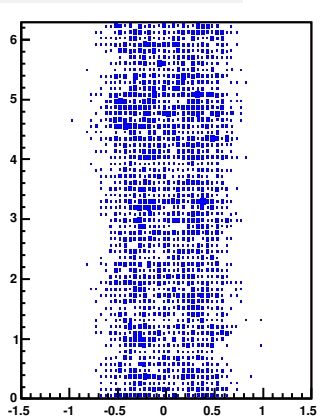
wgamma-CMUP_CMIO EtaPhi of CMUP in ALL



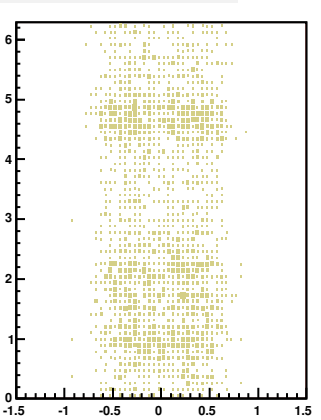
ttbar-CMUP_CMIO EtaPhi of CMUP in ALL



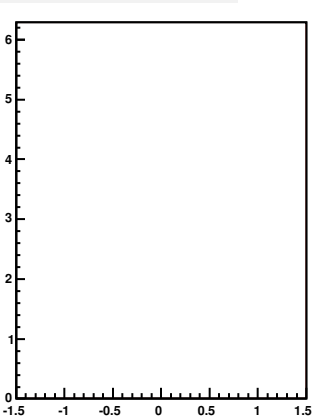
higgsww-CMUP_CMIO EtaPhi of CMUP in ALL



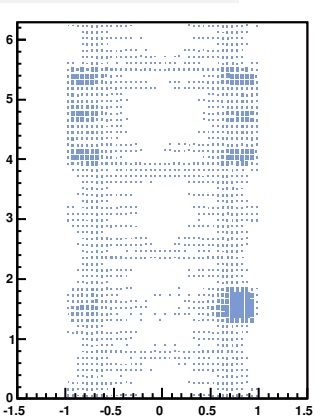
data-CMUP_CMIO EtaPhi of CMUP in ALL



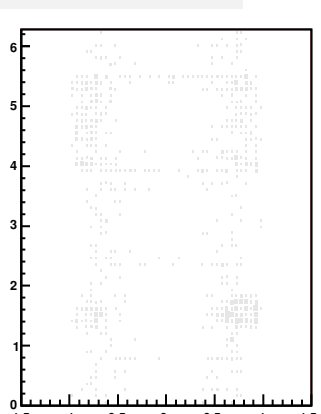
Zee-CMUP_CMIO EtaPhi of CMIO in ALL



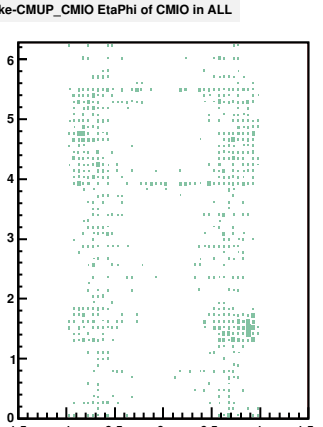
Zmumu-CMUP_CMIO EtaPhi of CMIO in ALL



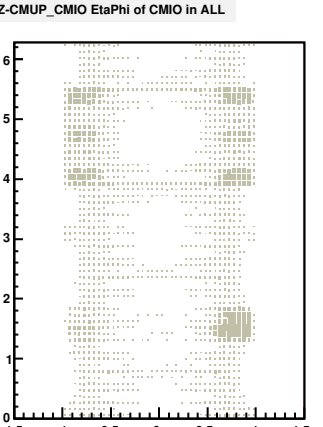
Ztautau-CMUP_CMIO EtaPhi of CMIO in ALL



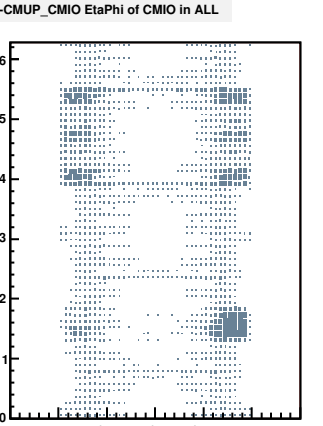
fake-CMUP_CMIO EtaPhi of CMIO in ALL



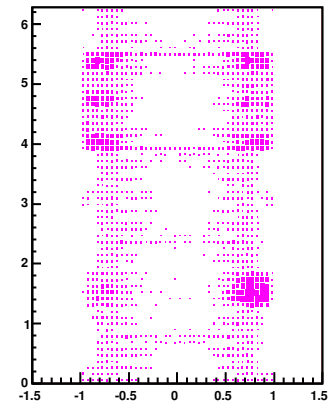
WZ-CMUP_CMIO EtaPhi of CMIO in ALL



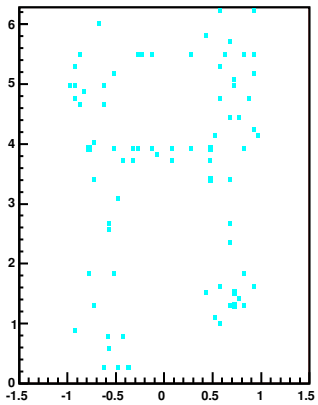
ZZ-CMUP_CMIO EtaPhi of CMIO in ALL



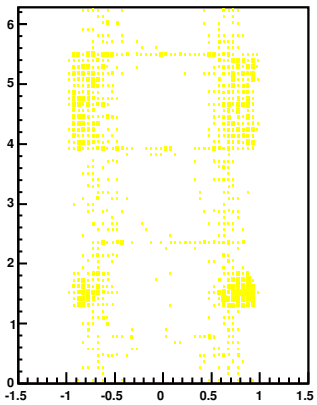
WW-CMUP_CMIO EtaPhi of CMIO in ALL



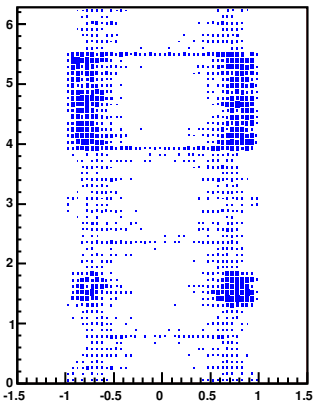
wgamma-CMUP_CMIO EtaPhi of CMIO in ALL



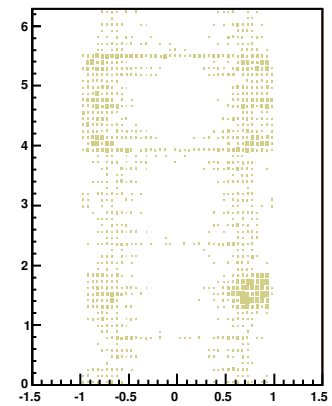
ttbar-CMUP_CMIO EtaPhi of CMIO in ALL



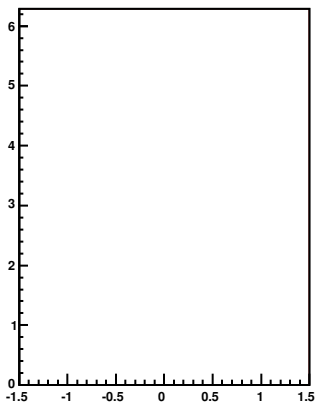
higgsww-CMUP_CMIO EtaPhi of CMIO in ALL



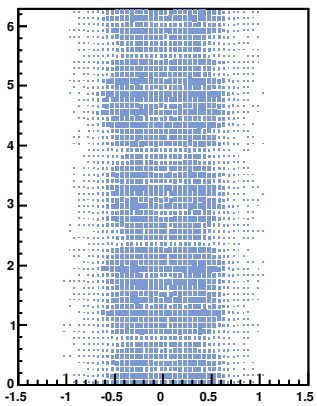
data-CMUP_CMIO EtaPhi of CMIO in ALL



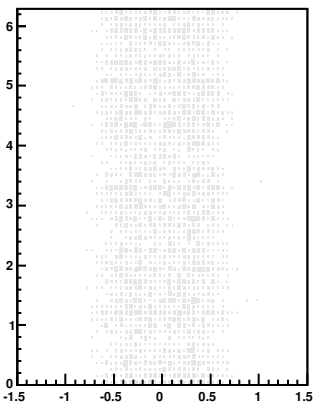
Zee-CMUP_CMUP EtaPhi of CMUP in ALL



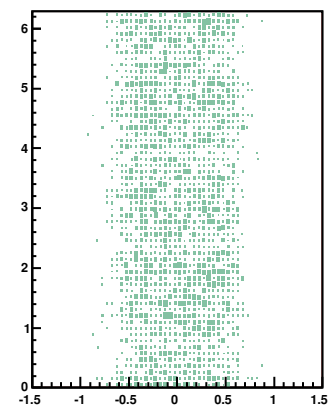
Zmumu-CMUP_CMUP EtaPhi of CMUP in ALL



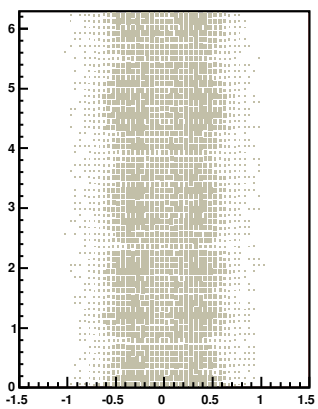
Ztautau-CMUP_CMUP EtaPhi of CMUP in ALL



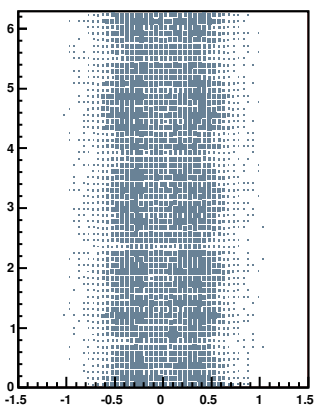
fake-CMUP_CMUP EtaPhi of CMUP in ALL



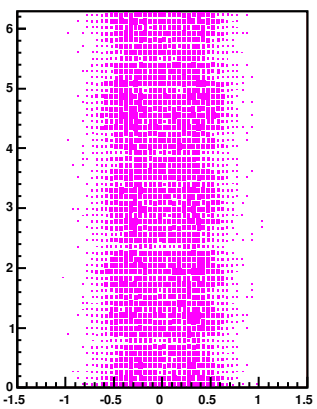
WZ-CMUP_CMUP EtaPhi of CMUP in ALL



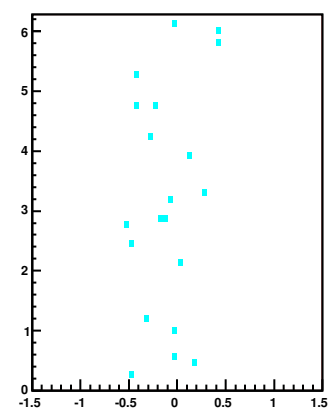
ZZ-CMUP_CMUP EtaPhi of CMUP in ALL



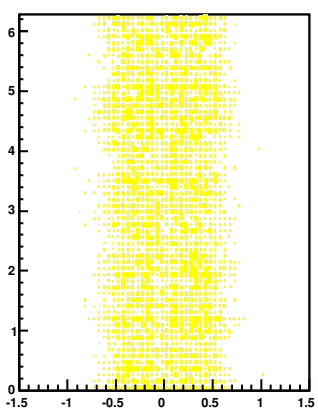
WW-CMUP_CMUP EtaPhi of CMUP in ALL



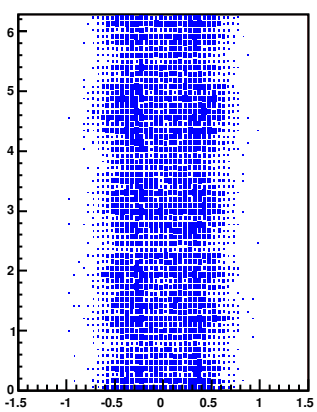
wgamma-CMUP_CMUP EtaPhi of CMUP in ALL



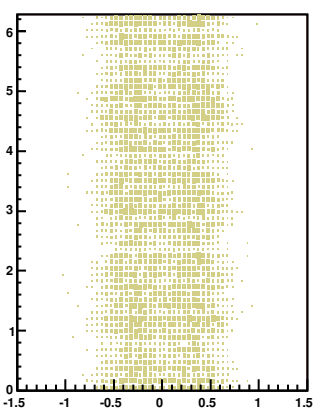
ttbar-CMUP_CMUP EtaPhi of CMUP in ALL



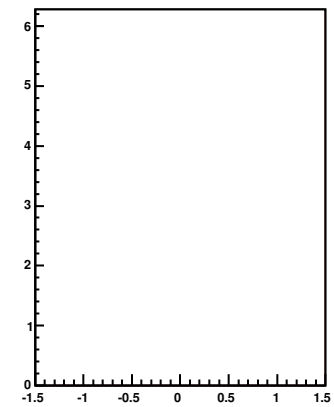
higgsww-CMUP_CMUP EtaPhi of CMUP in ALL



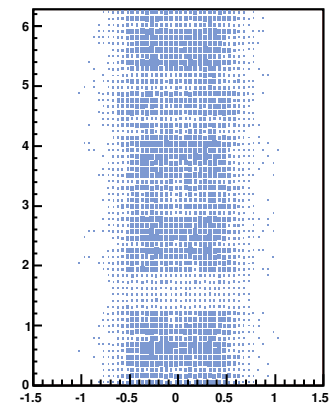
data-CMUP_CMUP EtaPhi of CMUP in ALL



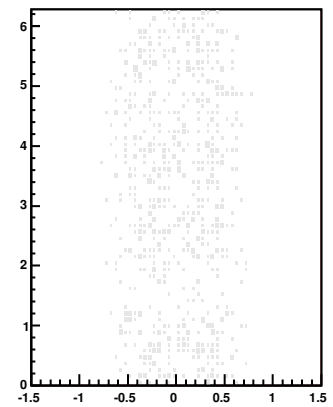
Zee-CMUP_CMU EtaPhi of CMUP in ALL



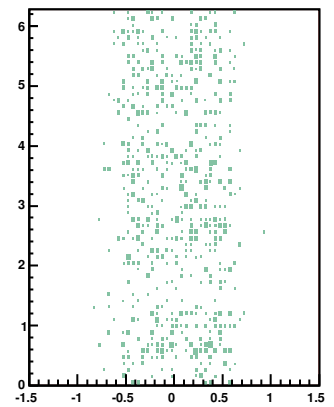
Zmumu-CMUP_CMU EtaPhi of CMUP in ALL



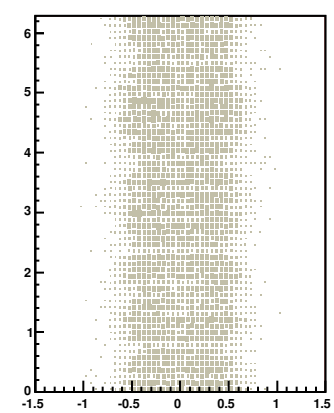
Ztautau-CMUP_CMU EtaPhi of CMUP in ALL



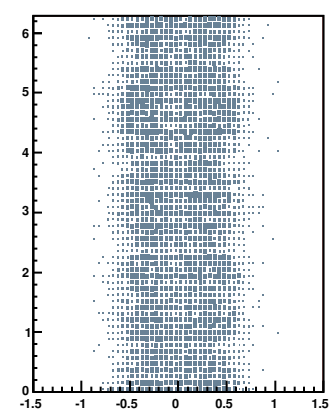
fake-CMUP_CMU EtaPhi of CMUP in ALL



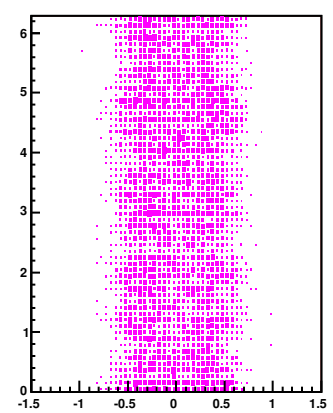
WZ-CMUP_CMU EtaPhi of CMUP in ALL



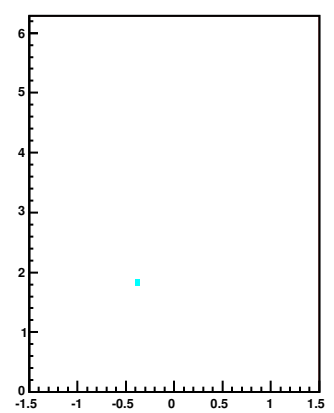
ZZ-CMUP_CMU EtaPhi of CMUP in ALL



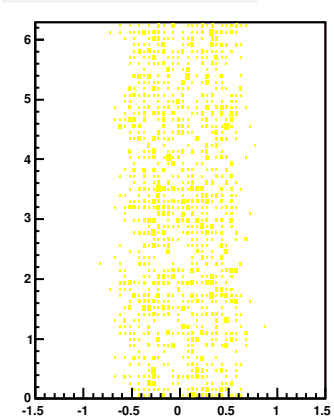
WW-CMUP_CMU EtaPhi of CMUP in ALL



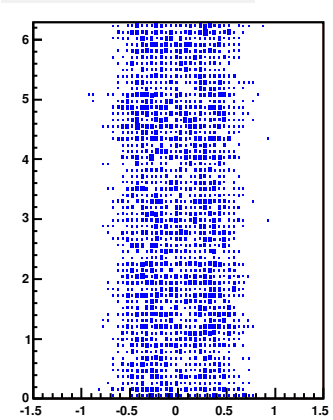
wgamma-CMUP_CMU EtaPhi of CMUP in ALL



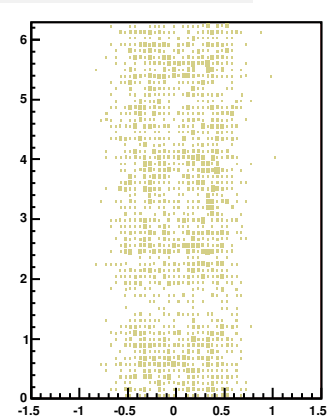
ttbar-CMUP_CMU EtaPhi of CMUP in ALL



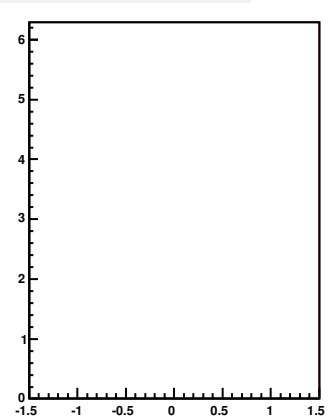
higgsww-CMUP_CMU EtaPhi of CMUP in ALL



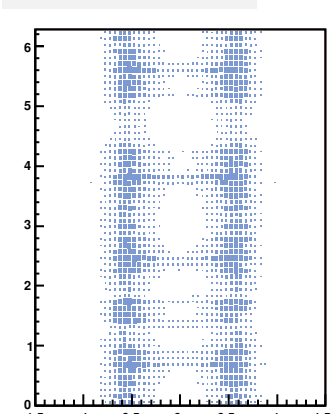
data-CMUP_CMU EtaPhi of CMUP in ALL



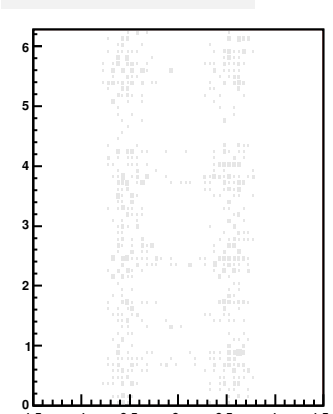
Zee-CMUP_CMU EtaPhi of CMU in ALL



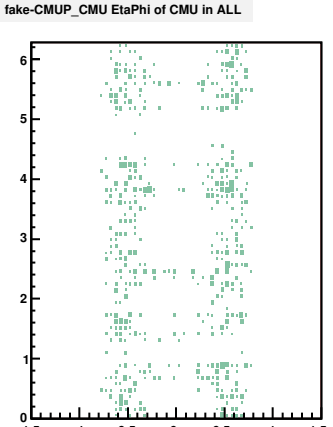
Zmumu-CMUP_CMU EtaPhi of CMU in ALL



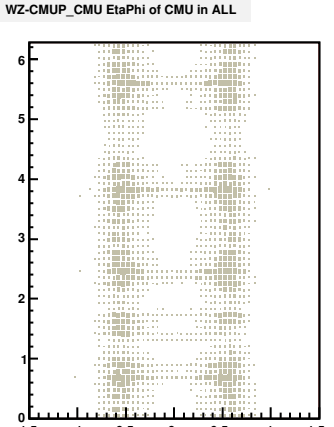
Ztautau-CMUP_CMU EtaPhi of CMU in ALL



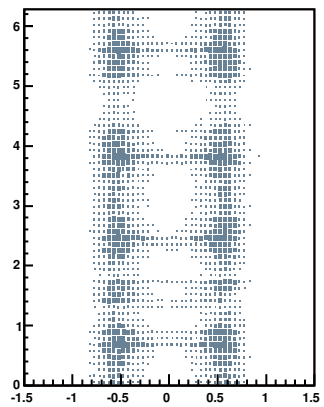
fake-CMUP_CMU EtaPhi of CMU in ALL



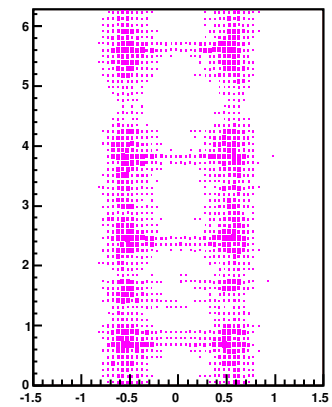
WZ-CMUP_CMU EtaPhi of CMU in ALL



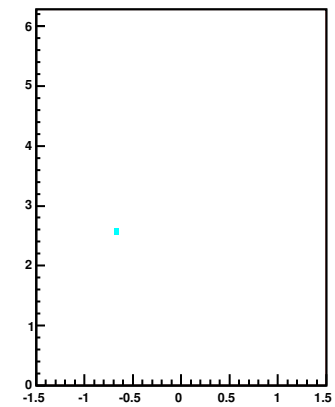
ZZ-CMUP_CMU EtaPhi of CMU in ALL



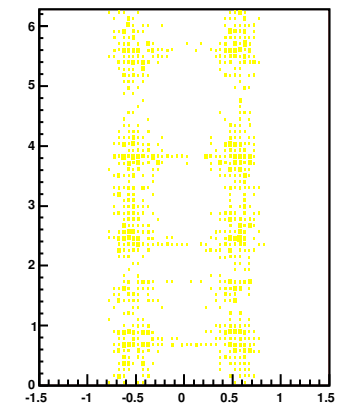
WW-CMUP_CMU EtaPhi of CMU in ALL



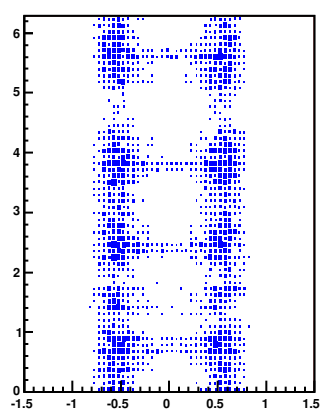
wgamma-CMUP_CMU EtaPhi of CMU in ALL



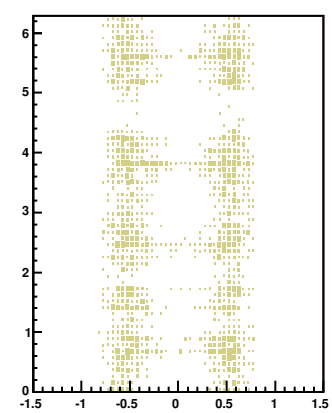
ttbar-CMUP_CMU EtaPhi of CMU in ALL



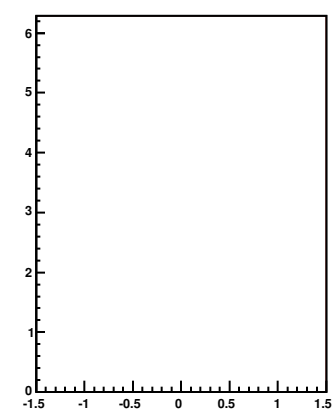
higgsww-CMUP_CMU EtaPhi of CMU in ALL



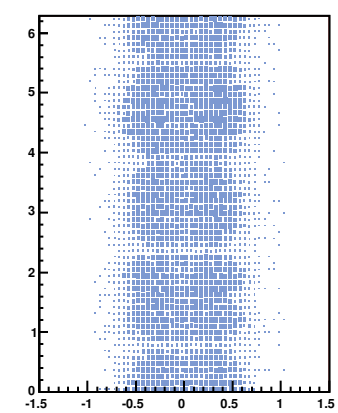
data-CMUP_CMU EtaPhi of CMU in ALL



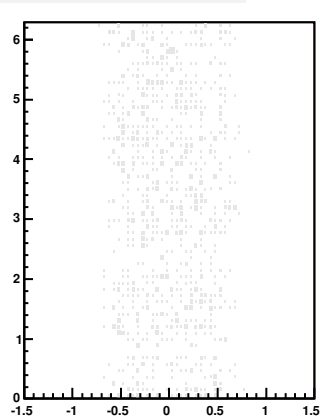
Zee-CMUP_CMP EtaPhi of CMUP in ALL



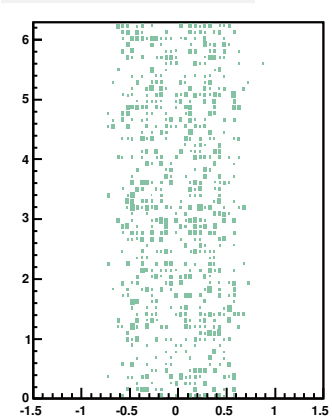
Zmumu-CMUP_CMP EtaPhi of CMUP in ALL



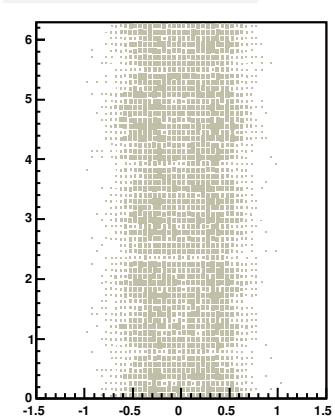
Ztautau-CMUP_CMP EtaPhi of CMUP in ALL



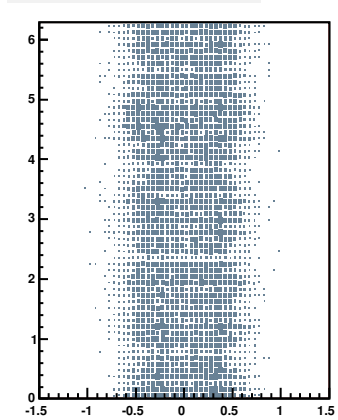
fake-CMUP_CMP EtaPhi of CMUP in ALL



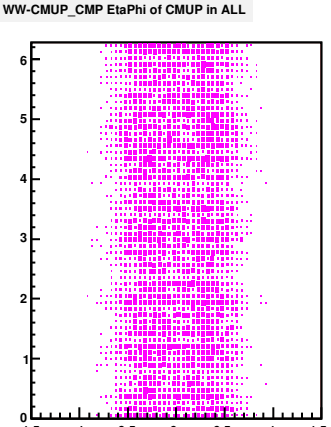
WZ-CMUP_CMP EtaPhi of CMUP in ALL



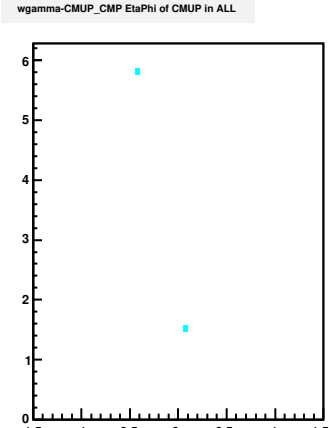
ZZ-CMUP_CMP EtaPhi of CMUP in ALL



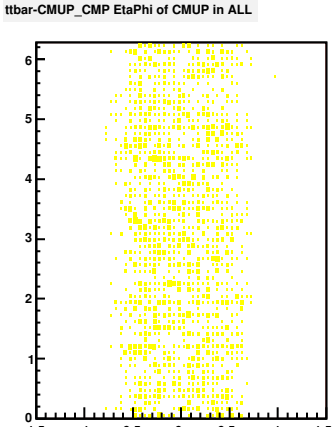
WW-CMUP_CMP EtaPhi of CMUP in ALL



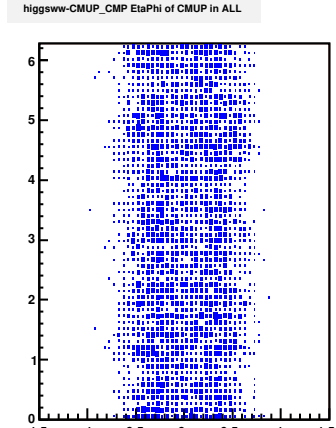
wgamma-CMUP_CMP EtaPhi of CMUP in ALL



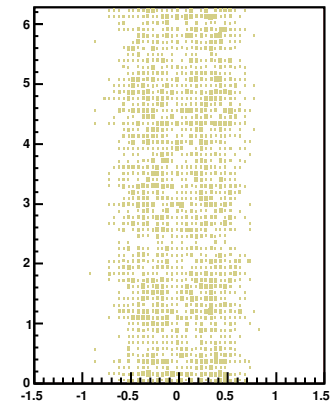
ttbar-CMUP_CMP EtaPhi of CMUP in ALL



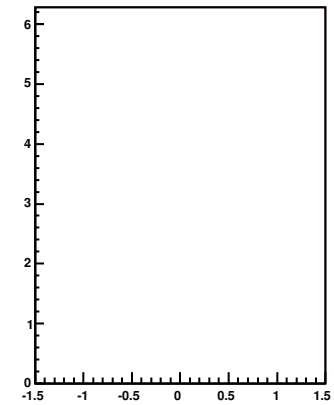
higgsww-CMUP_CMP EtaPhi of CMUP in ALL



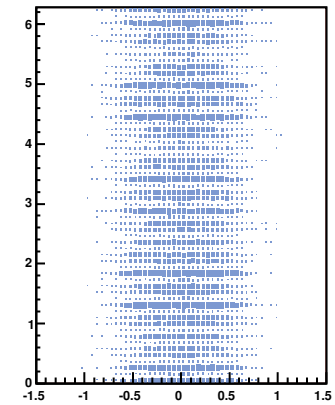
data-CMUP_CMP EtaPhi of CMUP in ALL



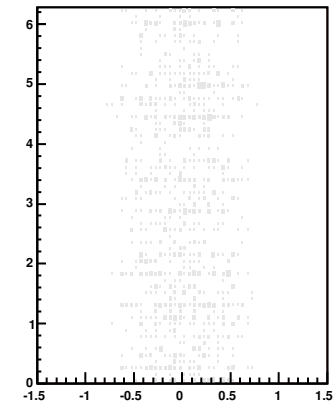
Zee-CMUP_CMP EtaPhi of CMP in ALL



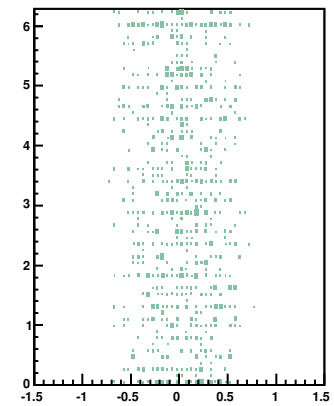
Zmumu-CMUP_CMP EtaPhi of CMP in ALL



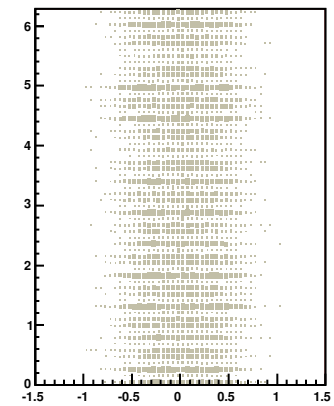
Ztautau-CMUP_CMP EtaPhi of CMP in ALL



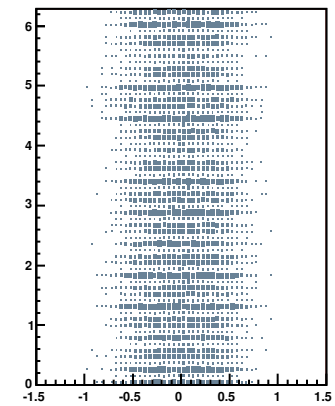
fake-CMUP_CMP EtaPhi of CMP in ALL



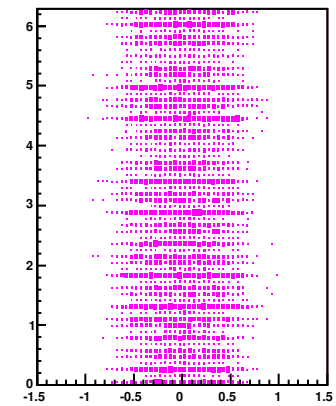
WZ-CMUP_CMP EtaPhi of CMP in ALL



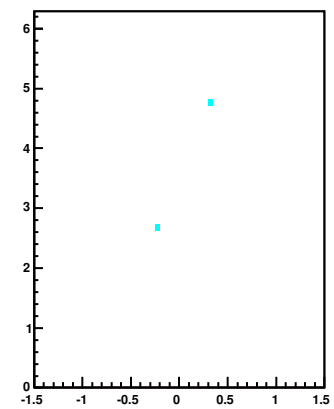
ZZ-CMUP_CMP EtaPhi of CMP in ALL



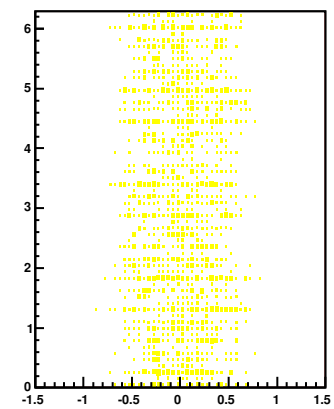
WW-CMUP_CMP EtaPhi of CMP in ALL



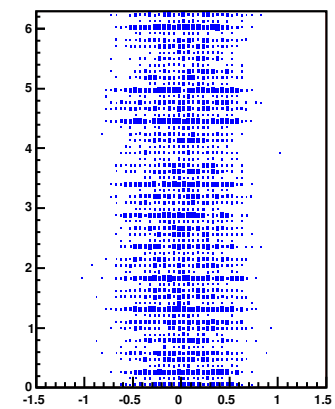
wgamma-CMUP_CMP EtaPhi of CMP in ALL



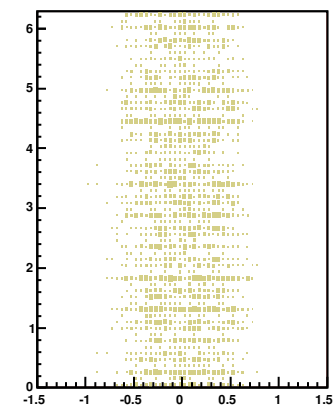
ttbar-CMUP_CMP EtaPhi of CMP in ALL



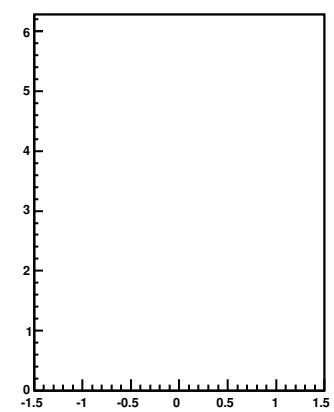
higgsww-CMUP_CMP EtaPhi of CMP in ALL



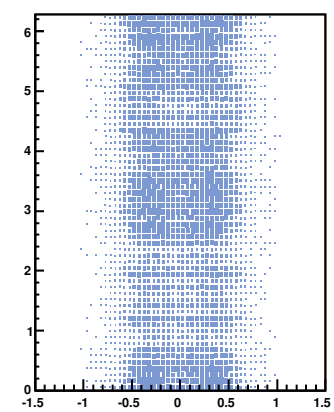
data-CMUP_CMP EtaPhi of CMP in ALL



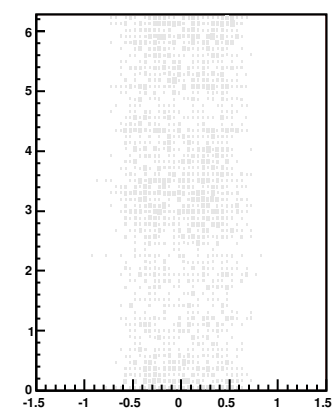
Zee-CMUP_CMX EtaPhi of CMUP in ALL



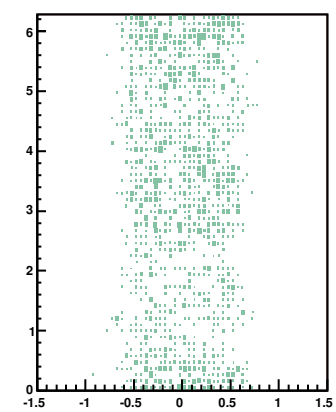
Zmumu-CMUP_CMX EtaPhi of CMUP in ALL



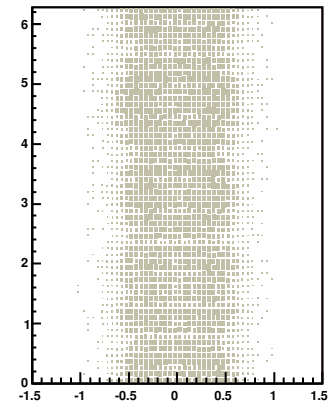
Ztautau-CMUP_CMX EtaPhi of CMUP in ALL



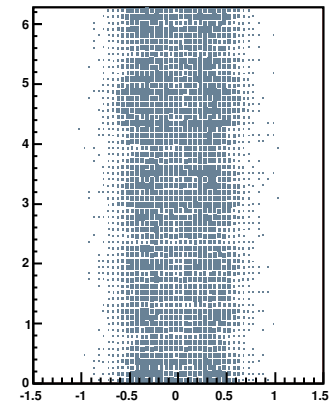
fake-CMUP_CMX EtaPhi of CMUP in ALL



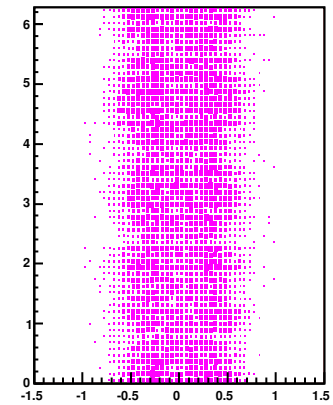
WZ-CMUP_CMX EtaPhi of CMUP in ALL



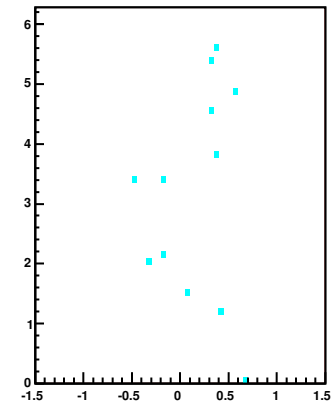
ZZ-CMUP_CMX EtaPhi of CMUP in ALL



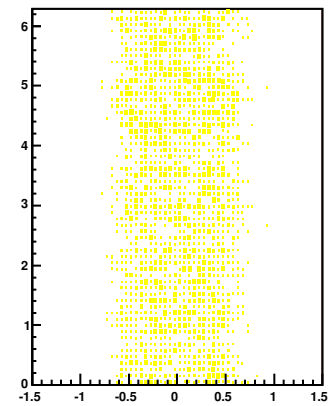
WW-CMUP_CMX EtaPhi of CMUP in ALL



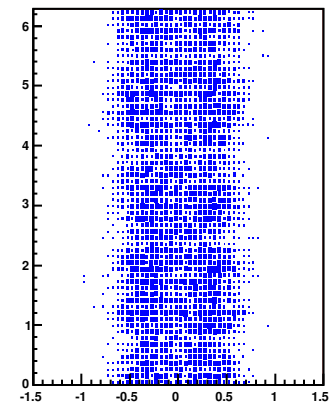
wgamma-CMUP_CMX EtaPhi of CMUP in ALL



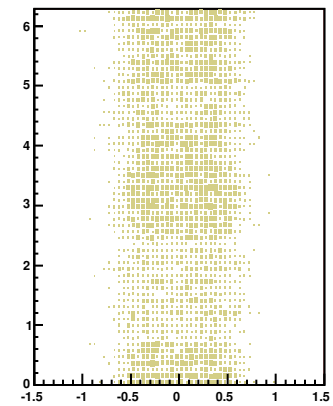
ttbar-CMUP_CMX EtaPhi of CMUP in ALL



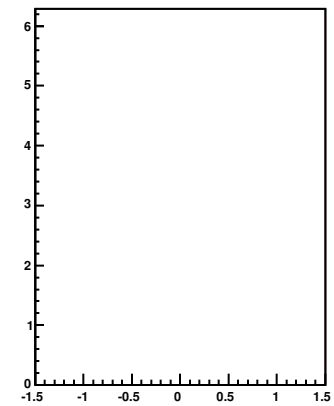
higgsww-CMUP_CMX EtaPhi of CMUP in ALL



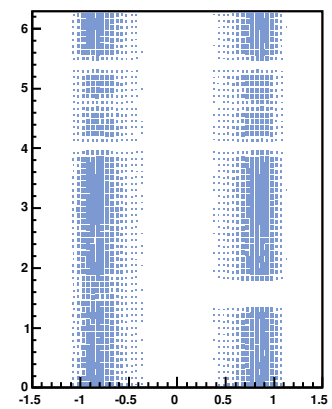
data-CMUP_CMX EtaPhi of CMUP in ALL



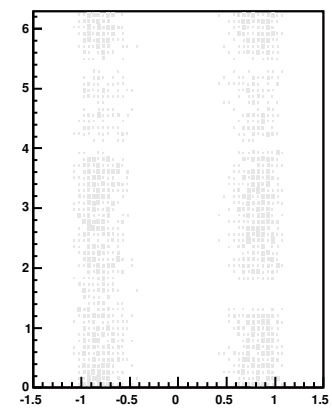
Zee-CMUP_CMX EtaPhi of CMX in ALL



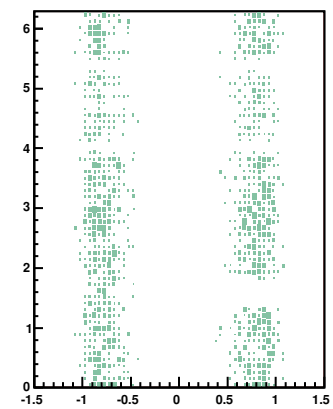
Zmumu-CMUP_CMX EtaPhi of CMX in ALL



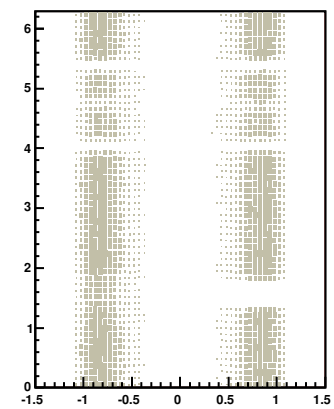
Ztautau-CMUP_CMX EtaPhi of CMX in ALL



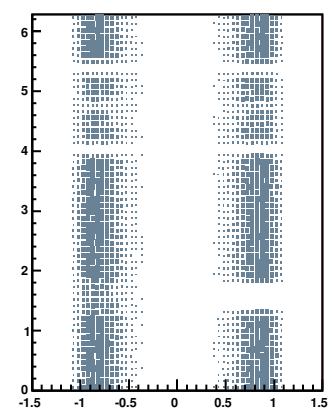
fake-CMUP_CMX EtaPhi of CMX in ALL



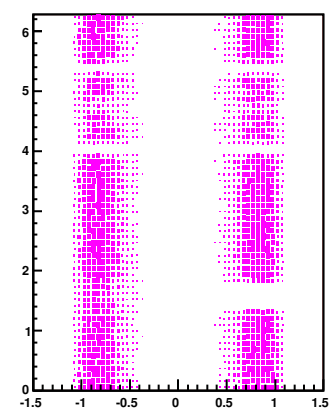
WZ-CMUP_CMX EtaPhi of CMX in ALL



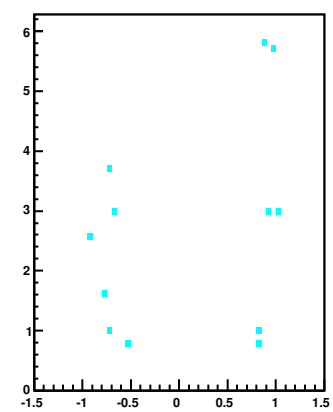
ZZ-CMUP_CMX EtaPhi of CMX in ALL



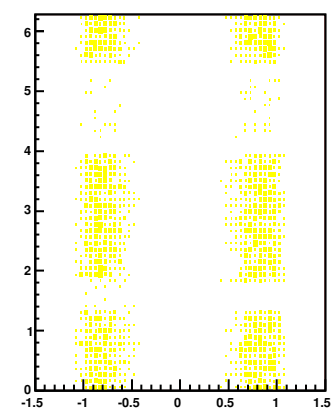
WW-CMUP_CMX EtaPhi of CMX in ALL



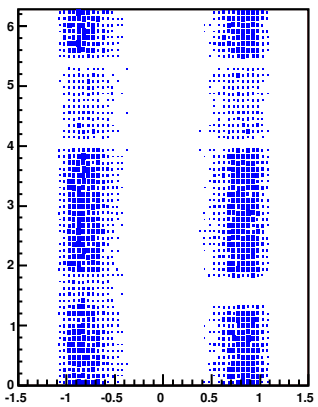
wgamma-CMUP_CMX EtaPhi of CMX in ALL



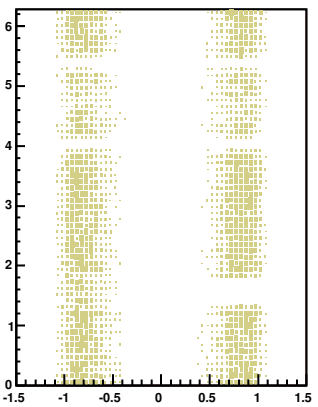
ttbar-CMUP_CMX EtaPhi of CMX in ALL



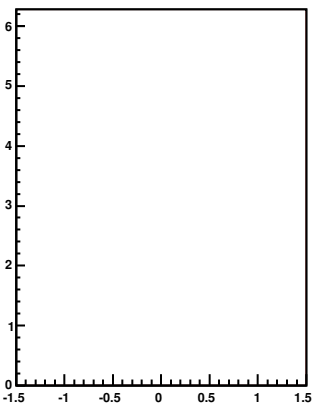
higgsww-CMUP_CMX EtaPhi of CMX in ALL



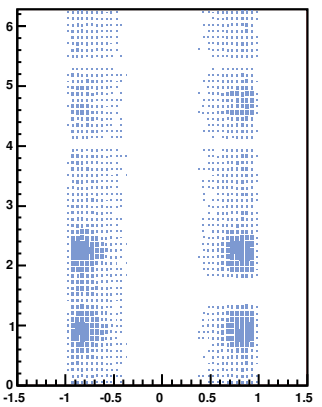
data-CMUP_CMX EtaPhi of CMX in ALL



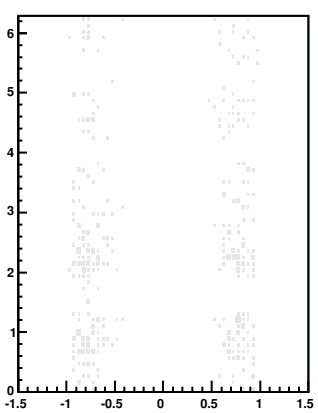
Zee-CMX_CMIO EtaPhi of CMX in ALL



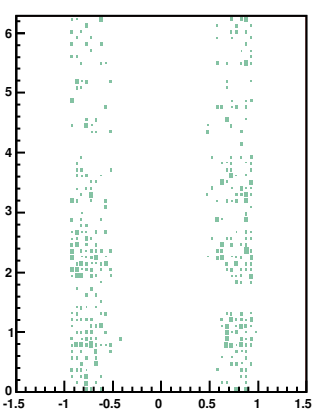
Zmumu-CMX_CMIO EtaPhi of CMX in ALL



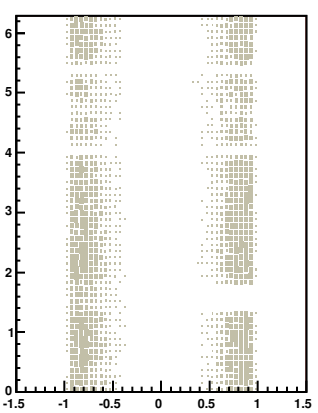
Ztautau-CMX_CMIO EtaPhi of CMX in ALL



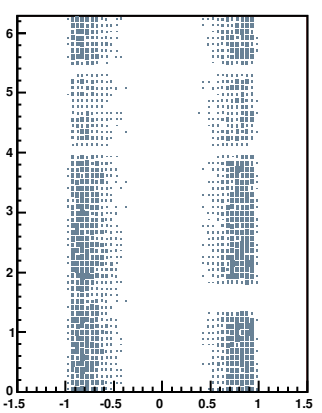
fake-CMX_CMIO EtaPhi of CMX in ALL



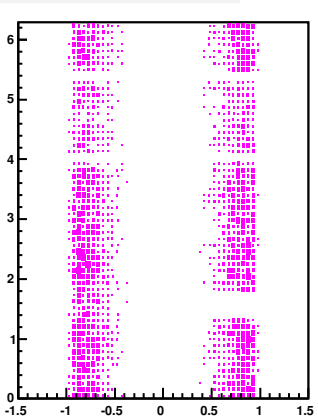
WZ-CMX_CMIO EtaPhi of CMX in ALL



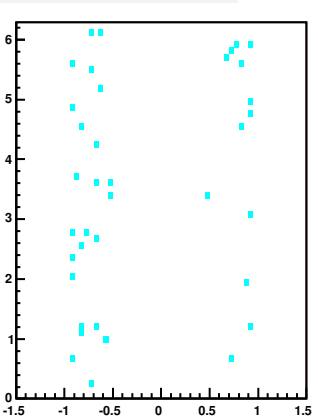
ZZ-CMX_CMIO EtaPhi of CMX in ALL



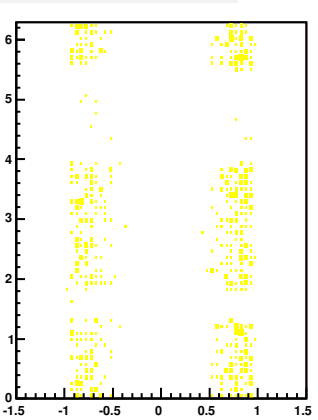
WW-CMX_CMIO EtaPhi of CMX in ALL



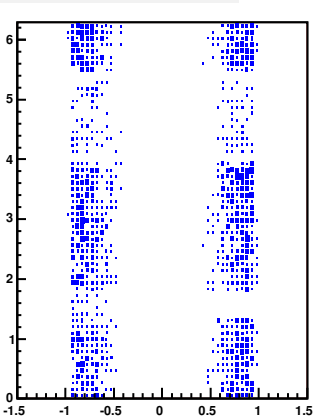
wgamma-CMX_CMIO EtaPhi of CMX in ALL



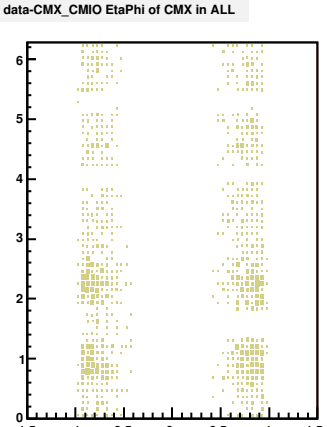
ttbar-CMX_CMIO EtaPhi of CMX in ALL



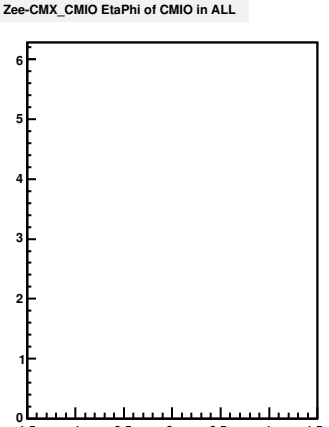
higgsww-CMX_CMIO EtaPhi of CMX in ALL



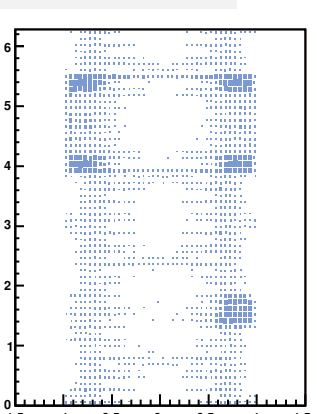
data-CMX_CMIO EtaPhi of CMX in ALL



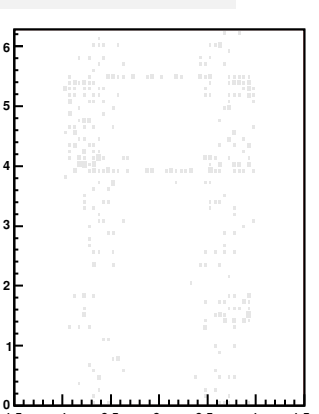
Zee-CMX_CMIO EtaPhi of CMIO in ALL



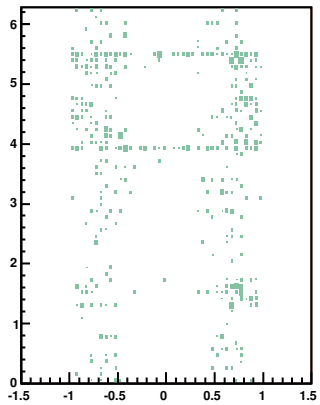
Zmumu-CMX_CMIO EtaPhi of CMIO in ALL



Ztautau-CMX_CMIO EtaPhi of CMIO in ALL

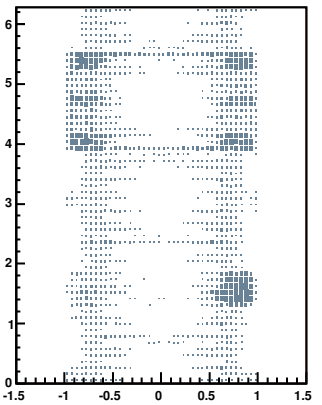


fake-CMX_CMIO EtaPhi of CMIO in ALL

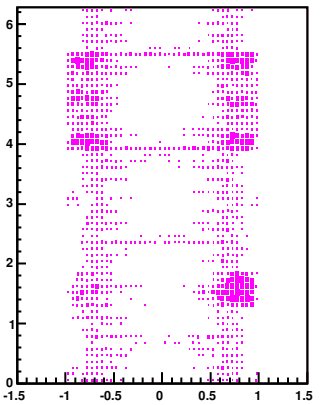


WZ-CMX_CMIO EtaPhi of CMIO in ALL

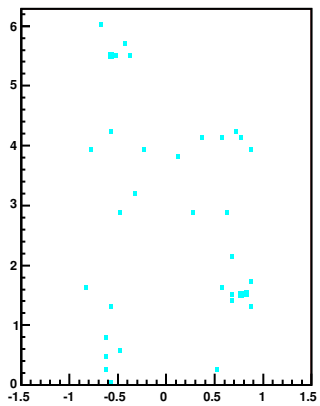
ZZ-CMX_CMIO EtaPhi of CMIO in ALL



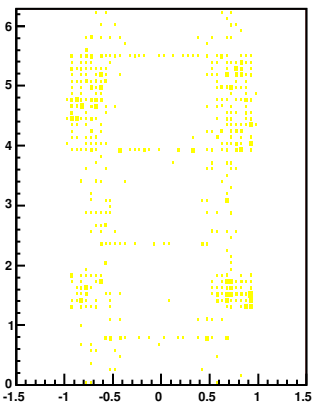
WW-CMX_CMIO EtaPhi of CMIO in ALL



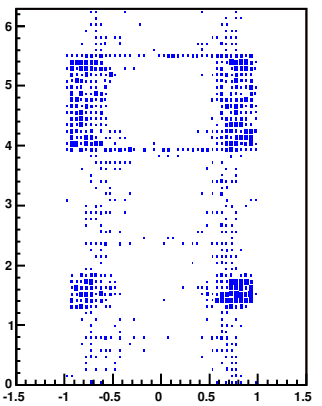
wgamma-CMX_CMIO EtaPhi of CMIO in ALL



ttbar-CMX_CMIO EtaPhi of CMIO in ALL

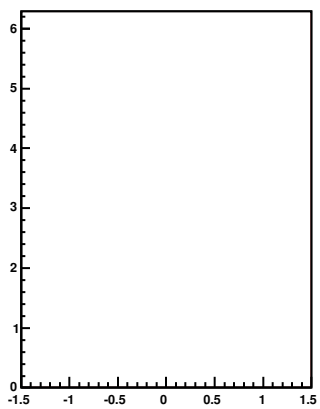


higgsww-CMX_CMIO EtaPhi of CMIO in ALL

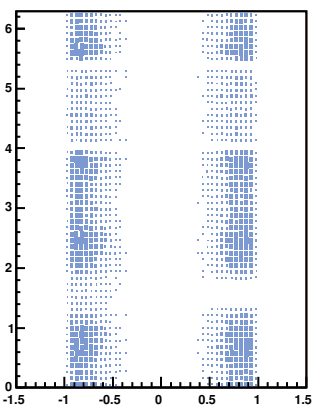


data-CMX_CMIO EtaPhi of CMIO in ALL

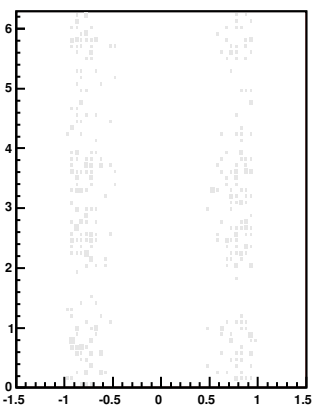
Zee-CMX_CMU EtaPhi of CMX in ALL



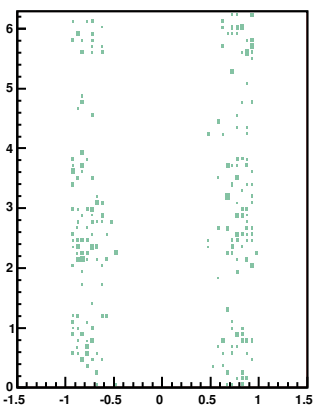
Zmumu-CMX_CMU EtaPhi of CMX in ALL



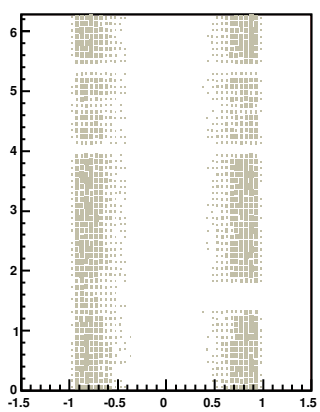
Ztautau-CMX_CMU EtaPhi of CMX in ALL



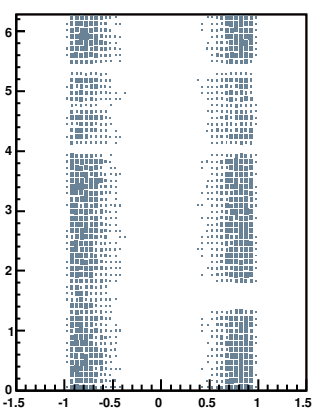
fake-CMX_CMU EtaPhi of CMX in ALL



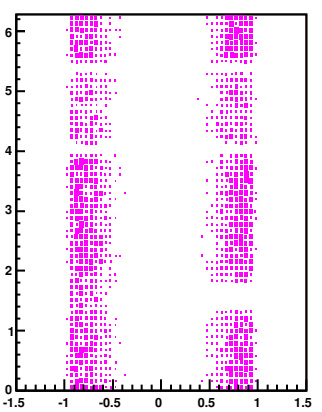
WZ-CMX_CMU EtaPhi of CMX in ALL



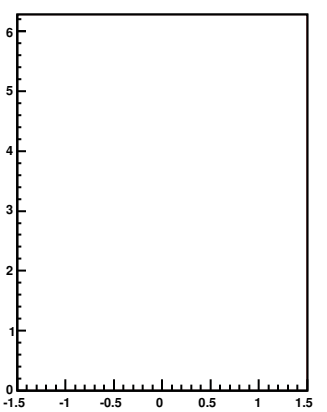
ZZ-CMX_CMU EtaPhi of CMX in ALL



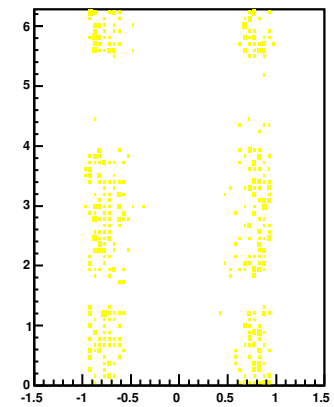
WW-CMX_CMU EtaPhi of CMX in ALL



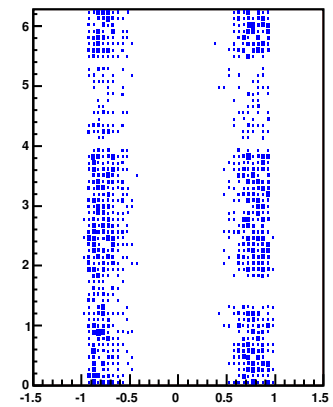
wgamma-CMX_CMU EtaPhi of CMX in ALL



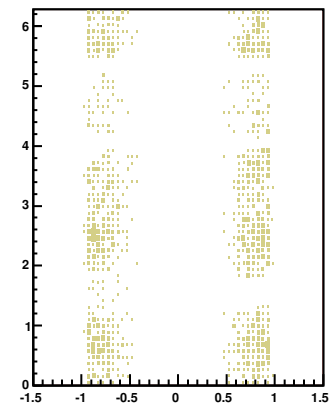
ttbar-CMX_CMU EtaPhi of CMX in ALL



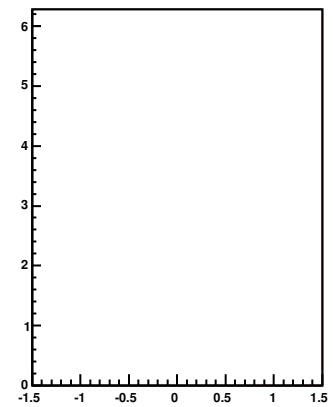
higgsww-CMX_CMU EtaPhi of CMX in ALL



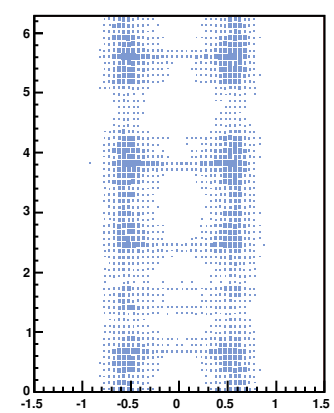
data-CMX_CMU EtaPhi of CMX in ALL



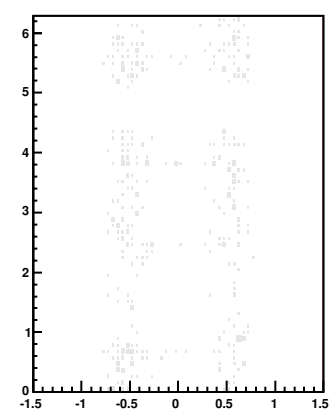
Zee-CMX_CMU EtaPhi of CMU in ALL



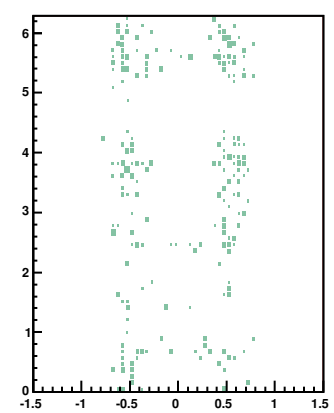
Zmumu-CMX_CMU EtaPhi of CMU in ALL



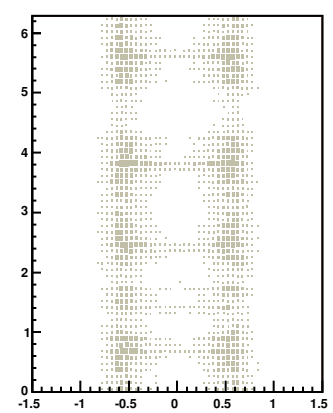
Ztautau-CMX_CMU EtaPhi of CMU in ALL



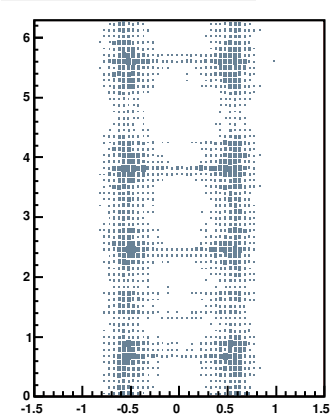
fake-CMX_CMU EtaPhi of CMU in ALL



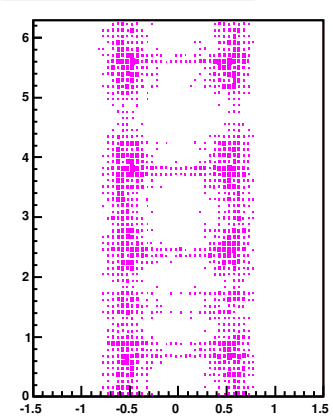
WZ-CMX_CMU EtaPhi of CMU in ALL



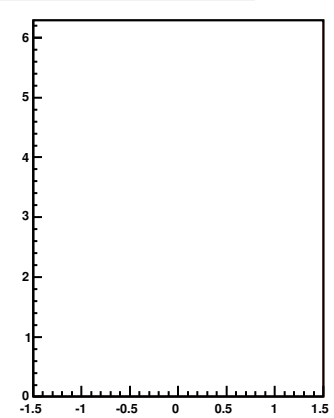
ZZ-CMX_CMU EtaPhi of CMU in ALL



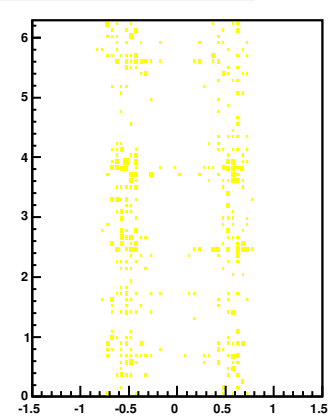
WW-CMX_CMU EtaPhi of CMU in ALL



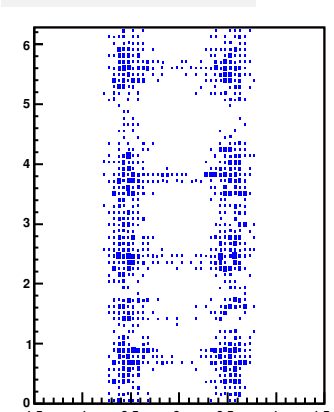
wgamma-CMX_CMU EtaPhi of CMU in ALL



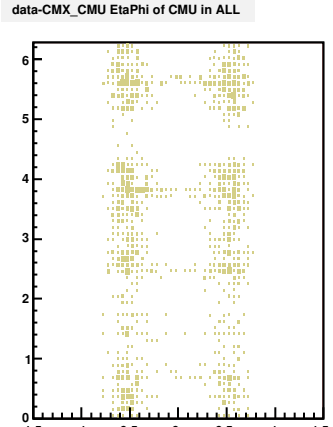
ttbar-CMX_CMU EtaPhi of CMU in ALL



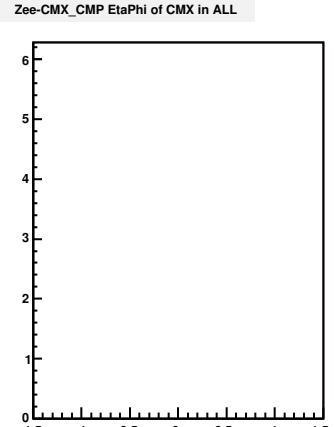
higgsww-CMX_CMU EtaPhi of CMU in ALL



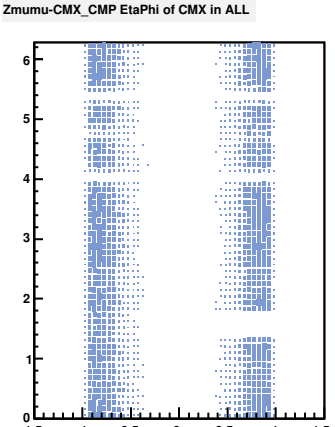
data-CMX_CMU EtaPhi of CMU in ALL



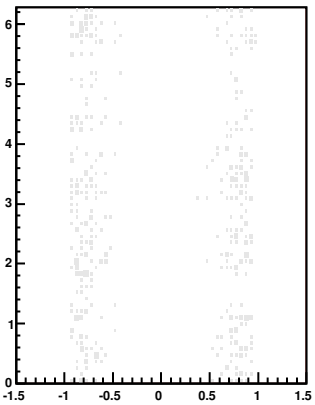
Zee-CMX_CMP EtaPhi of CMX in ALL



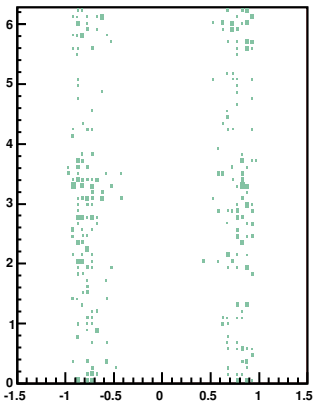
Zmumu-CMX_CMP EtaPhi of CMX in ALL



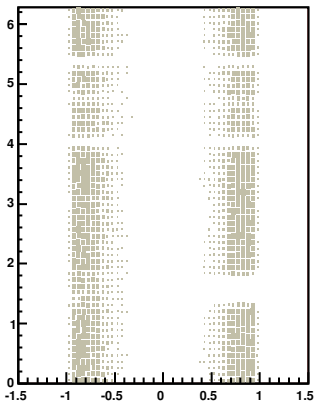
Ztautau-CMX_CMP EtaPhi of CMX in ALL



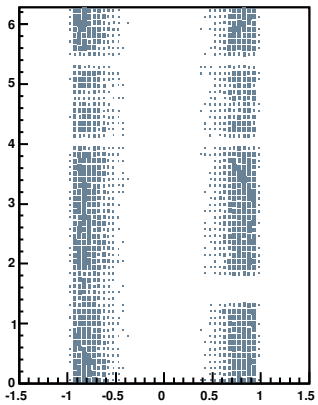
fake-CMX_CMP EtaPhi of CMX in ALL



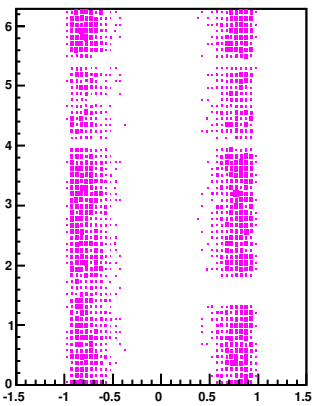
WZ-CMX_CMP EtaPhi of CMX in ALL



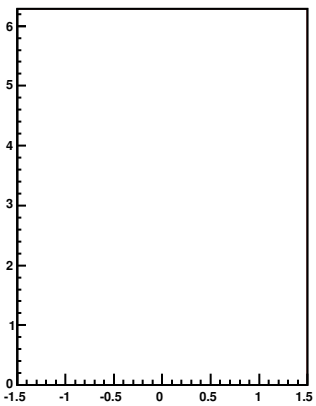
ZZ-CMX_CMP EtaPhi of CMX in ALL



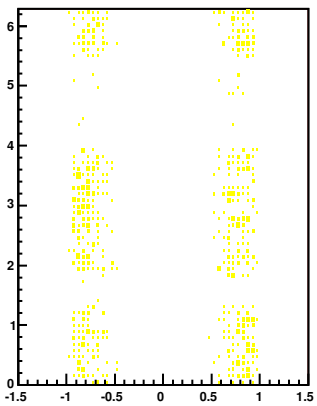
WW-CMX_CMP EtaPhi of CMX in ALL



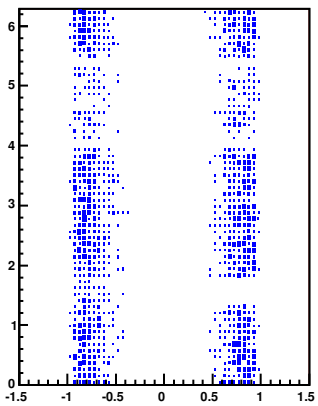
wgamma-CMX_CMP EtaPhi of CMX in ALL



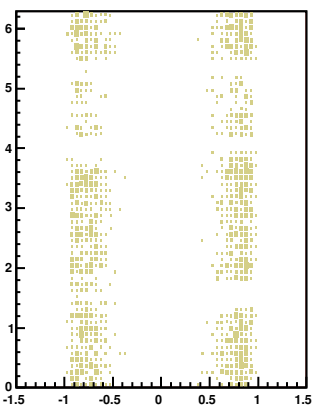
ttbar-CMX_CMP EtaPhi of CMX in ALL



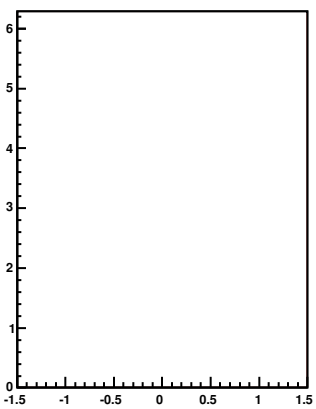
higgsww-CMX_CMP EtaPhi of CMX in ALL



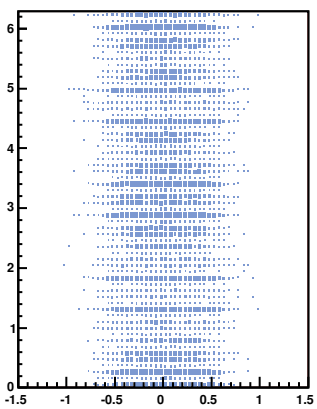
data-CMX_CMP EtaPhi of CMX in ALL



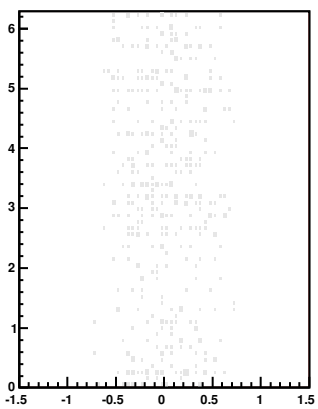
Zee-CMX_CMP EtaPhi of CMP in ALL



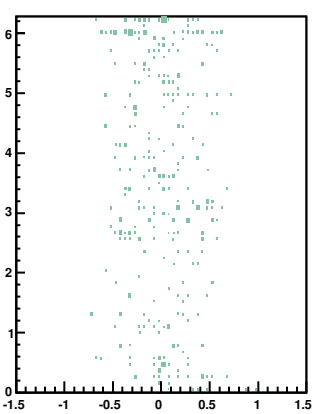
Zmumu-CMX_CMP EtaPhi of CMP in ALL



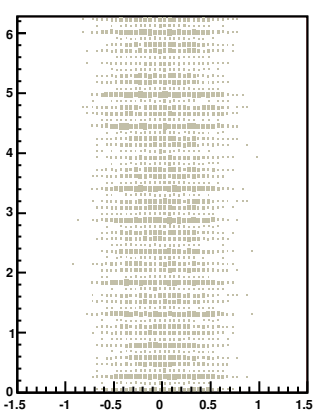
Ztautau-CMX_CMP EtaPhi of CMP in ALL



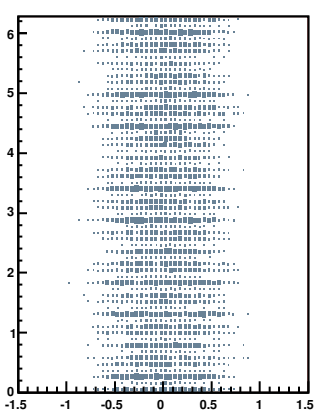
fake-CMX_CMP EtaPhi of CMP in ALL



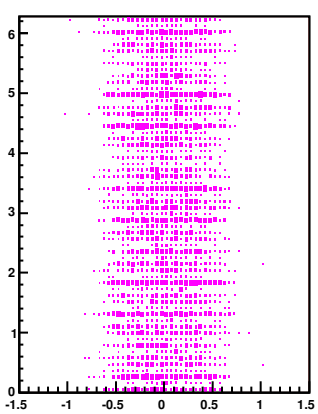
WZ-CMX_CMP EtaPhi of CMP in ALL



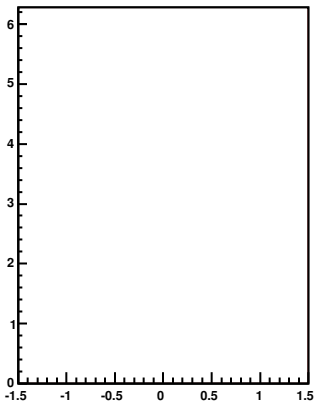
ZZ-CMX_CMP EtaPhi of CMP in ALL



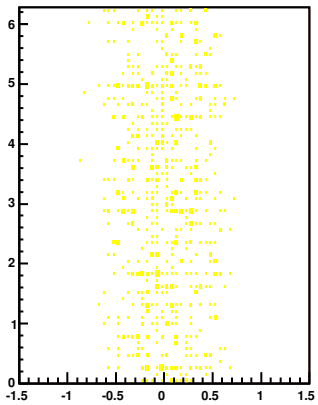
WW-CMX_CMP EtaPhi of CMP in ALL



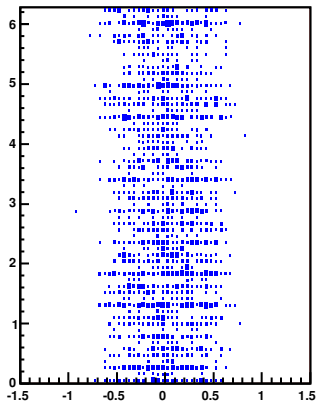
wgamma-CMX_CMP EtaPhi of CMP in ALL



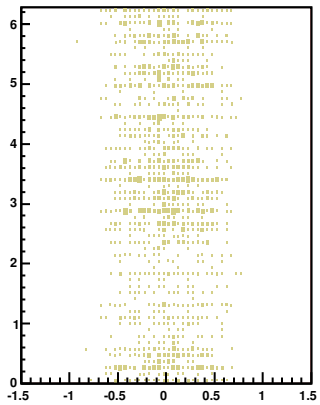
ttbar-CMX_CMP EtaPhi of CMP in ALL



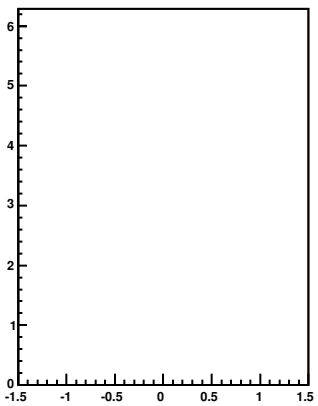
higgsww-CMX_CMP EtaPhi of CMP in ALL



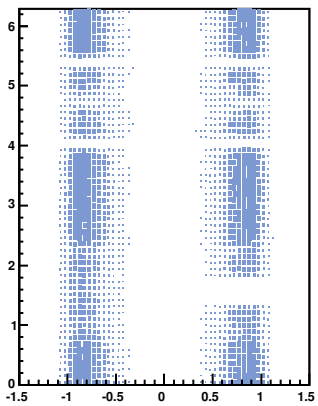
data-CMX_CMP EtaPhi of CMP in ALL



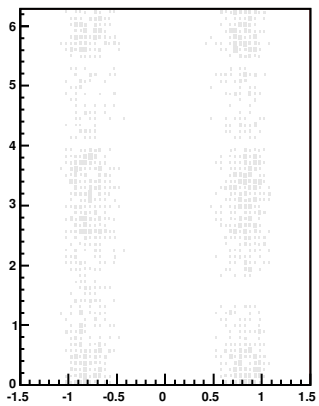
Zee-CMX_CMX EtaPhi of CMX in ALL



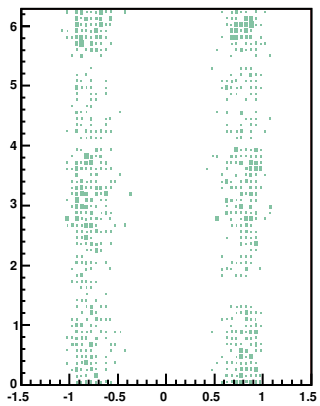
Zmumu-CMX_CMX EtaPhi of CMX in ALL



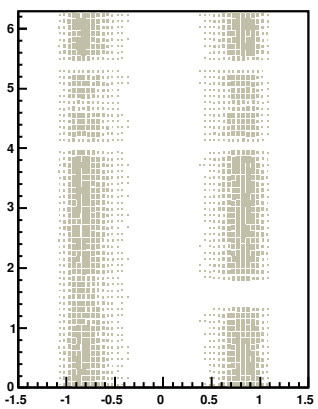
Ztautau-CMX_CMX EtaPhi of CMX in ALL



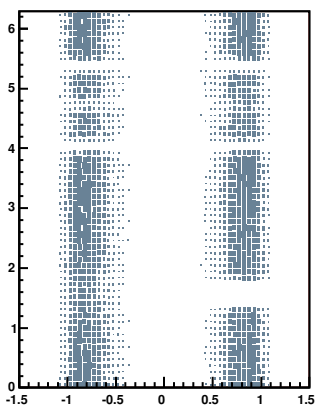
fake-CMX_CMX EtaPhi of CMX in ALL



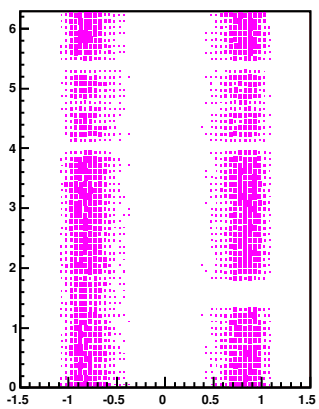
WZ-CMX_CMX EtaPhi of CMX in ALL



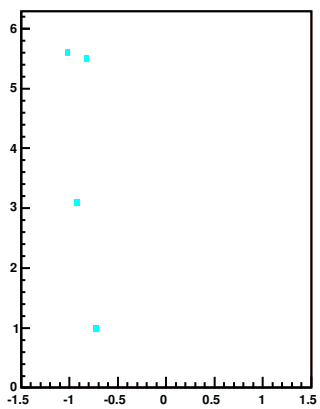
ZZ-CMX_CMX EtaPhi of CMX in ALL



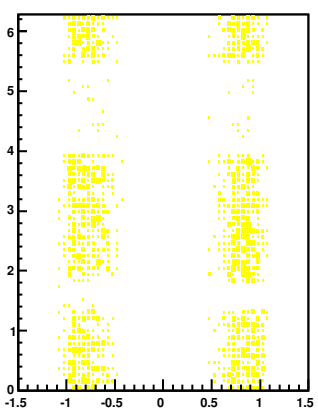
WW-CMX_CMX EtaPhi of CMX in ALL



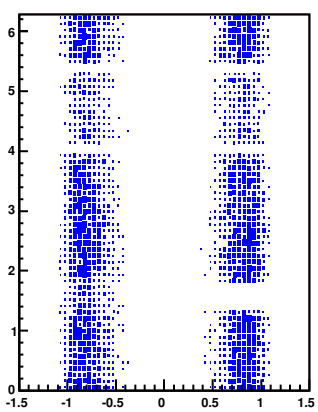
wgamma-CMX_CMX EtaPhi of CMX in ALL



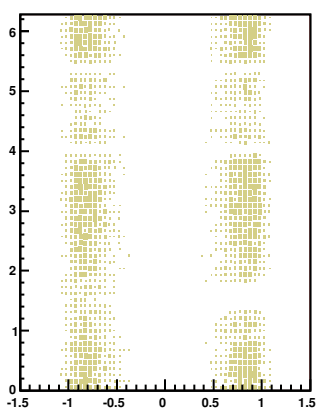
ttbar-CMX_CMX EtaPhi of CMX in ALL



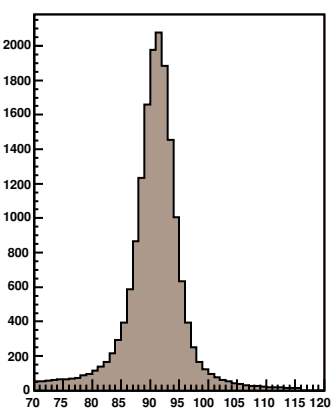
higgsww-CMX_CMX EtaPhi of CMX in ALL



data-CMX_CMX EtaPhi of CMX in ALL



Zee-TCE_TCE Mass



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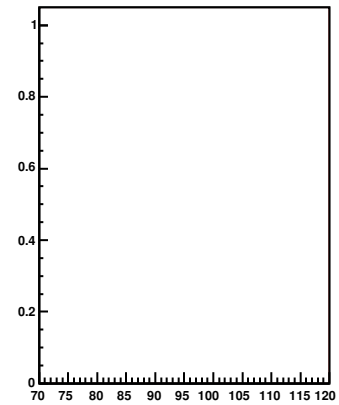
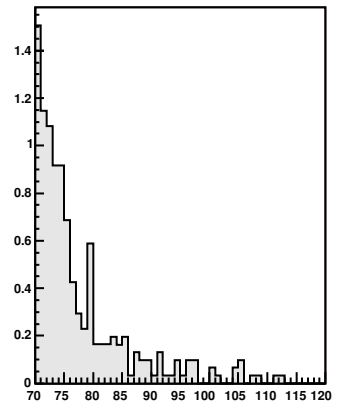
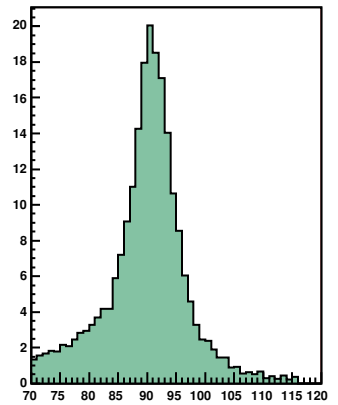


Ztautau-TCE_TCE Mass



fake-TCE_TCE Mass



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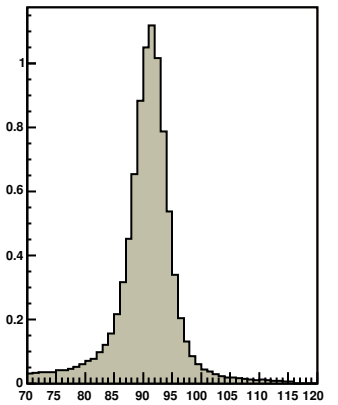

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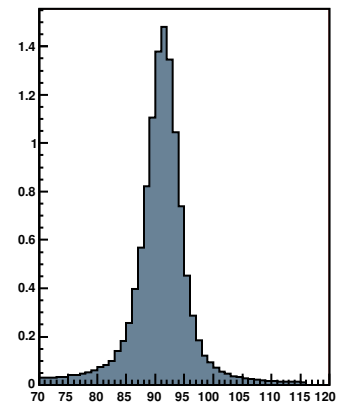
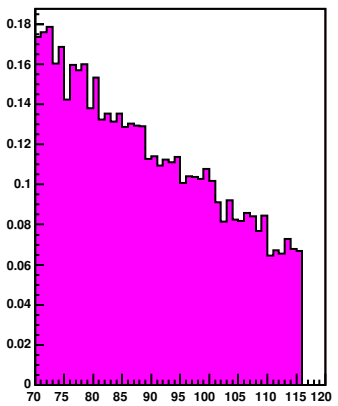
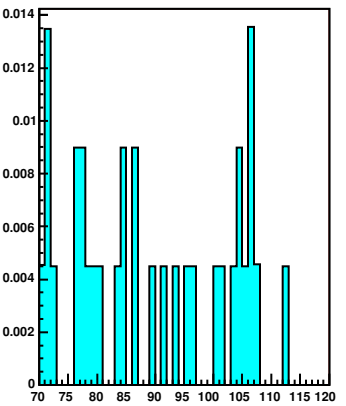


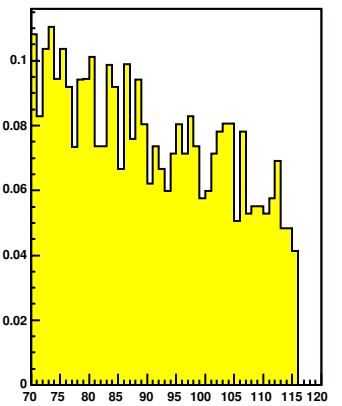
WW-TCE_TCE Mass



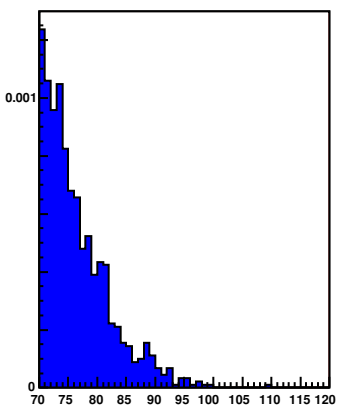
wgamma-TCE_TCE Mass



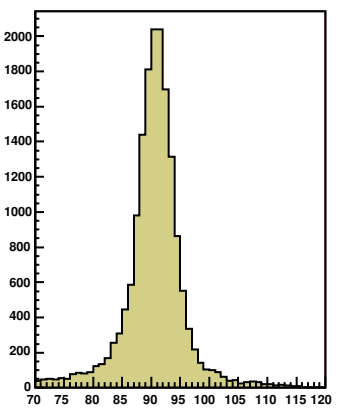
ttbar-TCE_TCE Mass



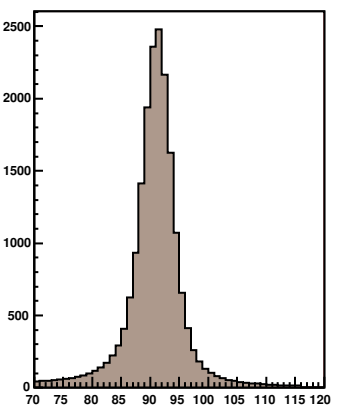
higgsww-TCE_TCE Mass



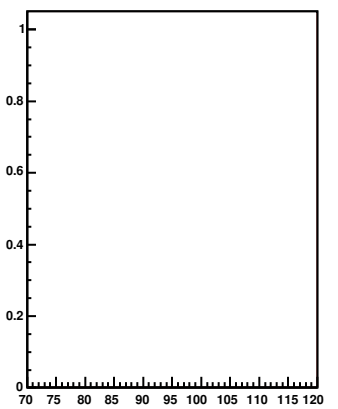
data-TCE_TCE Mass



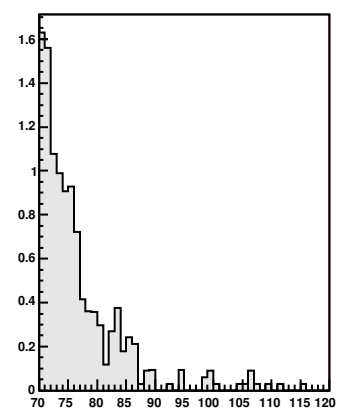
Zee-TCE_PHX Mass



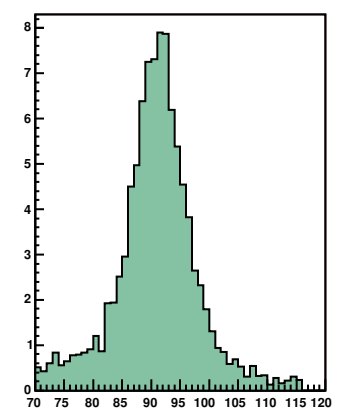
Zmumu-TCE_PHX Mass



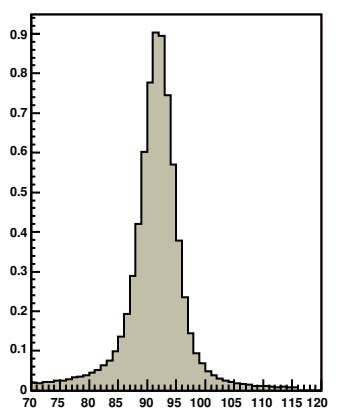
Ztautau-TCE_PHX Mass



fake-TCE_PHX Mass



WZ-TCE_PHX Mass



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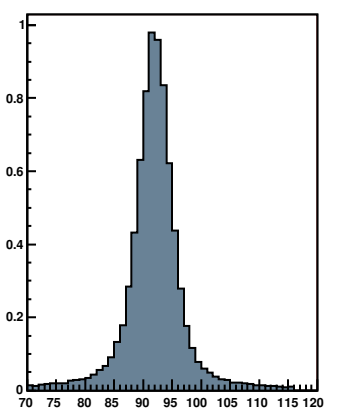

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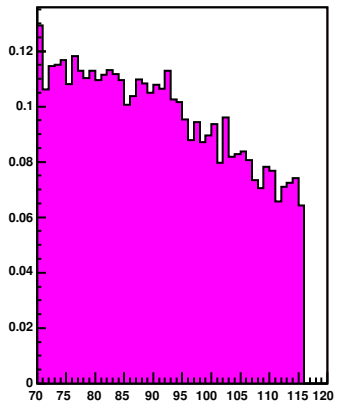
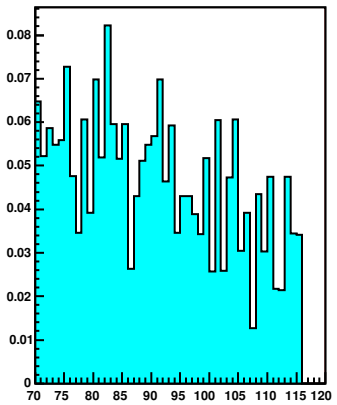
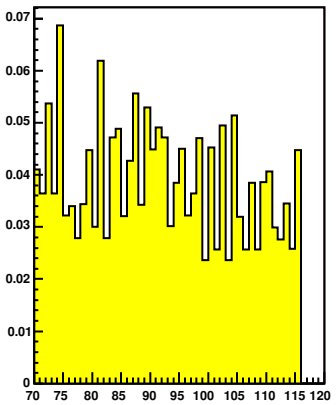


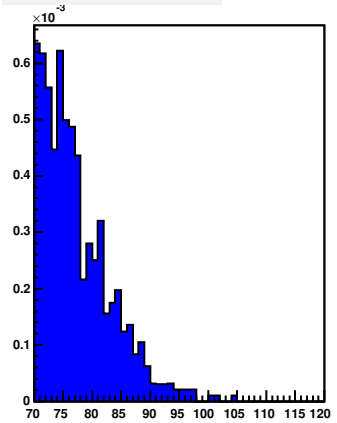
wgamma-TCE_PHX Mass



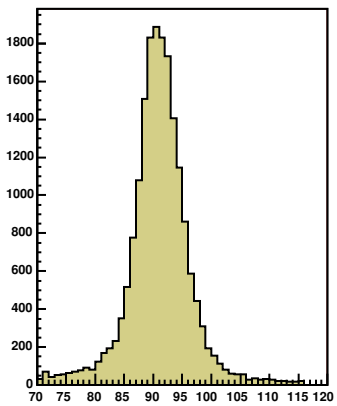
ttbar-TCE_PHX Mass



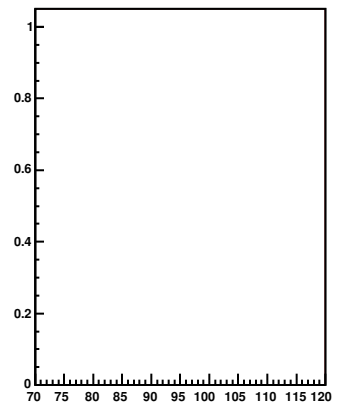
higgsww-TCE_PHX Mass



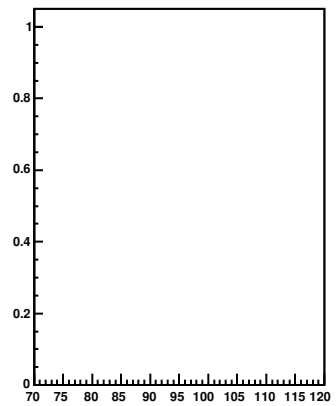
data-TCE_PHX Mass



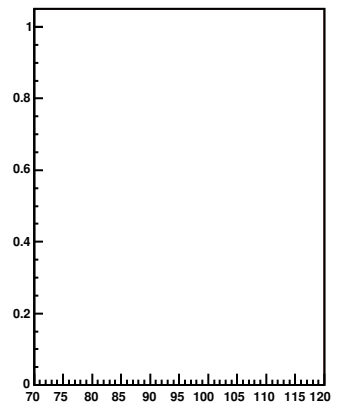
Zee-PHX_PHX Mass



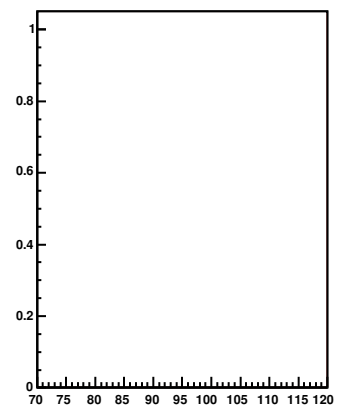
Zmumu-PHX_PHX Mass



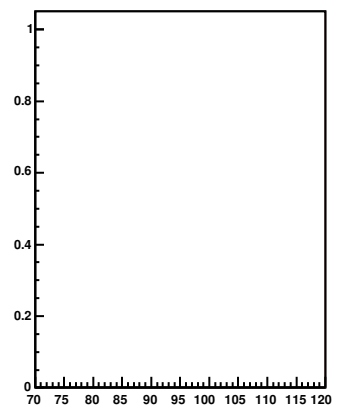
Ztautau-PHX_PHX Mass



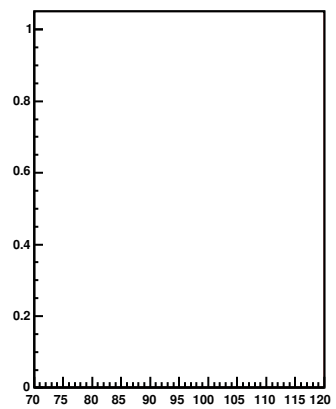
fake-PHX_PHX Mass



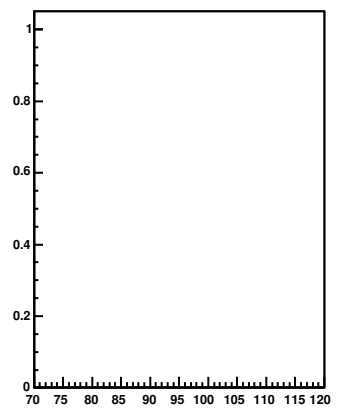
WZ-PHX_PHX Mass



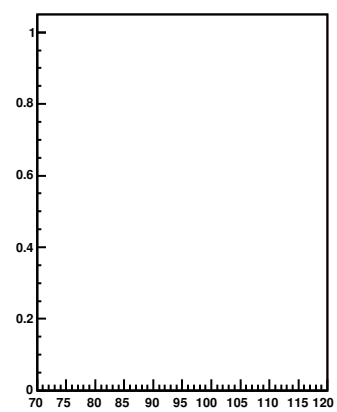
ZZ-PHX_PHX Mass



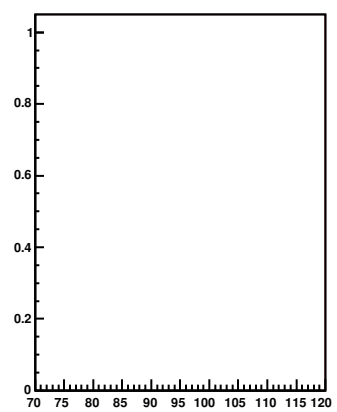
WW-PHX_PHX Mass



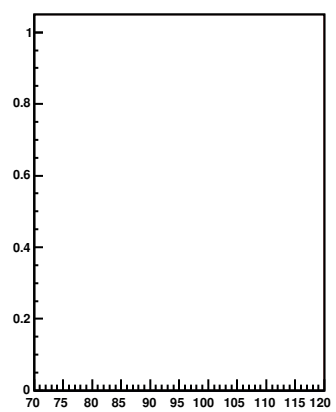
wgamma-PHX_PHX Mass



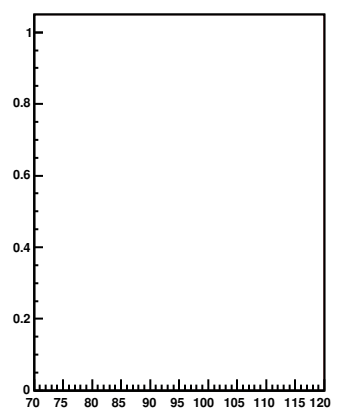
ttbar-PHX_PHX Mass



higgsww-PHX_PHX Mass



data-PHX_PHX Mass



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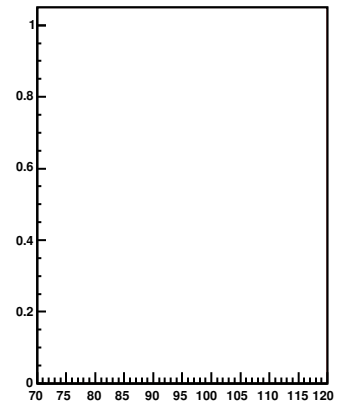

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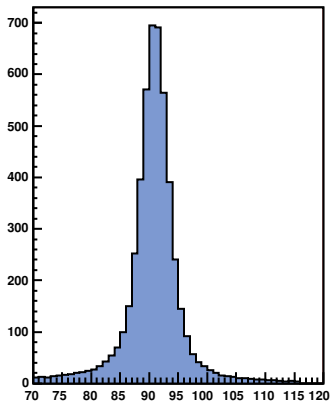

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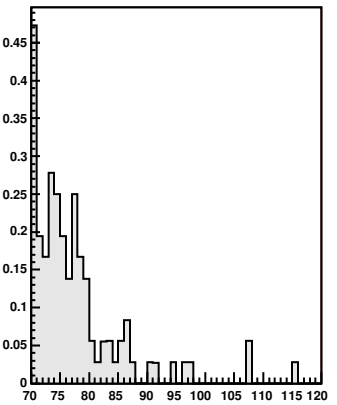

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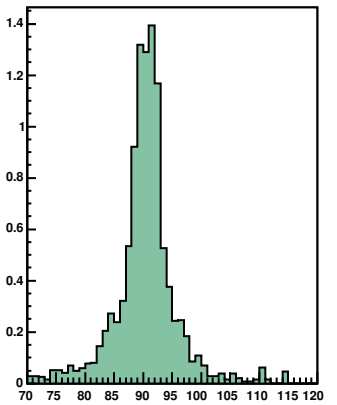

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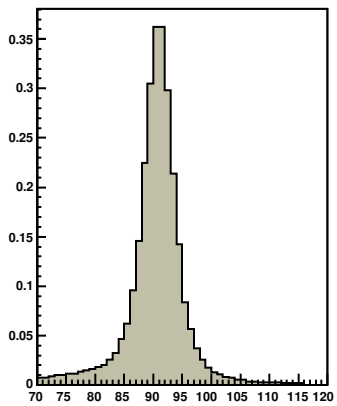

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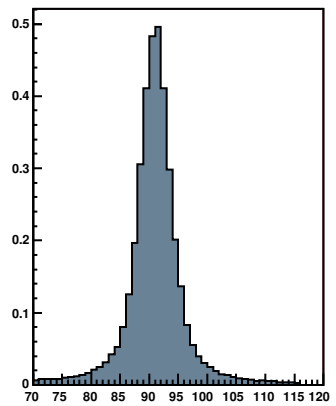

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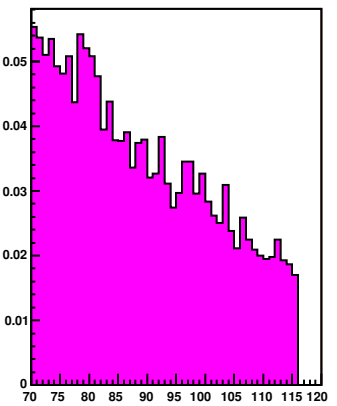

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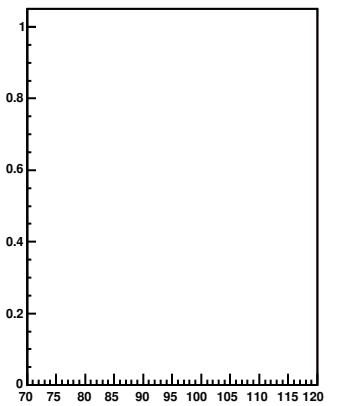

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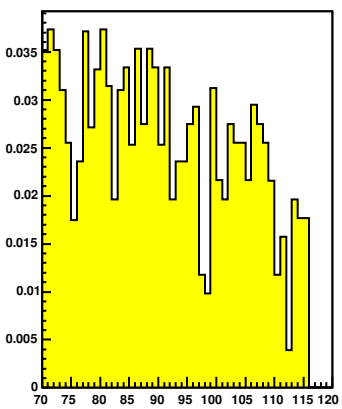

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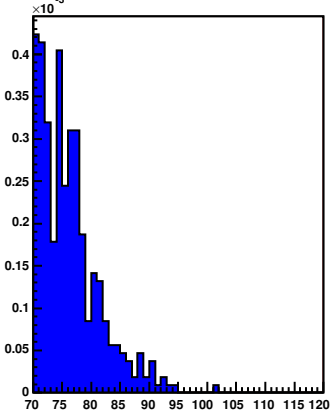
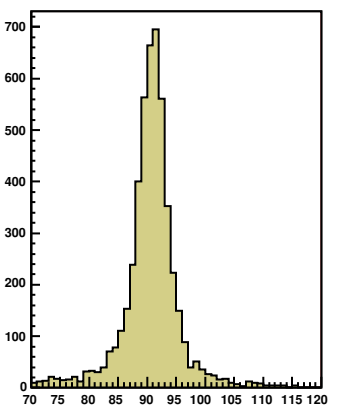


data-CMUP_CMUP Mass



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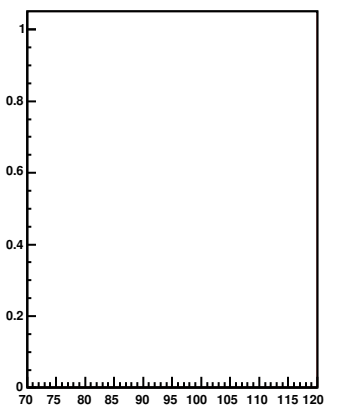

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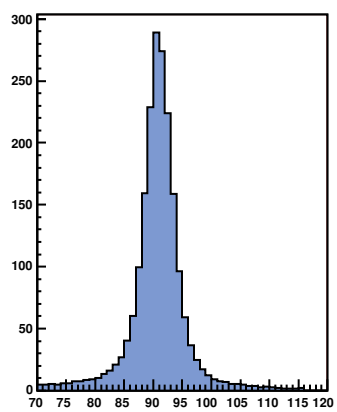

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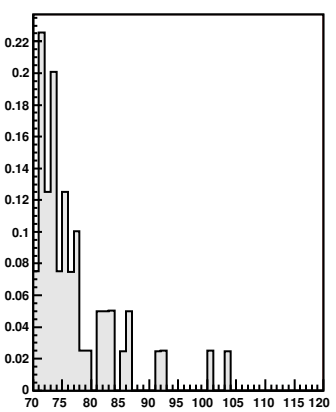

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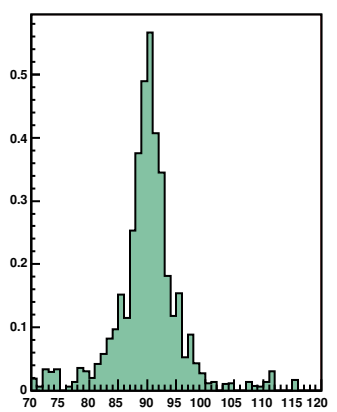

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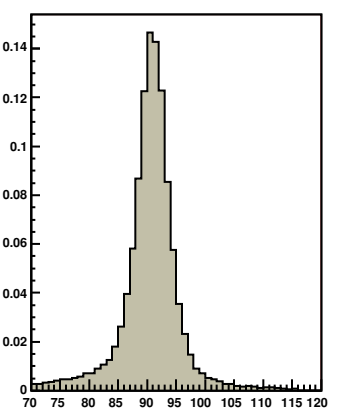

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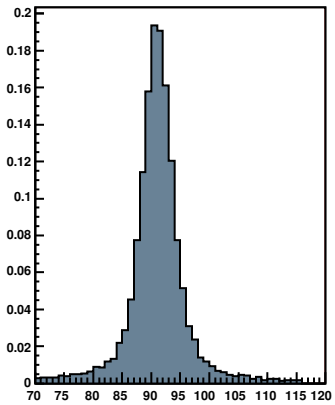

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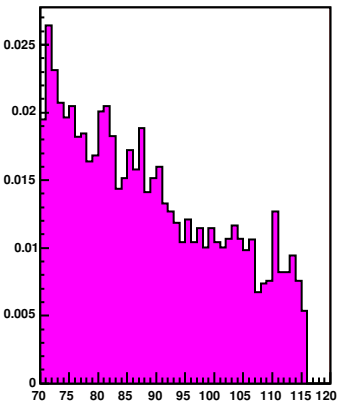

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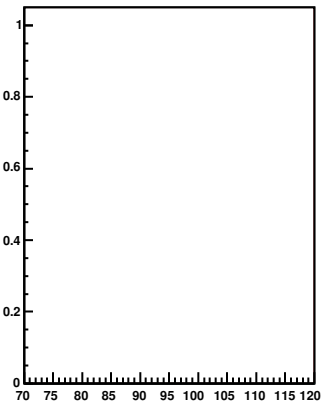

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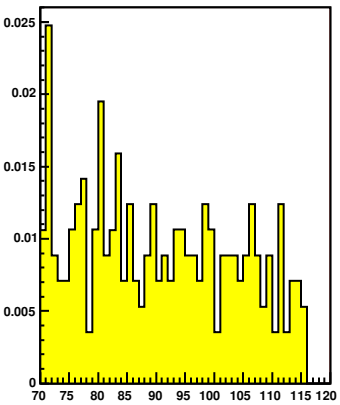
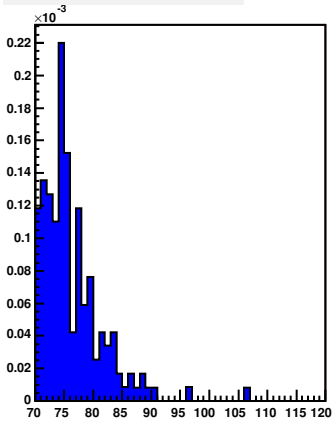
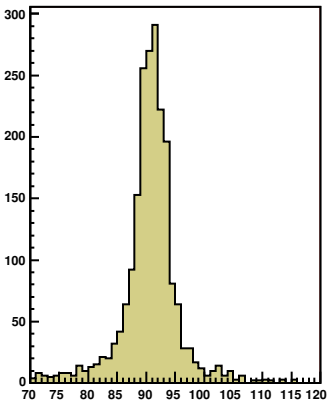


higgsww-CMUP_CMU Mass



data-CMUP_CMU Mass



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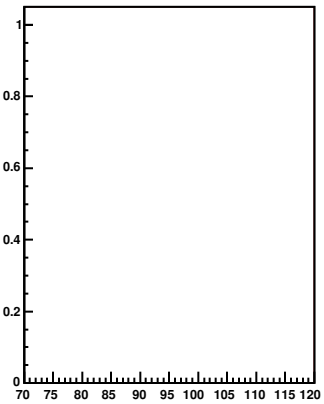

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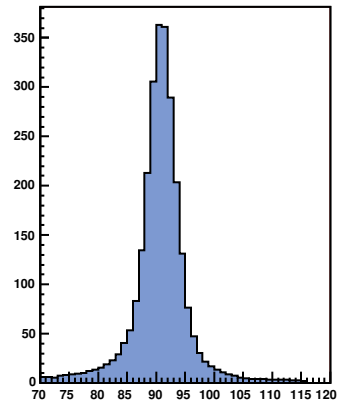

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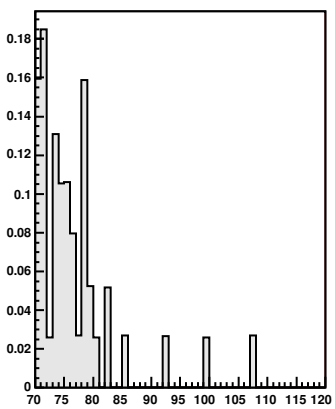
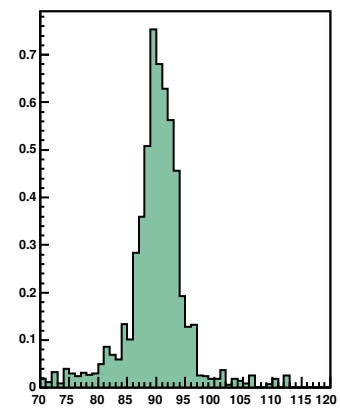


fake-CMUP_CMP Mass



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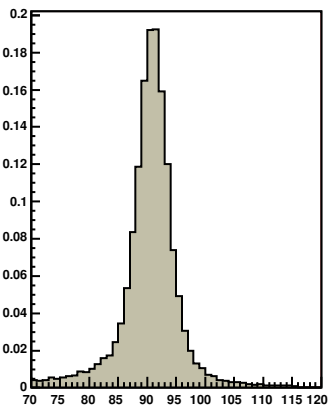

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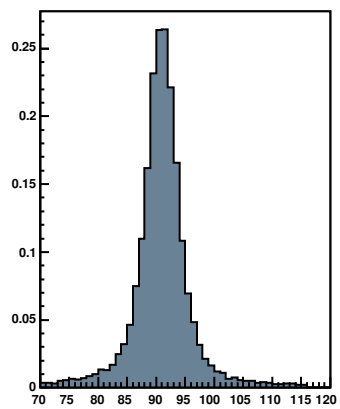

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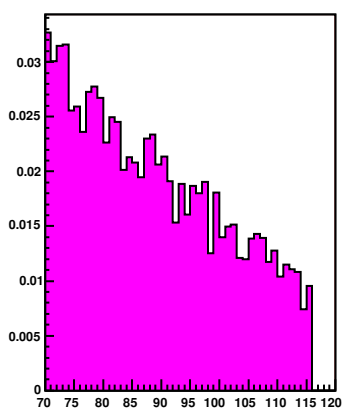
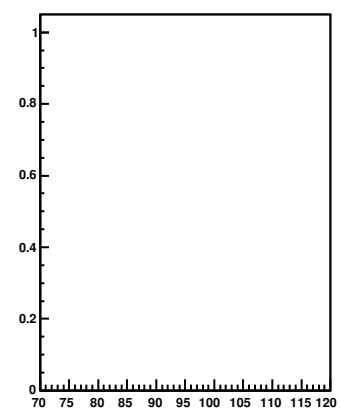
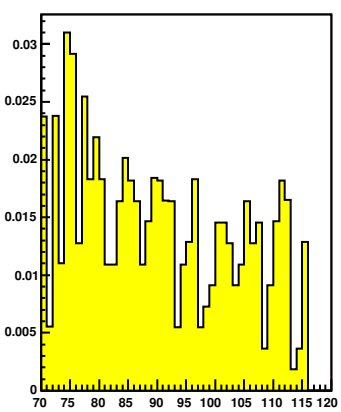


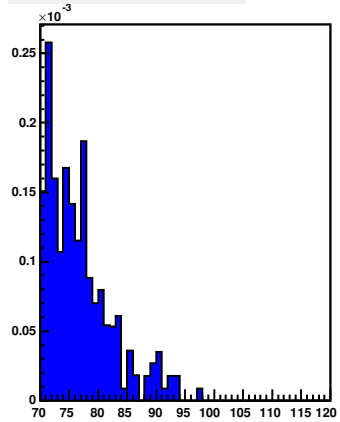
wgamma-CMUP_CMP Mass



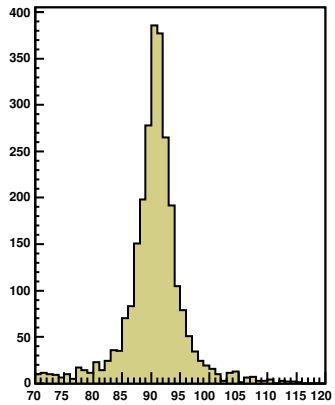
ttbar-CMUP_CMP Mass



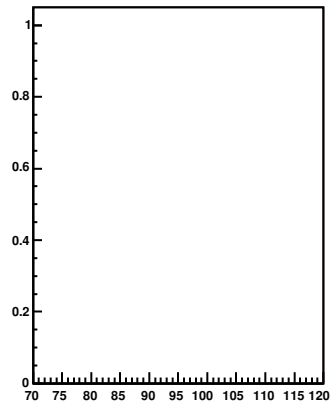
higgsww-CMUP_CMP Mass



data-CMUP_CMP Mass



Zee-CMUP_CMX Mass



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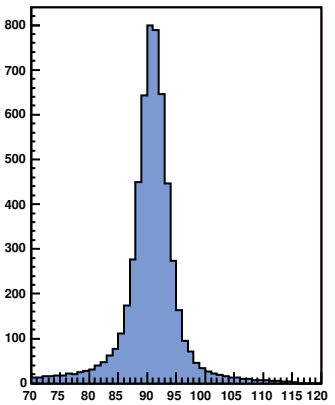

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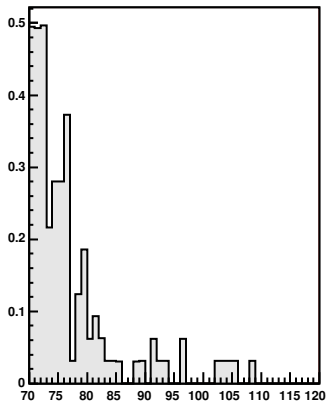
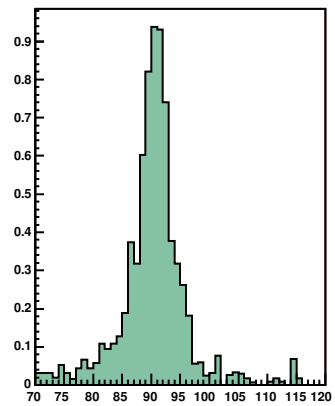


fake-CMUP_CMX Mass



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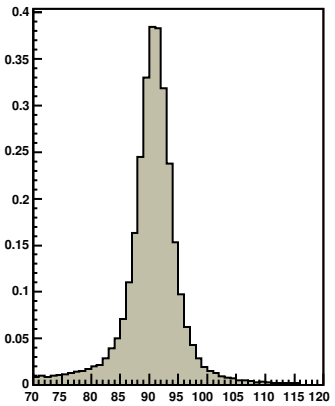

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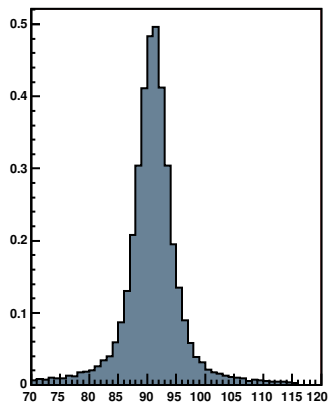

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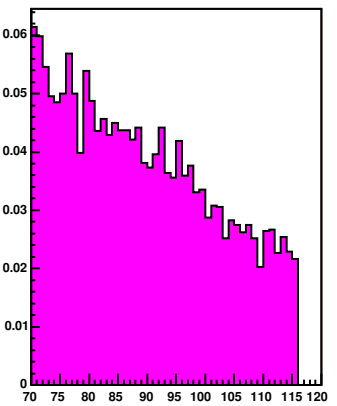

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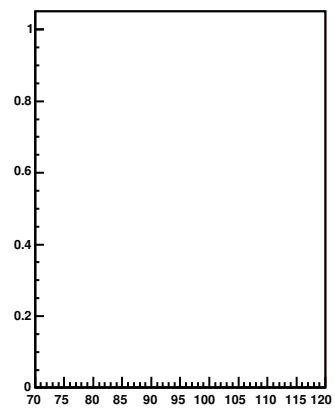

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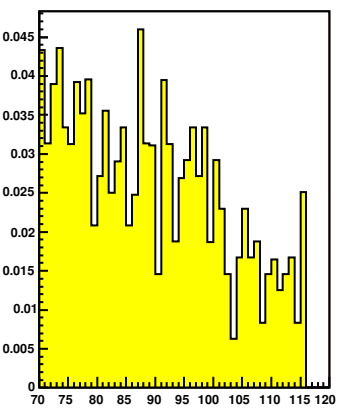
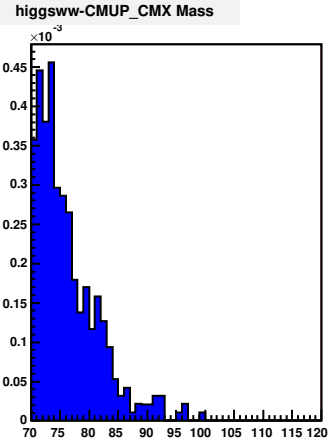
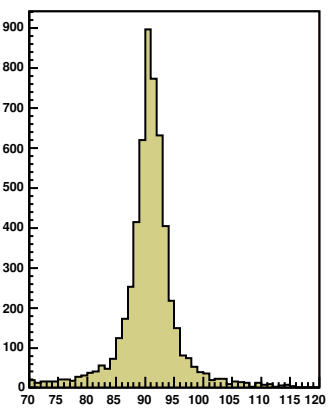


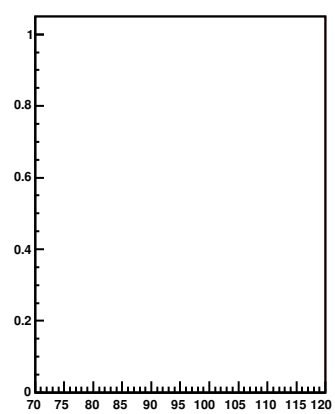
higgsww-CMUP_CMX Mass



data-CMUP_CMX Mass



Zee-CMUP_CMIO Mass



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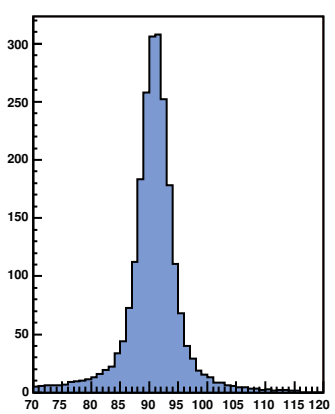

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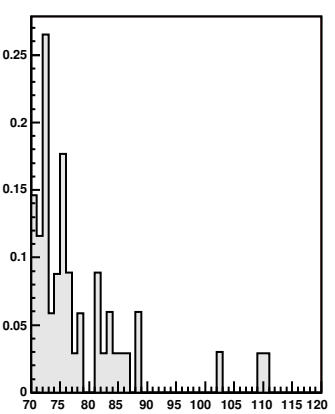
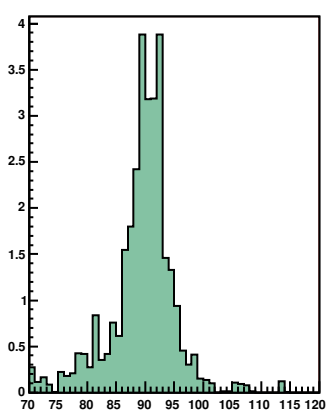


fake-CMUP_CMIO Mass



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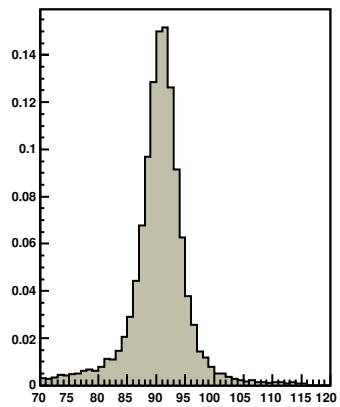

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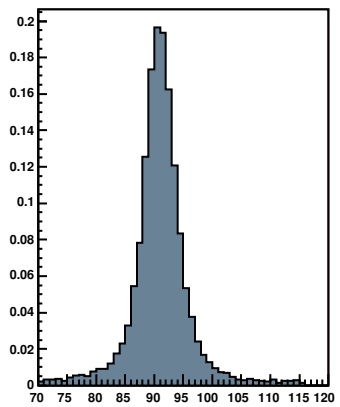

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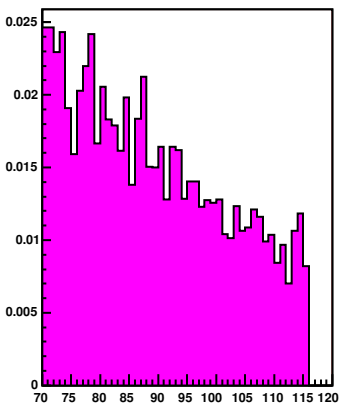

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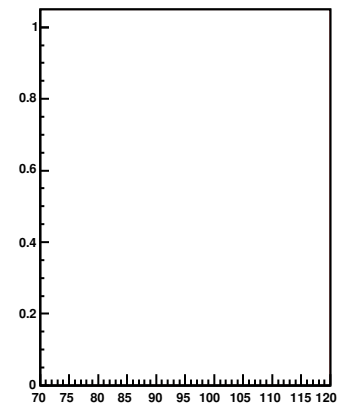
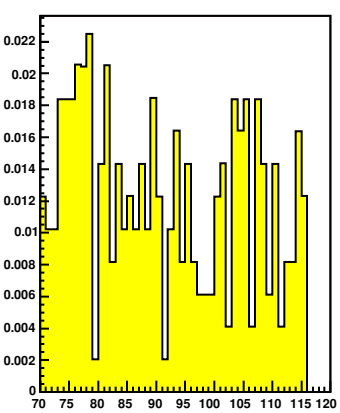
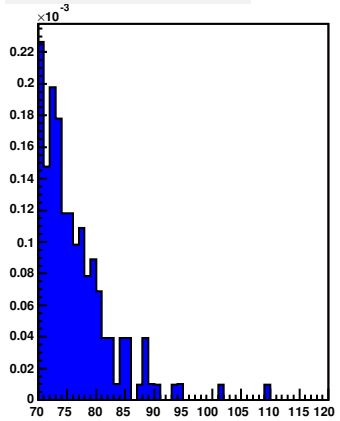


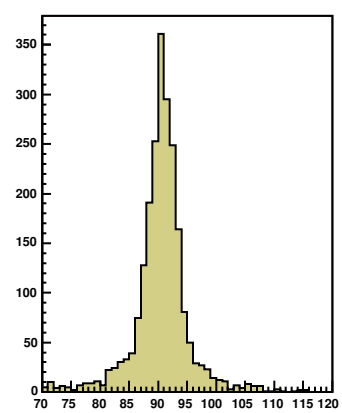
ttbar-CMUP_CMIO Mass



higgsww-CMUP_CMIO Mass



data-CMUP_CMIO Mass



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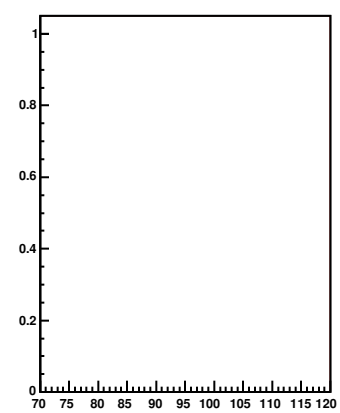

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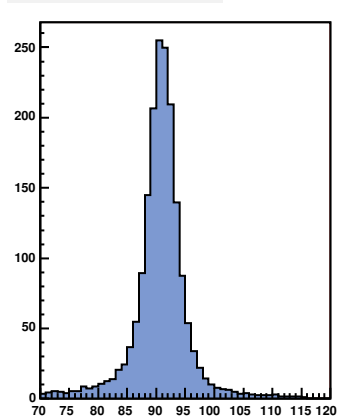

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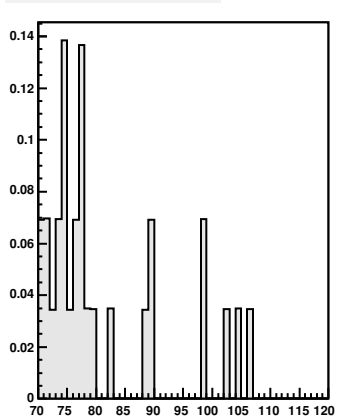

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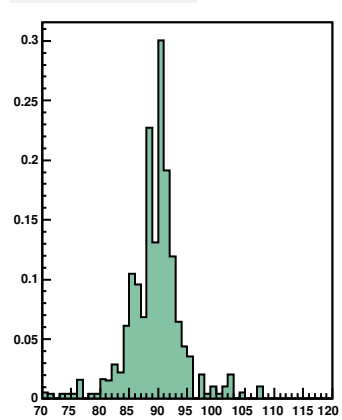

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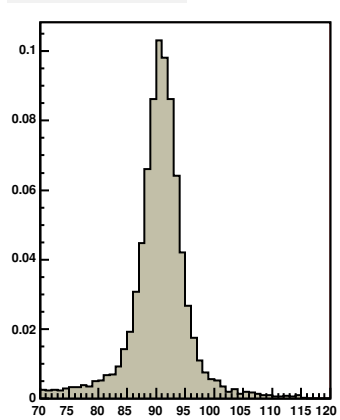

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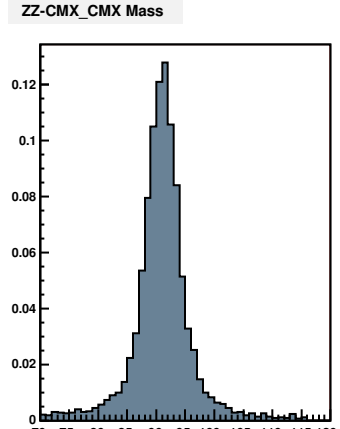

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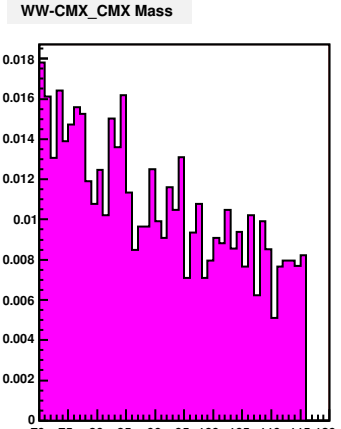

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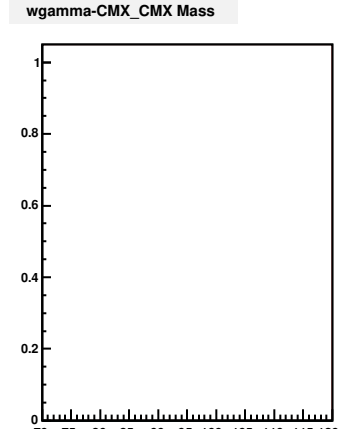

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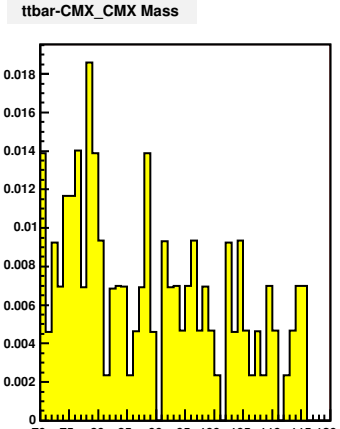

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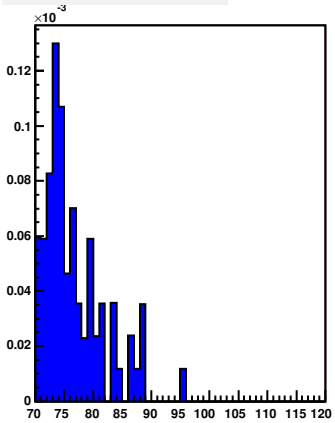

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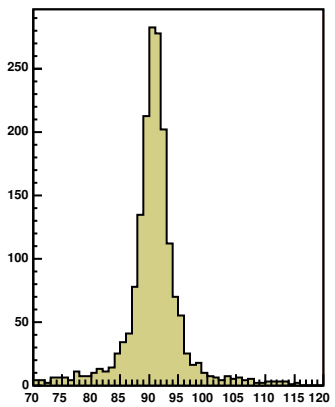

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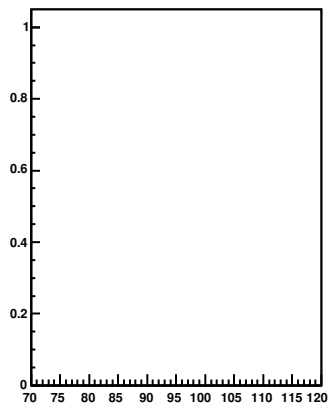

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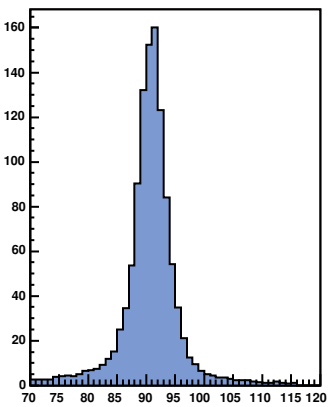

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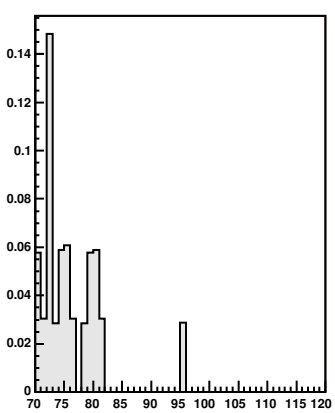
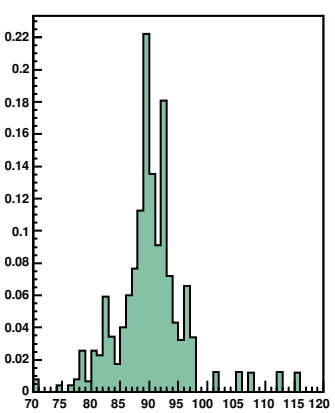


fake-CMX_CMU Mass



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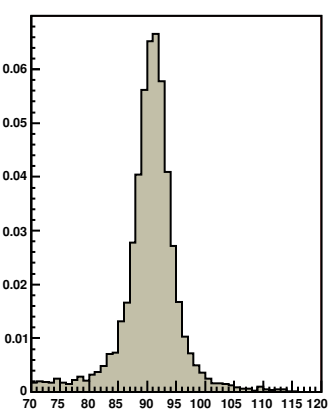

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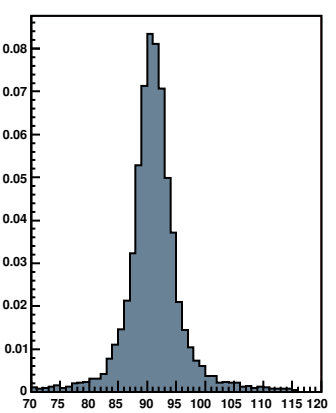

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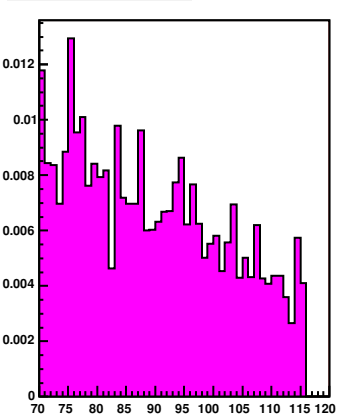

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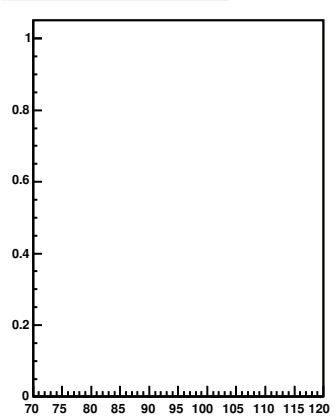
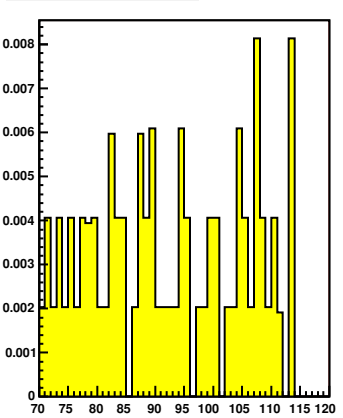
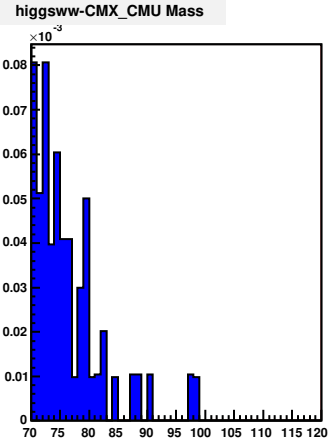


ttbar-CMX_CMU Mass



higgsww-CMX_CMU Mass



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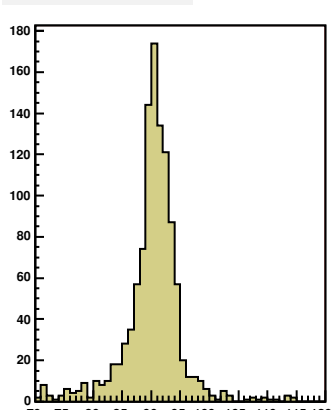

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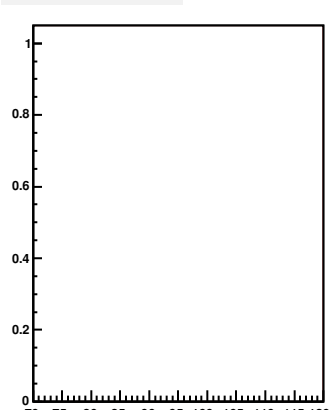

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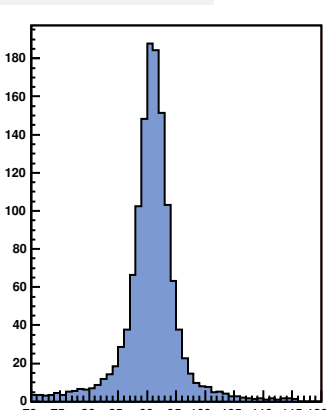

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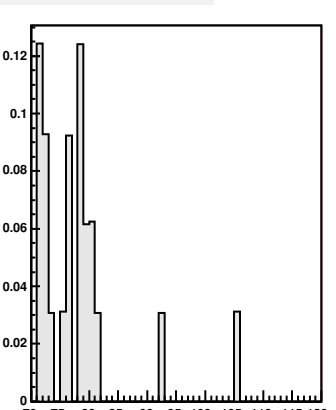
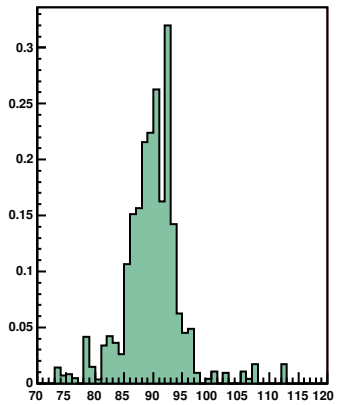


fake-CMX_CMP Mass



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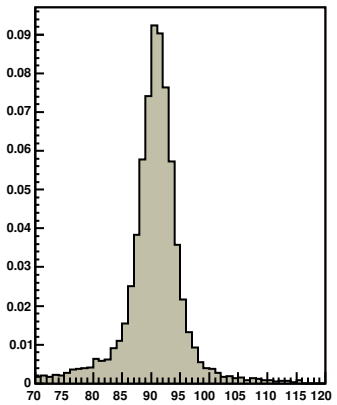

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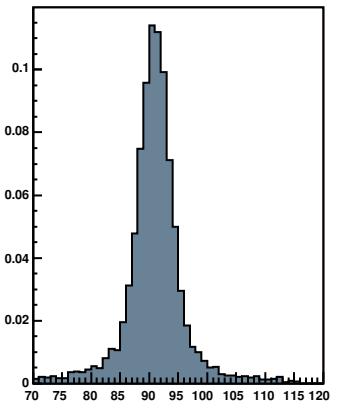

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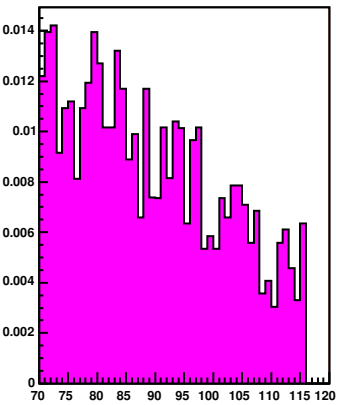

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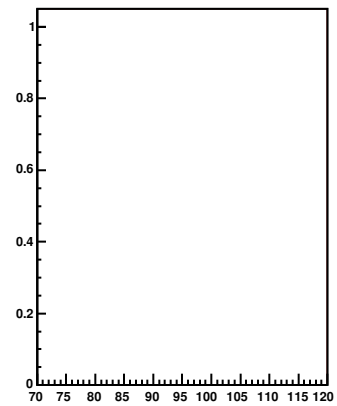
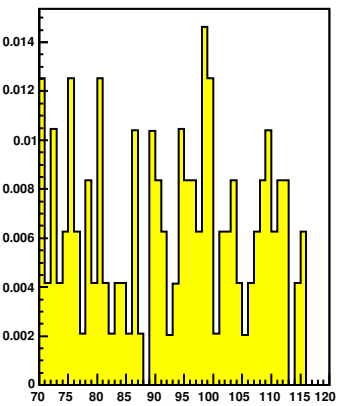
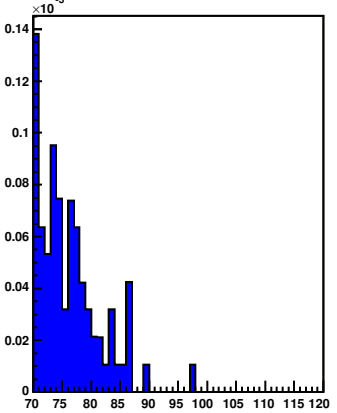


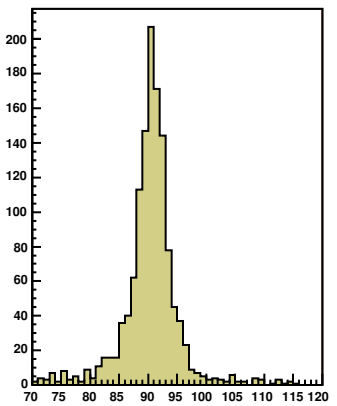
ttbar-CMX_CMP Mass



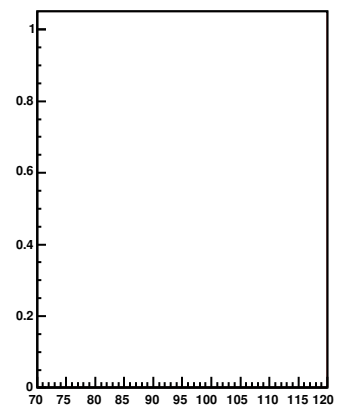
higgsww-CMX_CMP Mass



data-CMX_CMP Mass



Zee-CMX_CMIO Mass



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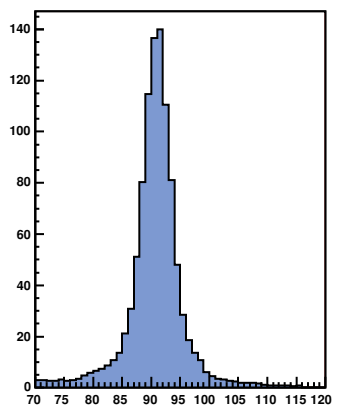
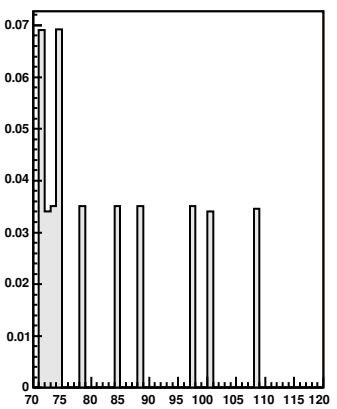
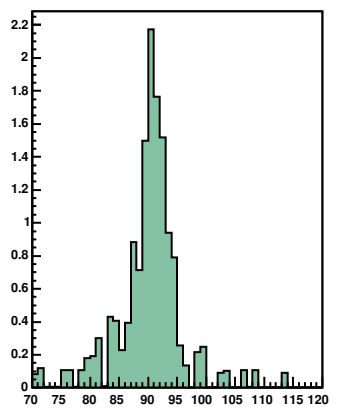


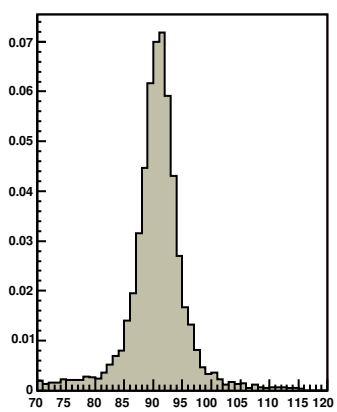
Ztautau-CMX_CMIO Mass



fake-CMX_CMIO Mass



WZ-CMX_CMIO Mass



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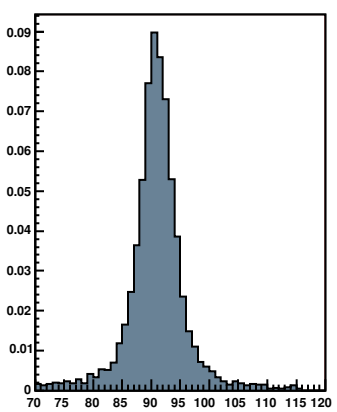

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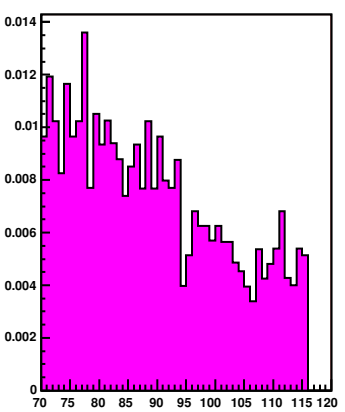
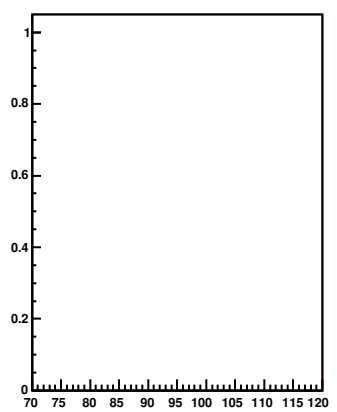
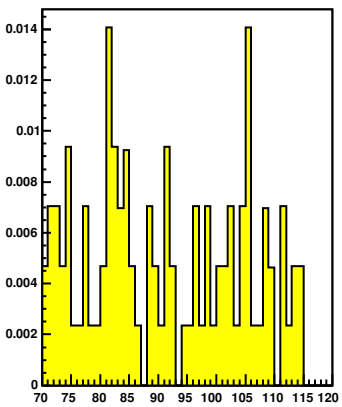


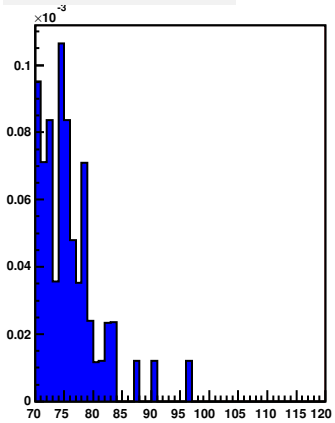
wgamma-CMX_CMIO Mass



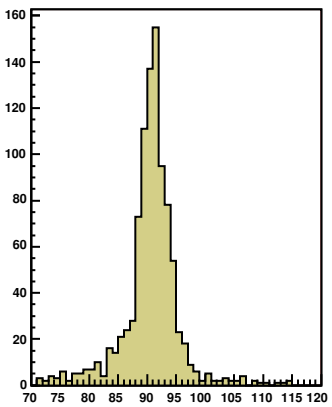
ttbar-CMX_CMIO Mass



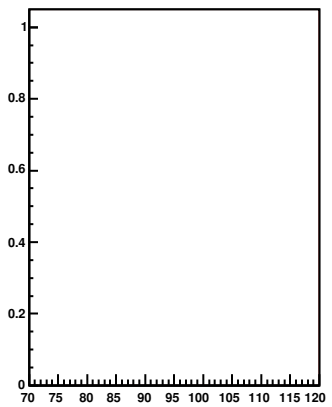
higgsww-CMX_CMIO Mass



data-CMX_CMIO Mass



Zee-CMUP_BMU Mass



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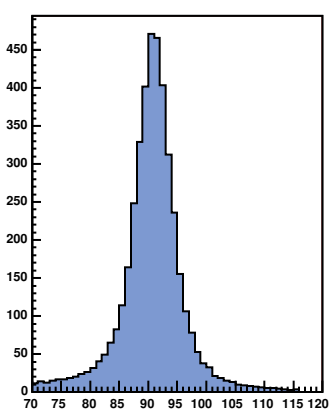

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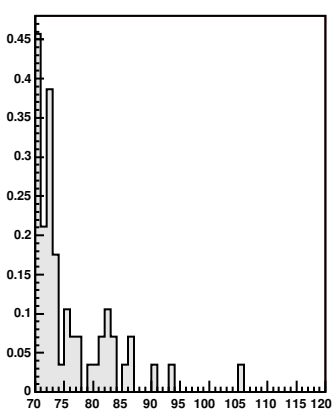
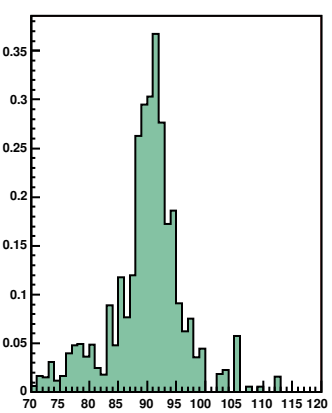
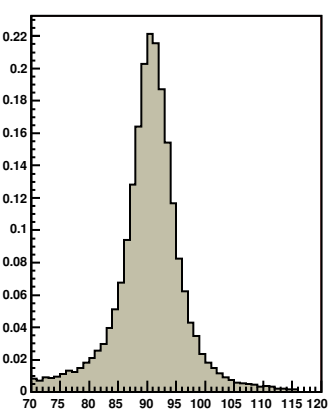


fake-CMUP_BMU Mass



WZ-CMUP_BMU Mass



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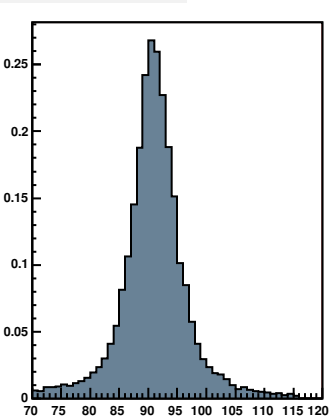

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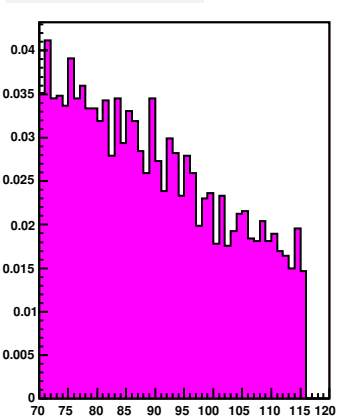

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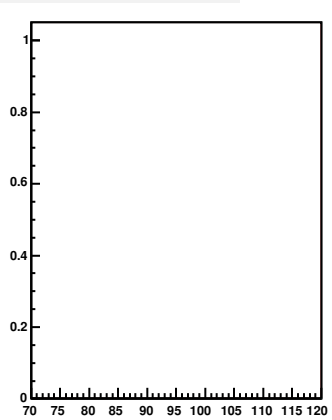

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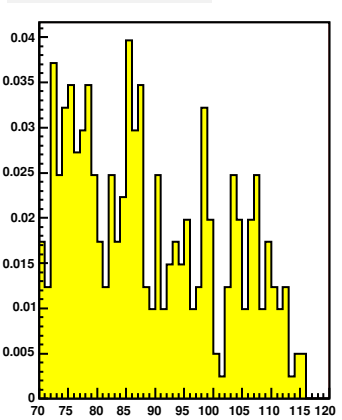
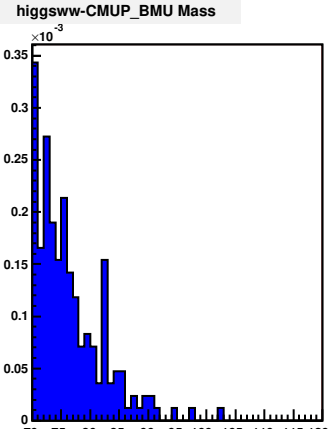
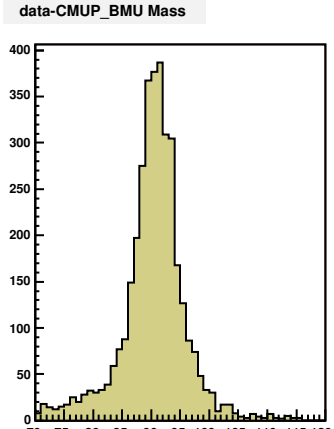


higgsww-CMUP_BMU Mass



data-CMUP_BMU Mass



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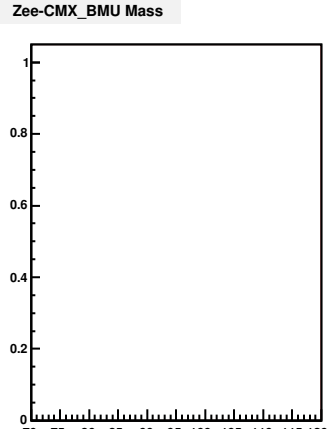

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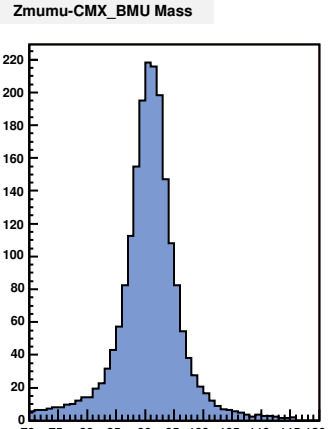
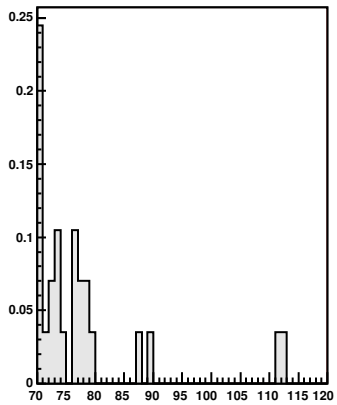


Ztautau-CMX_BMU Mass



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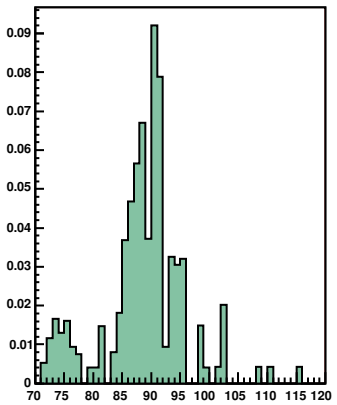

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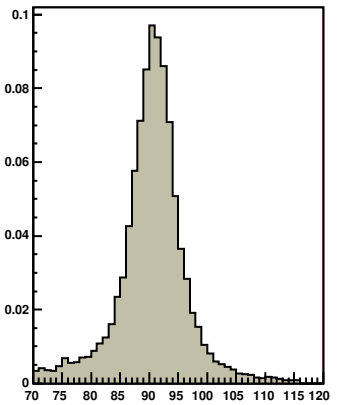

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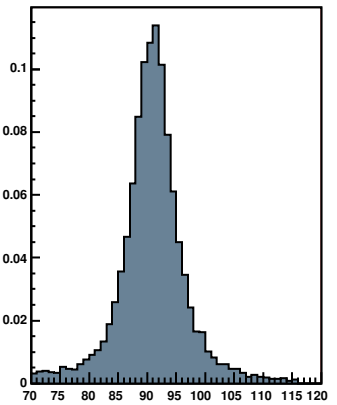

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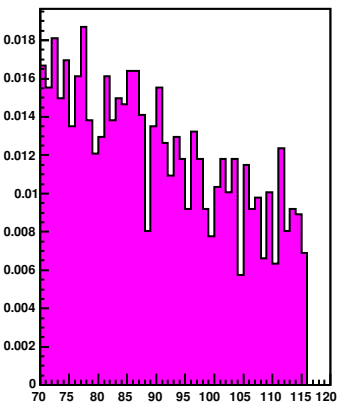

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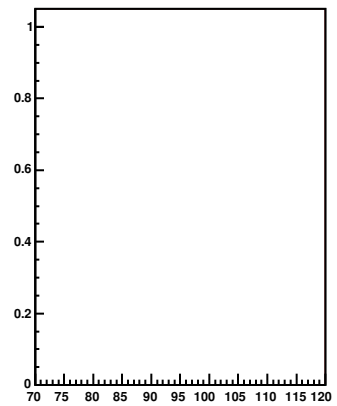

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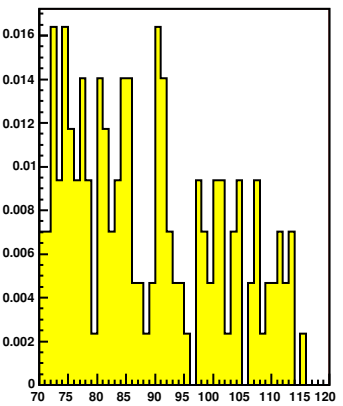

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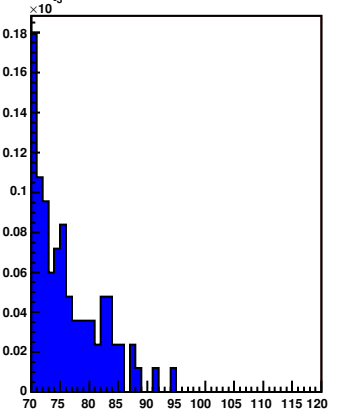

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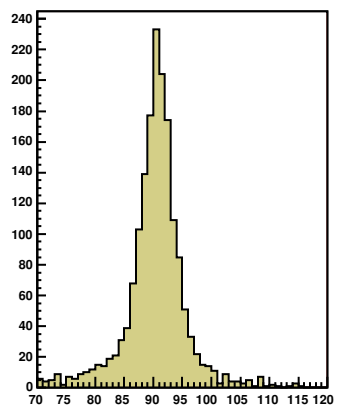

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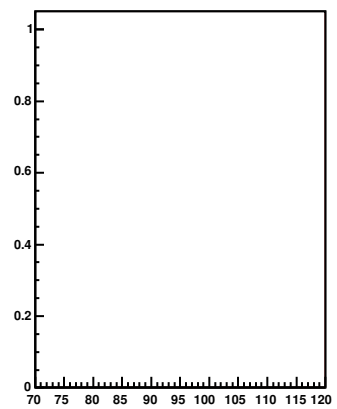
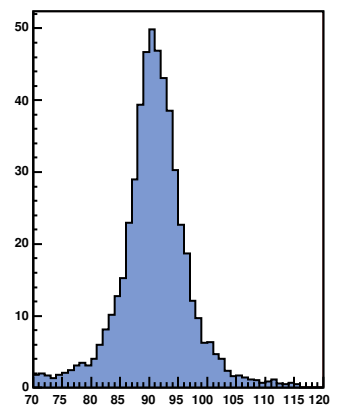


Zmumu-BMU_BMU Mass



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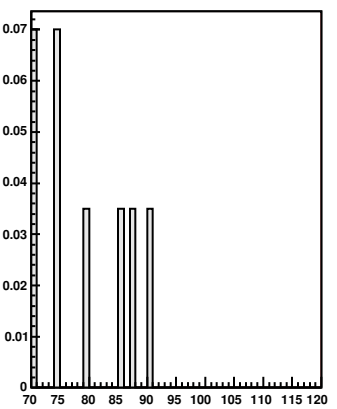
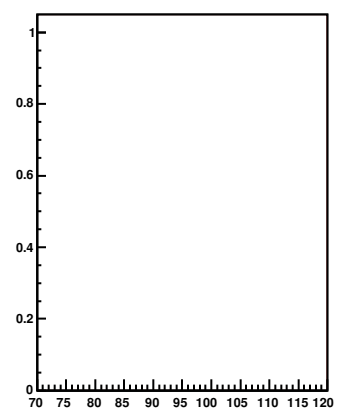
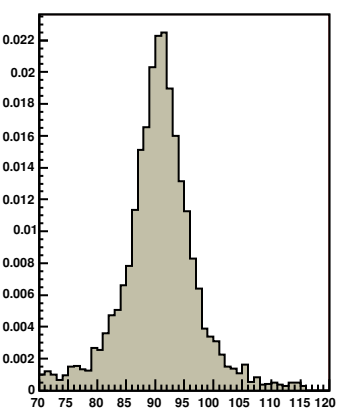


fake-BMU_BMU Mass



WZ-BMU_BMU Mass



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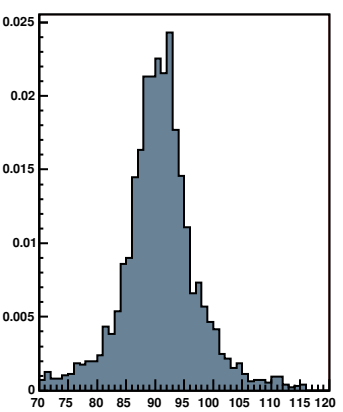

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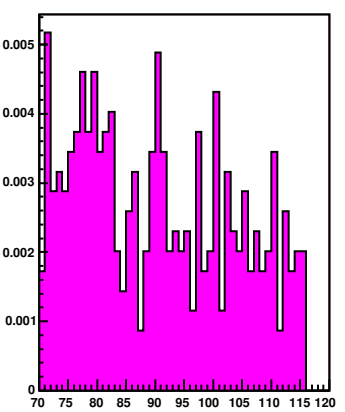
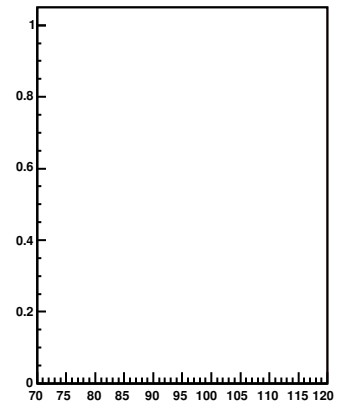
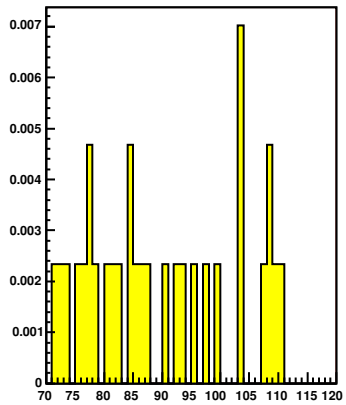


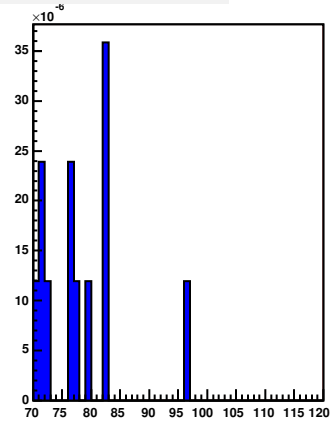
wgamma-BMU_BMU Mass



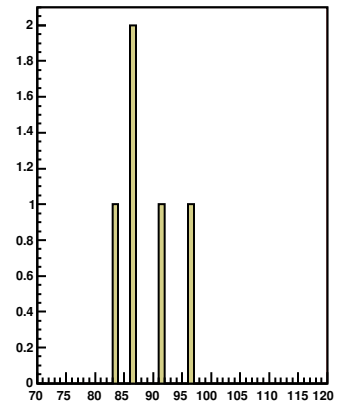
ttbar-BMU_BMU Mass



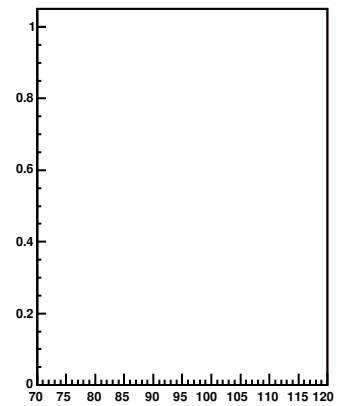
higgsww-BMU_BMU Mass



data-BMU_BMU Mass



Zee-CMP_BMU Mass



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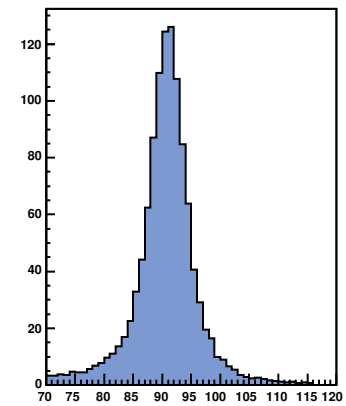
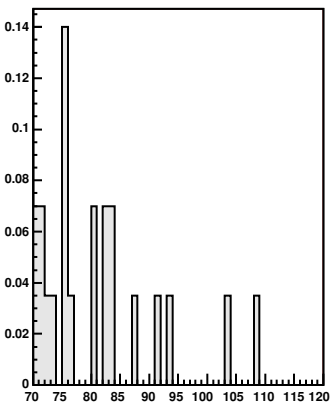
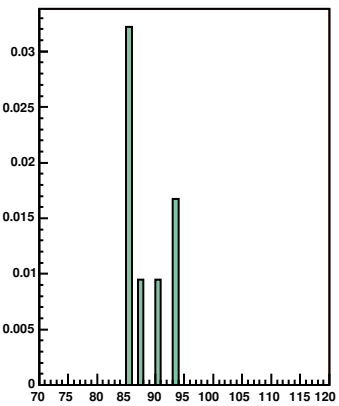


Ztautau-CMP_BMU Mass



fake-CMP_BMU Mass



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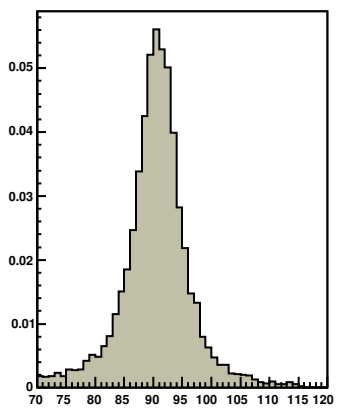

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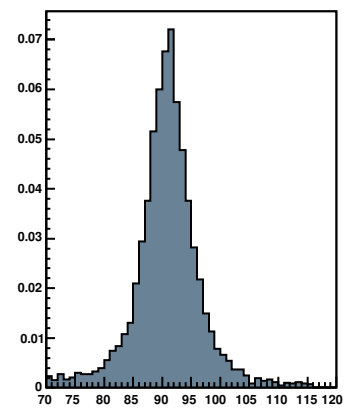

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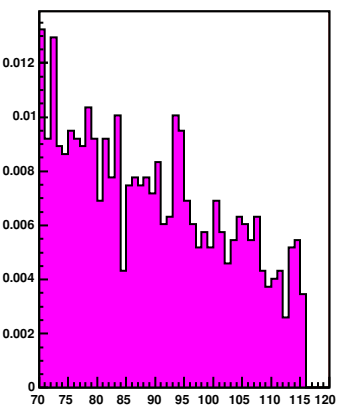
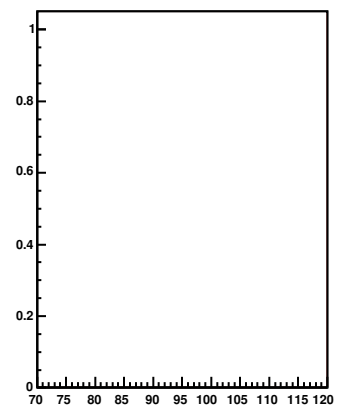
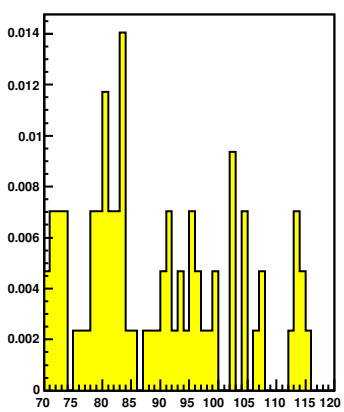


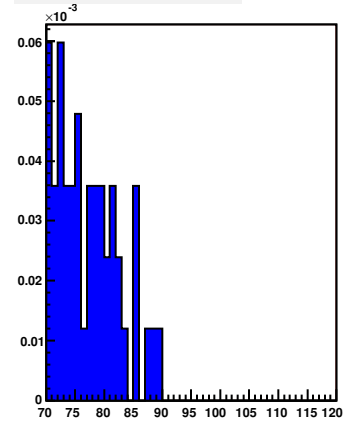
wgamma-CMP_BMU Mass



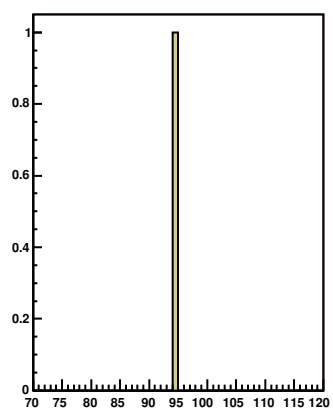
ttbar-CMP_BMU Mass



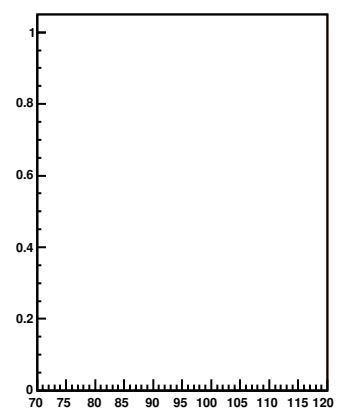
higgsww-CMP_BMU Mass



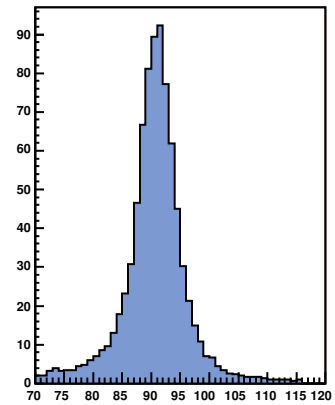
data-CMP_BMU Mass



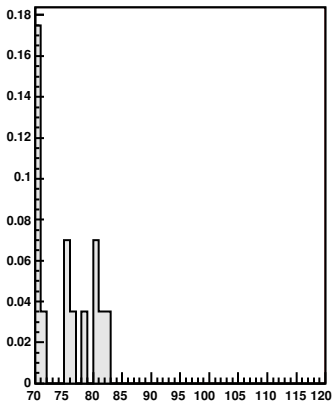
Zee-CMIO_BMU Mass



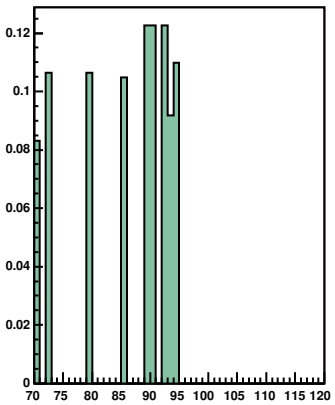
Zmumu-CMIO_BMU Mass



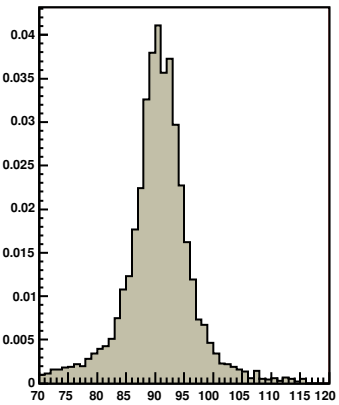
Ztautau-CMIO_BMU Mass



fake-CMIO_BMU Mass



WZ-CMIO_BMU Mass



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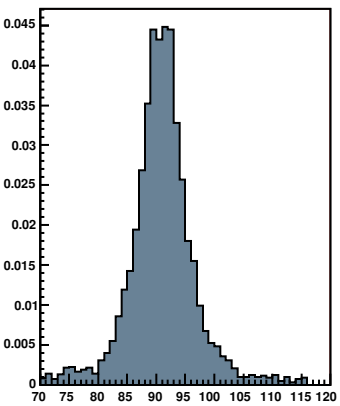
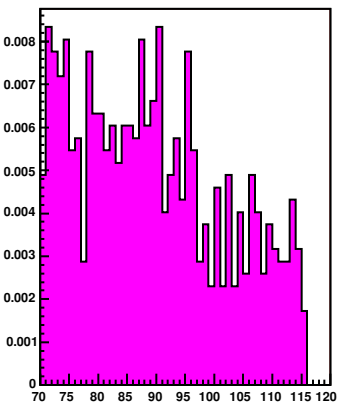
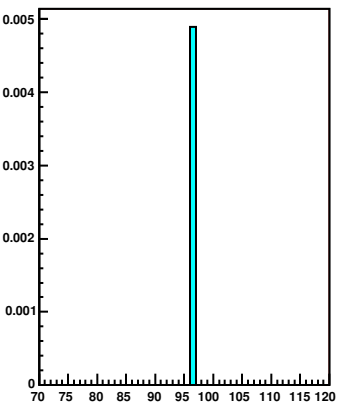


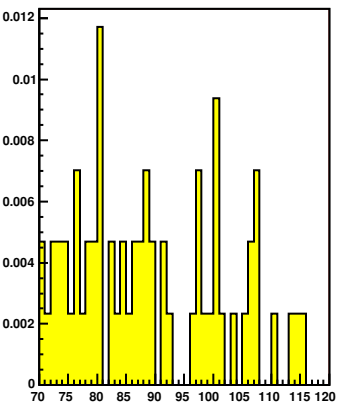
WW-CMIO_BMU Mass



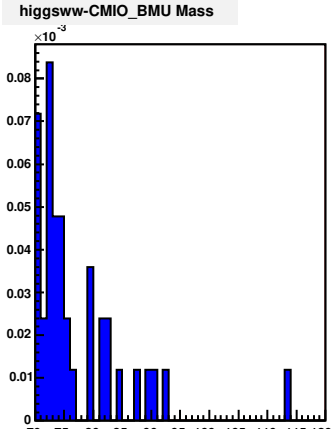
wgamma-CMIO_BMU Mass



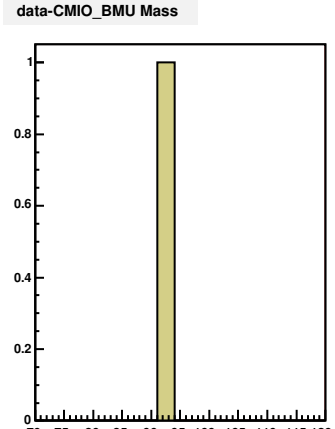
ttbar-CMIO_BMU Mass



higgsww-CMIO_BMU Mass



data-CMIO_BMU Mass



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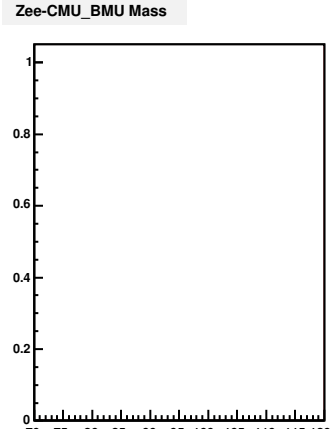

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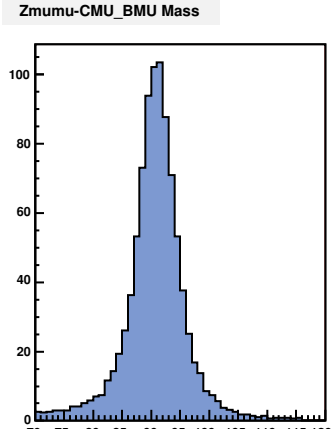

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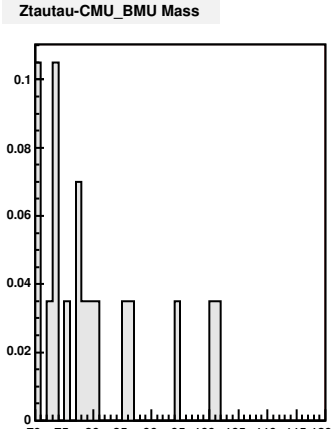
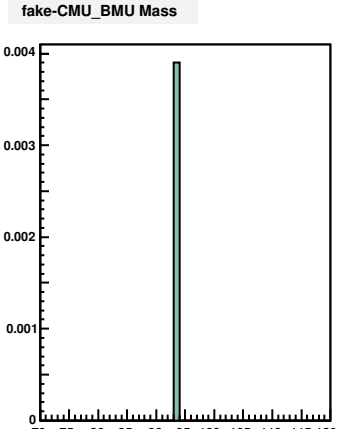
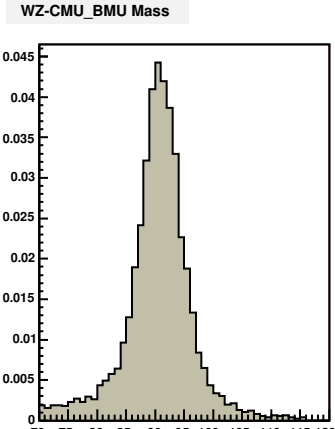


fake-CMU_BMU Mass



WZ-CMU_BMU Mass



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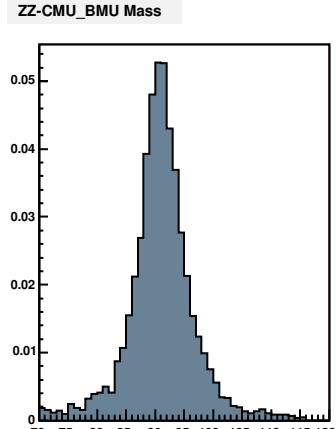

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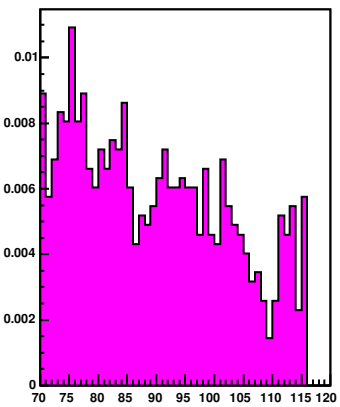

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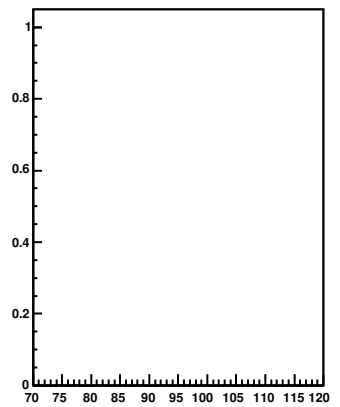
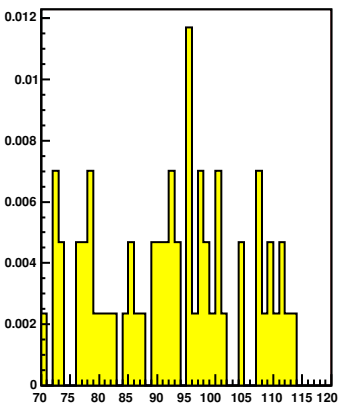
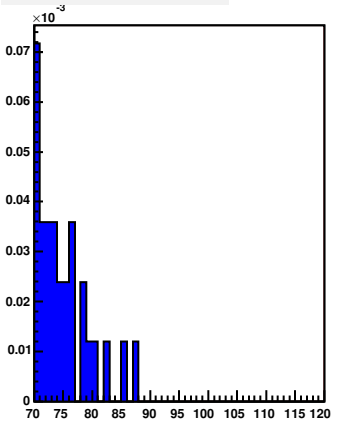


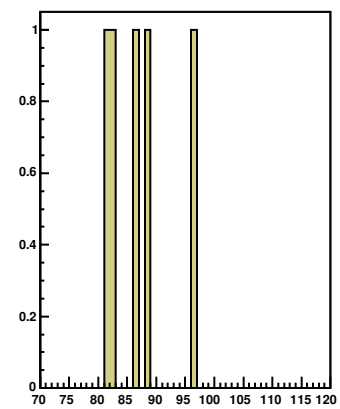
ttbar-CMU_BMU Mass



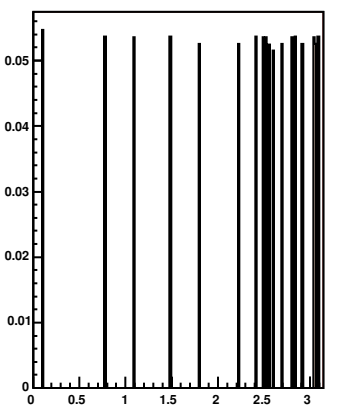
higgsww-CMU_BMU Mass



data-CMU_BMU Mass



Zee-TCE_TCE dilDphilike



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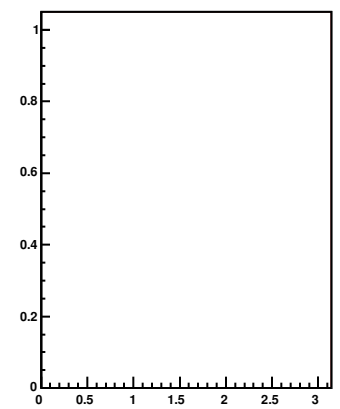

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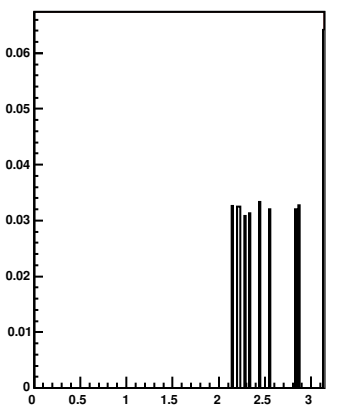

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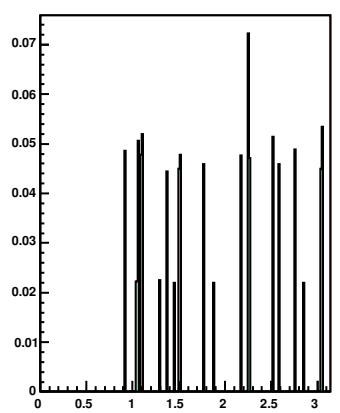

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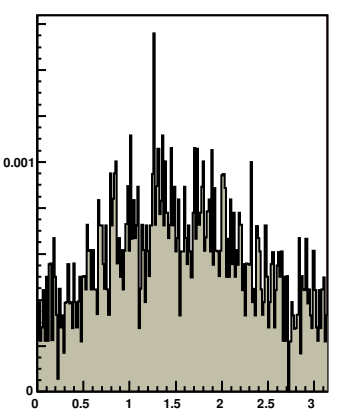

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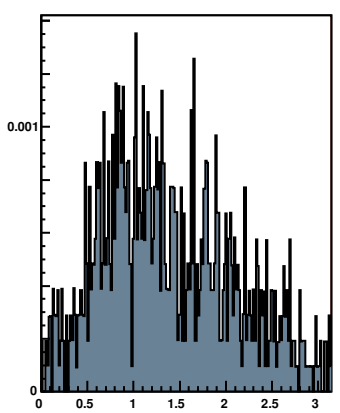

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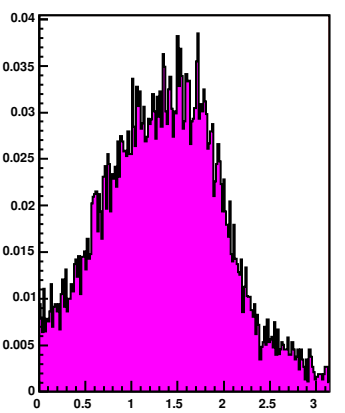

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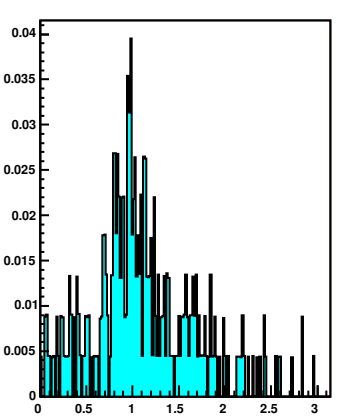
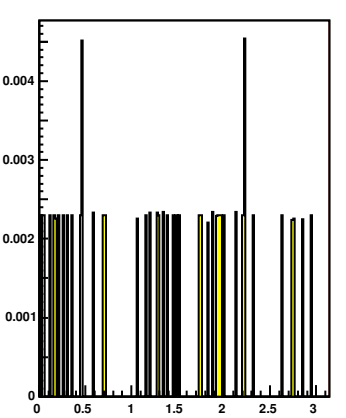
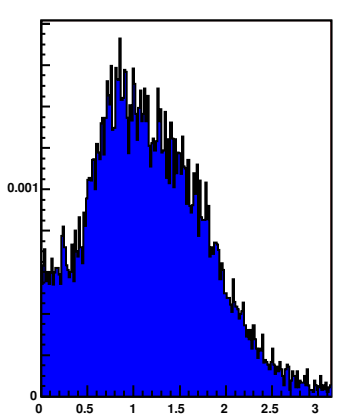


ttbar-TCE_TCE dilDphilike



higgsww-TCE_TCE dilDphilike



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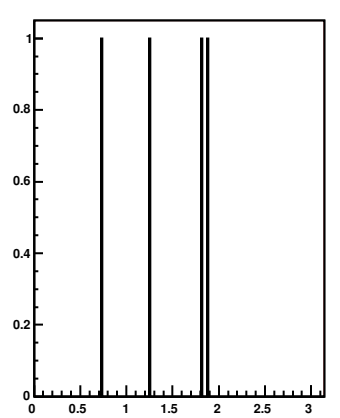

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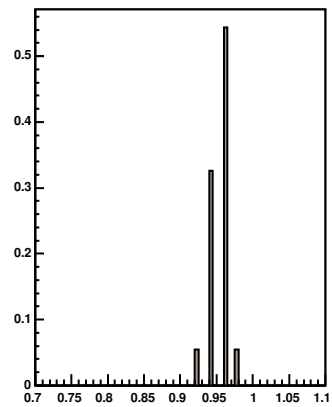

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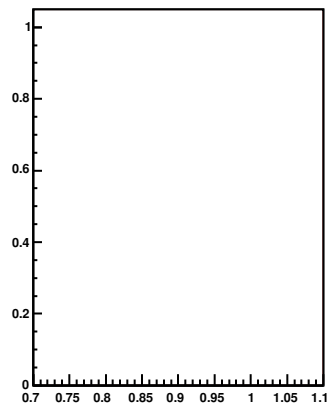

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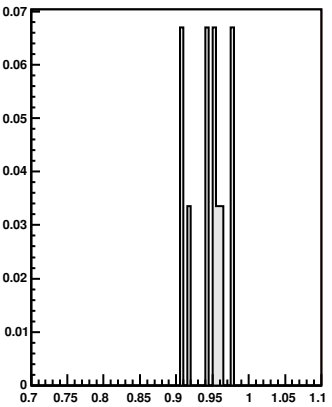
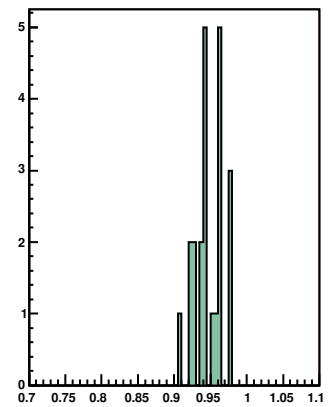


fake-TCE_TCE rawweight



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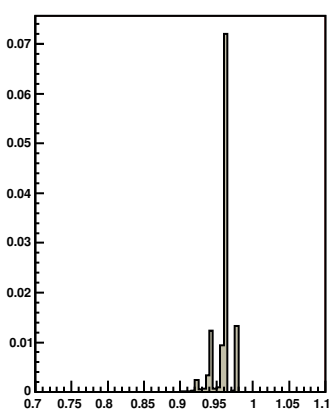

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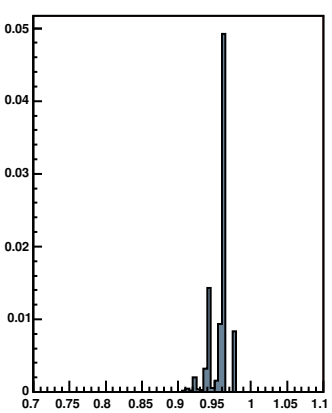

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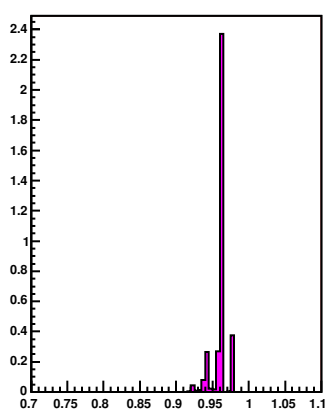

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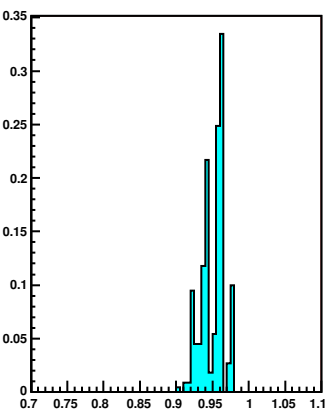

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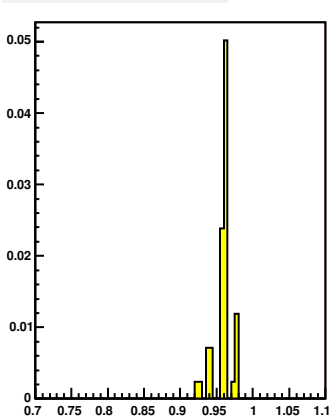
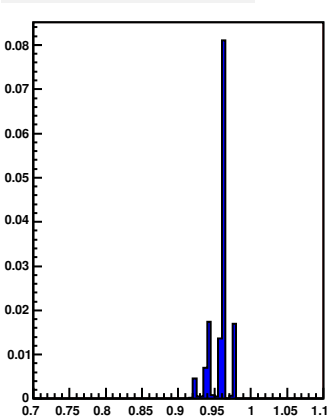


higgsww-TCE_TCE rawweight



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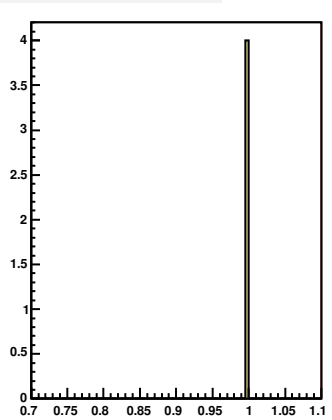
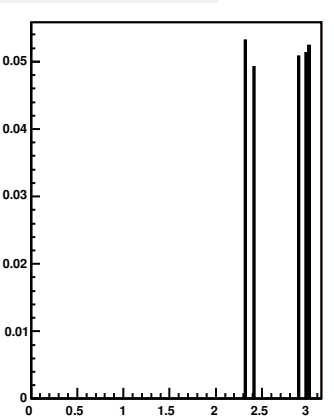


Zee-TCE_PHX dilDphilike



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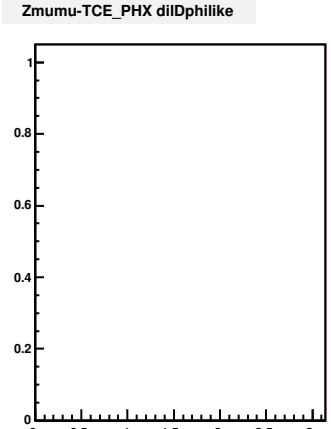

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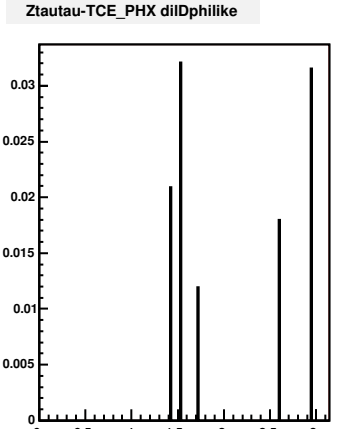
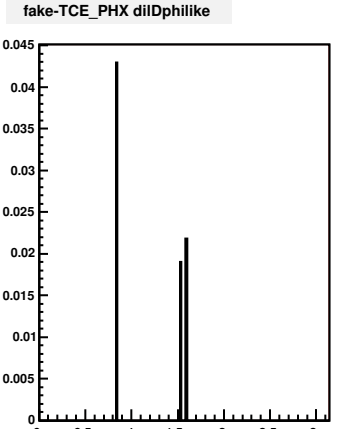


fake-TCE_PHX dilDphilike



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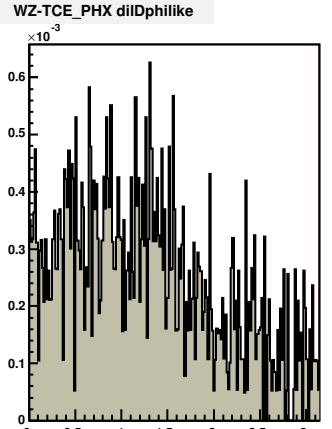

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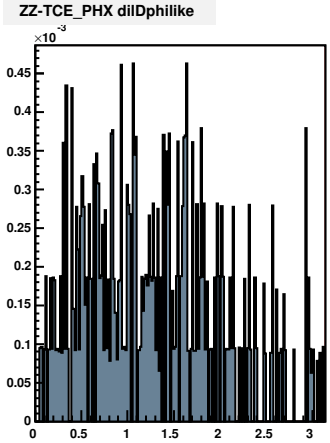

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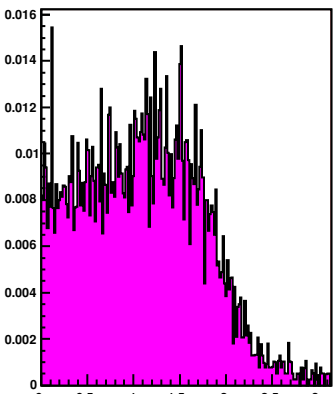
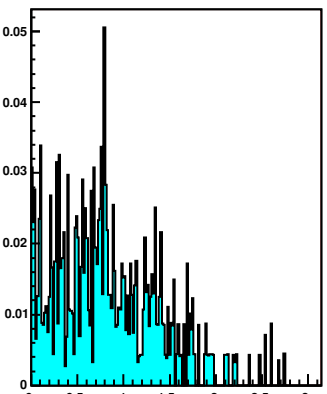
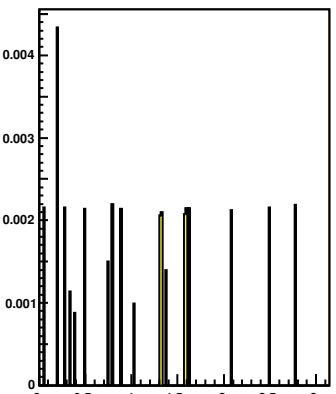


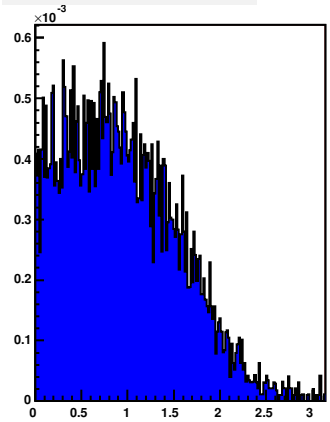
wgamma-TCE_PHX dilDphilike



ttbar-TCE_PHX dilDphilike



higgsww-TCE_PHX dilDphilike



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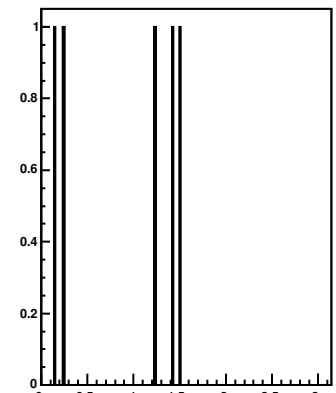
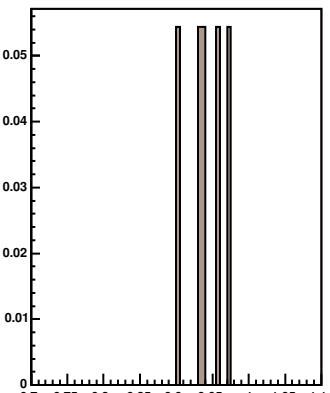


Zee-TCE_PHX rawweight



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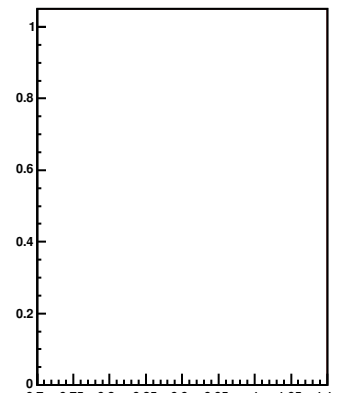

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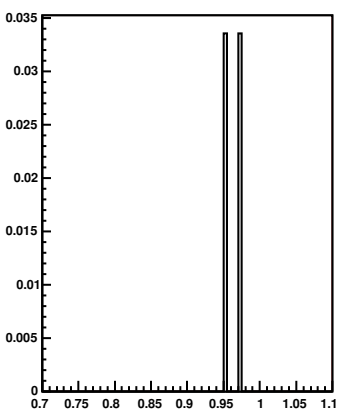
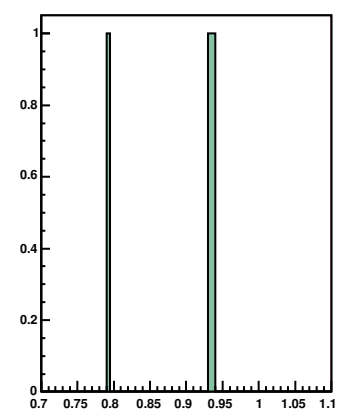


fake-TCE_PHX rawweight



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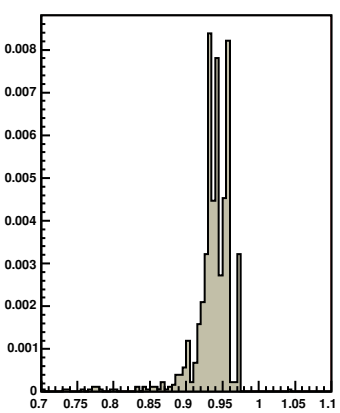

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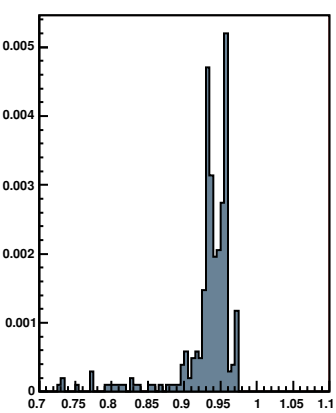

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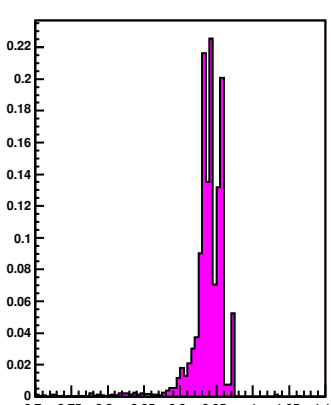

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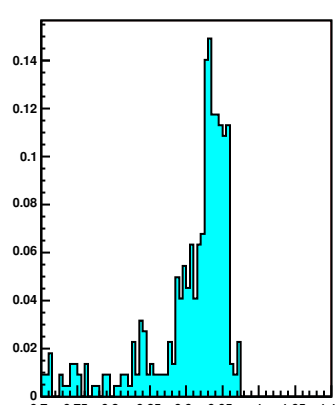

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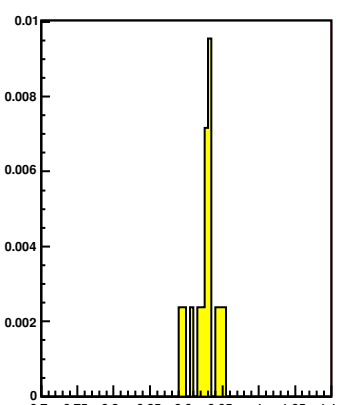
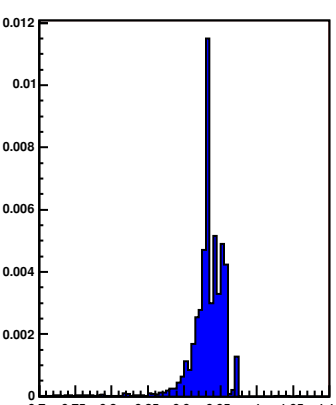
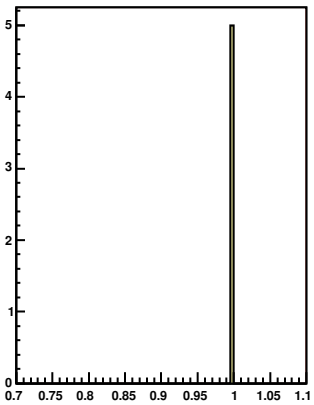


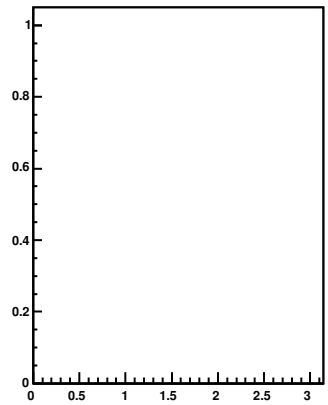
higgsww-TCE_PHX rawweight



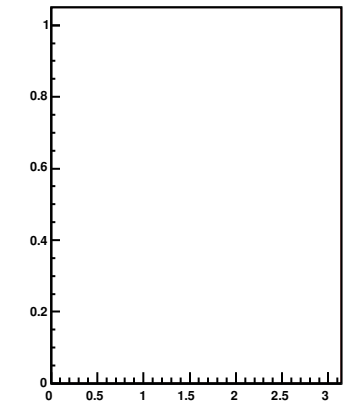
data-TCE_PHX rawweight



Zee-TCE_PEM dilDphilike



Zmumu-TCE_PEM dilDphilike



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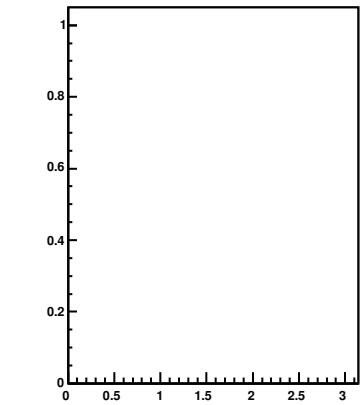
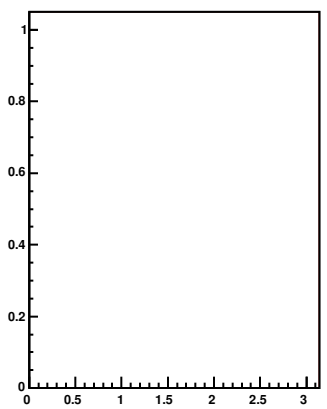
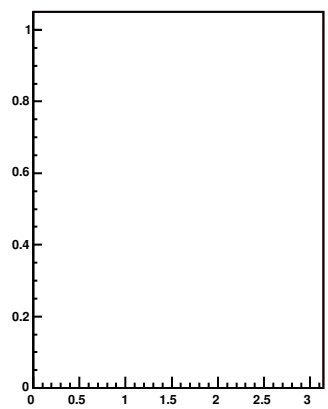


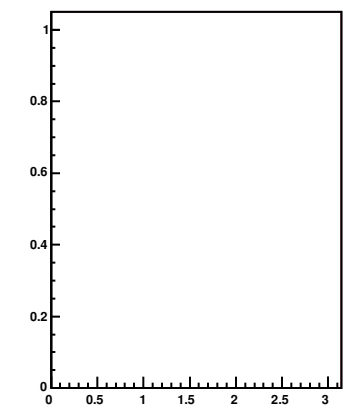
fake-TCE_PEM dilDphilike



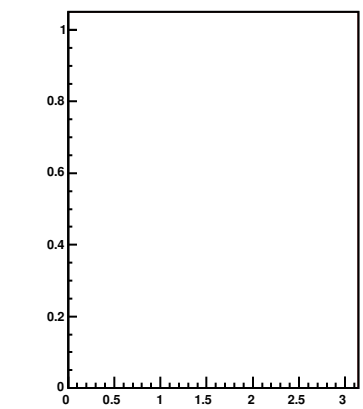
WZ-TCE_PEM dilDphilike



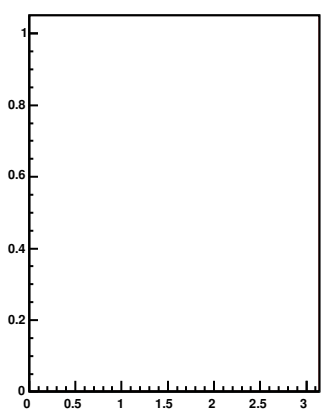
ZZ-TCE_PEM dilDphilike



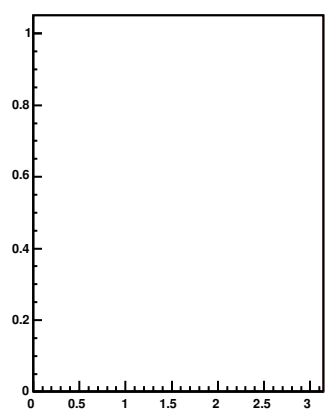
WW-TCE_PEM dilDphilike



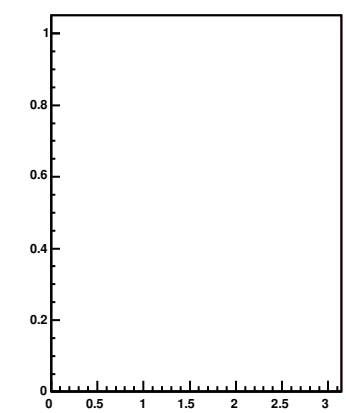
wgamma-TCE_PEM dilDphilike



ttbar-TCE_PEM dilDphilike



higgsww-TCE_PEM dilDphilike



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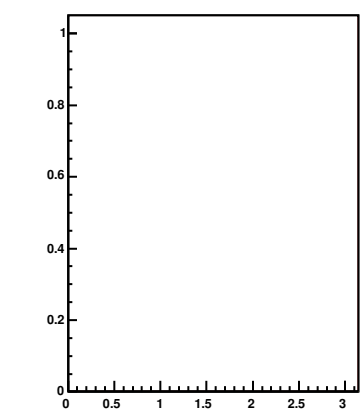

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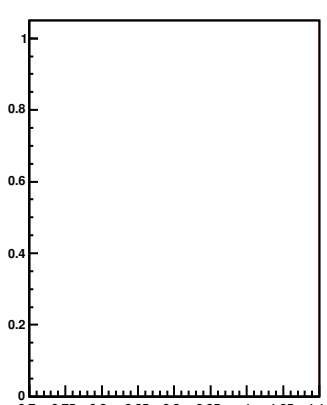

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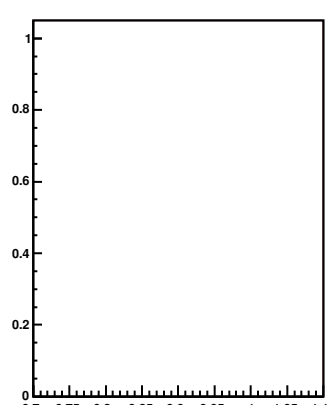

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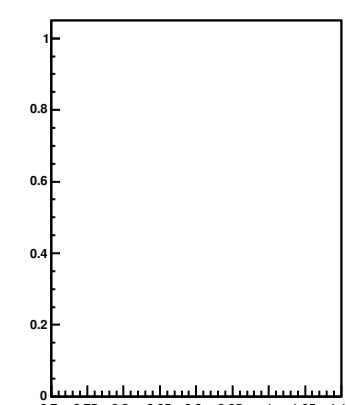

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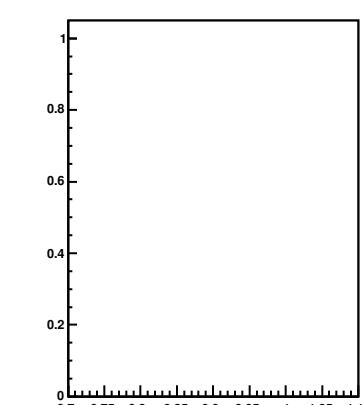

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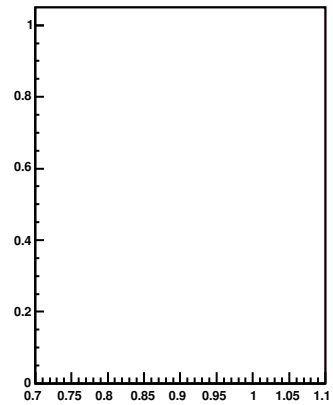

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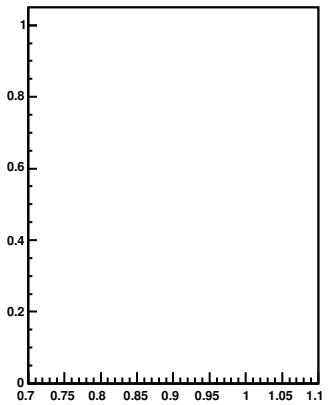

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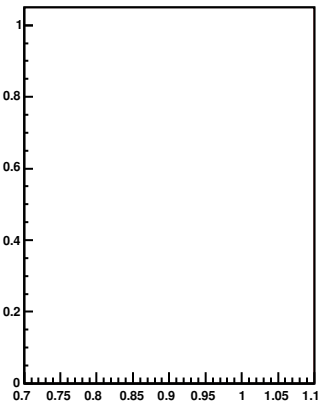

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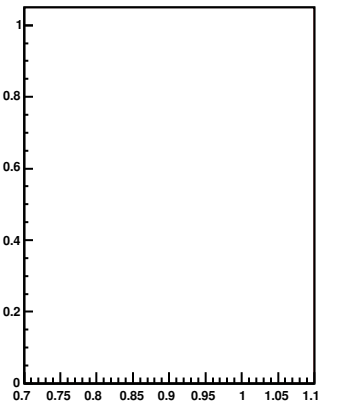

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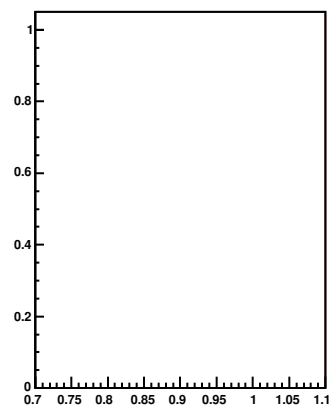

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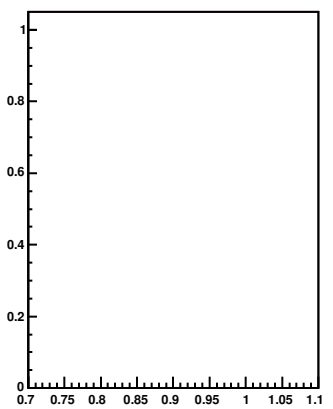

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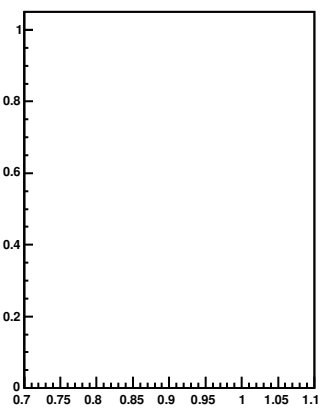

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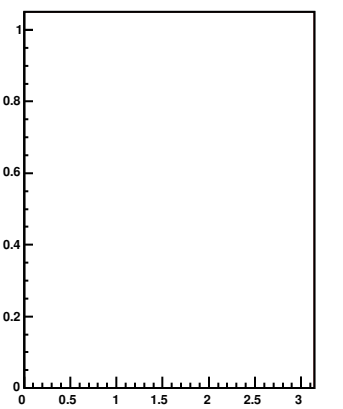

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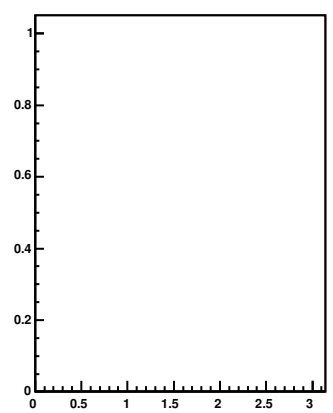

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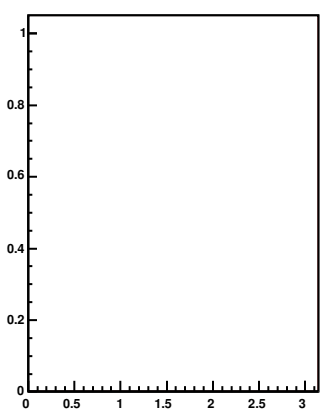

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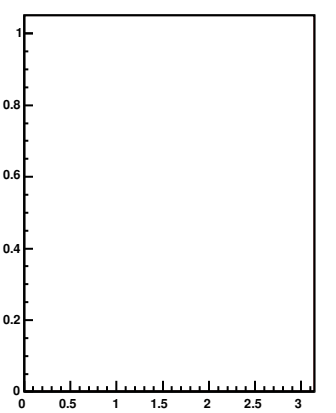

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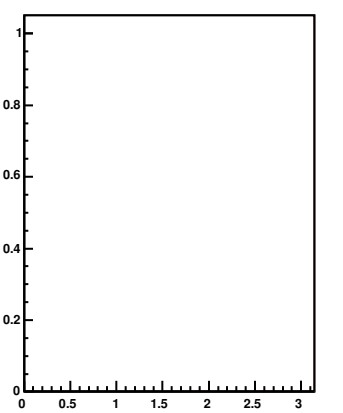

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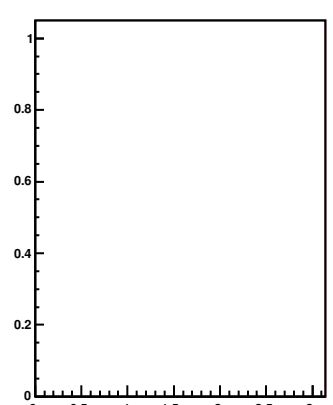

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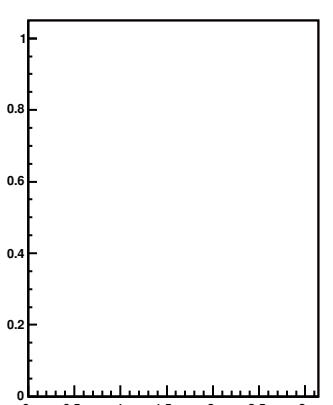

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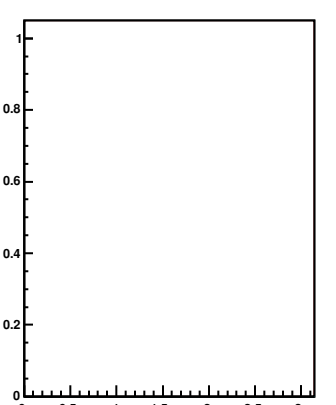

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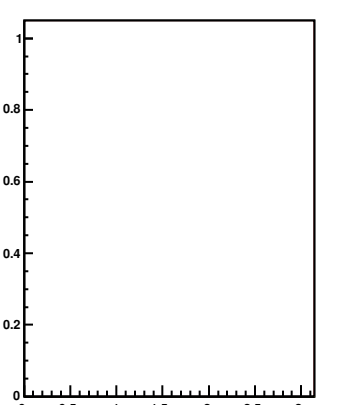

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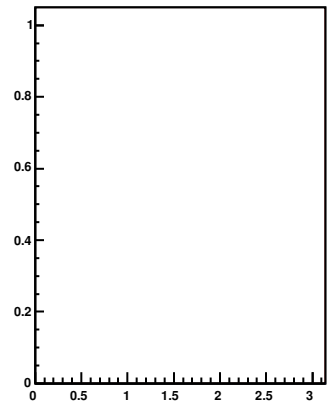

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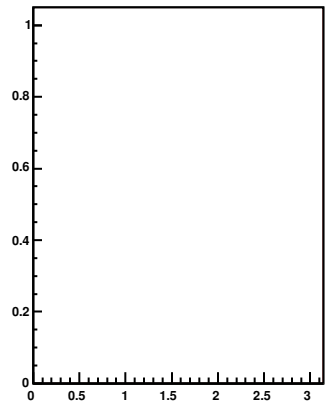

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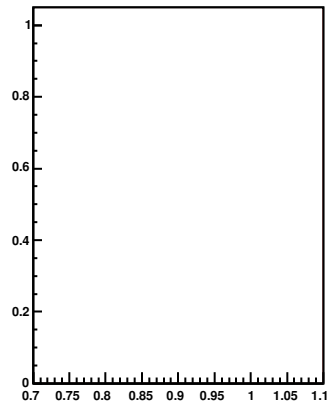

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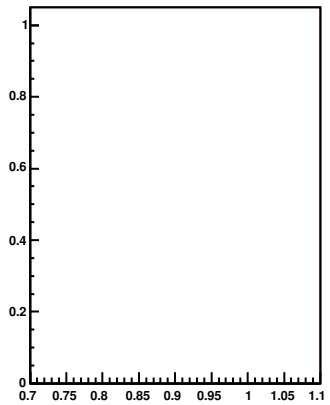

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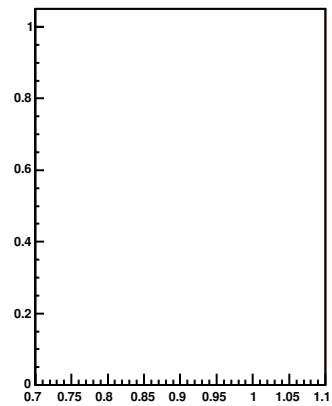

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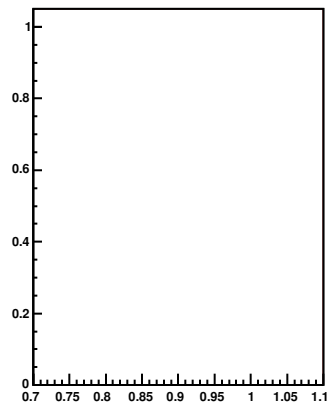

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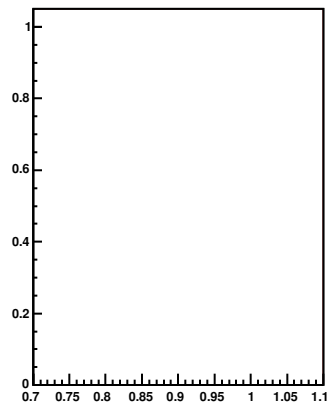

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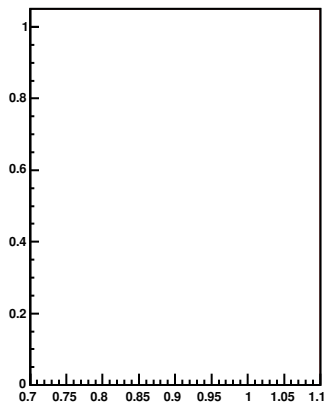

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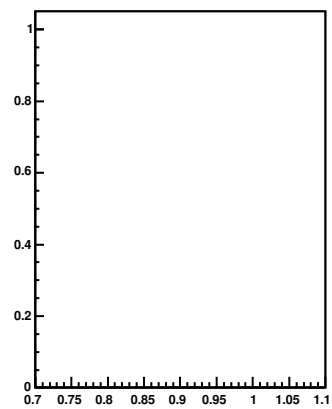

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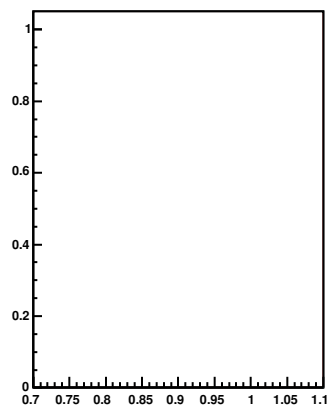

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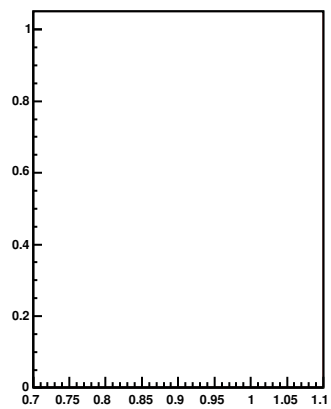

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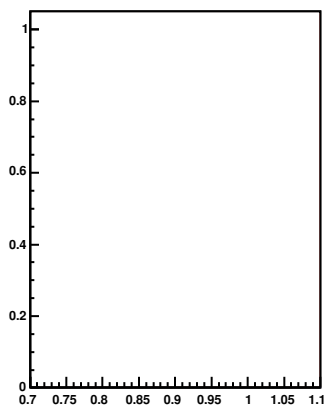

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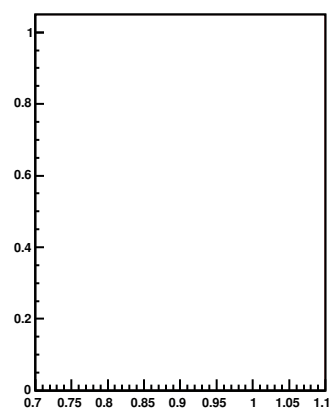

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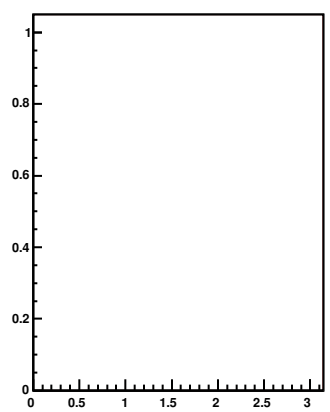

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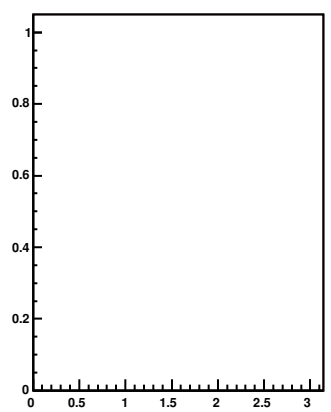

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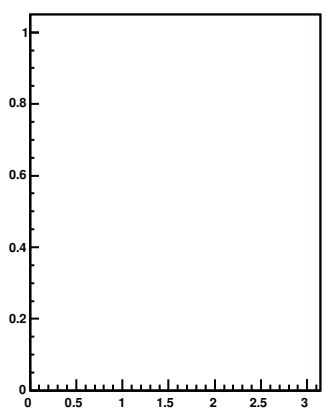

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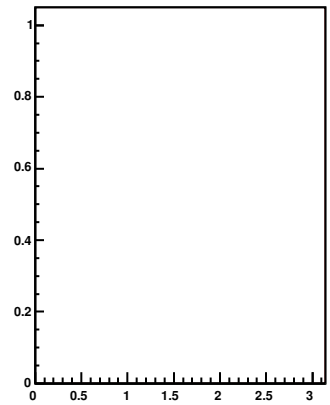

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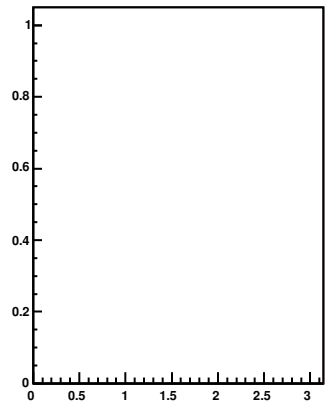

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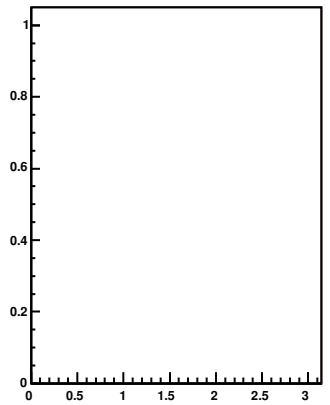

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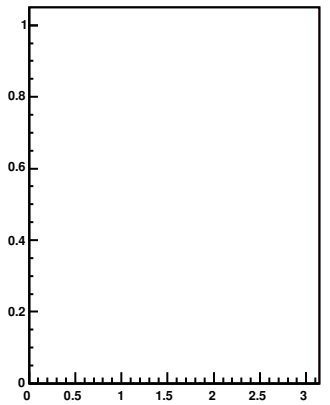

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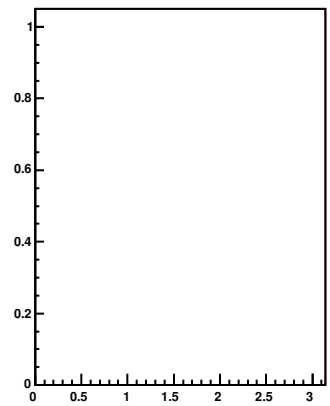

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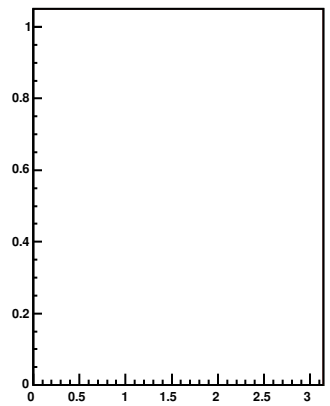

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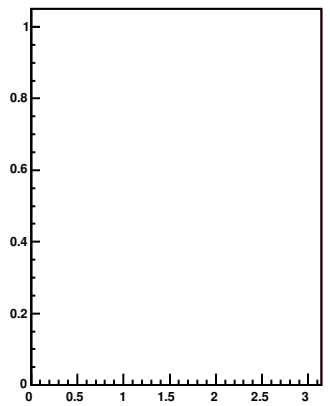

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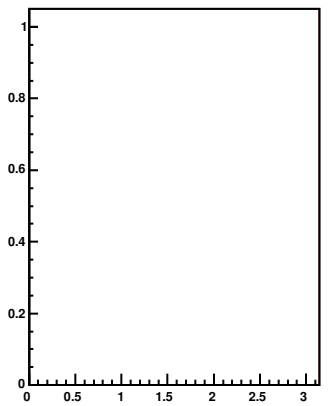

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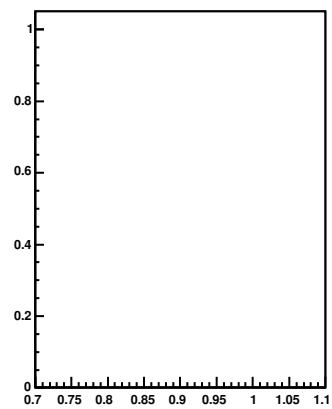

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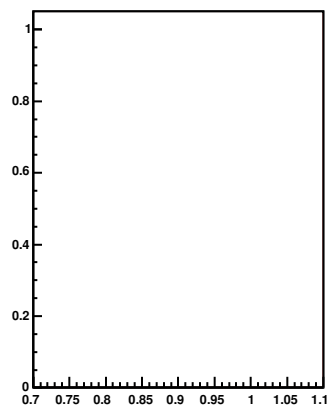

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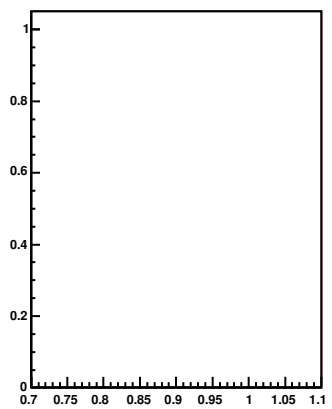

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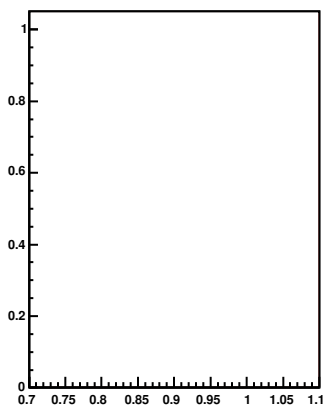

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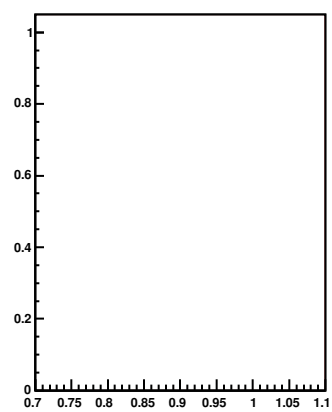

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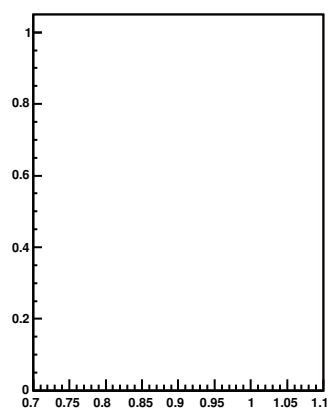

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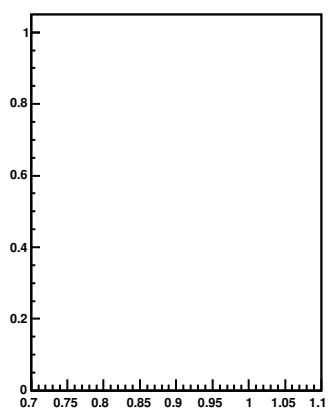

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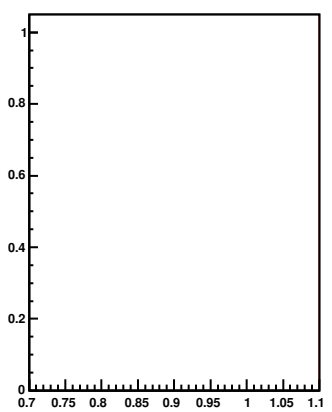

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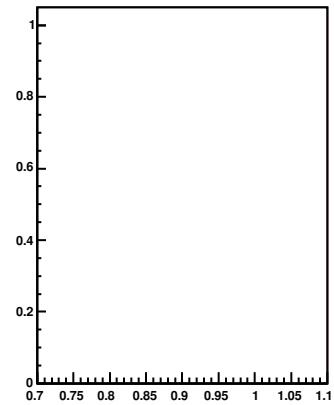

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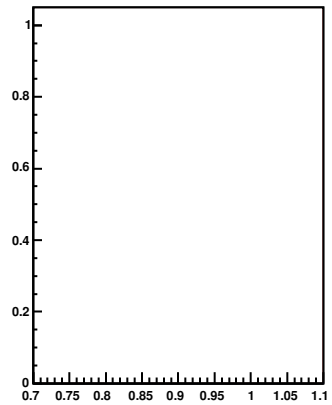

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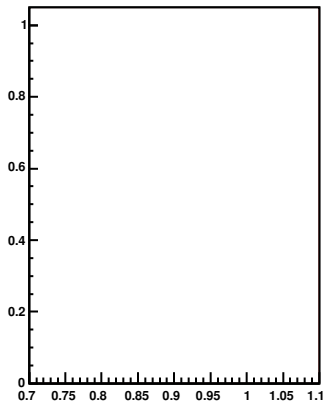
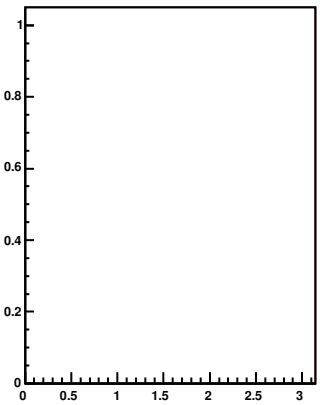


Zee-TCE_CMUP dilDphilike



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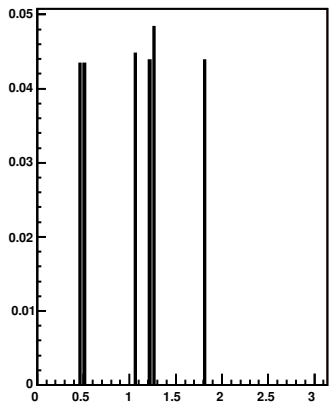

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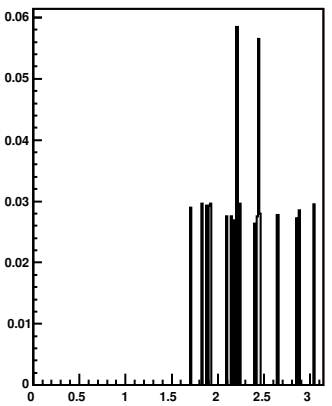

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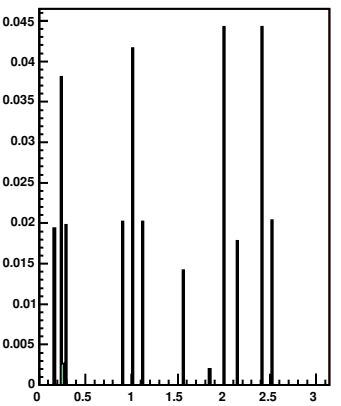
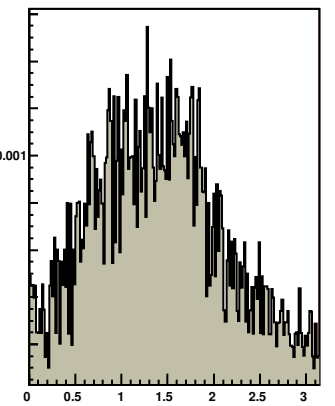


WZ-TCE_CMUP dilDphilike



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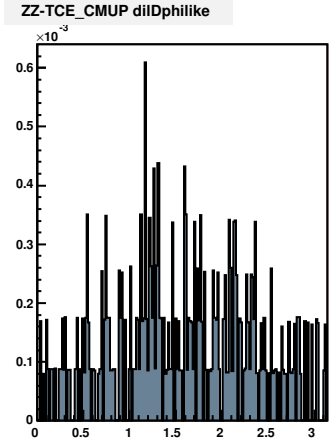

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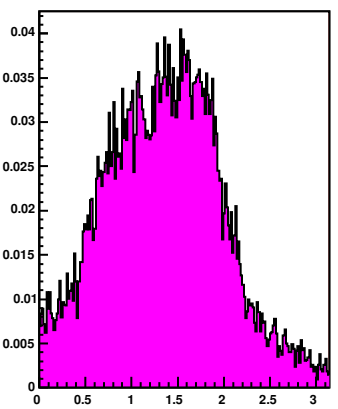

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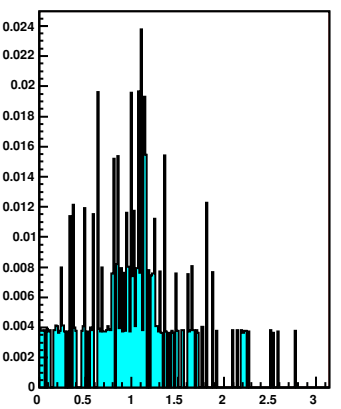

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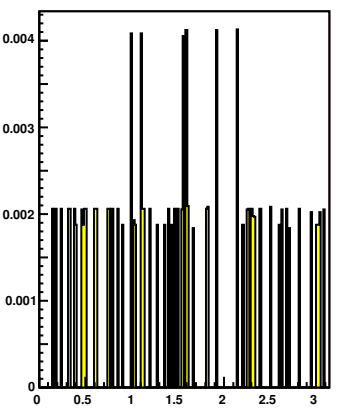
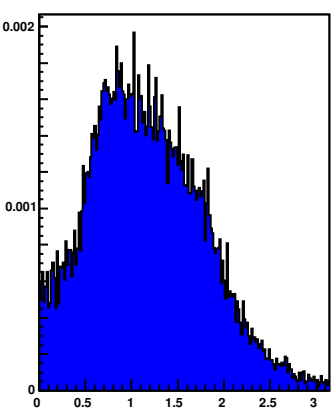


higgsww-TCE_CMUP dilDphilike



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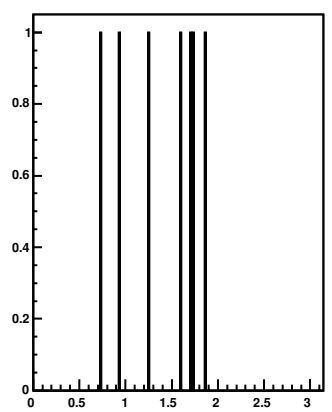

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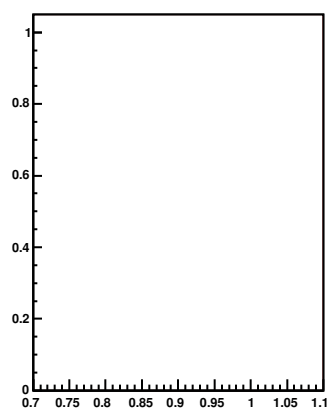
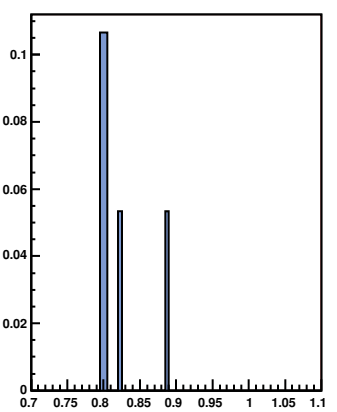


Zmumu-TCE_CMUP rawweight



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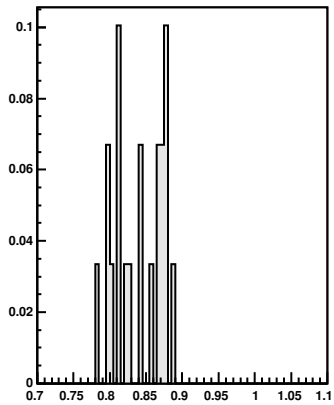

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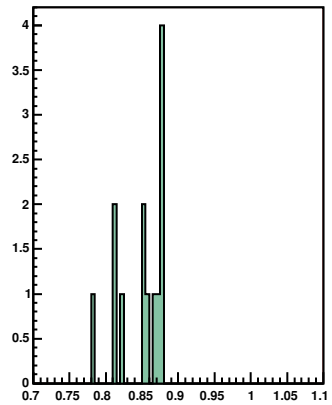

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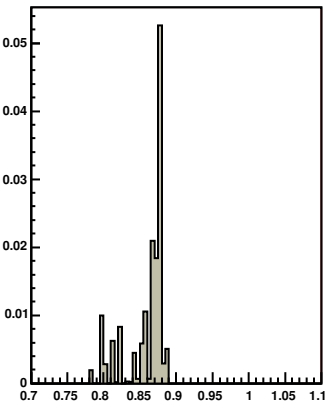

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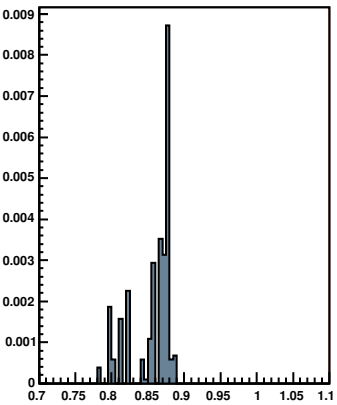

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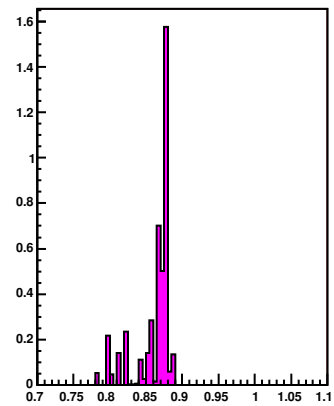

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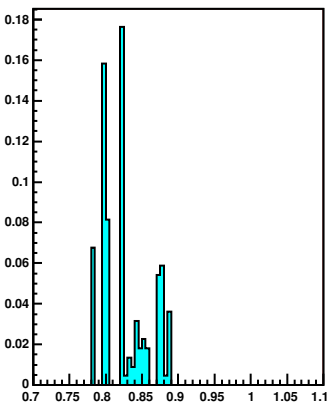
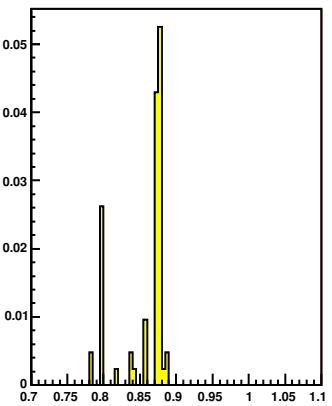
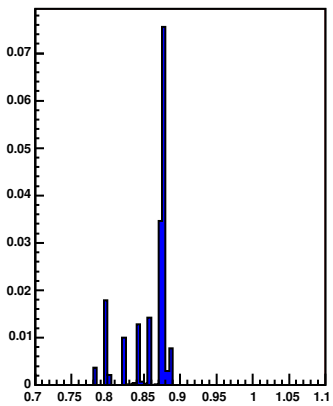


ttbar-TCE_CMUP rawweight



higgsww-TCE_CMUP rawweight



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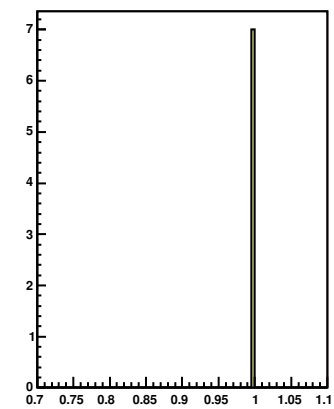
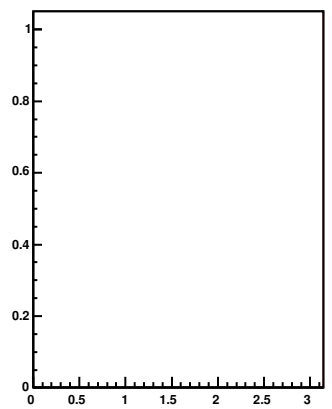


Zee-TCE_CMU dilDphilike



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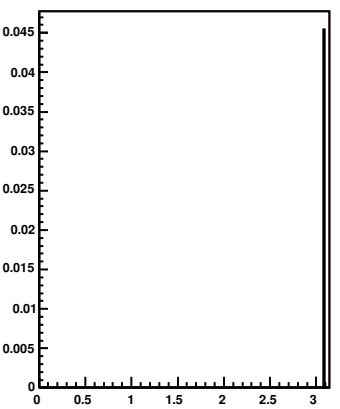

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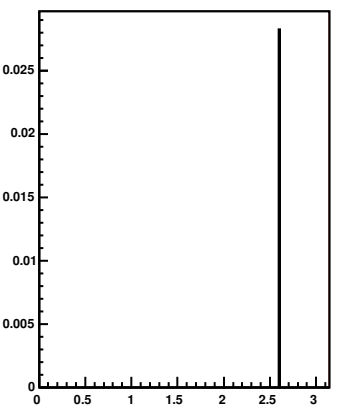

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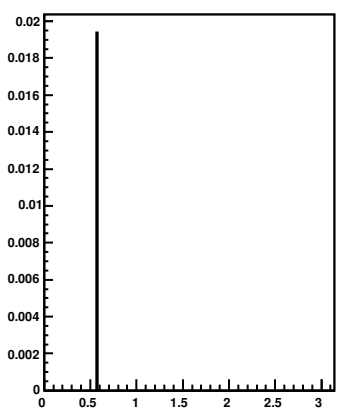
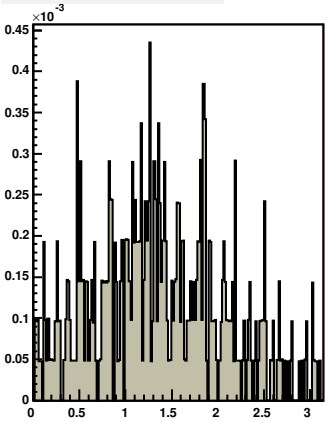
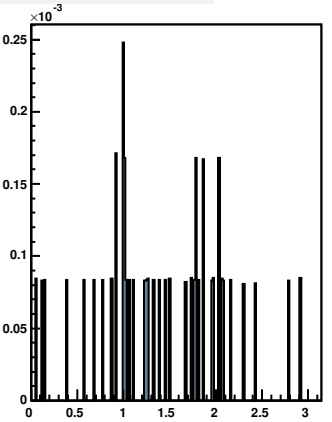


WZ-TCE_CMU dilDphilike



ZZ-TCE_CMU dilDphilike



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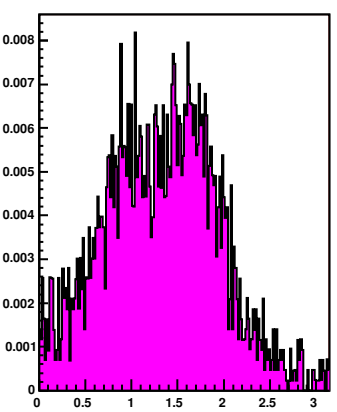
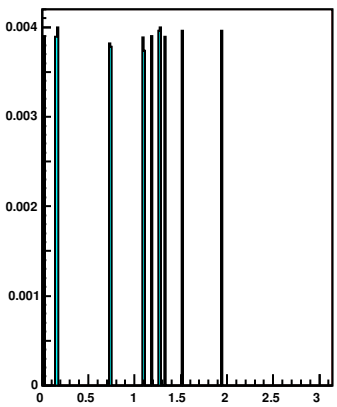
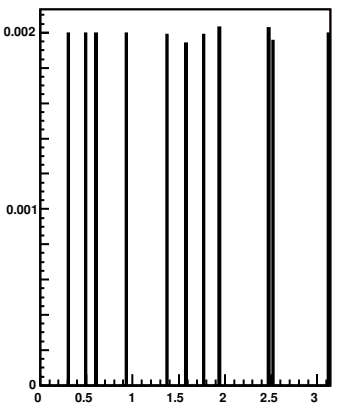


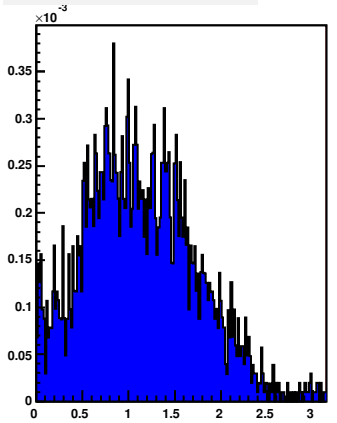
wgamma-TCE_CMU dilDphilike



ttbar-TCE_CMU dilDphilike



higgsww-TCE_CMU dilDphilike



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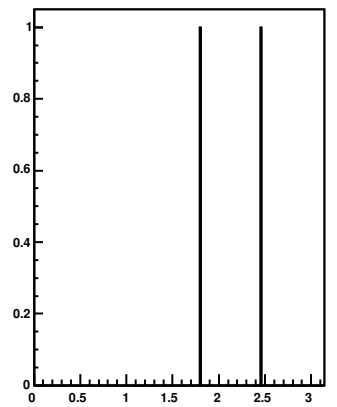

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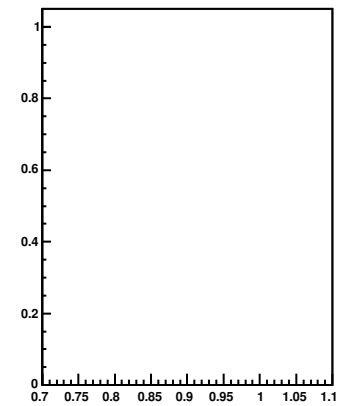

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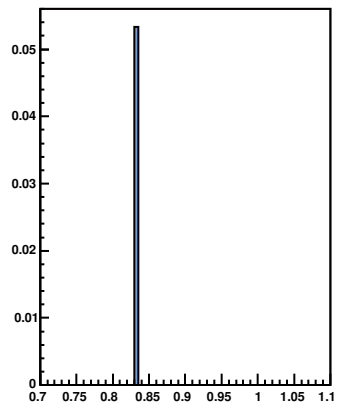

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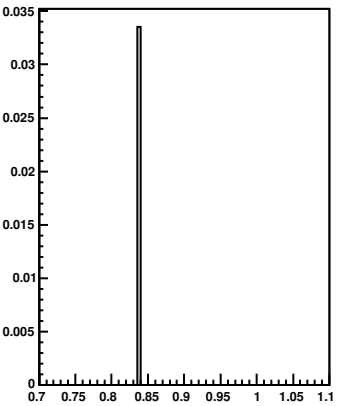
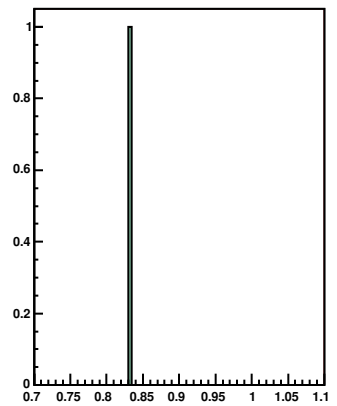


fake-TCE_CMU rawweight



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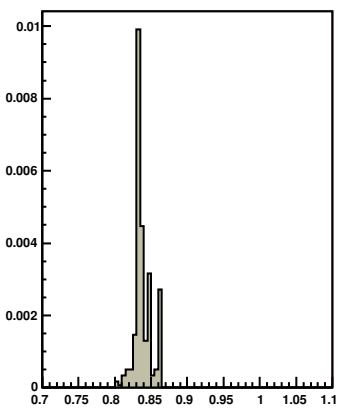

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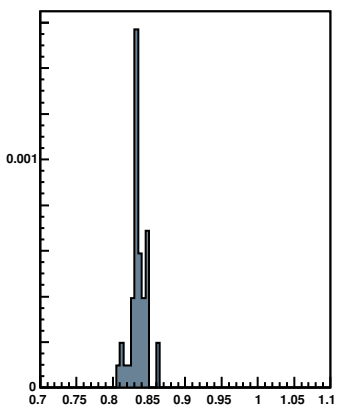

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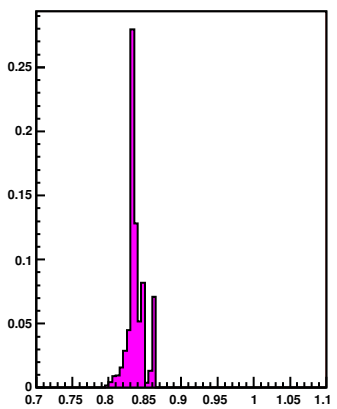

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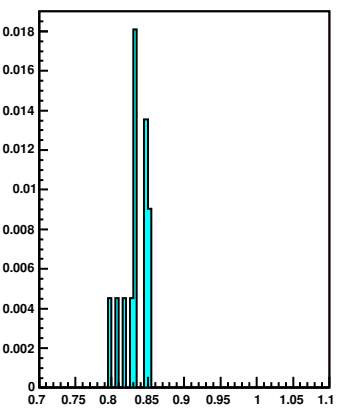

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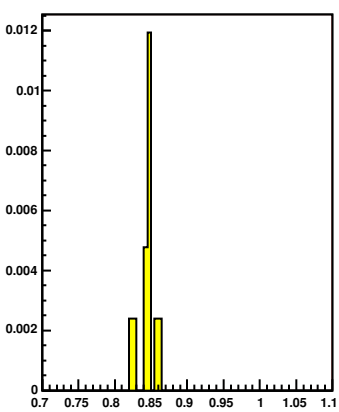

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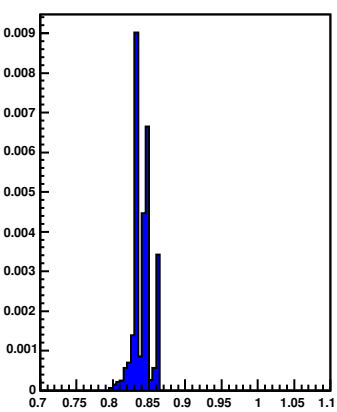

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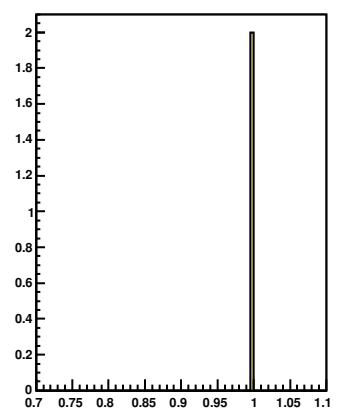
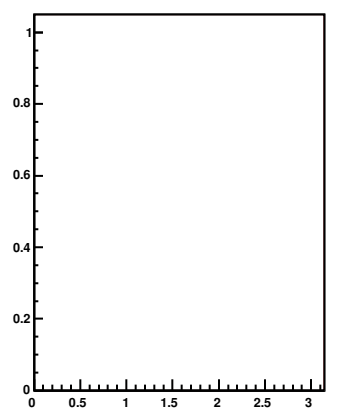
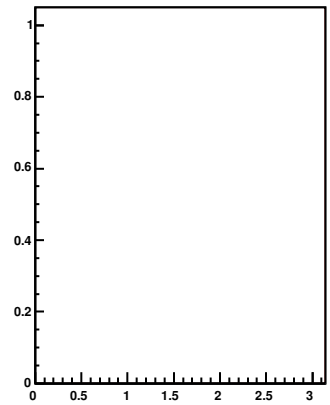


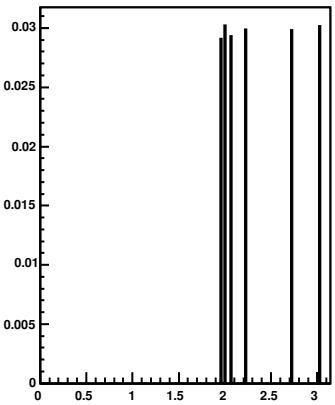
Zee-TCE_CMP dilDphilike



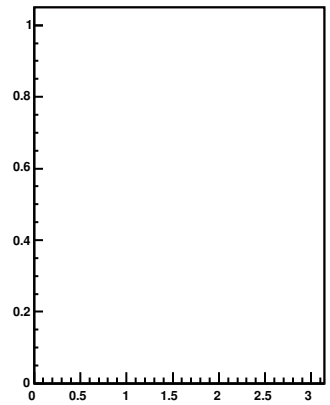
Zmumu-TCE_CMP dilDphilike



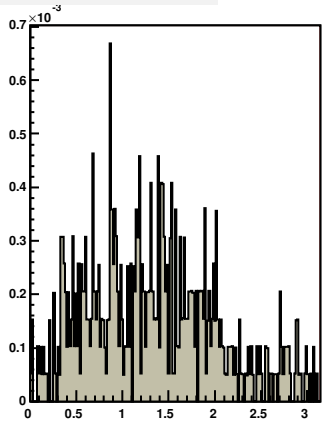
Ztautau-TCE_CMP dilDphilike



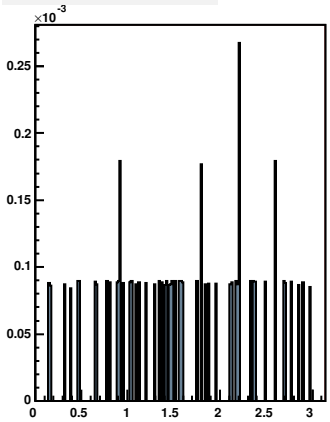
fake-TCE_CMP dilDphilike



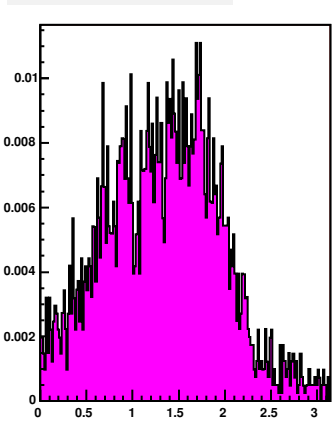
WZ-TCE_CMP dilDphilike



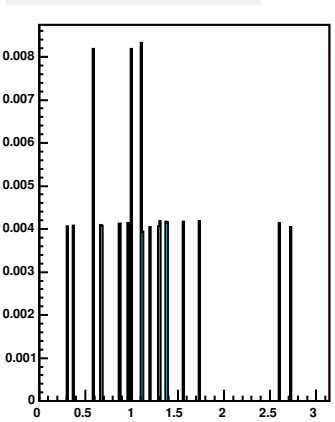
ZZ-TCE_CMP dilDphilike



WW-TCE_CMP dilDphilike



wgamma-TCE_CMP dilDphilike



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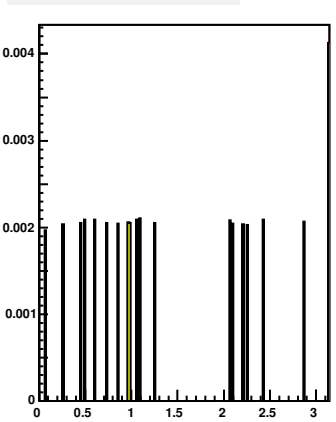
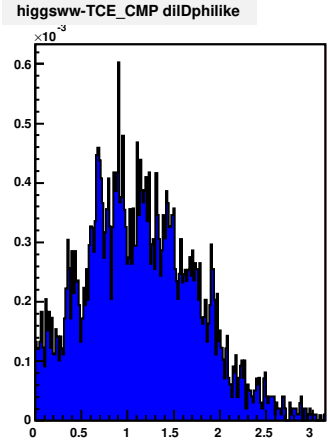


higgsww-TCE_CMP dilDphilike



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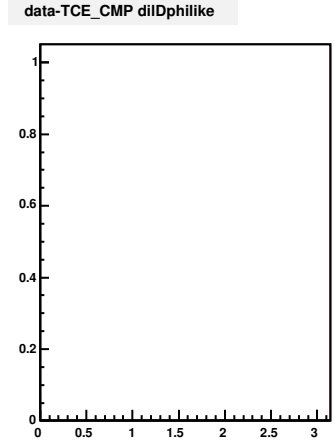

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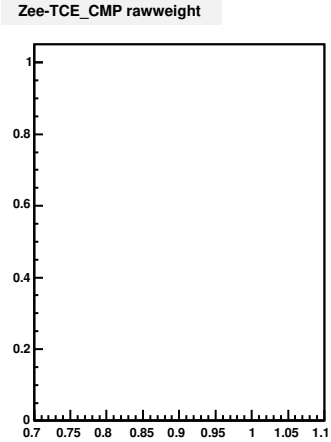

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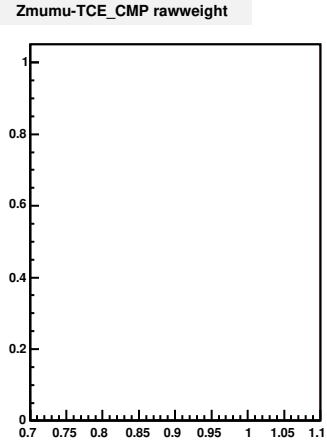

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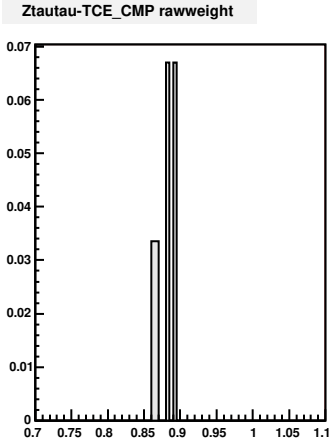

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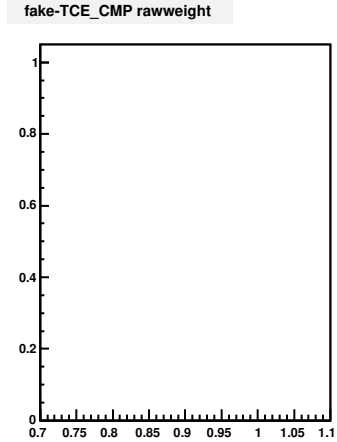

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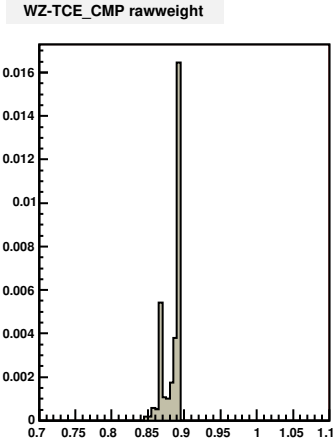

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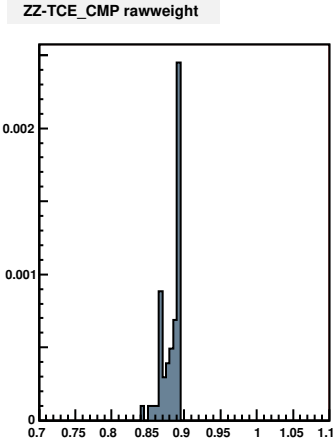

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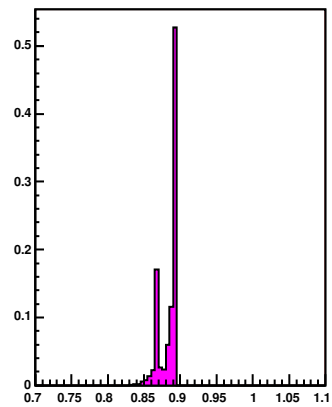

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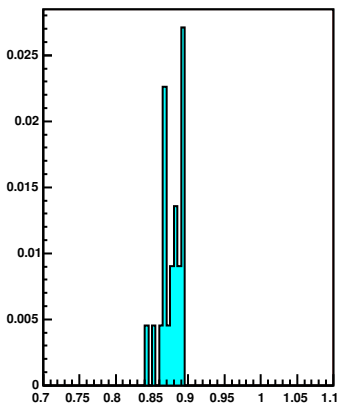

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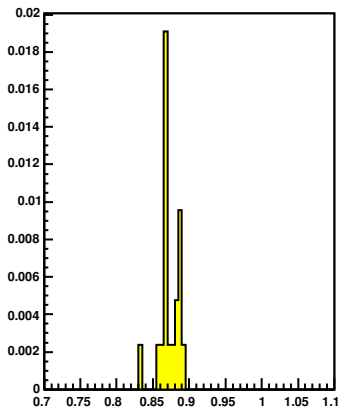
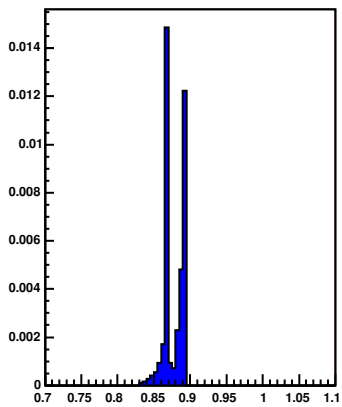


higgsww-TCE_CMP rawweight



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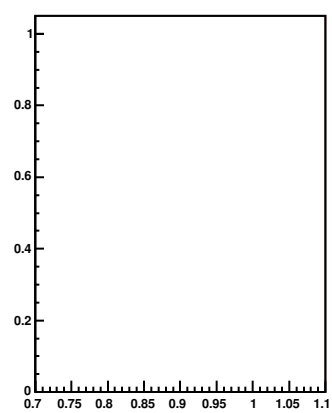
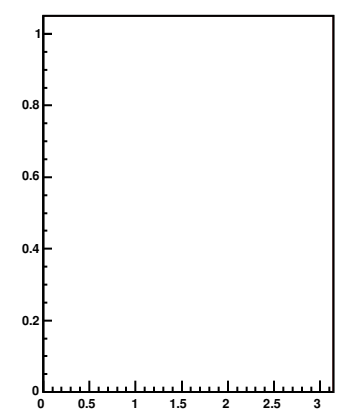


Zee-TCE_CMX dilDphilike



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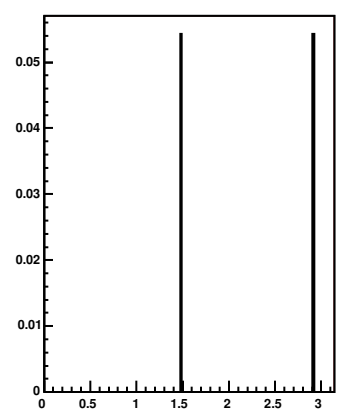

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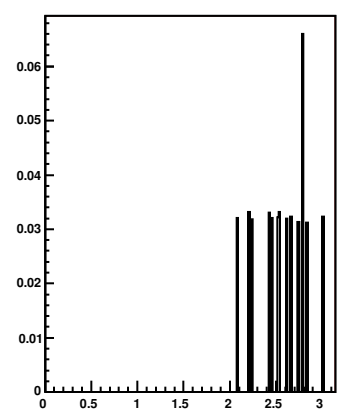
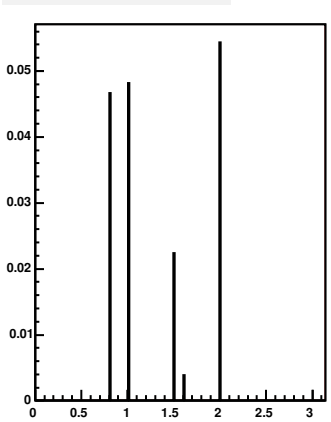


fake-TCE_CMX dilDphilike



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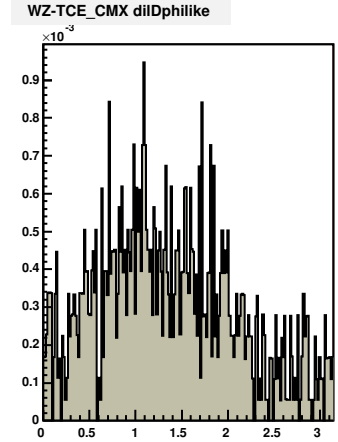

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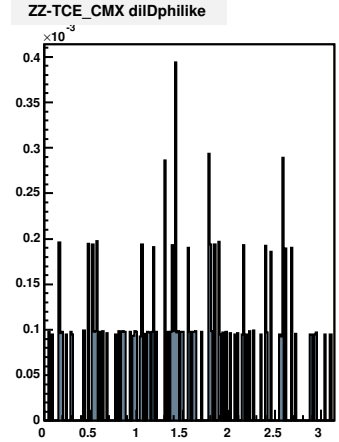

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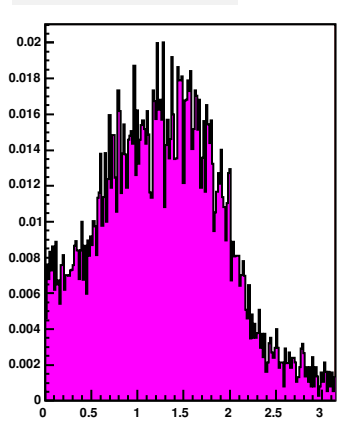
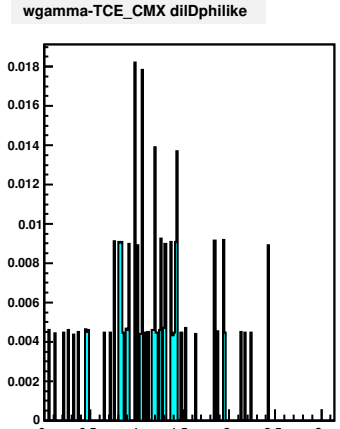


wgamma-TCE_CMX dilDphilike



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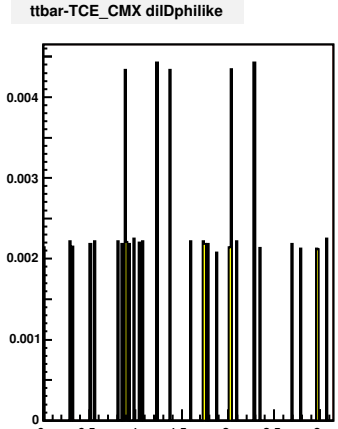
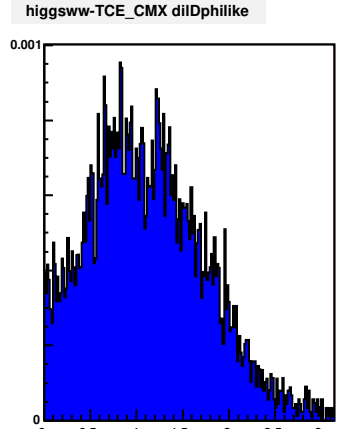


higgsww-TCE_CMX dilDphilike



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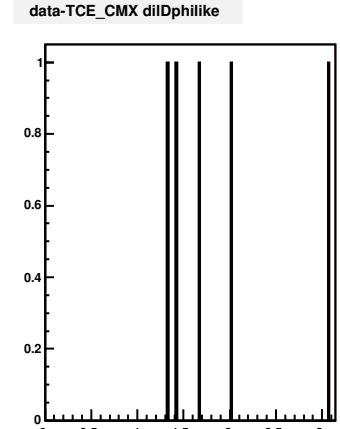

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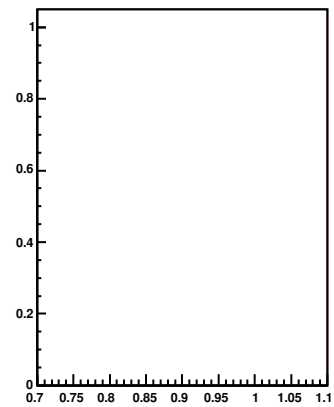

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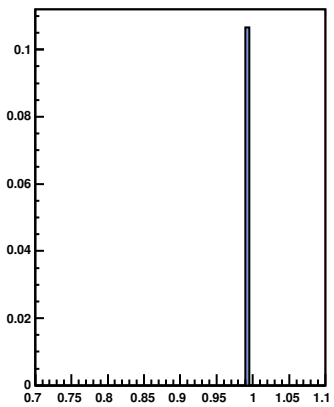

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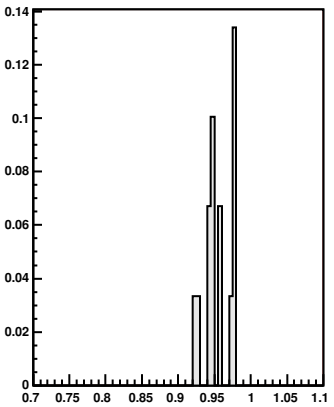

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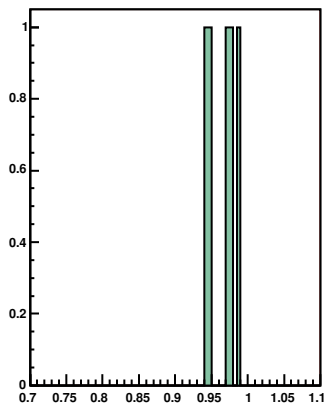

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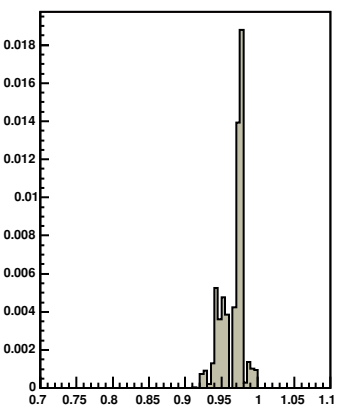

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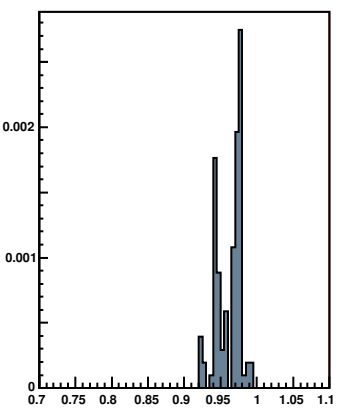

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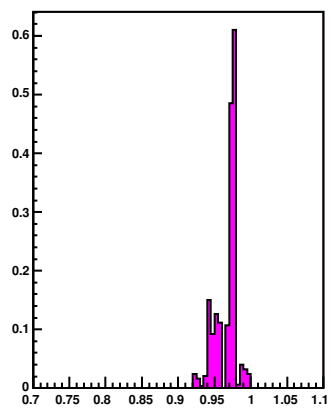

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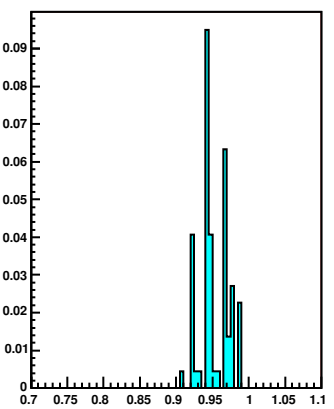

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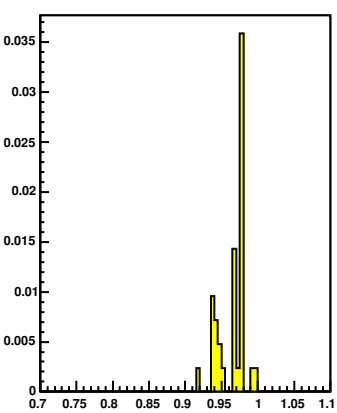

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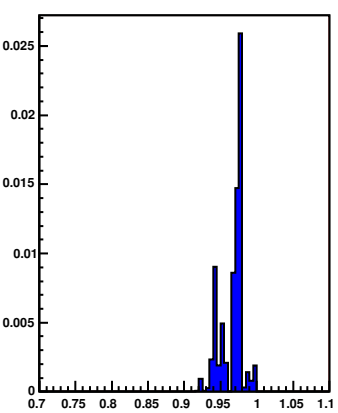
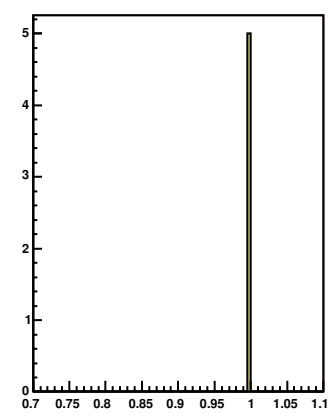
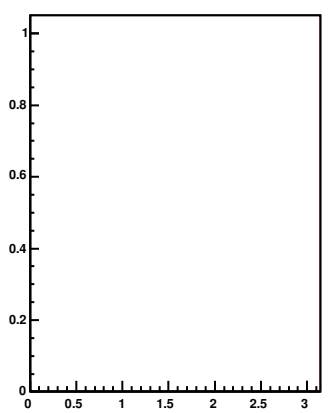


data-TCE_CMX rawweight



Zee-TCE_CMIO dilDphilike



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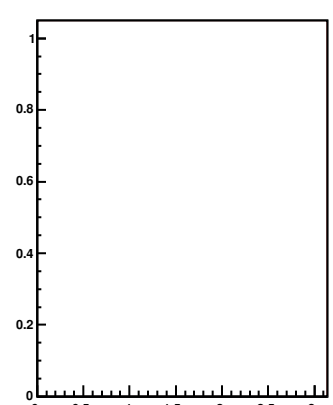

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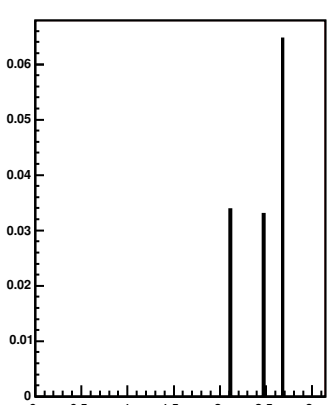
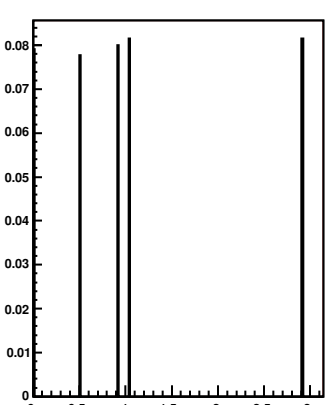


fake-TCE_CMIO dilDphilike



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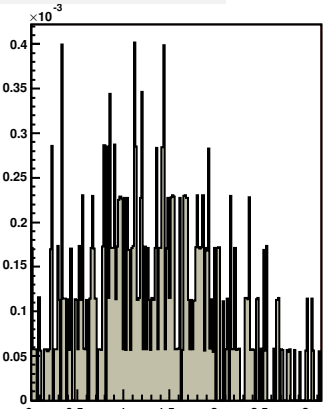

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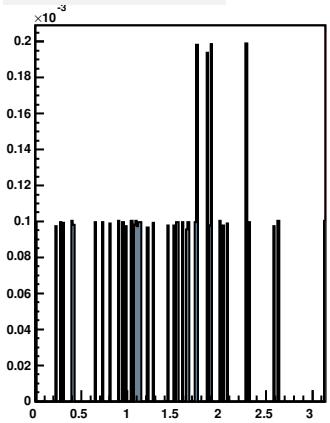
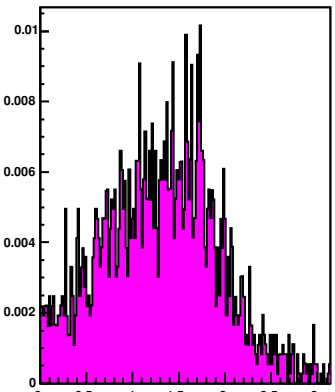
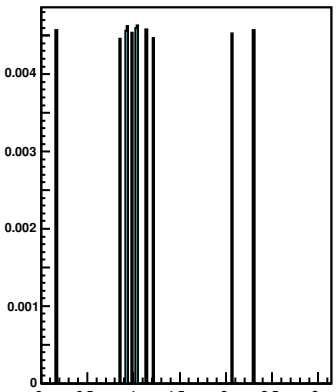


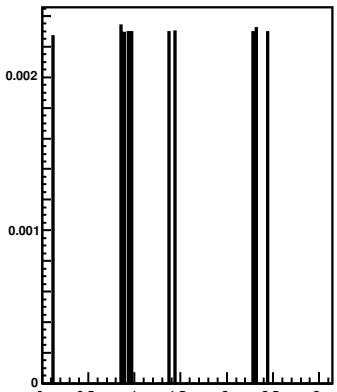
WW-TCE_CMIO dilDphilike



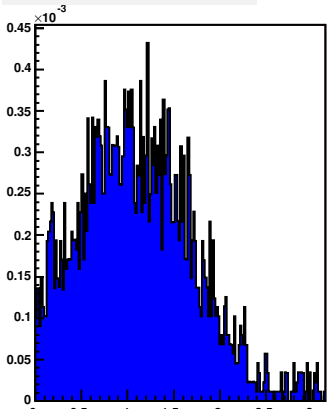
wgamma-TCE_CMIO dilDphilike



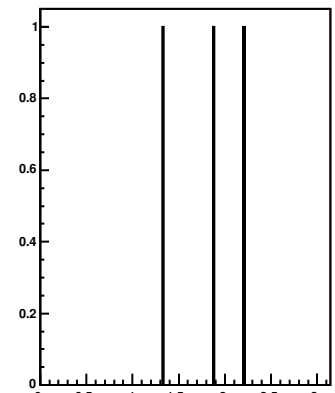
ttbar-TCE_CMIO dilDphilike



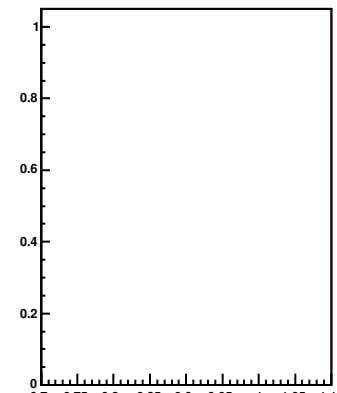
higgsww-TCE_CMIO dilDphilike



data-TCE_CMIO dilDphilike



Zee-TCE_CMIO rawweight



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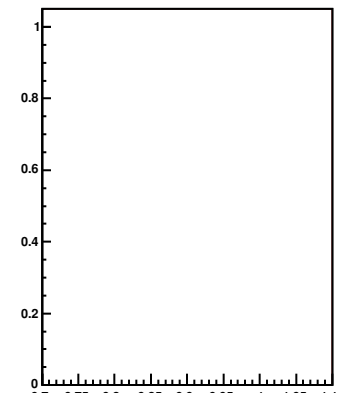

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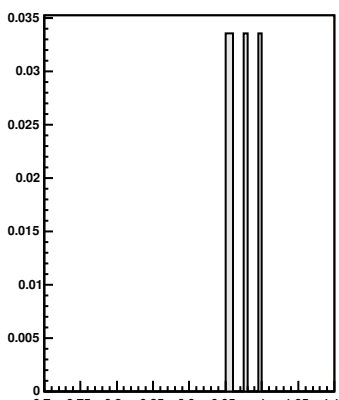

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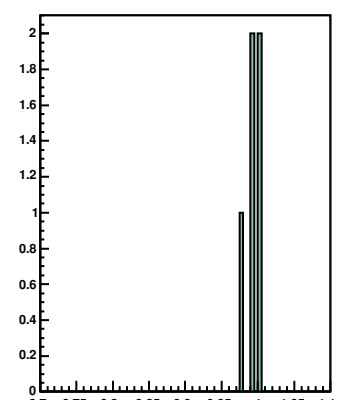
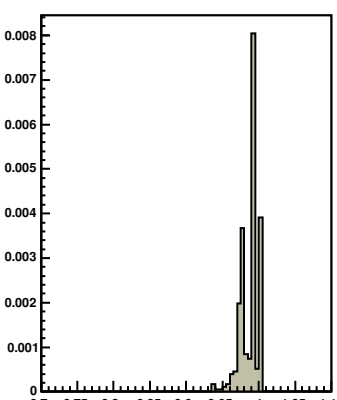


WZ-TCE_CMIO rawweight



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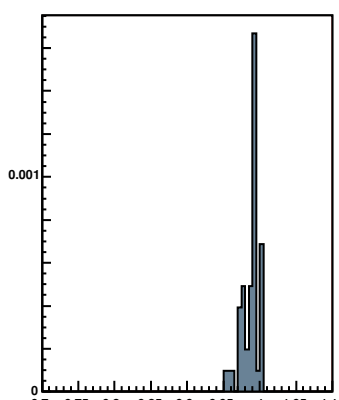
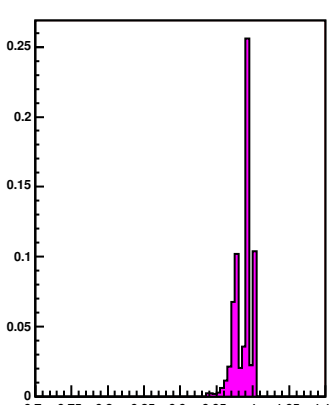


WW-TCE_CMIO rawweight



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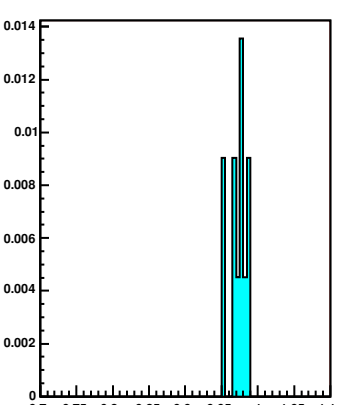

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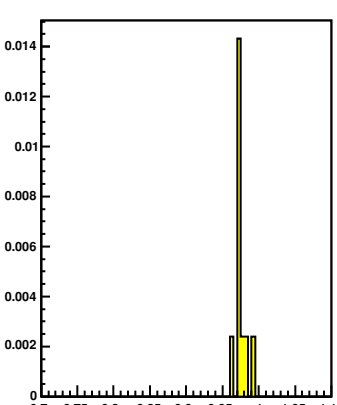

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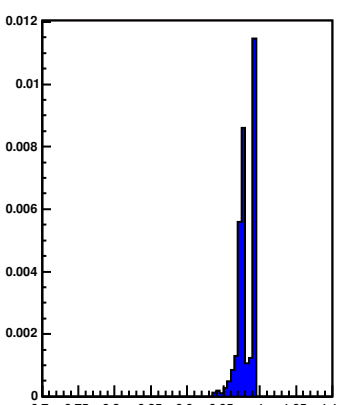

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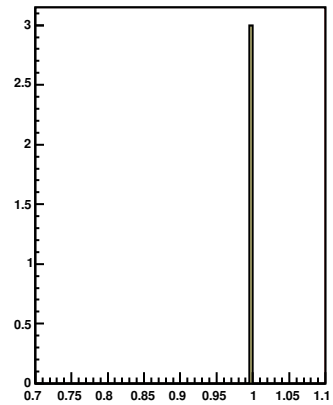

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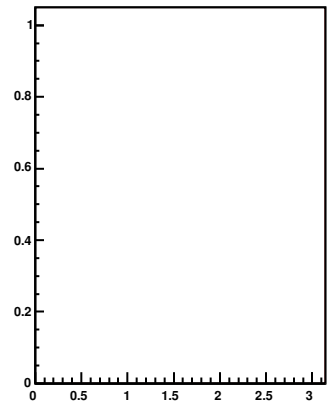

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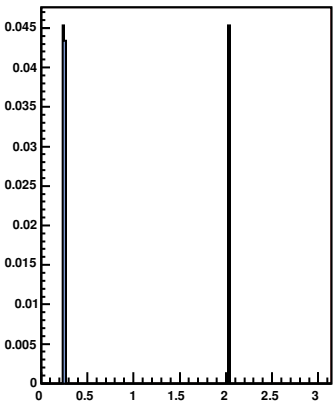

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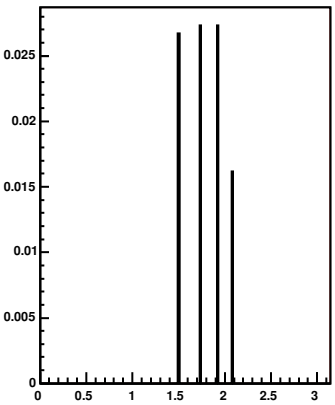
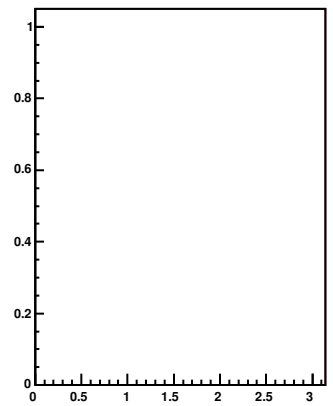


fake-PHX_CMUP dilDphilike



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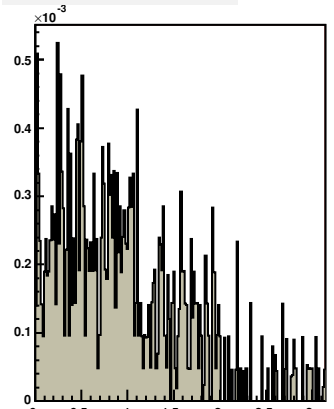

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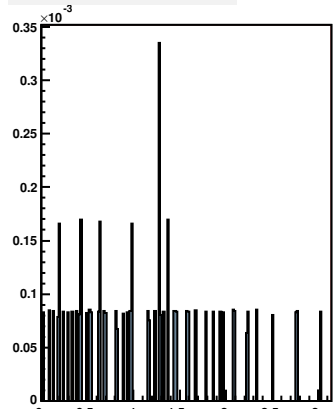

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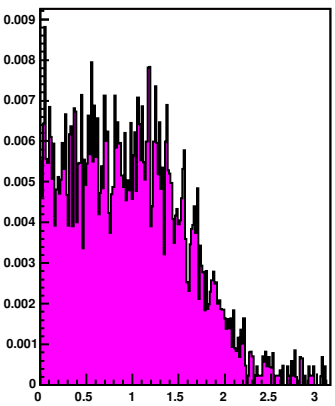

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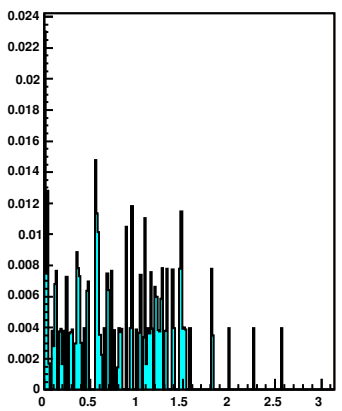

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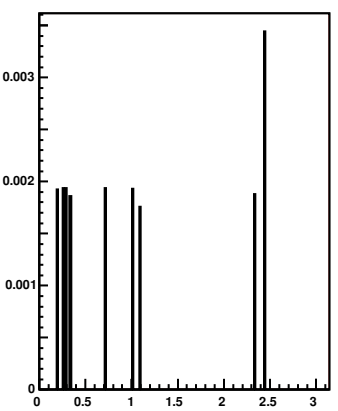
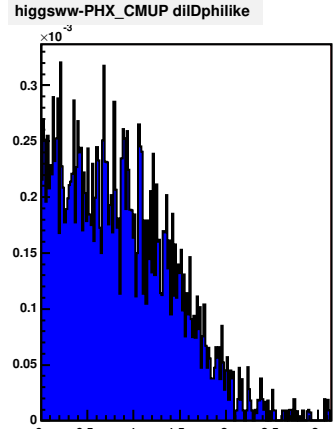


higgsww-PHX_CMUP dilDphilike



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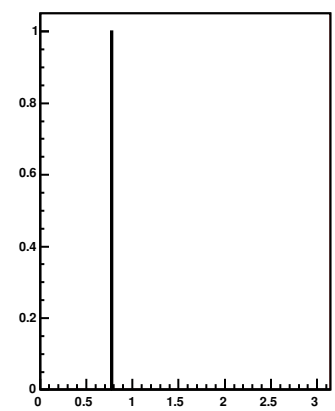

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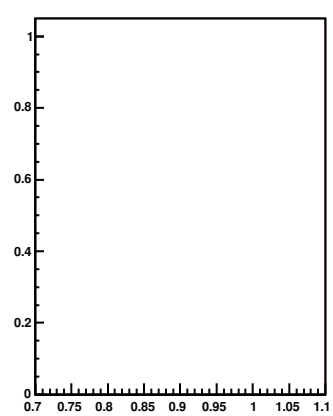

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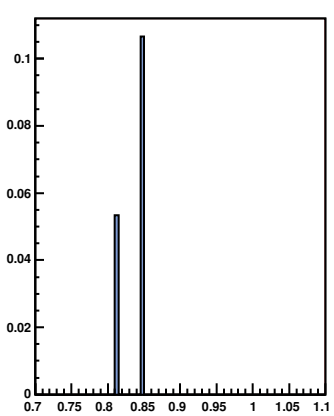

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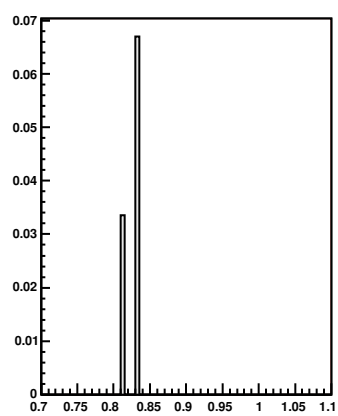

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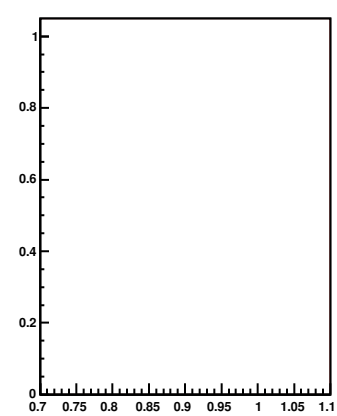

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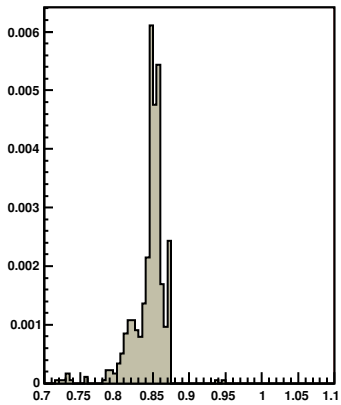

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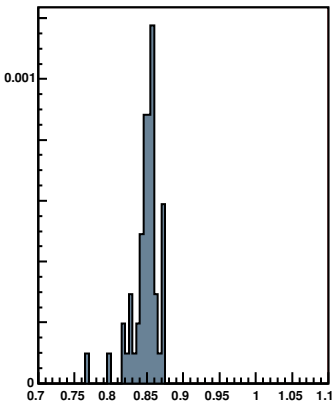

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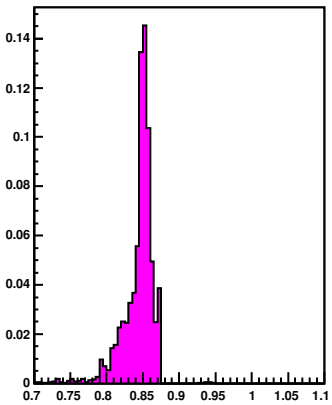

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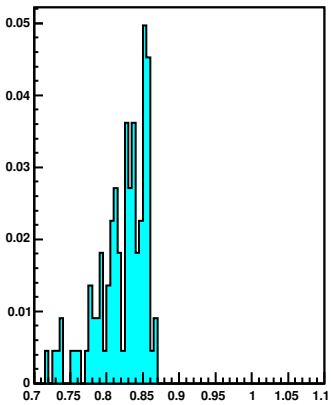

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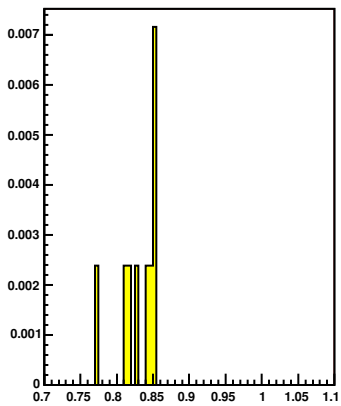

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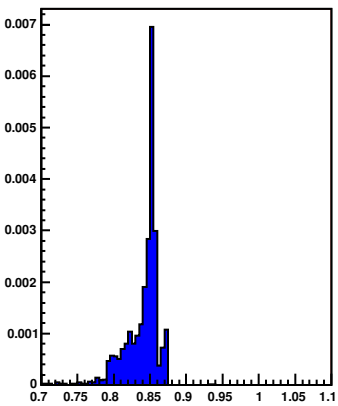

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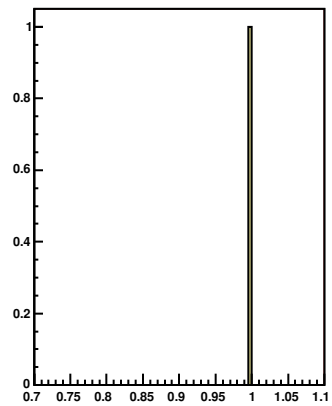
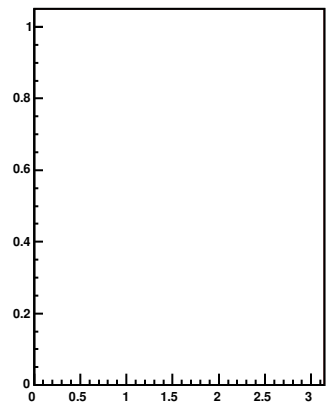


Zee-PHX_CMU dilDphilike



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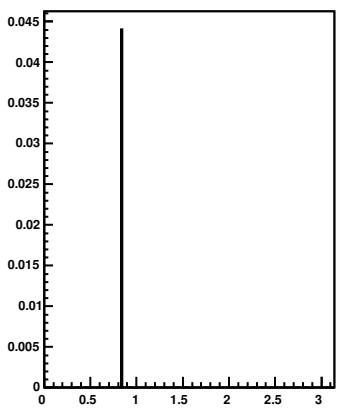

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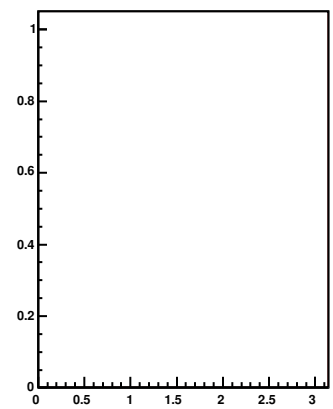
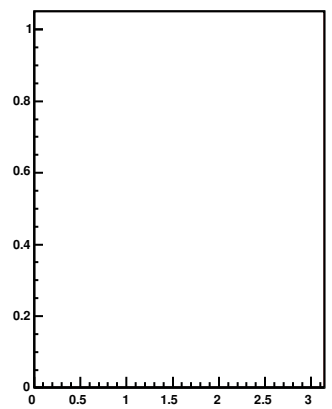


fake-PHX_CMU dilDphilike



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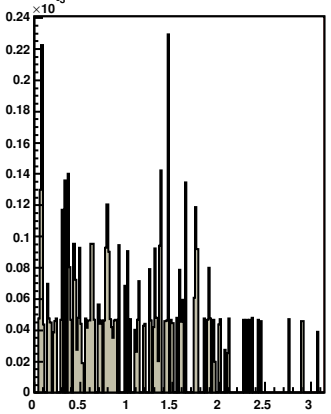

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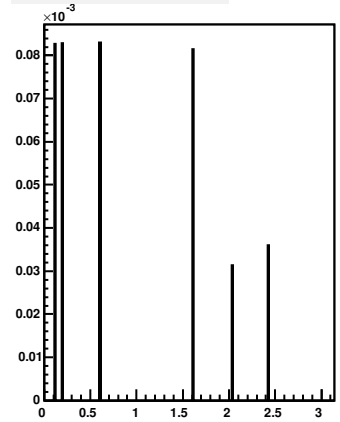

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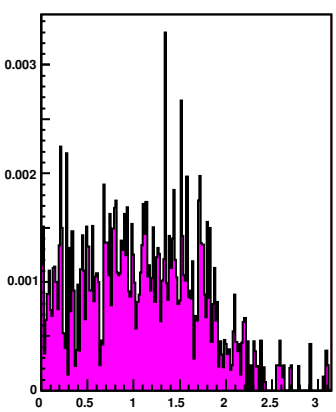

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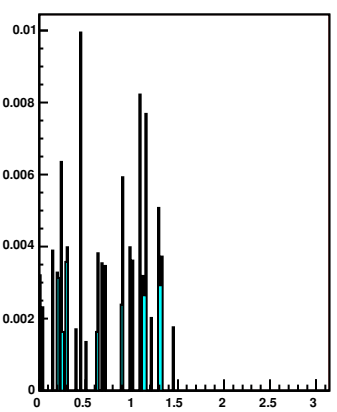
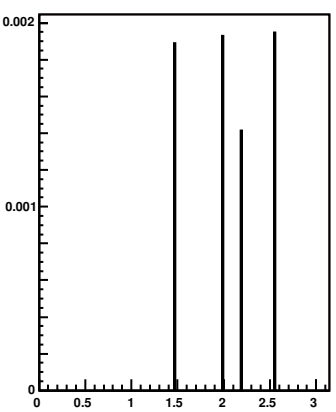


ttbar-PHX_CMU dilDphilike



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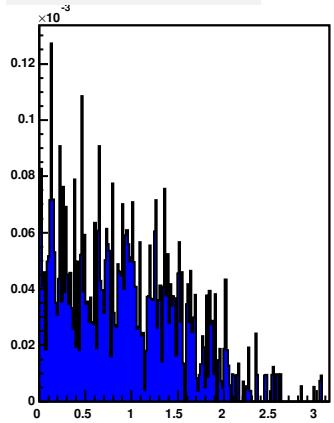

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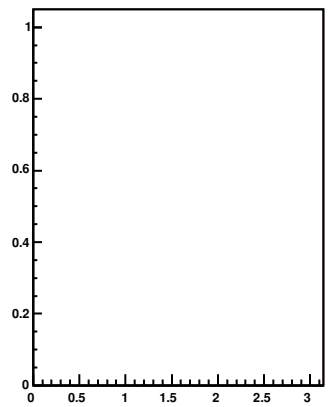

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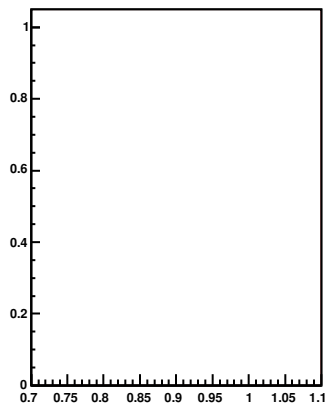

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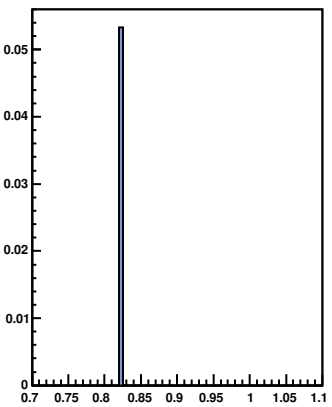

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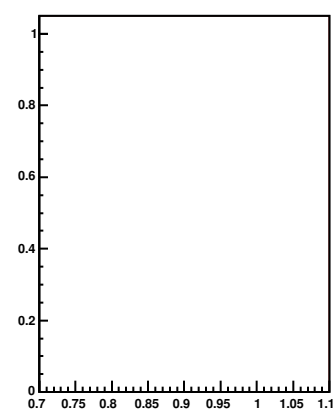
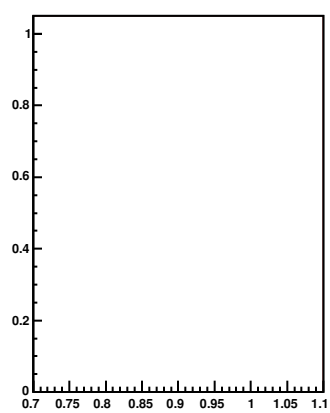


fake-PHX_CMU rawweight



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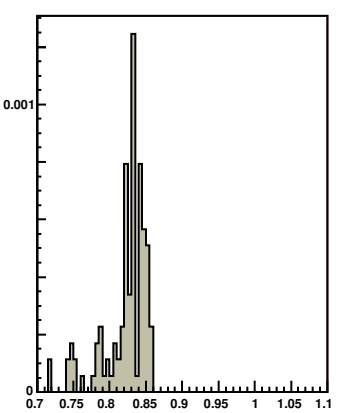

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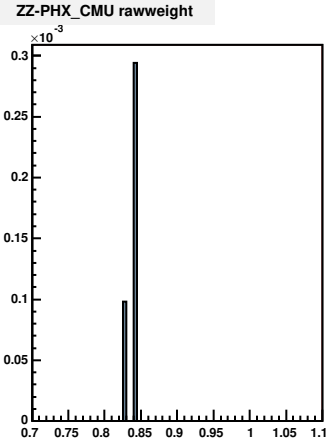

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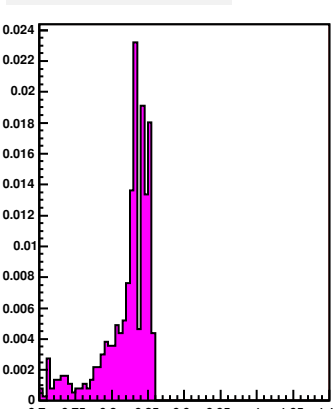

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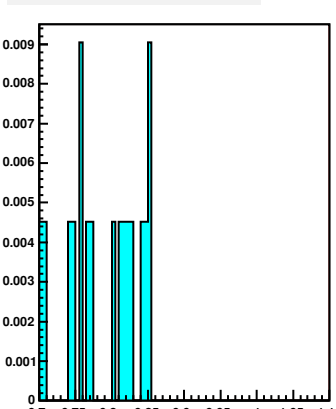

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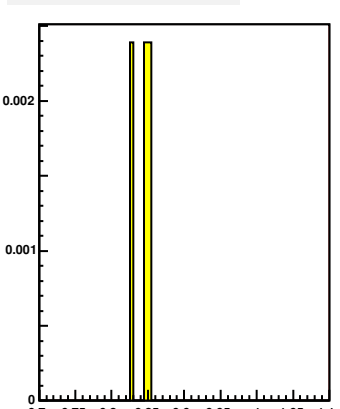

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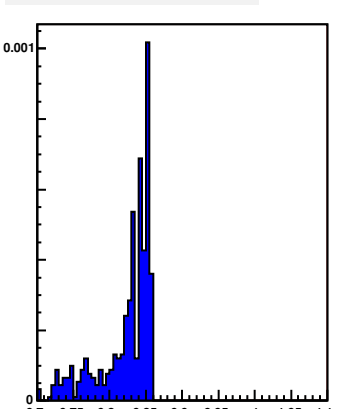

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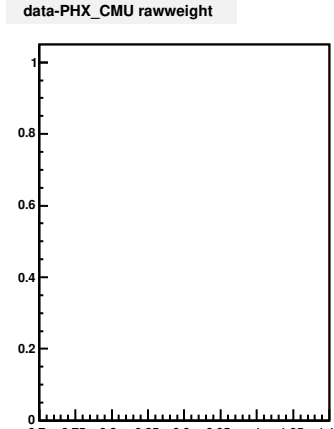
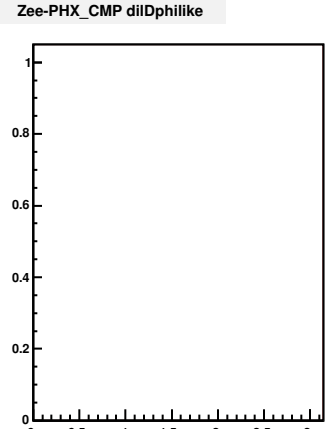
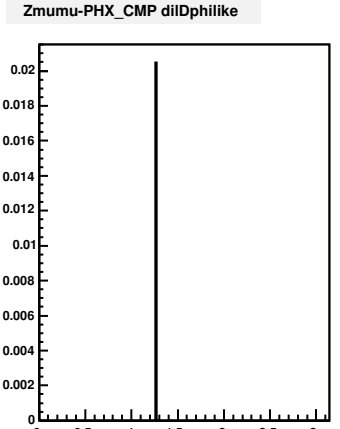


Zee-PHX_CMP dilDphilike



Zmumu-PHX_CMP dilDphilike



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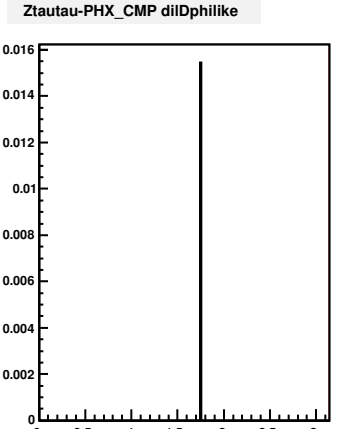
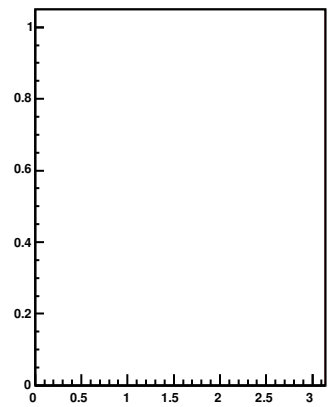
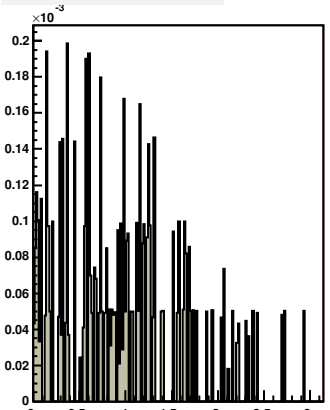


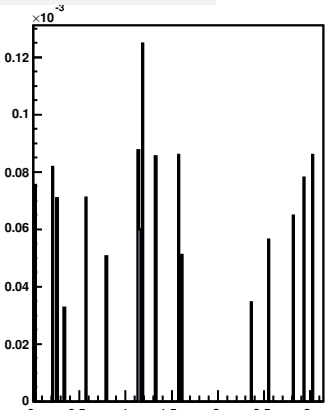
fake-PHX_CMP dilDphilike



WZ-PHX_CMP dilDphilike



ZZ-PHX_CMP dilDphilike



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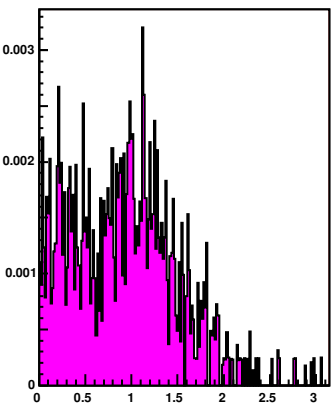

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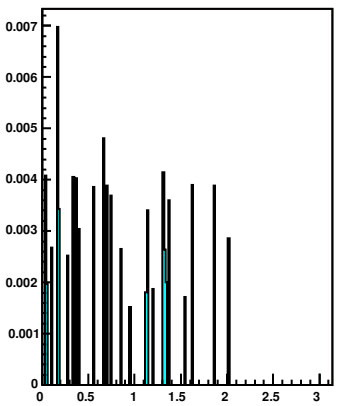

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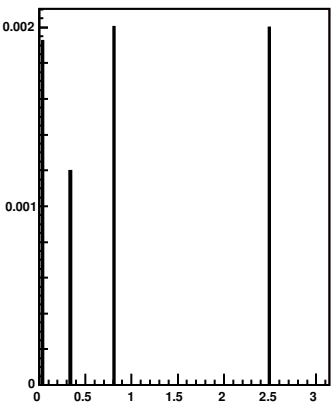

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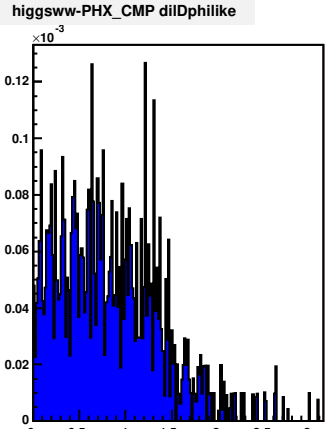

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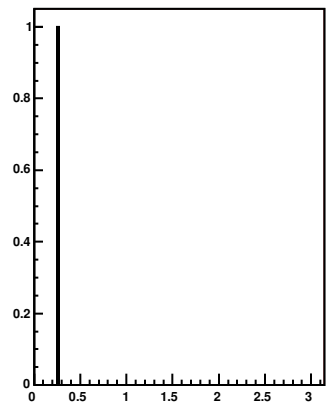

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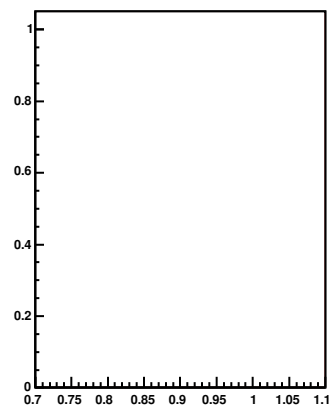

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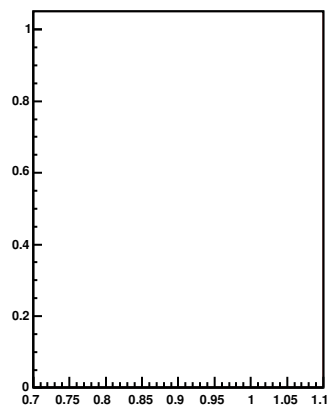

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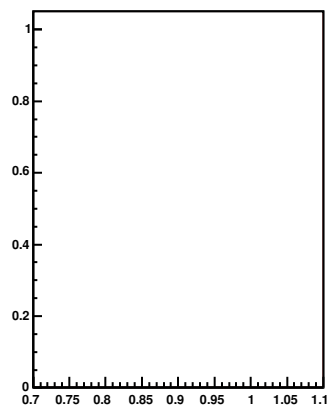

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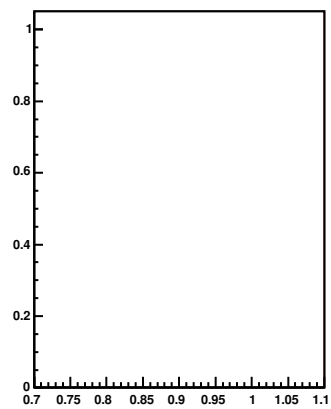

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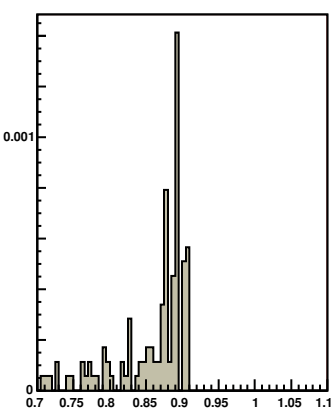

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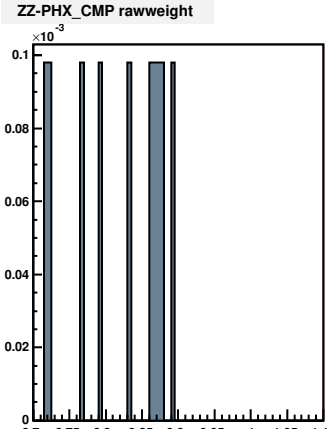

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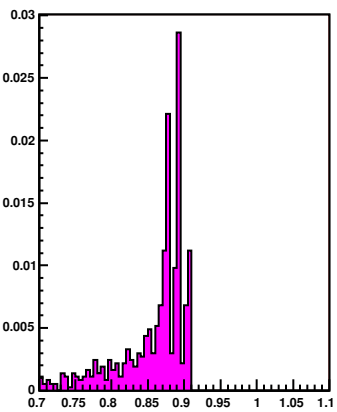

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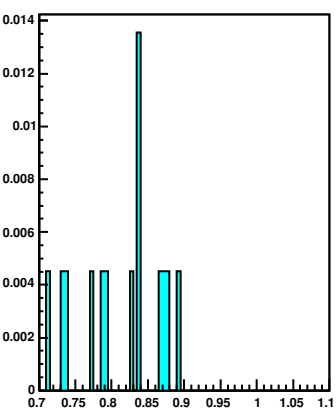

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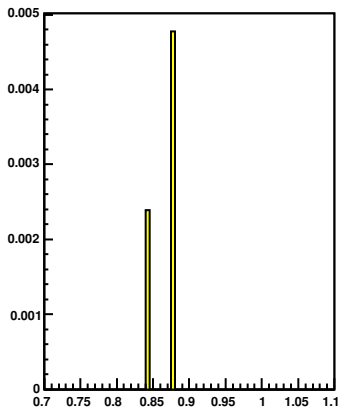

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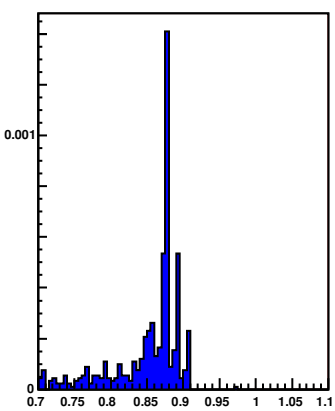

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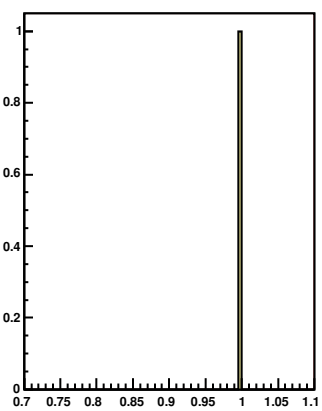

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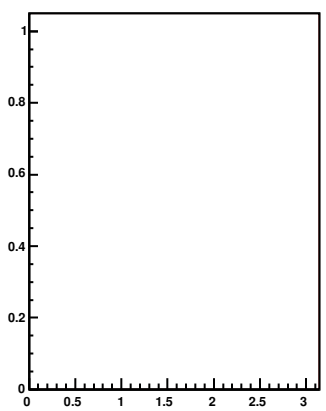

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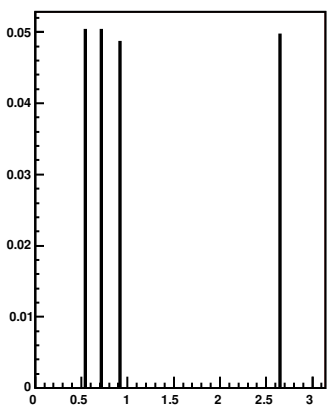

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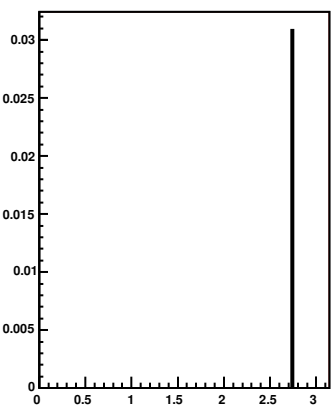

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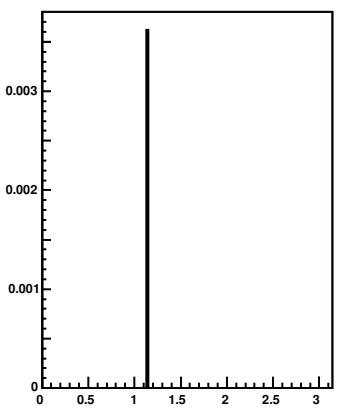

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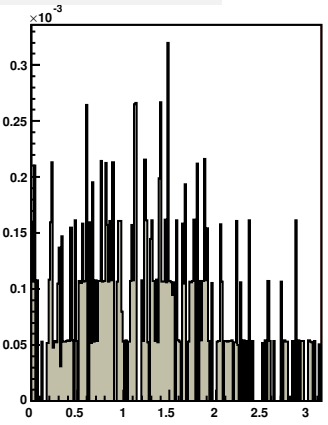

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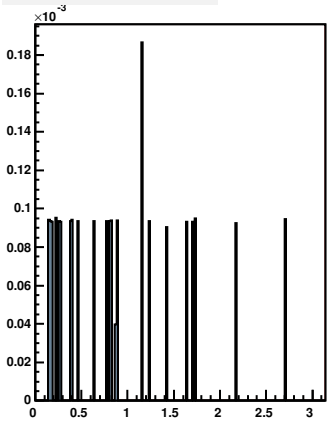

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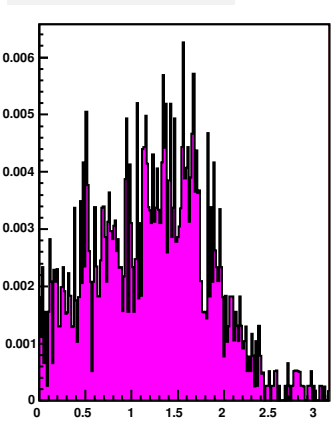

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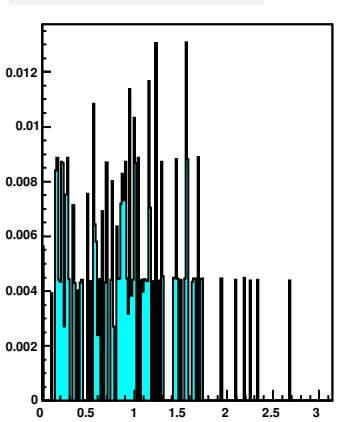

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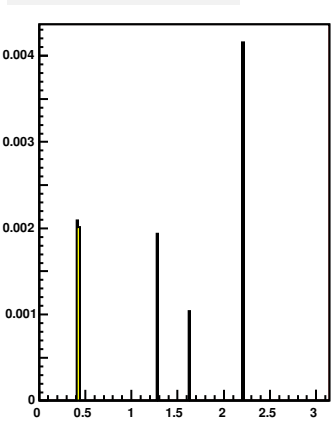

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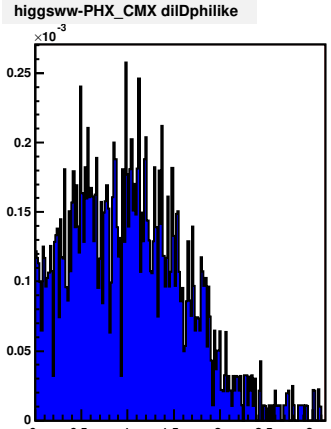

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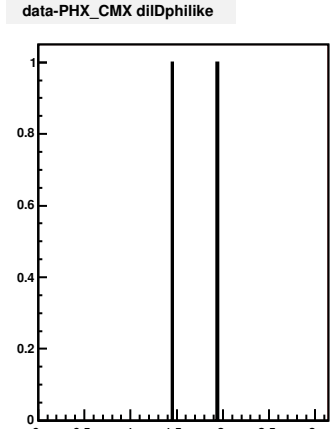

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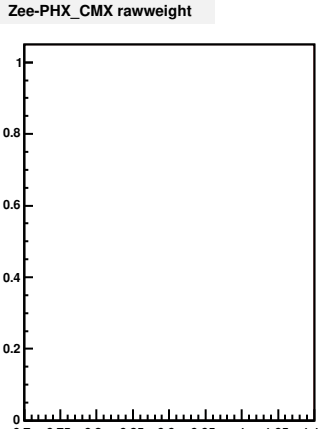

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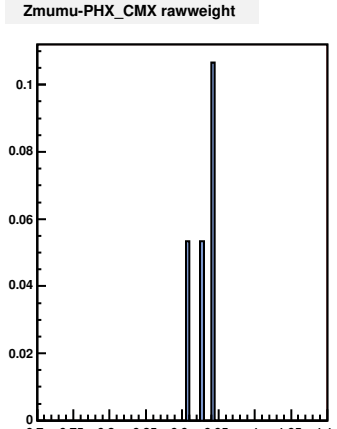

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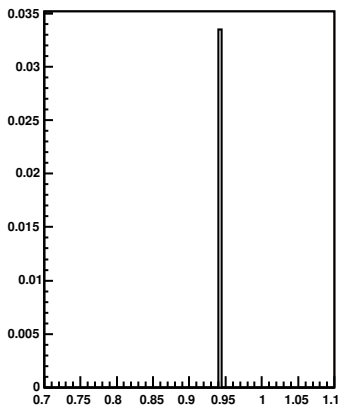

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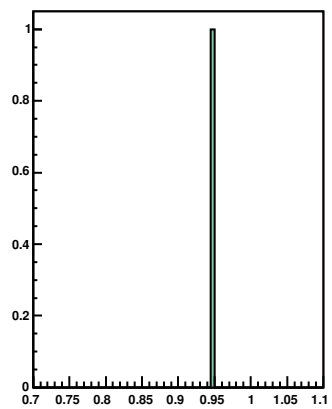

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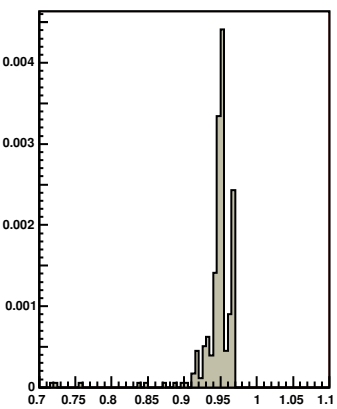

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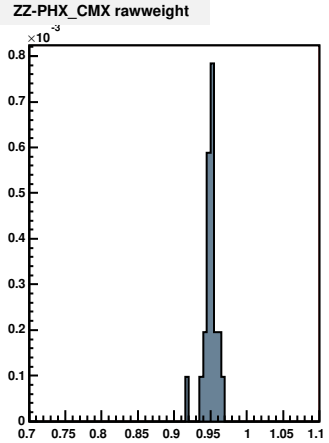

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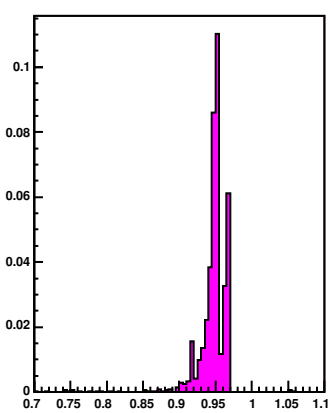

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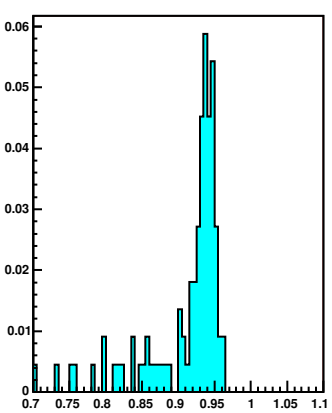

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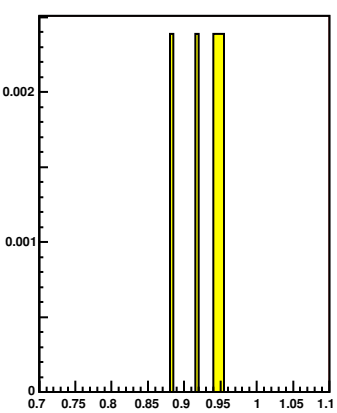

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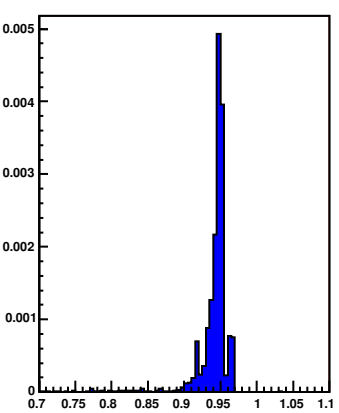

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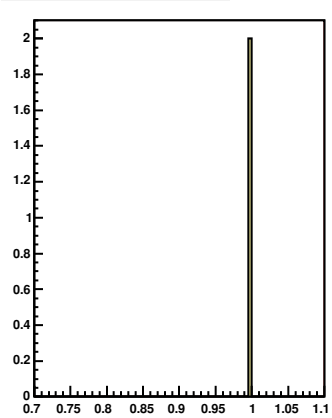
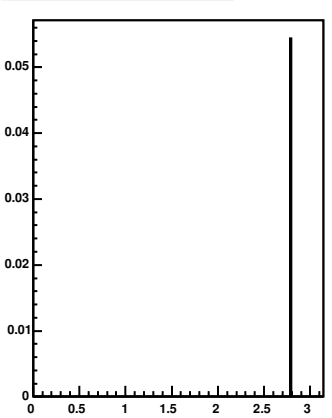


Zee-PHX_CMIO dilDphilike



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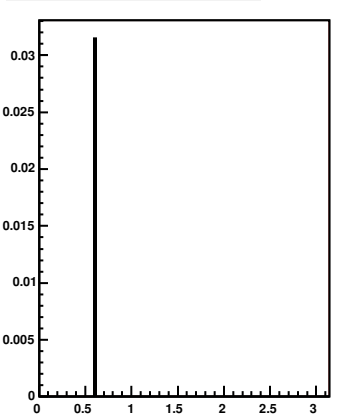

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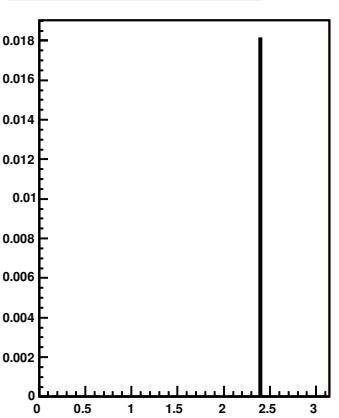

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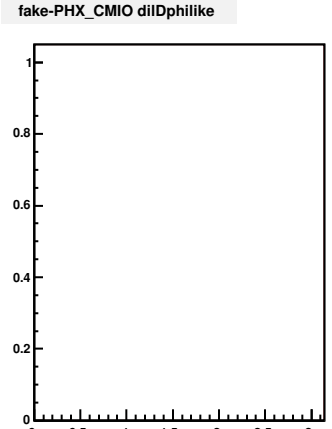

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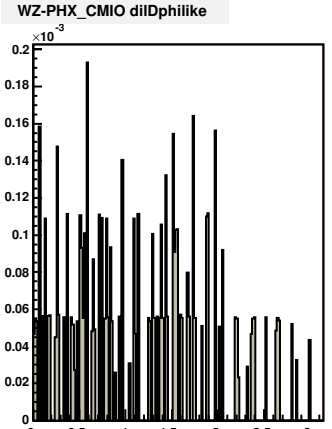

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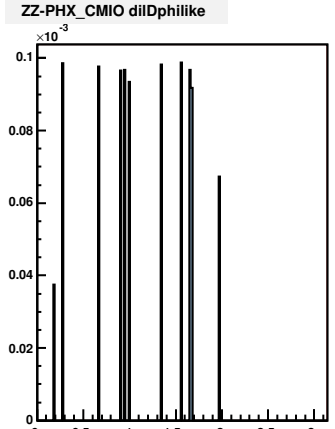

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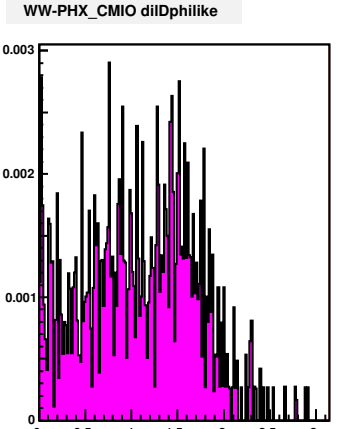

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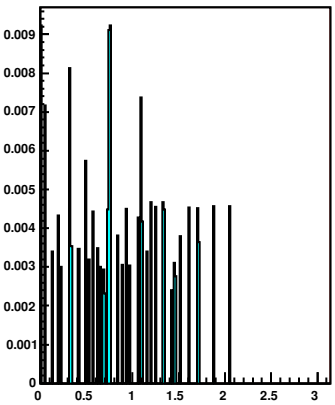

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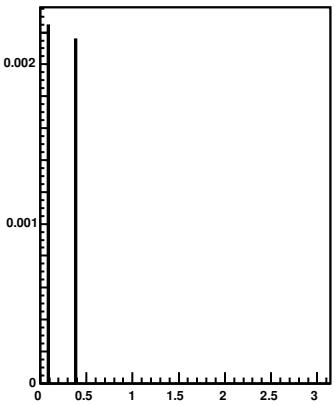

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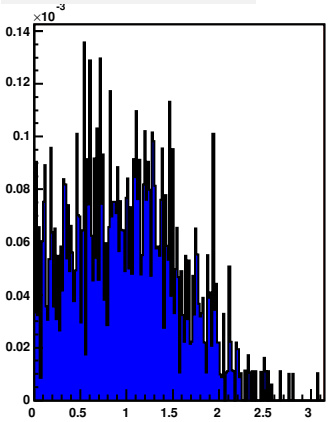

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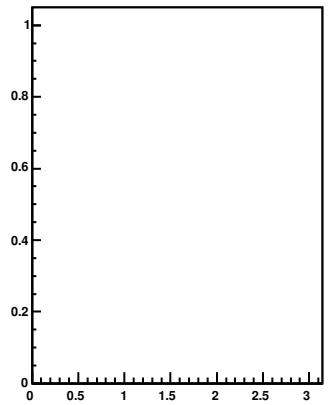

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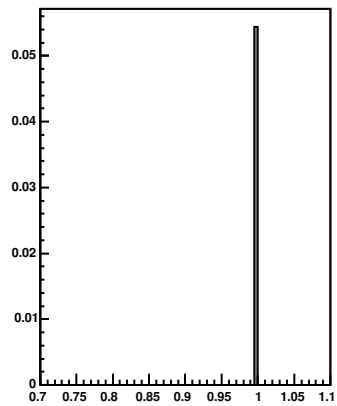

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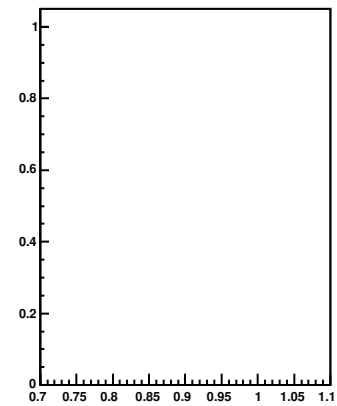

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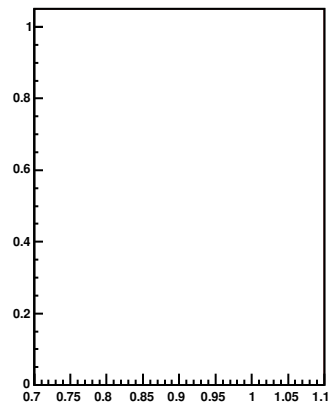

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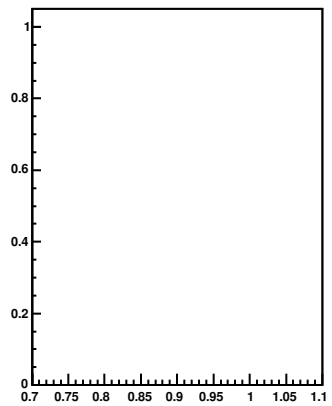
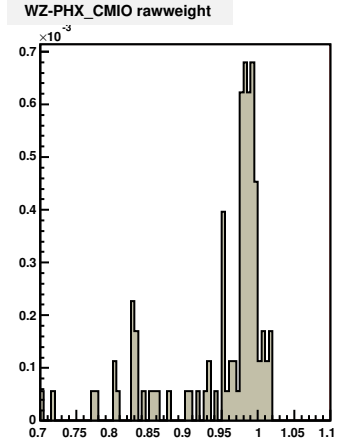


WZ-PHX_CMIO rawweight



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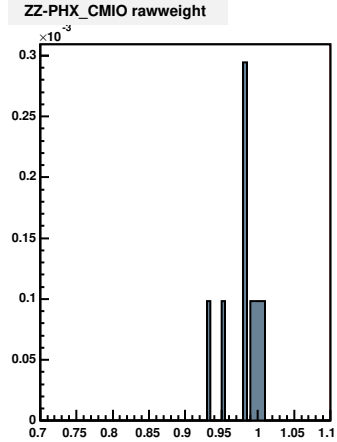

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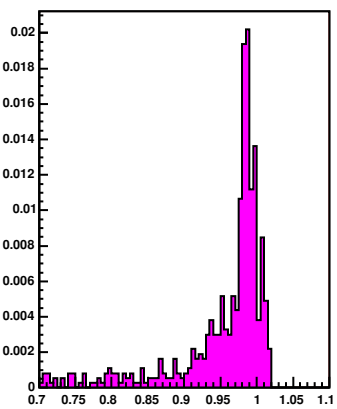

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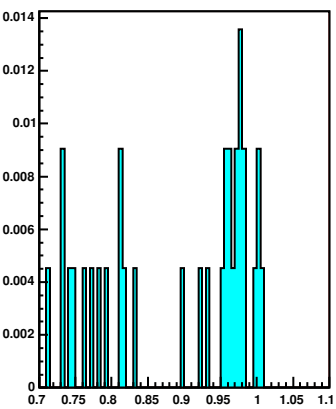

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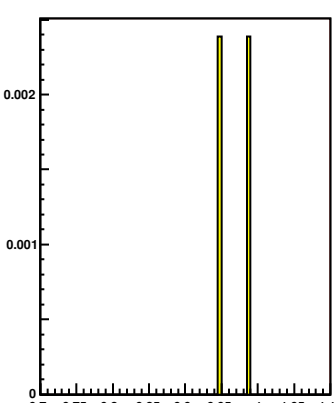

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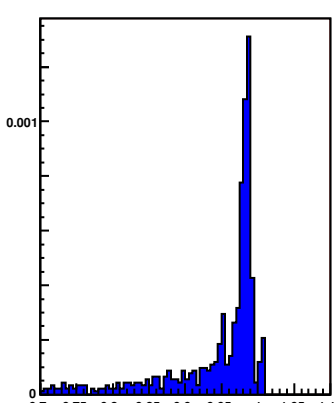

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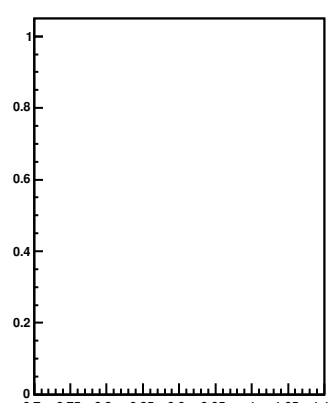
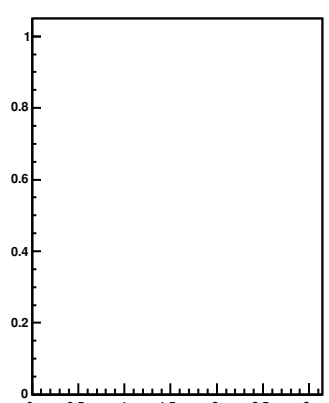
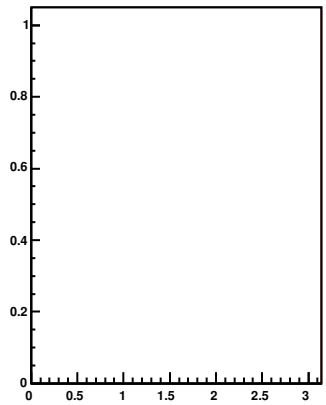


Zee-PEM_CMUP dilDphilike



Zmumu-PEM_CMUP dilDphilike



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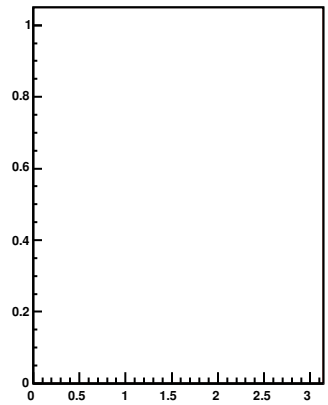
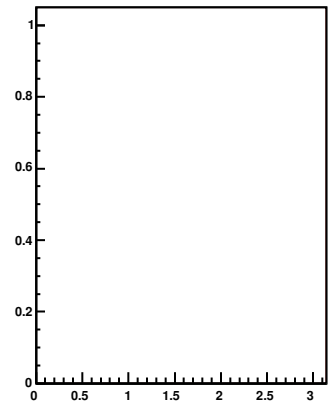
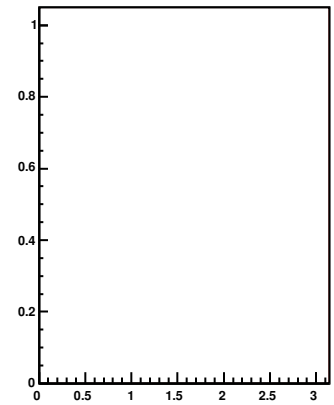


fake-PEM_CMUP dilDphilike



WZ-PEM_CMUP dilDphilike



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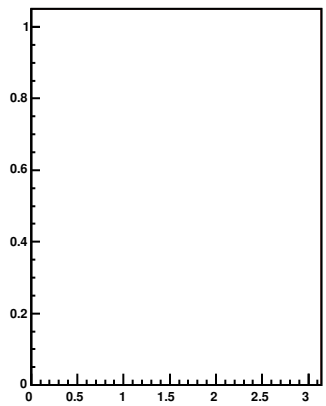

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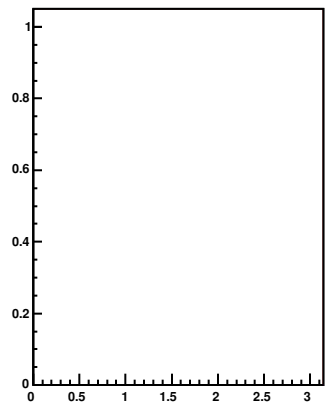
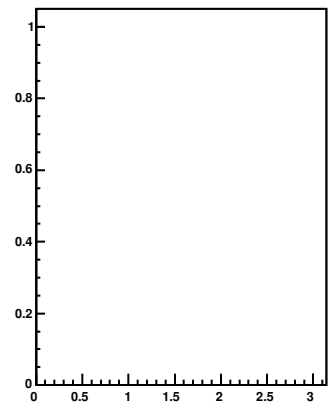
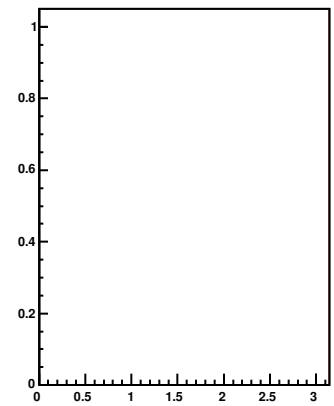


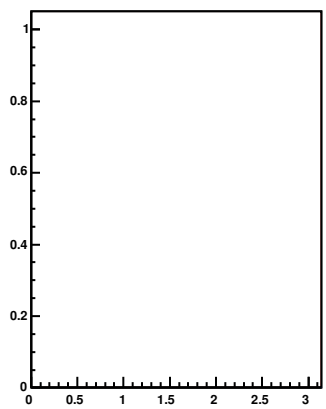
wgamma-PEM_CMUP dilDphilike



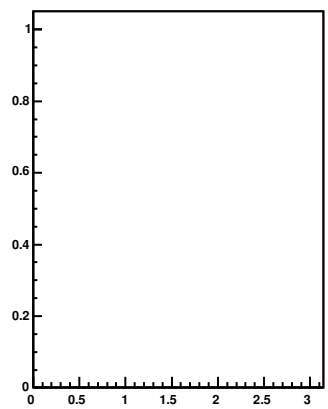
ttbar-PEM_CMUP dilDphilike



higgsww-PEM_CMUP dilDphilike



data-PEM_CMUP dilDphilike



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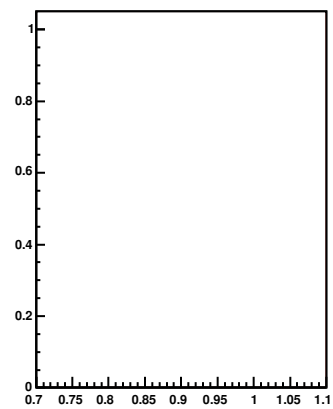
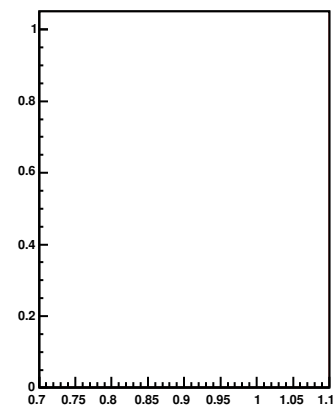
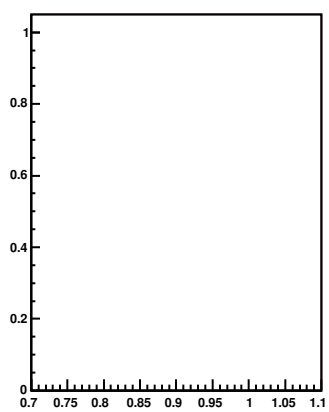


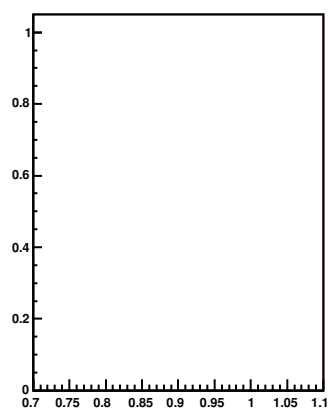
Zmumu-PEM_CMUP rawweight



Ztautau-PEM_CMUP rawweight



fake-PEM_CMUP rawweight



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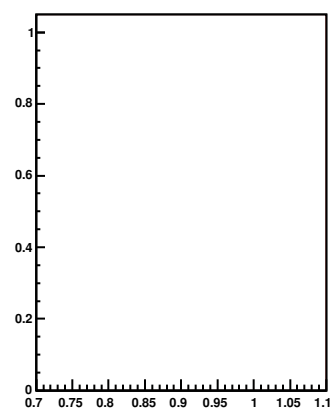

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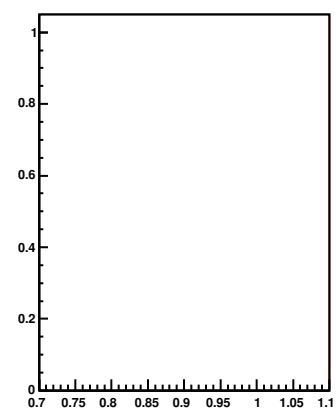

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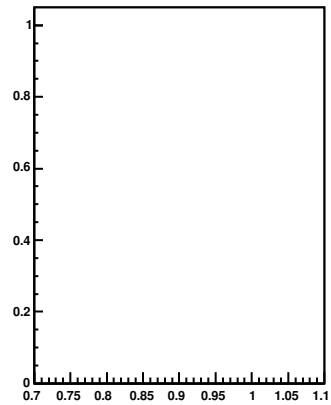
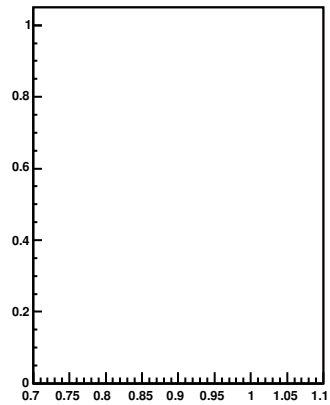
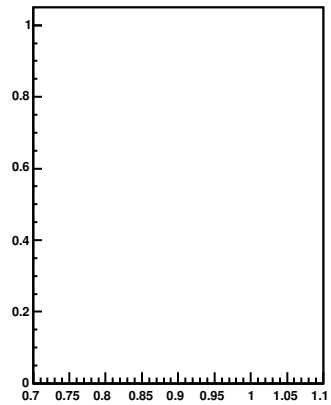


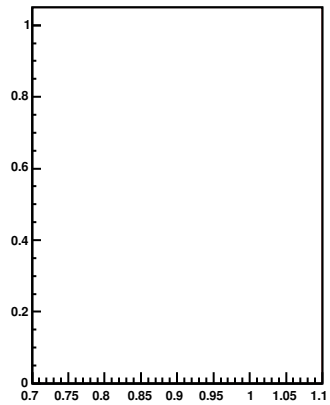
wgamma-PEM_CMUP rawweight



ttbar-PEM_CMUP rawweight



higgsww-PEM_CMUP rawweight



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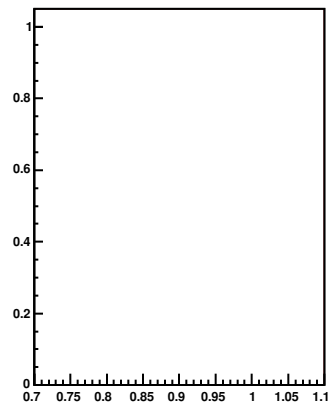
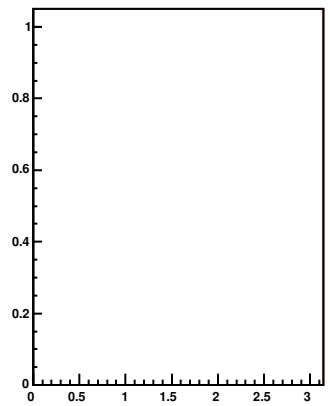
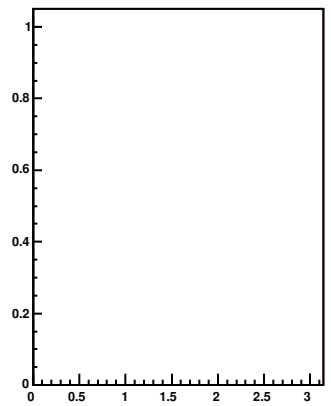


Zee-PEM_CMX dilDphilike



Zmumu-PEM_CMX dilDphilike



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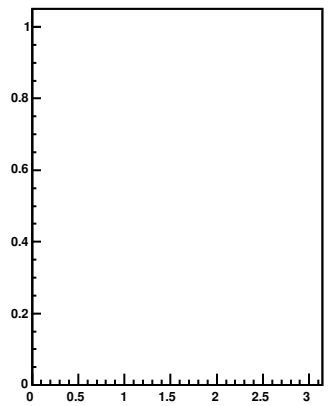
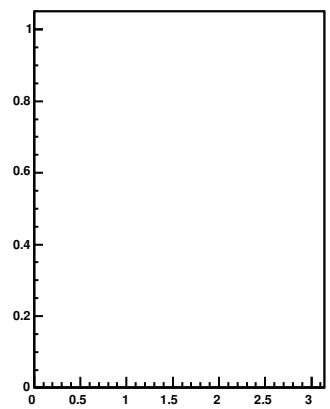
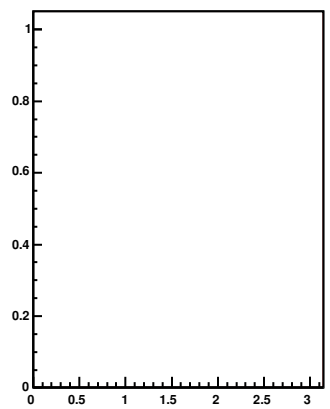


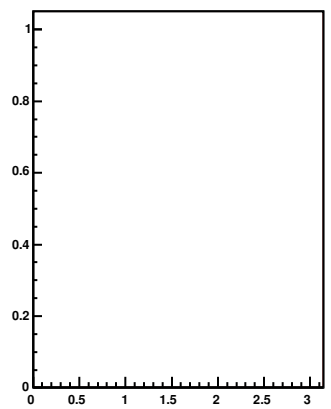
fake-PEM_CMX dilDphilike



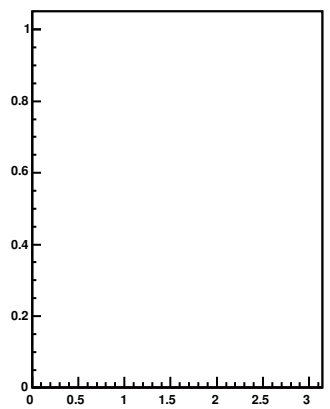
WZ-PEM_CMX dilDphilike



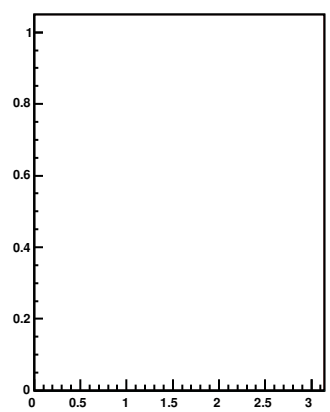
ZZ-PEM_CMX dilDphilike



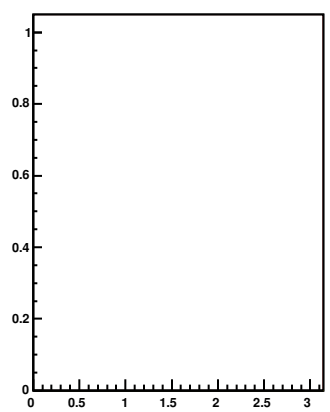
WW-PEM_CMX dilDphilike



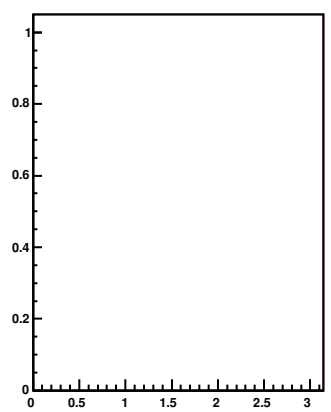
wgamma-PEM_CMX dilDphilike



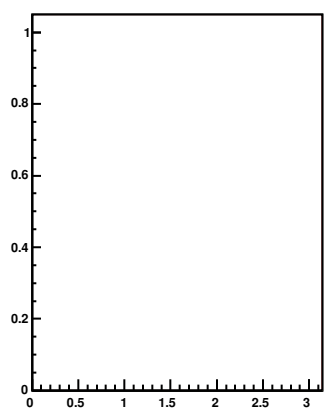
ttbar-PEM_CMX dilDphilike



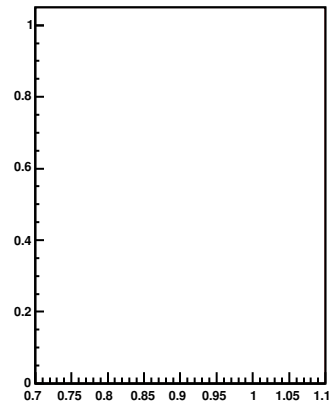
higgsww-PEM_CMX dilDphilike



data-PEM_CMX dilDphilike



Zee-PEM_CMX rawweight



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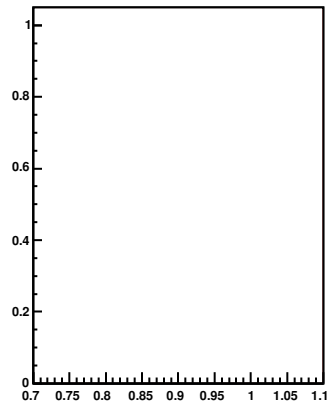

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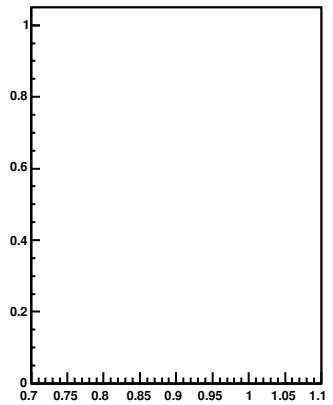
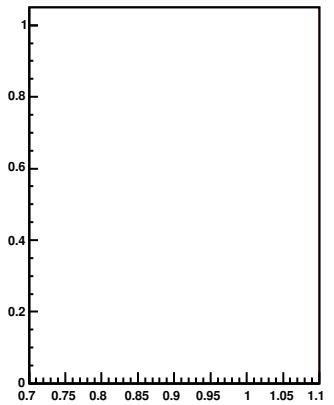
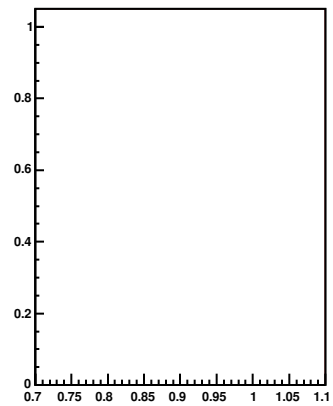


fake-PEM_CMX rawweight



WZ-PEM_CMX rawweight



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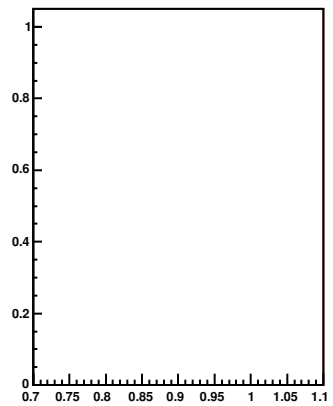
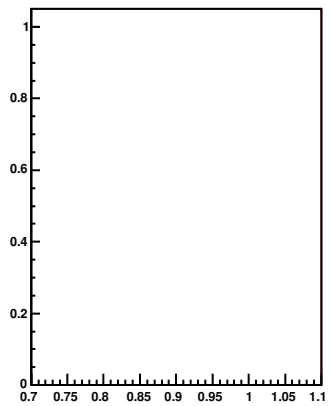
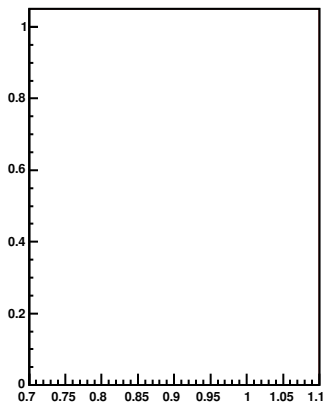


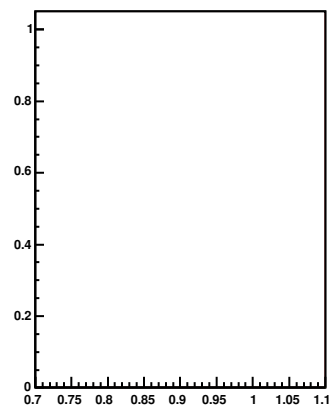
WW-PEM_CMX rawweight



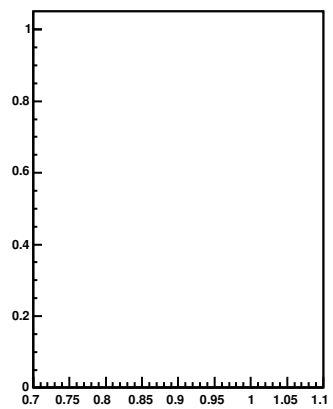
wgamma-PEM_CMX rawweight



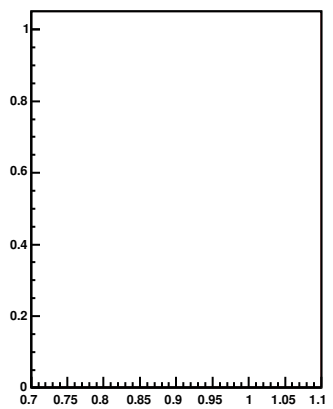
ttbar-PEM_CMX rawweight



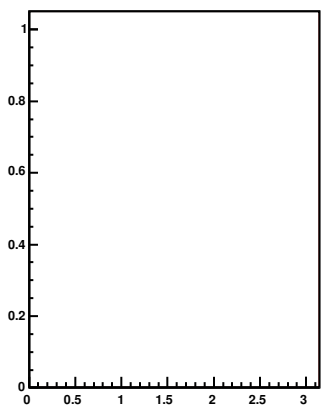
higgsww-PEM_CMX rawweight



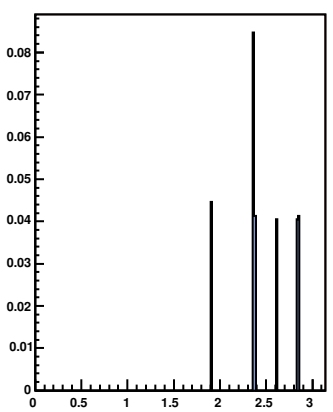
data-PEM_CMX rawweight



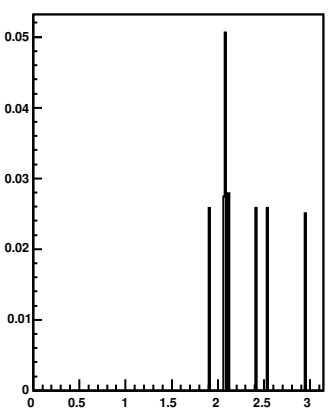
Zee-CMUP_CMUP dilDphilike



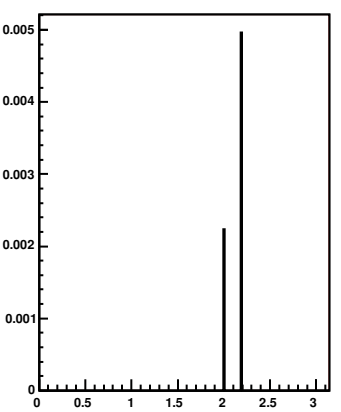
Zmumu-CMUP_CMUP dilDphilike



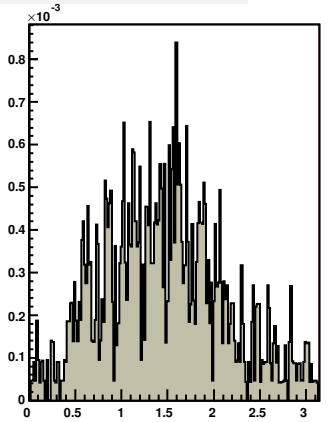
Ztautau-CMUP_CMUP dilDphilike



fake-CMUP_CMUP dilDphilike



WZ-CMUP_CMUP dilDphilike



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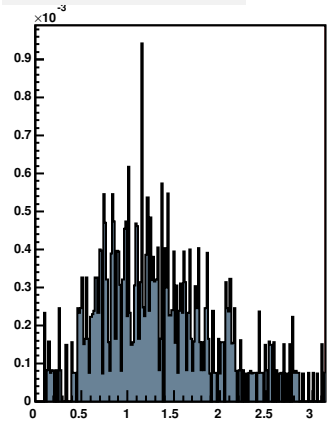

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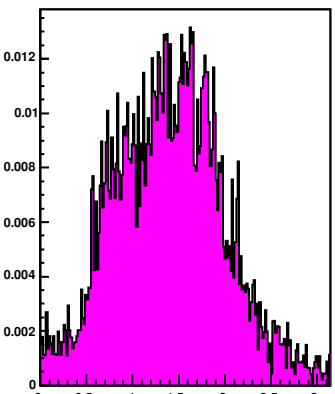

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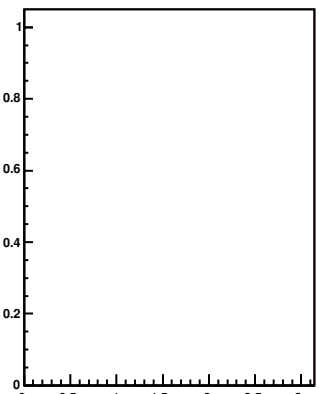

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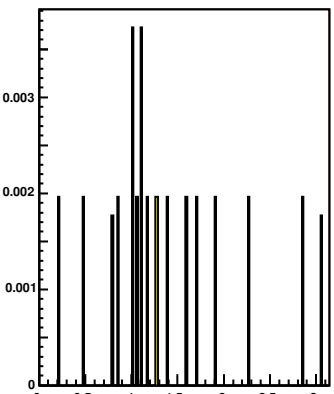
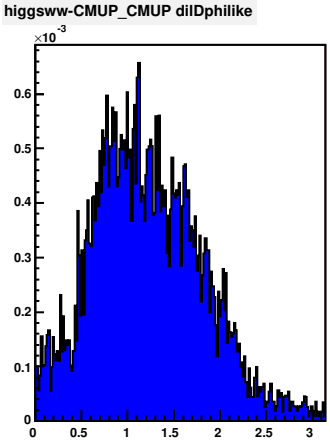


higgsww-CMUP_CMUP dilDphilike



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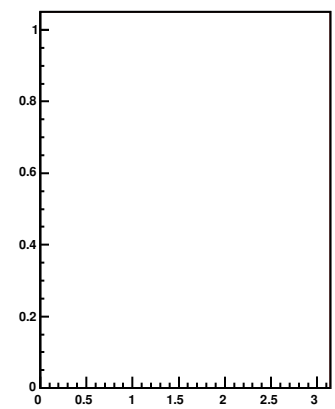
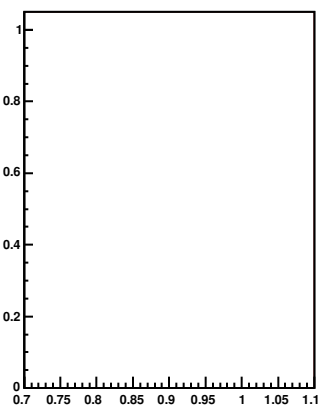


Zee-CMUP_CMUP rawweight



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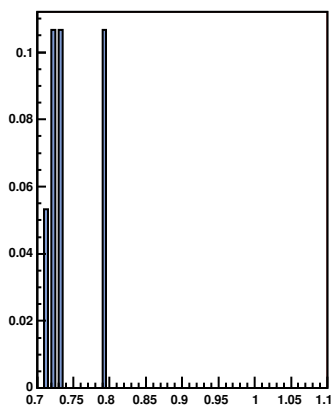

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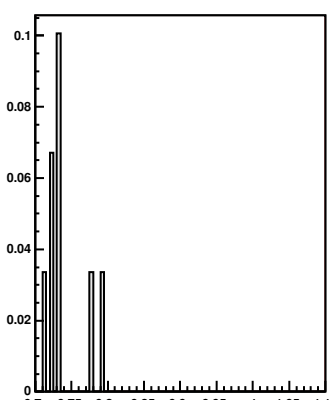
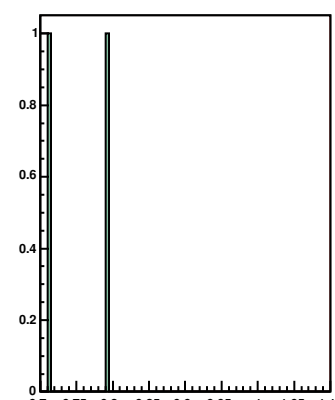


fake-CMUP_CMUP rawweight



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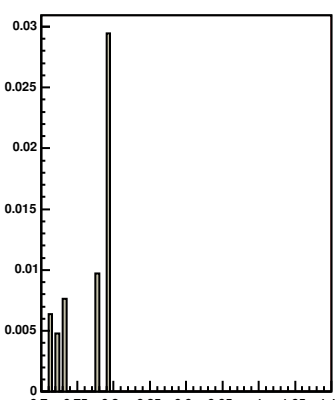

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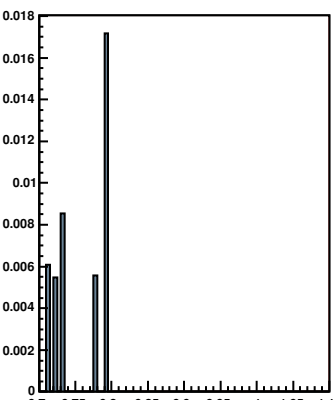

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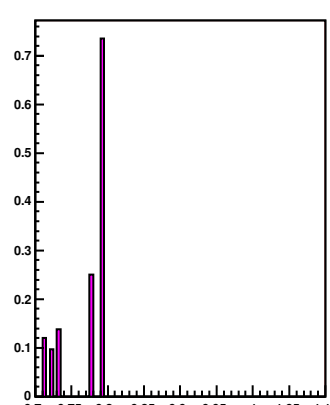

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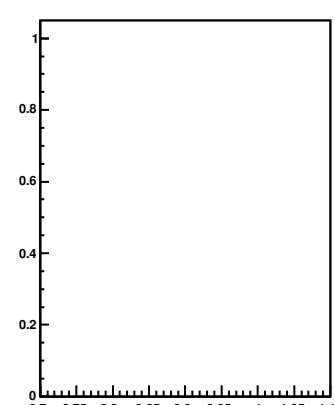
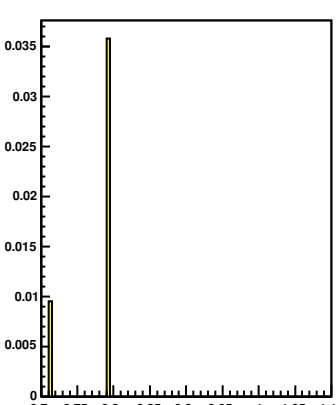
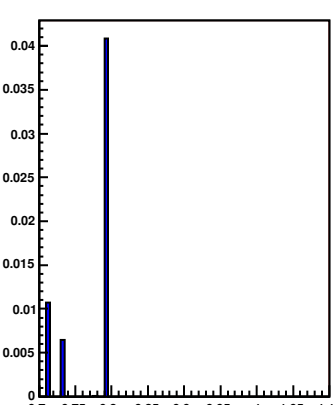


ttbar-CMUP_CMUP rawweight



higgsww-CMUP_CMUP rawweight



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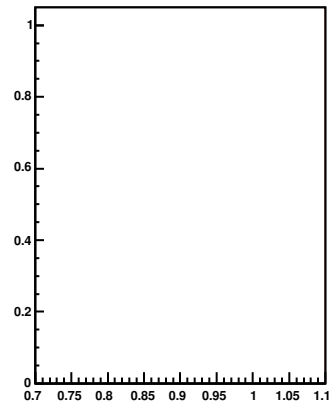
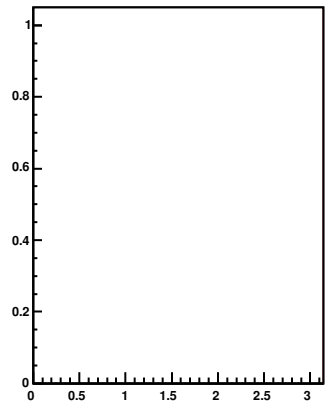


Zee-CMUP_CMU dilDphilike



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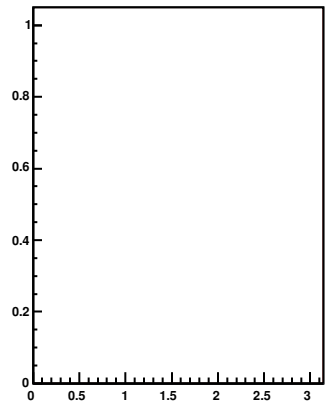

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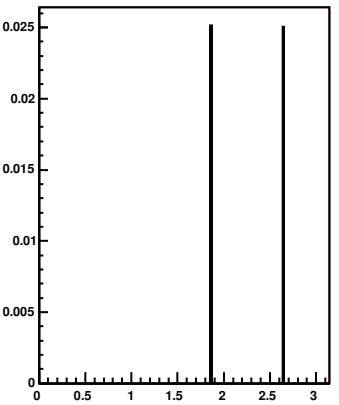
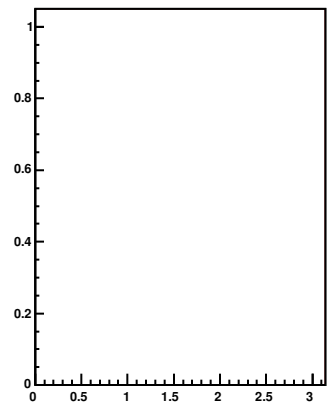
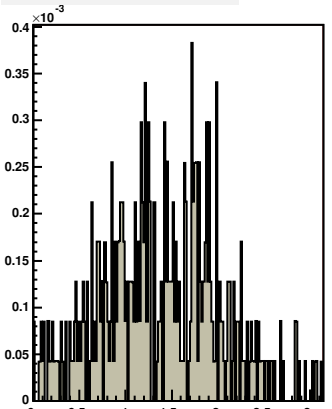


fake-CMUP_CMU dilDphilike



WZ-CMUP_CMU dilDphilike



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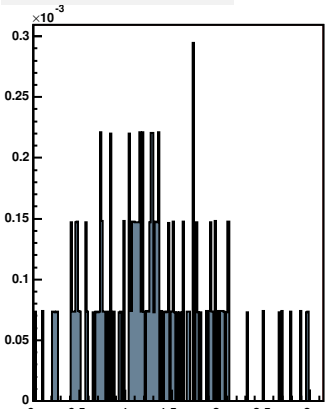

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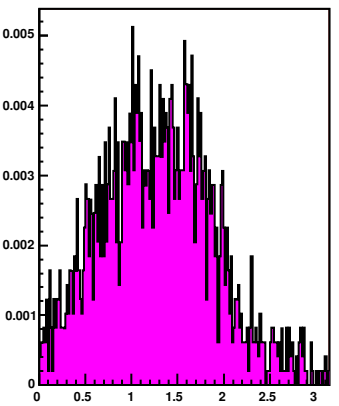
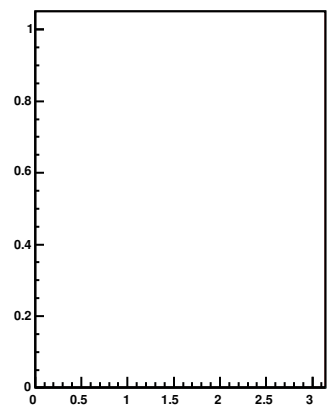


wgamma-CMUP_CMU dilDphilike



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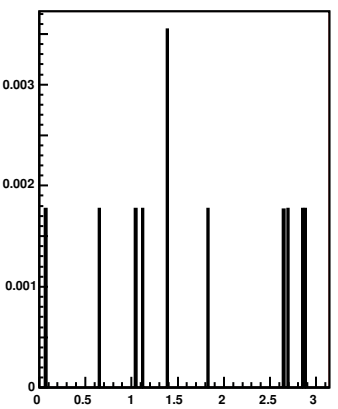
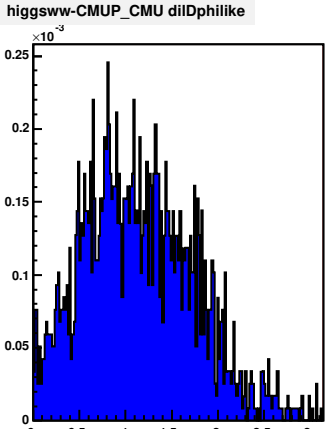


higgsww-CMUP_CMU dilDphilike



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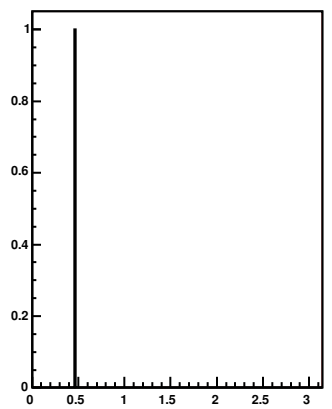
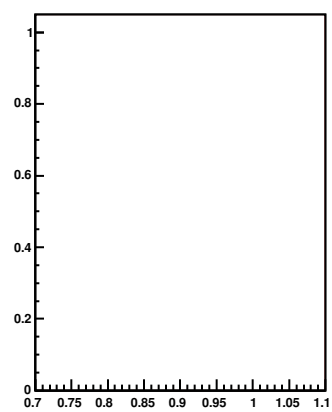


Zee-CMUP_CMU rawweight



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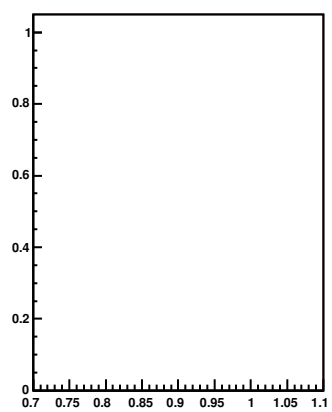

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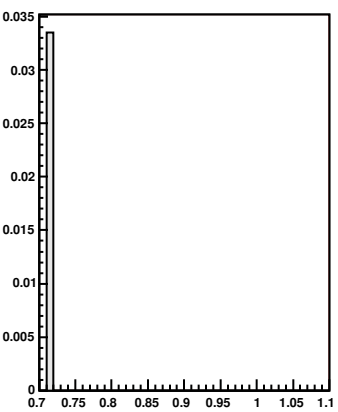
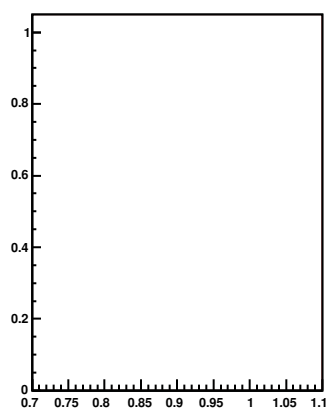


fake-CMUP_CMU rawweight



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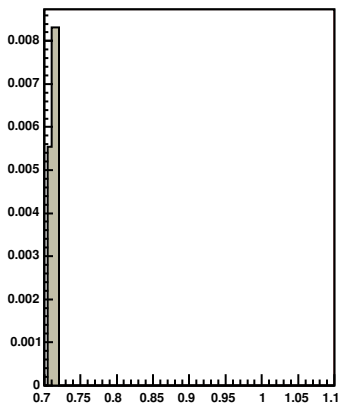
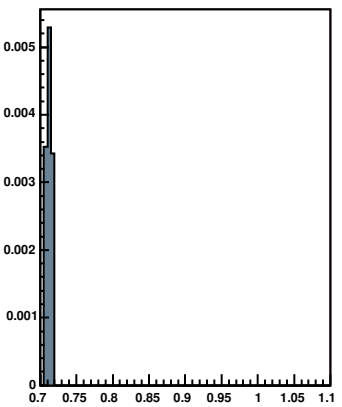


ZZ-CMUP_CMU rawweight



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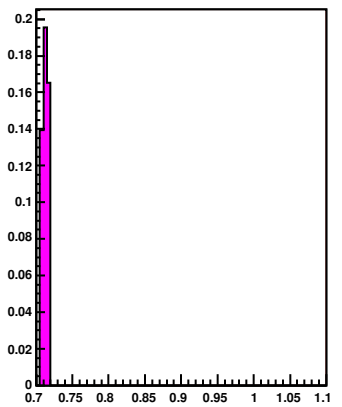
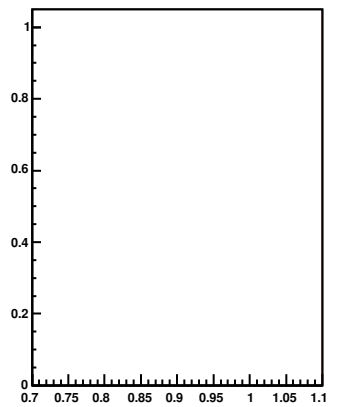
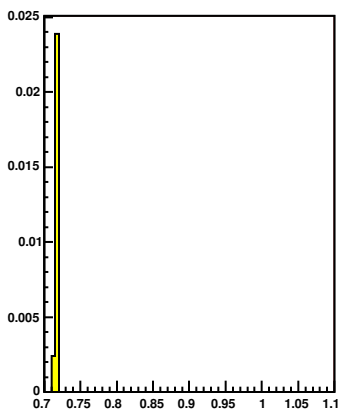


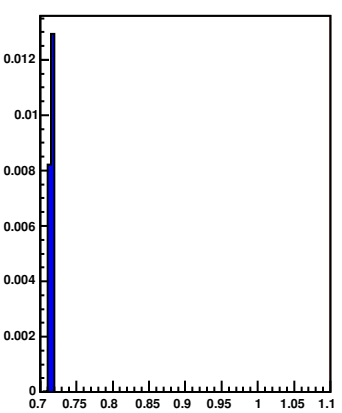
wgamma-CMUP_CMU rawweight



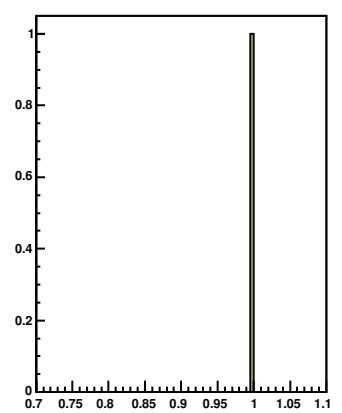
ttbar-CMUP_CMU rawweight



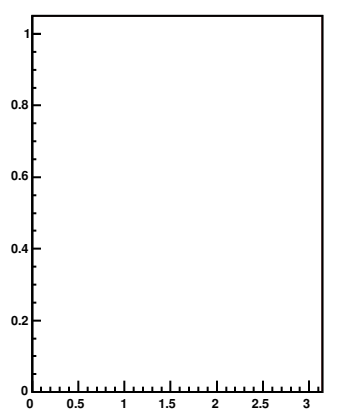
higgsww-CMUP_CMU rawweight



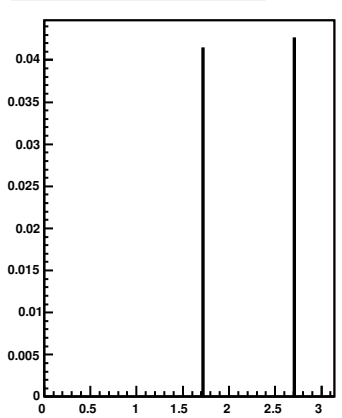
data-CMUP_CMU rawweight



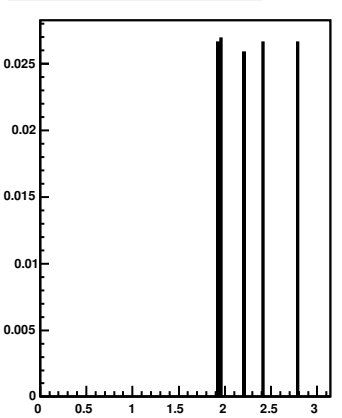
Zee-CMUP_CMP dilDphilike



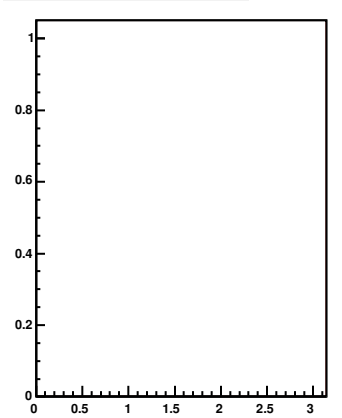
Zmumu-CMUP_CMP dilDphilike



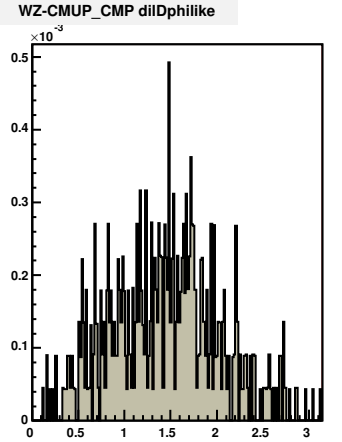
Ztautau-CMUP_CMP dilDphilike



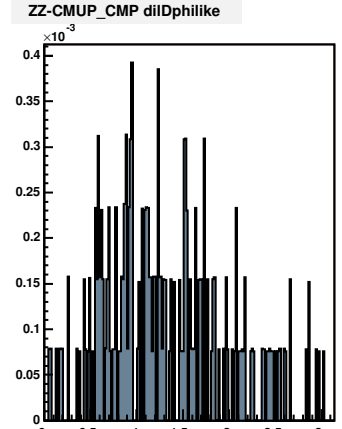
fake-CMUP_CMP dilDphilike



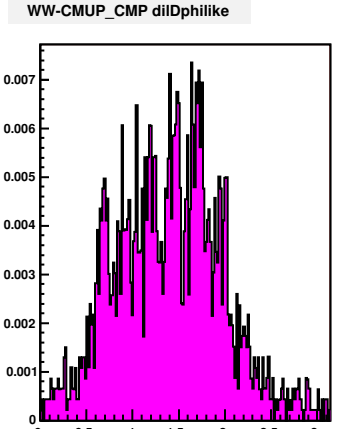
WZ-CMUP_CMP dilDphilike



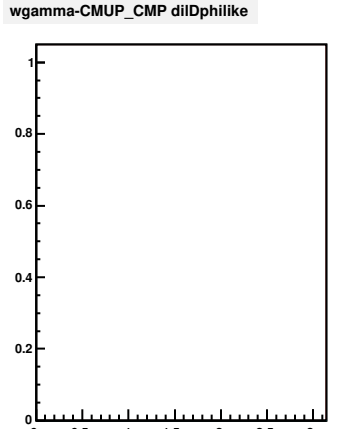
ZZ-CMUP_CMP dilDphilike



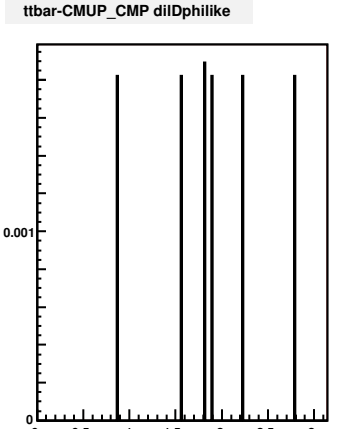
WW-CMUP_CMP dilDphilike



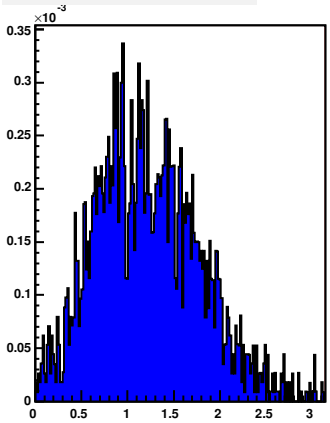
wgamma-CMUP_CMP dilDphilike



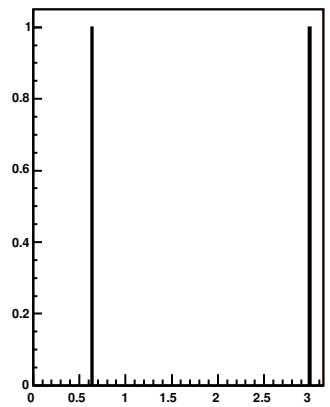
ttbar-CMUP_CMP dilDphilike



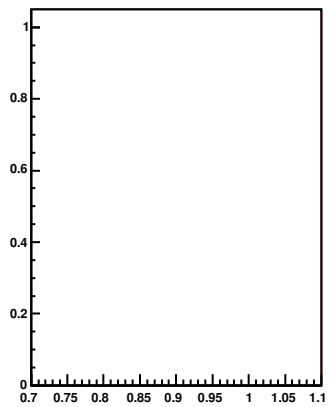
higgsww-CMUP_CMP dilDphilike



data-CMUP_CMP dilDphilike



Zee-CMUP_CMP rawweight



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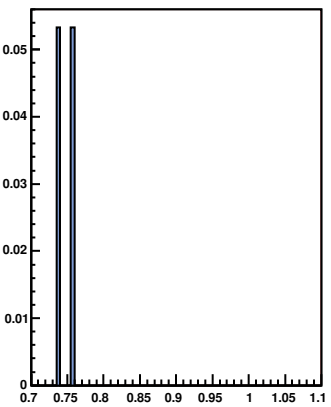

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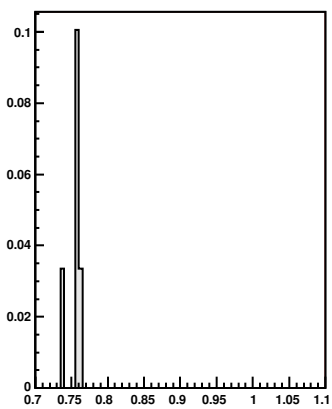

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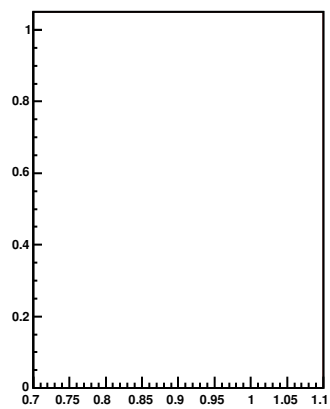

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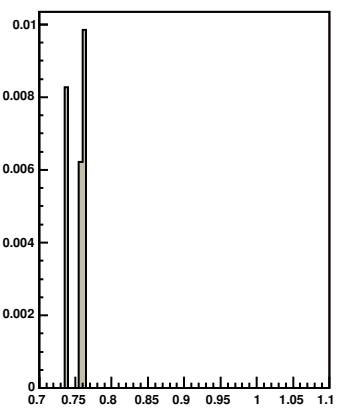

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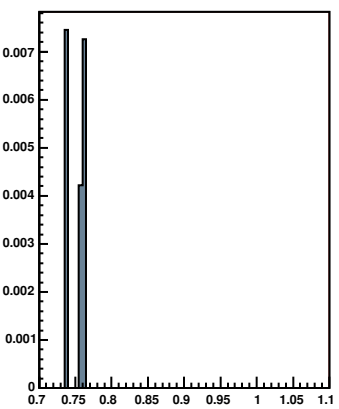

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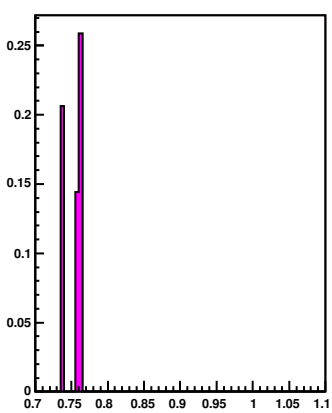

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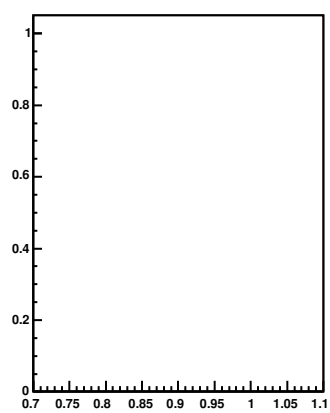

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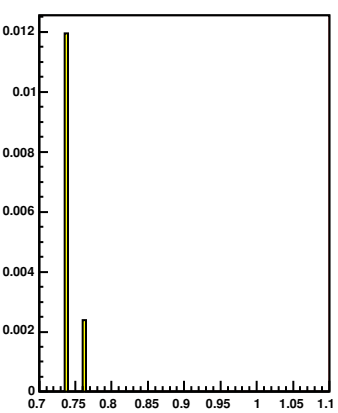

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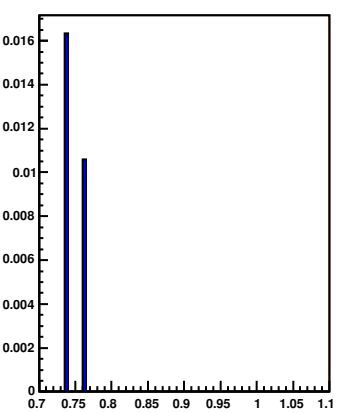

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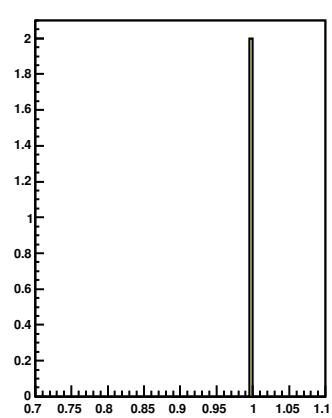
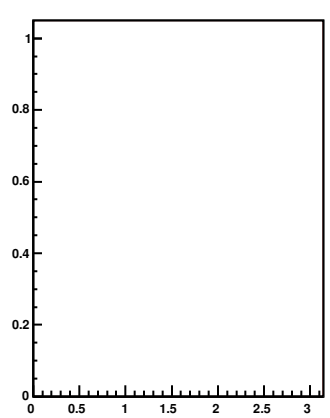
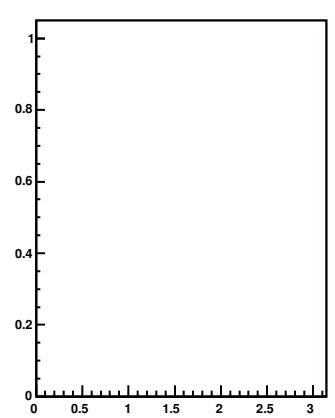


Zee-CMUP_CMX dilDphilike



Zmumu-CMUP_CMX dilDphilike



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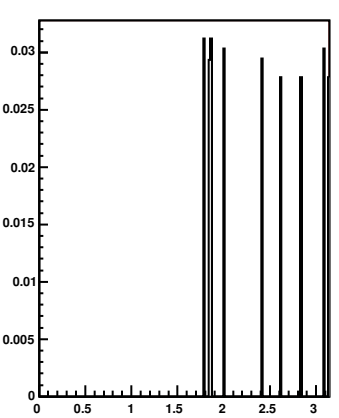
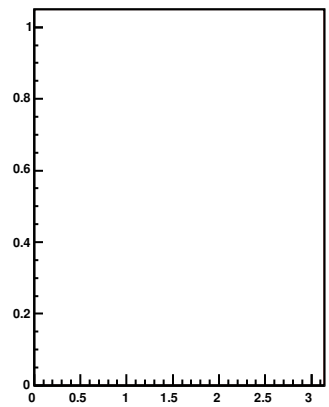
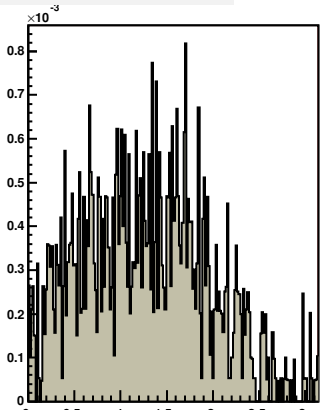


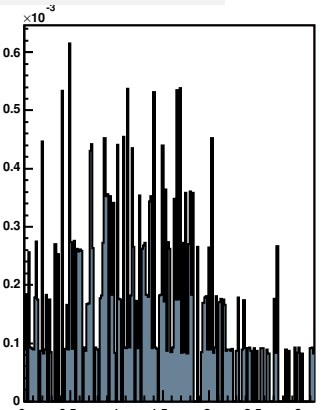
fake-CMUP_CMX dilDphilike



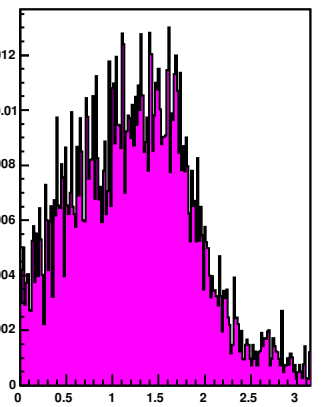
WZ-CMUP_CMX dilDphilike



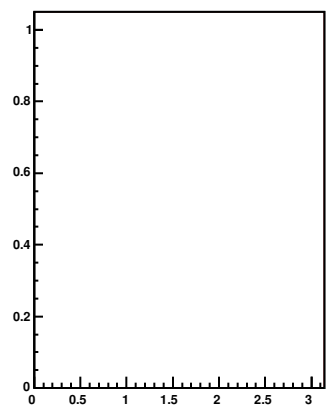
ZZ-CMUP_CMX dilDphilike



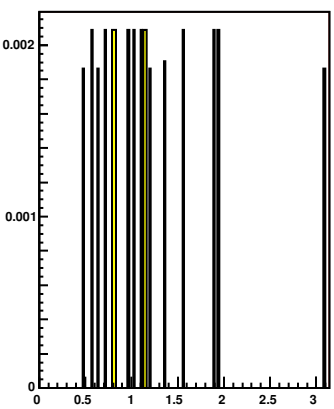
WW-CMUP_CMX dilDphilike



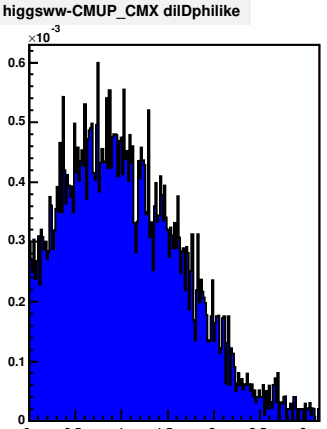
wgamma-CMUP_CMX dilDphilike



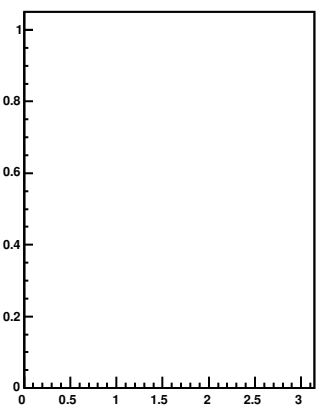
ttbar-CMUP_CMX dilDphilike



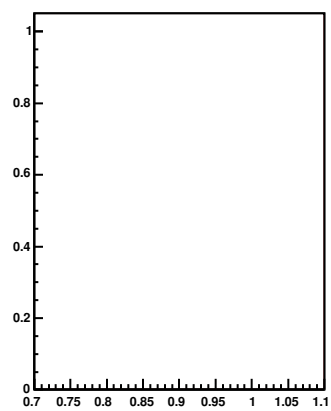
higgsww-CMUP_CMX dilDphilike



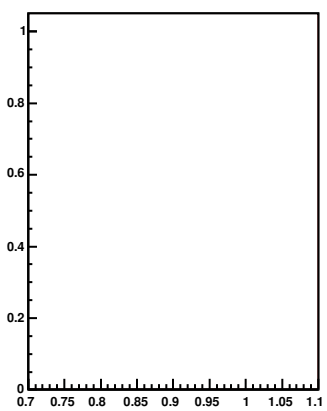
data-CMUP_CMX dilDphilike



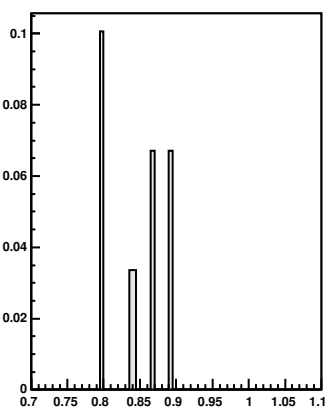
Zee-CMUP_CMX rawweight



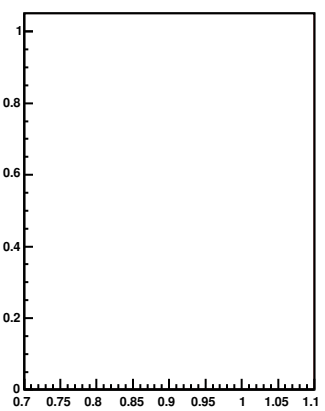
Zmumu-CMUP_CMX rawweight



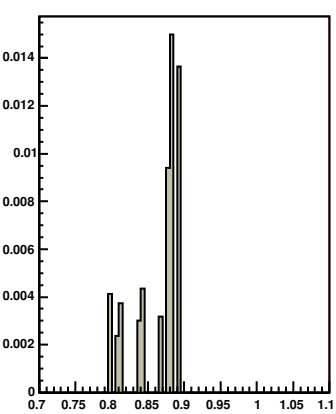
Ztautau-CMUP_CMX rawweight



fake-CMUP_CMX rawweight



WZ-CMUP_CMX rawweight



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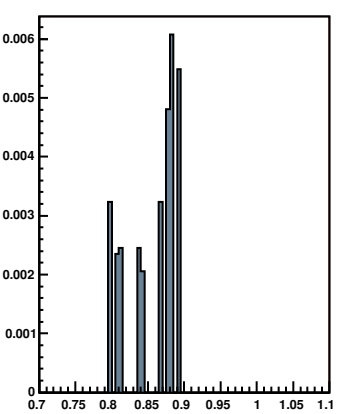
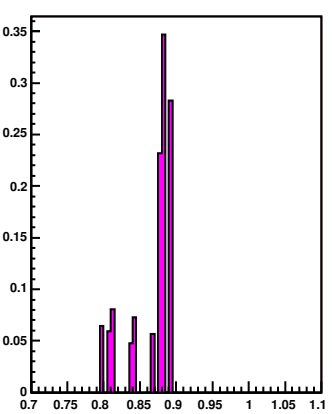
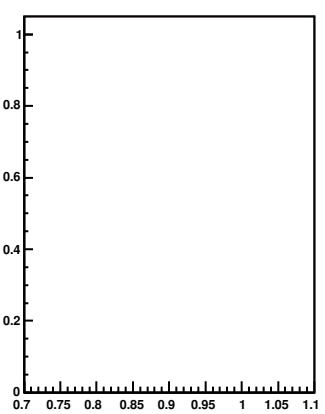


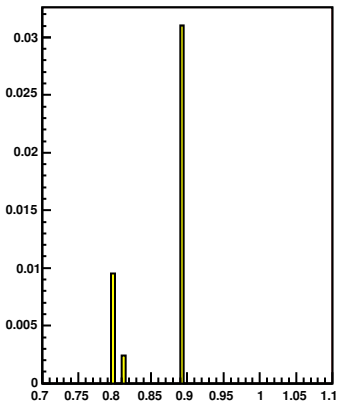
WW-CMUP_CMX rawweight



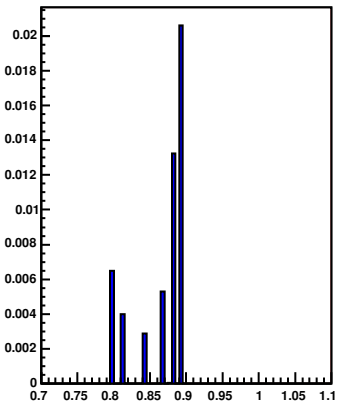
wgamma-CMUP_CMX rawweight



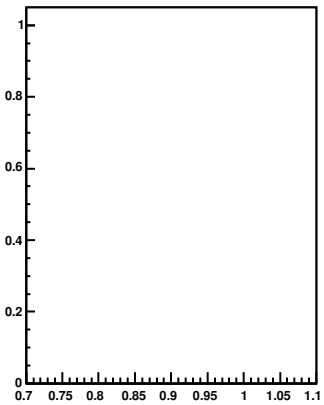
ttbar-CMUP_CMX rawweight



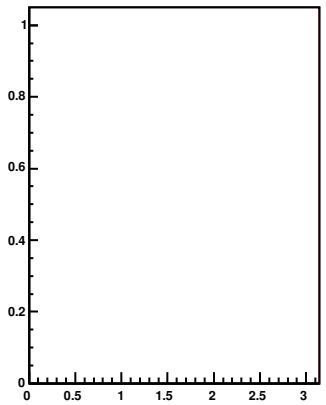
higgsww-CMUP_CMX rawweight



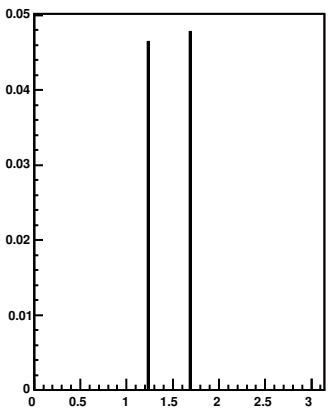
data-CMUP_CMX rawweight



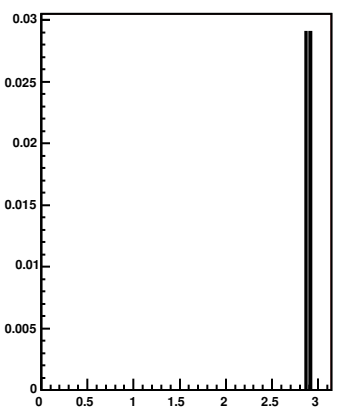
Zee-CMUP_CMIO dilDphilike



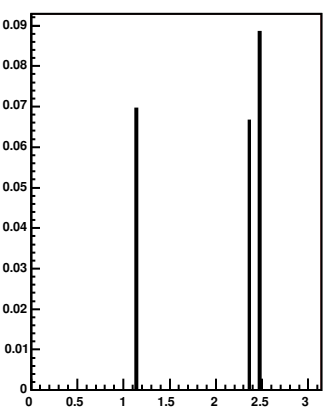
Zmumu-CMUP_CMIO dilDphilike



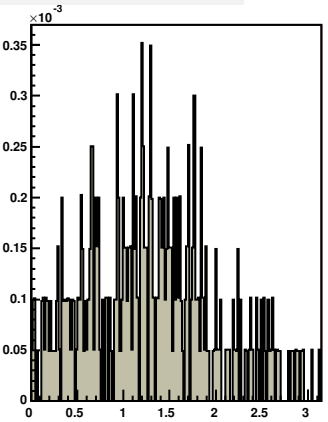
Ztautau-CMUP_CMIO dilDphilike



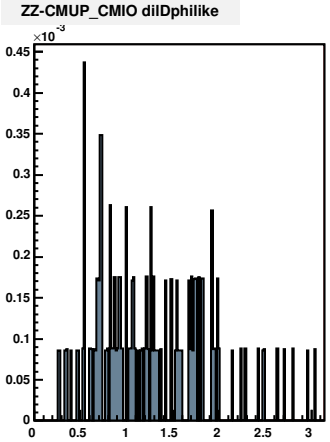
fake-CMUP_CMIO dilDphilike



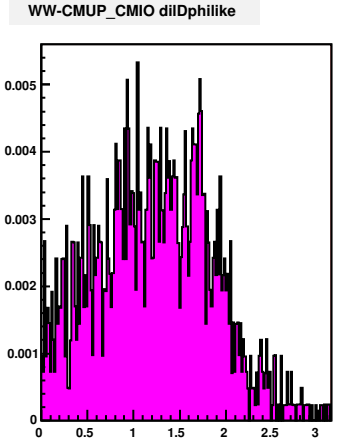
WZ-CMUP_CMIO dilDphilike



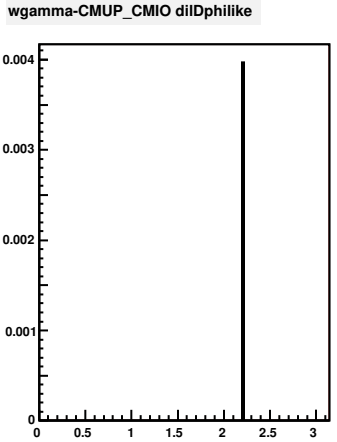
ZZ-CMUP_CMIO dilDphilike



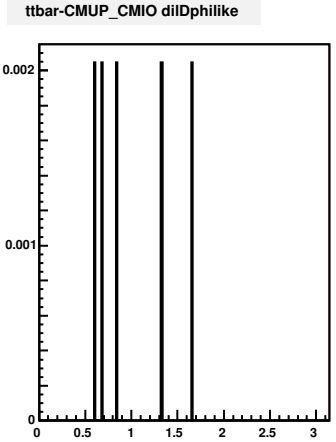
WW-CMUP_CMIO dilDphilike



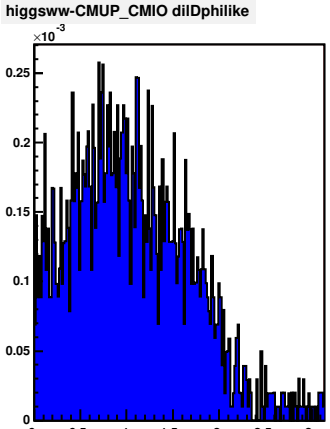
wgamma-CMUP_CMIO dilDphilike



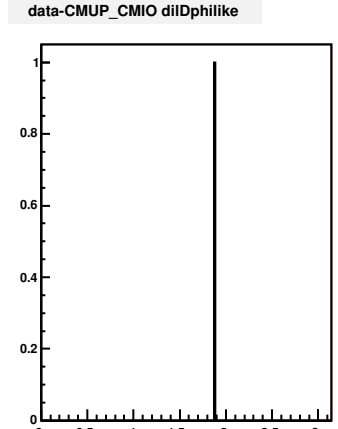
ttbar-CMUP_CMIO dilDphilike



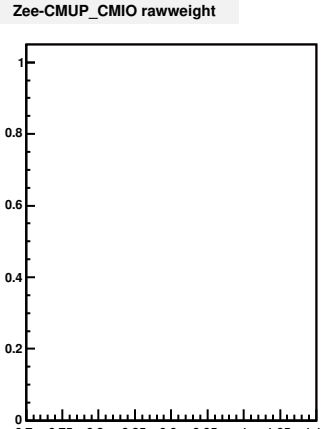
higgsww-CMUP_CMIO dilDphilike



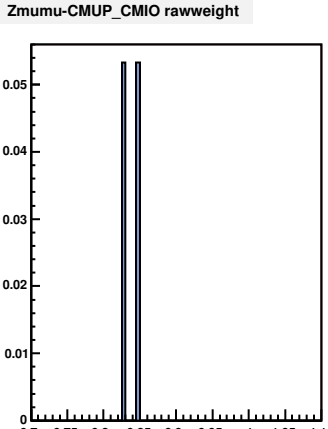
data-CMUP_CMIO dilDphilike



Zee-CMUP_CMIO rawweight



Zmumu-CMUP_CMIO rawweight



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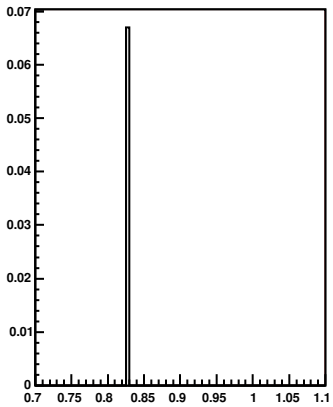
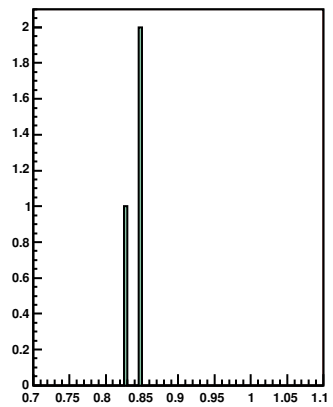
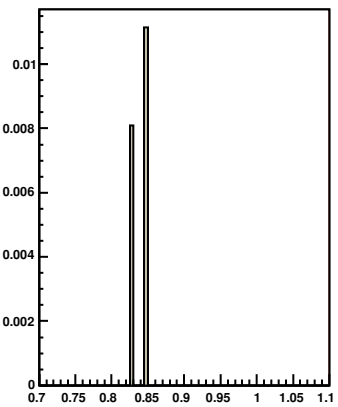


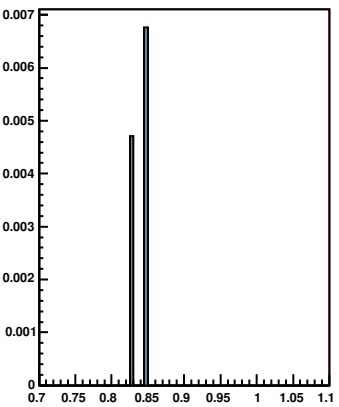
fake-CMUP_CMIO rawweight



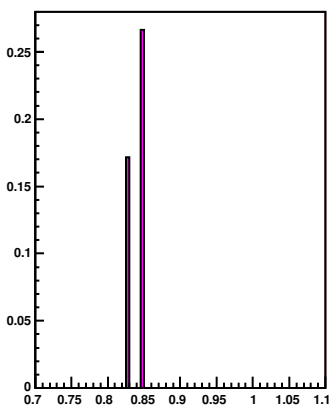
WZ-CMUP_CMIO rawweight



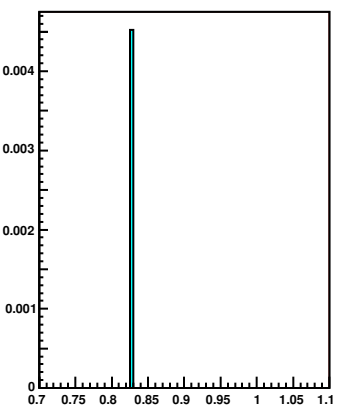
ZZ-CMUP_CMIO rawweight



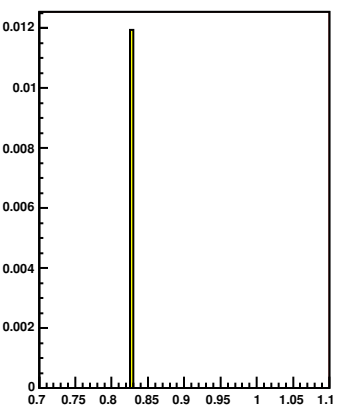
WW-CMUP_CMIO rawweight



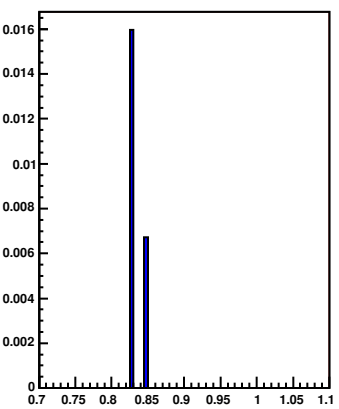
wgamma-CMUP_CMIO rawweight



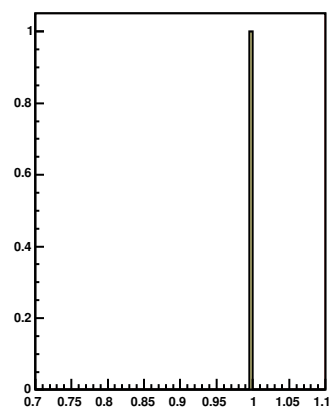
ttbar-CMUP_CMIO rawweight



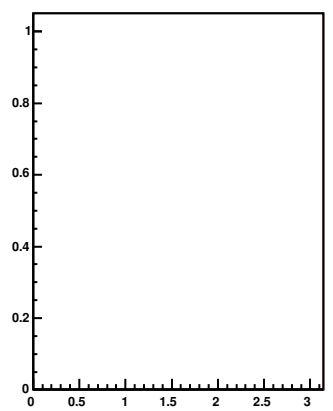
higgsww-CMUP_CMIO rawweight



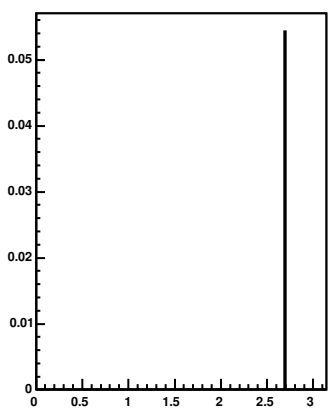
data-CMUP_CMIO rawweight



Zee-CMX_CMX dilDphilike



Zmumu-CMX_CMX dilDphilike



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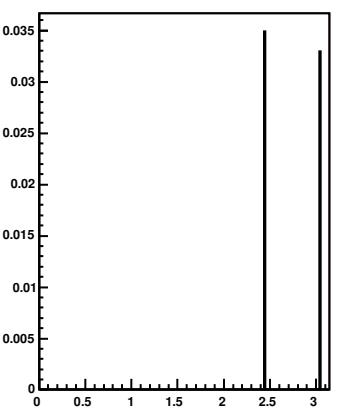

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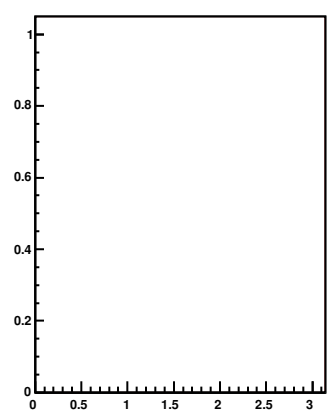
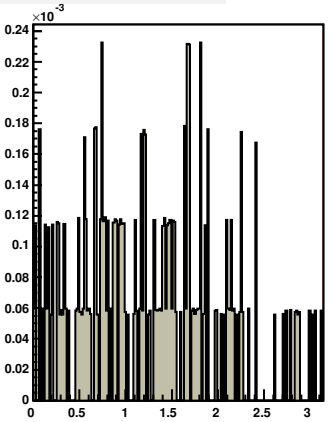
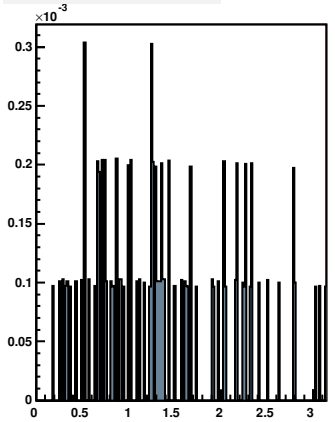


WZ-CMX_CMX dilDphilike



ZZ-CMX_CMX dilDphilike



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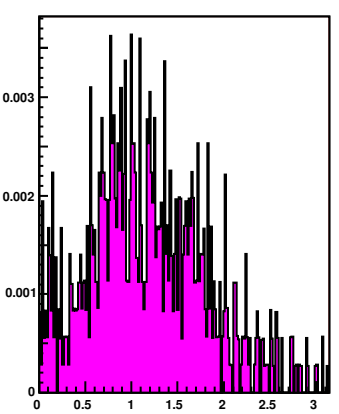

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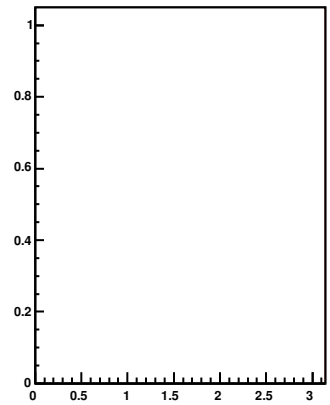
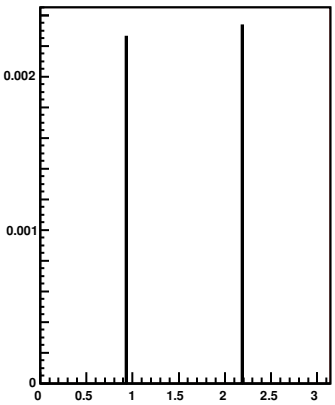
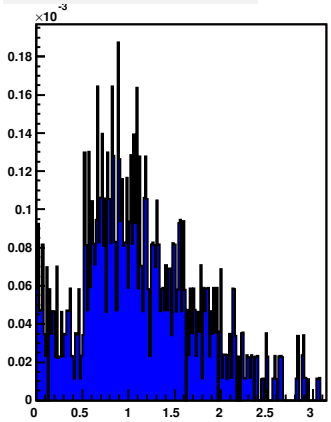


ttbar-CMX_CMX dilDphilike



higgsww-CMX_CMX dilDphilike



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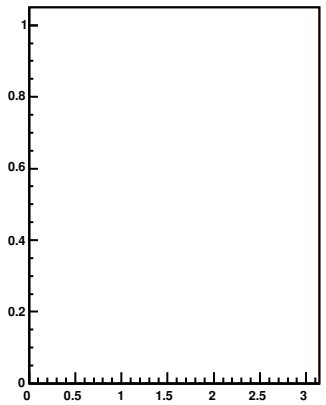
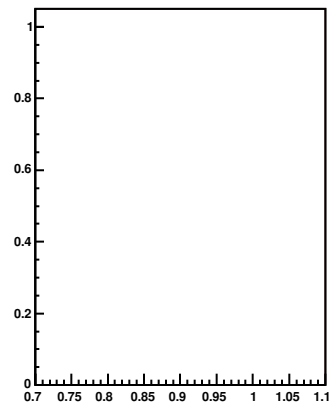


Zee-CMX_CMX rawweight



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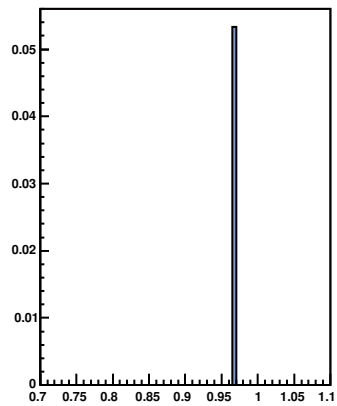

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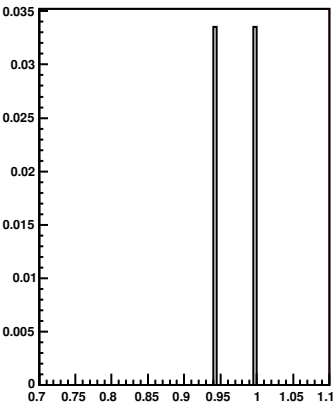
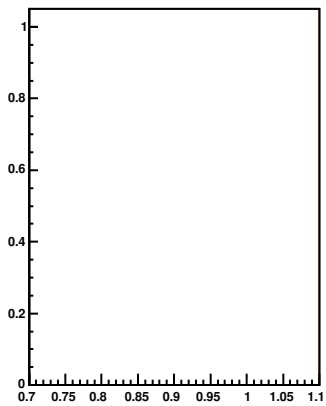


fake-CMX_CMX rawweight



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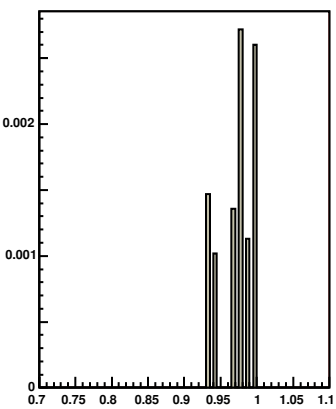

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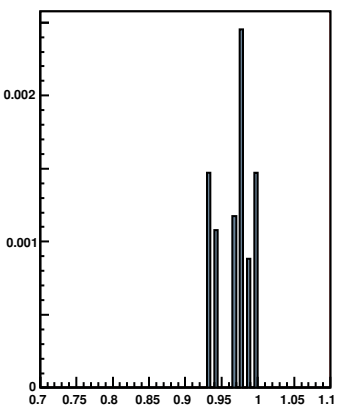

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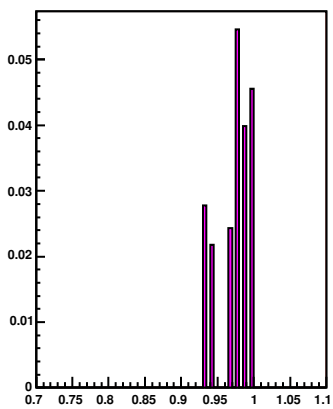

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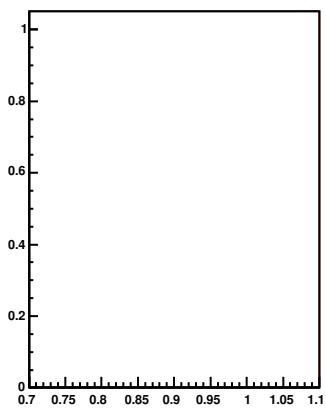
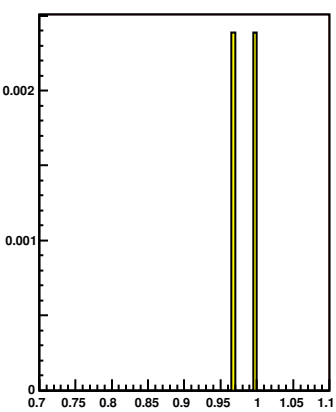
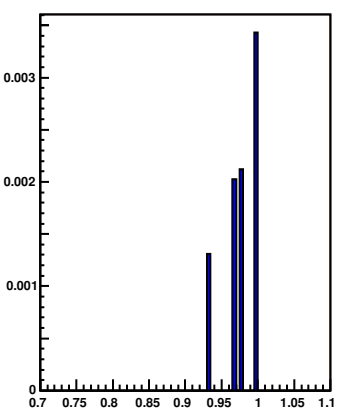


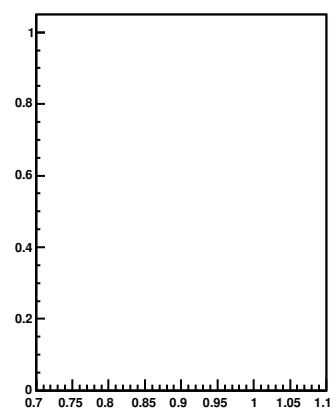
ttbar-CMX_CMX rawweight



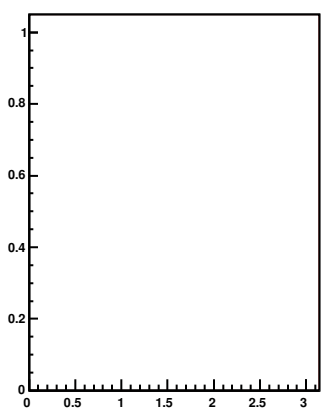
higgsww-CMX_CMX rawweight



data-CMX_CMX rawweight



Zee-CMX_CMU dilDphilike



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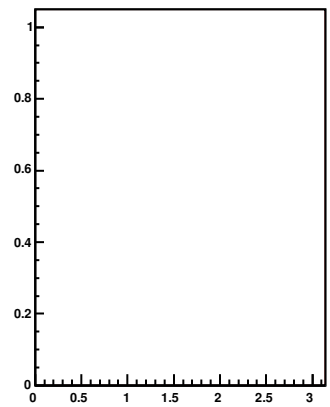

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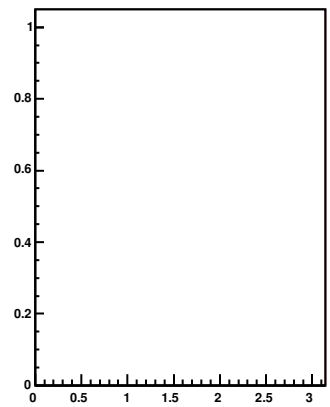
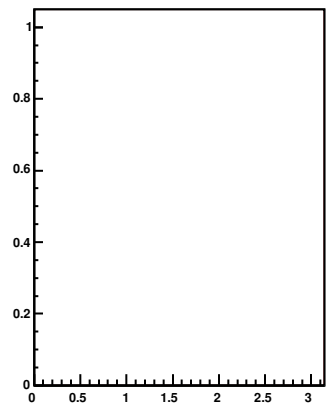
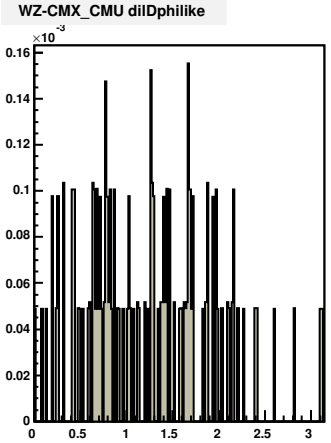


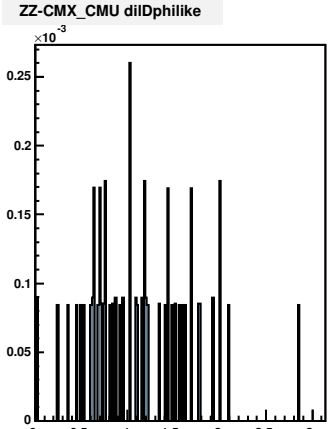
fake-CMX_CMU dilDphilike



WZ-CMX_CMU dilDphilike



ZZ-CMX_CMU dilDphilike



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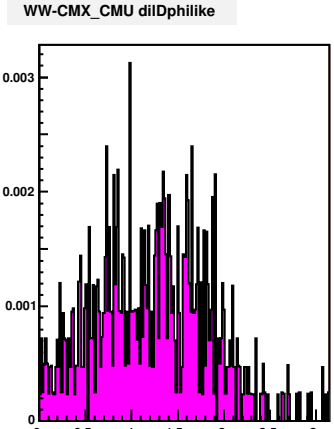
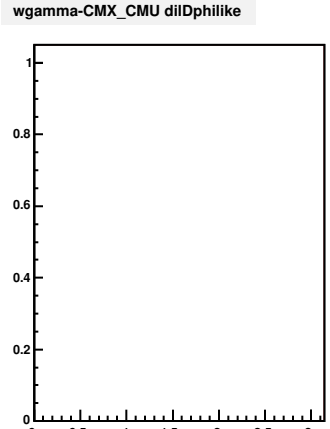
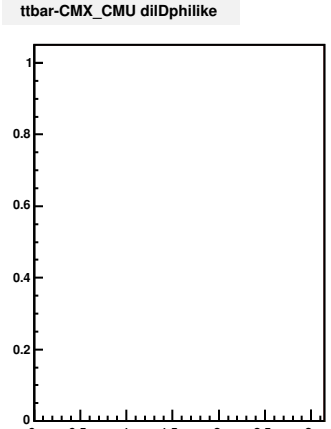


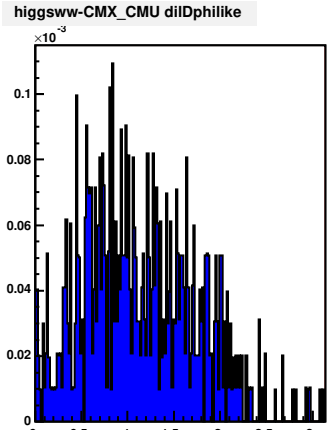
wgamma-CMX_CMU dilDphilike



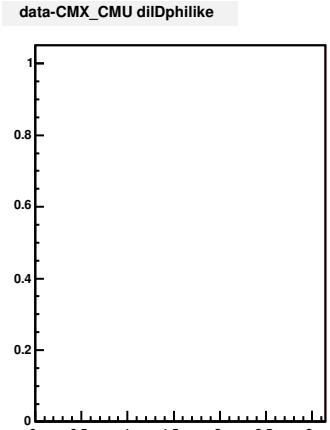
ttbar-CMX_CMU dilDphilike



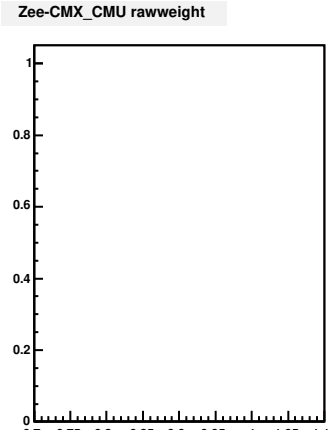
higgsww-CMX_CMU dilDphilike



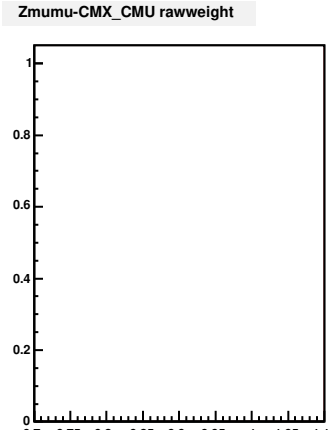
data-CMX_CMU dilDphilike



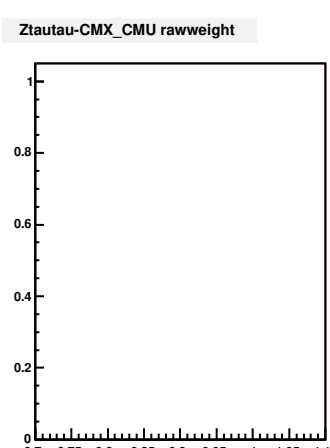
Zee-CMX_CMU rawweight



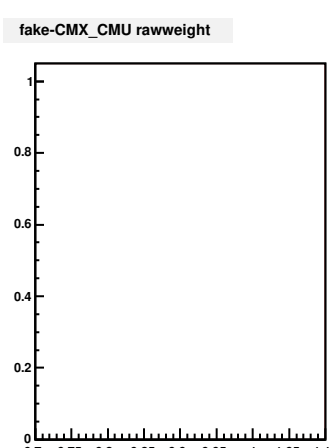
Zmumu-CMX_CMU rawweight



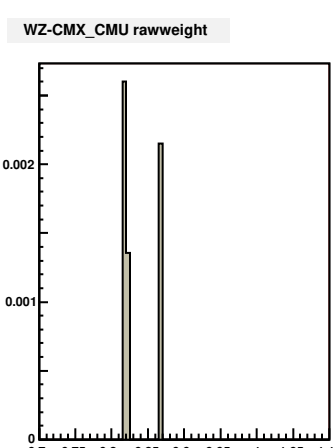
Ztautau-CMX_CMU rawweight



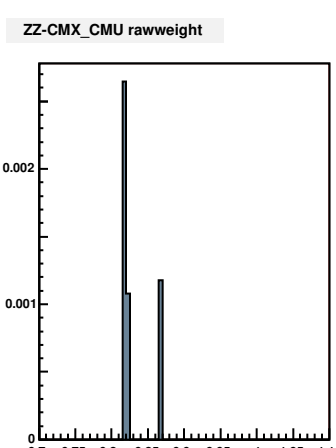
fake-CMX_CMU rawweight



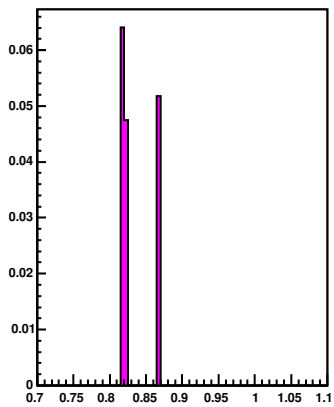
WZ-CMX_CMU rawweight



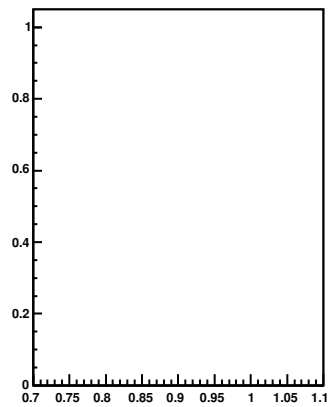
ZZ-CMX_CMU rawweight



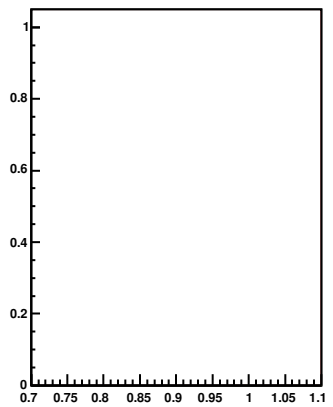
WW-CMX_CMU rawweight



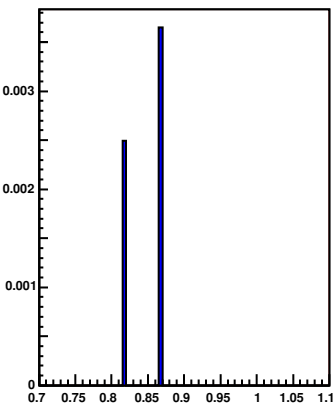
wgamma-CMX_CMU rawweight



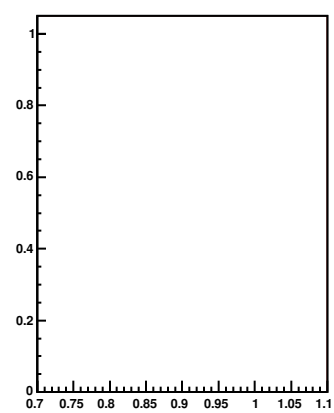
ttbar-CMX_CMU rawweight



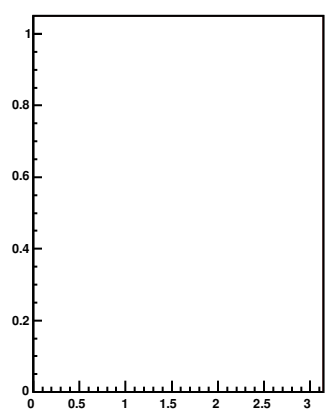
higgsww-CMX_CMU rawweight



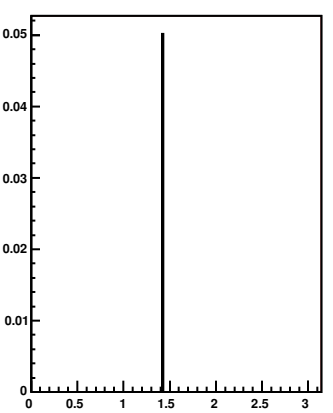
data-CMX_CMU rawweight



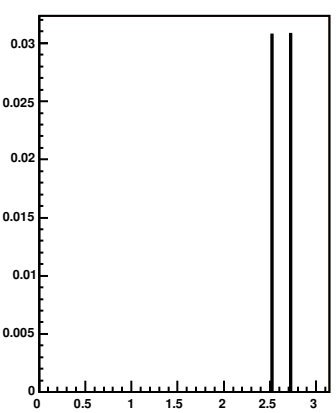
Zee-CMX_CMP dilDphilike



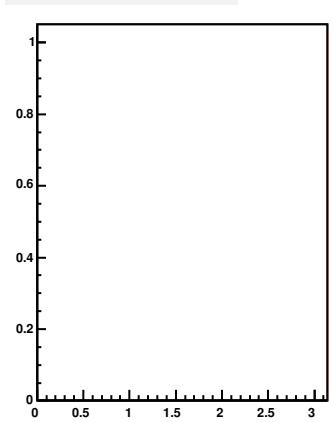
Zmumu-CMX_CMP dilDphilike



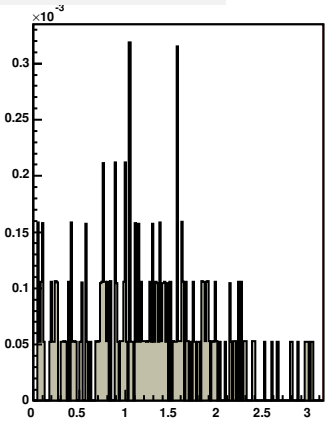
Ztautau-CMX_CMP dilDphilike



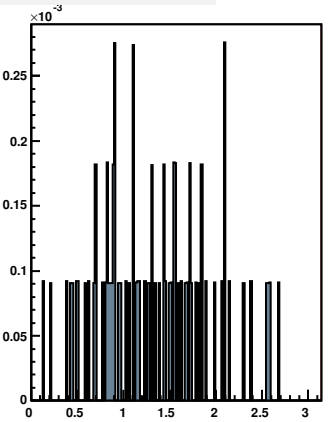
fake-CMX_CMP dilDphilike



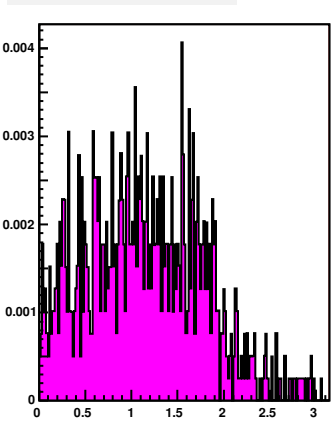
WZ-CMX_CMP dilDphilike



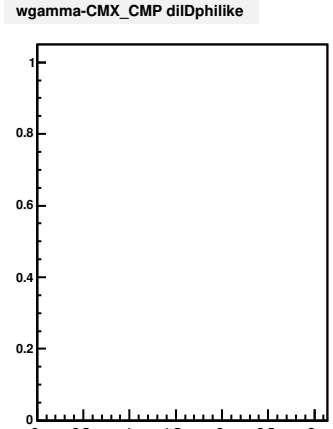
ZZ-CMX_CMP dilDphilike



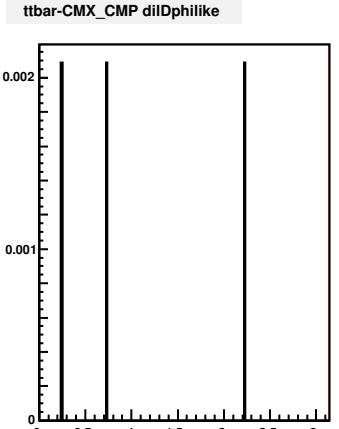
WW-CMX_CMP dilDphilike



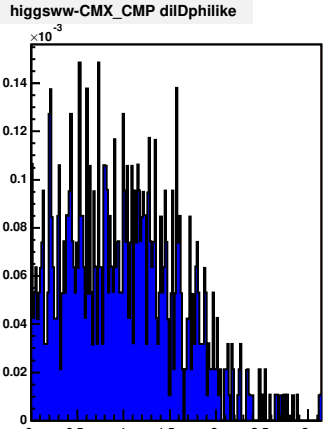
wgamma-CMX_CMP dilDphilike



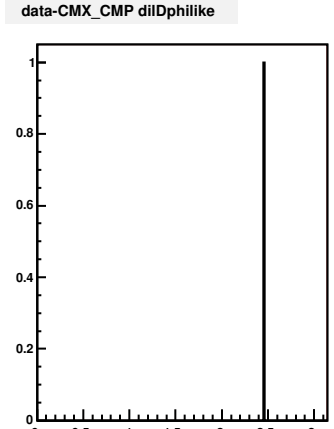
ttbar-CMX_CMP dilDphilike



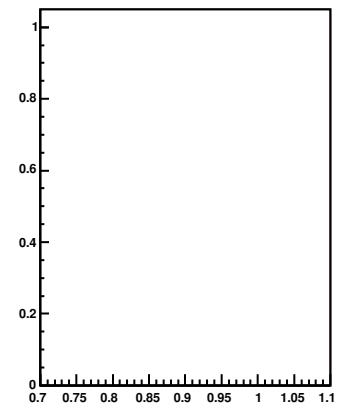
higgsww-CMX_CMP dilDphilike



data-CMX_CMP dilDphilike



Zee-CMX_CMP rawweight



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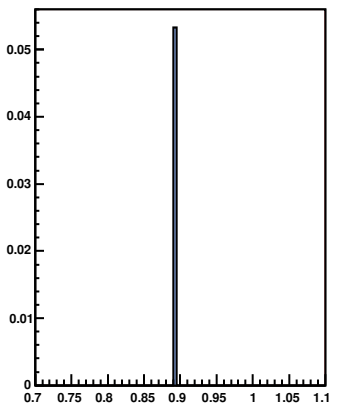

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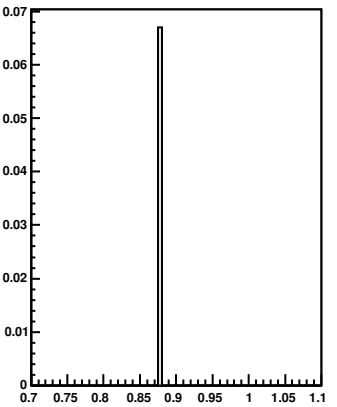

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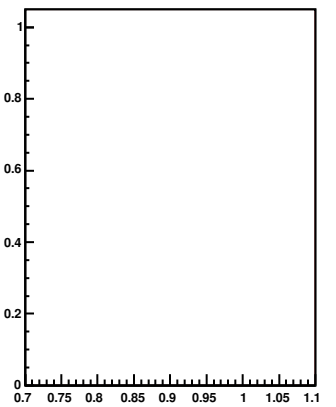

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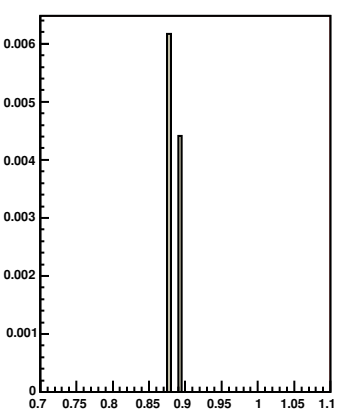

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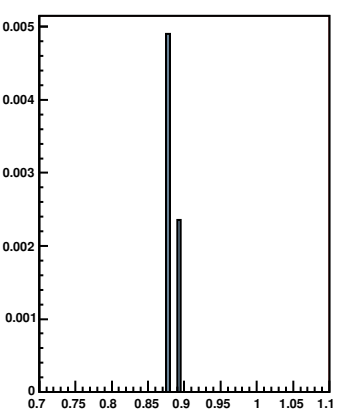

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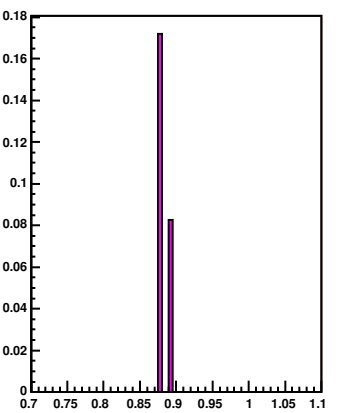

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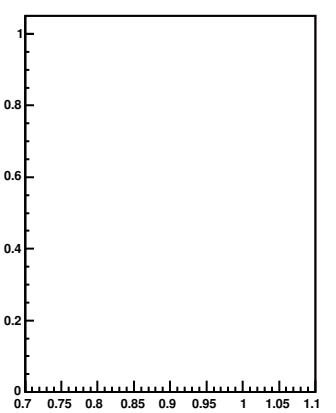

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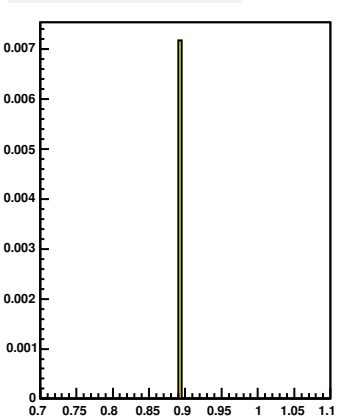

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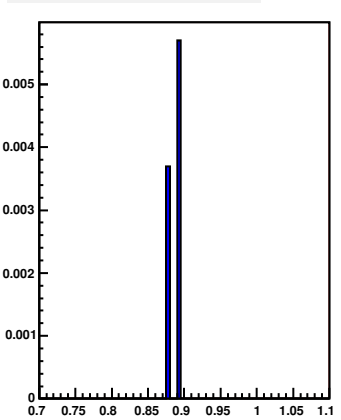

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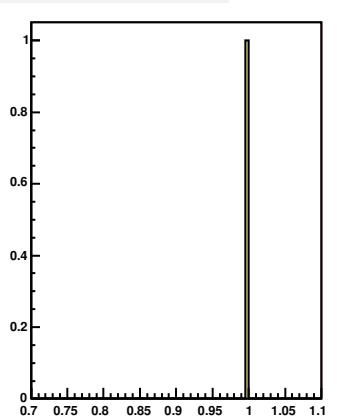
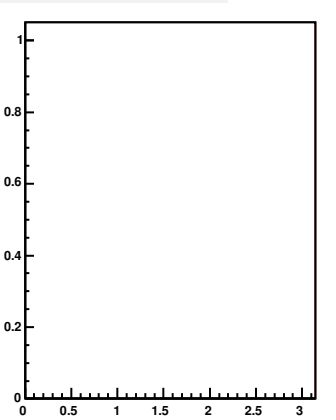


Zee-CMX_CMIO dilDphilike



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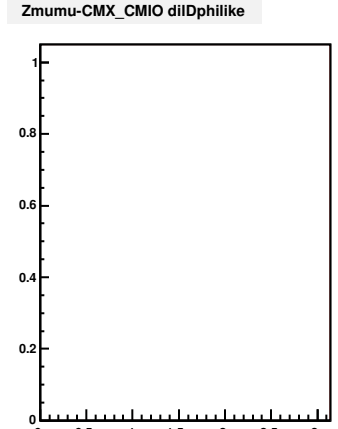

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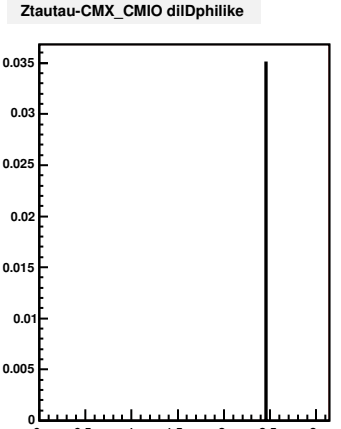
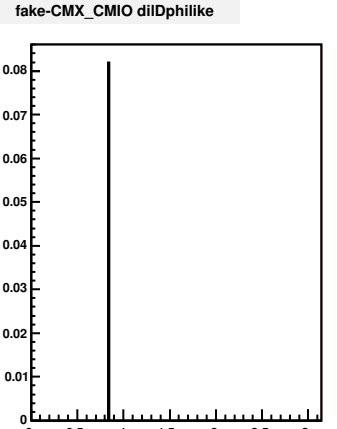
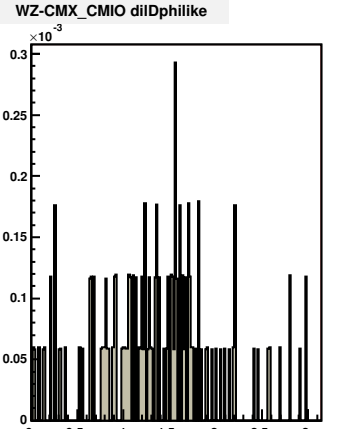


fake-CMX_CMIO dilDphilike



WZ-CMX_CMIO dilDphilike



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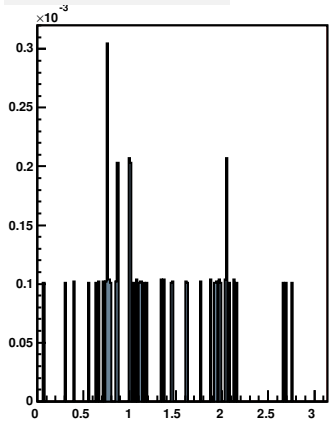

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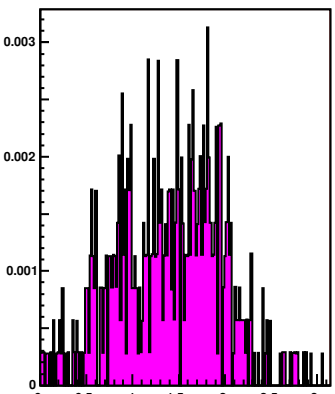

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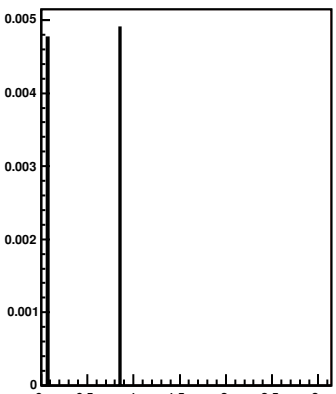

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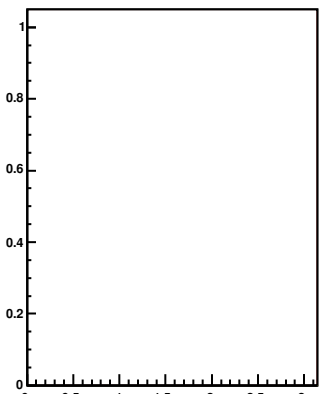
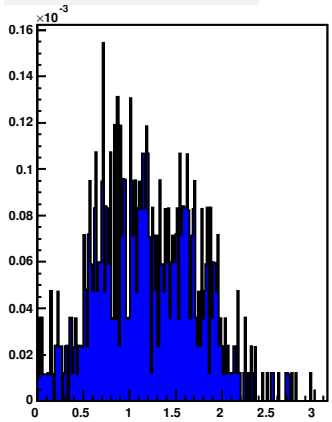


higgsww-CMX_CMIO dilDphilike



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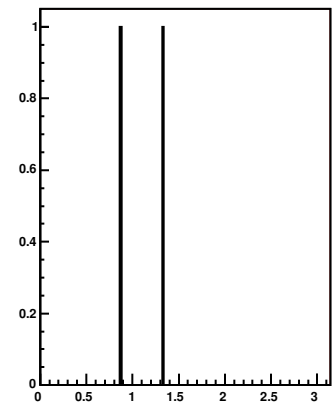

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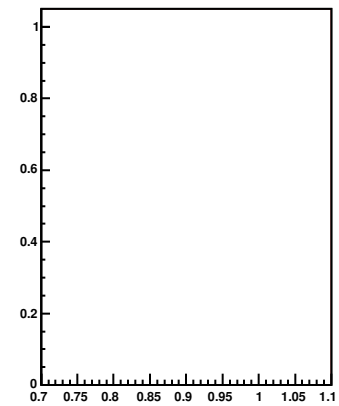

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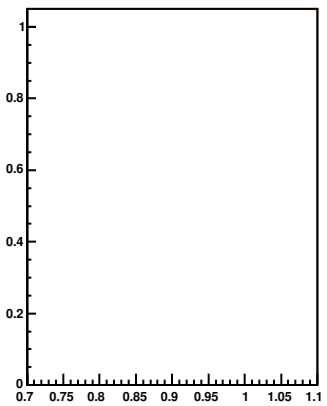

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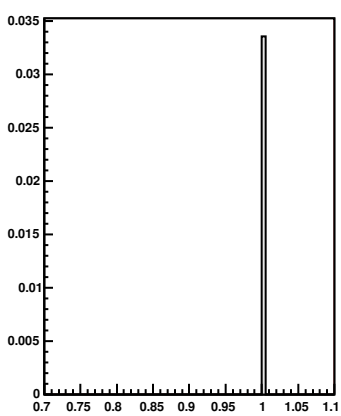
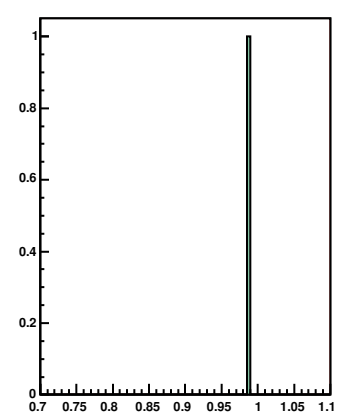


fake-CMX_CMIO rawweight



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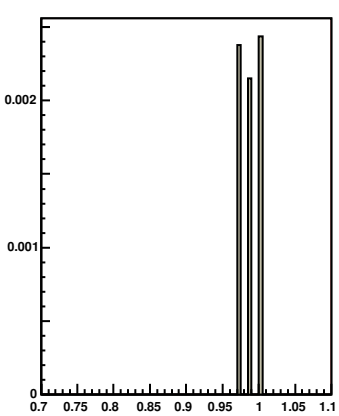

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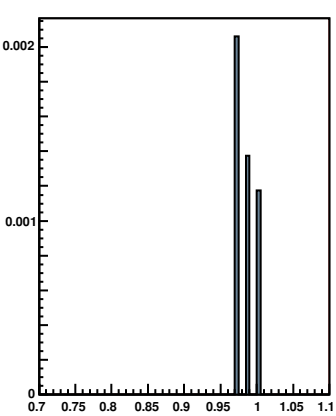

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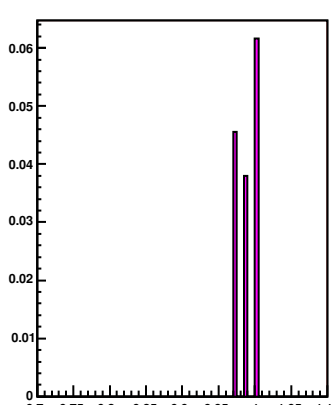

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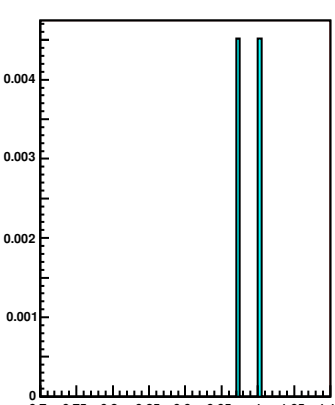

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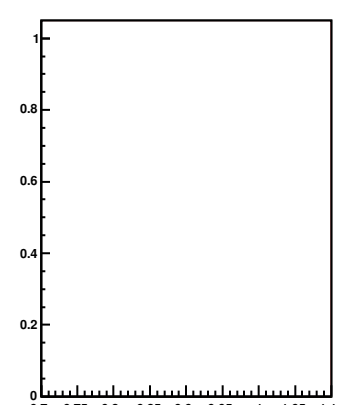

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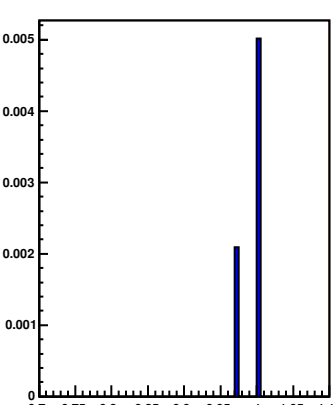
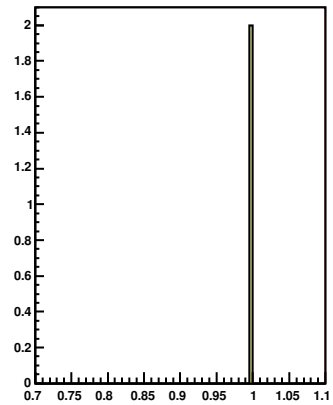
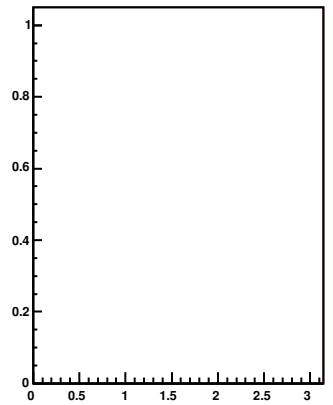


data-CMX_CMIO rawweight



Zee-trilep dilDphilike



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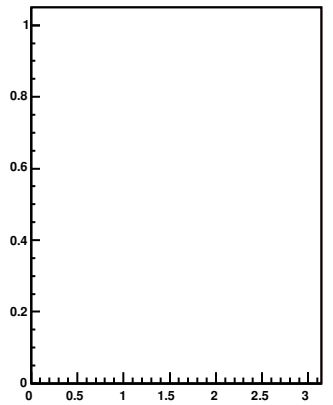

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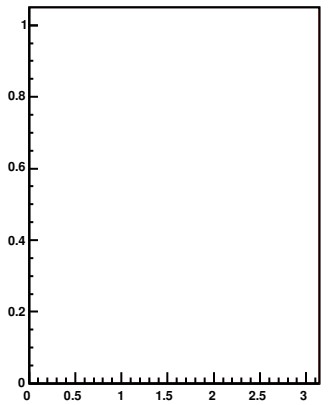
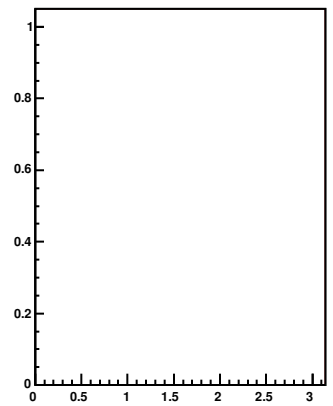


fake-trilep dilDphilike



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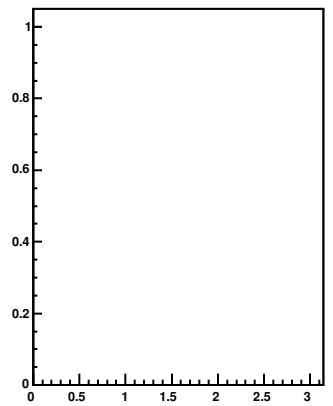

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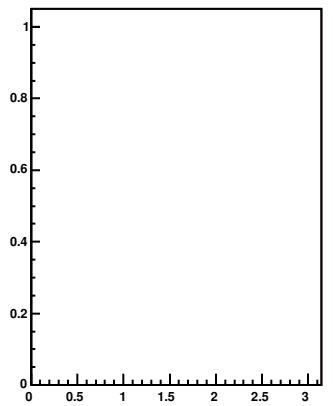

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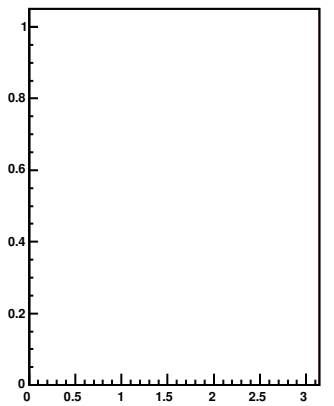
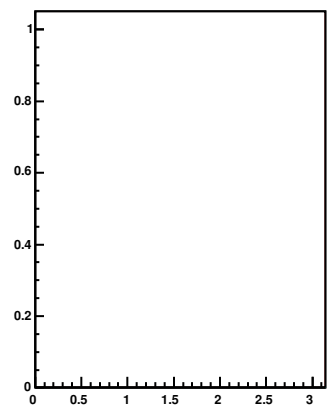
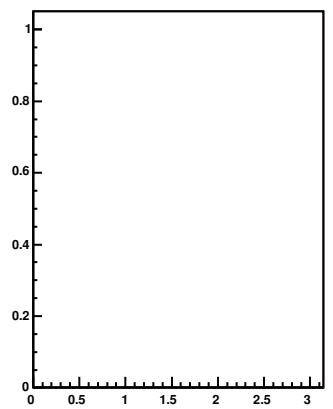


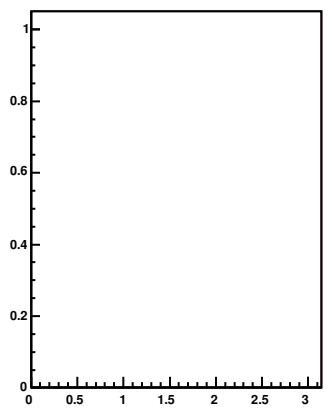
wgamma-trilep dilDphilike



ttbar-trilep dilDphilike



higgsww-trilep dilDphilike



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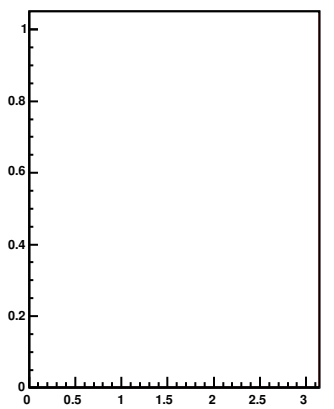
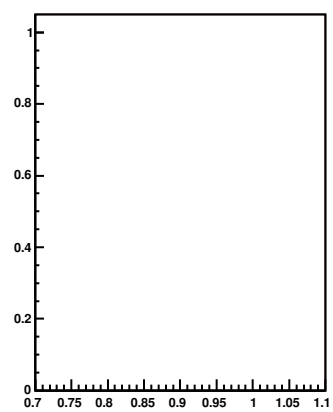


Zee-trilep rawweight



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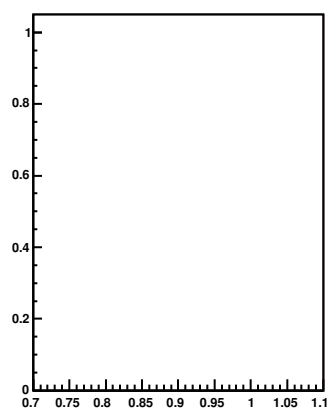

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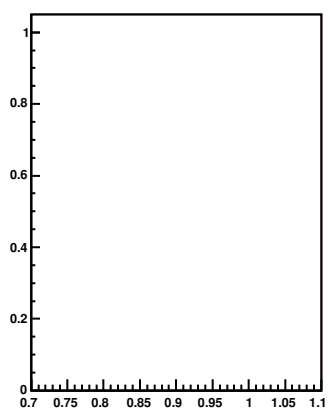
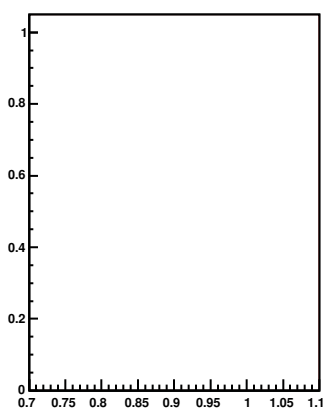
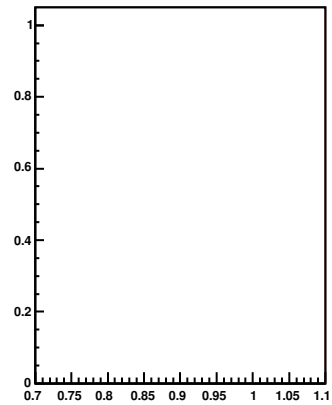


fake-trilep rawweight



WZ-trilep rawweight



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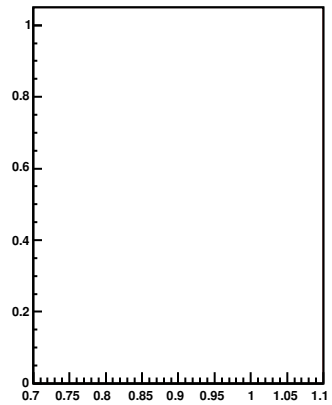

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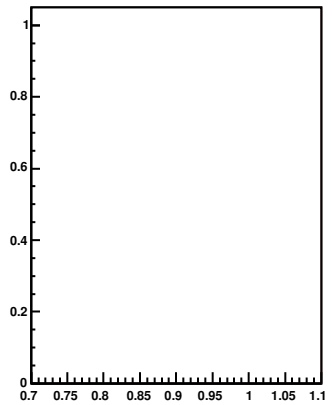
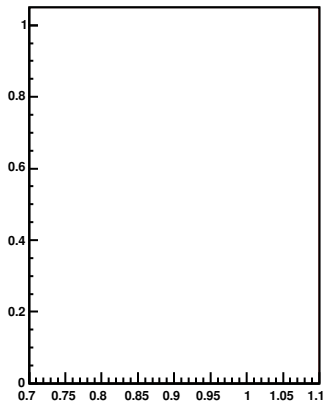
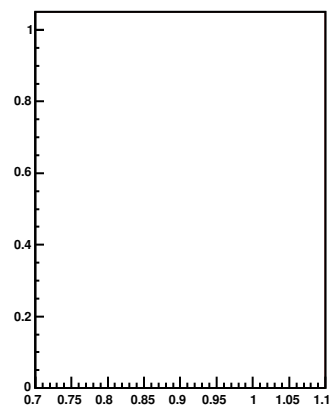


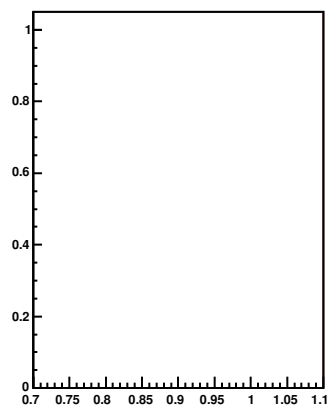
wgamma-trilep rawweight



ttbar-trilep rawweight



higgsww-trilep rawweight



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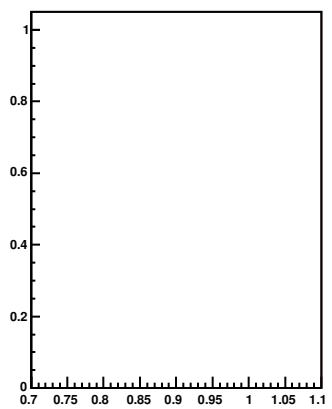

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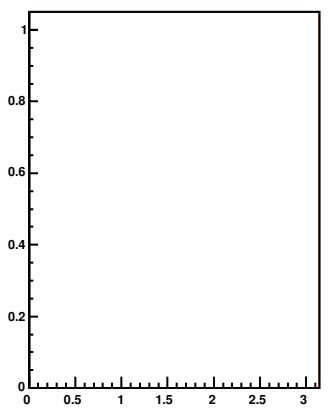

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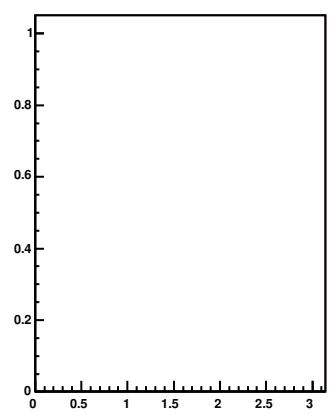

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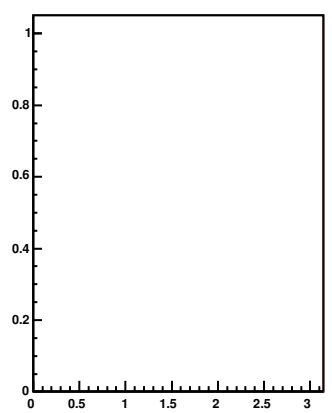

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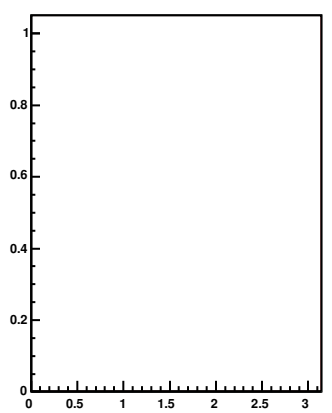

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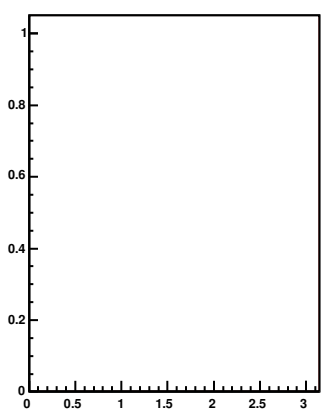

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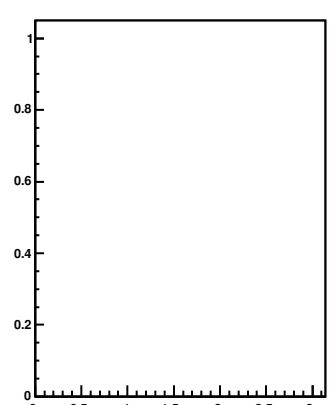

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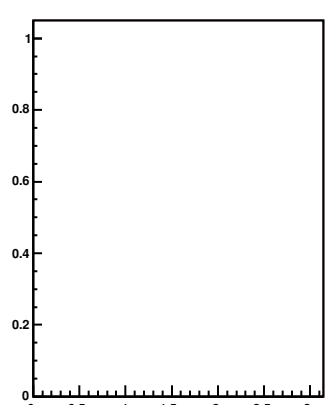

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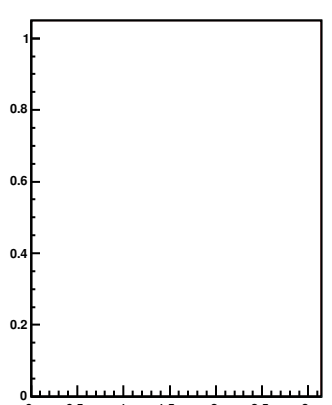

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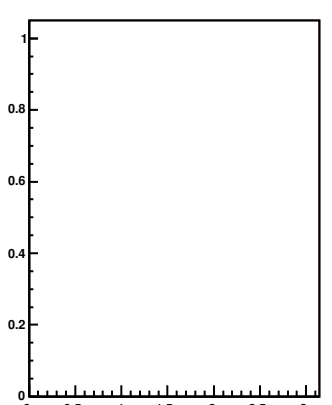

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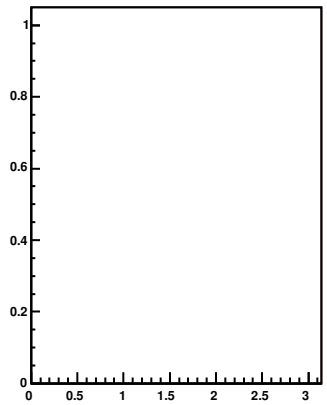

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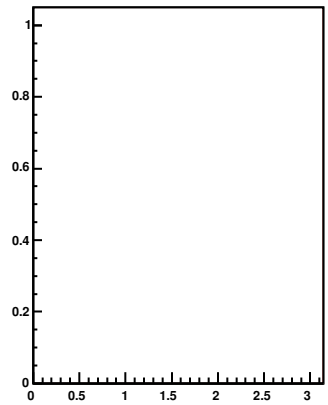

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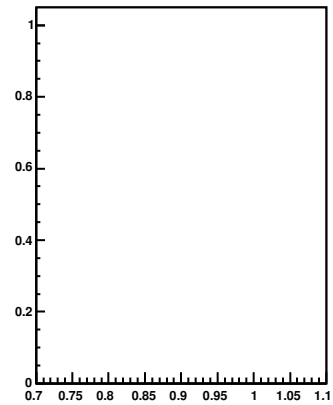

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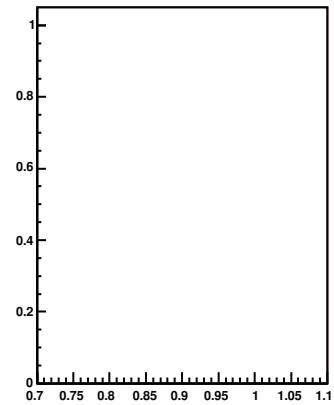

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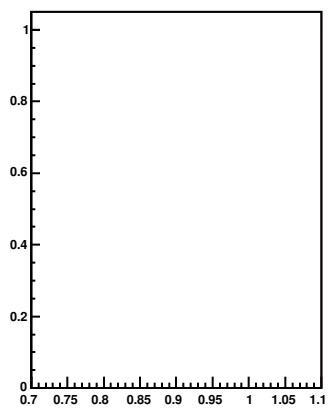

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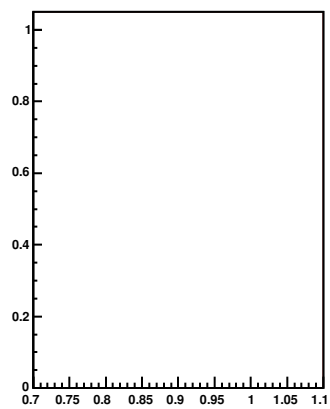

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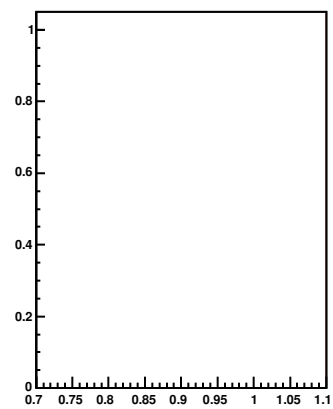

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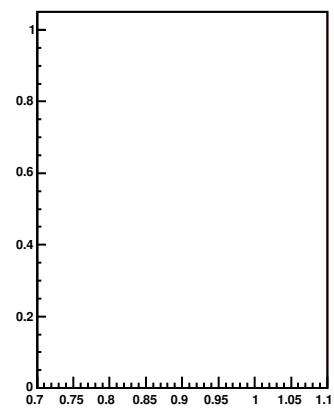

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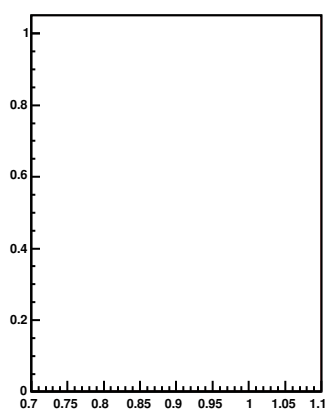

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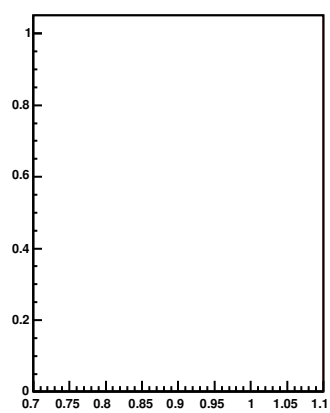

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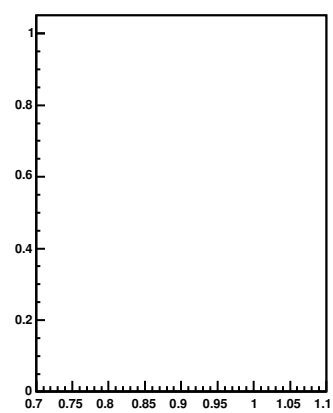

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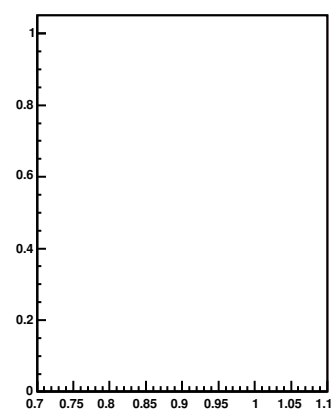

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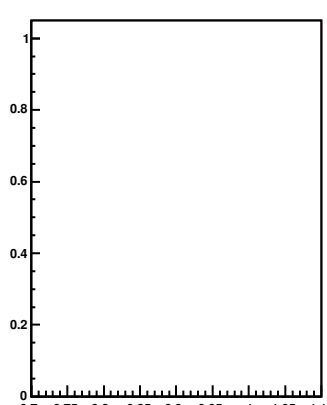

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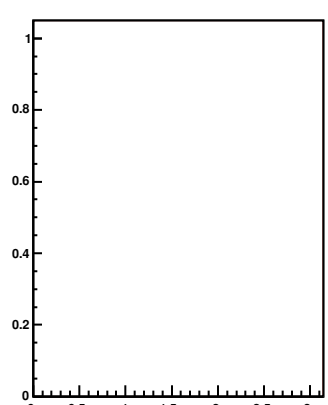

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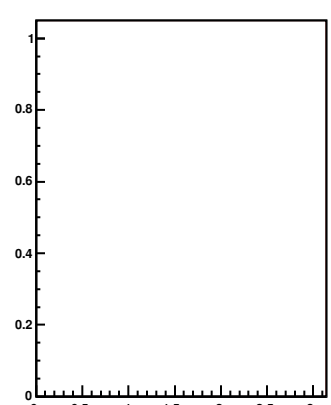

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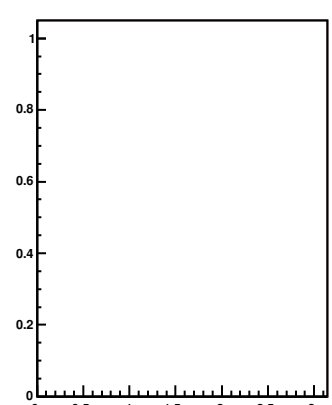

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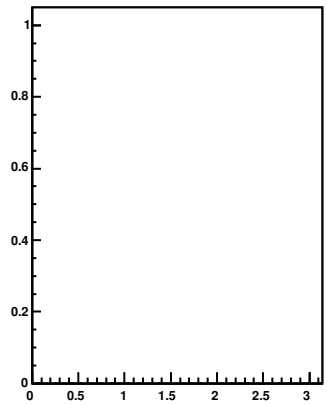

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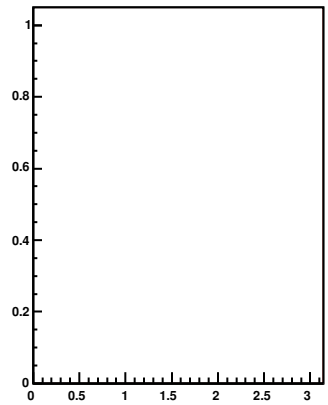

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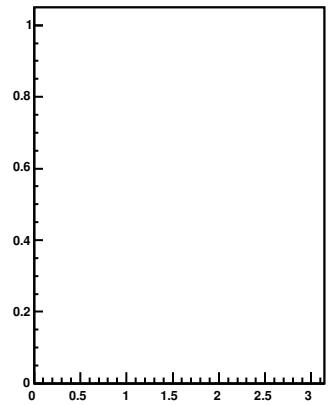

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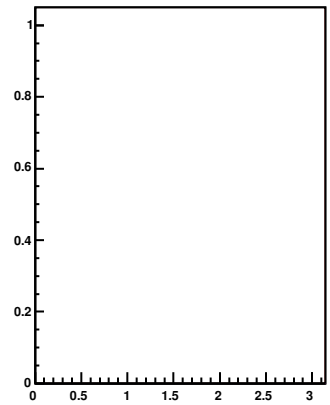

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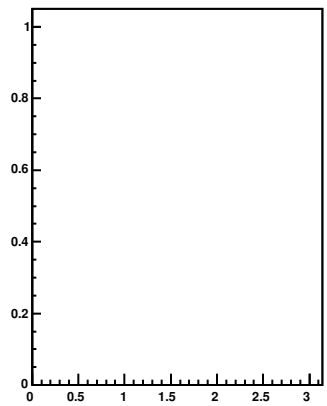

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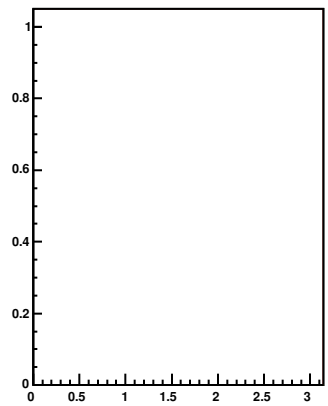
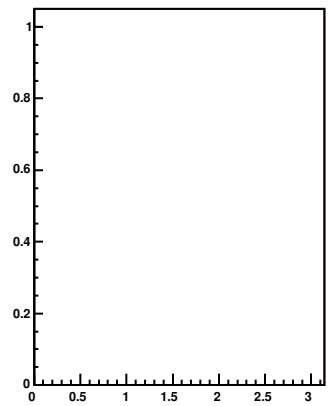


higgsww-PHX_BMU dilDphilike



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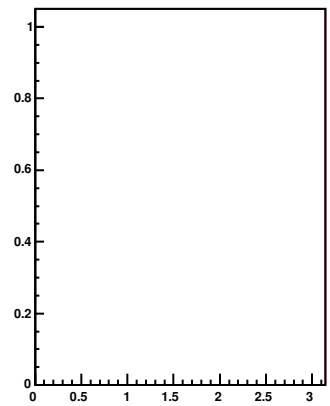

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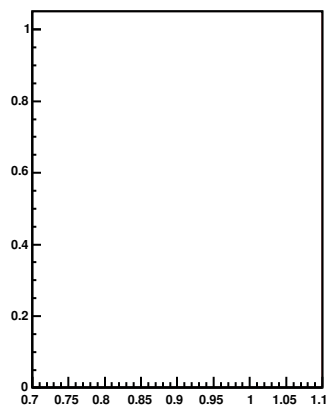

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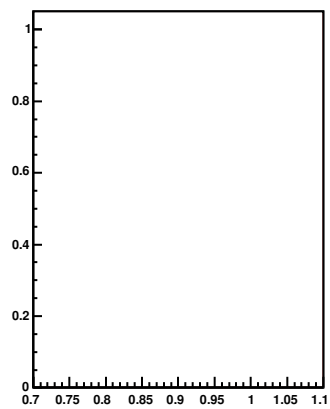

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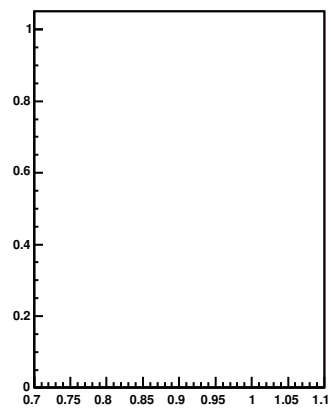

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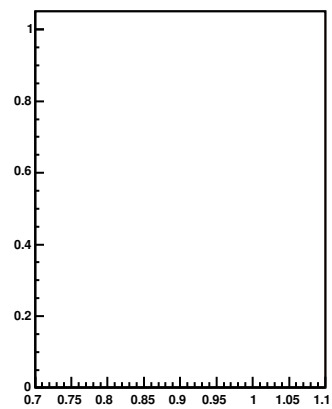

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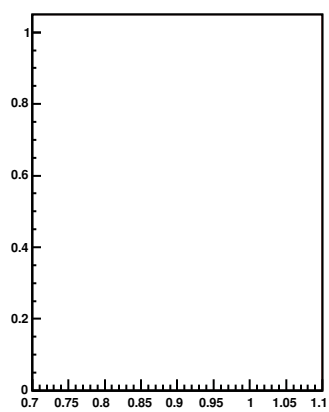

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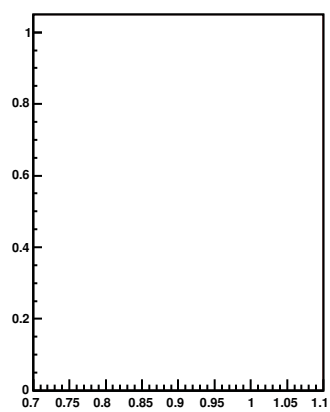

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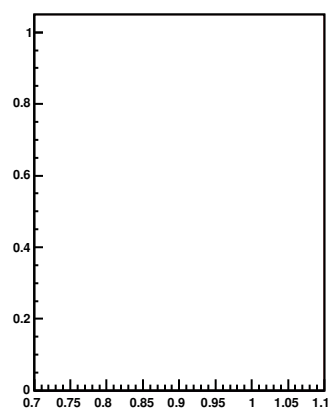

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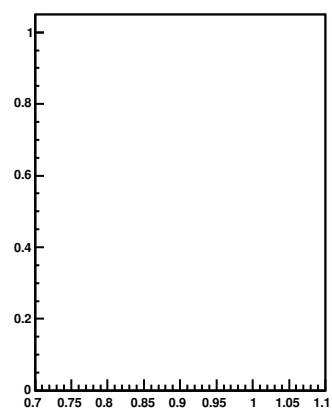

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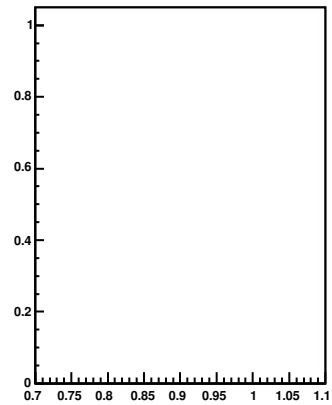

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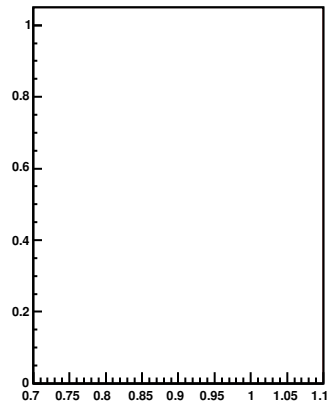

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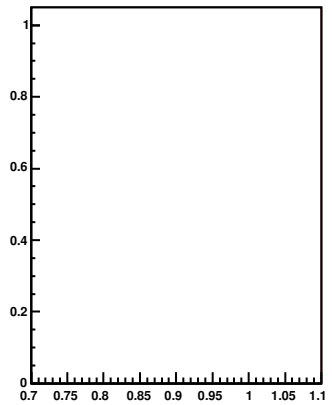
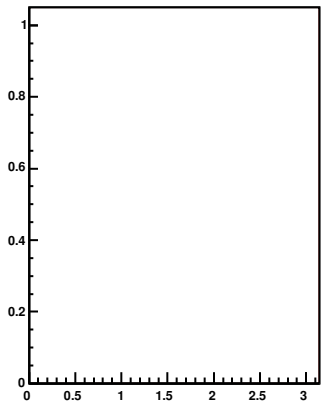
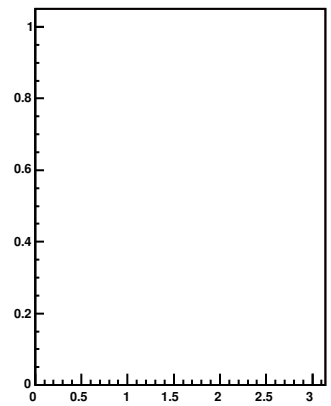


Zee-PEM_BMU dilDphilike



Zmumu-PEM_BMU dilDphilike



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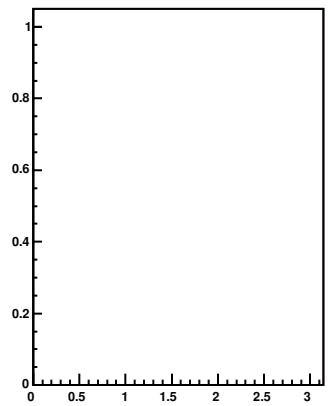
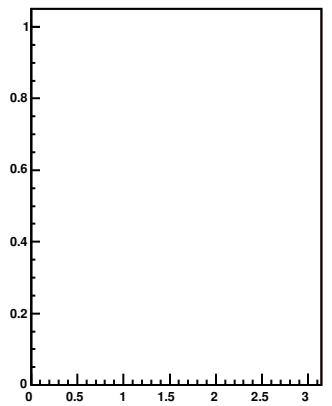
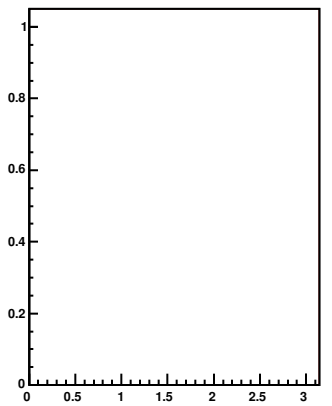


fake-PEM_BMU dilDphilike



WZ-PEM_BMU dilDphilike



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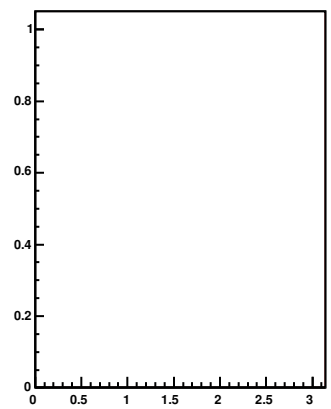
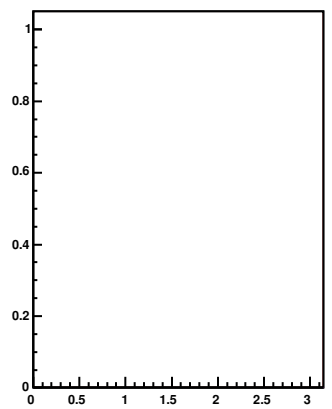


WW-PEM_BMU dilDphilike



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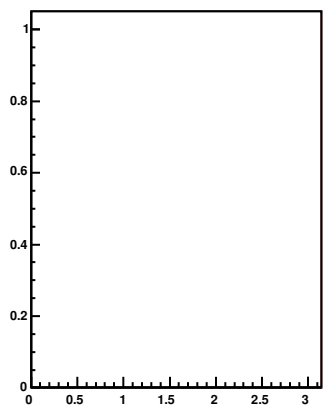
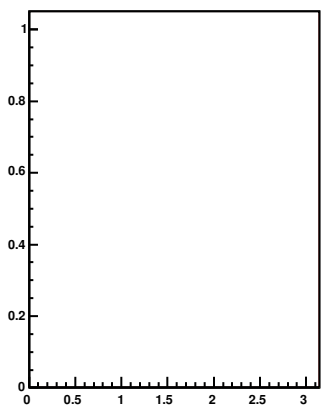
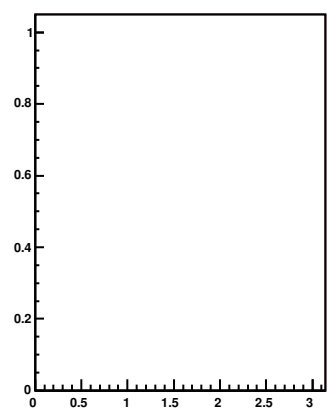


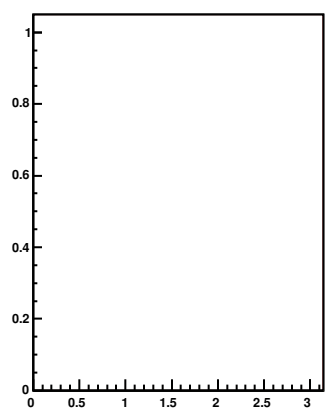
ttbar-PEM_BMU dilDphilike



higgsww-PEM_BMU dilDphilike



data-PEM_BMU dilDphilike



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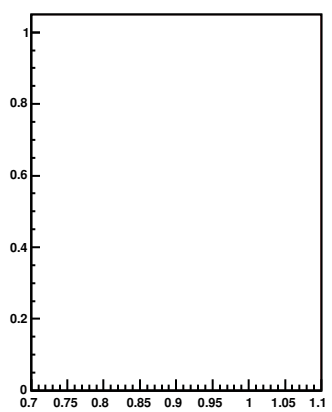

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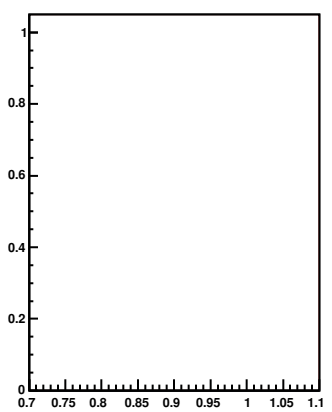

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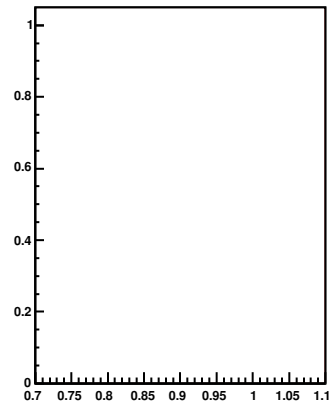

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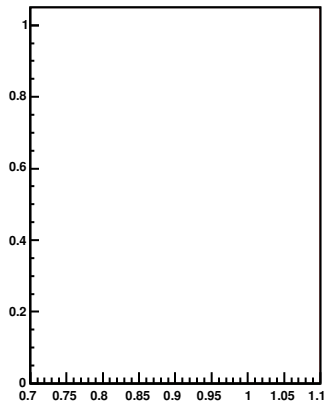

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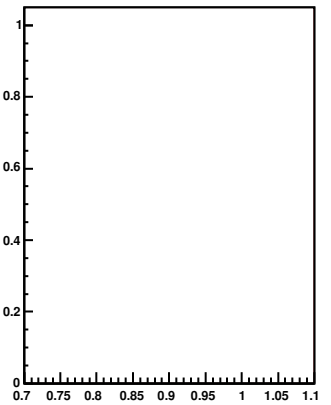

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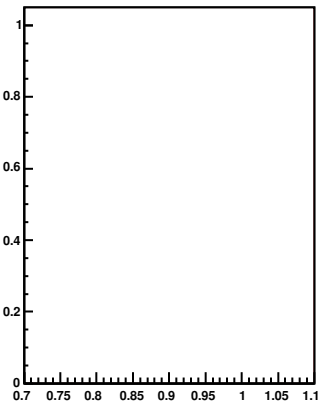

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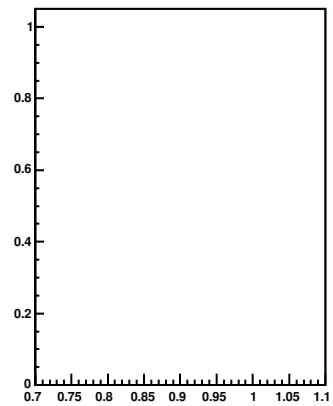

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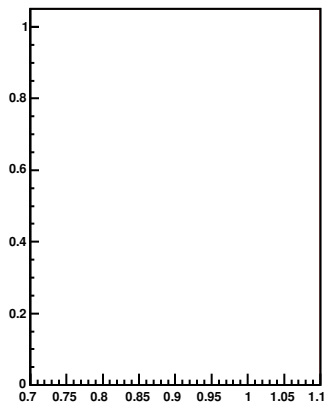

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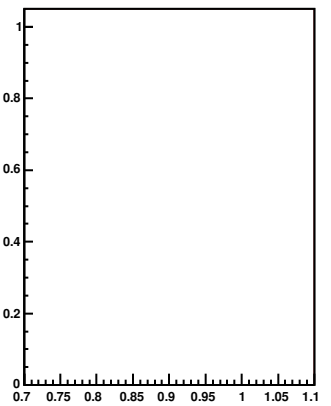

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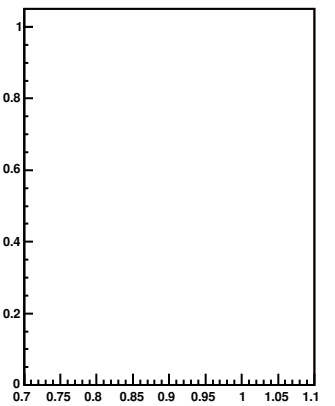

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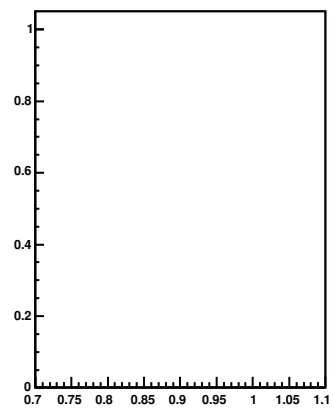
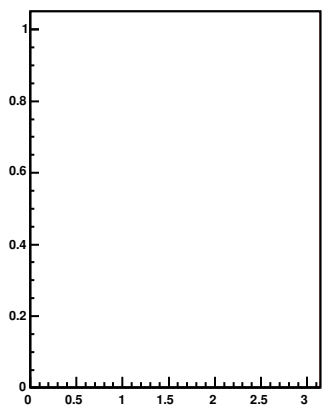


Zee-CMUP_BMU dilDphilike



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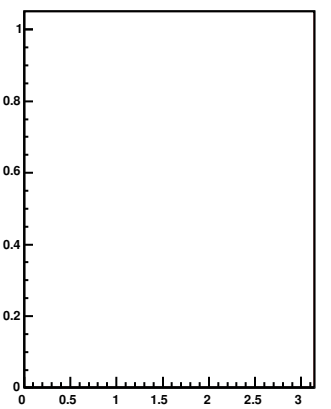

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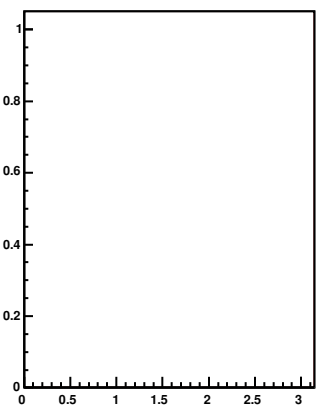
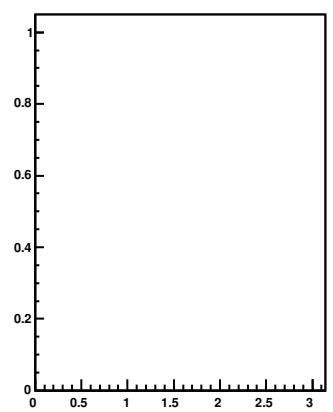
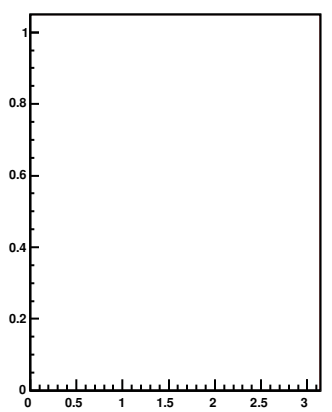


fake-CMUP_BMU dilDphilike



WZ-CMUP_BMU dilDphilike



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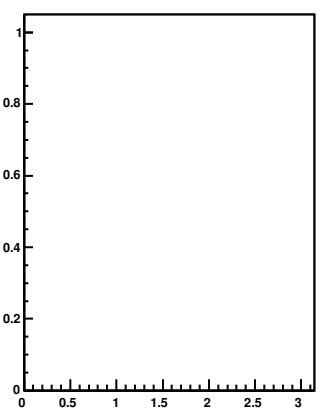

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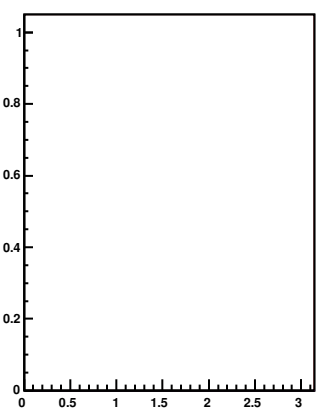
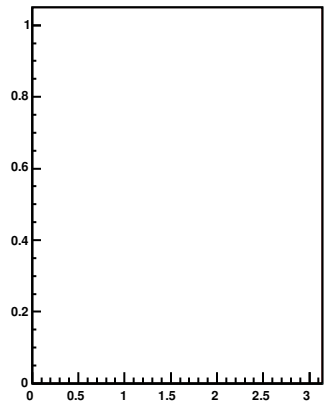


wgamma-CMUP_BMU dilDphilike



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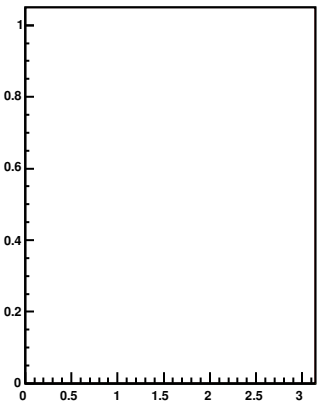
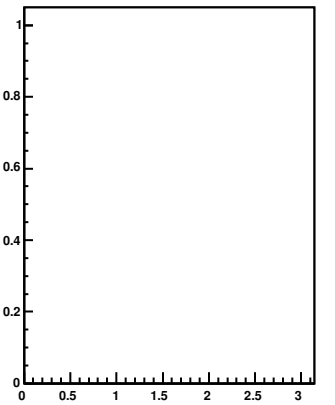


higgsww-CMUP_BMU dilDphilike



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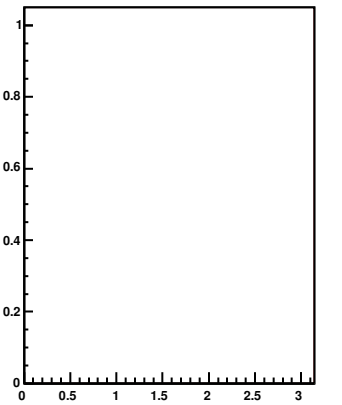

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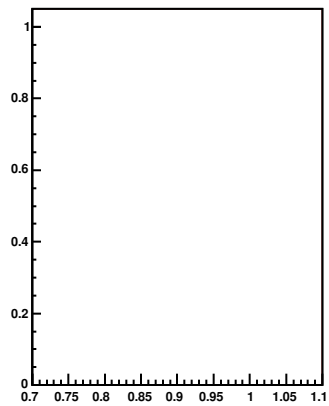

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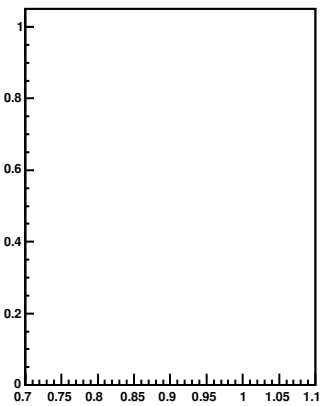

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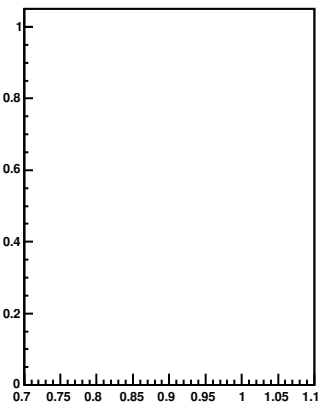
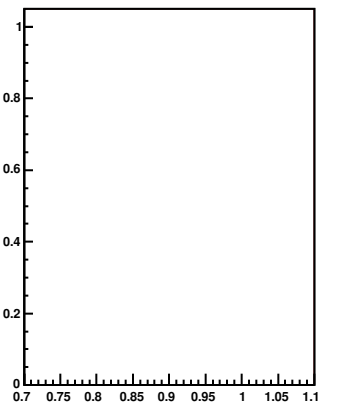


fake-CMUP_BMU rawweight



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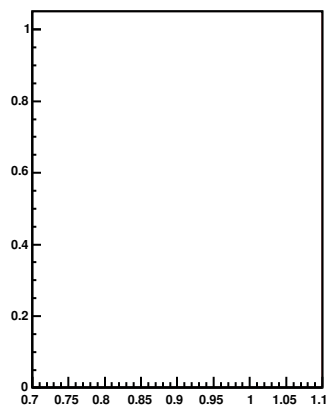

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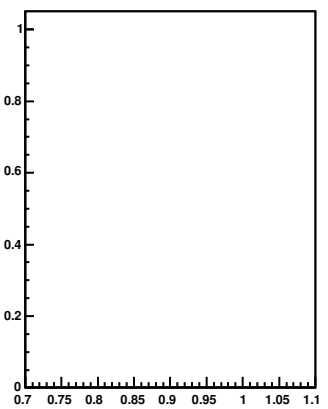

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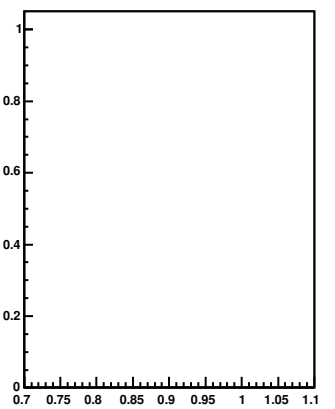

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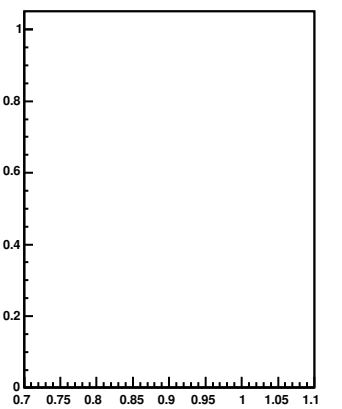

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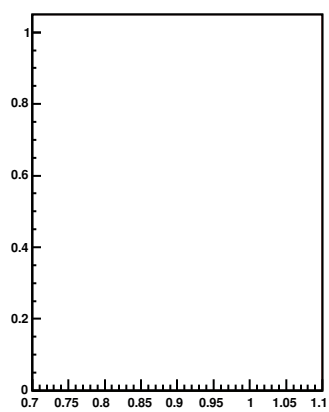
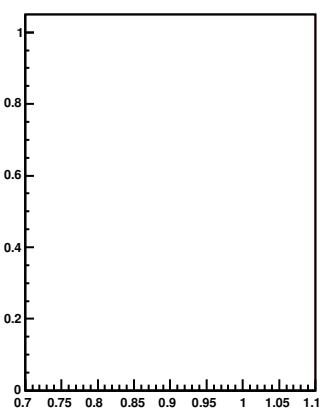


higgsww-CMUP_BMU rawweight



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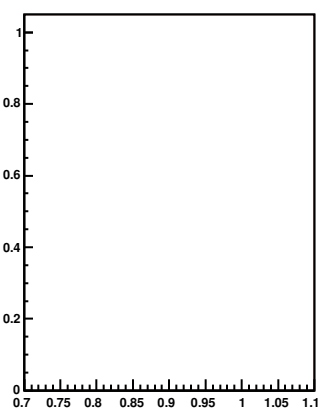
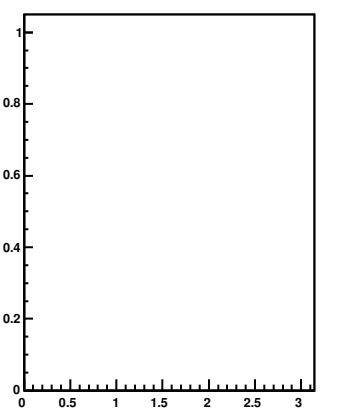


Zee-CMX_BMU dilDphilike



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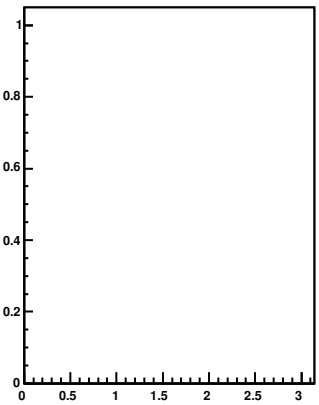
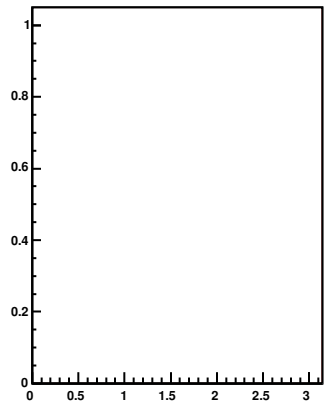
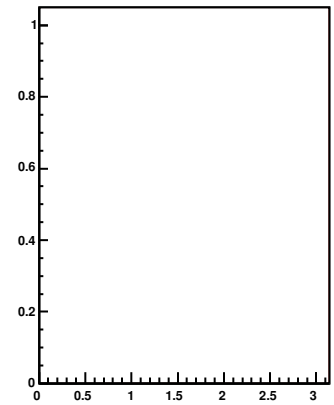


Ztautau-CMX_BMU dilDphilike



fake-CMX_BMU dilDphilike



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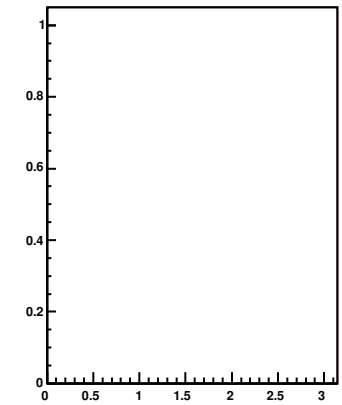

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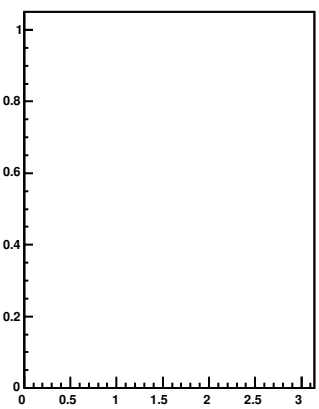
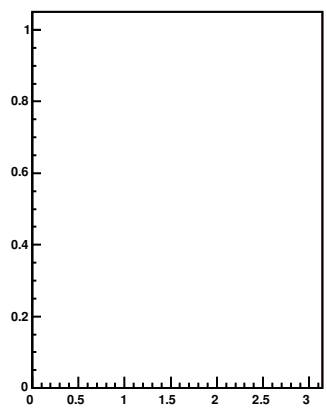
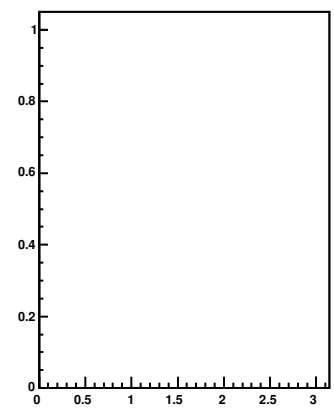


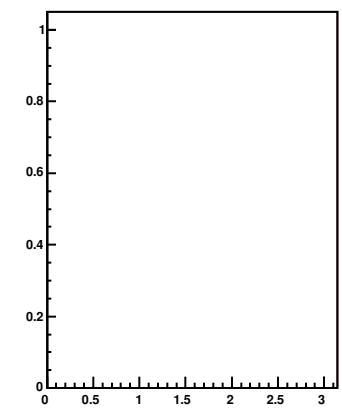
WW-CMX_BMU dilDphilike



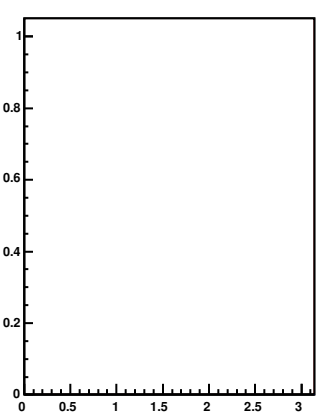
wgamma-CMX_BMU dilDphilike



ttbar-CMX_BMU dilDphilike



higgsww-CMX_BMU dilDphilike



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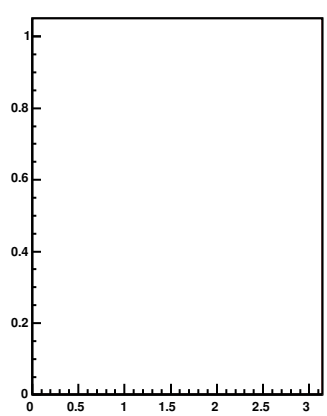

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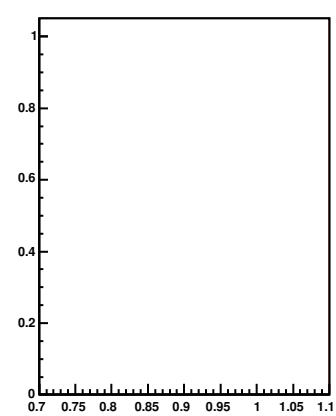

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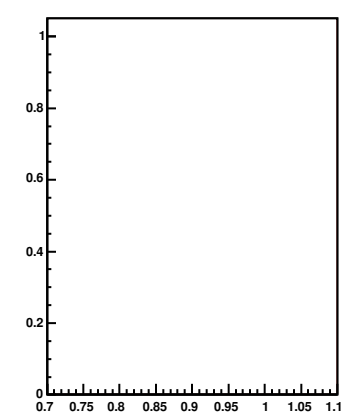

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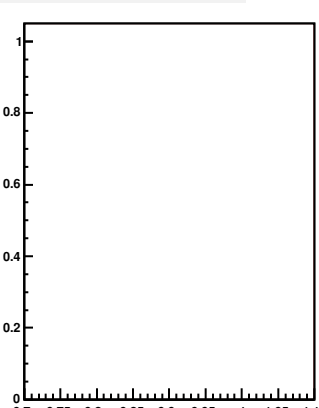
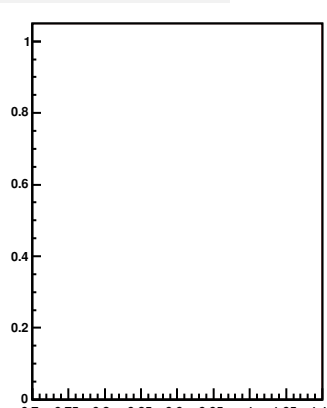
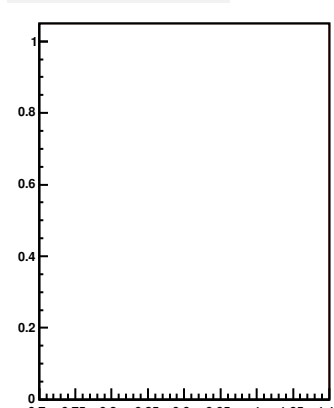


fake-CMX_BMU rawweight



WZ-CMX_BMU rawweight



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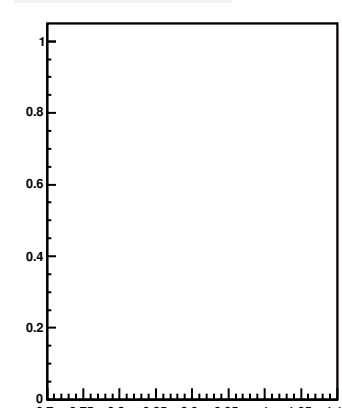

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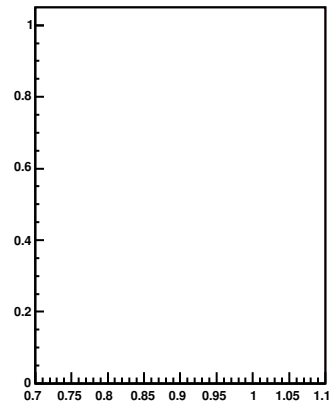

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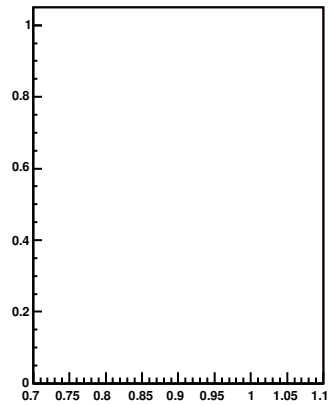
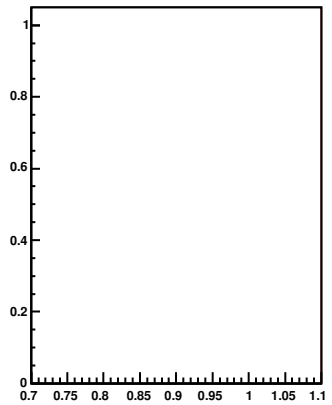
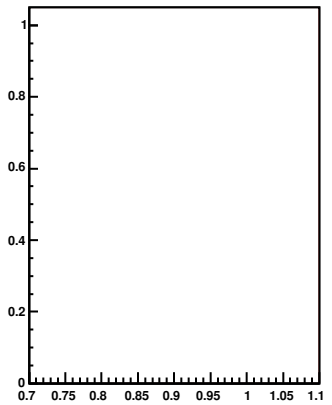


ttbar-CMX_BMU rawweight



higgsww-CMX_BMU rawweight



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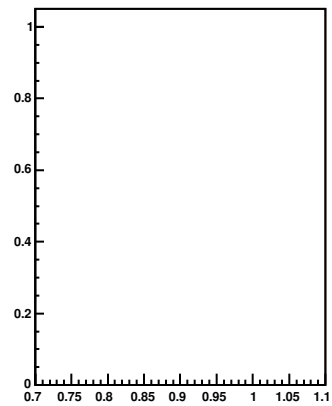
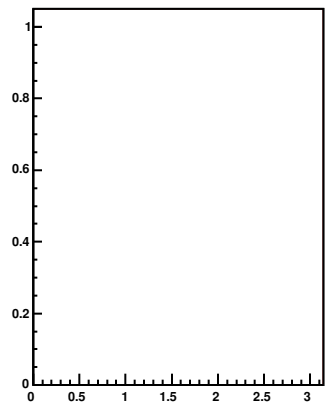
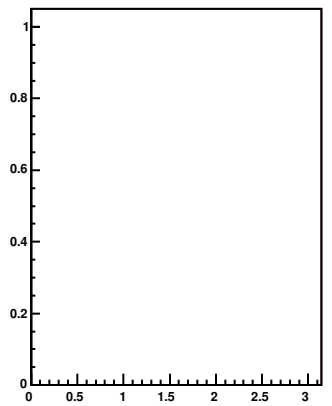


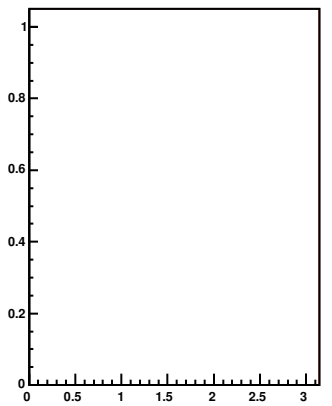
Zee-BMU_BMU dilDphilike



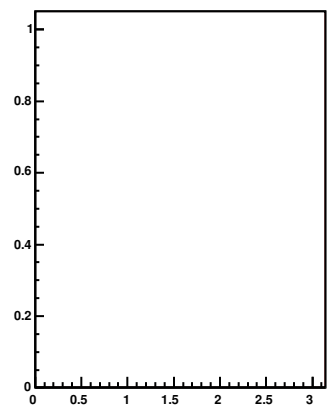
Zmumu-BMU_BMU dilDphilike



Ztautau-BMU_BMU dilDphilike



fake-BMU_BMU dilDphilike



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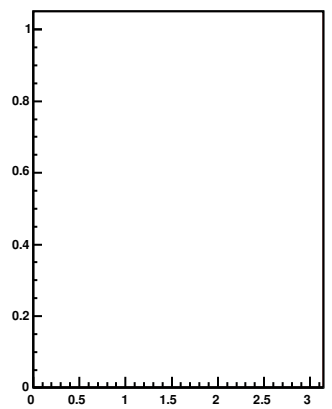
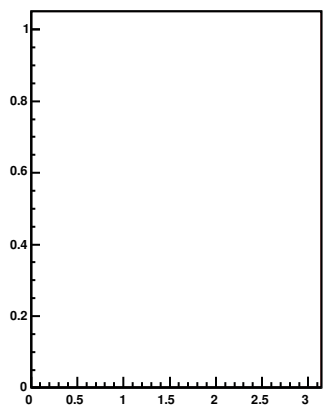


ZZ-BMU_BMU dilDphilike



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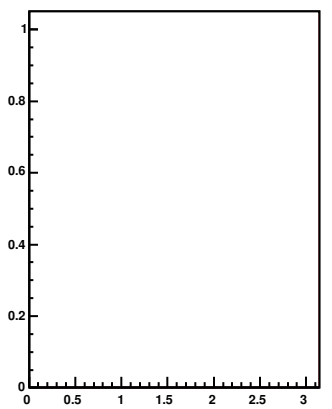
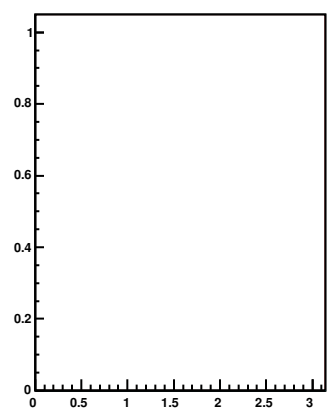
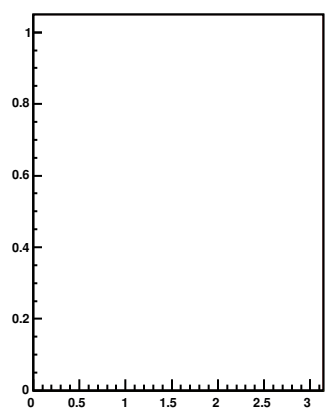


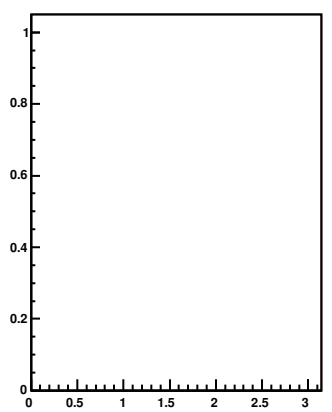
wgamma-BMU_BMU dilDphilike



ttbar-BMU_BMU dilDphilike



higgsww-BMU_BMU dilDphilike



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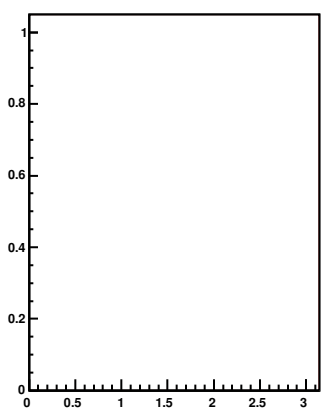
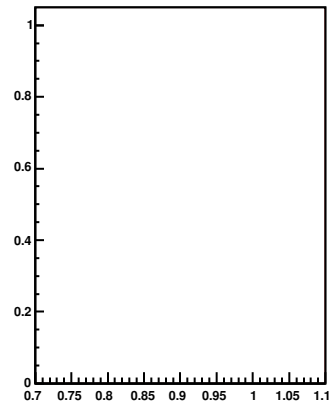
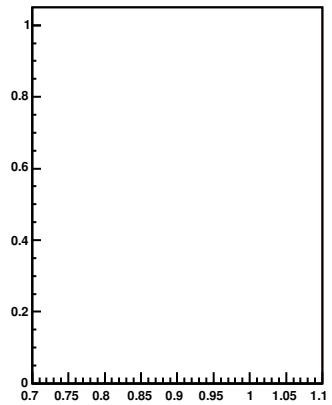


Zee-BMU_BMU rawweight



Zmumu-BMU_BMU rawweight



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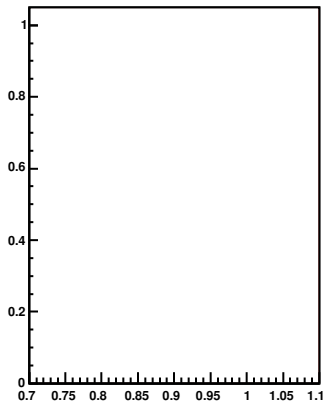
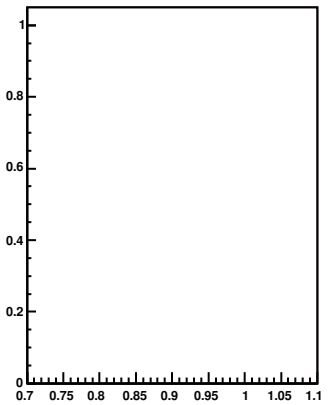
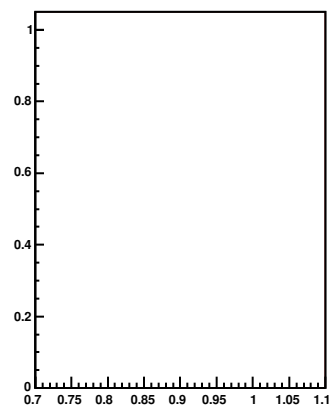


fake-BMU_BMU rawweight



WZ-BMU_BMU rawweight



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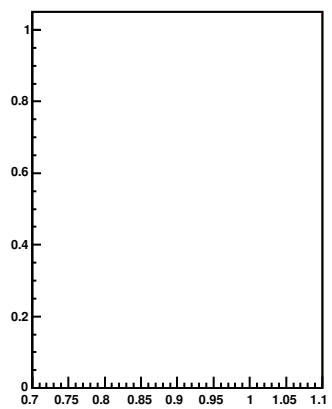

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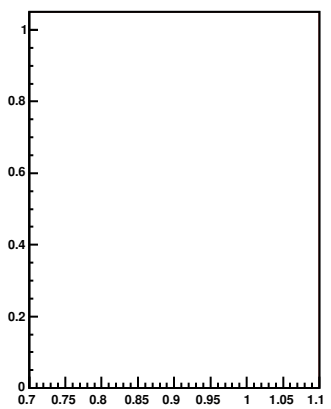
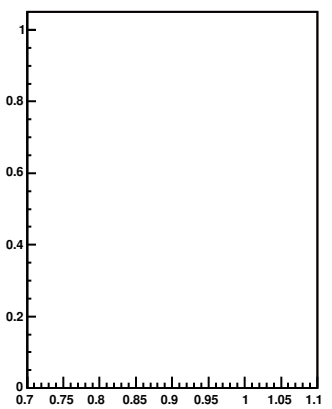
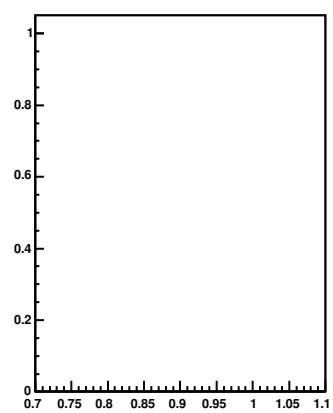


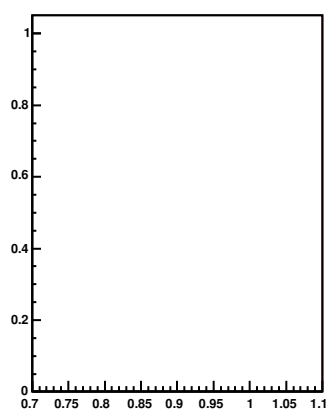
wgamma-BMU_BMU rawweight



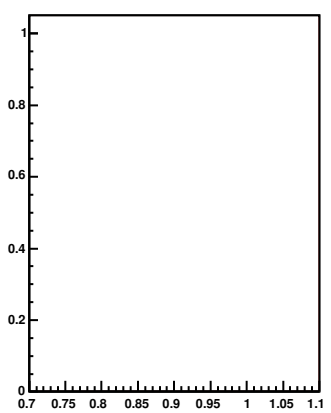
ttbar-BMU_BMU rawweight



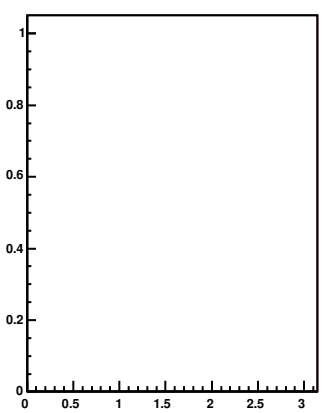
higgsww-BMU_BMU rawweight



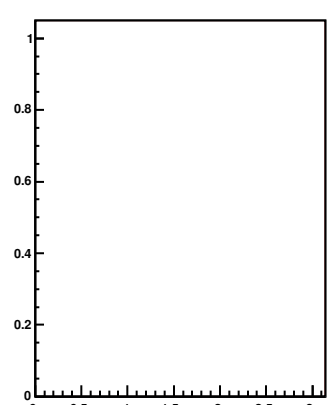
data-BMU_BMU rawweight



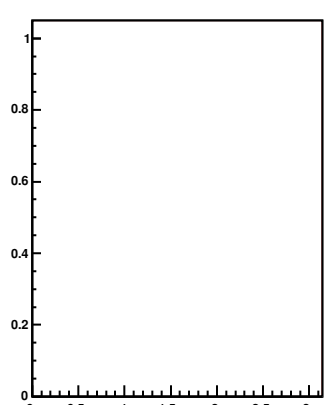
Zee-BMU_CMU dilDphilike



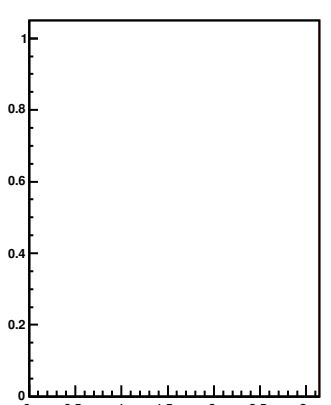
Zmumu-BMU_CMU dilDphilike



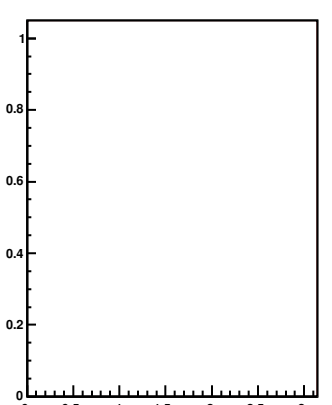
Ztautau-BMU_CMU dilDphilike



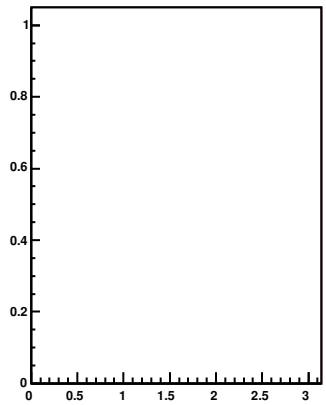
fake-BMU_CMU dilDphilike



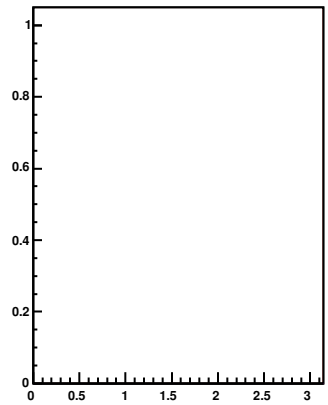
WZ-BMU_CMU dilDphilike



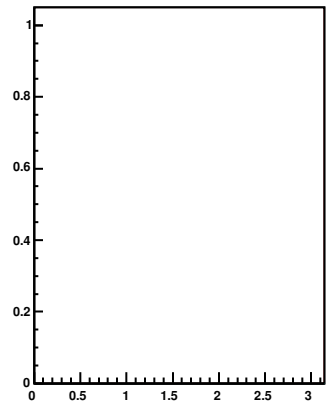
ZZ-BMU_CMU dilDphilike



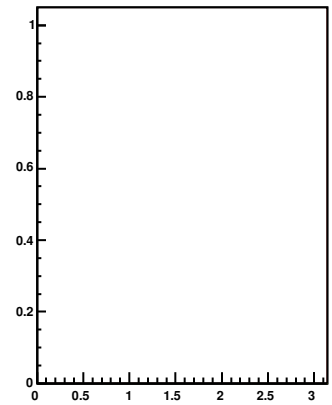
WW-BMU_CMU dilDphilike



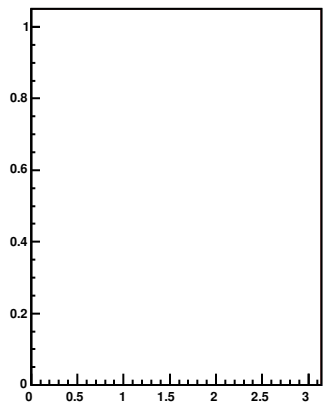
wgamma-BMU_CMU dilDphilike



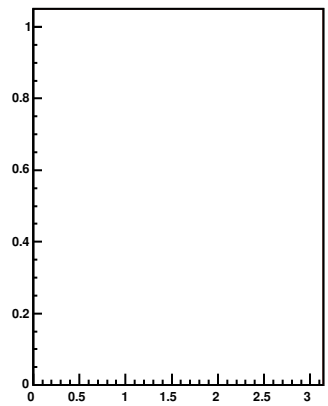
ttbar-BMU_CMU dilDphilike



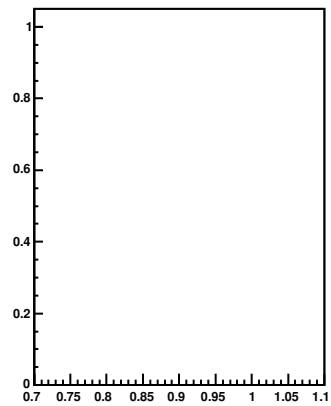
higgsww-BMU_CMU dilDphilike



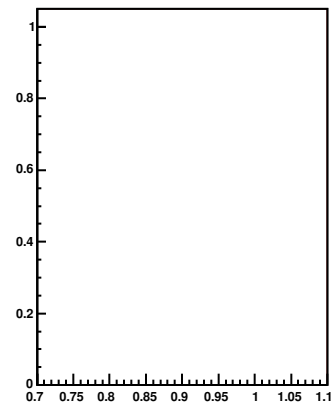
data-BMU_CMU dilDphilike



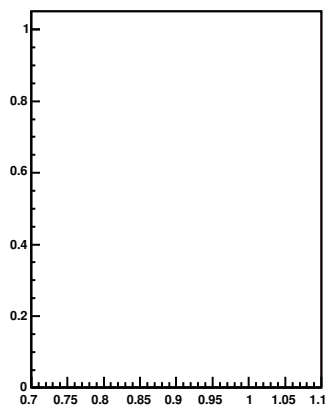
Zee-BMU_CMU rawweight



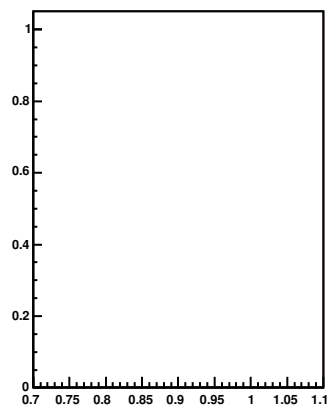
Zmumu-BMU_CMU rawweight



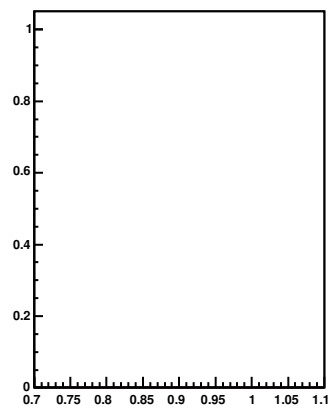
Ztautau-BMU_CMU rawweight



fake-BMU_CMU rawweight



WZ-BMU_CMU rawweight



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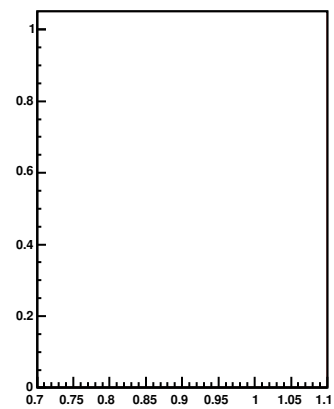
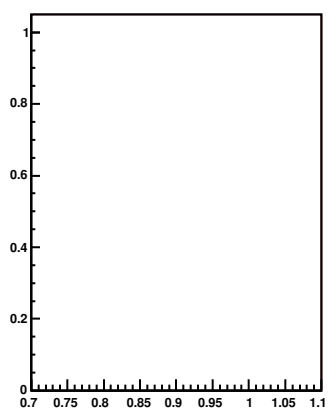
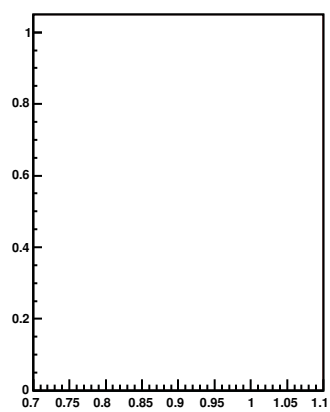


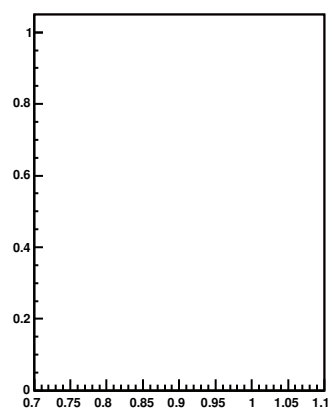
WW-BMU_CMU rawweight



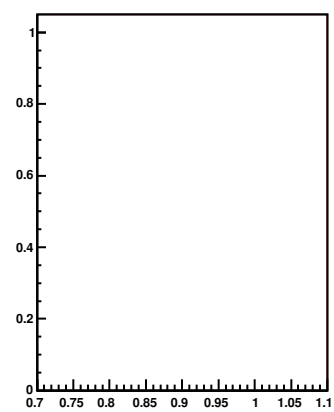
wgamma-BMU_CMU rawweight



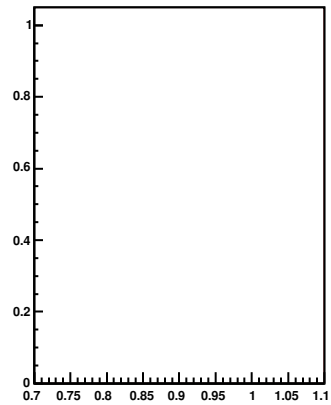
ttbar-BMU_CMU rawweight



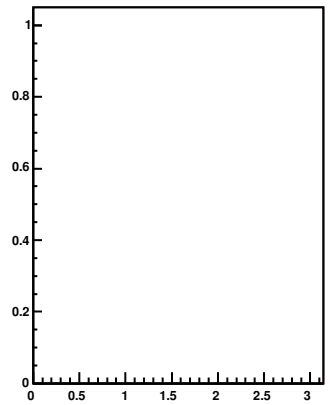
higgsww-BMU_CMU rawweight



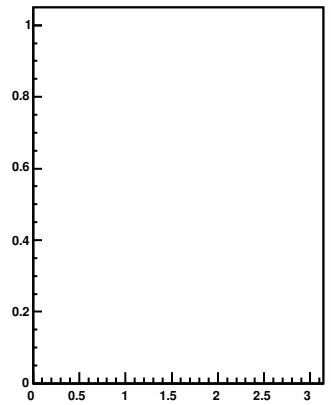
data-BMU_CMU rawweight



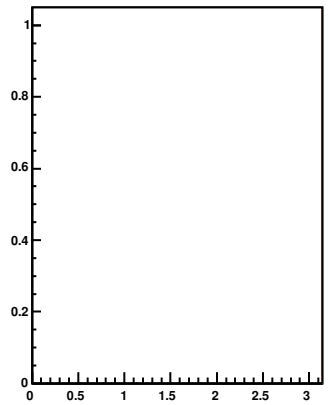
Zee-BMU_CMP dilDphilike



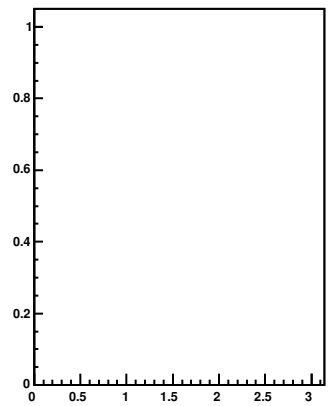
Zmumu-BMU_CMP dilDphilike



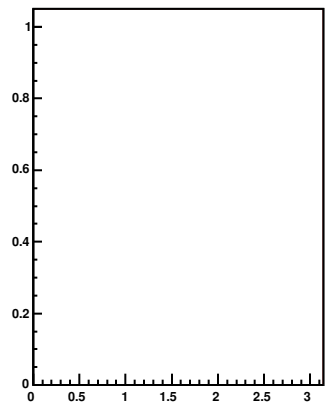
Ztautau-BMU_CMP dilDphilike



fake-BMU_CMP dilDphilike



WZ-BMU_CMP dilDphilike



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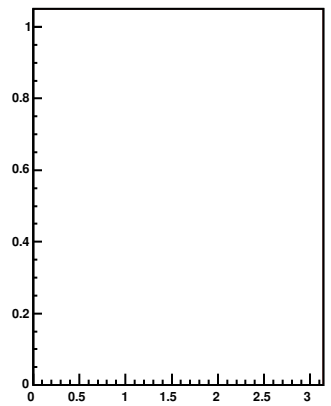
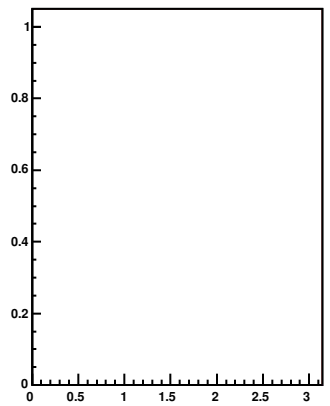
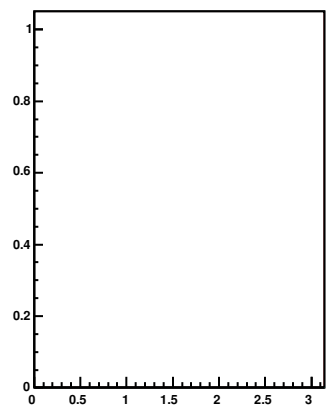


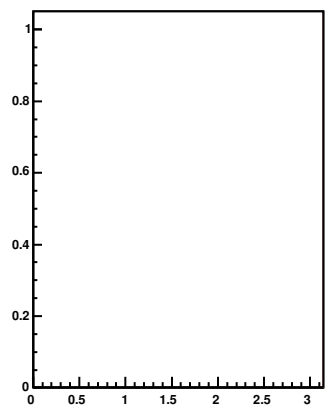
WW-BMU_CMP dilDphilike



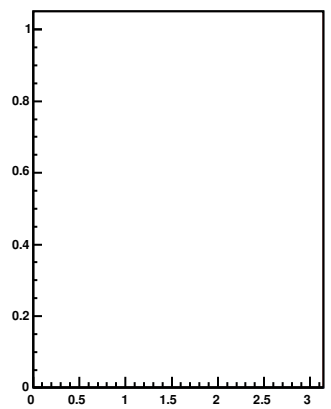
wgamma-BMU_CMP dilDphilike



ttbar-BMU_CMP dilDphilike



higgsww-BMU_CMP dilDphilike



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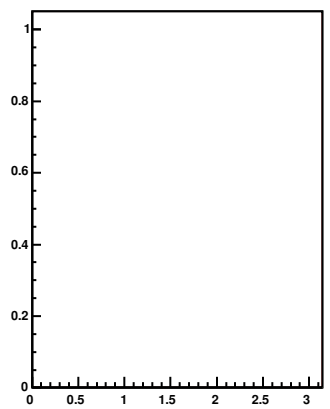

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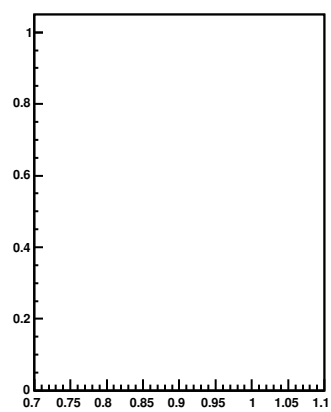

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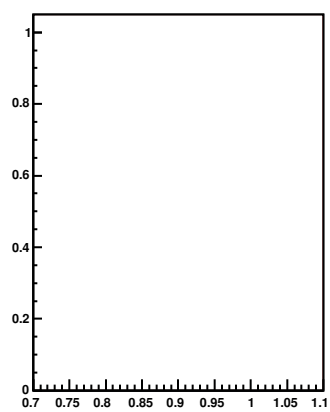

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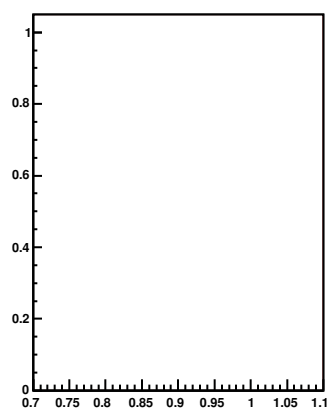

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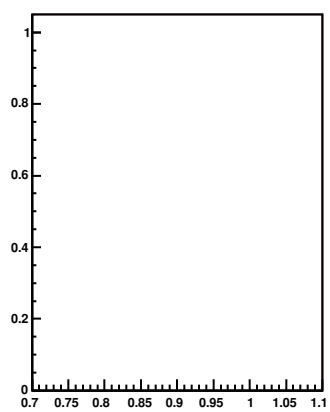

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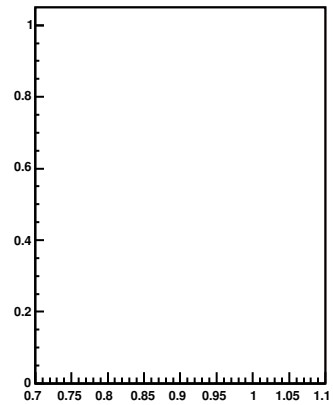

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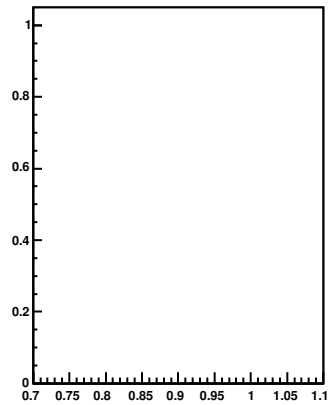

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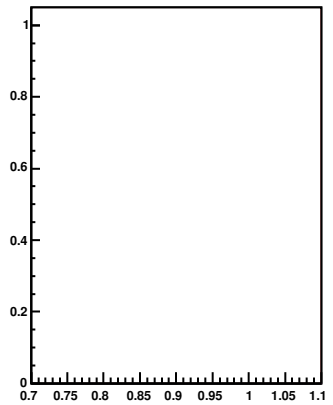

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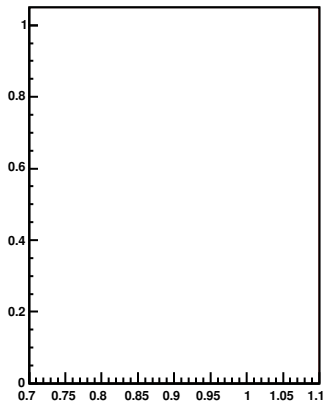

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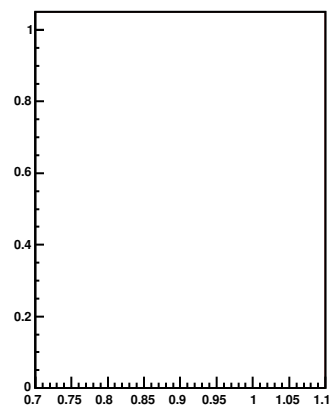
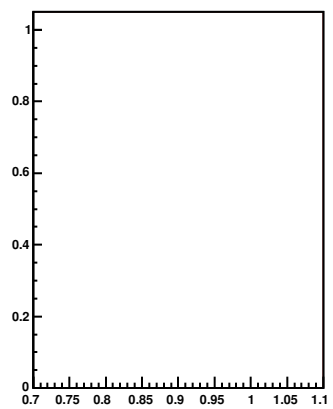


higgsww-BMU_CMP rawweight



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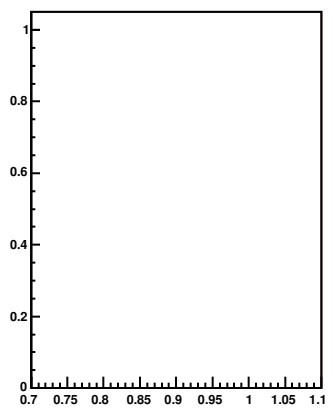
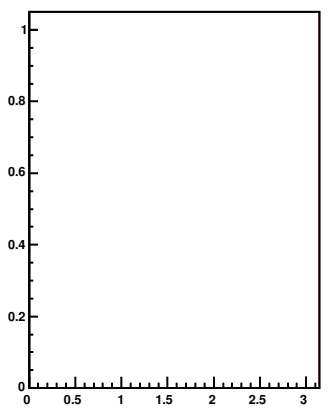
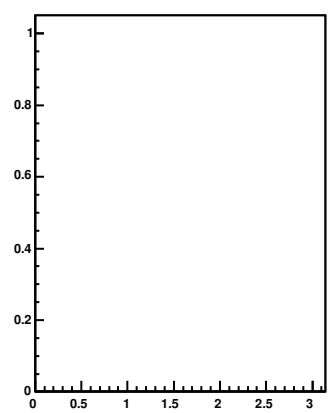


Zee-BMU_CMIO dilDphilike



Zmumu-BMU_CMIO dilDphilike



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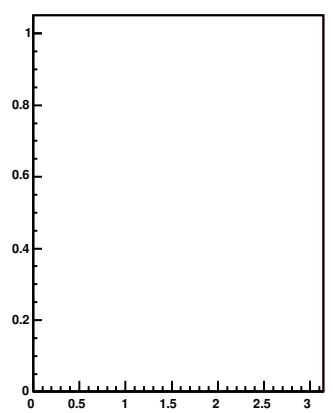
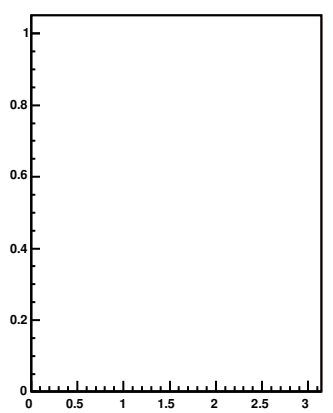
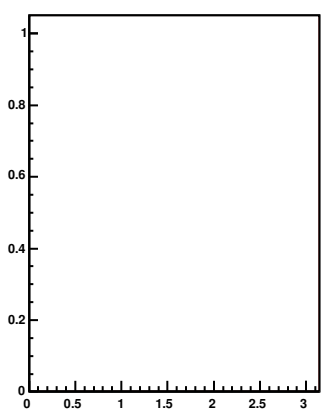


fake-BMU_CMIO dilDphilike



WZ-BMU_CMIO dilDphilike



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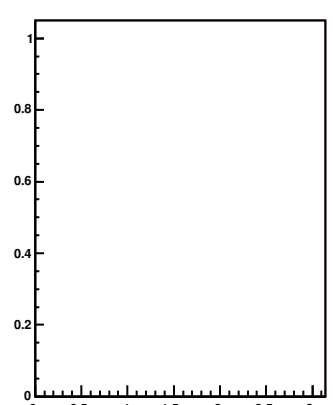

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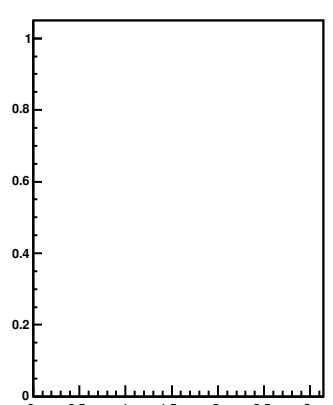

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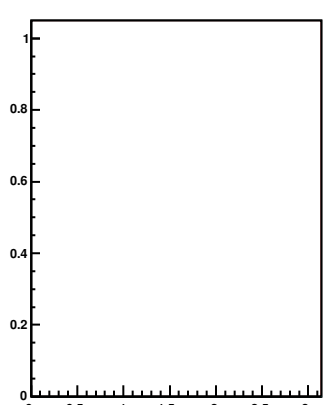
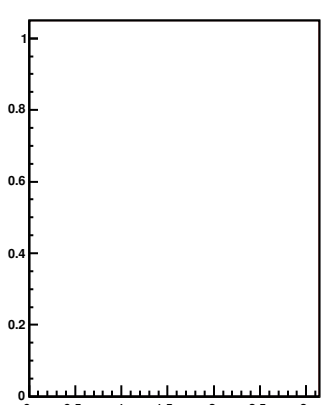
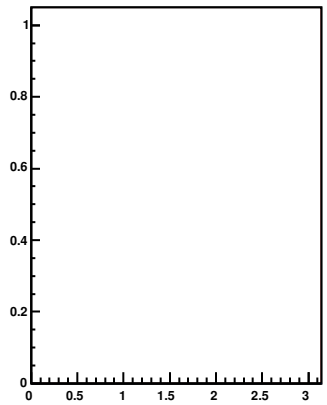


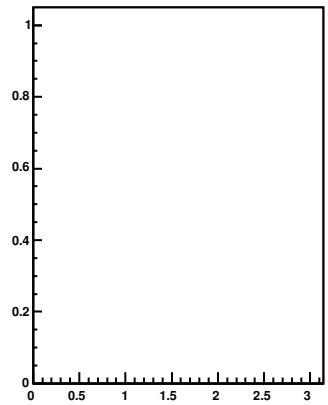
ttbar-BMU_CMIO dilDphilike



higgsww-BMU_CMIO dilDphilike



data-BMU_CMIO dilDphilike



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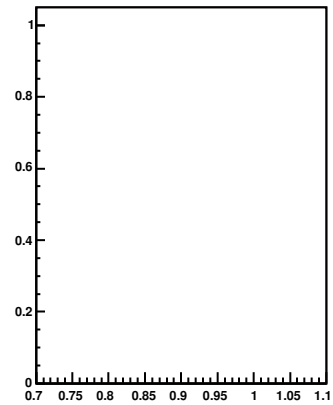

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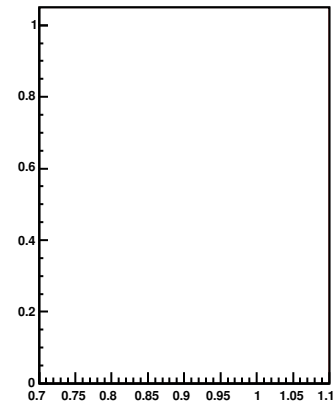

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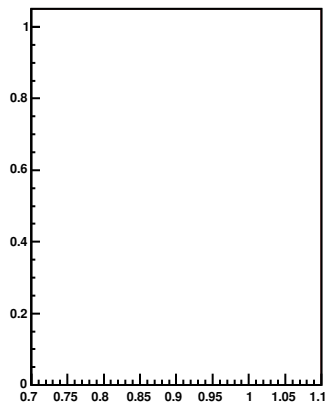

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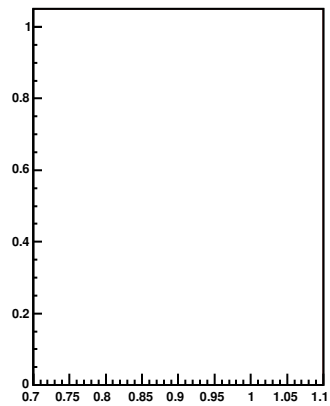

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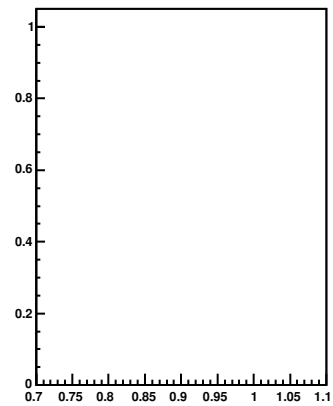

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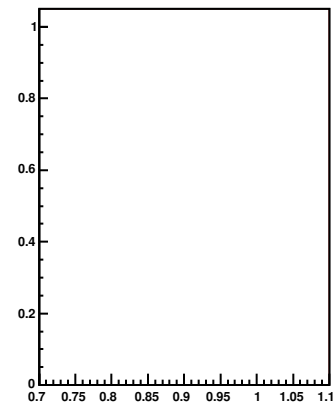

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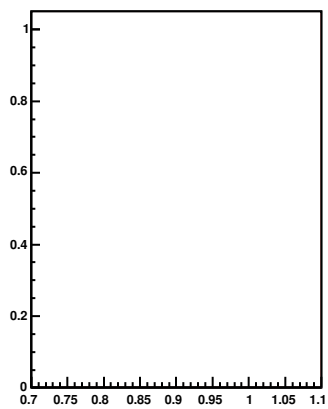

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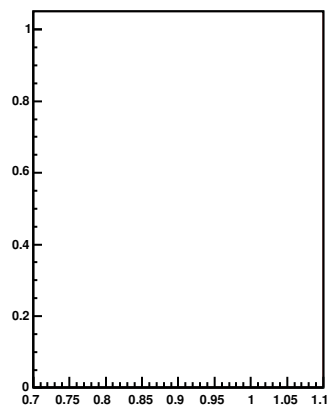

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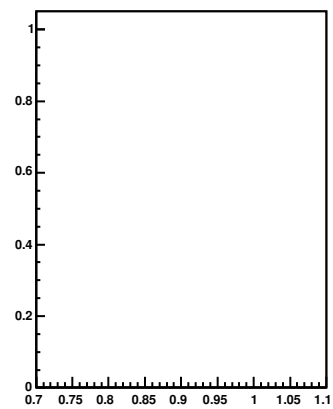

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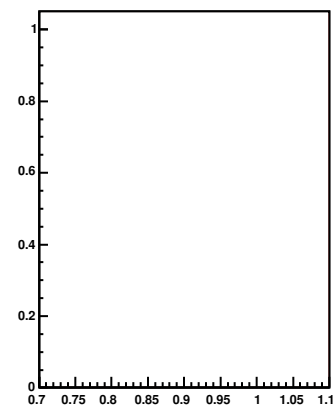
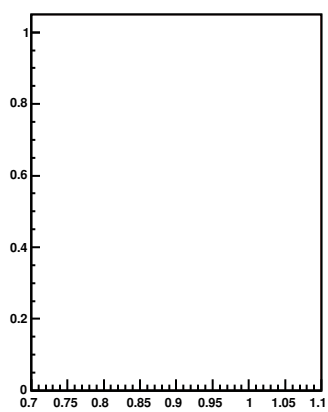
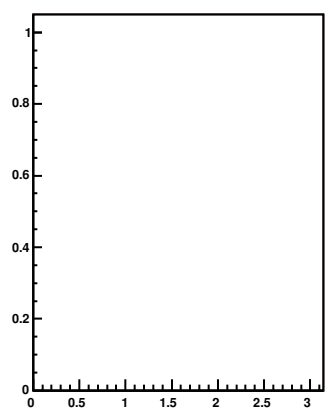


data-BMU_CMIO rawweight



Zee-TCE_SCMIO dilDphilike



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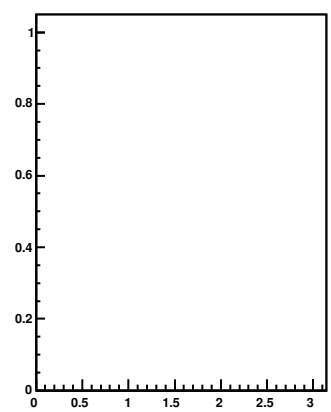

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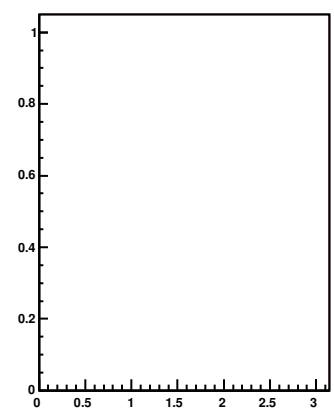
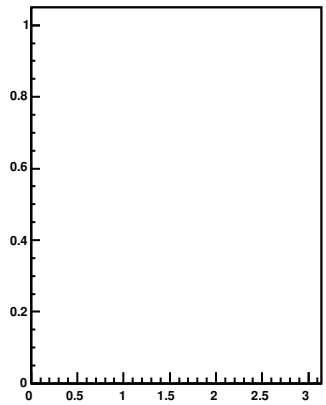
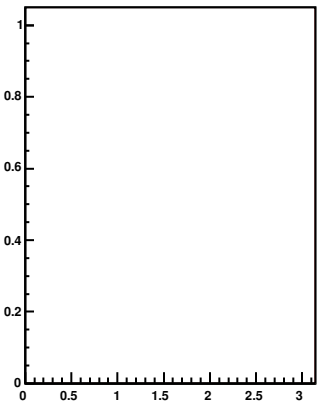


fake-TCE_SCMIO dilDphilike



WZ-TCE_SCMIO dilDphilike



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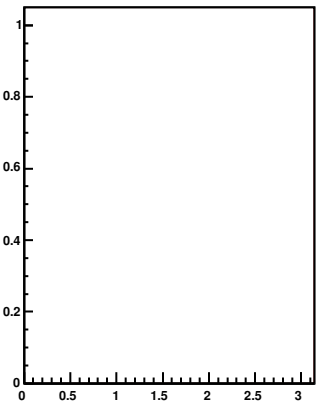

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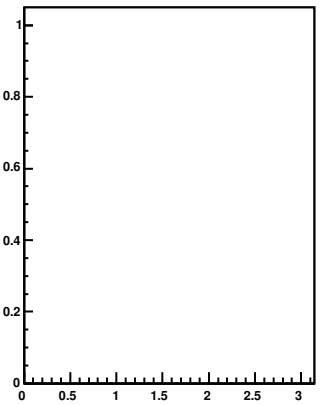
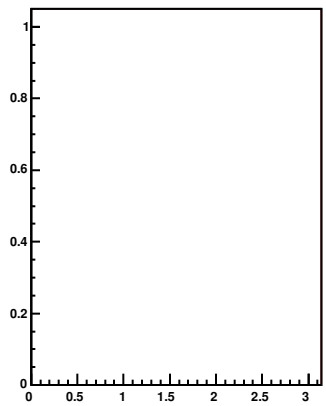
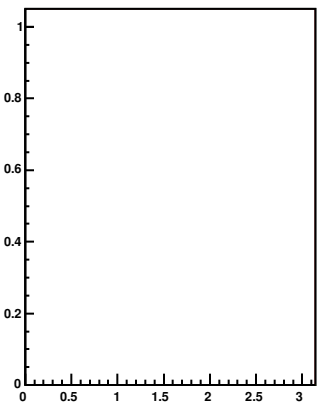


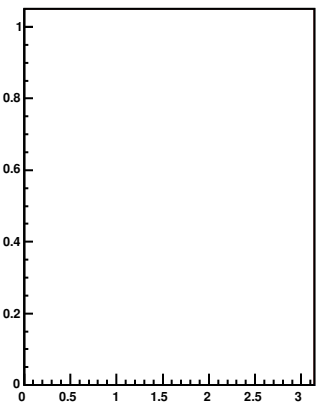
wgamma-TCE_SCMIO dilDphilike



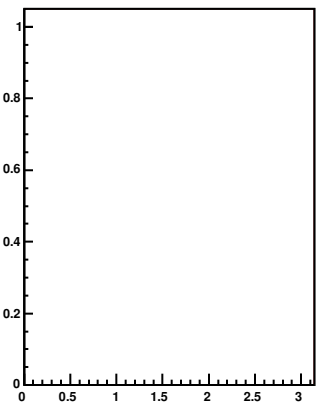
ttbar-TCE_SCMIO dilDphilike



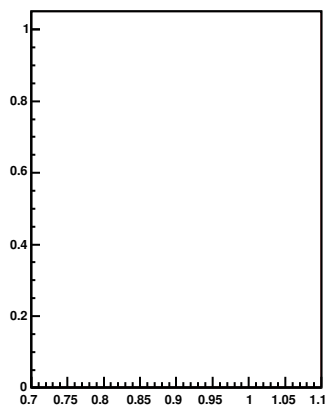
higgsww-TCE_SCMIO dilDphilike



data-TCE_SCMIO dilDphilike



Zee-TCE_SCMIO rawweight



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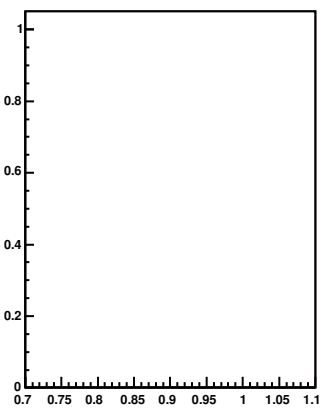

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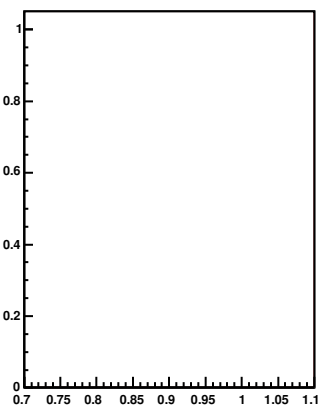

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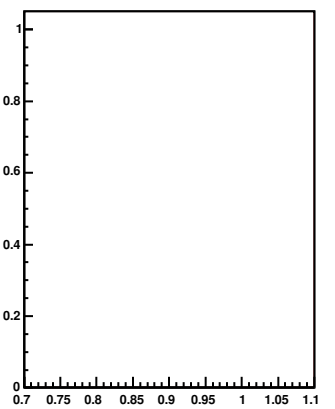
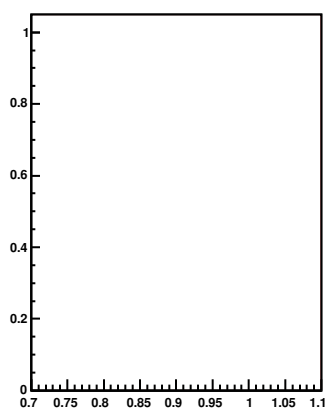


WZ-TCE_SCMIO rawweight



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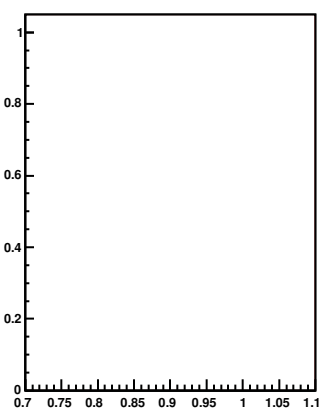

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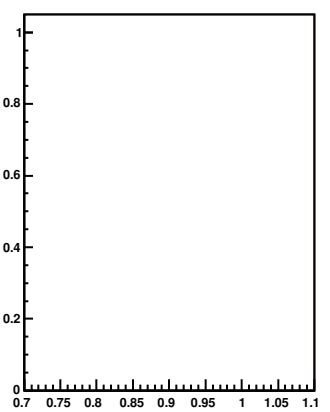
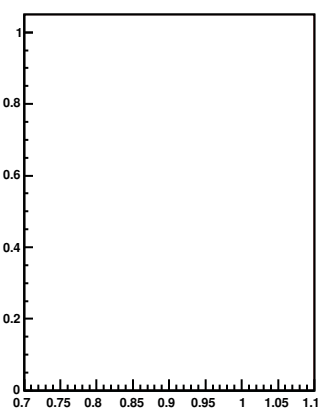


wgamma-TCE_SCMIO rawweight



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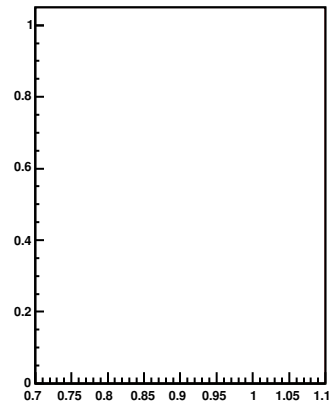

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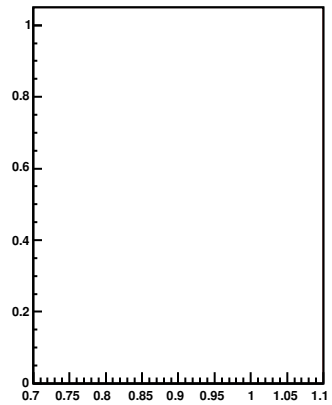

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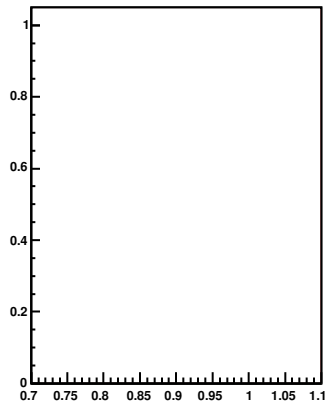
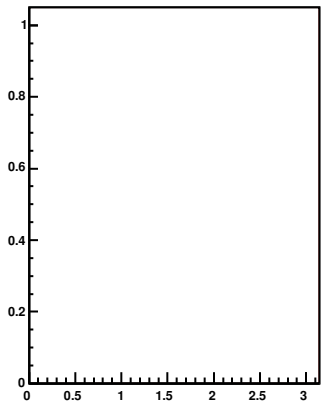


Zee-PHX_SCMIO dilDphilike



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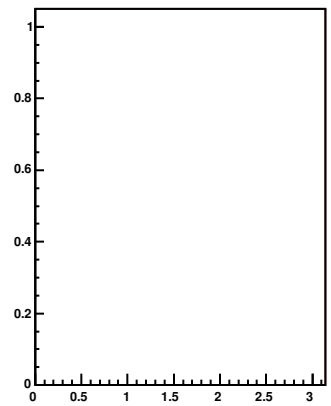

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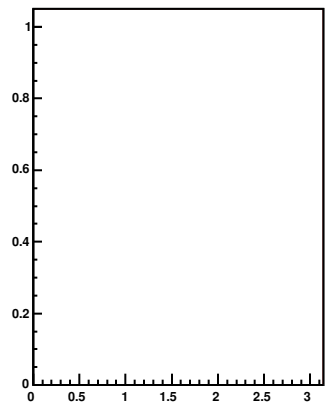

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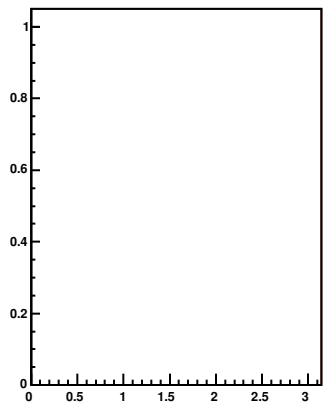

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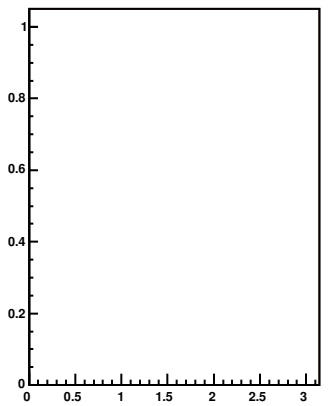
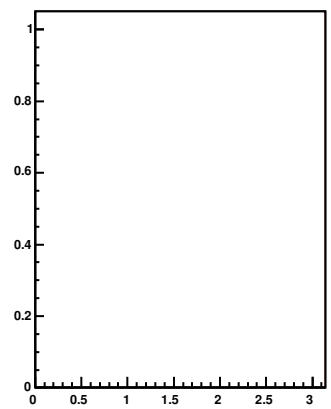
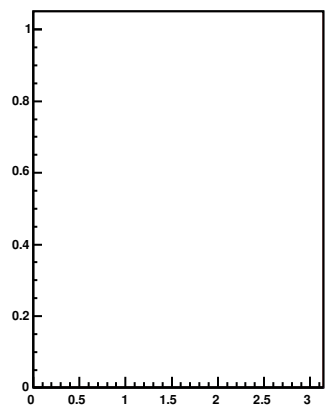


ZZ-PHX_SCMIO dilDphilike



WW-PHX_SCMIO dilDphilike



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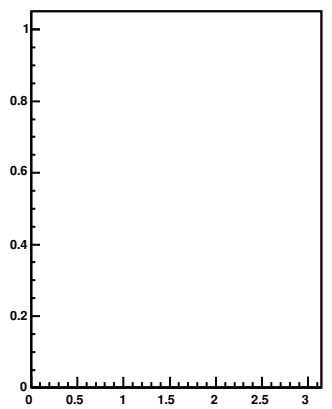

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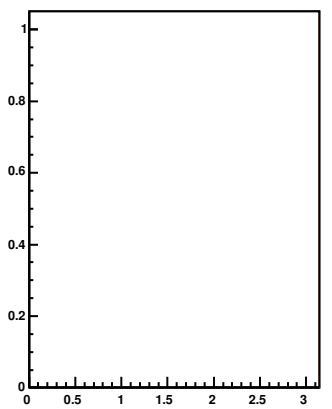
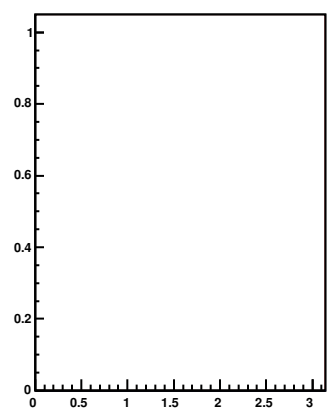


higgsww-PHX_SCMIO dilDphilike



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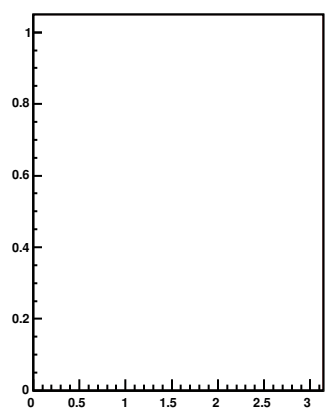

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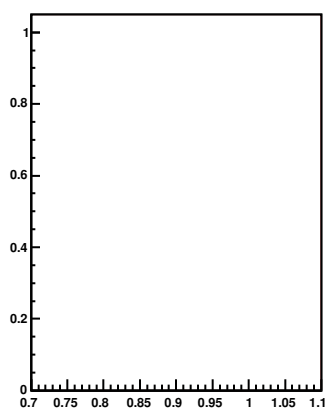

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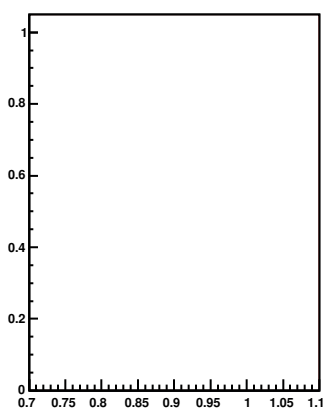

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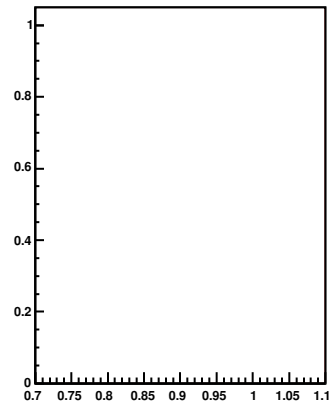

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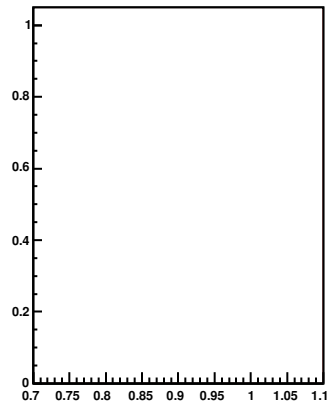

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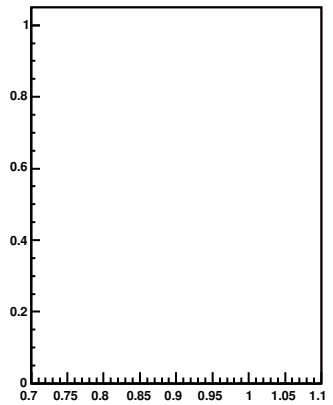

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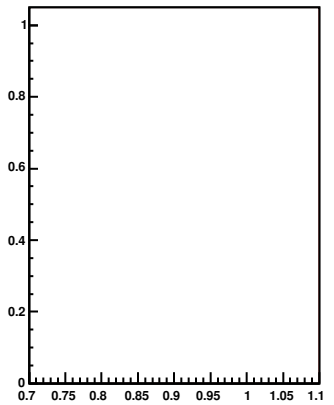

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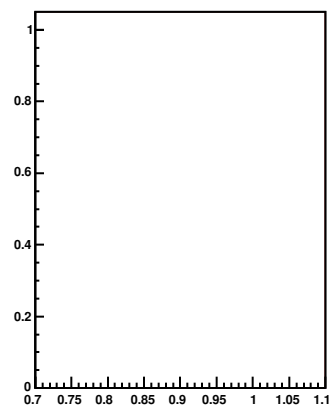

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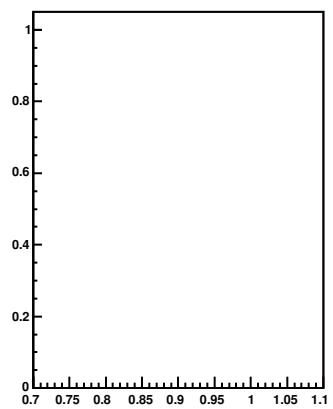

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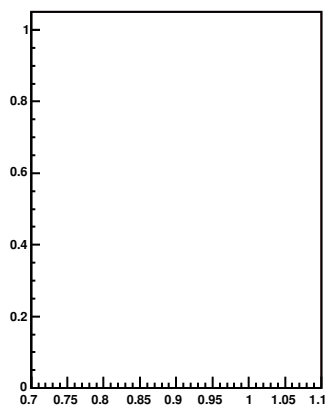

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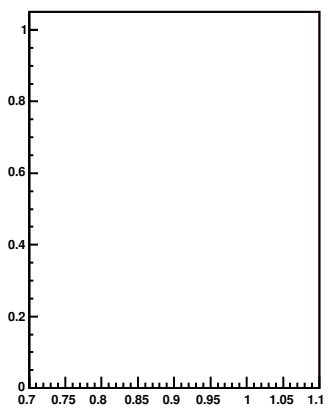

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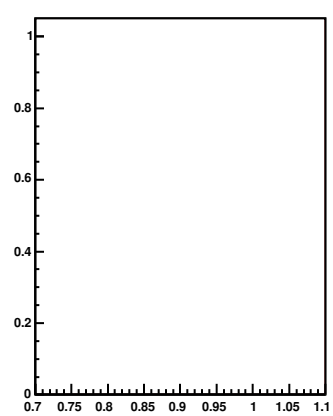
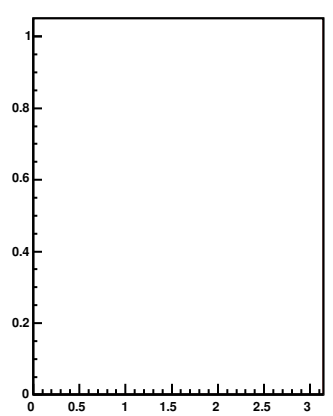


Zee-CMUP_SCMIO dilDphilike



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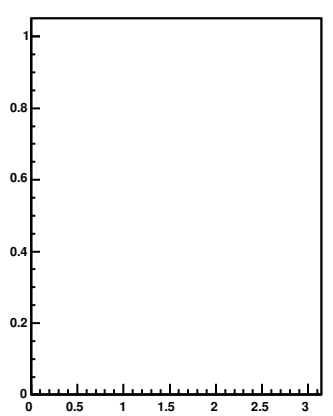

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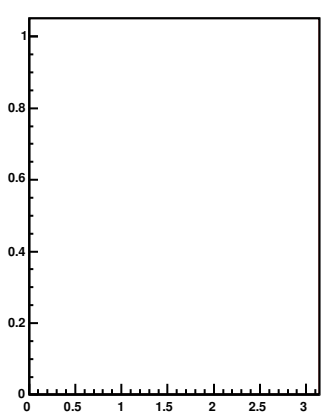
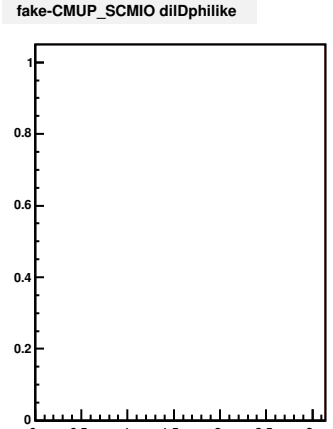
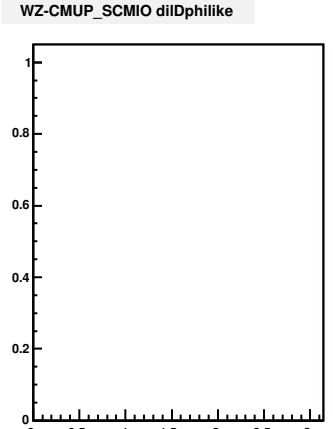


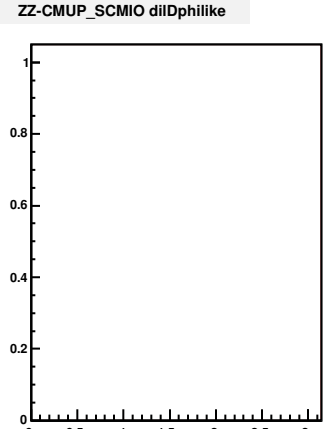
fake-CMUP_SCMIO dilDphilike



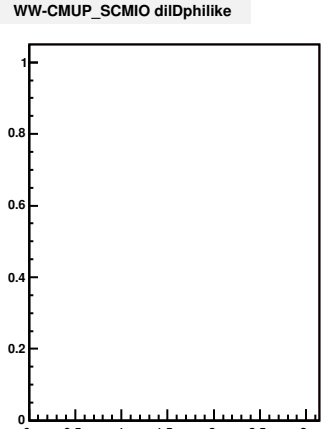
WZ-CMUP_SCMIO dilDphilike



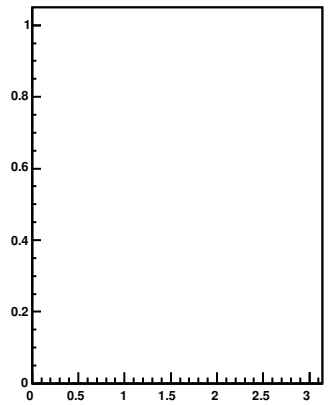
ZZ-CMUP_SCMIO dilDphilike



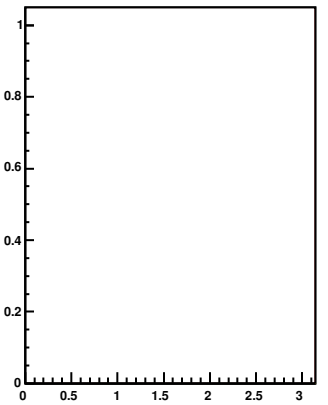
WW-CMUP_SCMIO dilDphilike



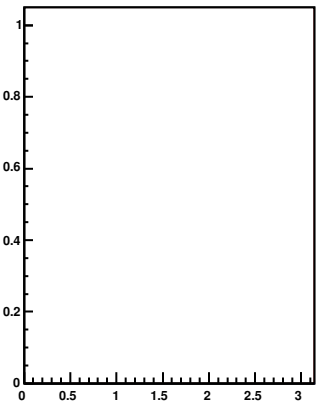
wgamma-CMUP_SCMIO dilDphilike



ttbar-CMUP_SCMIO dilDphilike



higgsww-CMUP_SCMIO dilDphilike



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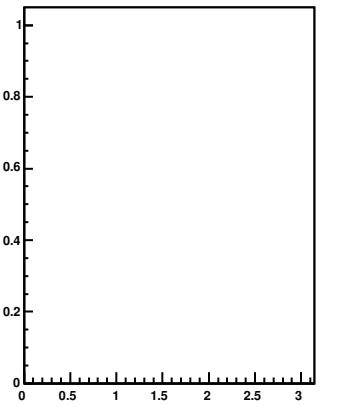

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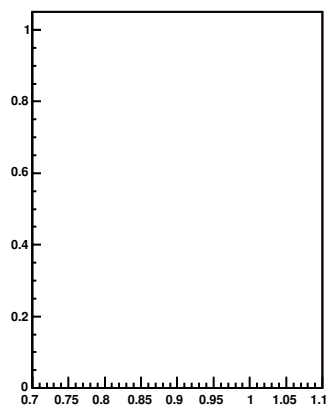

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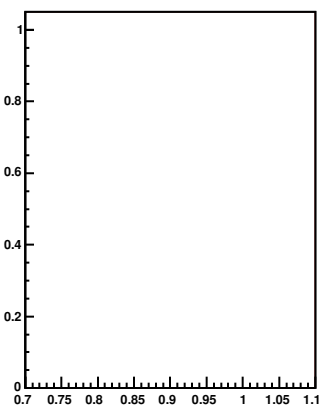

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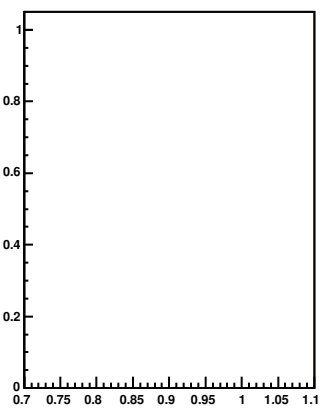

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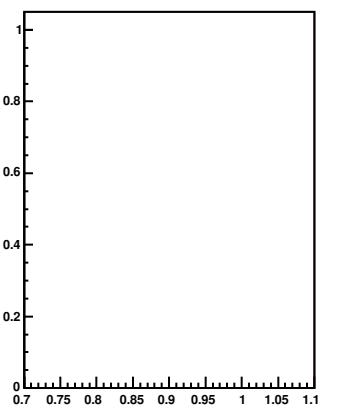

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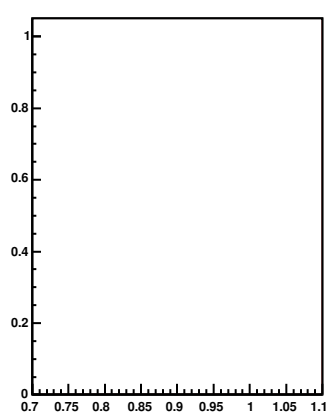

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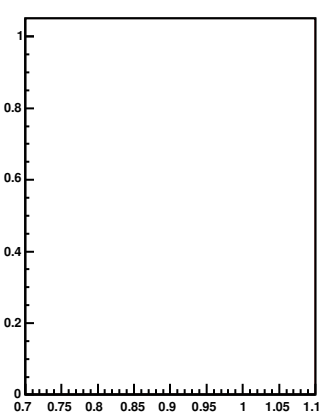

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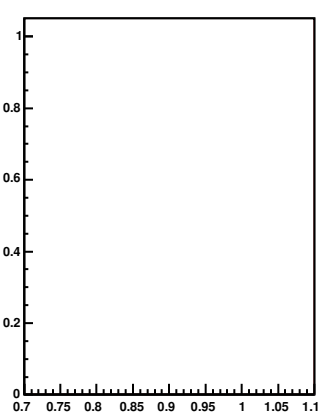

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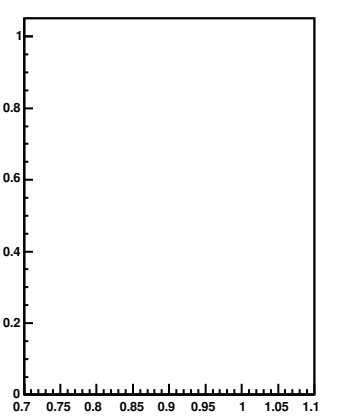

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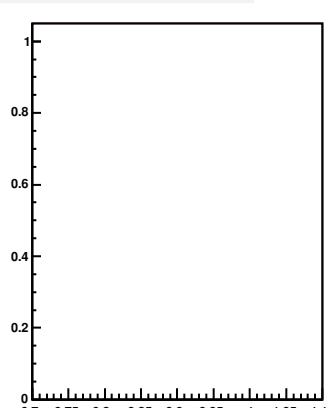

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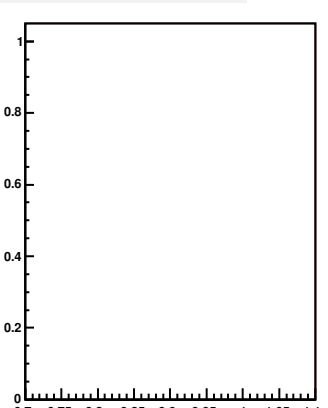

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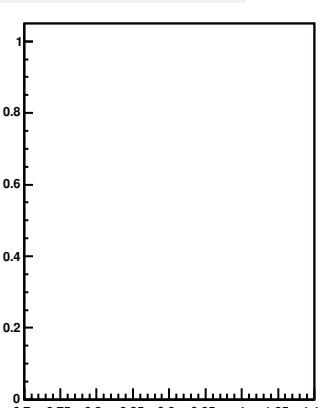
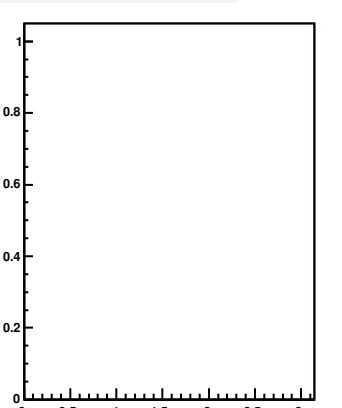
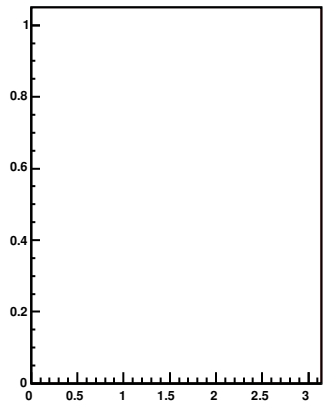


Zee-CMX_SCMIO dilDphilike



Zmumu-CMX_SCMIO dilDphilike



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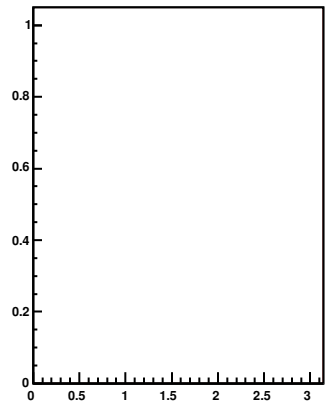
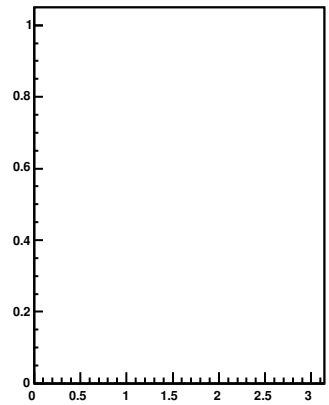
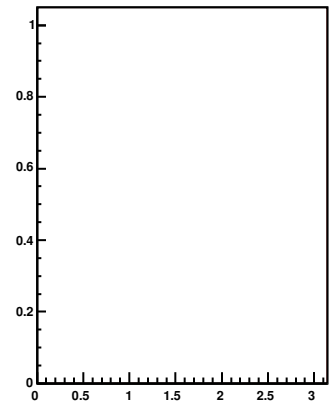


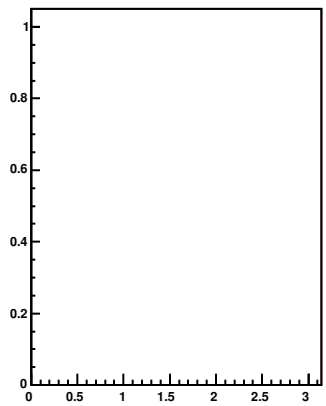
fake-CMX_SCMIO dilDphilike



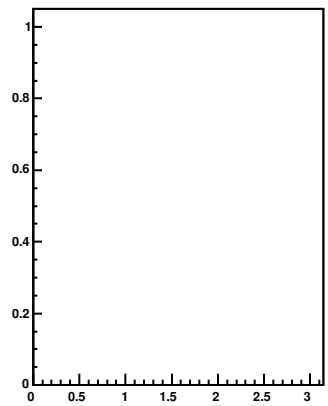
WZ-CMX_SCMIO dilDphilike



ZZ-CMX_SCMIO dilDphilike



WW-CMX_SCMIO dilDphilike



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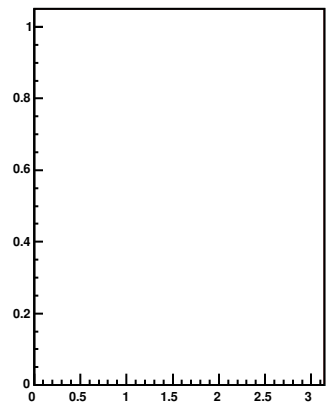

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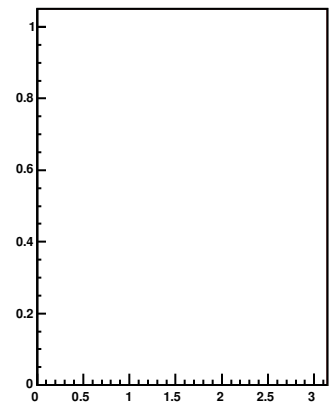

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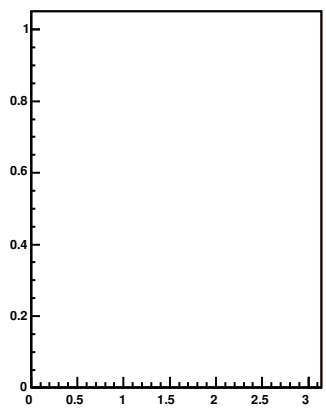

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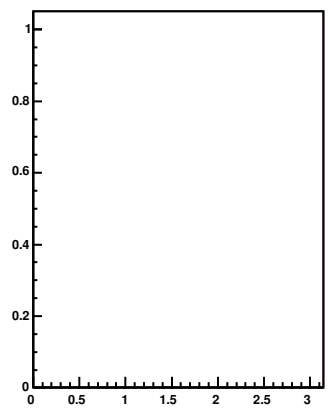

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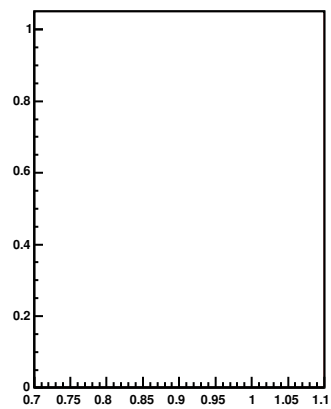

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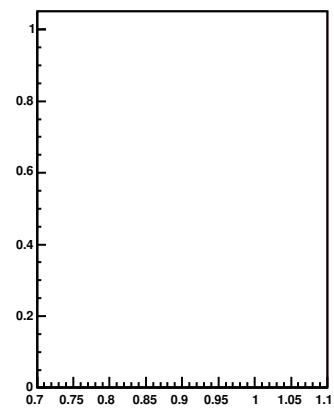

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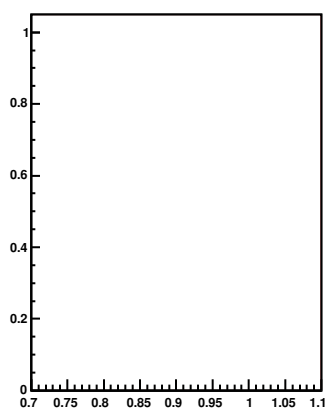

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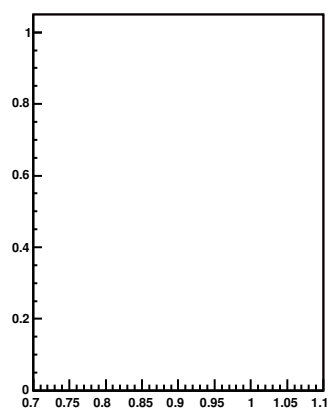

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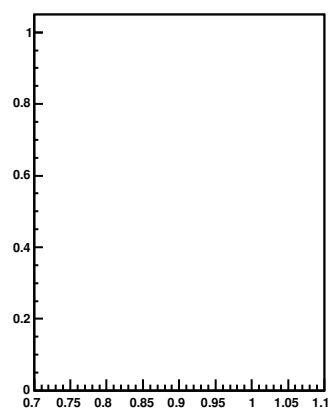

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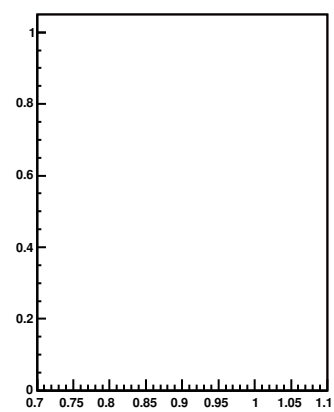

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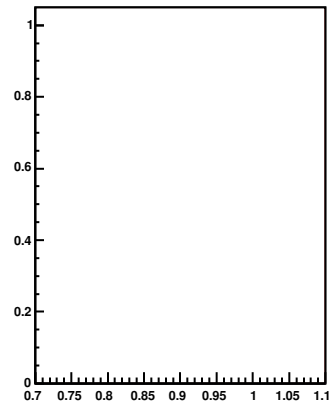

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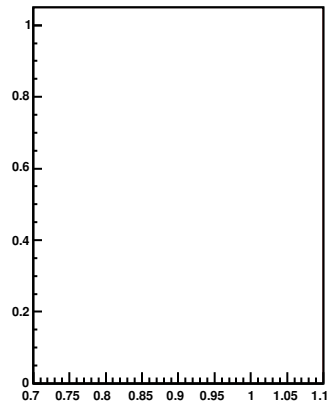

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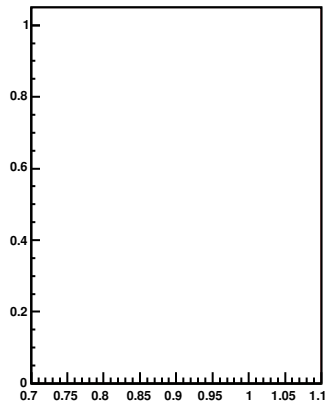

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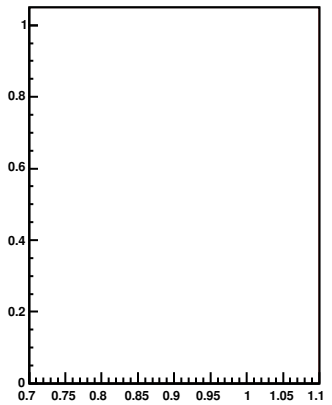

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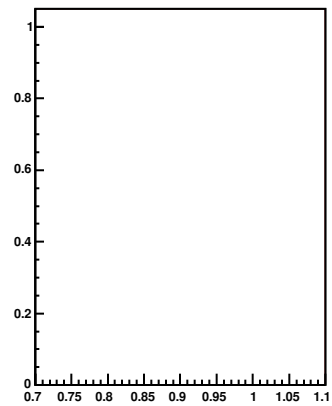
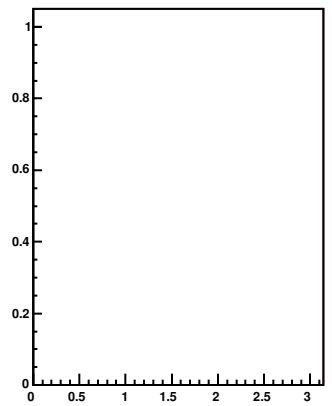


Zee-BMU_SCMIO dilDphilike



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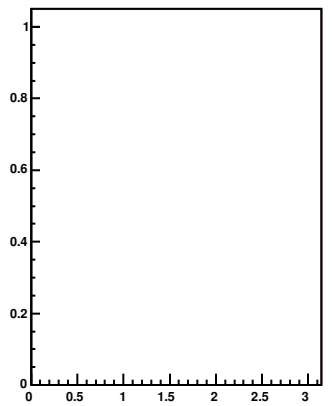

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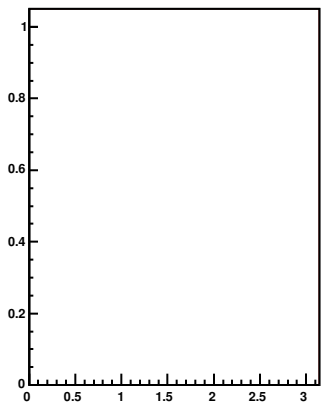

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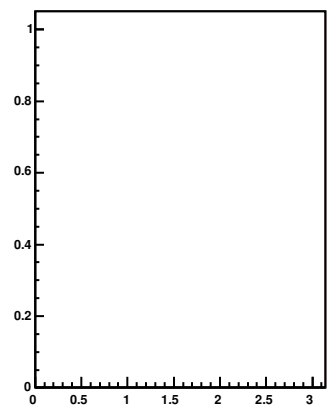

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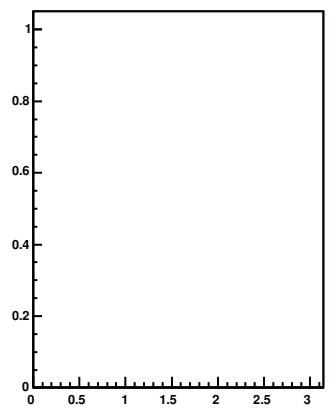

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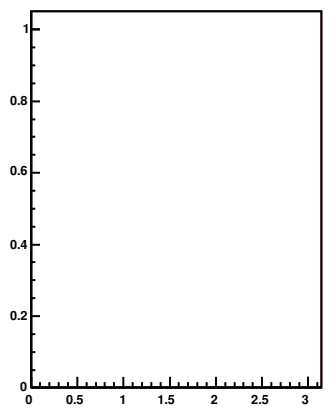

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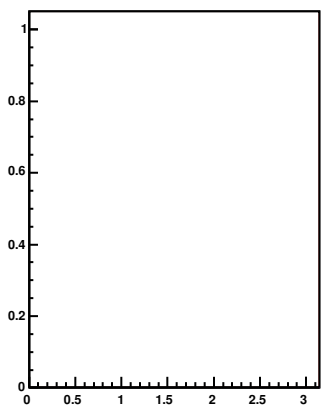

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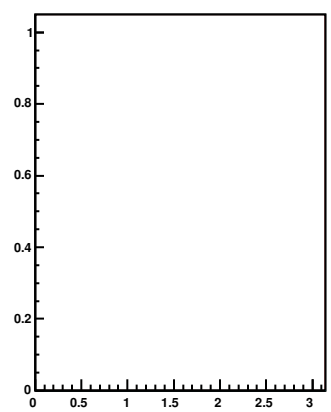

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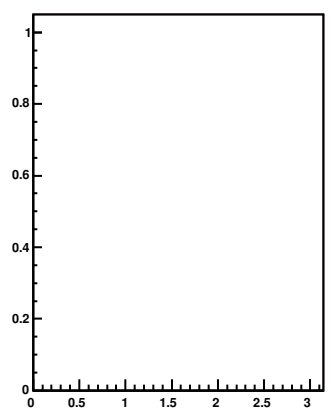

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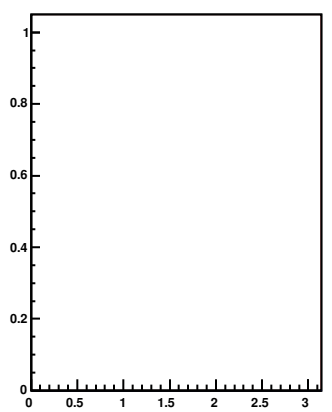

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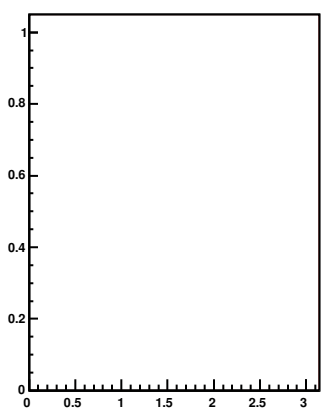

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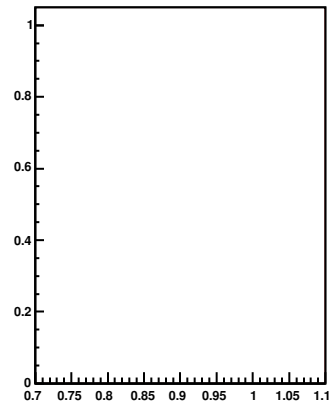

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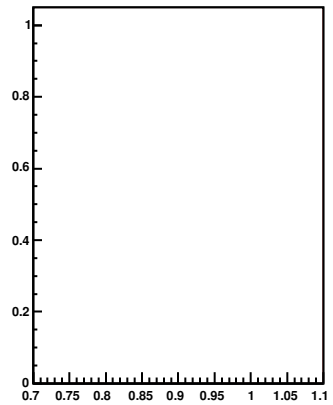

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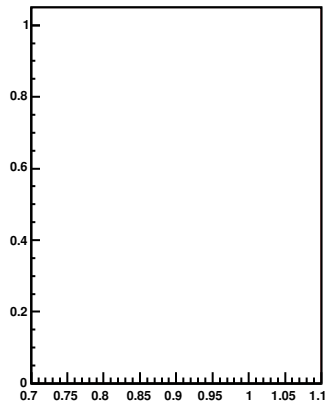

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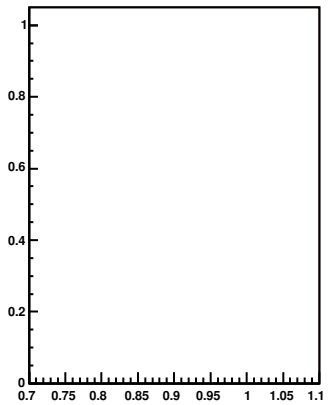

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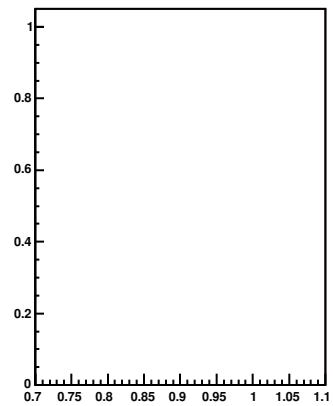

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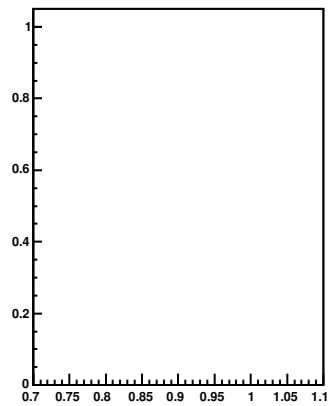

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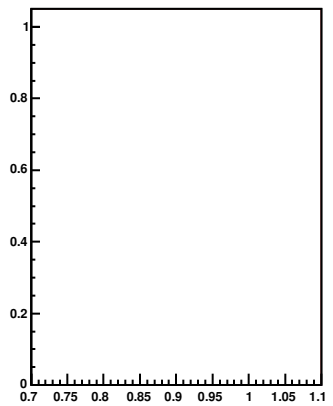

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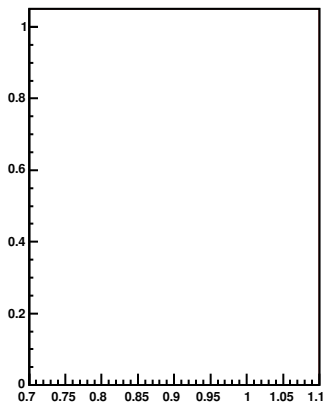

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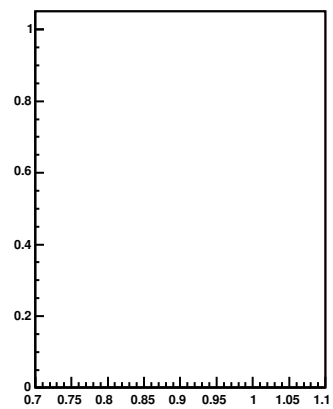

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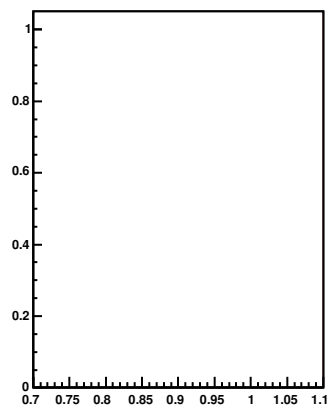

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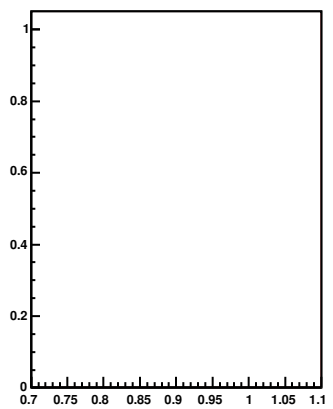
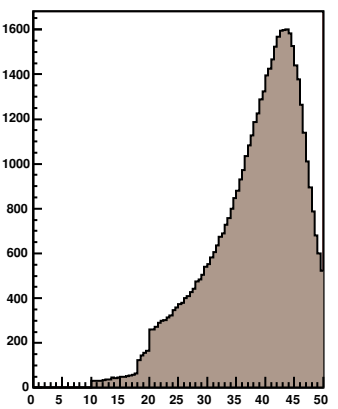


Zee-TCE leptonET



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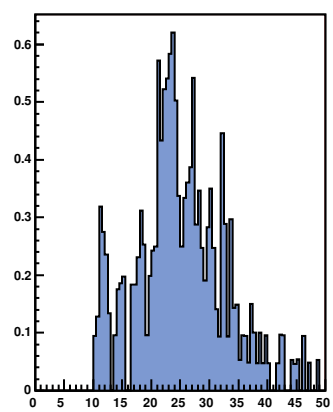

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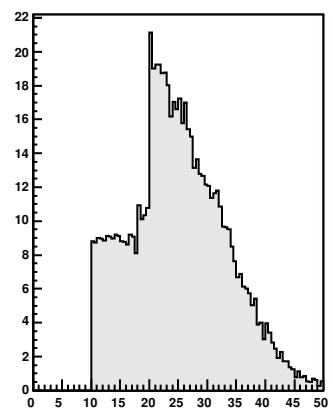
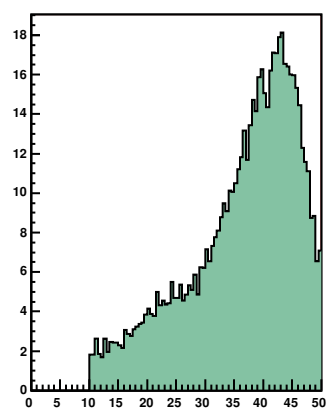


fake-TCE leptonET



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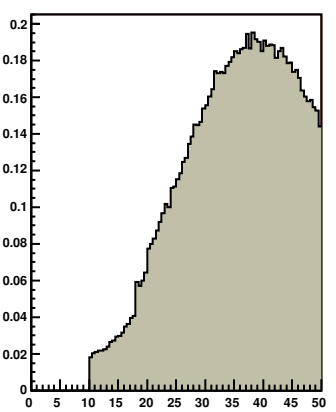

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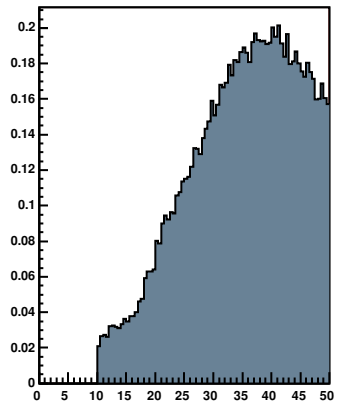

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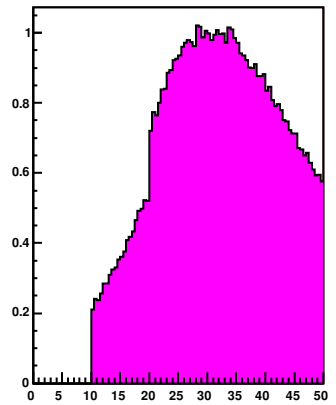
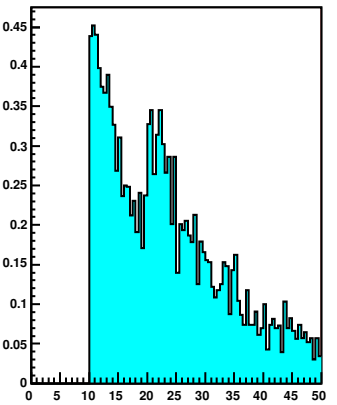


wgamma-TCE leptonET



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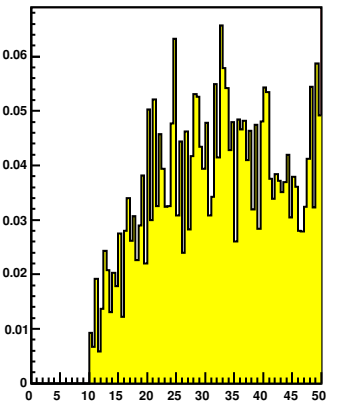

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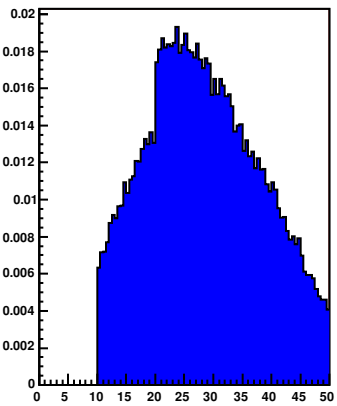
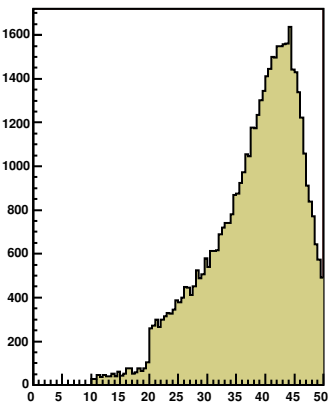
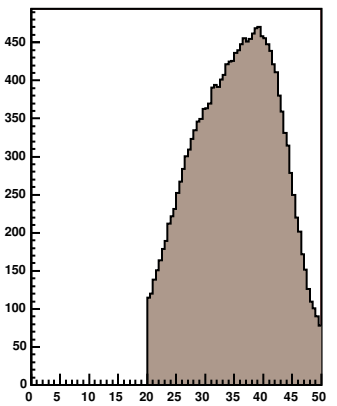


data-TCE leptonET



Zee-PHX leptonET



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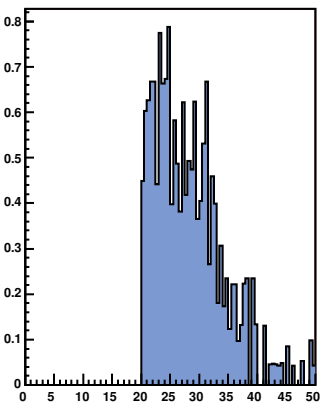

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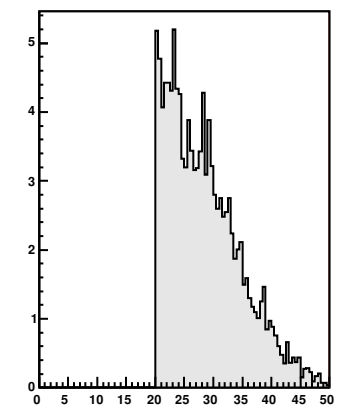
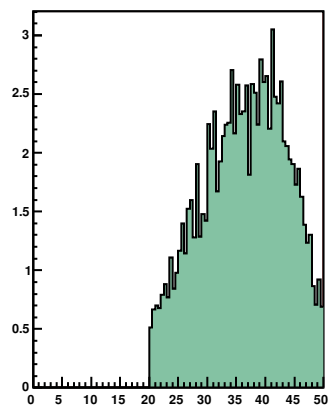


fake-PHX leptonET



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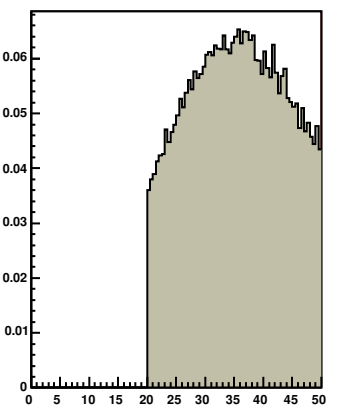

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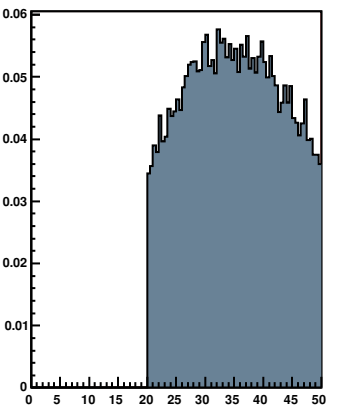

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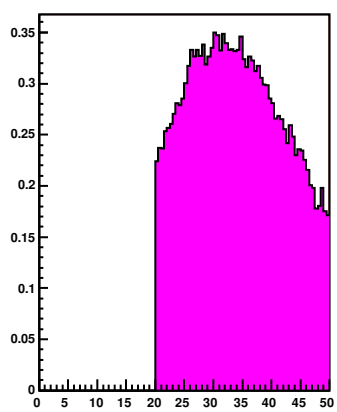

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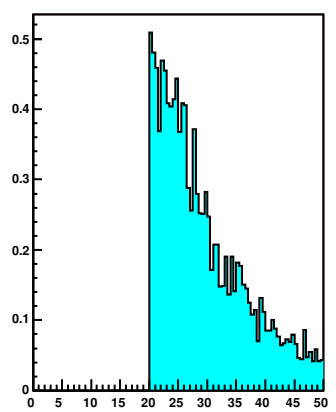

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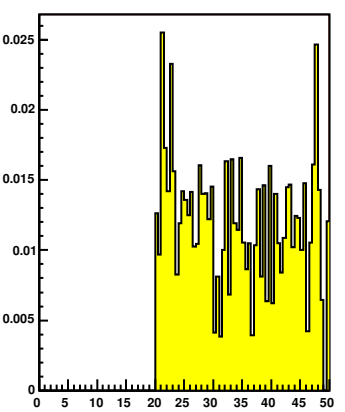

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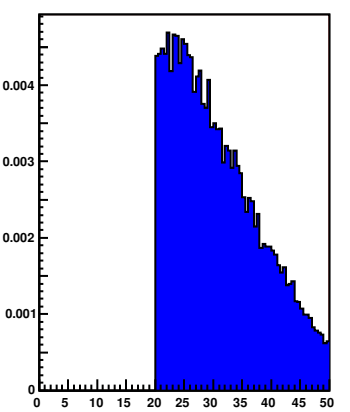

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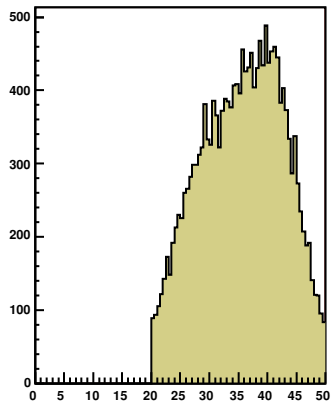

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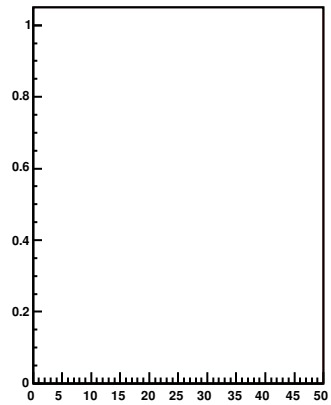

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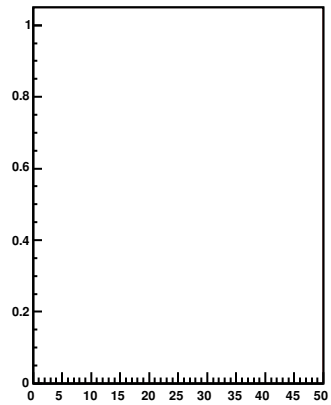

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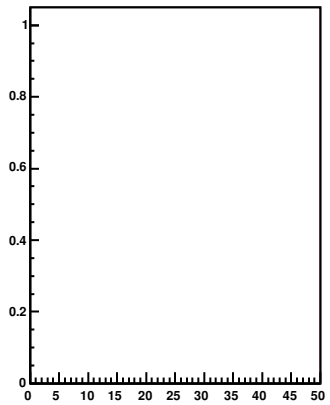

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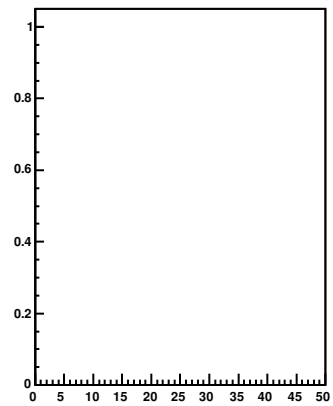

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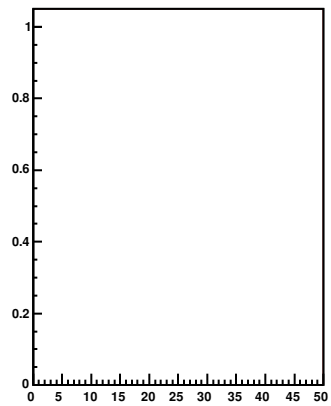

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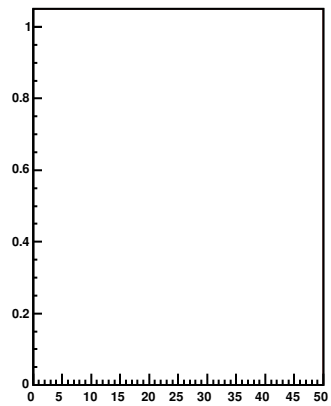

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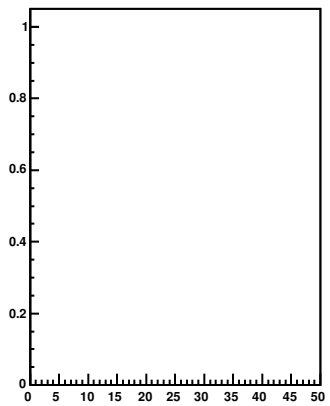

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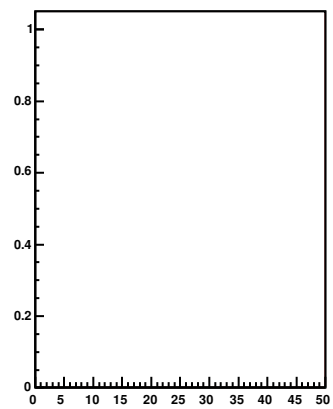

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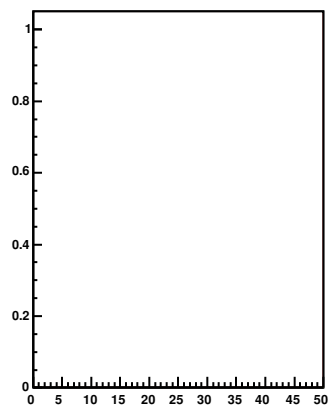

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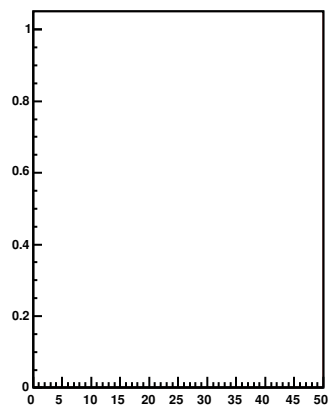

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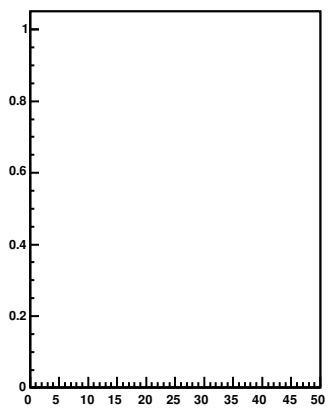

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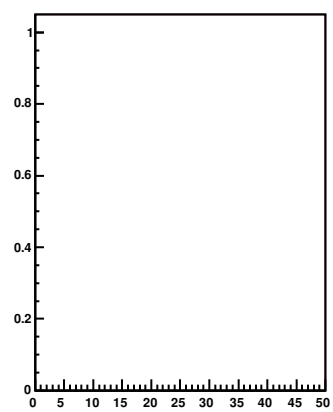

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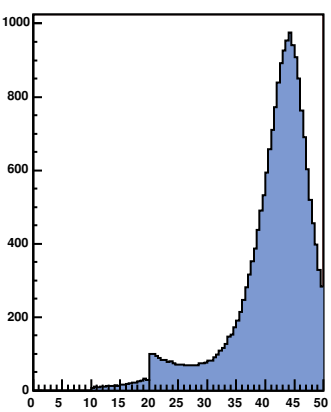

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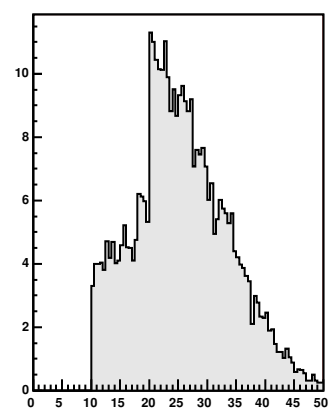

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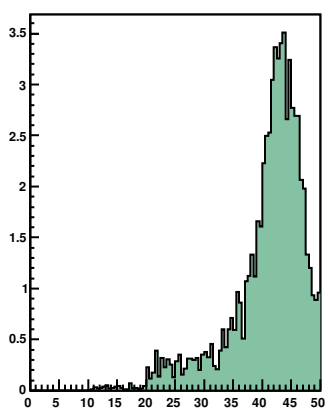

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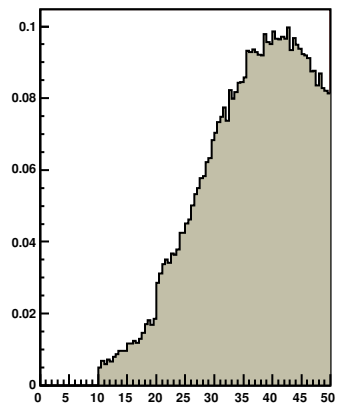

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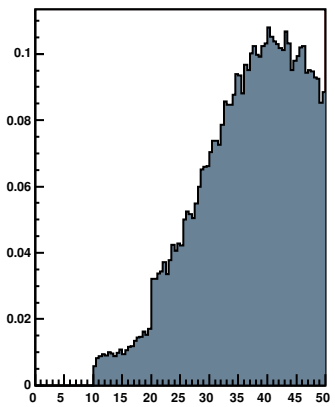

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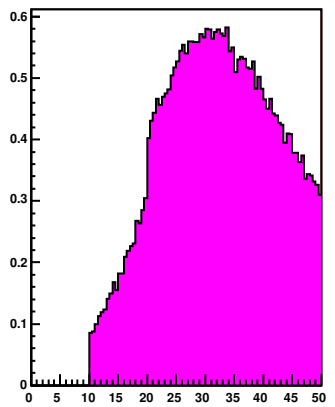

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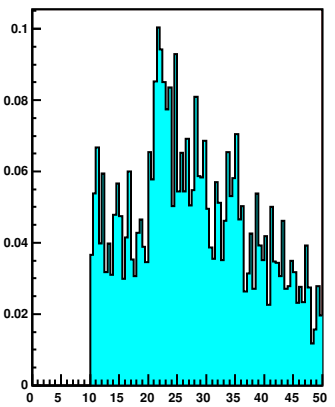

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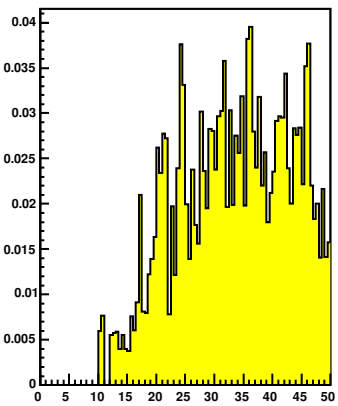

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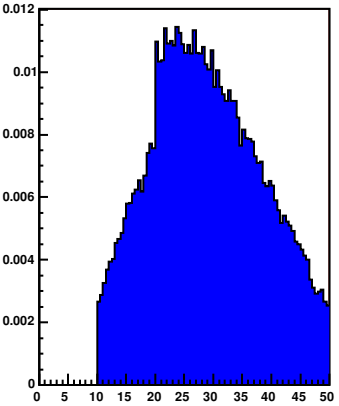

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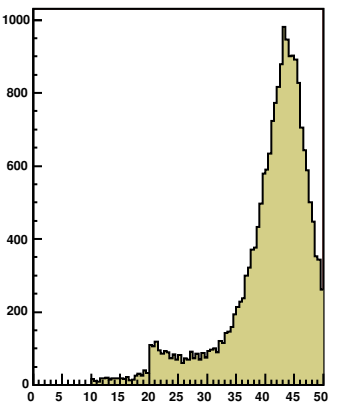

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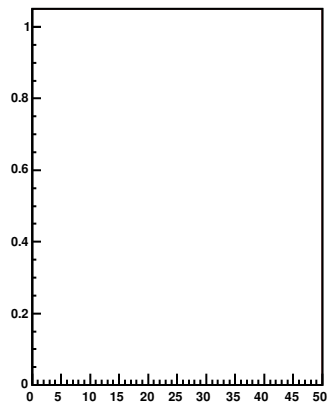

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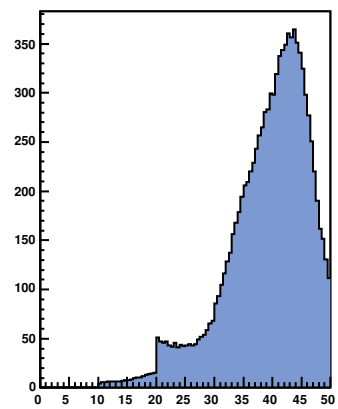

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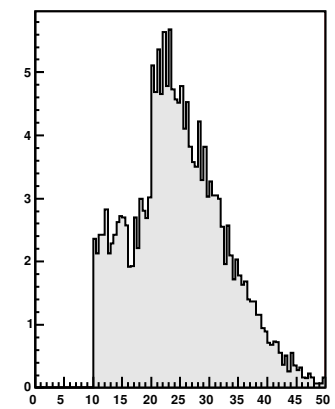

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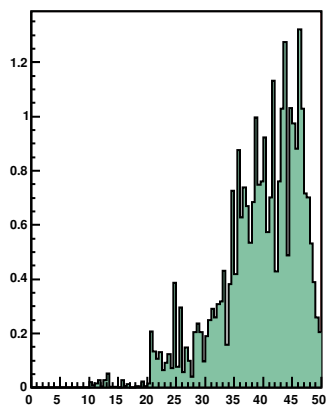

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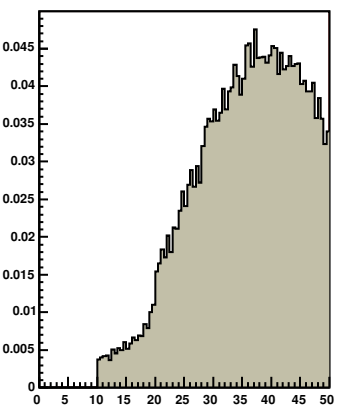

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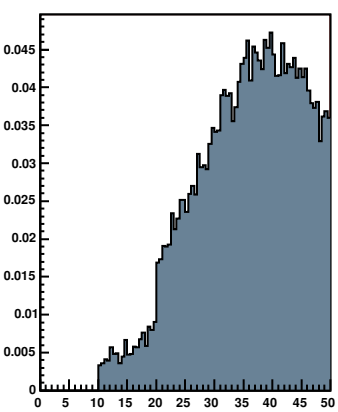

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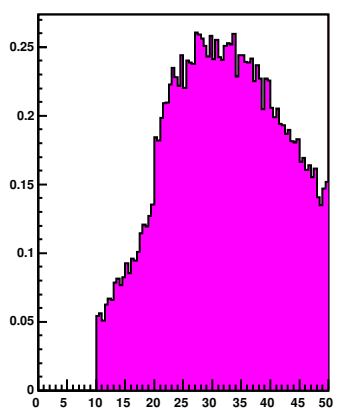

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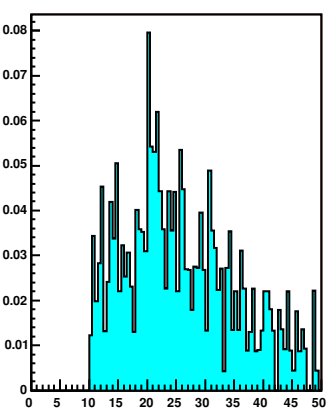

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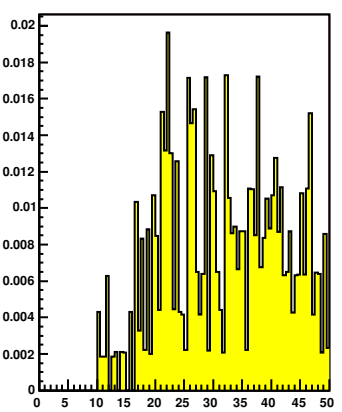

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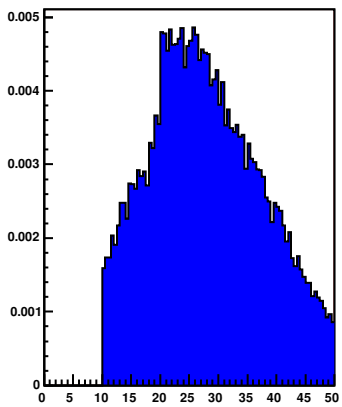

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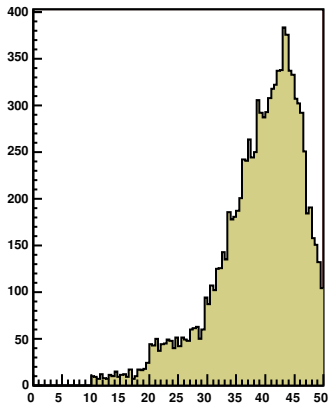

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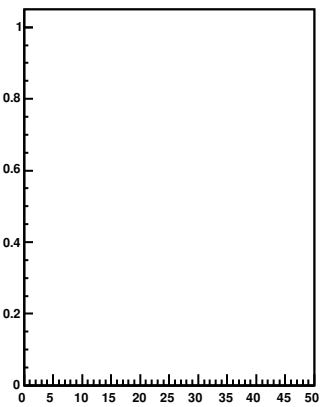

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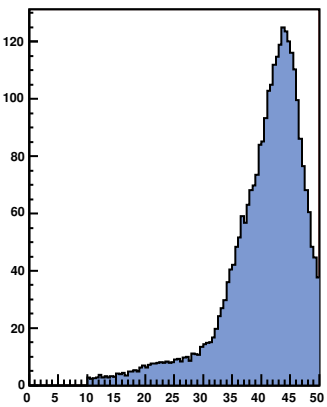

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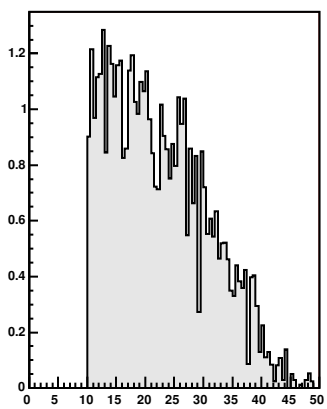

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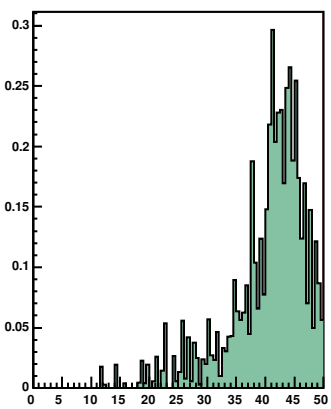

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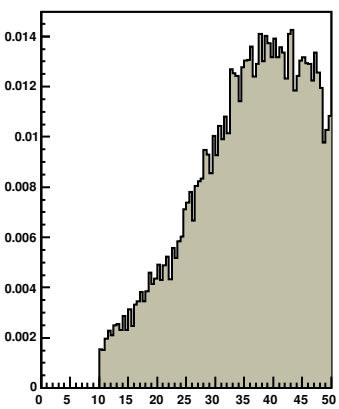

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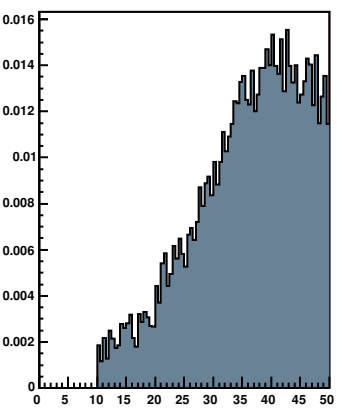

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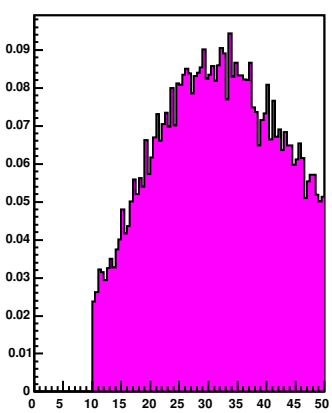

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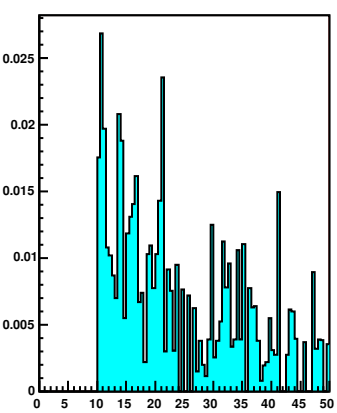

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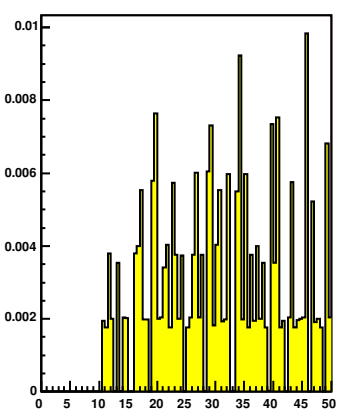

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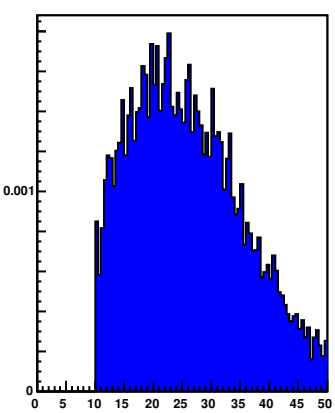

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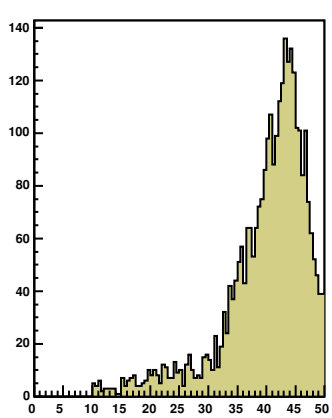

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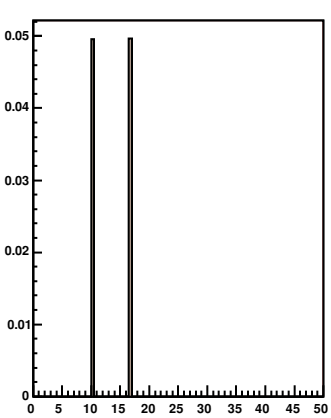

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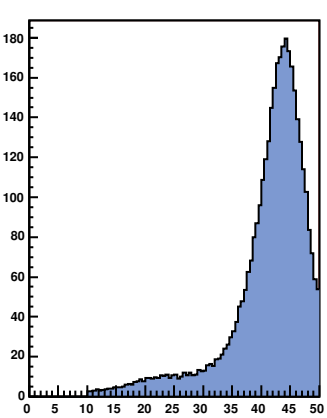

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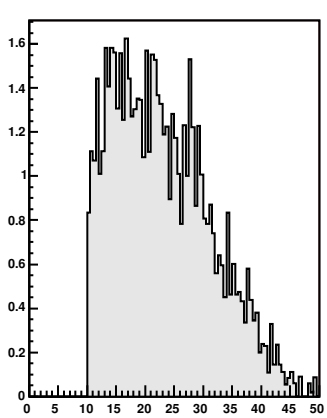

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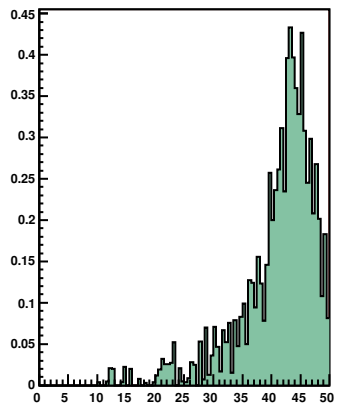

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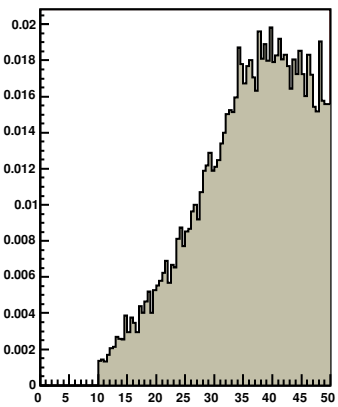

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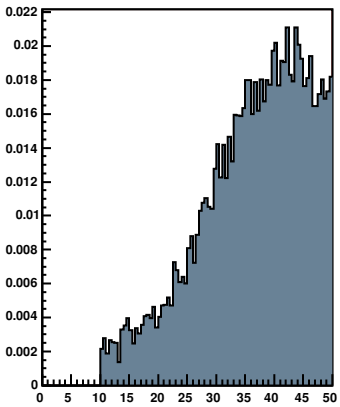

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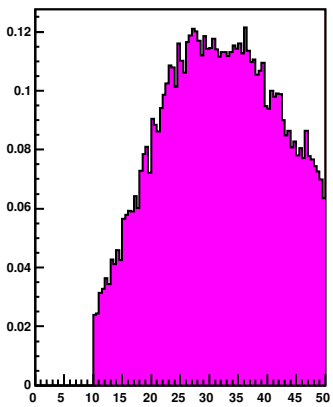

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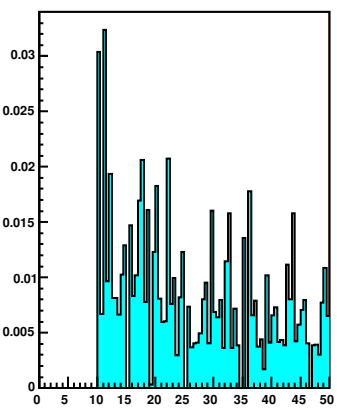

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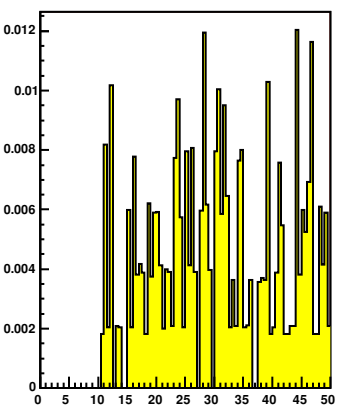

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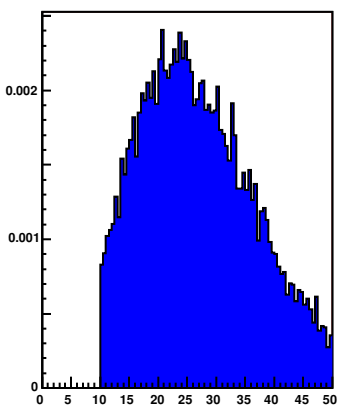

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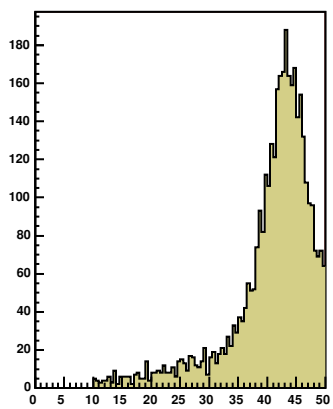

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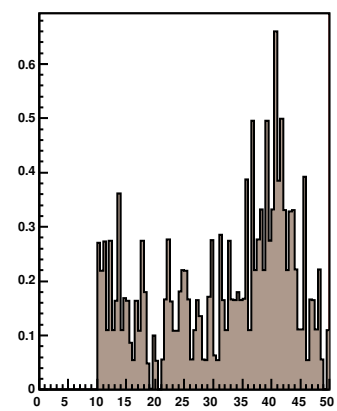

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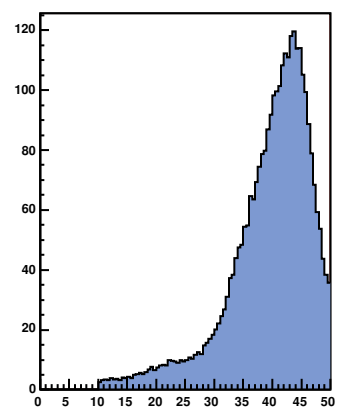

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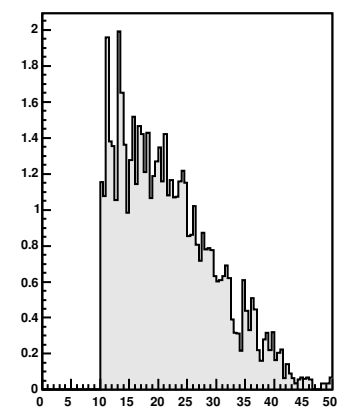

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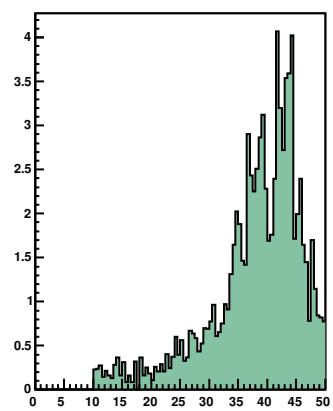

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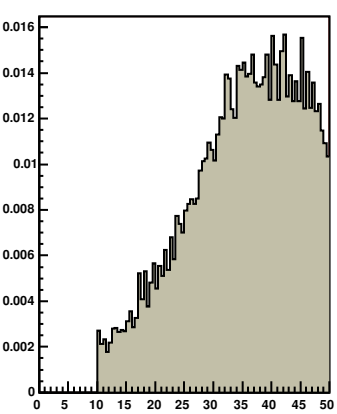

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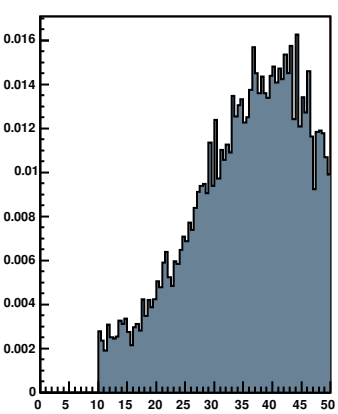

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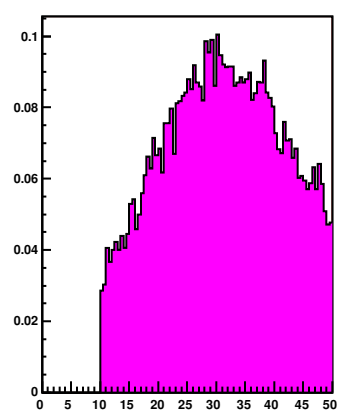

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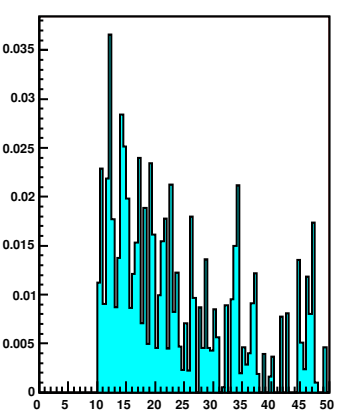

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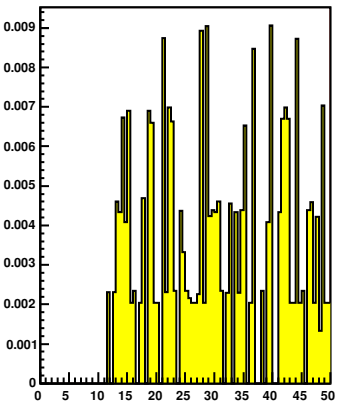

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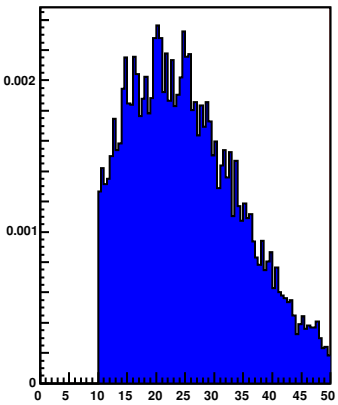

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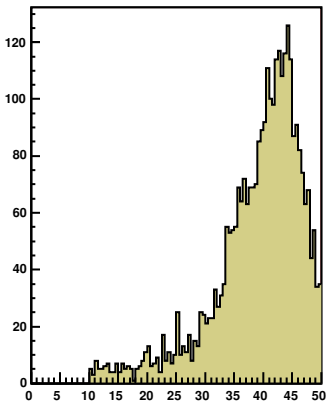

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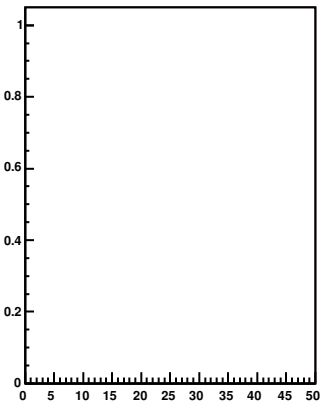

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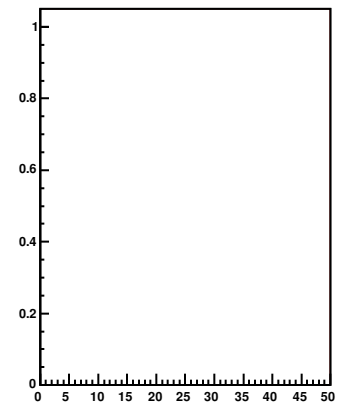

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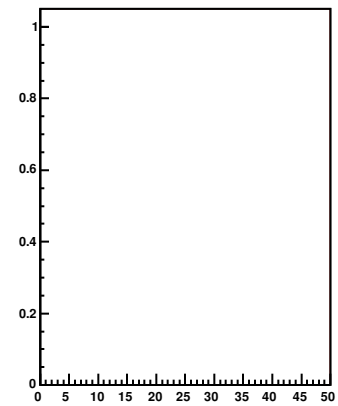

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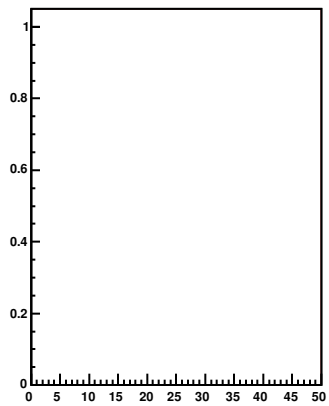

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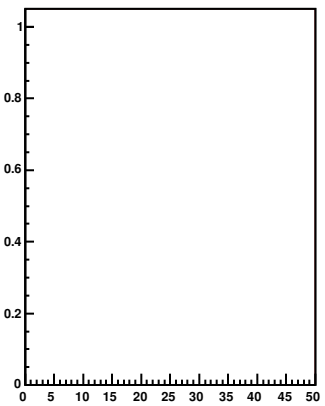

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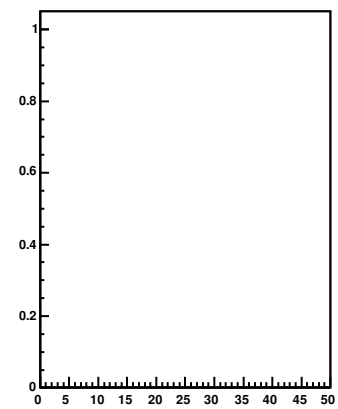

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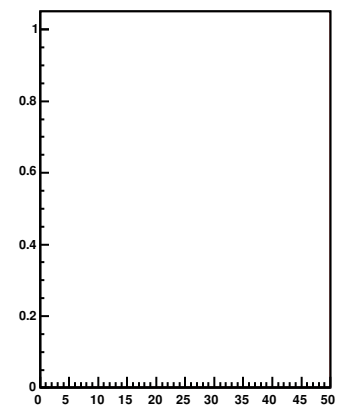

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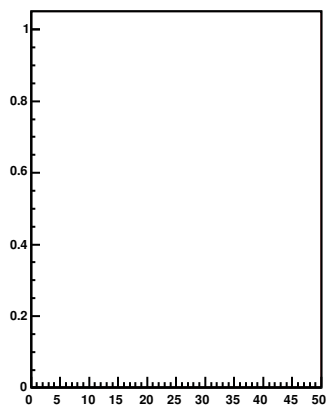

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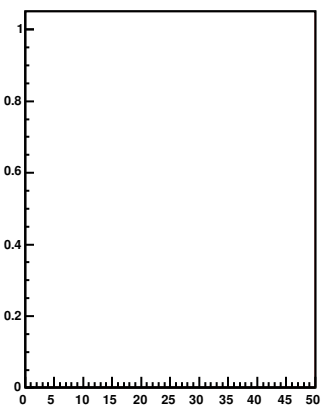

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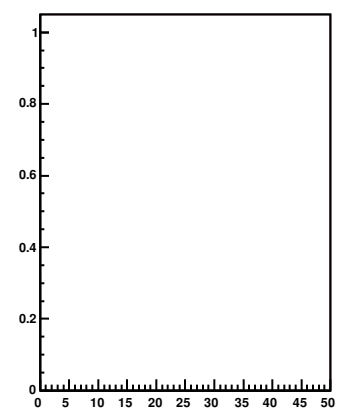

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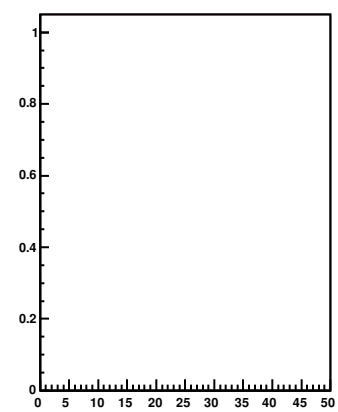

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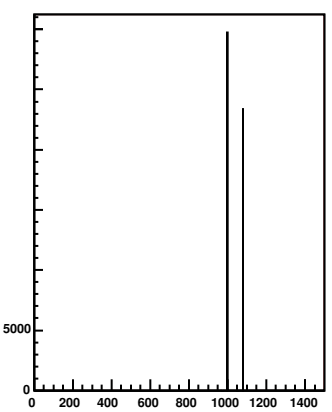

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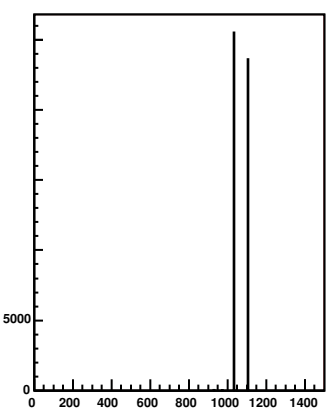

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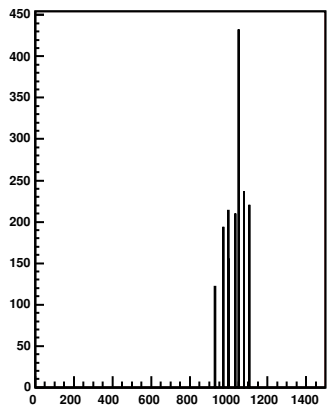

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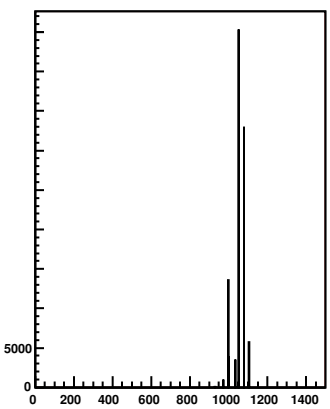

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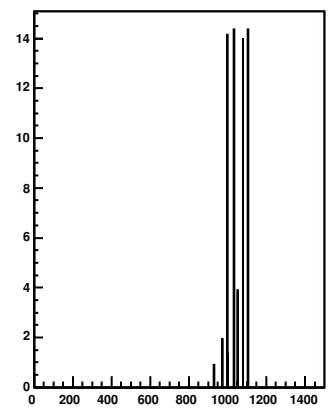

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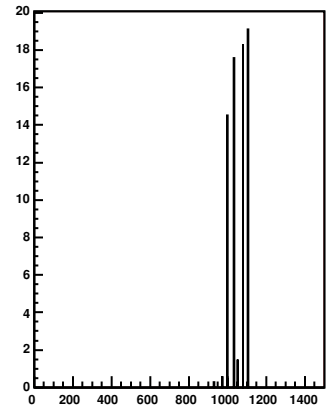

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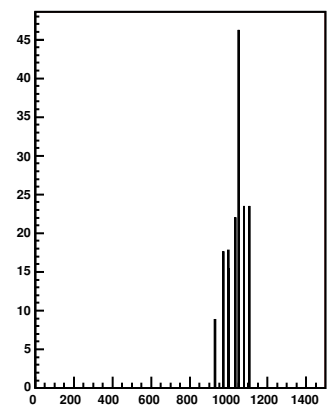

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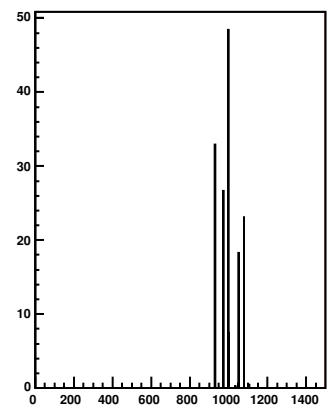

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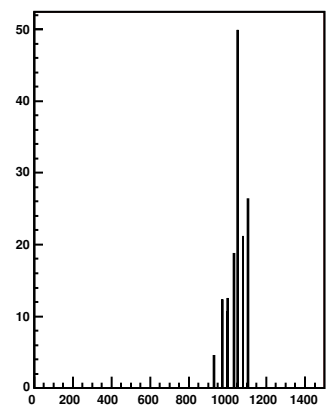

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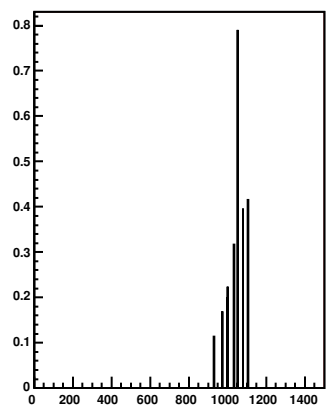

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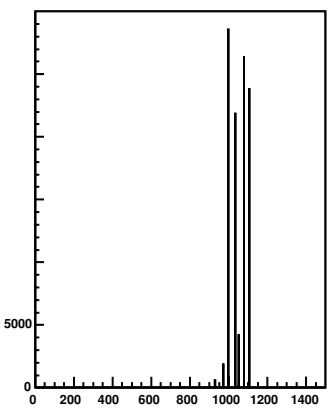

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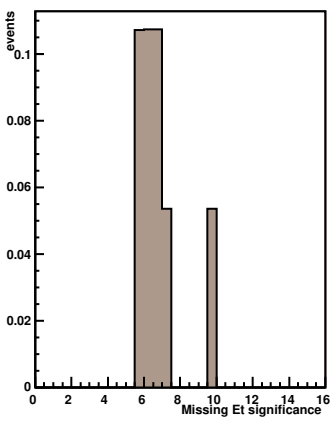

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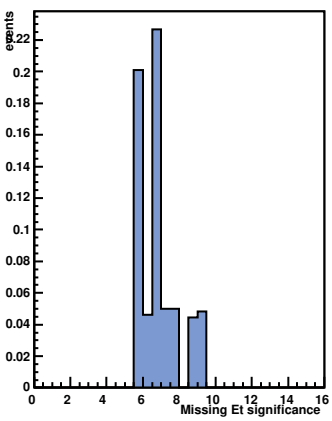

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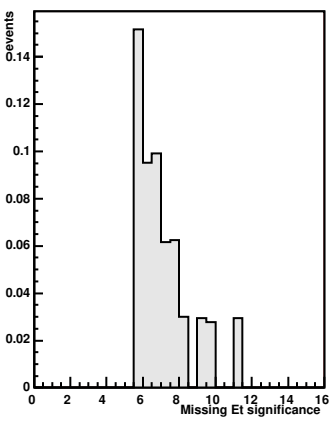

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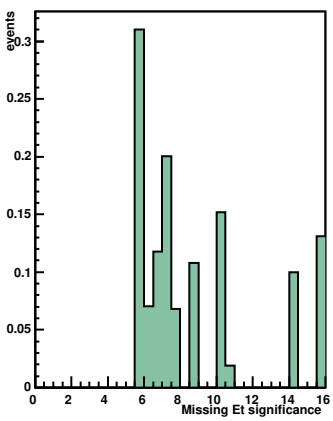

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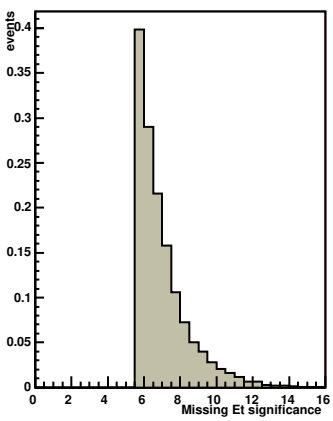

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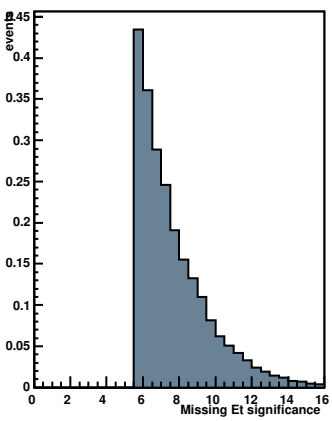

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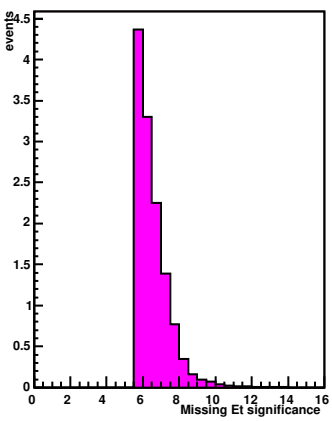

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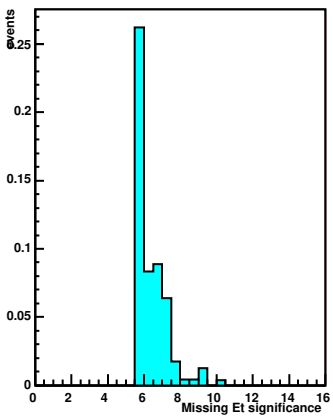

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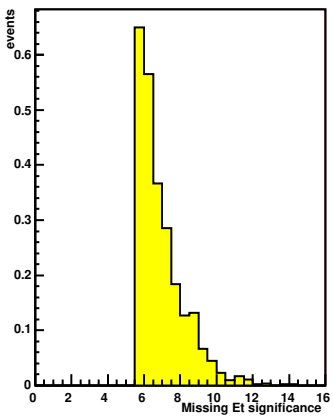

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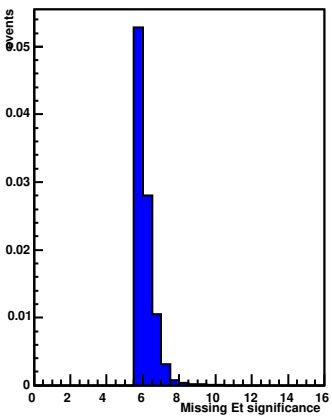

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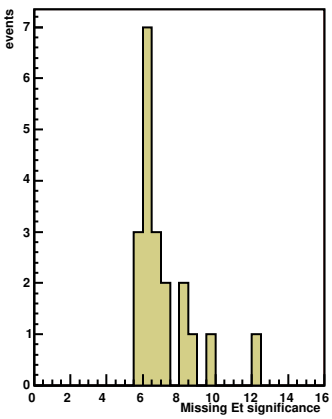
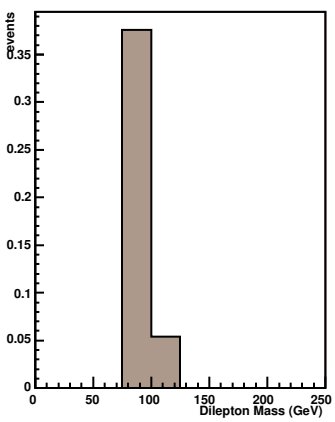


Zee-WW dilepton mass



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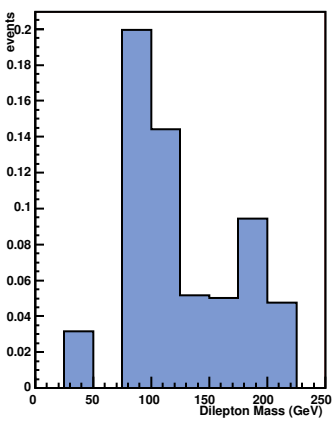

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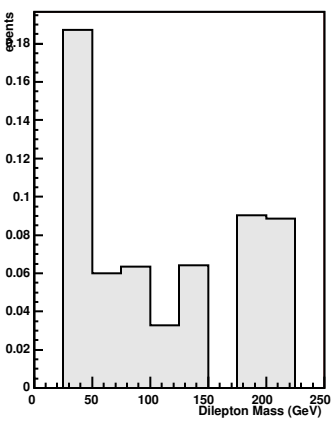

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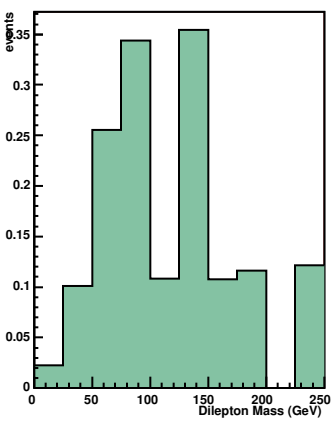

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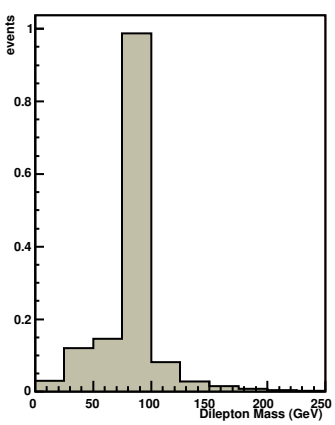

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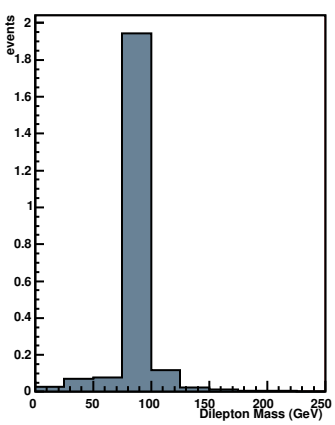

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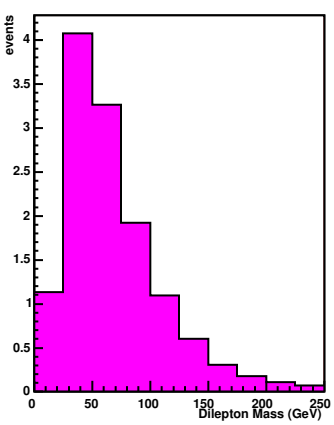

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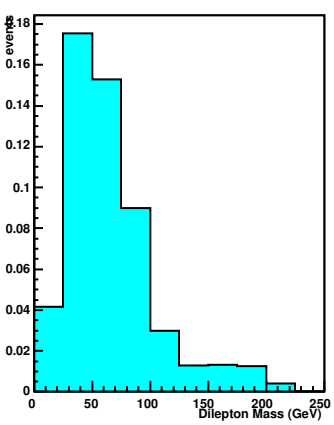

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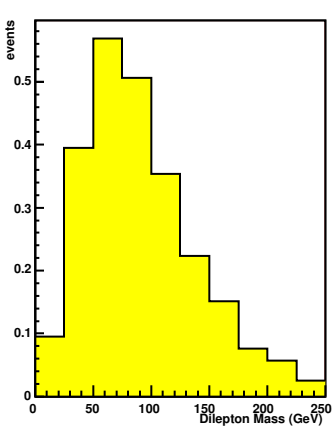

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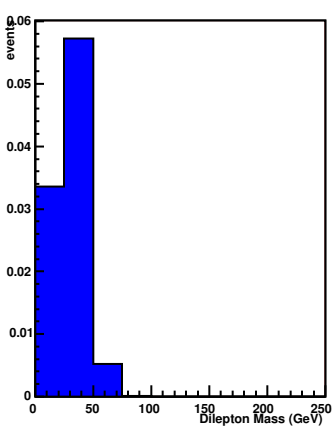

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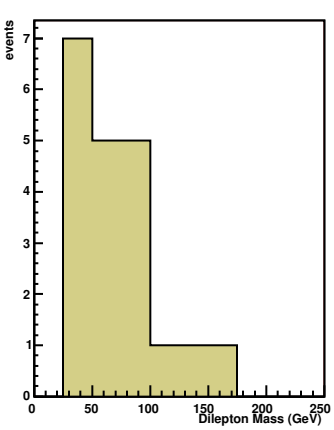

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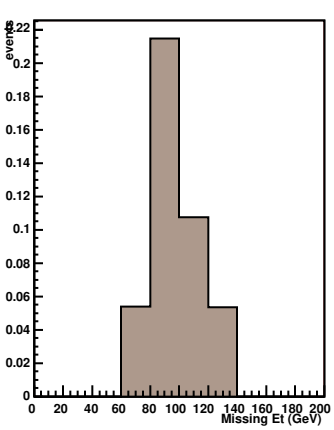

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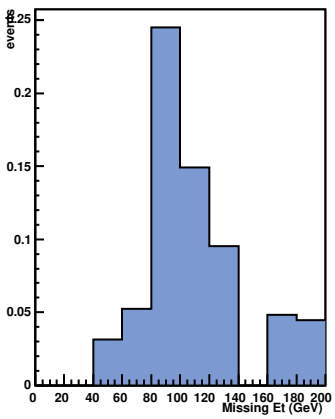

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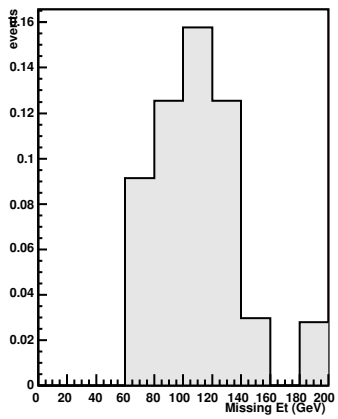

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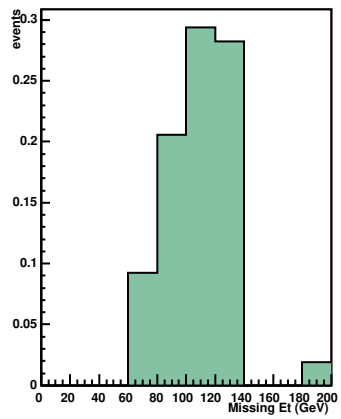

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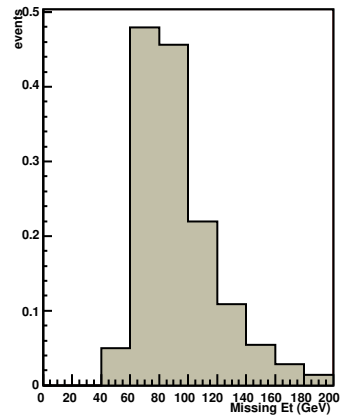

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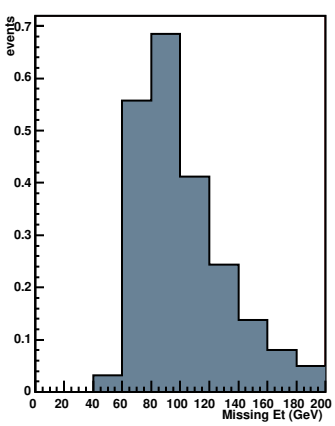

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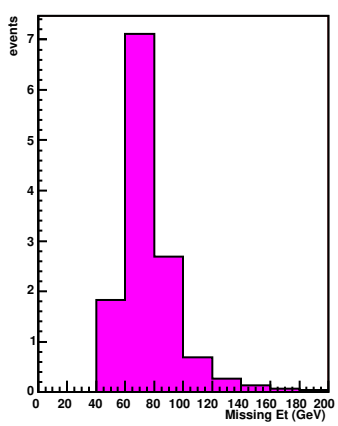

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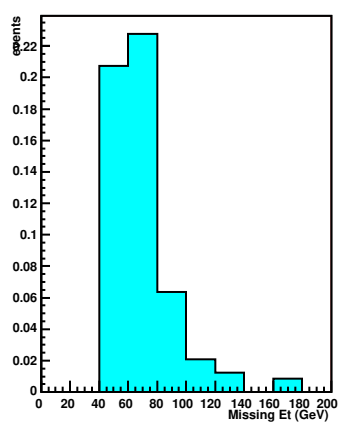

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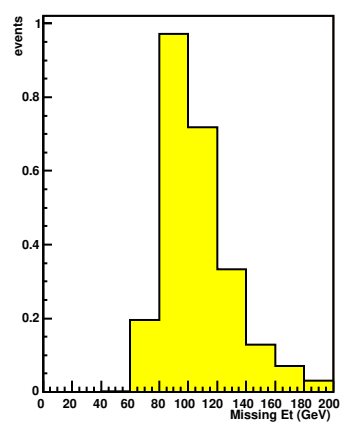

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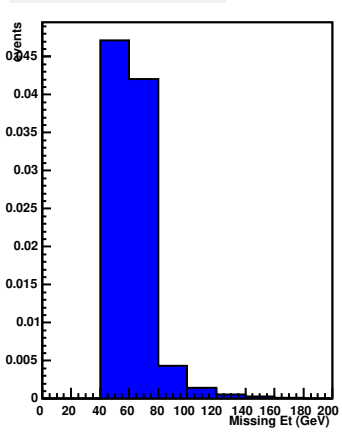

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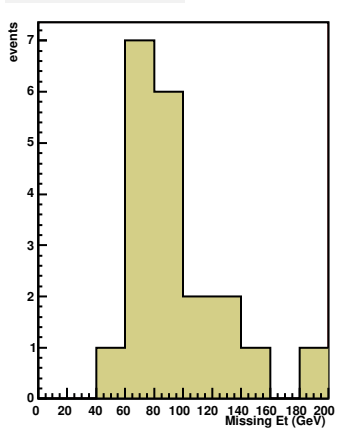

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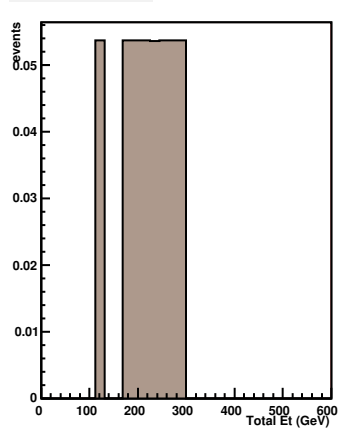

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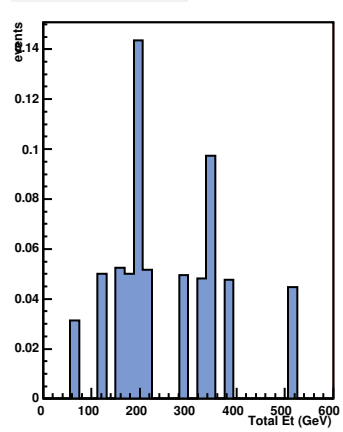

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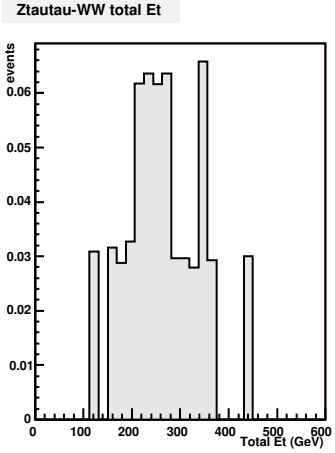

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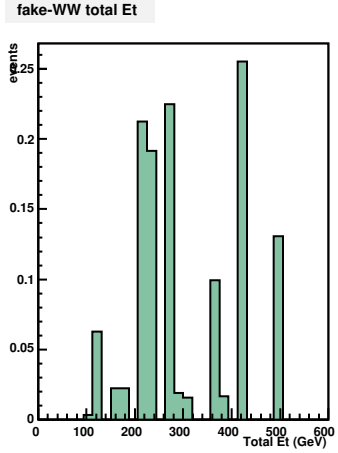

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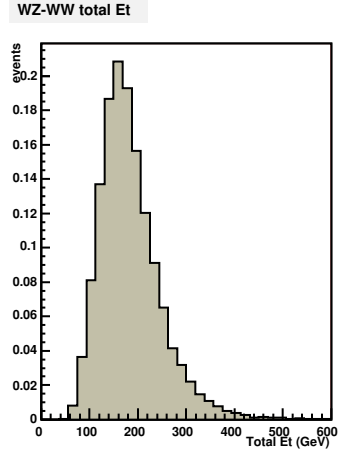

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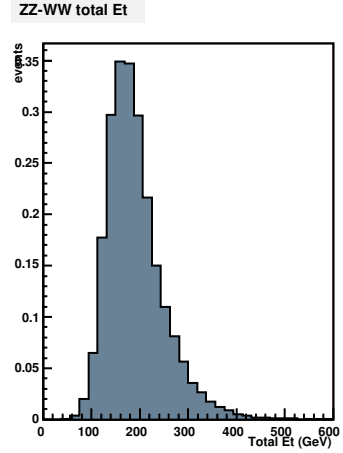

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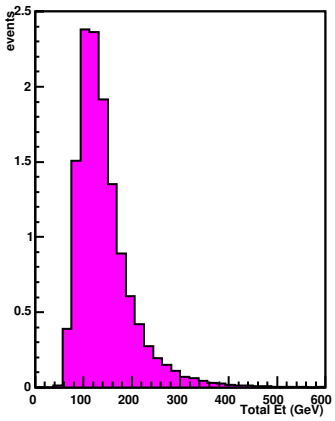

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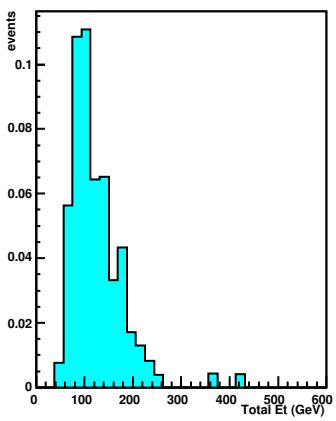

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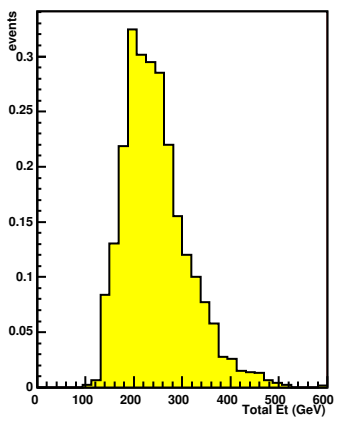

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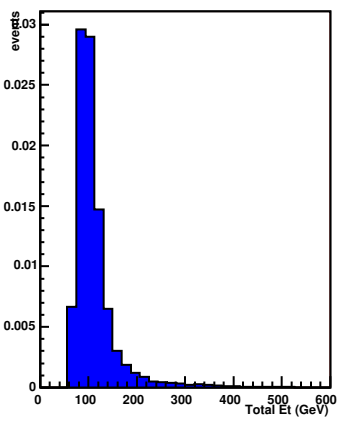

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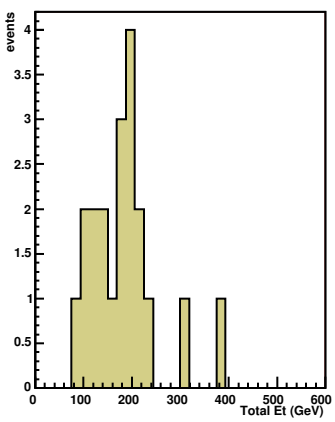

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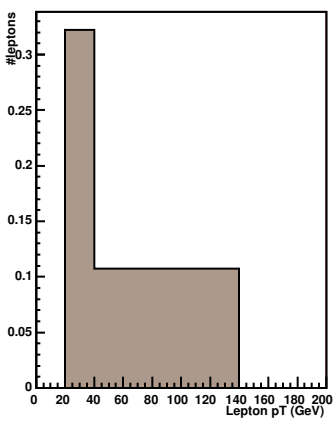

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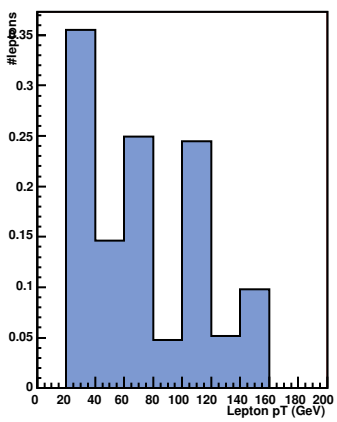

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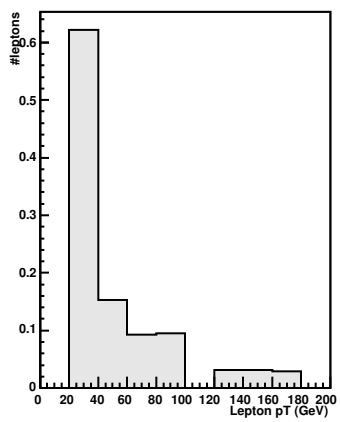

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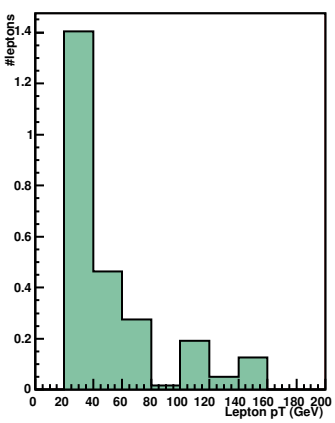

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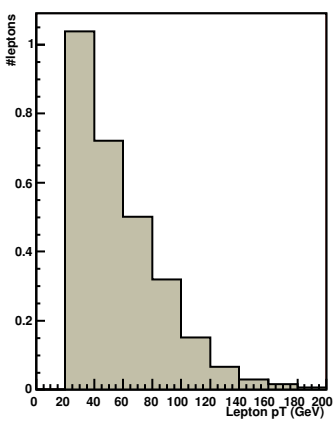

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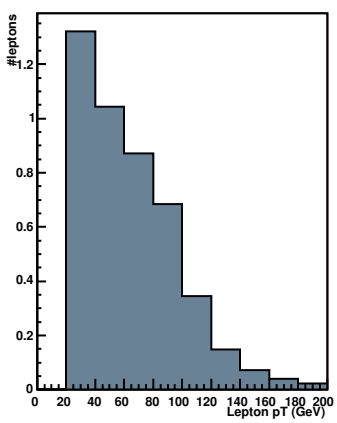

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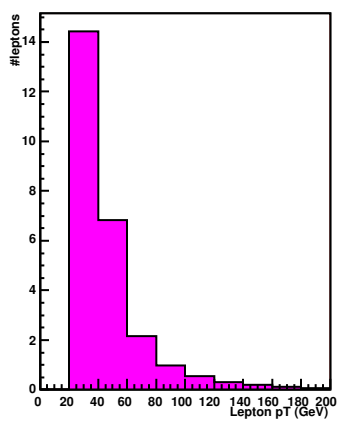

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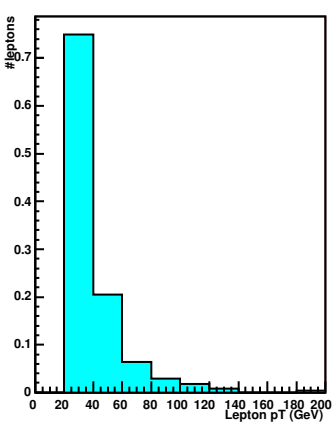

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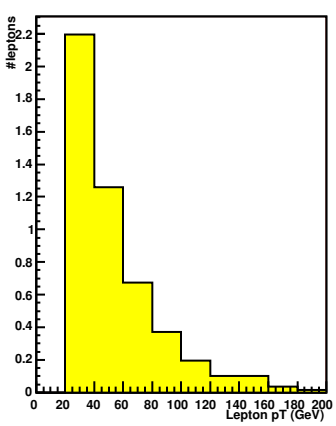

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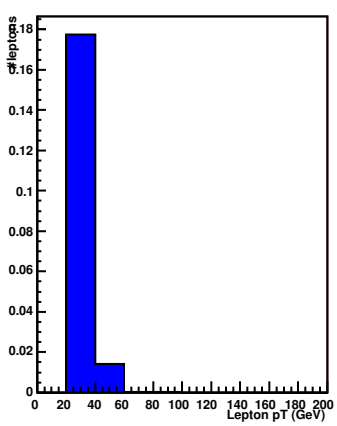

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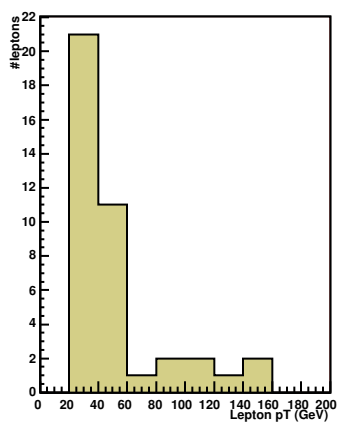

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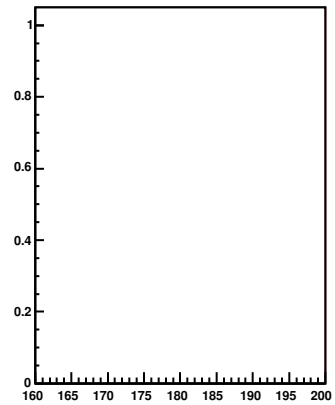

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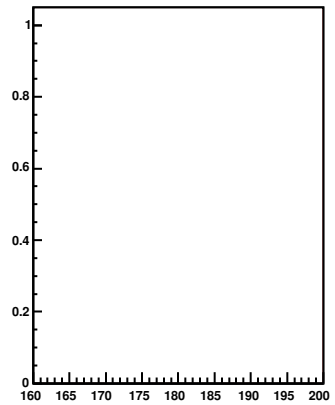

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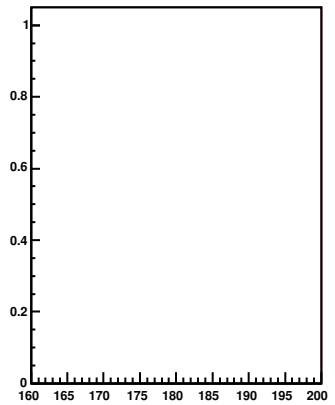

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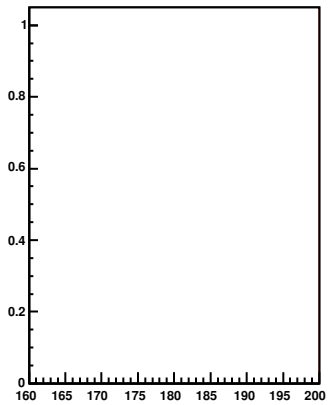

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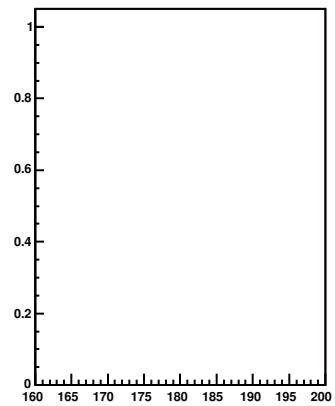

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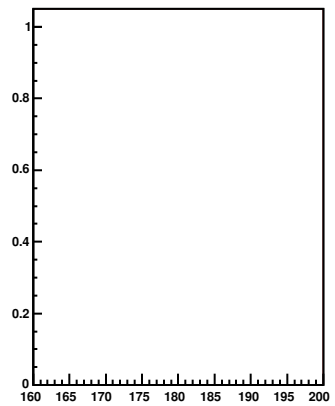

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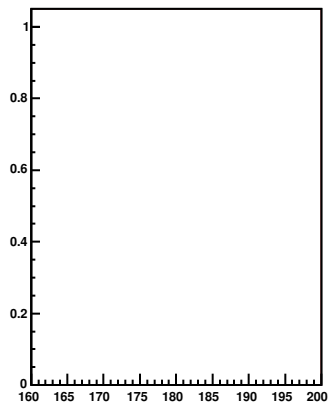

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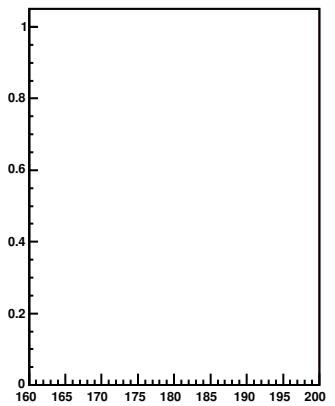

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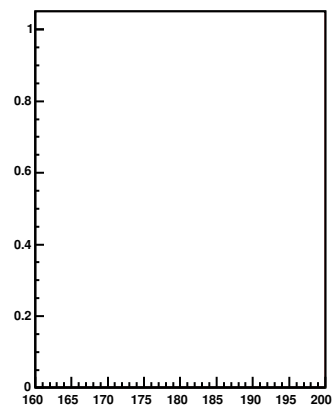

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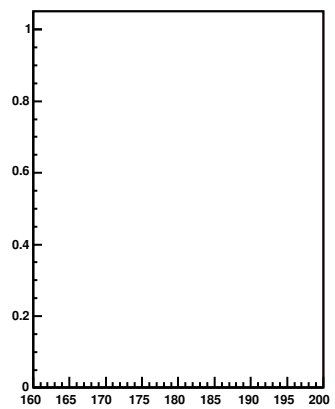

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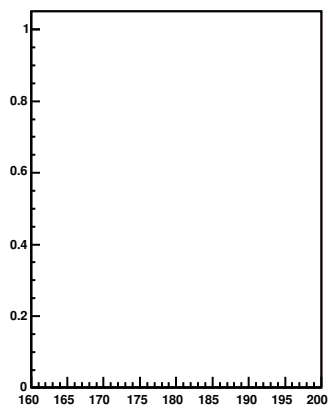

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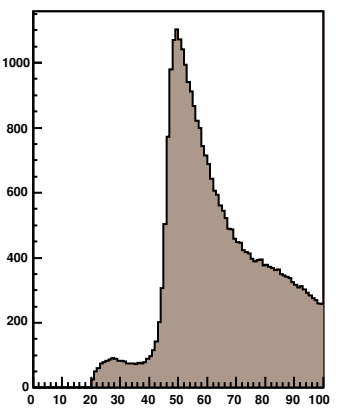

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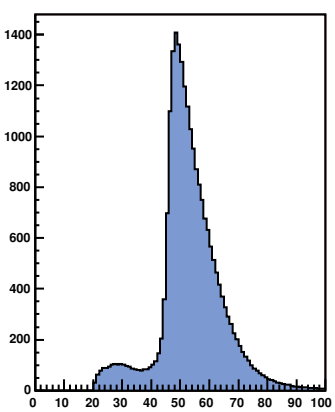

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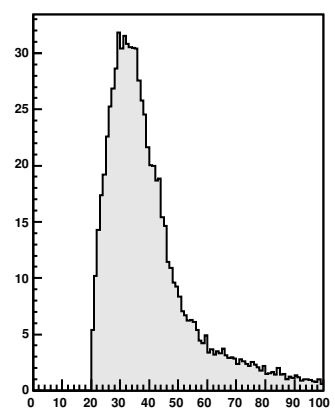

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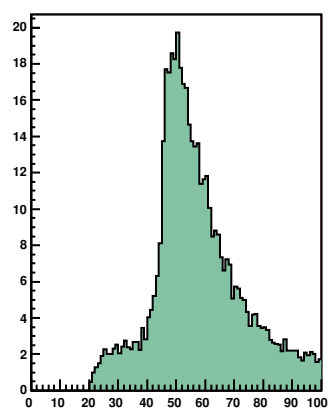

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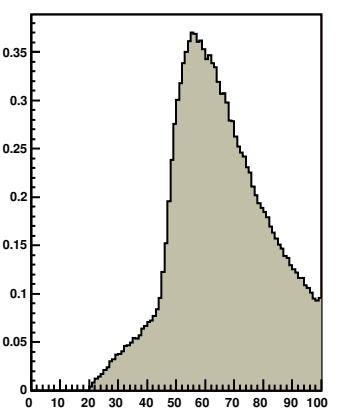

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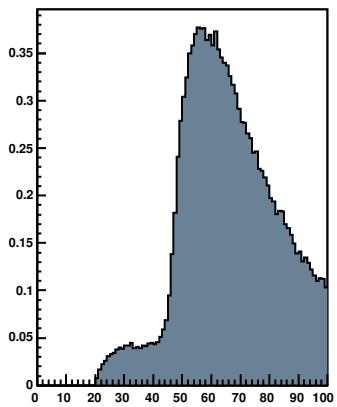

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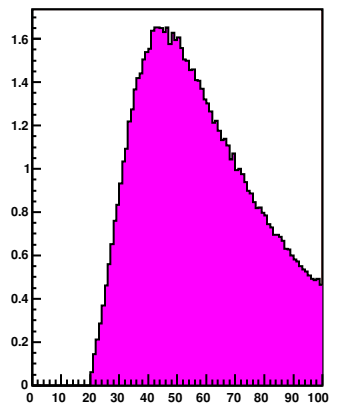

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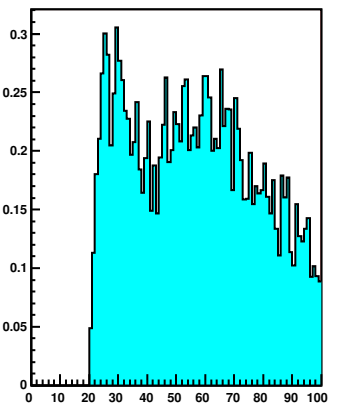

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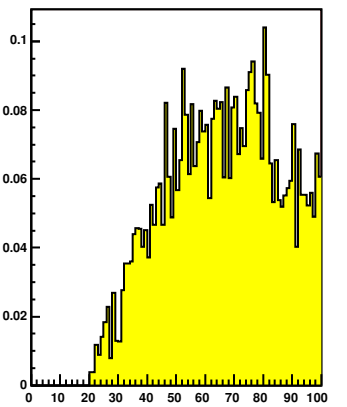

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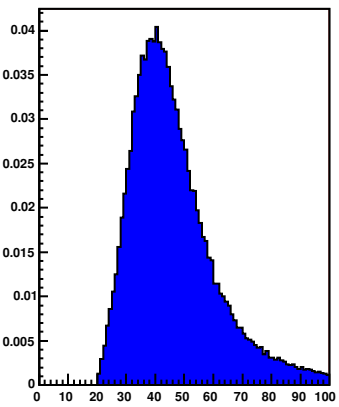

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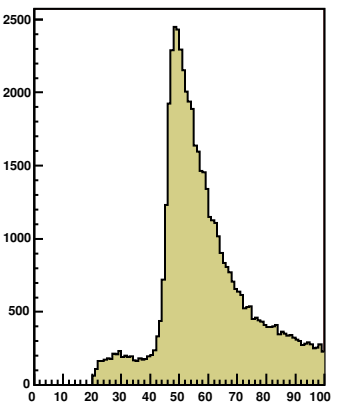

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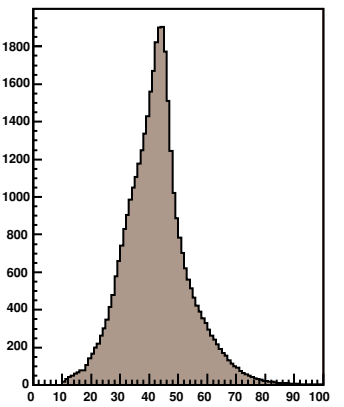

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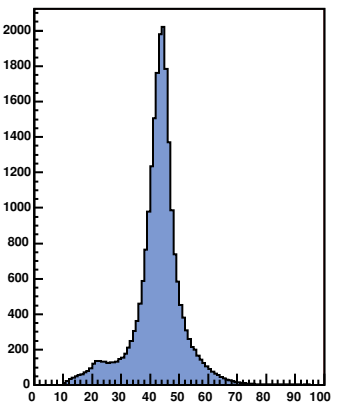

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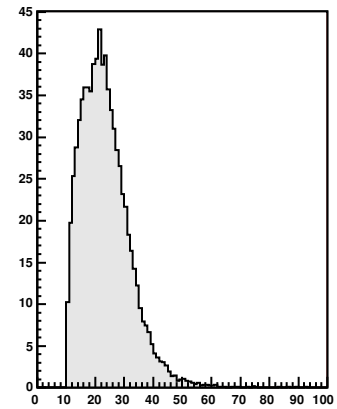

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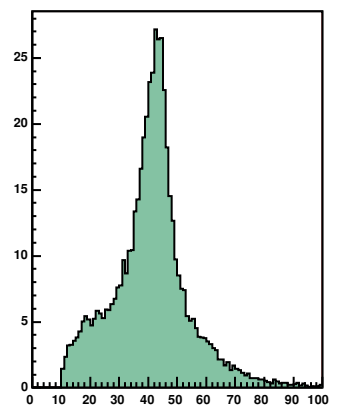

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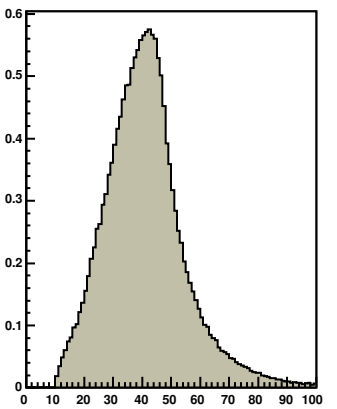

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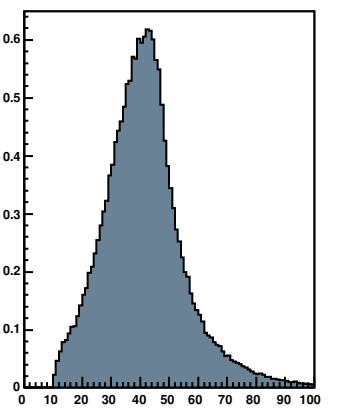

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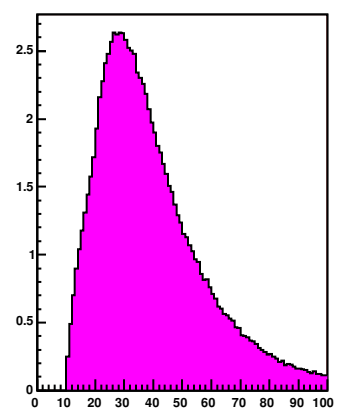

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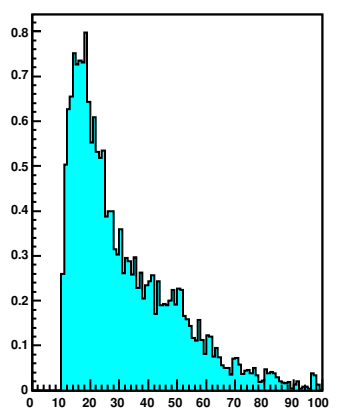

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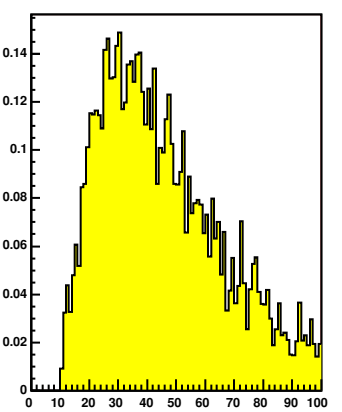

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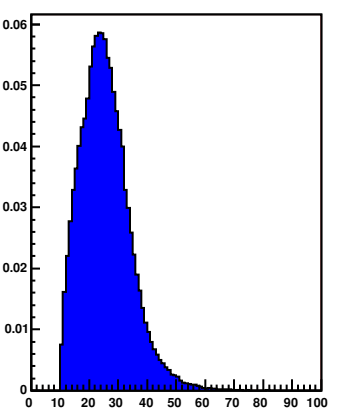

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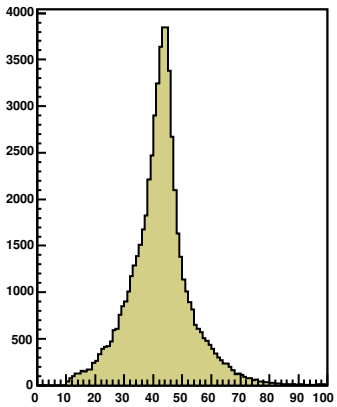

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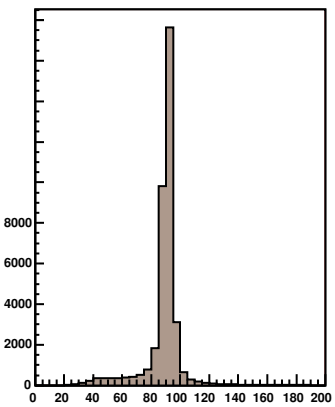

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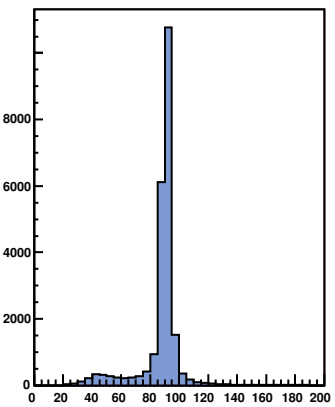

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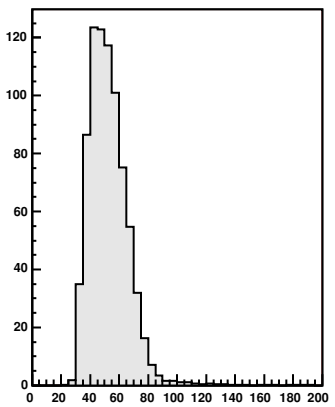
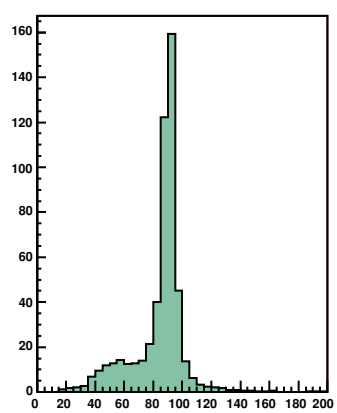


fake-NN Variable dilmass



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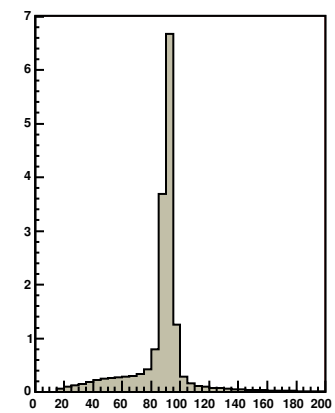

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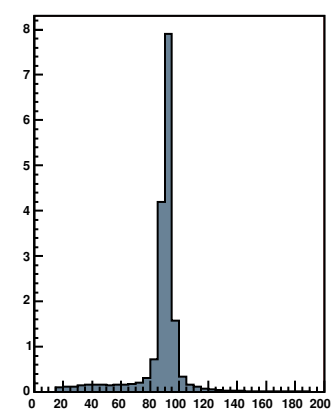

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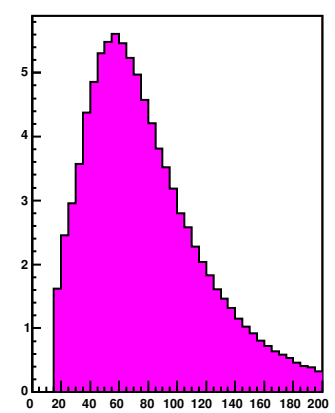

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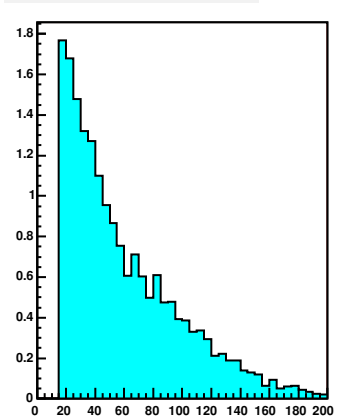

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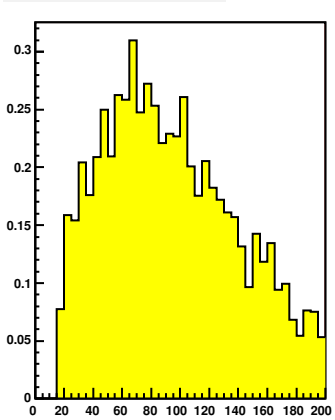

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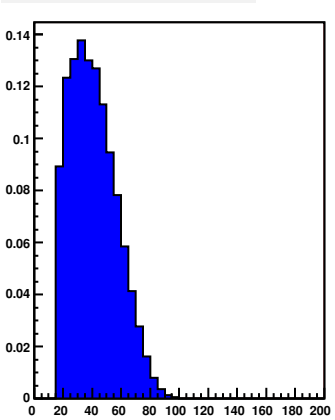

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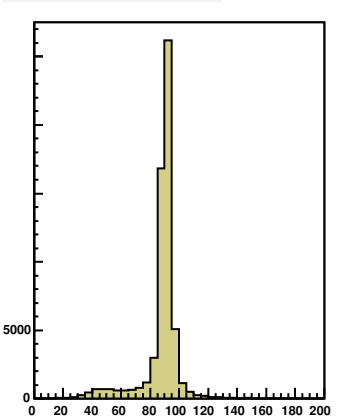

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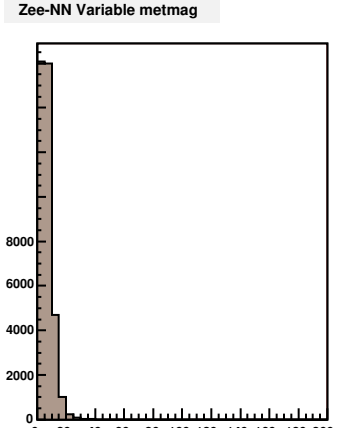

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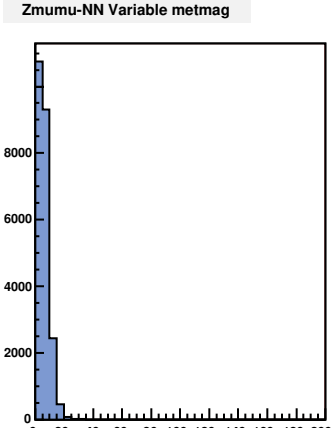

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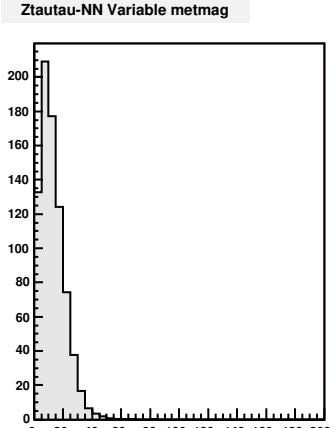
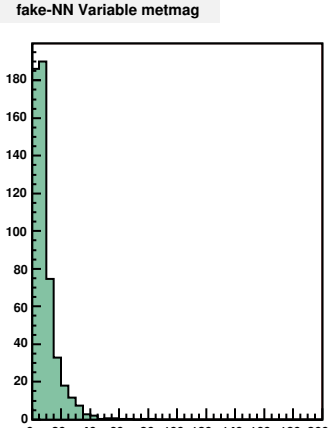


fake-NN Variable metmag



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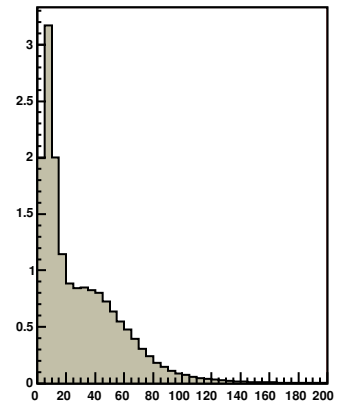

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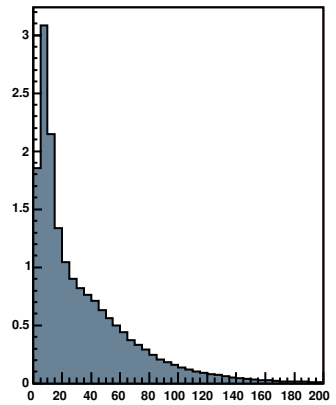

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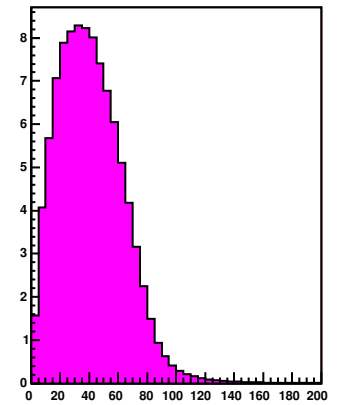

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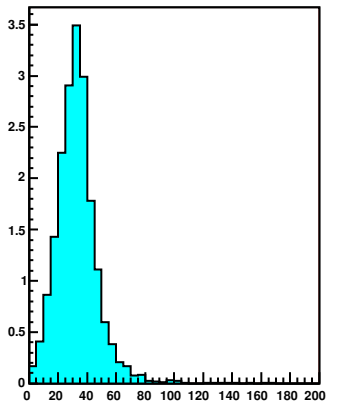

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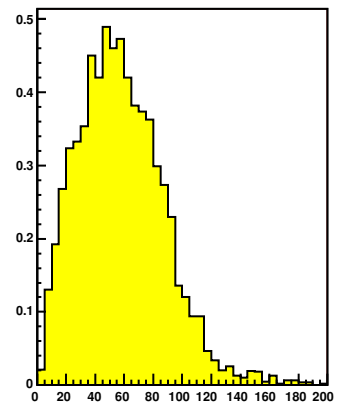

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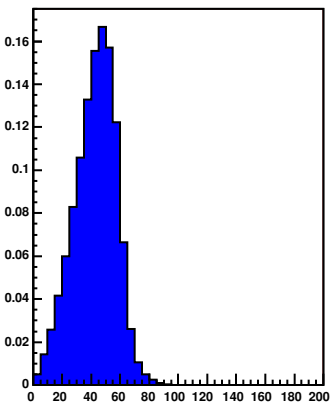
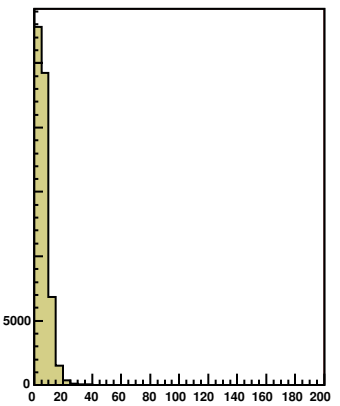
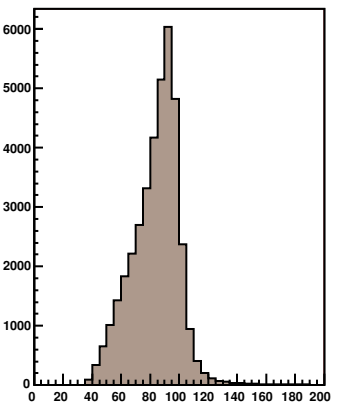


data-NN Variable metmag



Zee-NN Variable addEt



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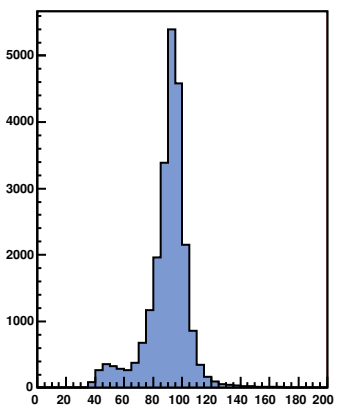

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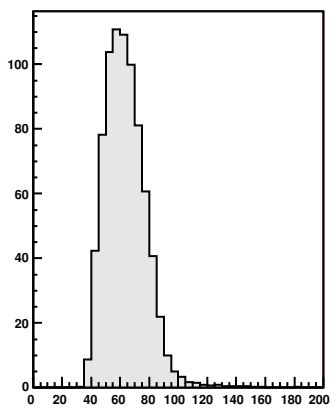
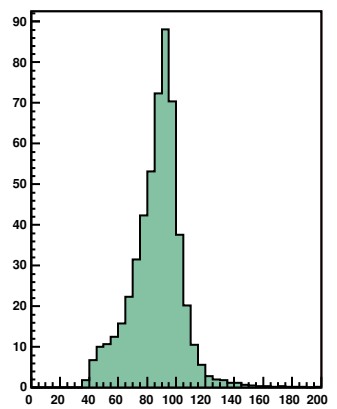


fake-NN Variable addEt



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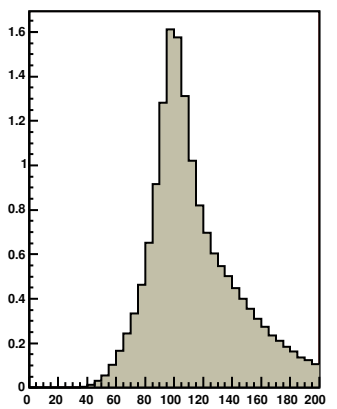

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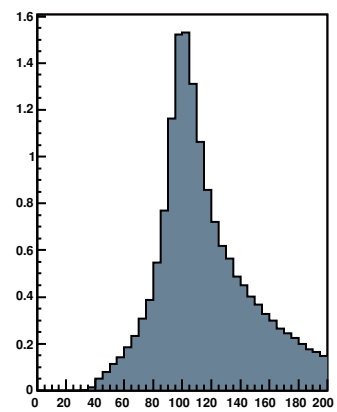

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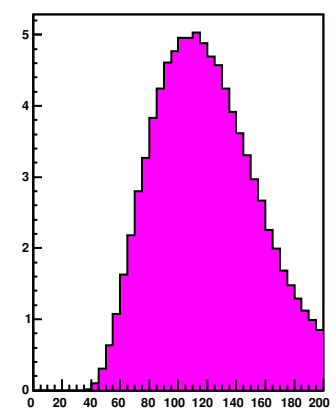

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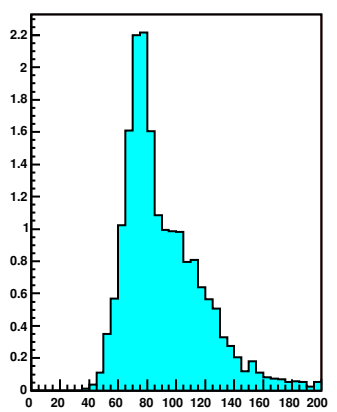

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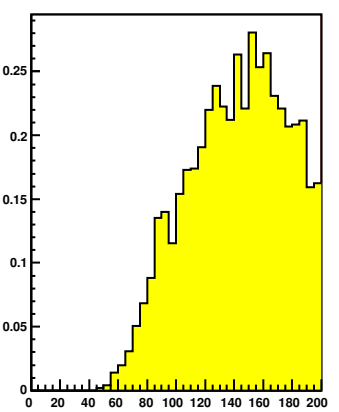

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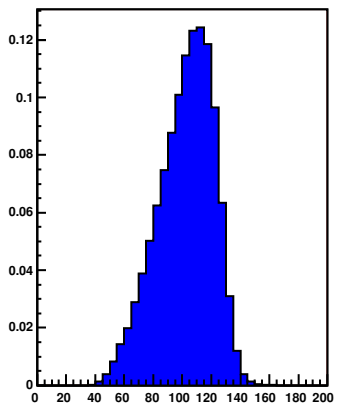

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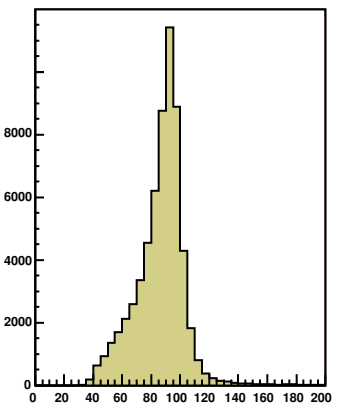

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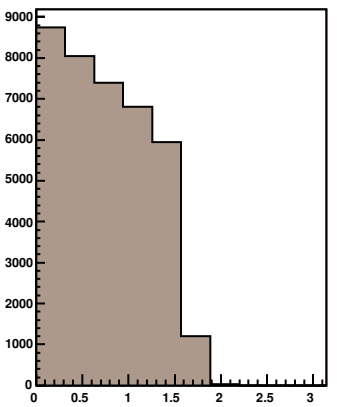

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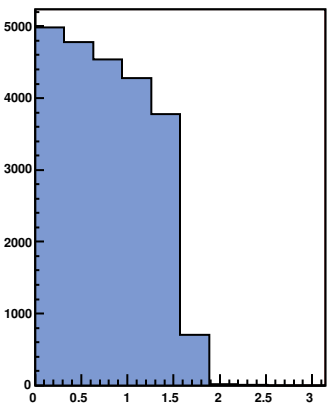

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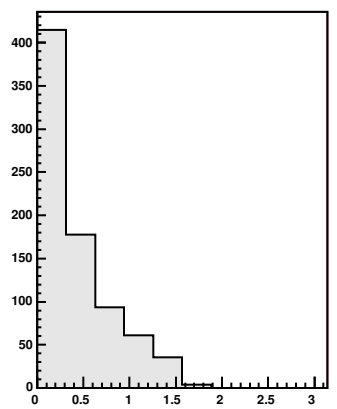
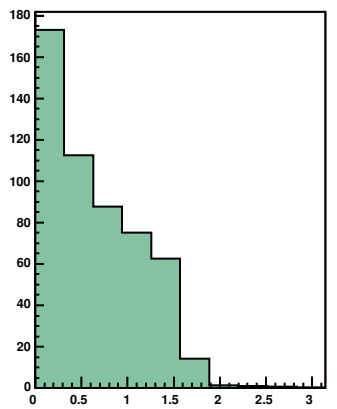


fake-NN Variable dPhiMetLJ



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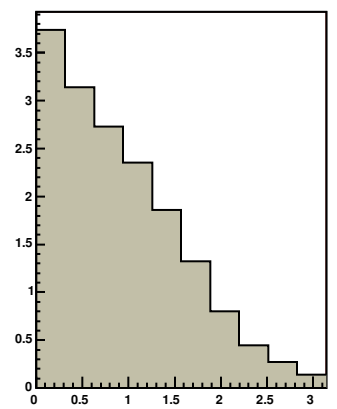
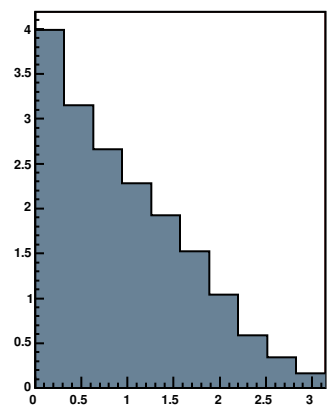


ZZ-NN Variable dPhiMetLJ



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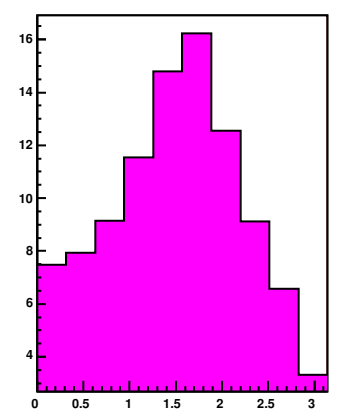

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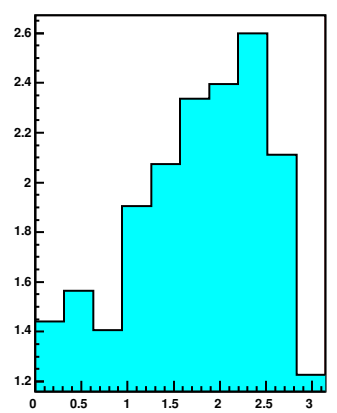
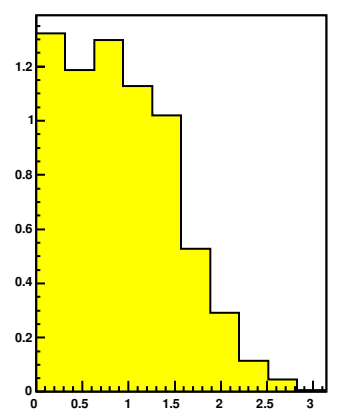


ttbar-NN Variable dPhiMetLJ



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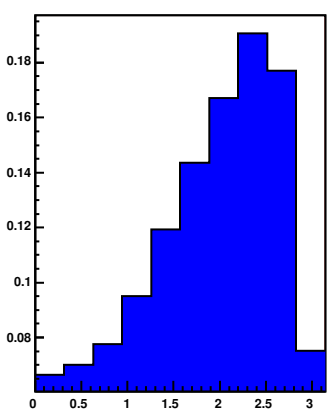

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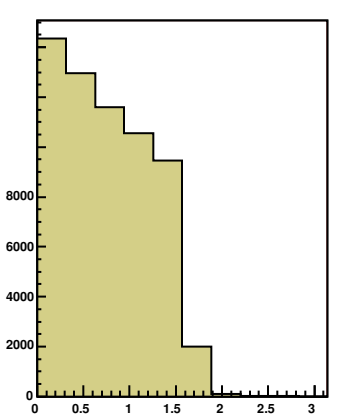

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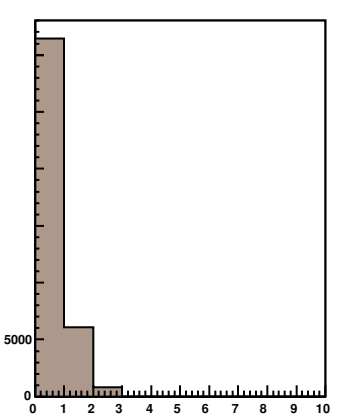

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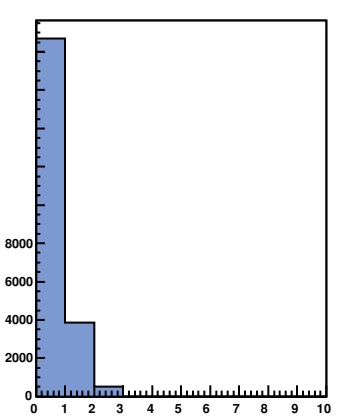

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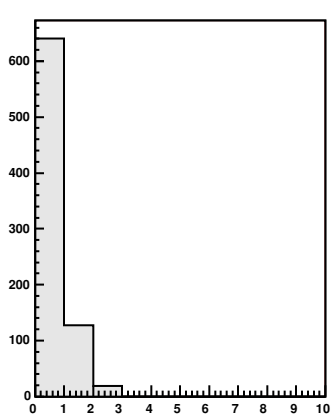

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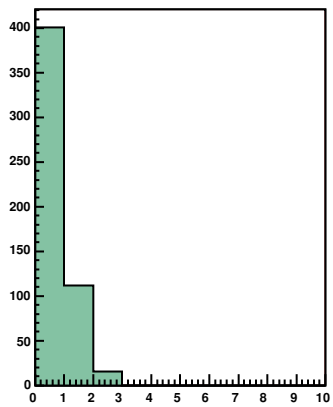

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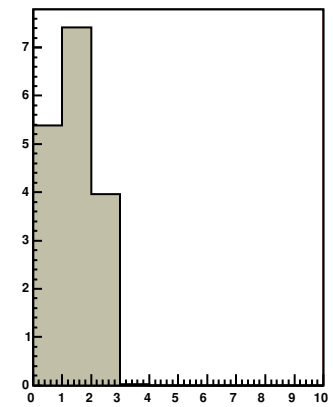

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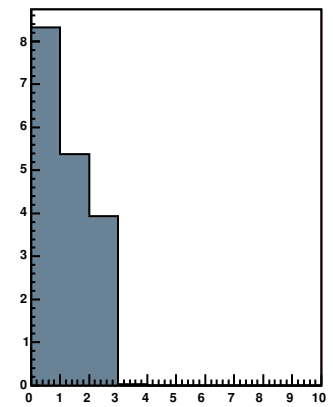

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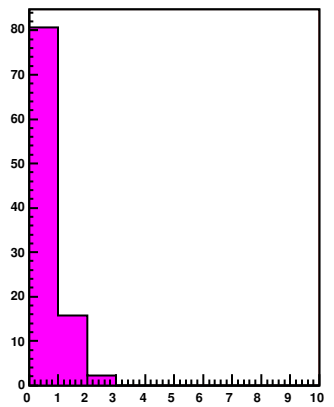

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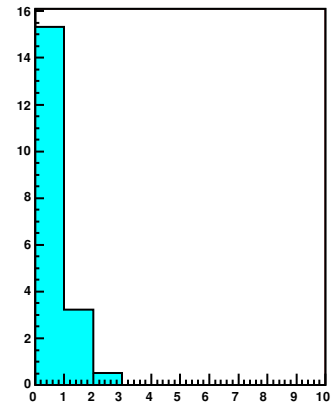

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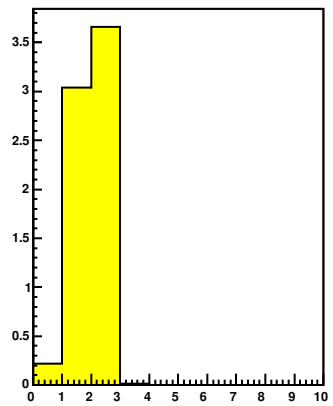

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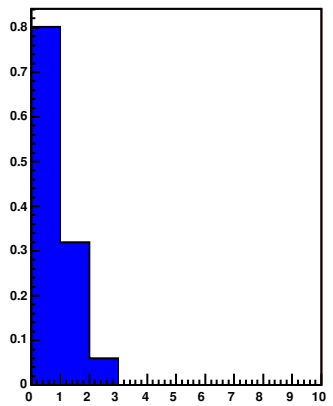
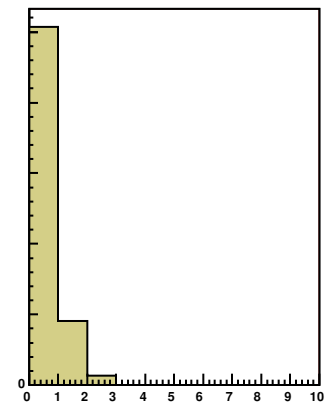


data-NN Variable tightjets



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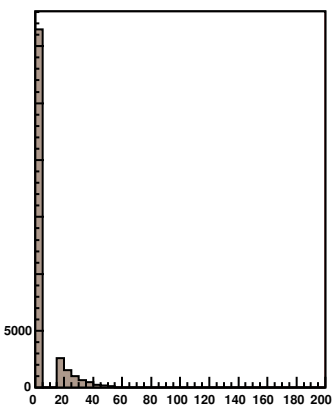

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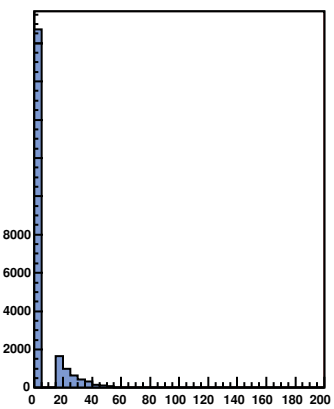

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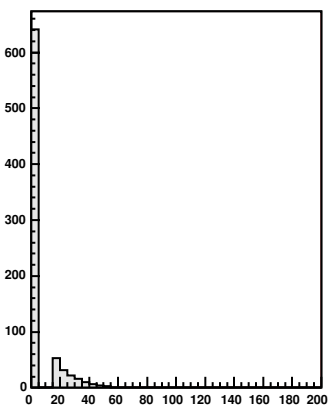

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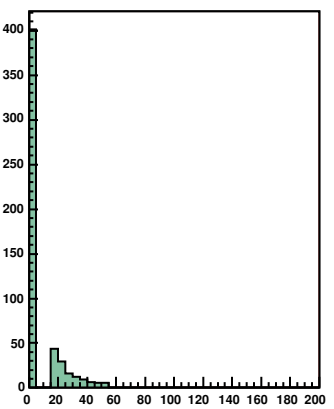

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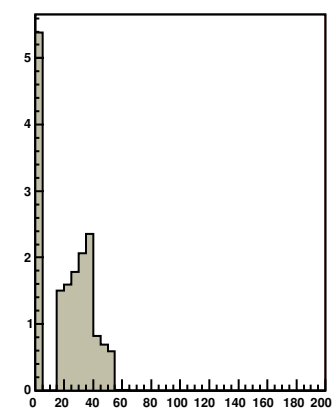

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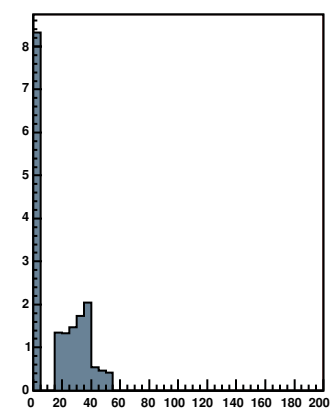

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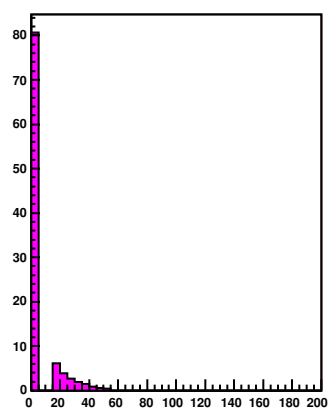

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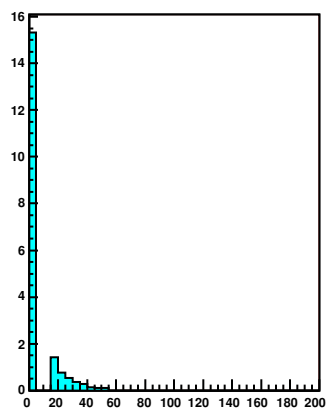

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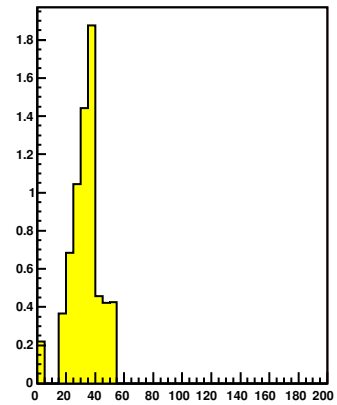
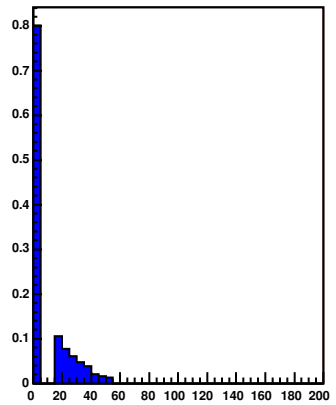
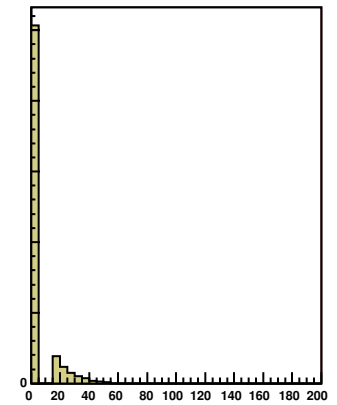


higgsww-NN Variable jet1_Et



data-NN Variable jet1_Et



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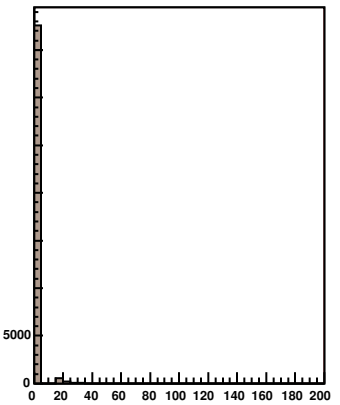

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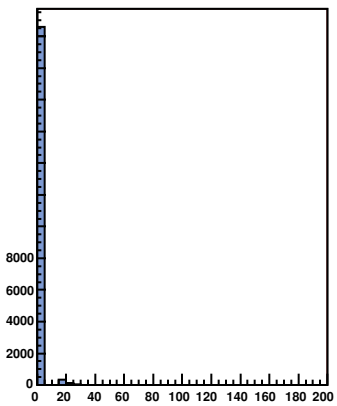

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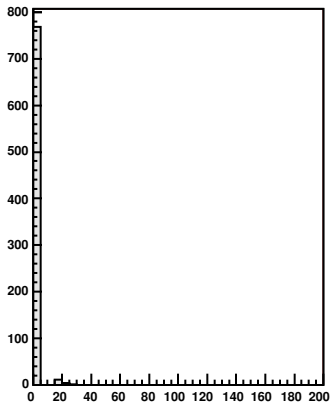
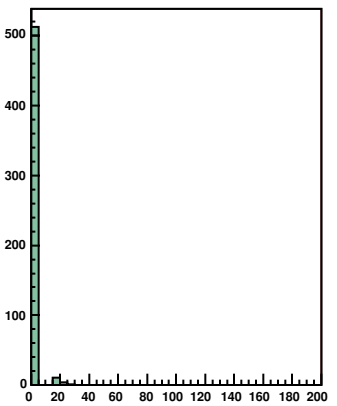


fake-NN Variable jet2_Et



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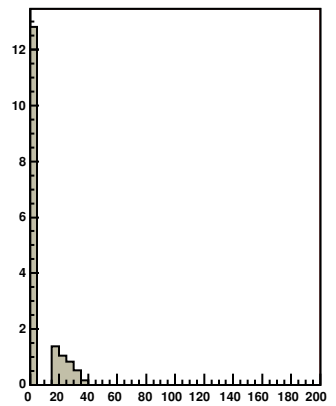

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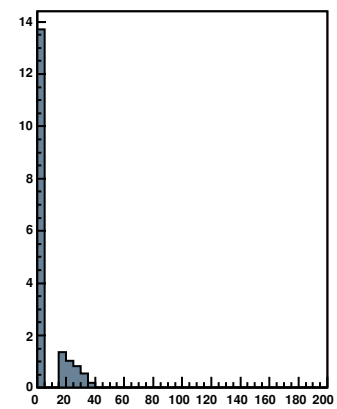

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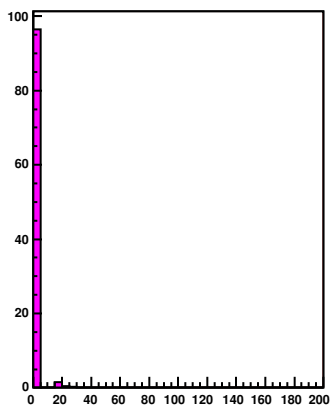

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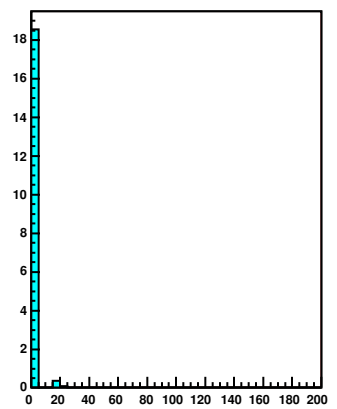

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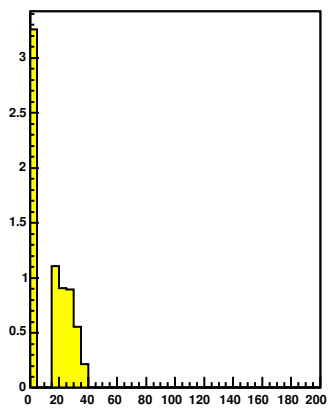
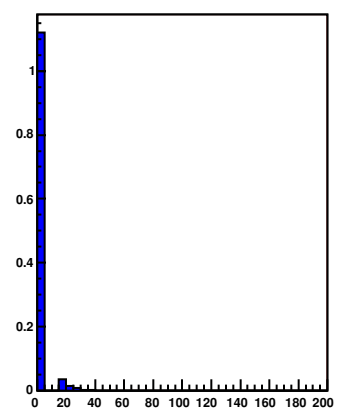


higgsww-NN Variable jet2_Et



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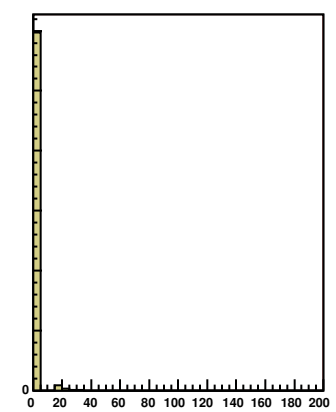

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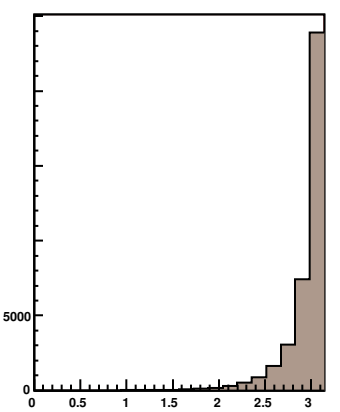

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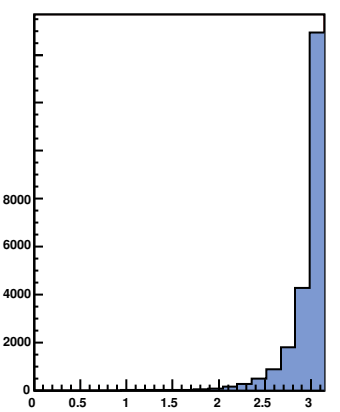

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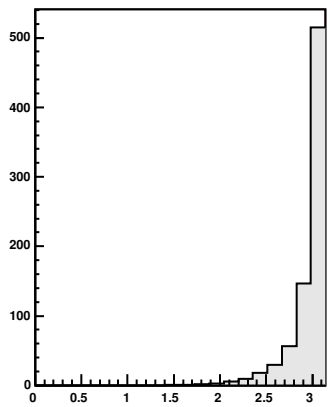
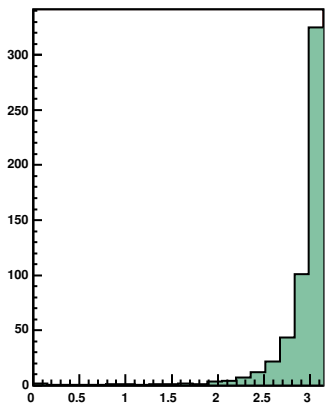


fake-NN Variable dildphi



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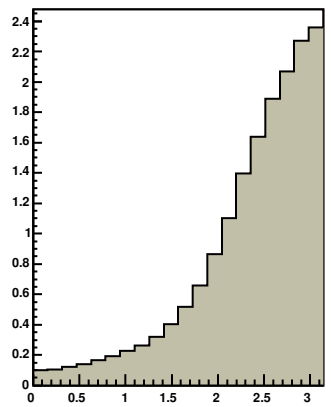

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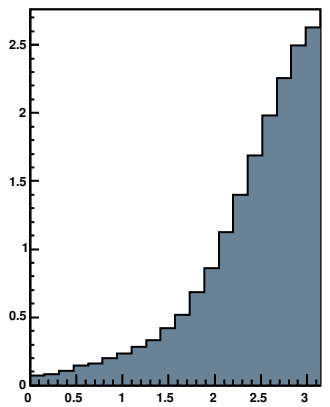

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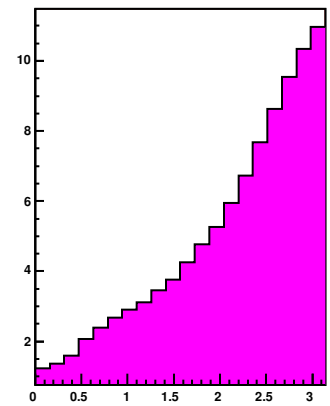

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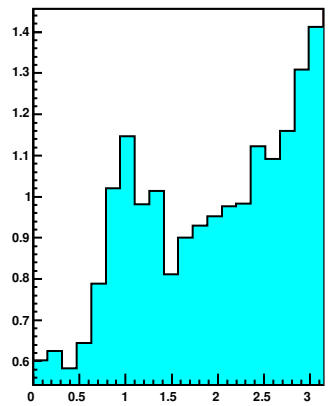

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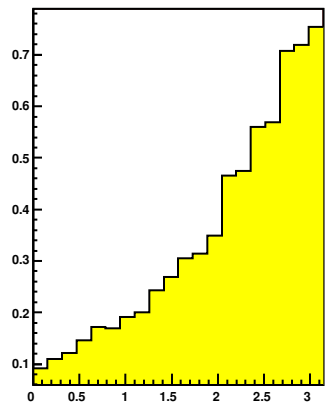

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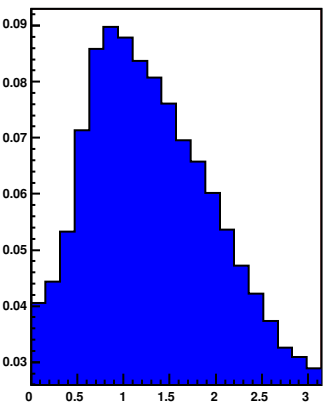

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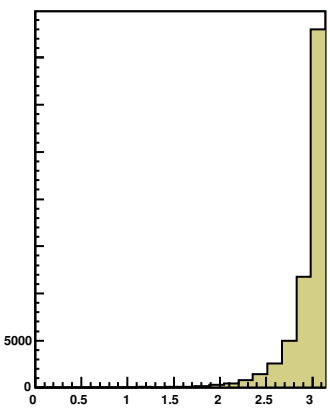
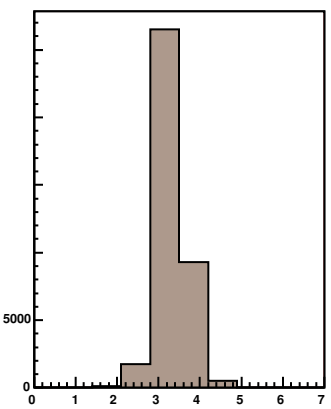


Zee-NN Variable lepR



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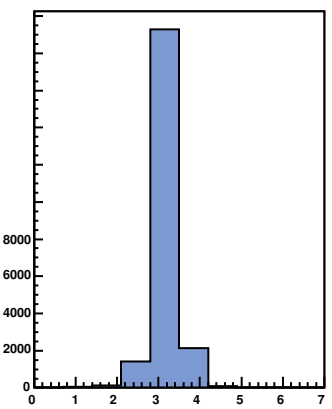

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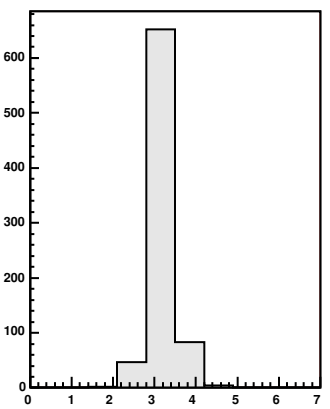
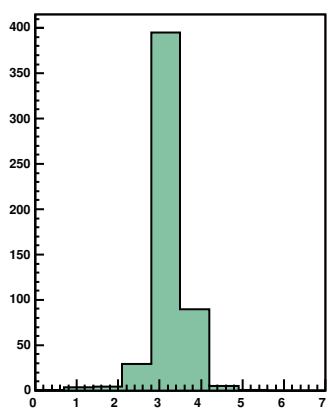


fake-NN Variable lepR



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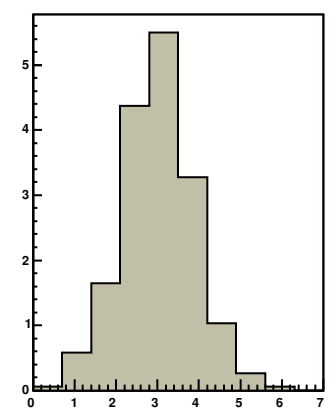

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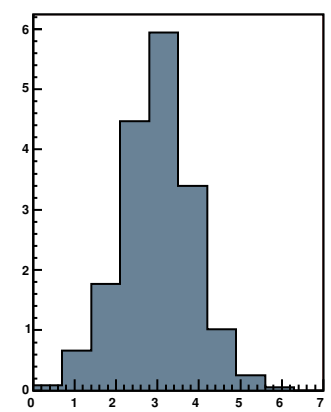

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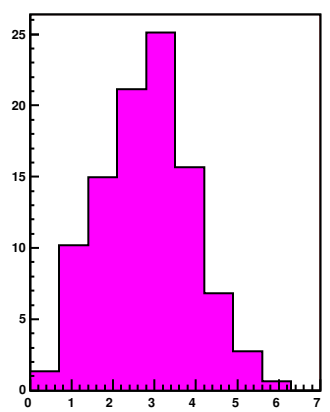

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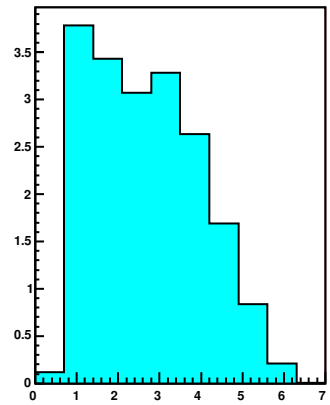

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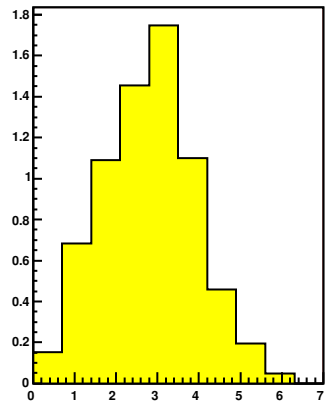
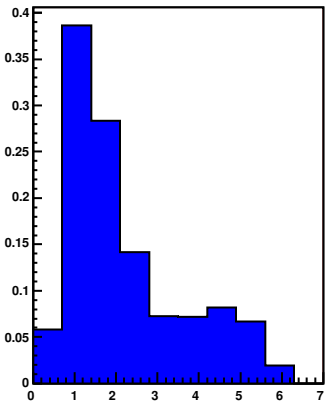


higgsww-NN Variable lepR



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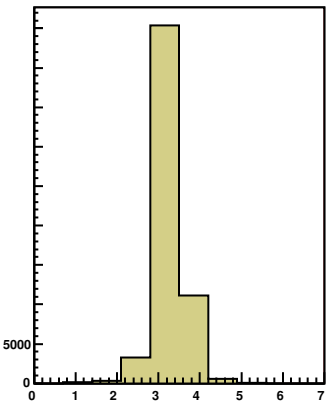

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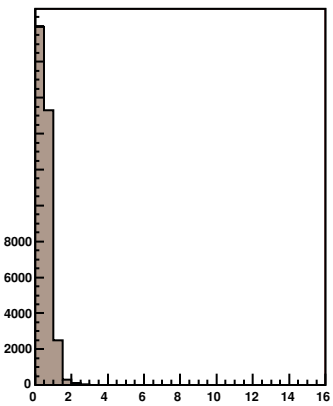

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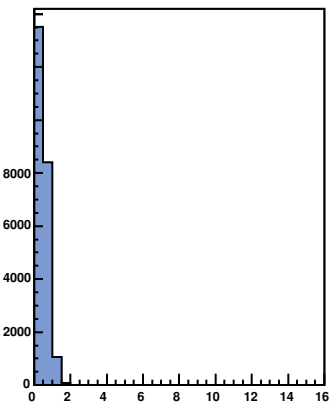

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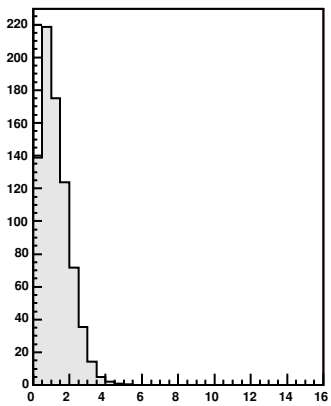

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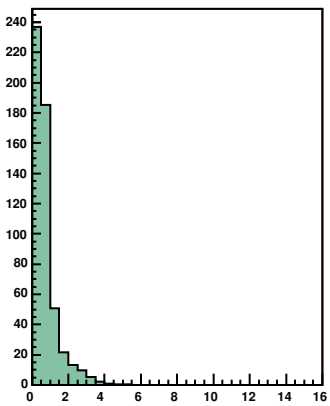

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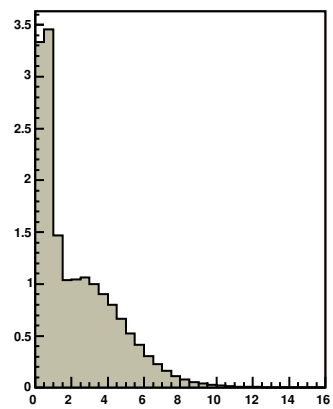

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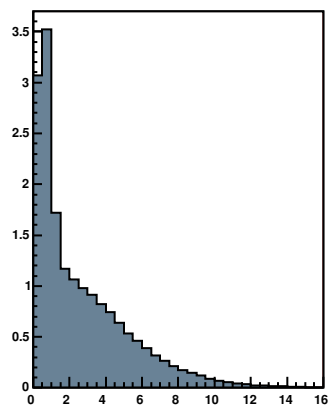

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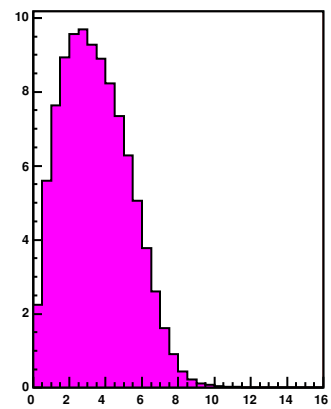

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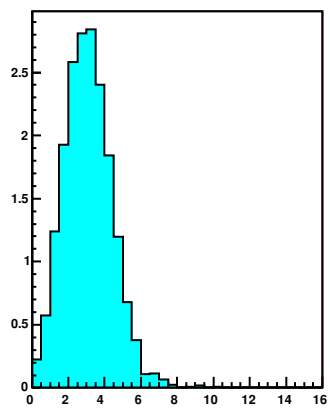

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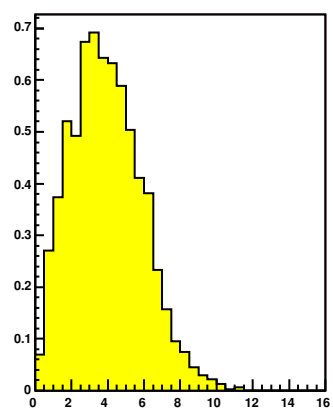

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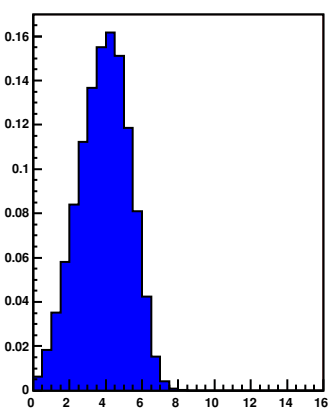

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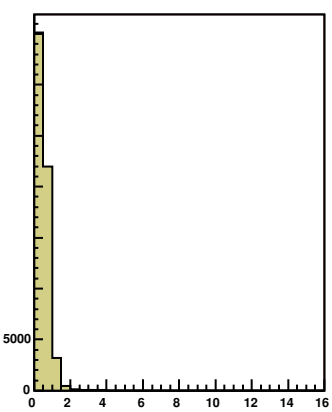

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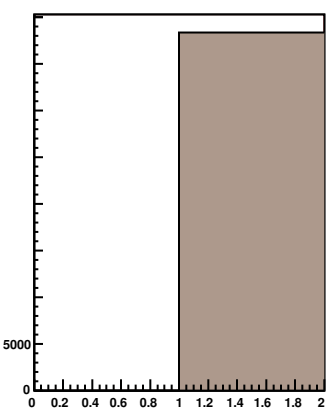

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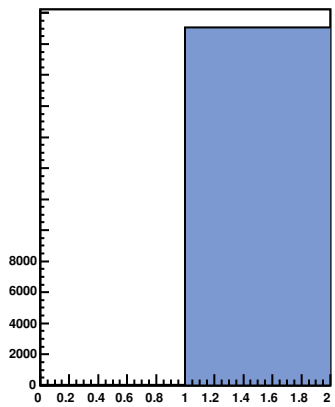

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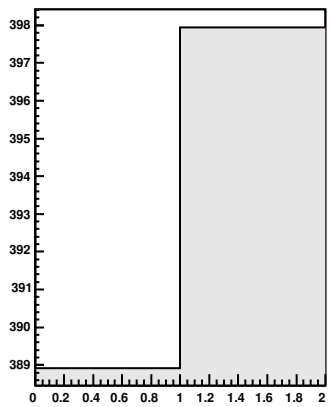

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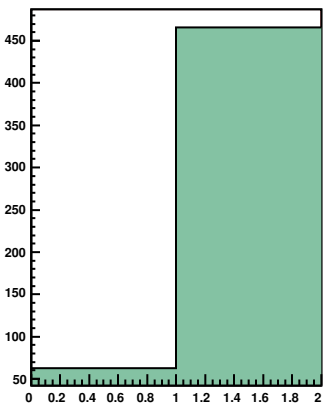

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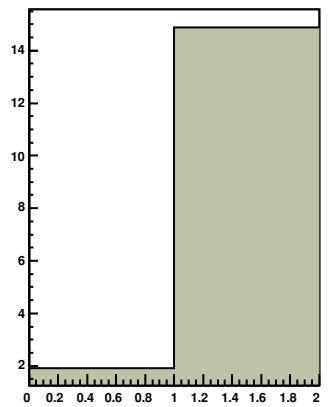

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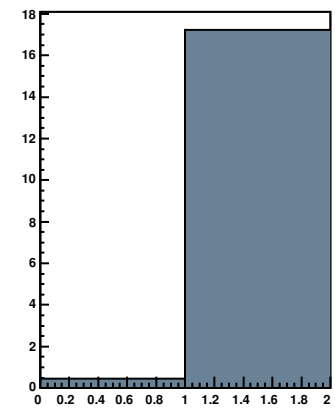

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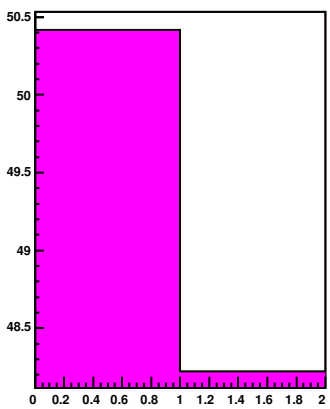

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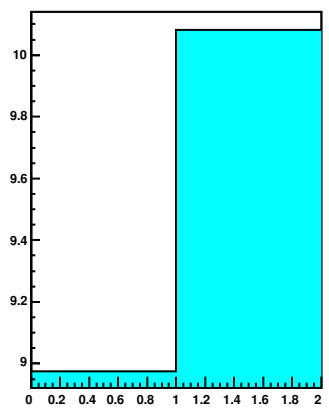

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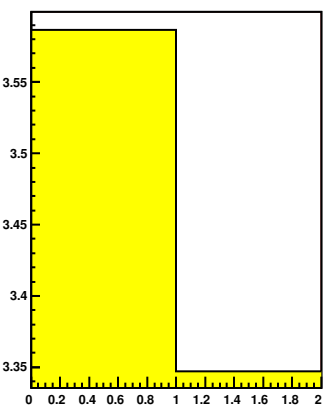

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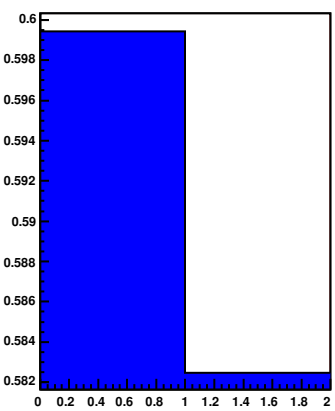

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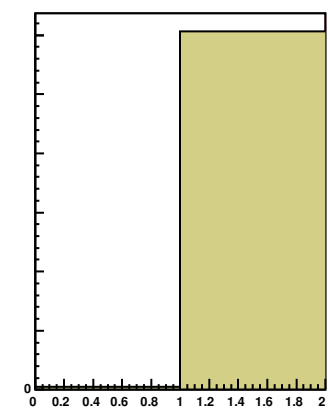
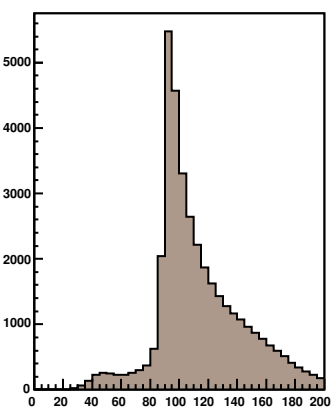


Zee-NN Variable Mt_ll



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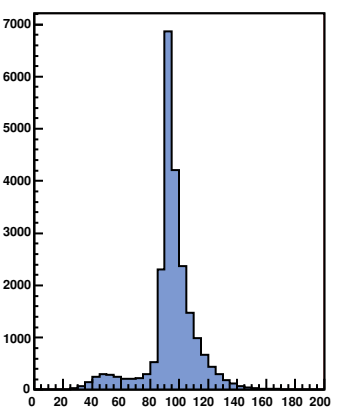

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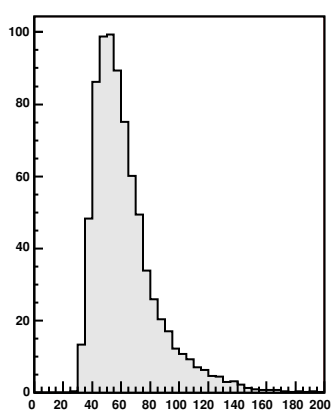
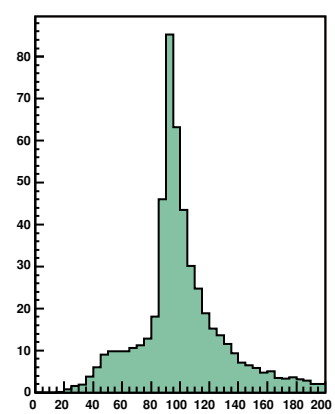


fake-NN Variable Mt_ll



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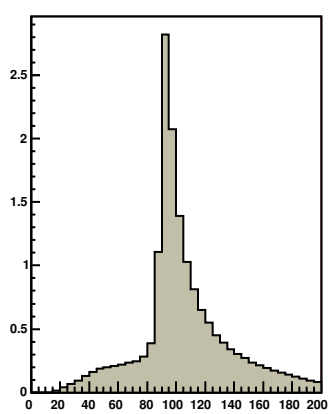

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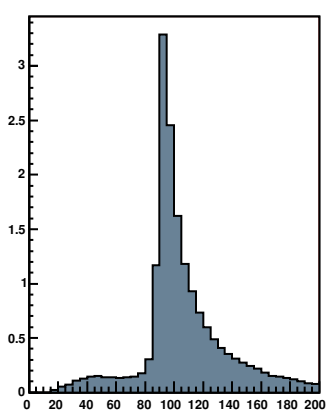

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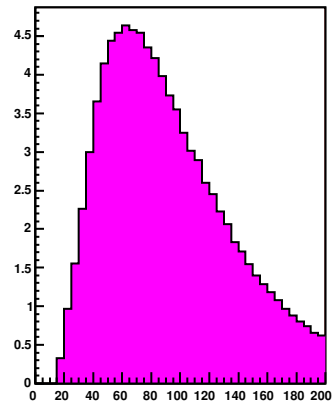

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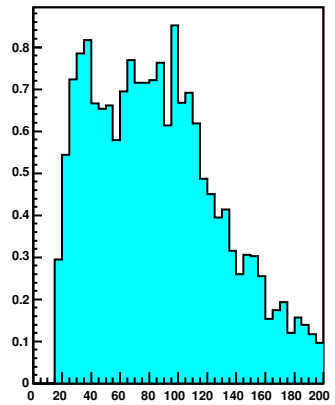

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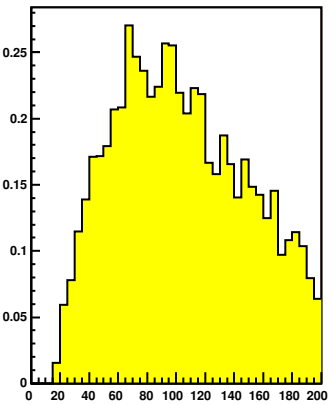
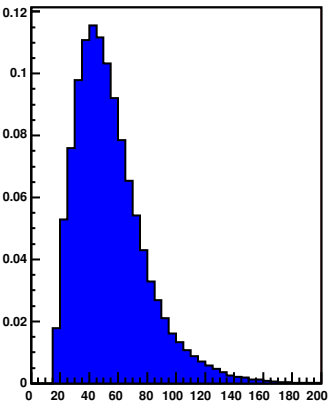
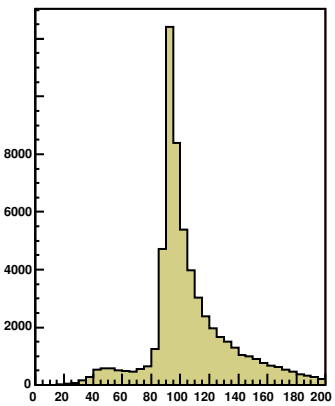


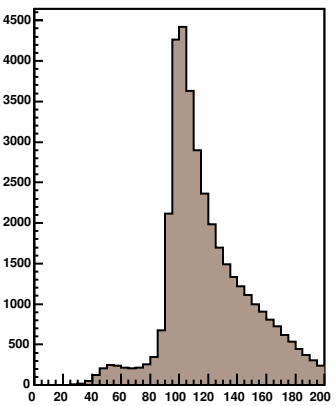
higgsww-NN Variable Mt_ll



data-NN Variable Mt_ll



Zee-NN Variable Mt_llMet



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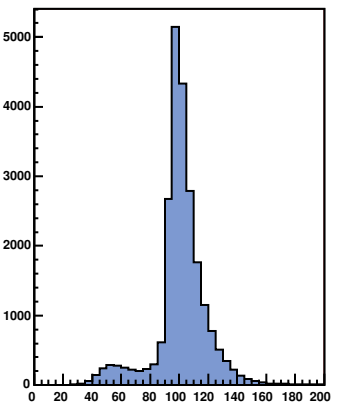
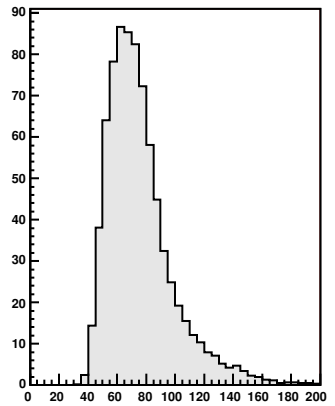
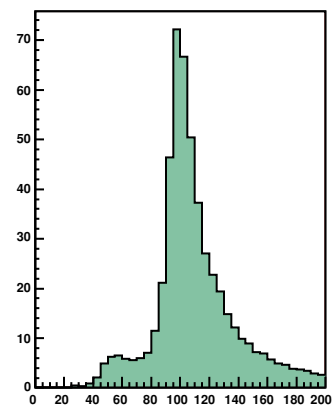


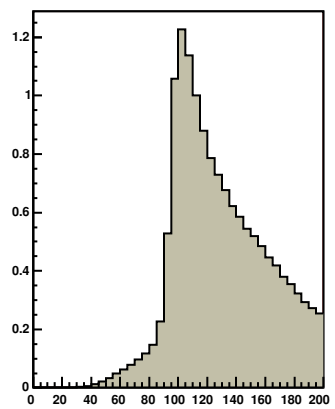
Ztautau-NN Variable Mt_llMet



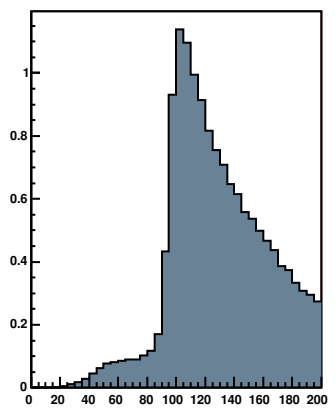
fake-NN Variable Mt_llMet



WZ-NN Variable Mt_llMet



ZZ-NN Variable Mt_llMet



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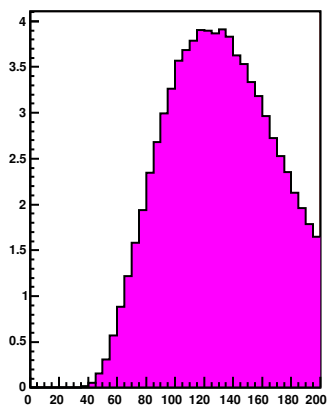

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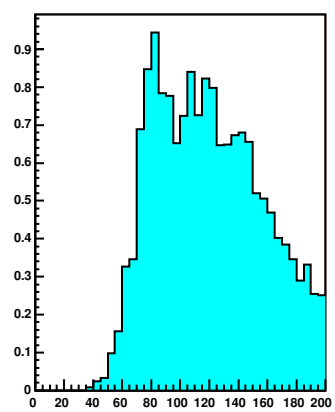
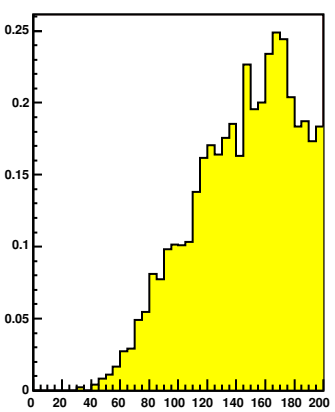
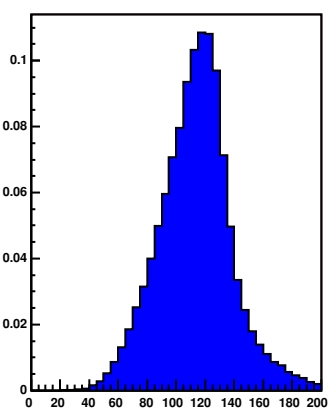


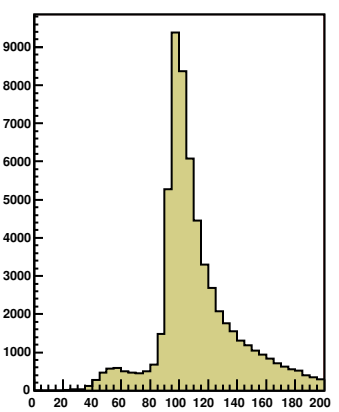
ttbar-NN Variable Mt_llMet



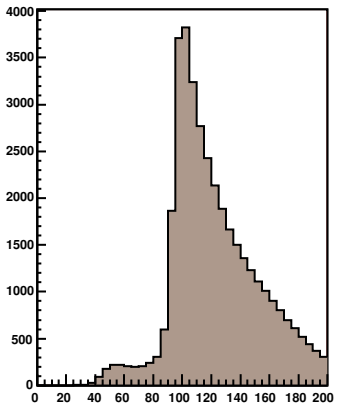
higgsww-NN Variable Mt_llMet



data-NN Variable Mt_llMet



Zee-NN Variable Mt_All



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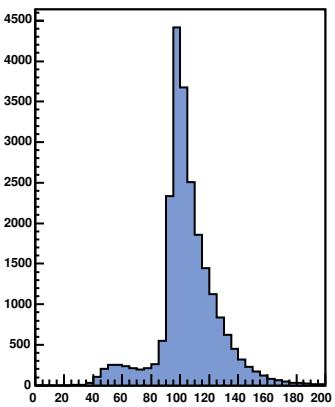

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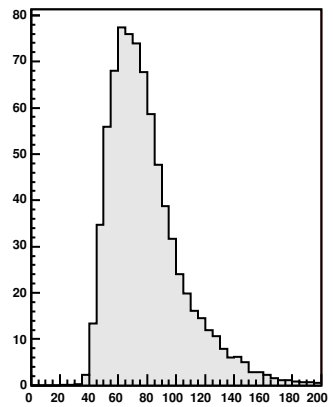
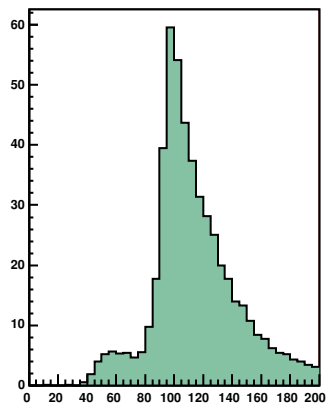
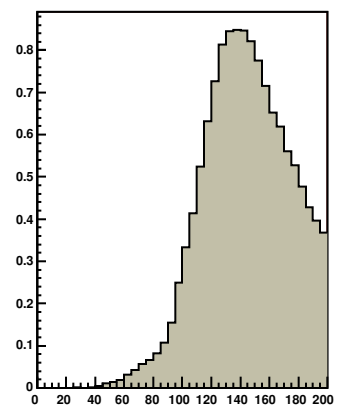


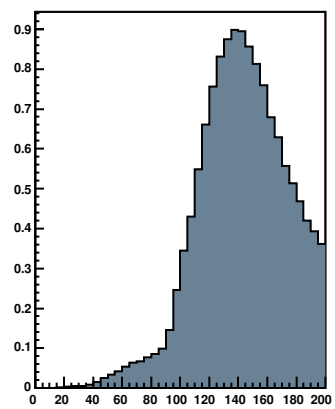
fake-NN Variable Mt_All



WZ-NN Variable Mt_All



ZZ-NN Variable Mt_All



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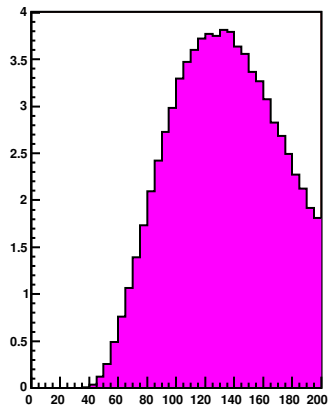

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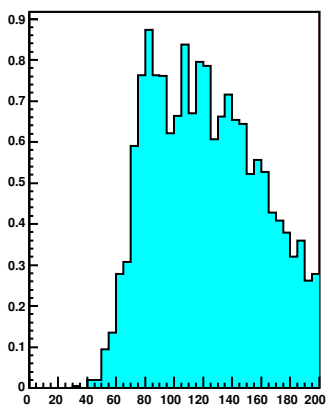
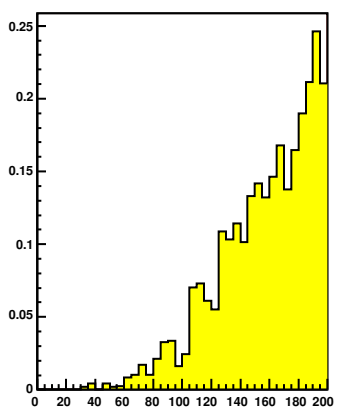
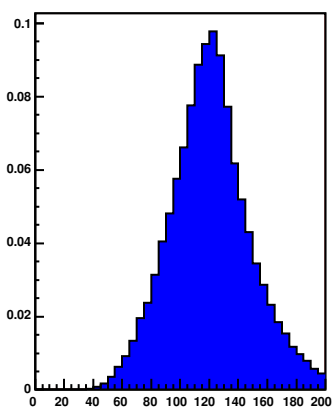


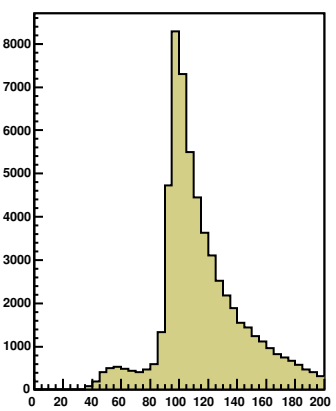
ttbar-NN Variable Mt_All



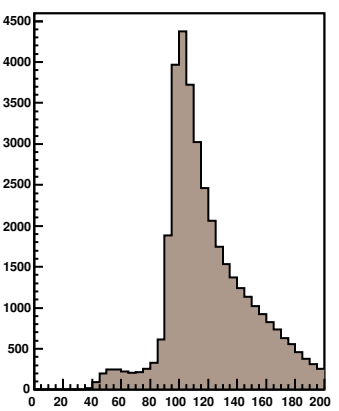
higgsww-NN Variable Mt_All



data-NN Variable Mt_All



Zee-NN Variable lsr



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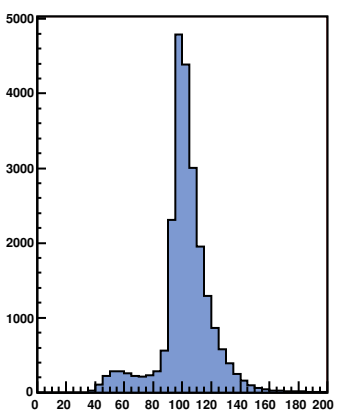

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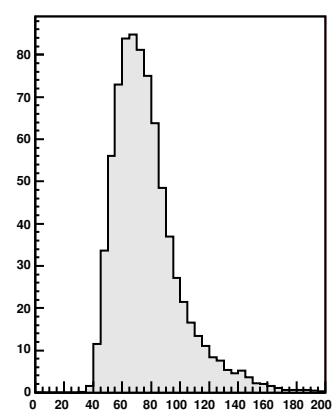

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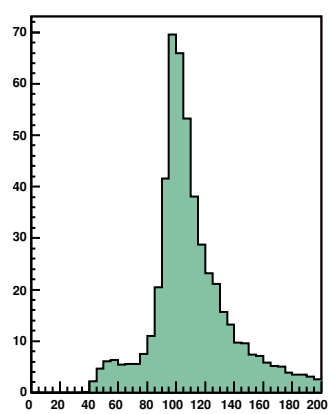

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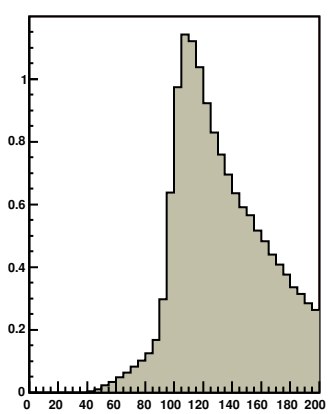

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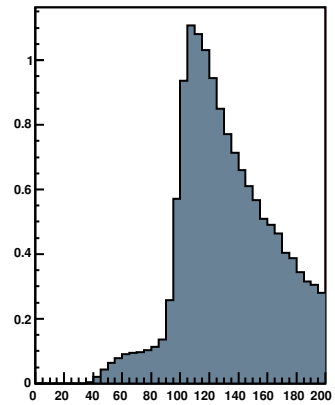

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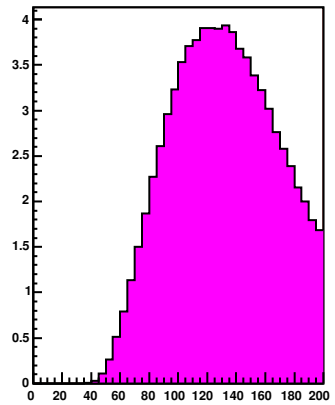

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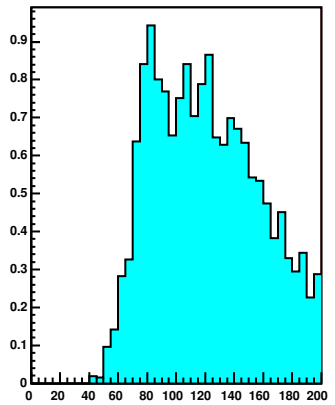

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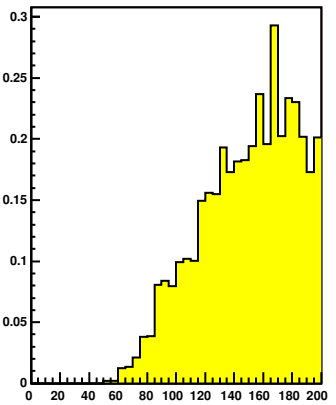

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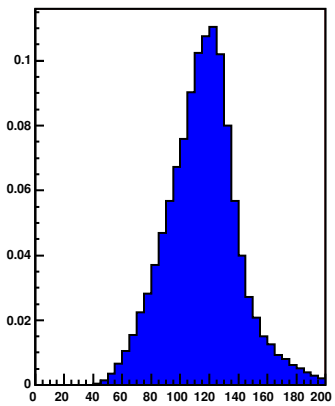

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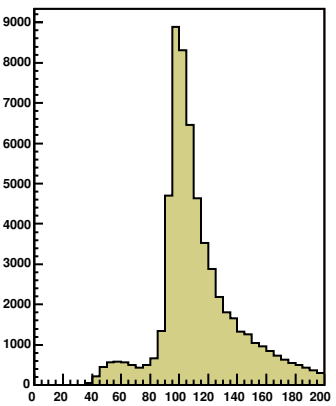

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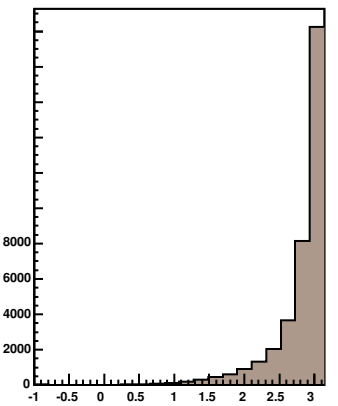

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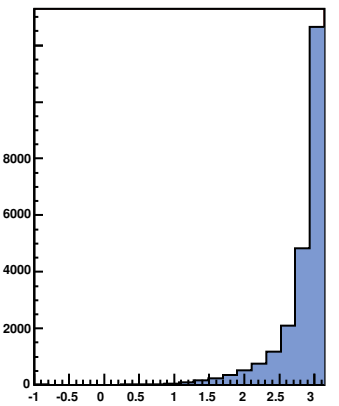

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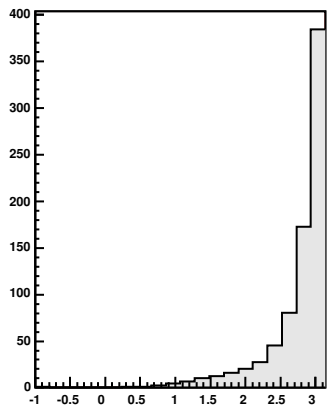

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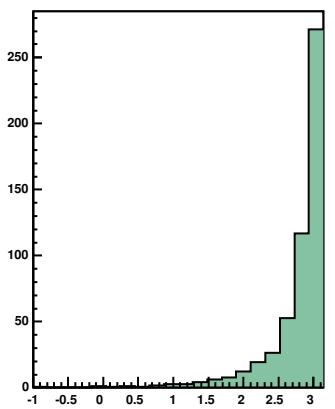

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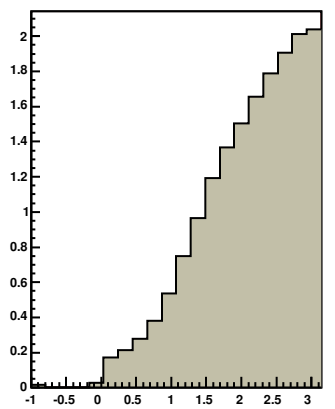

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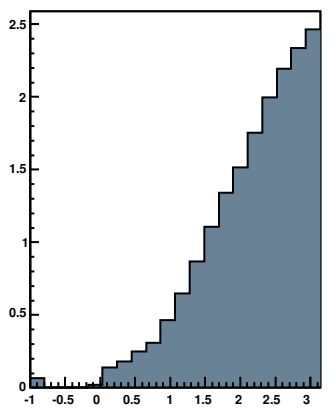

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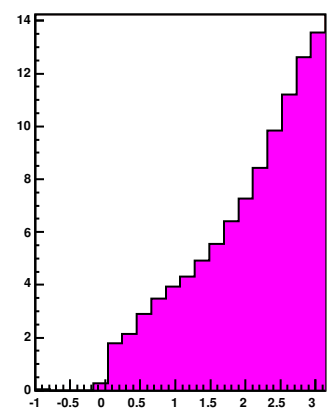

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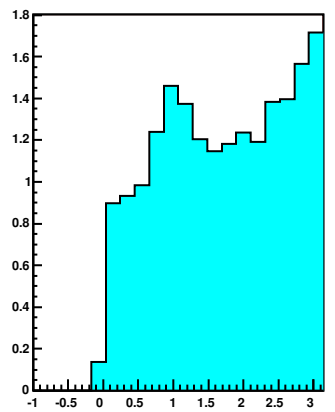

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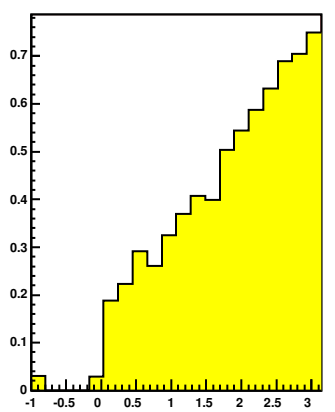

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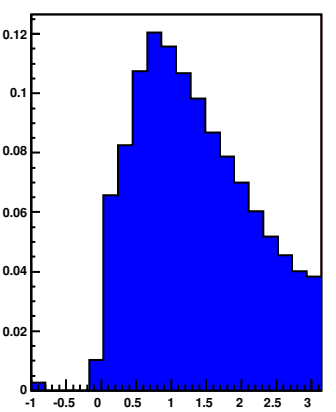

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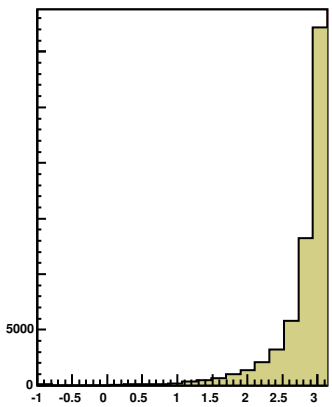
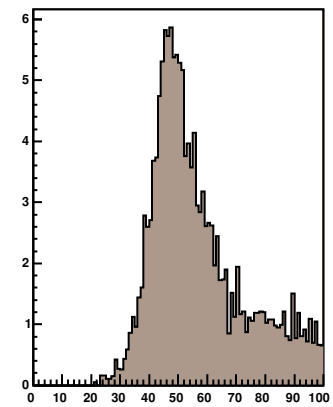


Zee-NN Variable Metsig cut LepAEn



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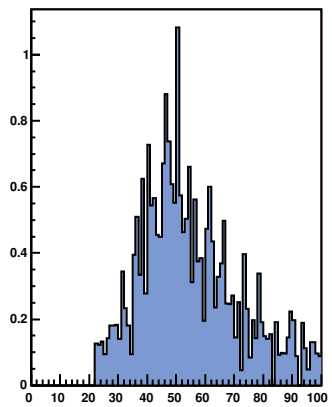

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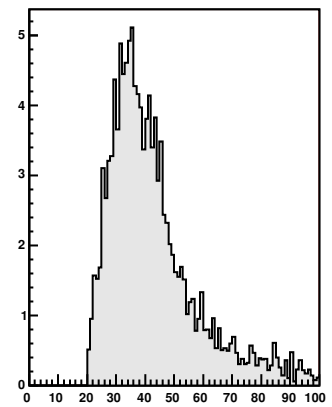

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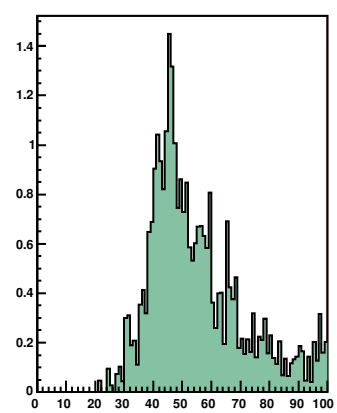

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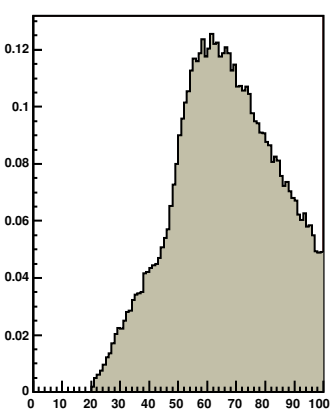

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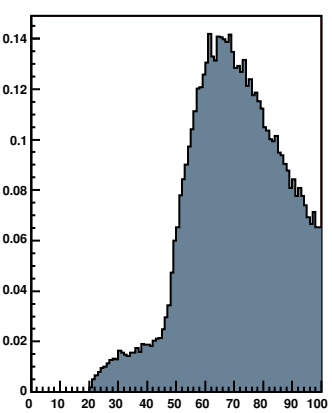

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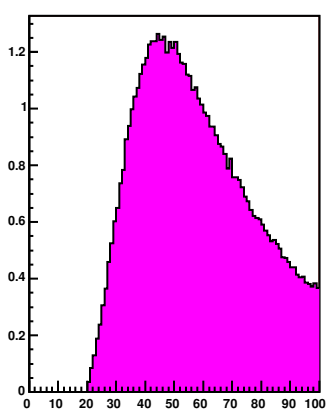

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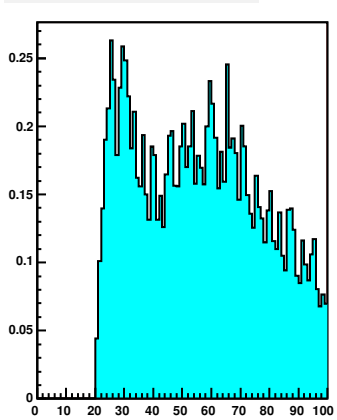

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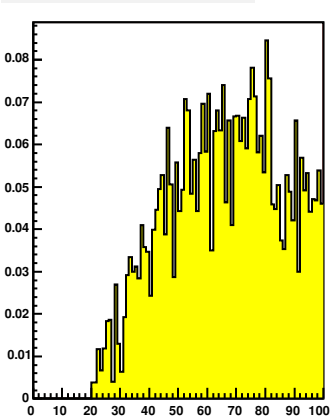

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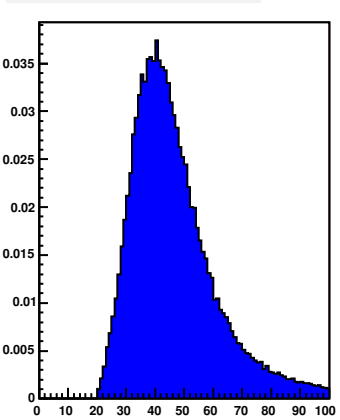

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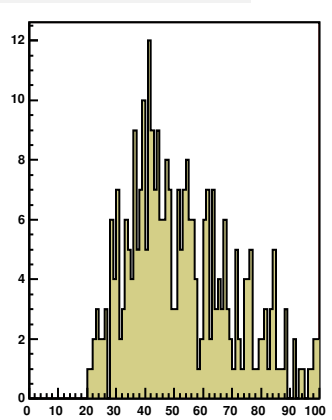

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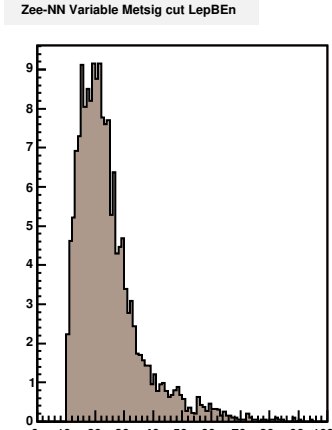

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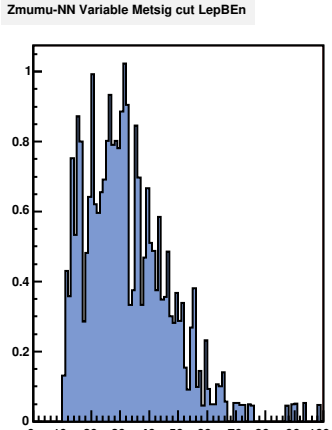

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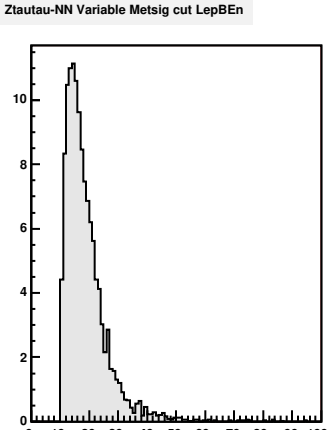

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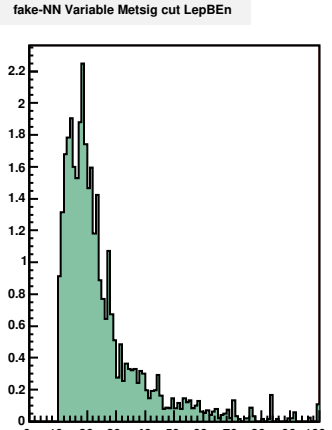

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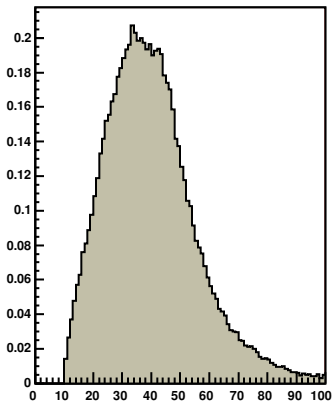

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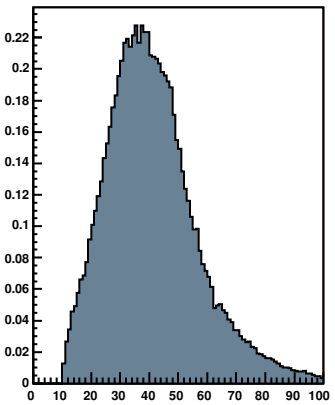

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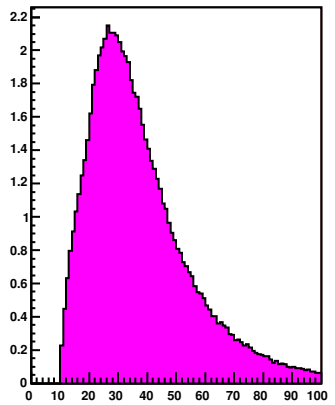

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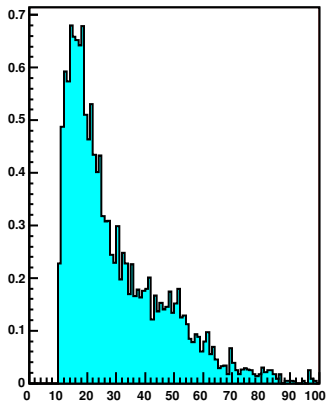

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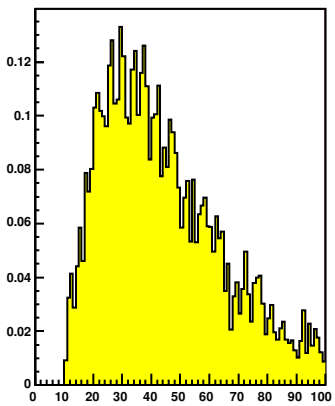

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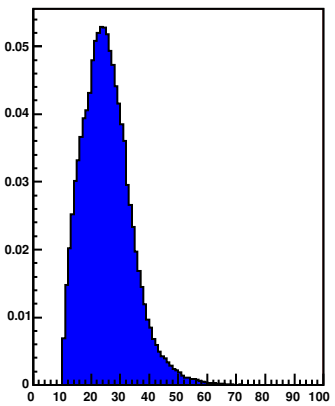

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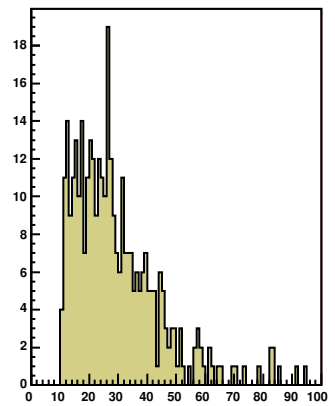

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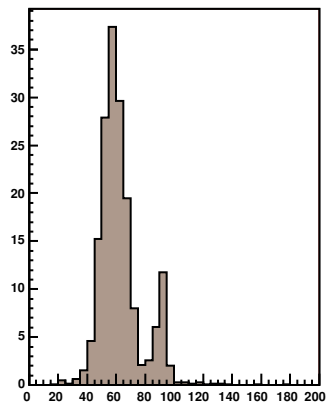

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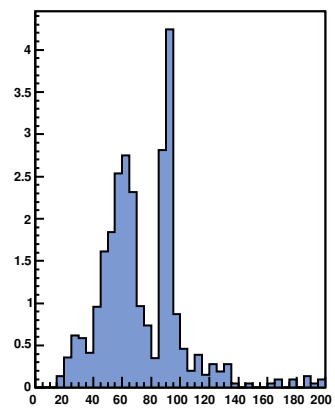

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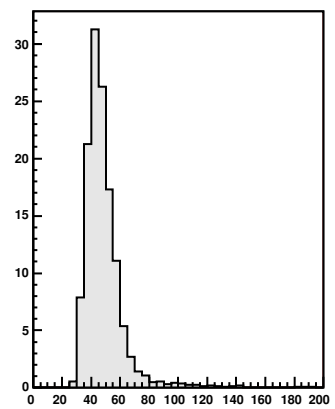

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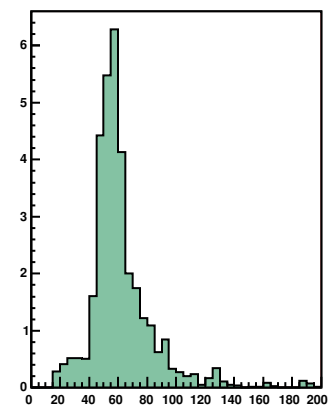

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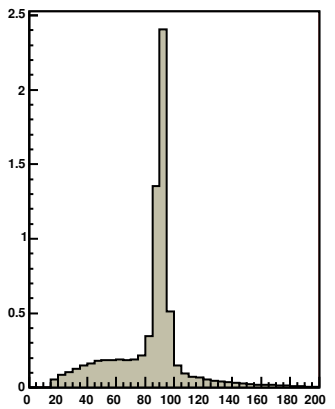

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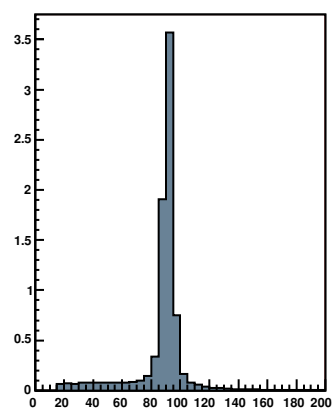

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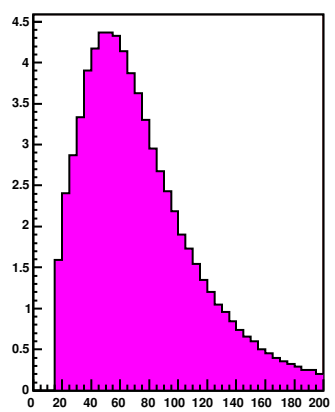

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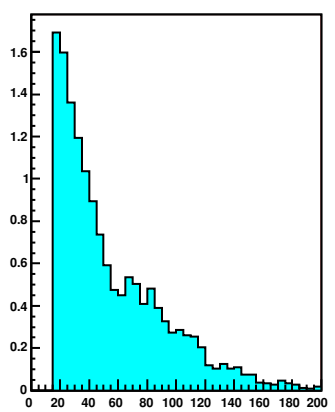
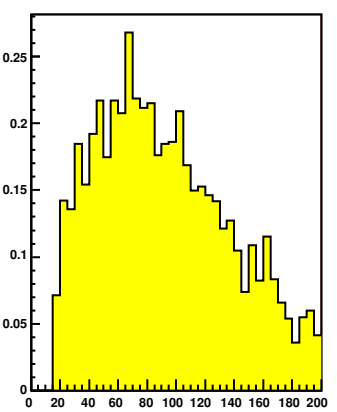
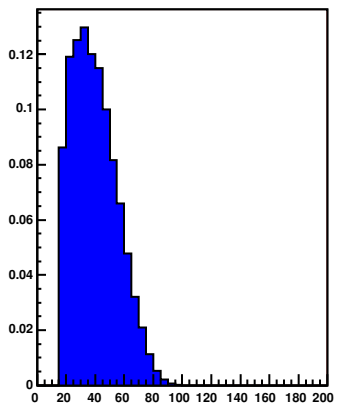


ttbar-NN Variable Metsig cut dilmass



higgsww-NN Variable Metsig cut dilmass



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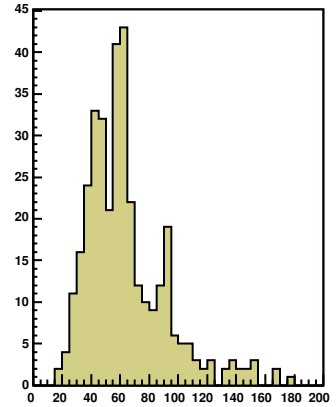

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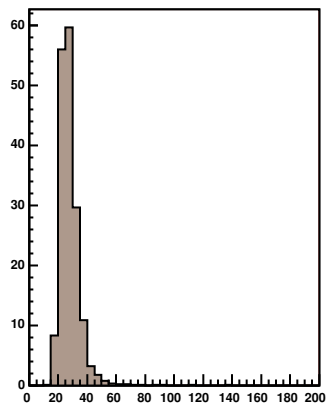

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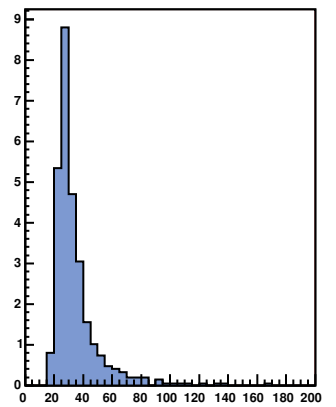

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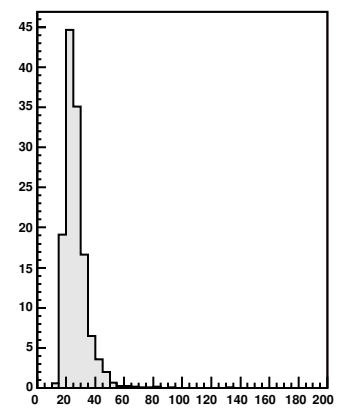

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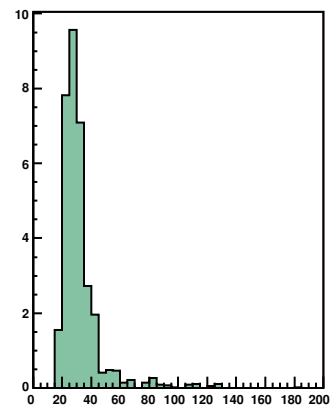

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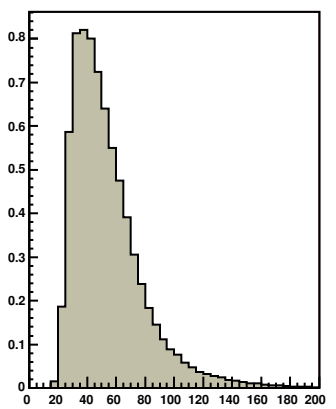

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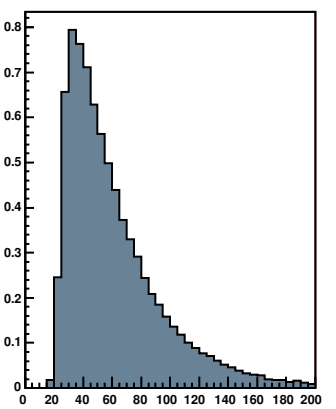

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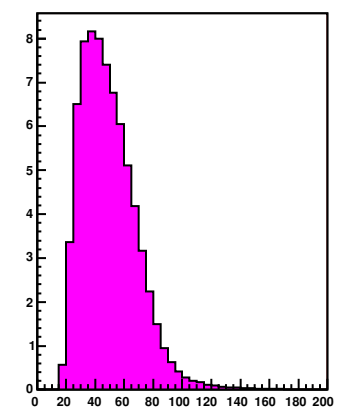

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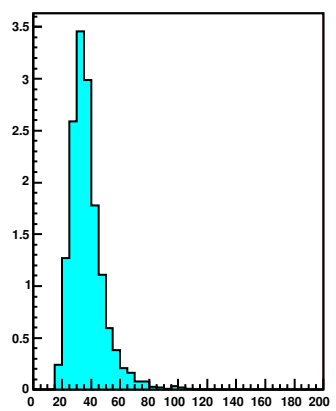

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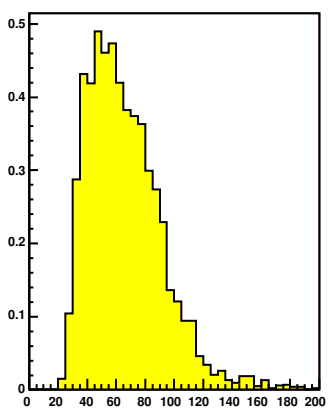

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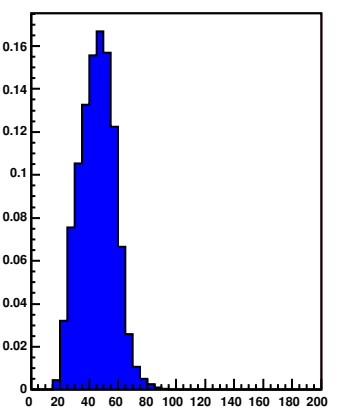

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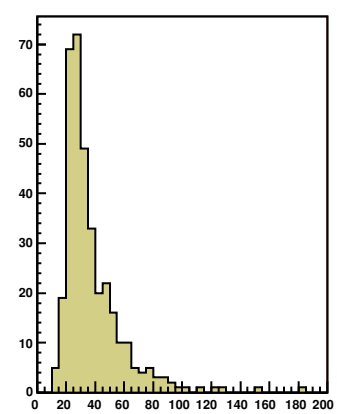

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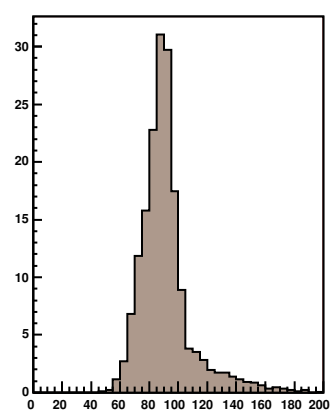

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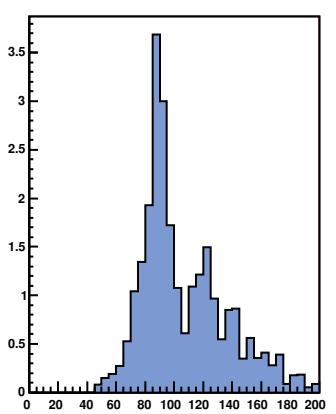

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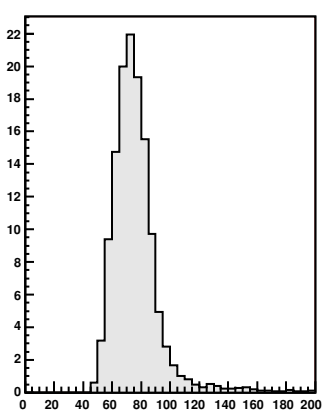

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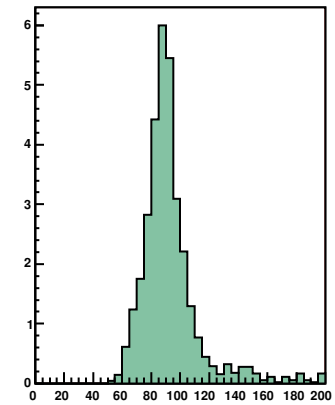

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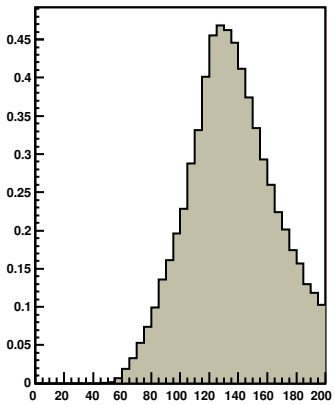

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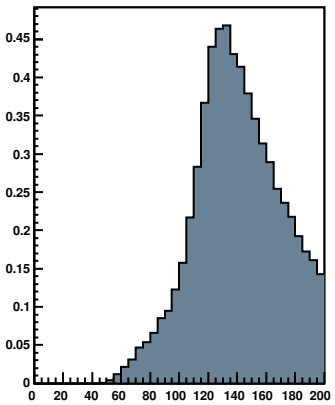

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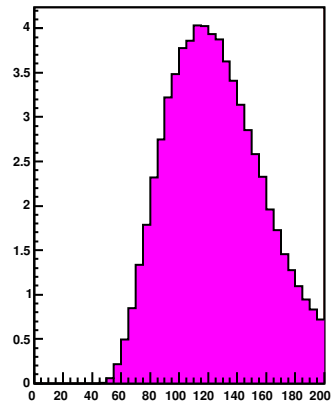

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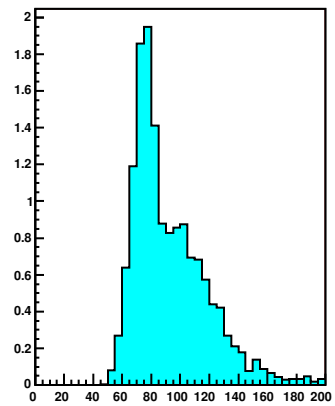

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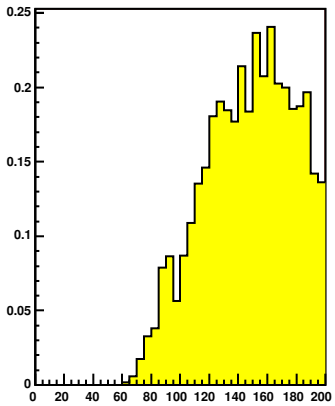

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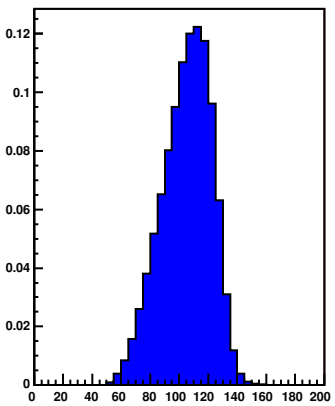

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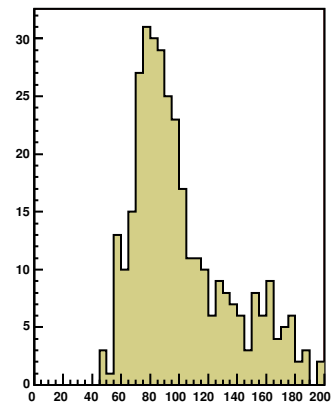

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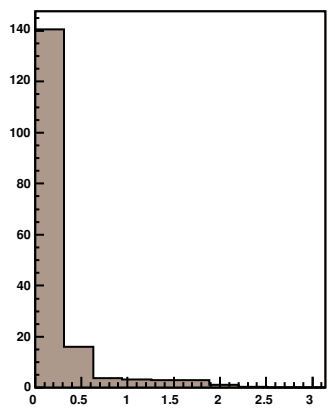

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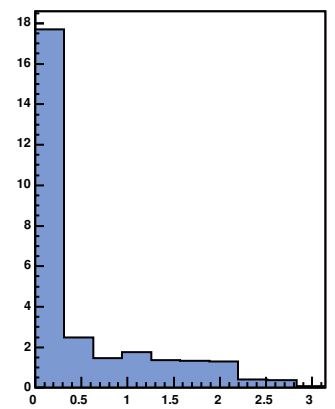

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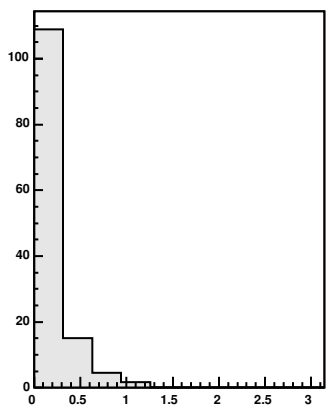

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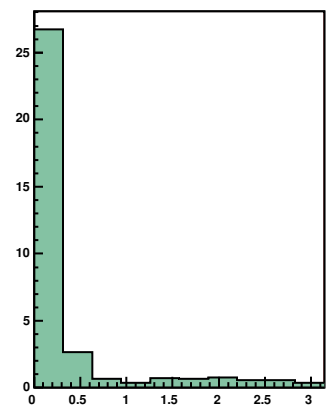

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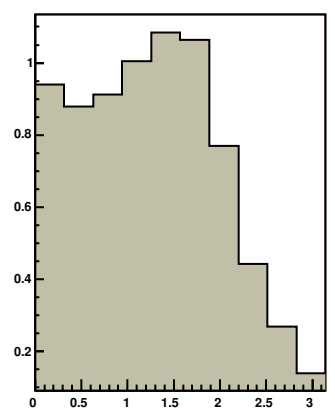

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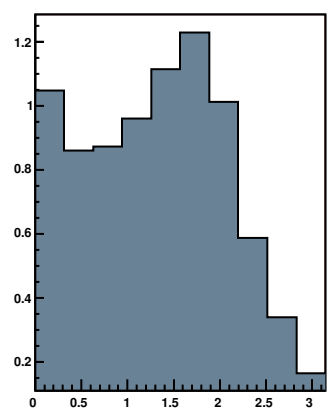

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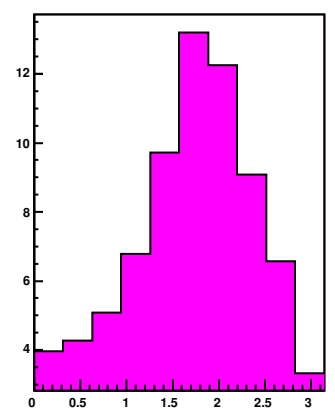

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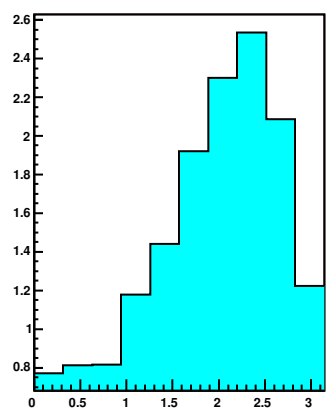

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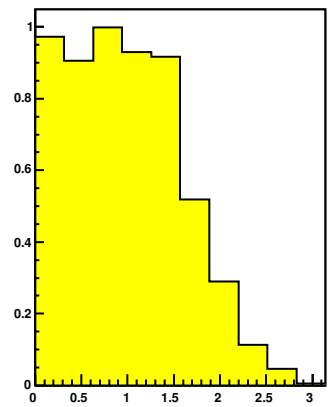

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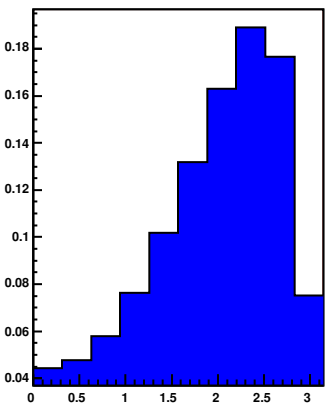

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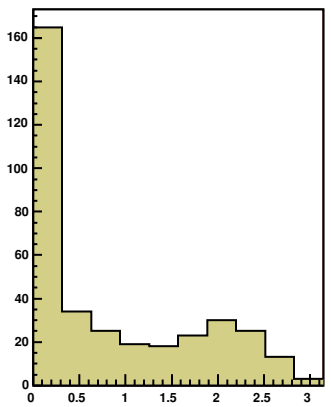
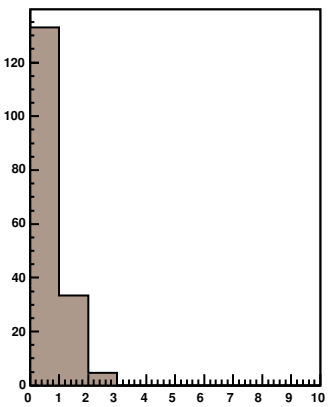


Zee-NN Variable Metsig cut tightjets



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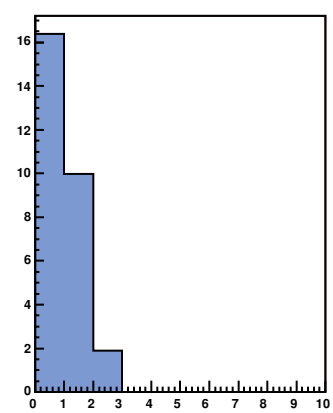

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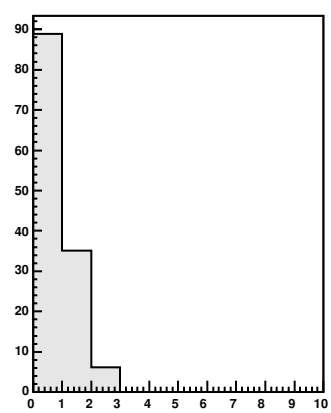

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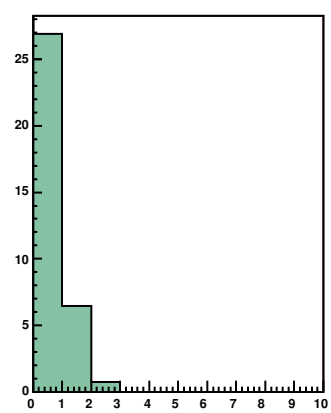

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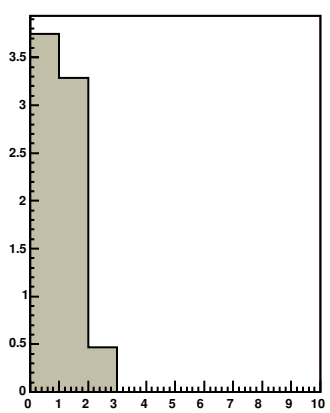

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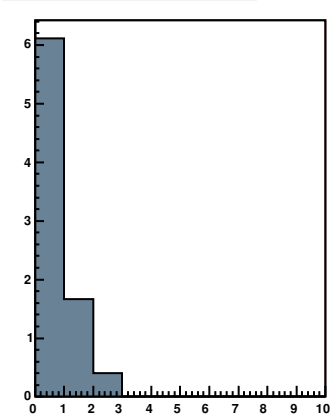

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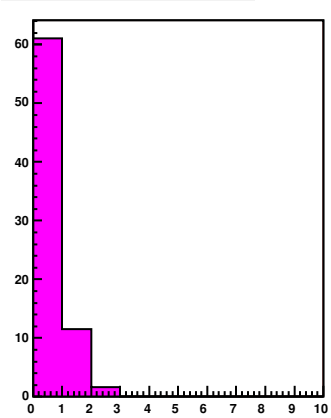

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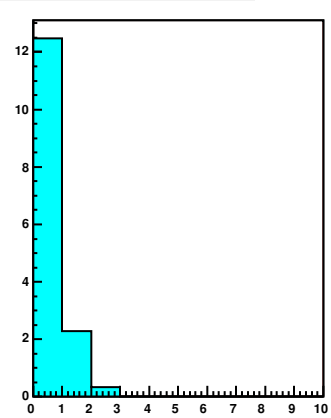

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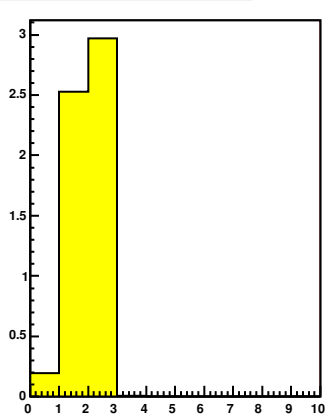

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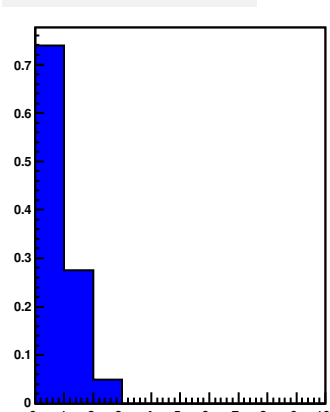

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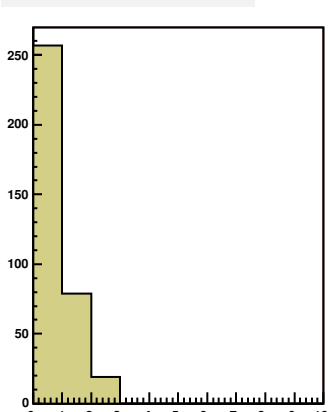

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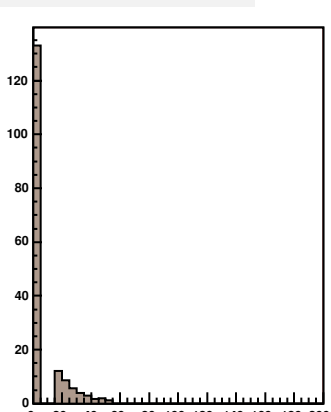

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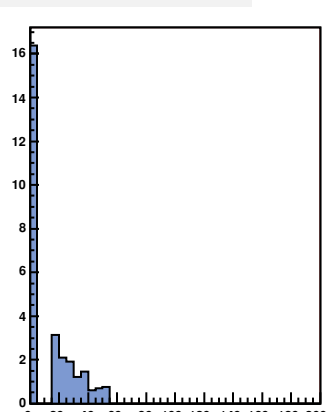

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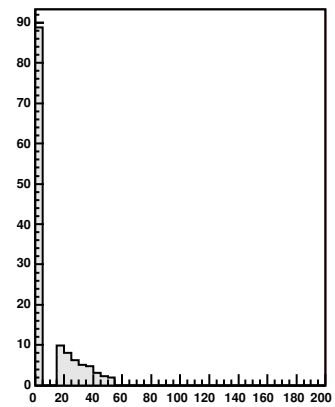

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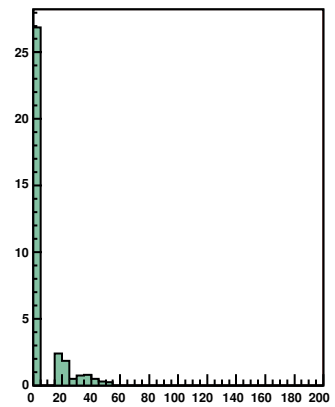

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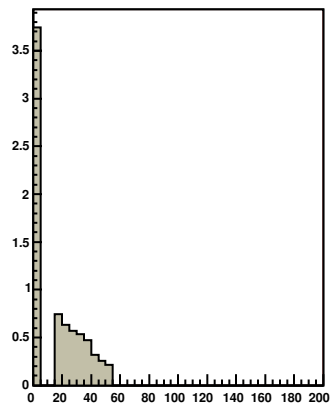

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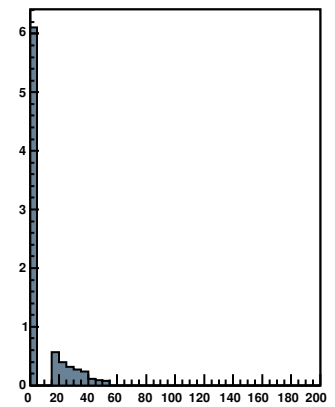

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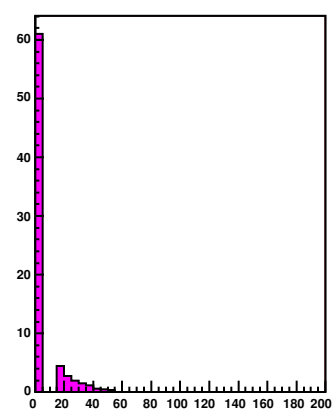

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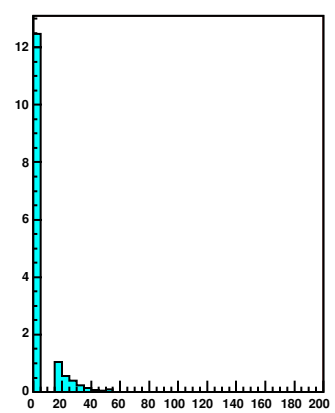

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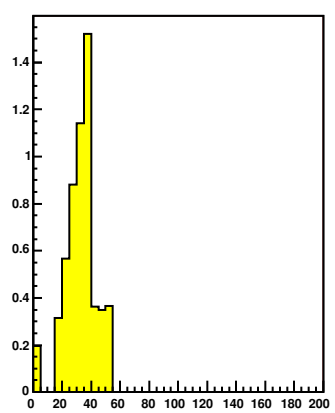

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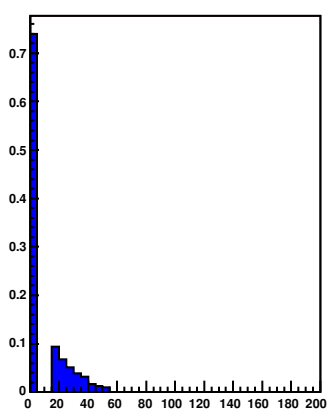

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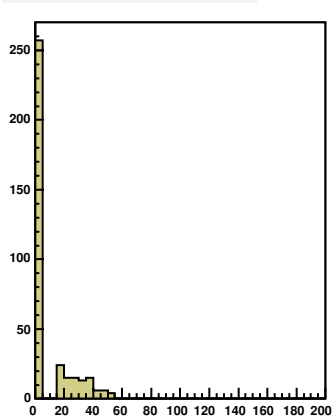

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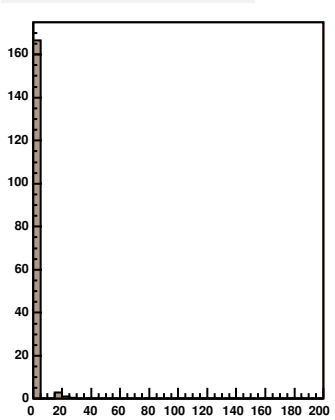

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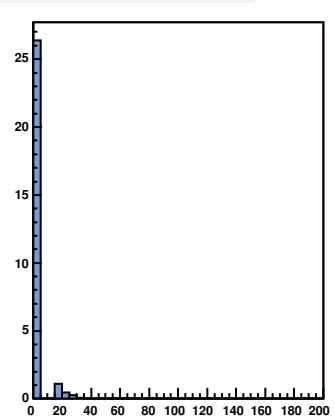

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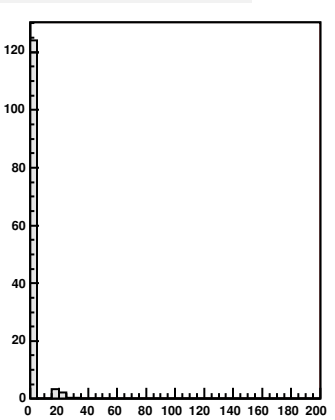

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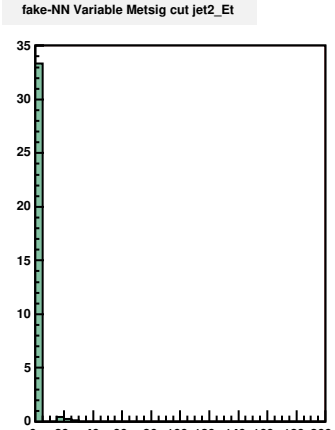

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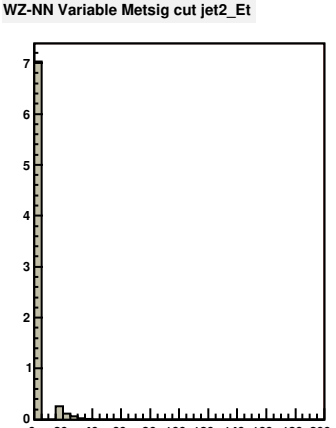

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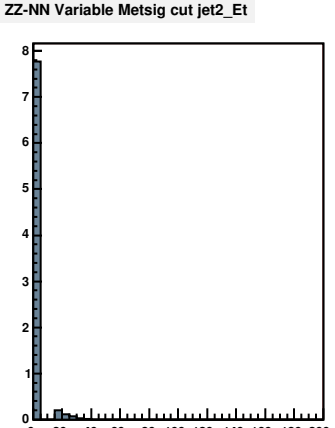

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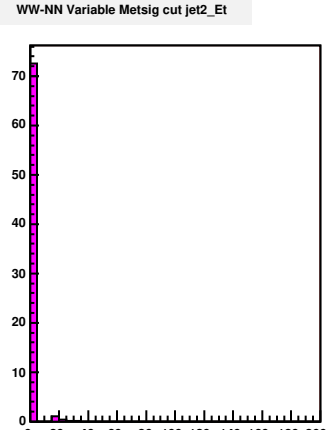

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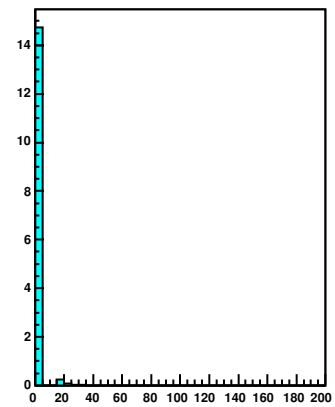

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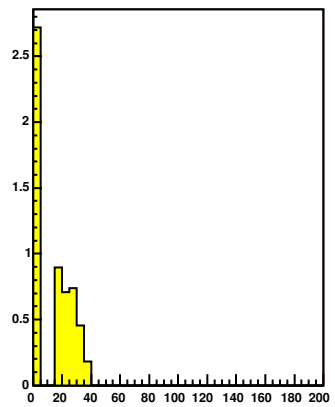

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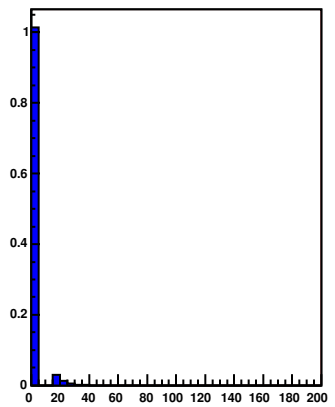

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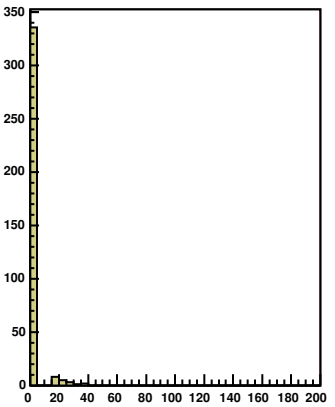

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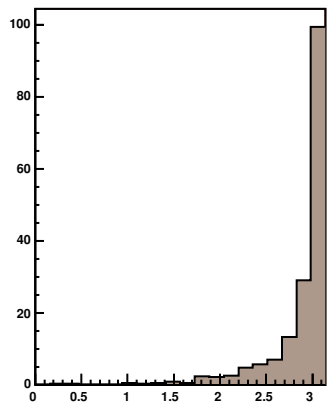

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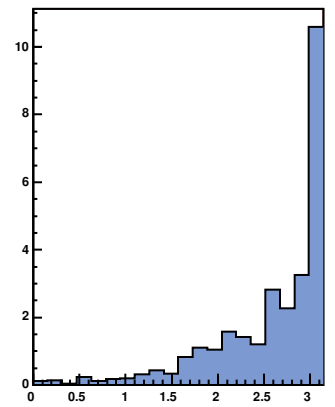

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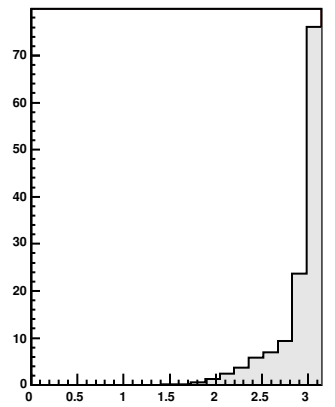

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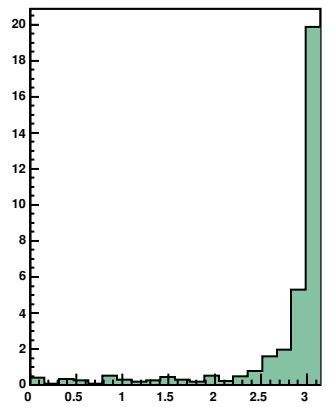

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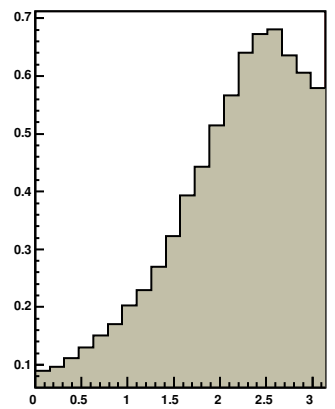

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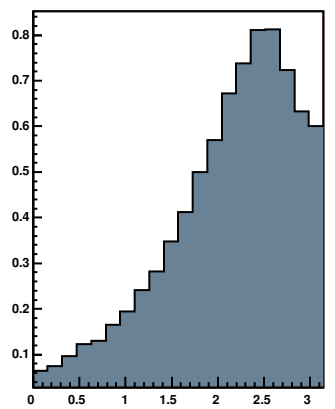

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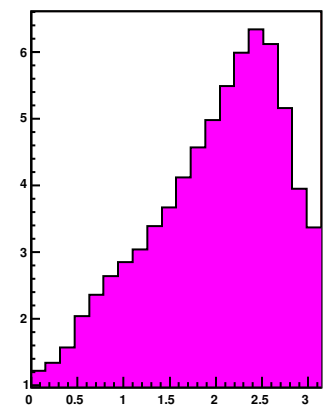

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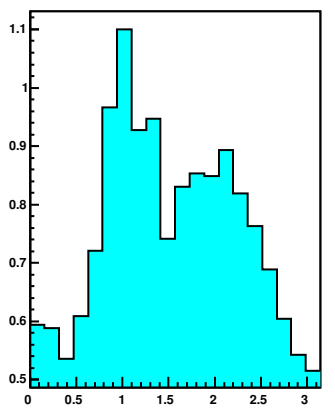

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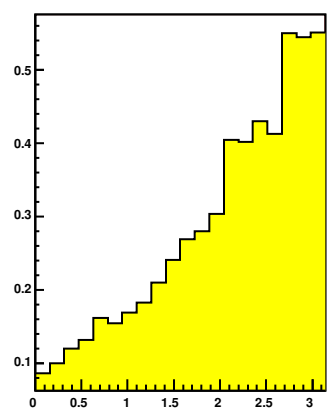

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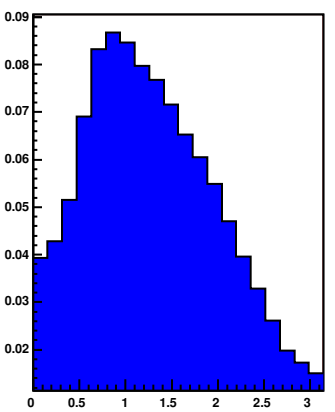

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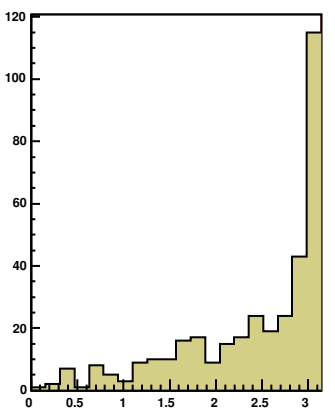

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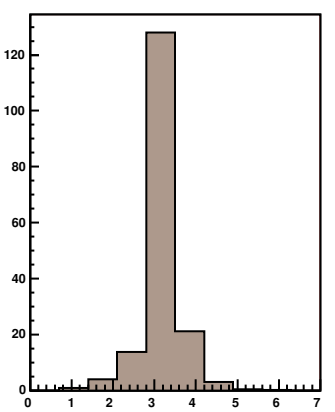

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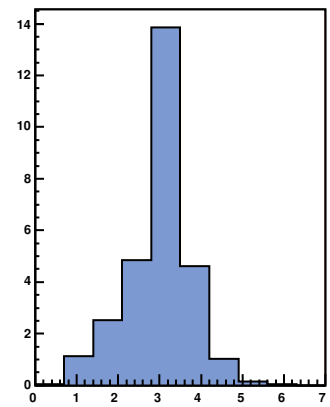

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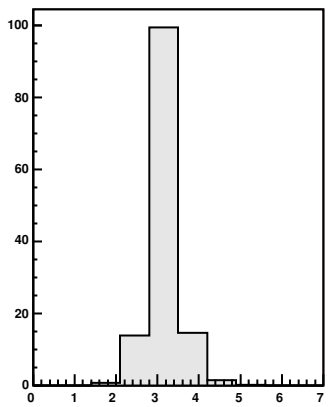

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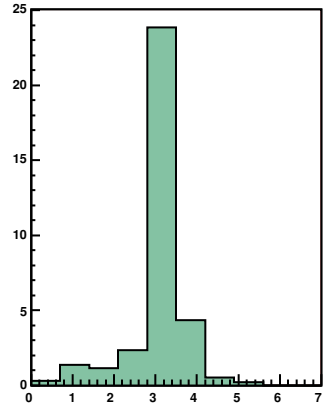

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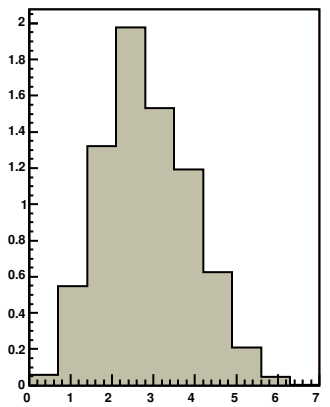

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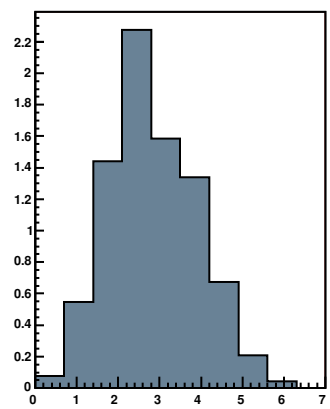

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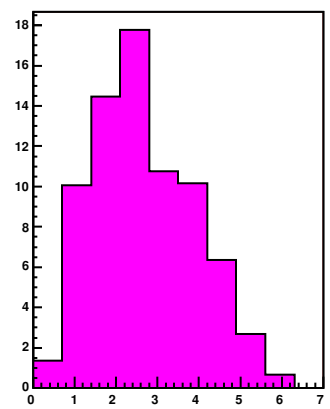

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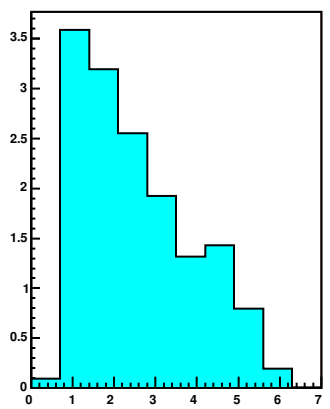

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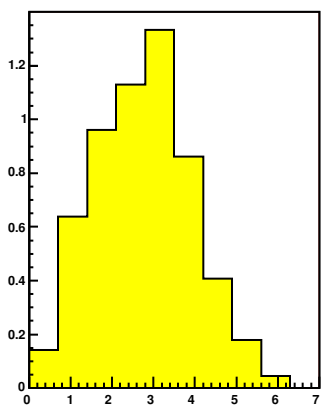

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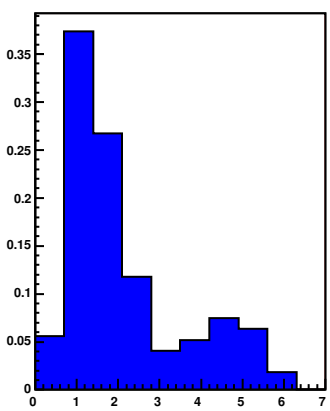

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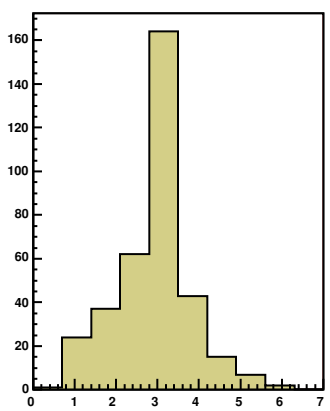

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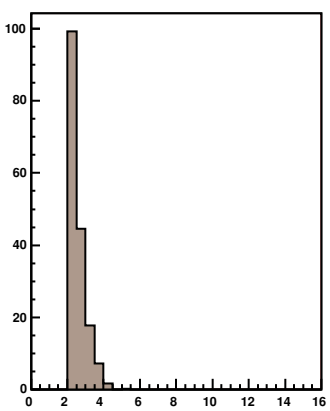

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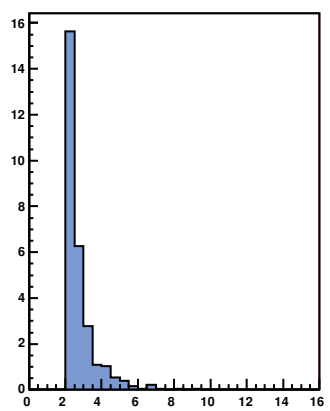

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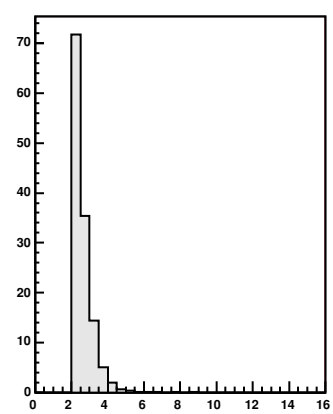

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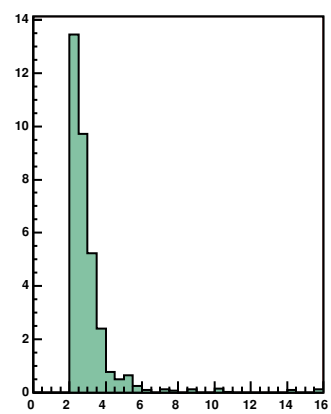

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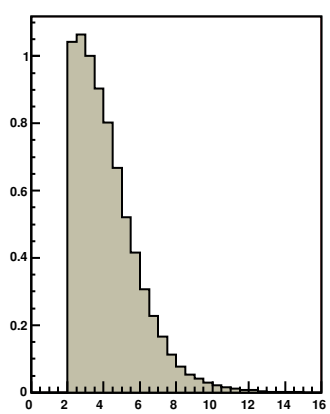

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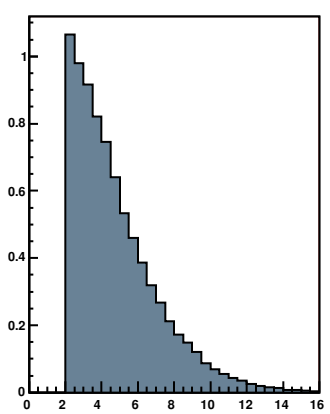

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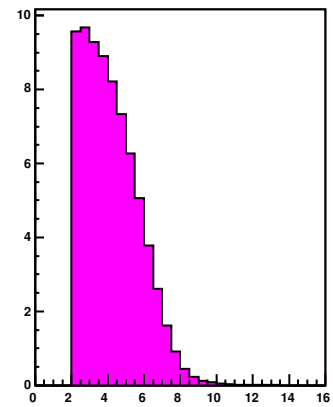

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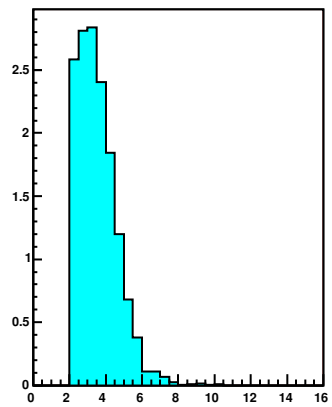

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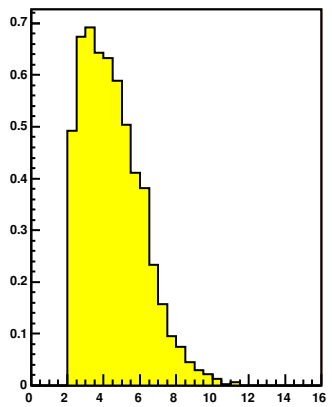

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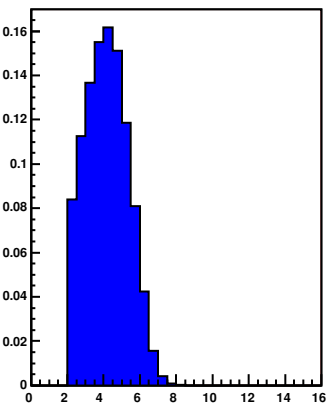

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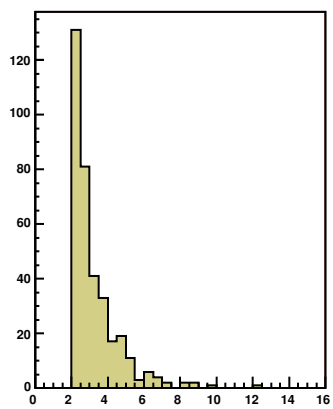

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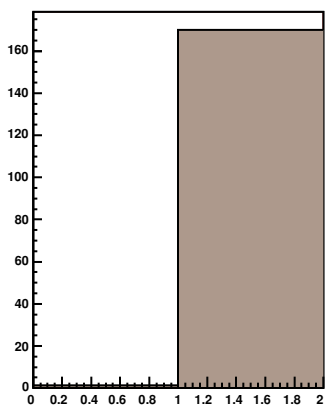

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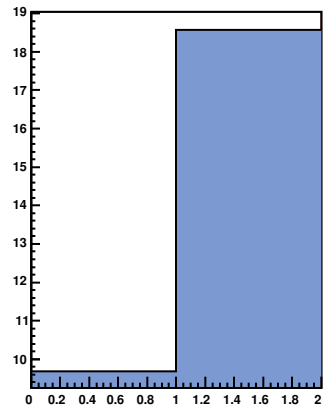

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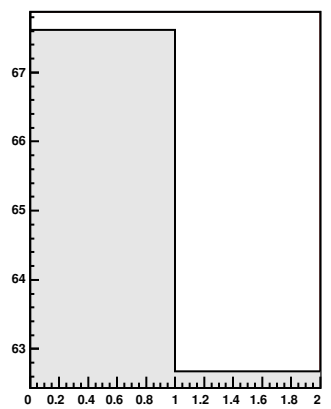

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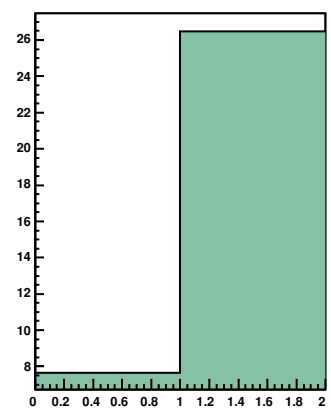

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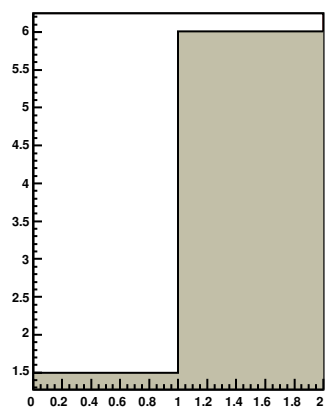

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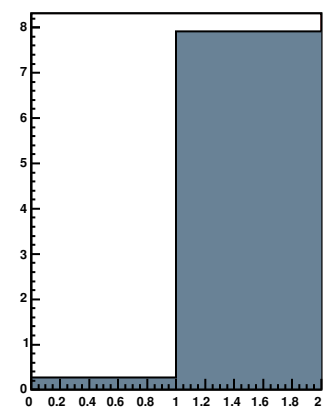

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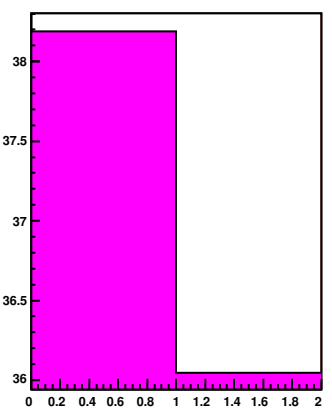

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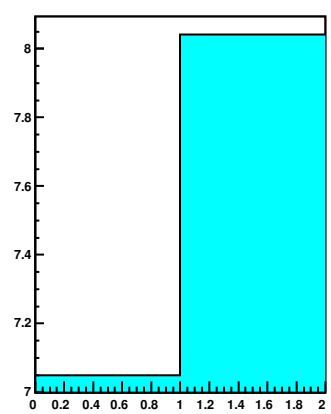

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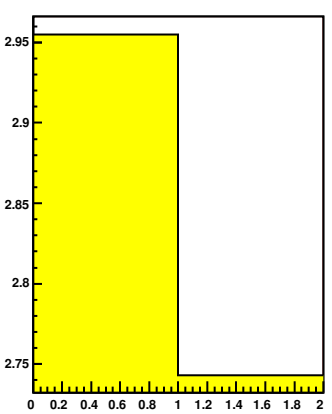

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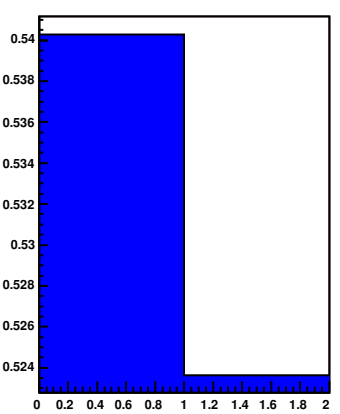

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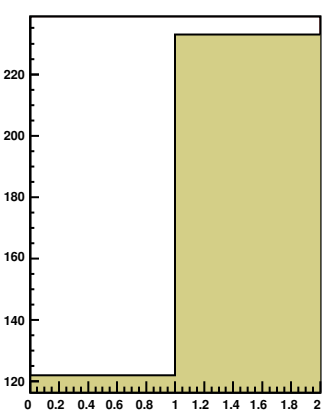

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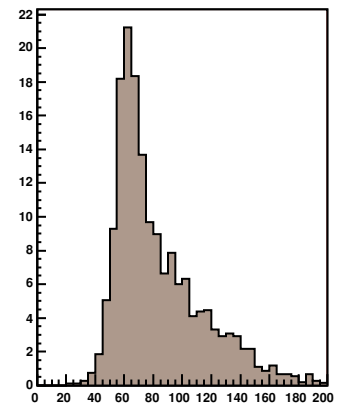

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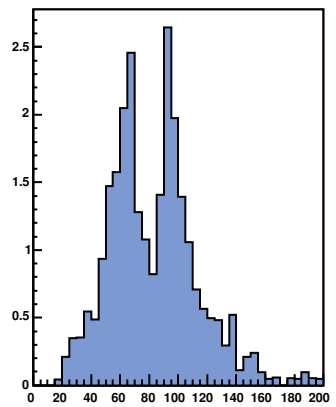

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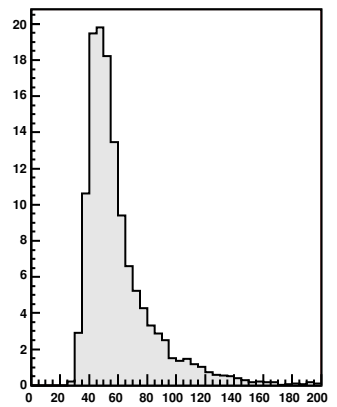

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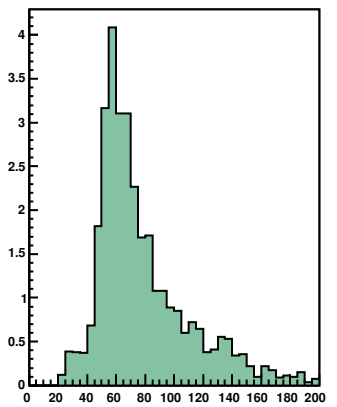

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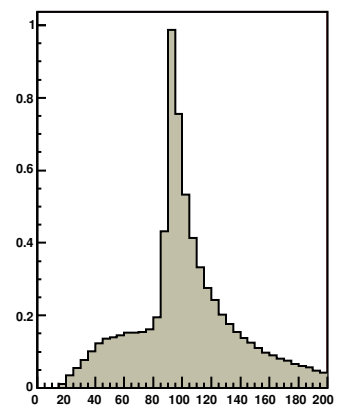

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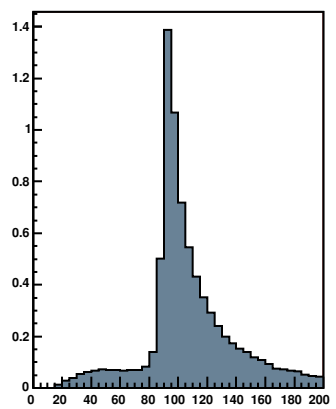

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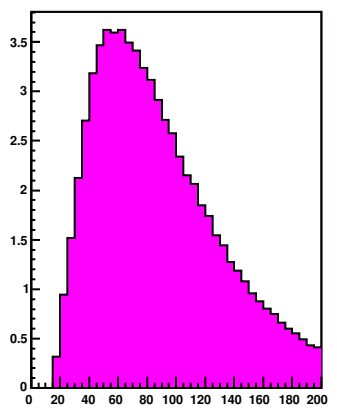

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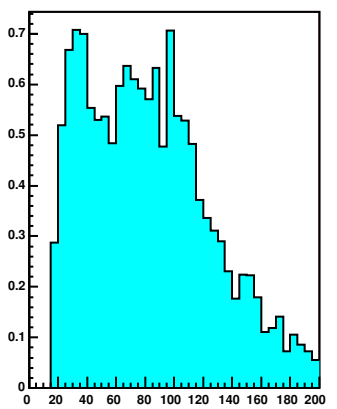

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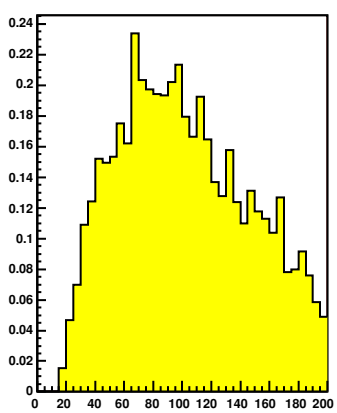

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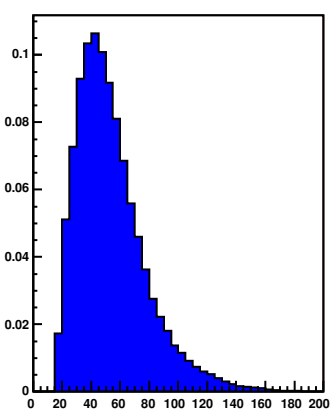

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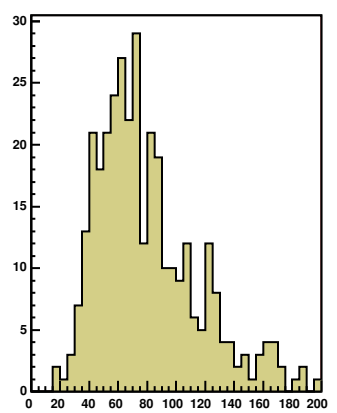

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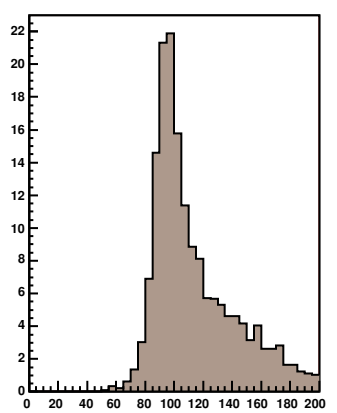

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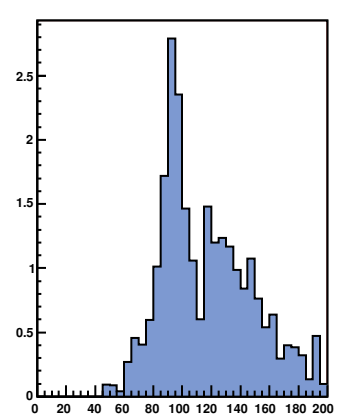

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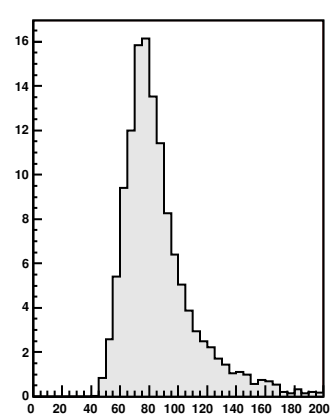

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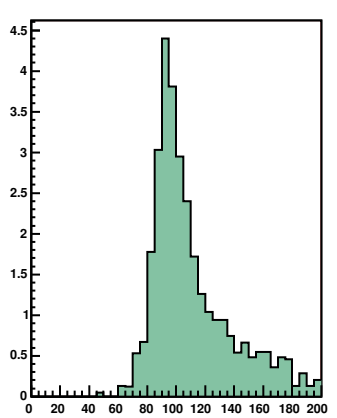

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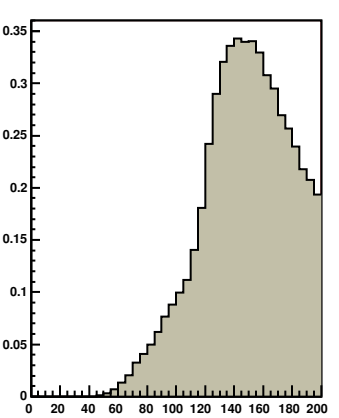

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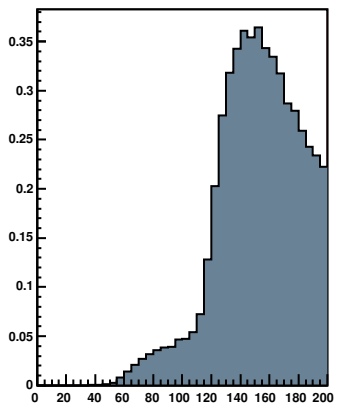

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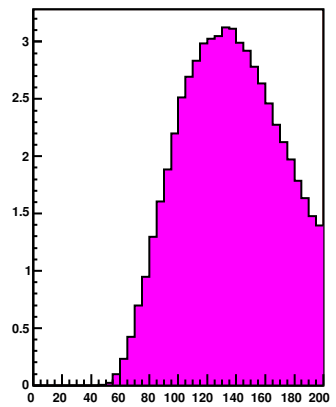

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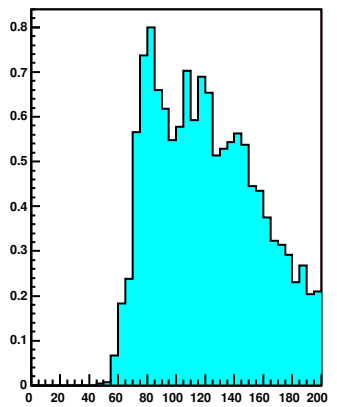

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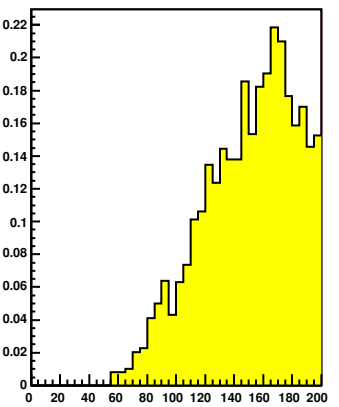

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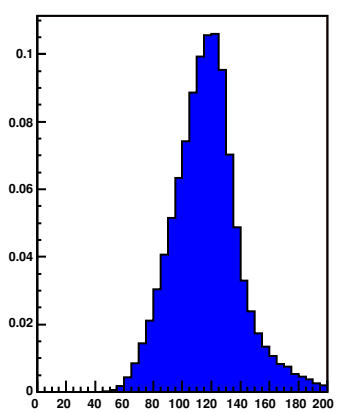

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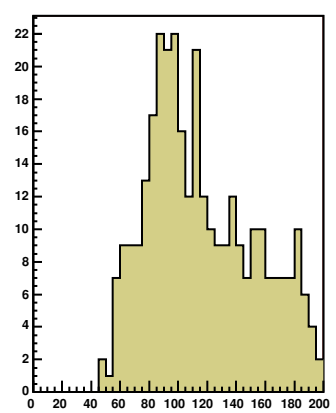

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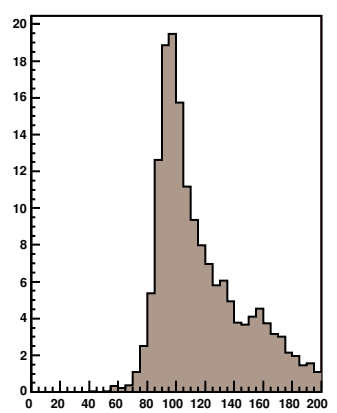

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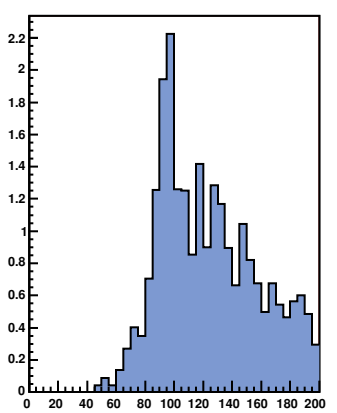

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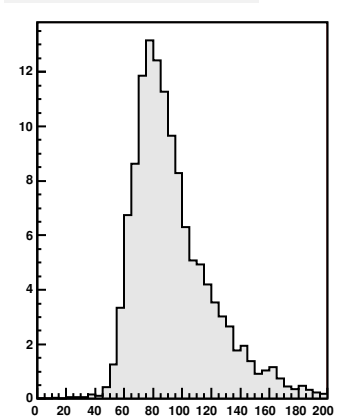

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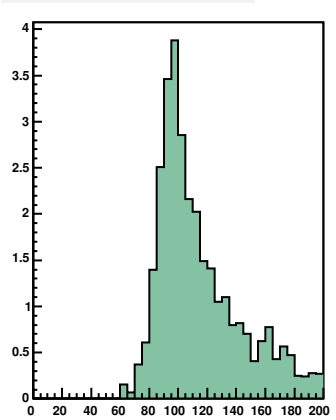

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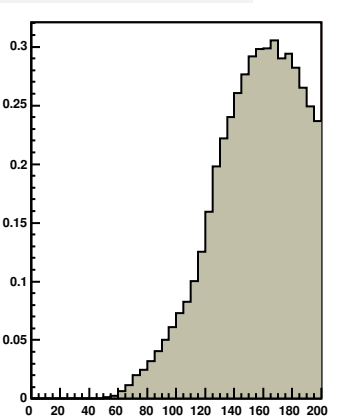

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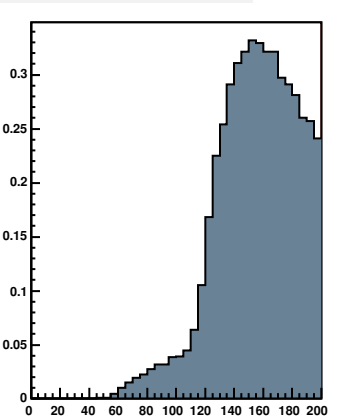

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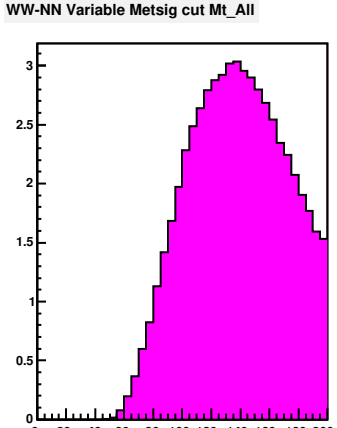

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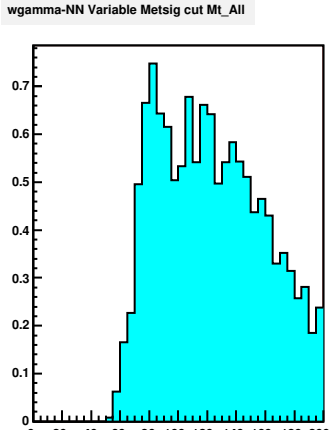

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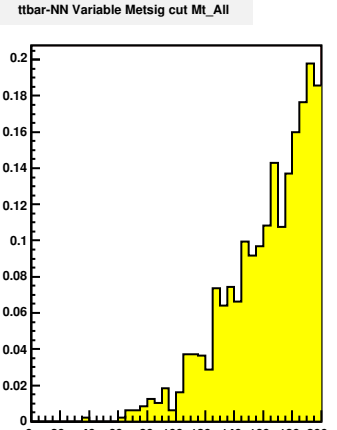

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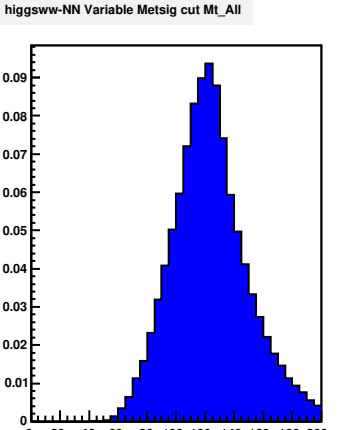

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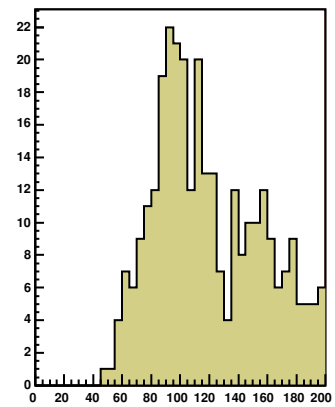

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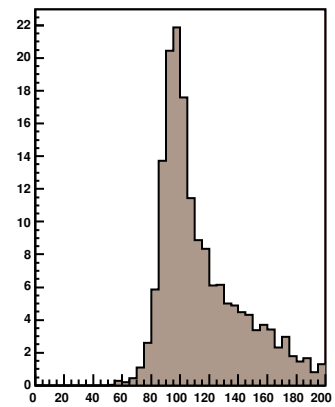

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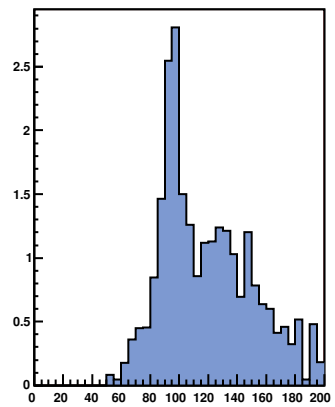

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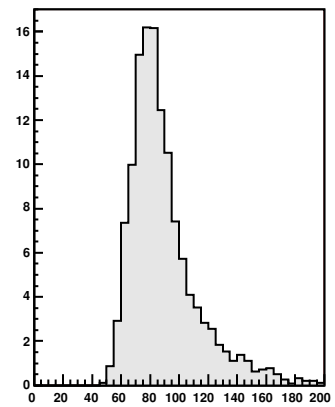

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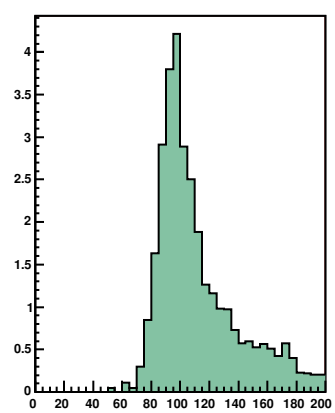

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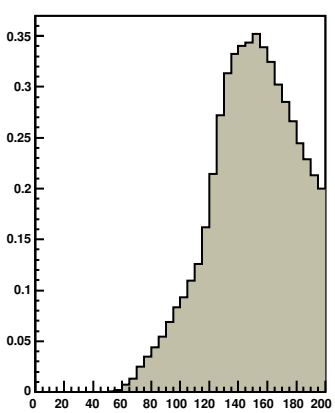

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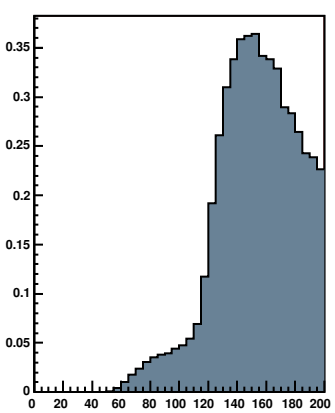

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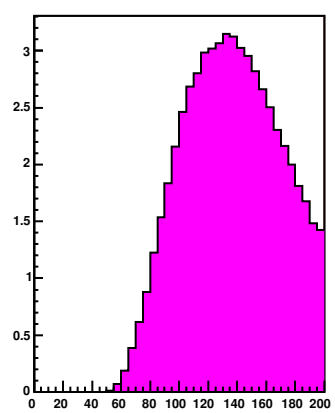

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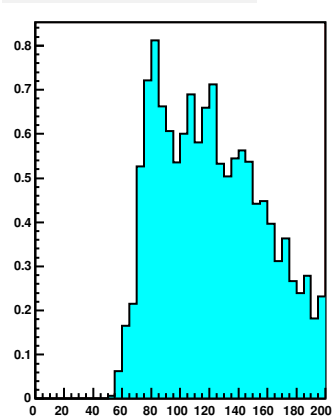

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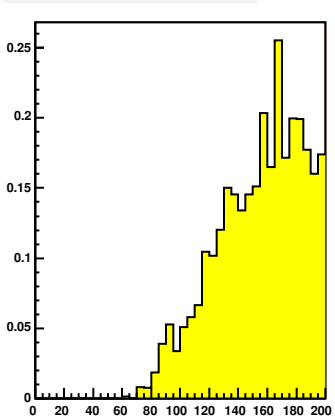

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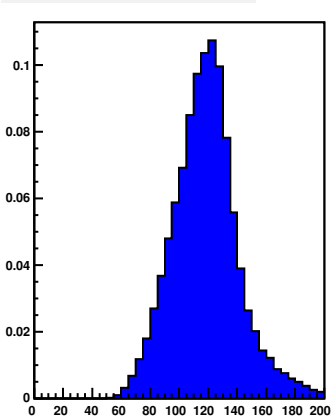

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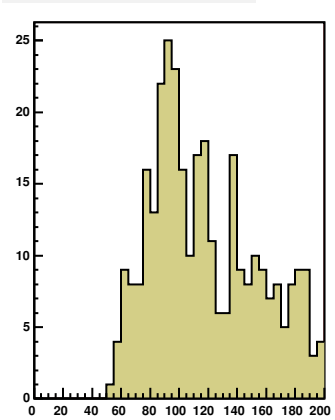

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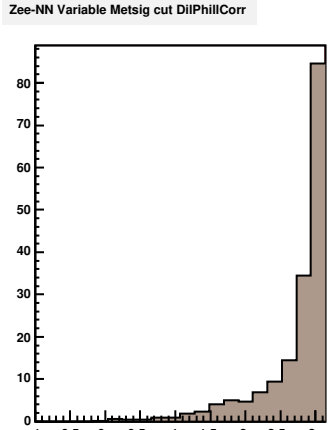

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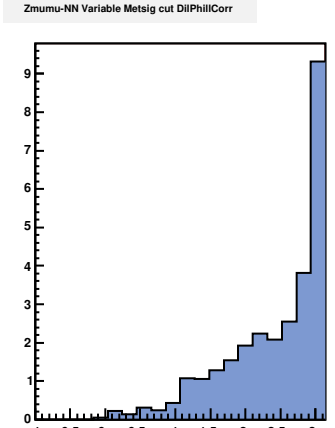

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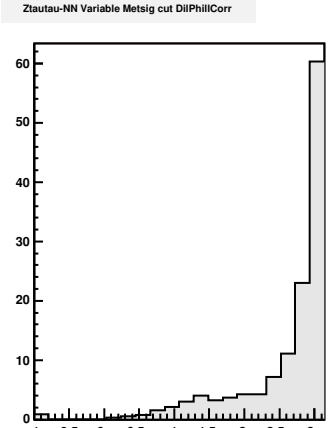

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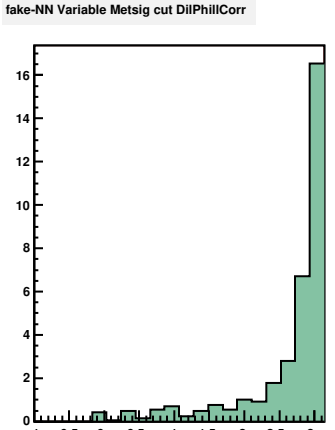

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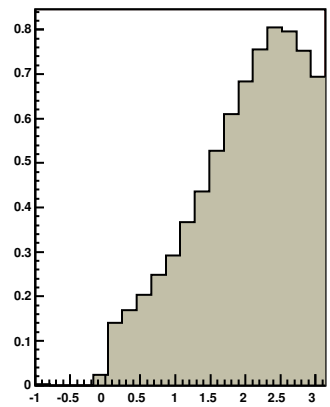

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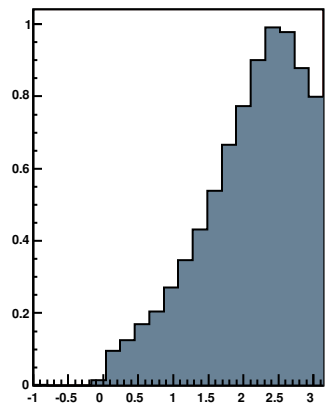

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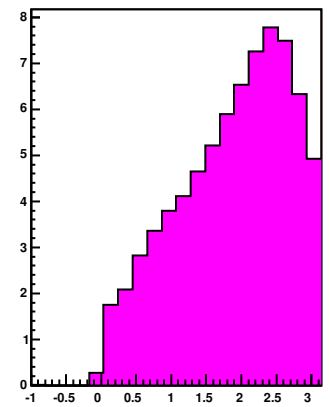

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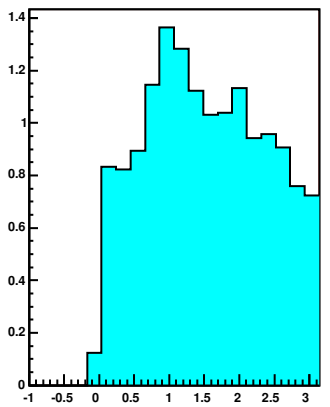

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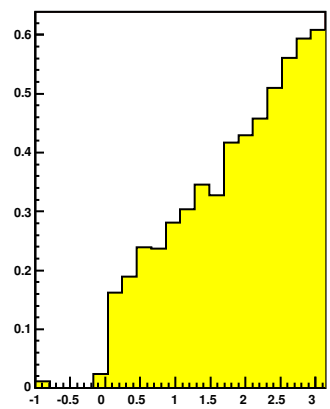

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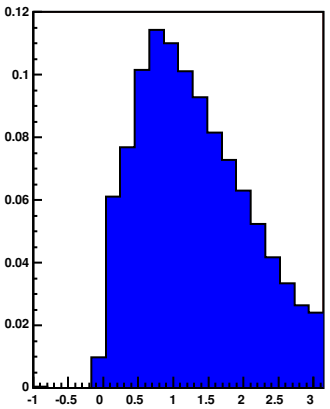

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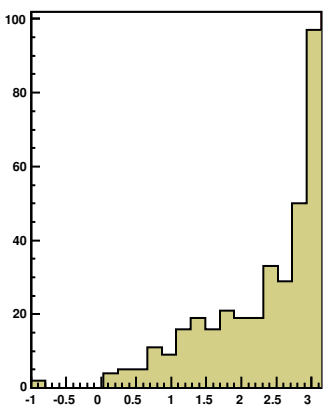
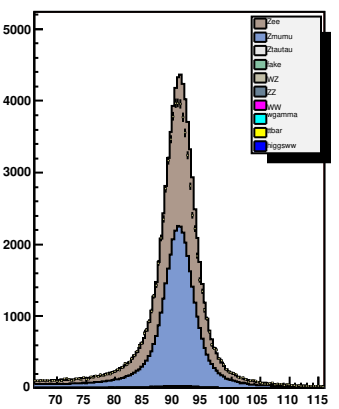
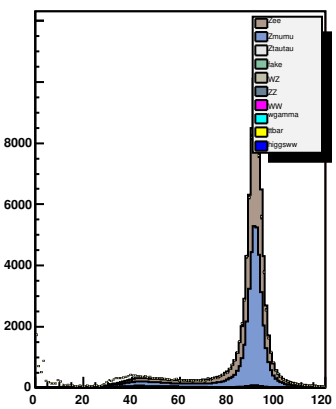


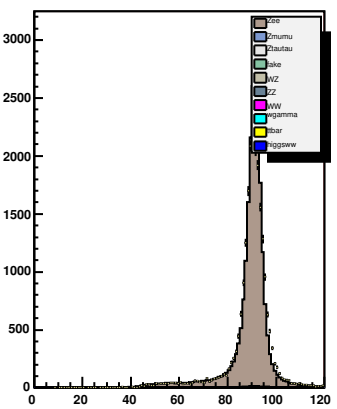
SBHs-dilepton masses for Z peak



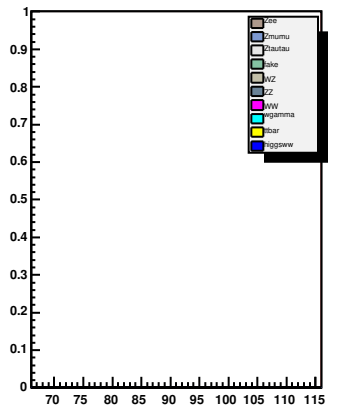
SBHs-dilepton masses for Z peak



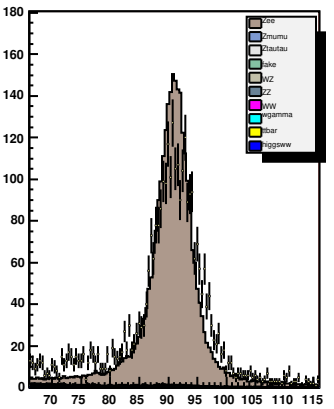
SBHs-dilepton masses for TCE-PHX Z peak



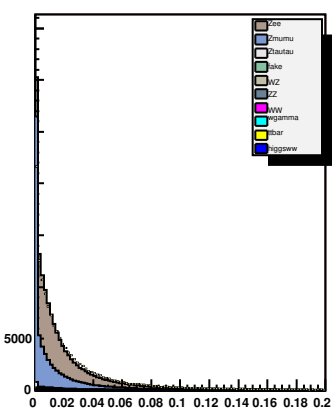
SBHs-hepg dilepton masses for Z peak



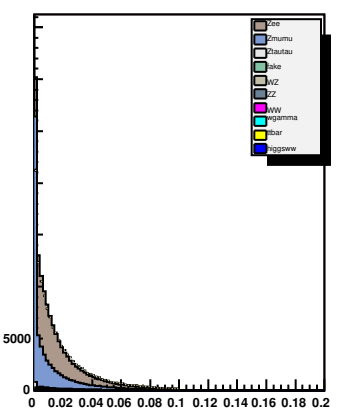
SBHs-same sign dilepton masses



SBHs-before lepton calorimeter isolation cut



SBHs-after lepton calorimeter isolation cut



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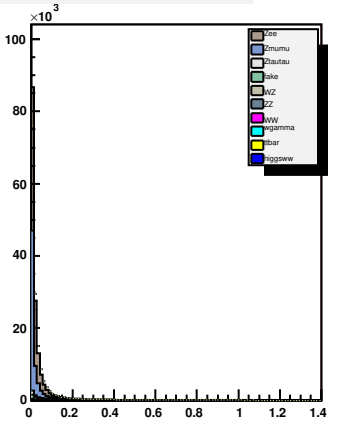

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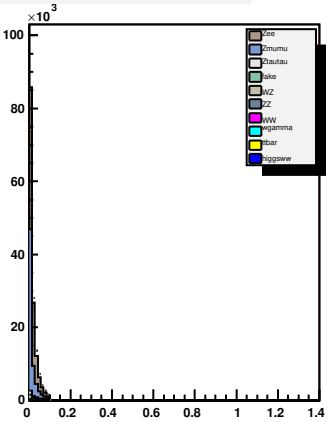
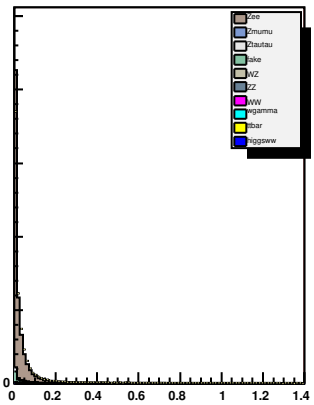
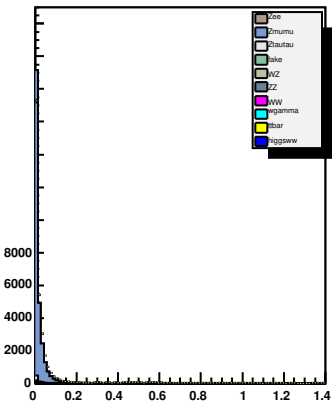


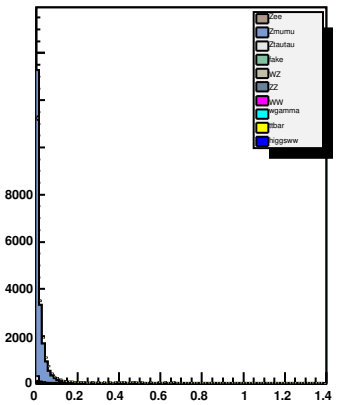
SBHs-TCE Trk Isolation



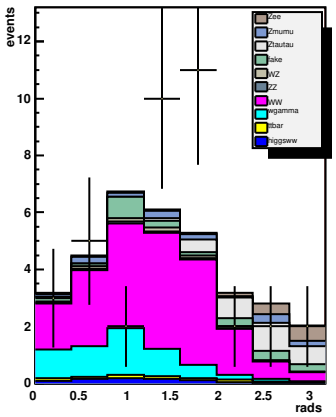
SBHs-CMUP Trk Isolation



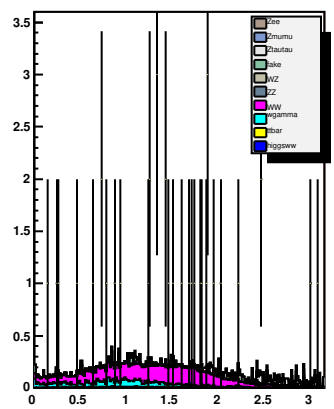
SBHs-CMX Trk Isolation



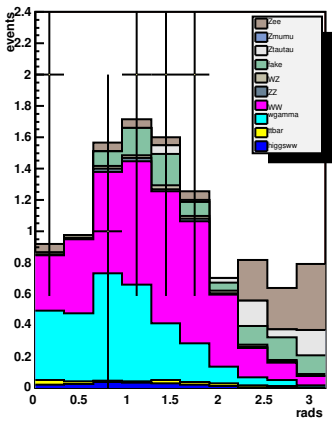
SBHs-lepton angular separation

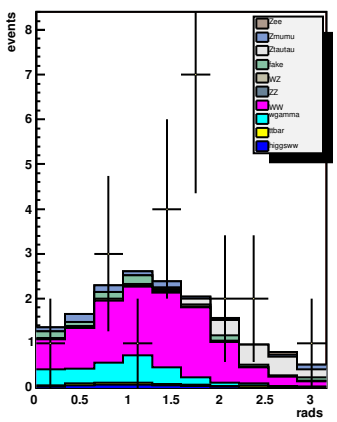


SBHs-dildphi in ALLfor like

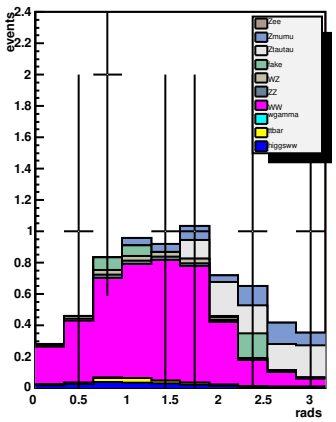


SBHs-lepton angular separation of electrons

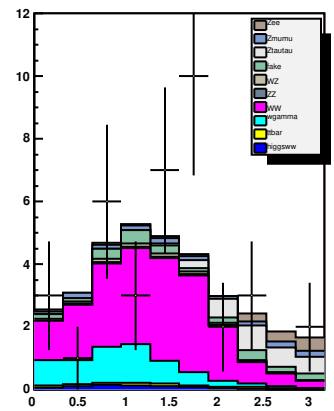




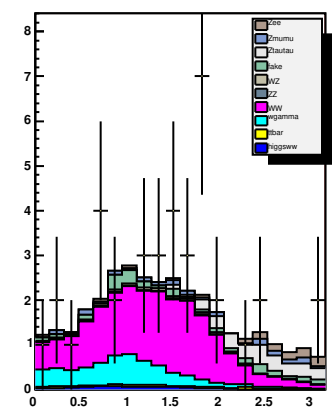
SBHs-lepton angular separation of muons



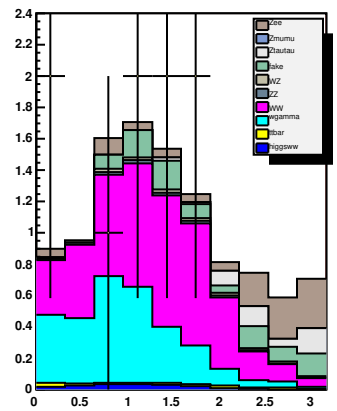
SBHs-dildphi in ALL



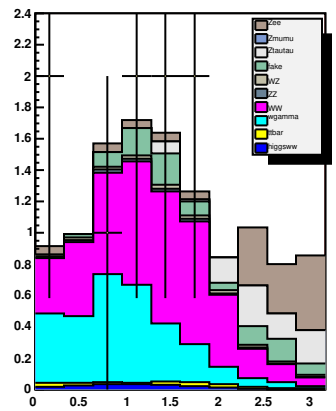
SBHs-dildphi in ALL



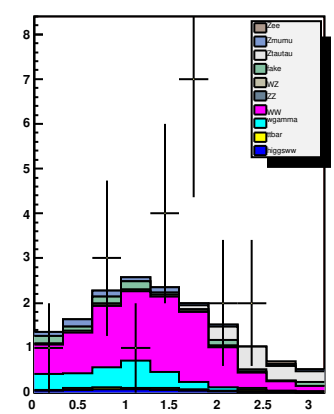
SBHs-dphi of electrons, high JES



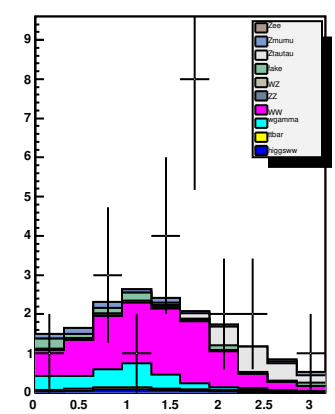
SBHs-dphi of electrons, low JES



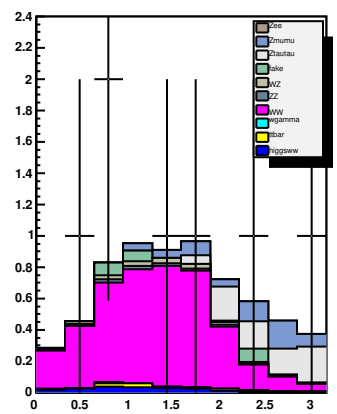
SBHs-dphi of electron and muon, high JES



SBHs-dphi of electron and muon, low JES



SBHs-dphi of muons, high JES



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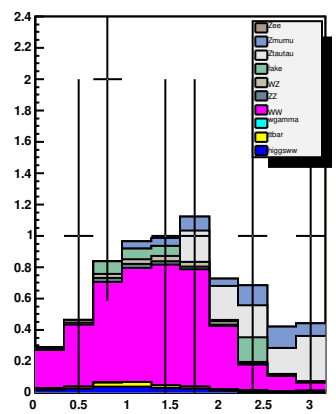
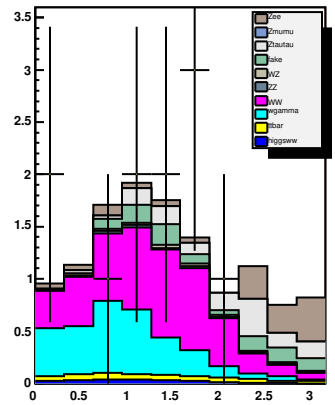
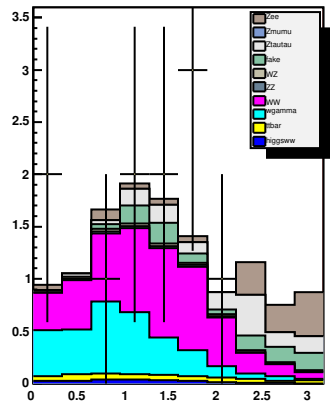


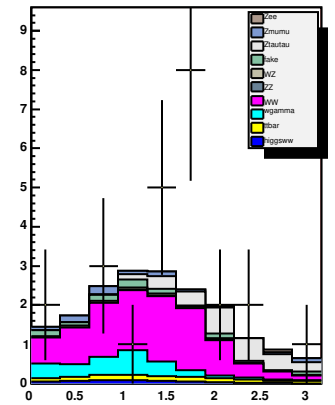
SBHs-dphi of electrons, high LES



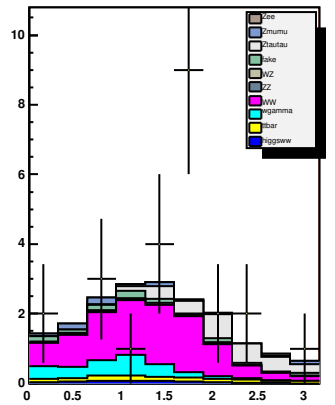
SBHs-dphi of electrons, low LES



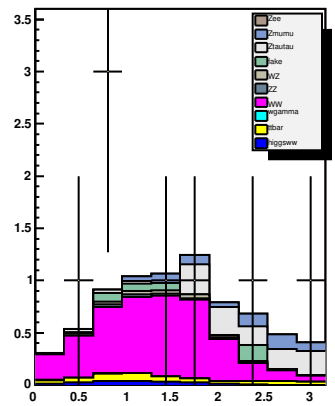
SBHs-dphi of electron and muon, high LES



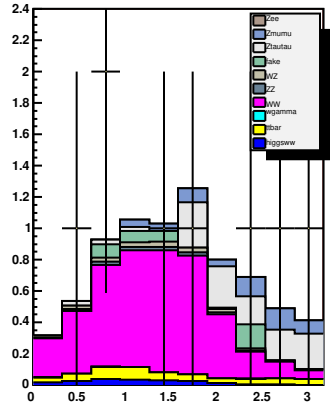
SBHs-dphi of electron and muon, low LES



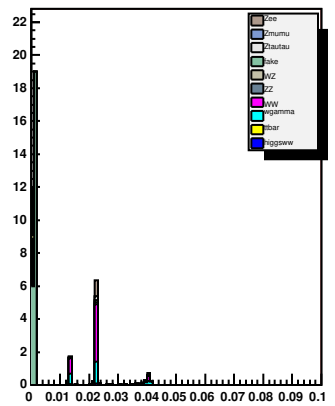
SBHs-dphi of muons, high LES



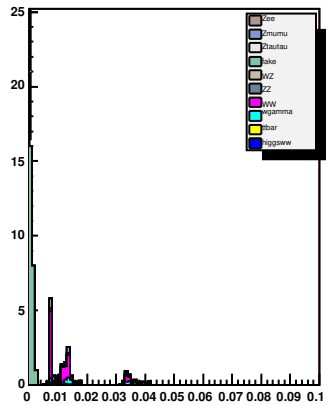
SBHs-dphi of muons, low LES



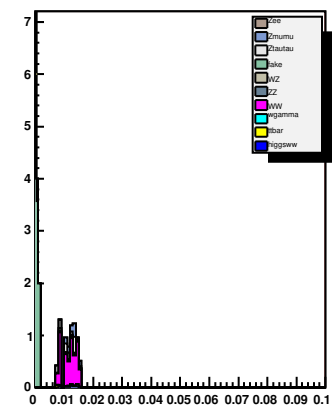
SBHs-Relative Weights Error for electrons



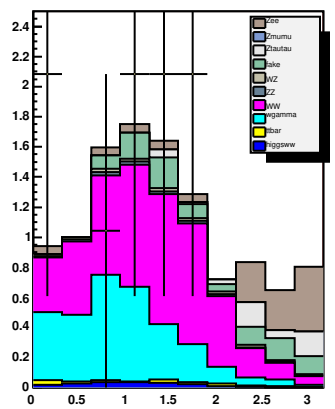
SBHs-Relative Weights Error for electron and muon



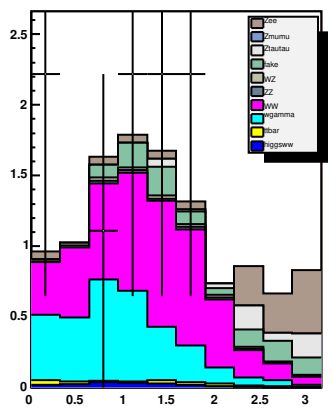
SBHs-Relative Weights Error for muons



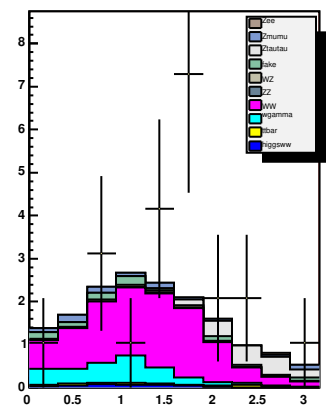
SBHs-dphi of electrons, high ISR



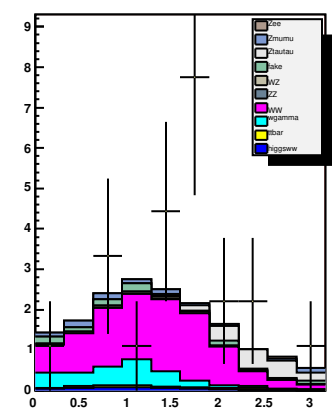
SBHs-dphi of electrons, low ISR



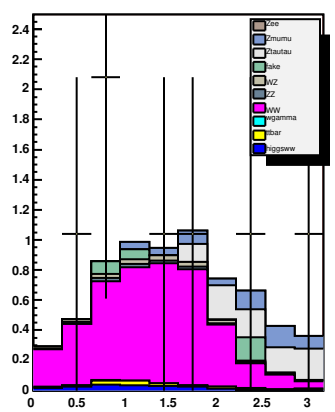
SBHs-dphi of electron and muon, high ISR



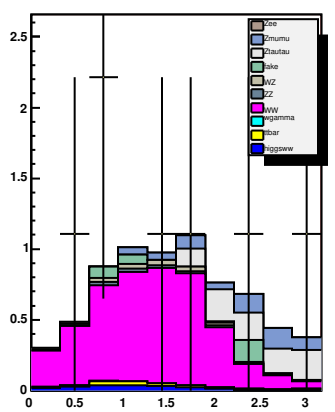
SBHs-dphi of electron and muon, low ISR



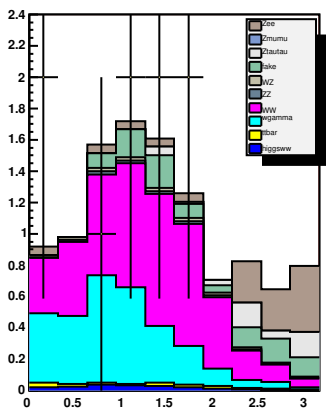
SBHs-dphi of muons, high ISR



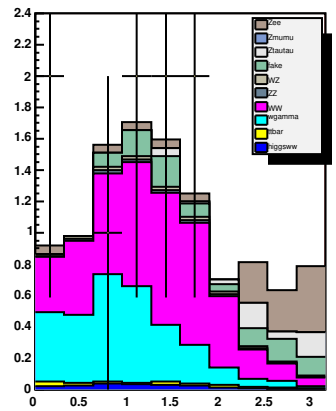
SBHs-dphi of muons, low ISR



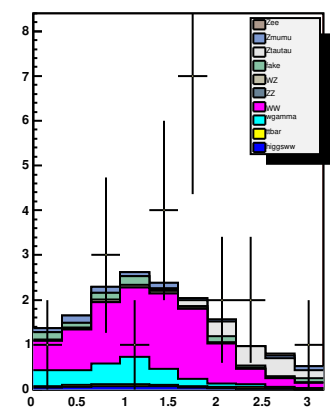
SBHs-dphi of electrons, high Fake



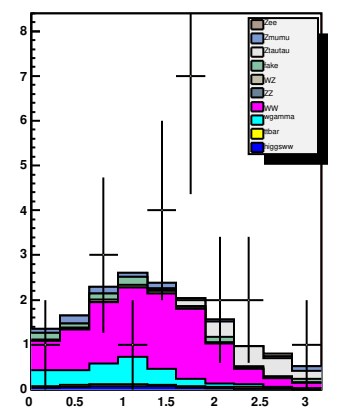
SBHs-dphi of electrons, low Fake



SBHs-dphi of electron and muon, high Fake



SBHs-dphi of electron and muon, low Fake



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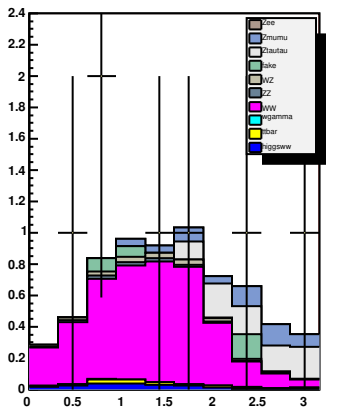

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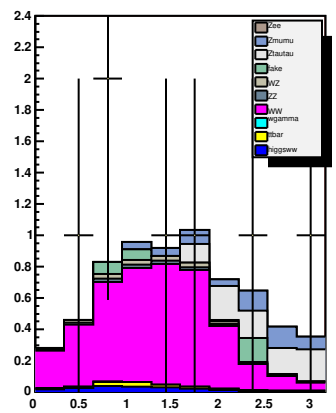
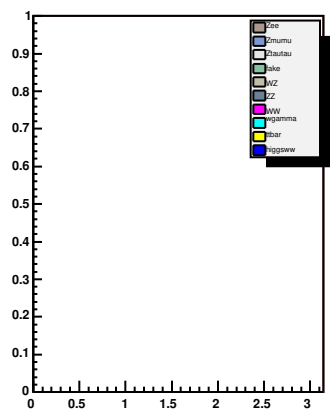
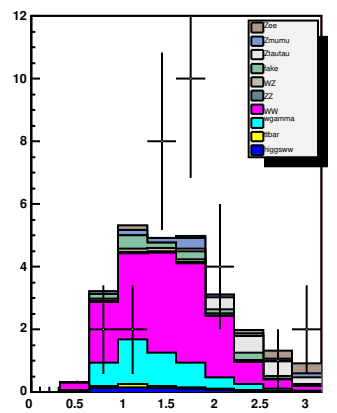


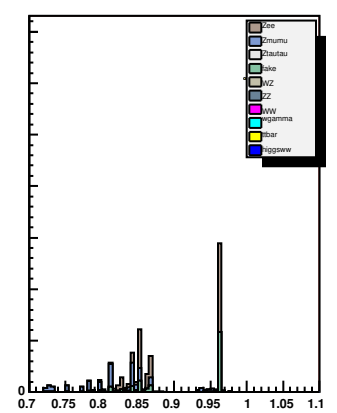
SBHs-dphi from TMVA selection



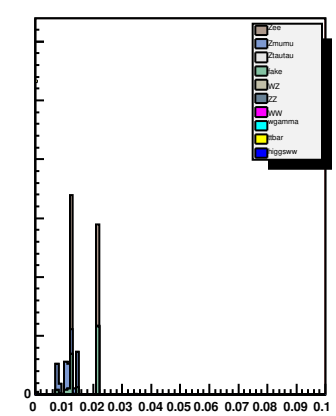
SBHs-dilepton dR



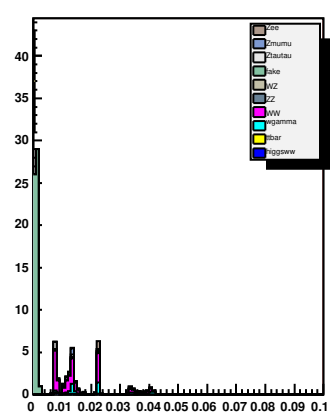
SBHs-Weight forALL



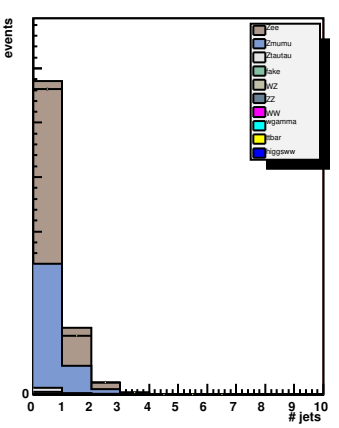
SBHs-Weight Error for ALL



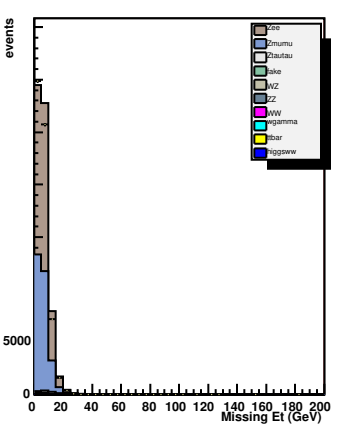
SBHs-Relative Weight Error for ALL



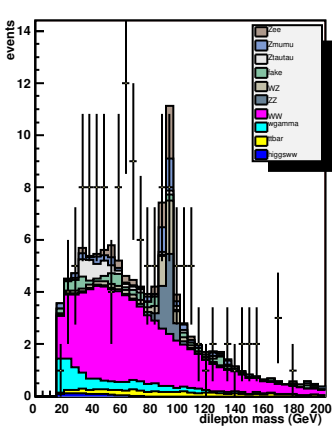
SBHs-Number of Jets in before Jet cut



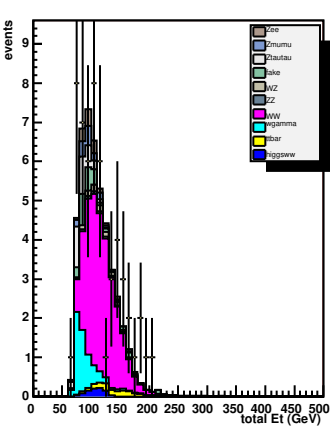
SBHs-Missing Et before missing et cut



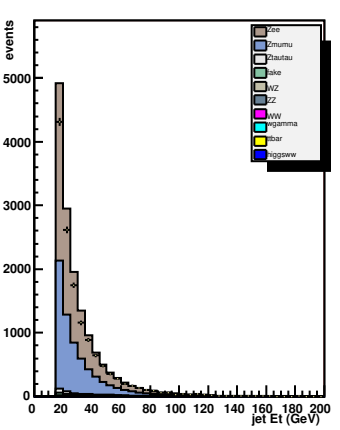
SBHs-dilepton mass before dilepton mass cut



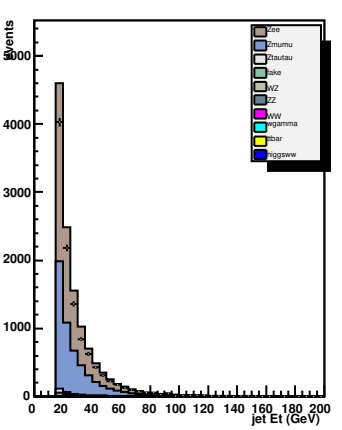
SBHs-total Et in before total et cut



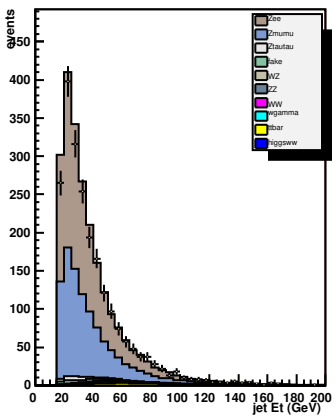
SBHs-Lead jet Et for all jets before Jet cut



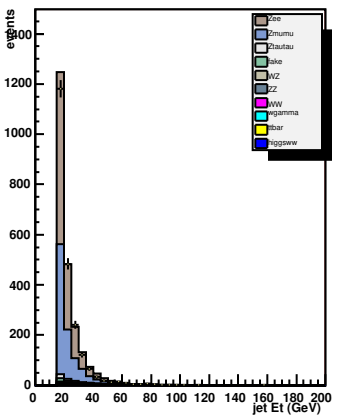
SBHs-Lead jet Et for one jet before Jet cut



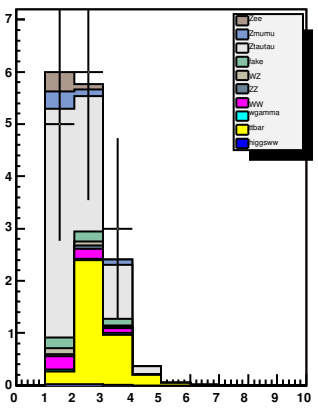
SBHs-Lead jet Et for two jets in before Jet cut



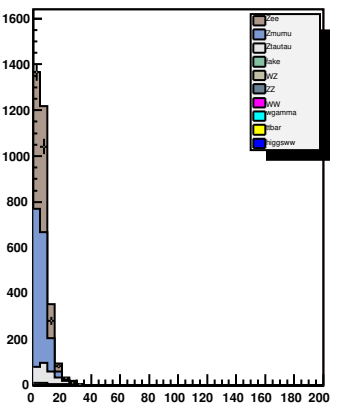
SBHs-Second jet Et for two jets before Jet cut



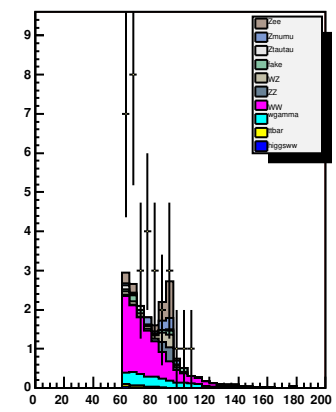
SBHs-Number of Jets inALL in Nm1 Jet cut



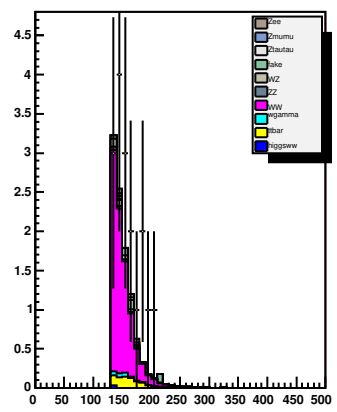
SBHs-Missing Et inALL in Nm1 missing et cut



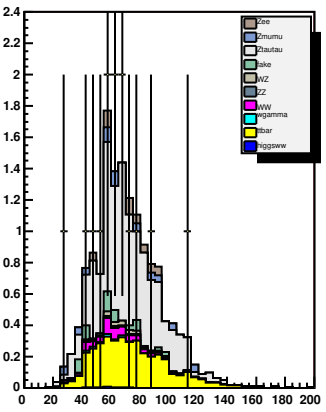
SBHs-dil mass inALL in Nm1 dil mass max cut



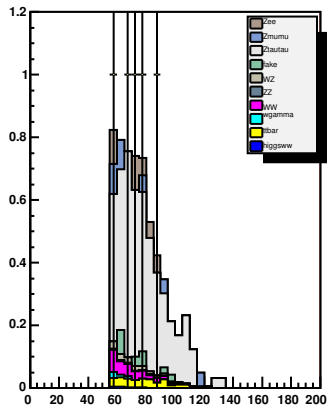
SBHs-total et inALL in Nm1 total et cut



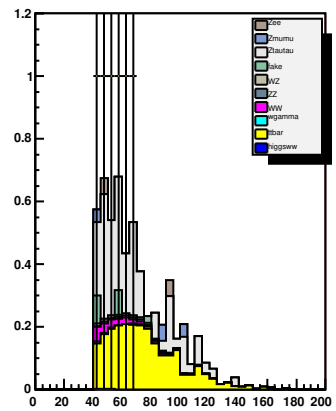
SBHs-Lead jet Et for all jets inALL in Nm1 Jet cut



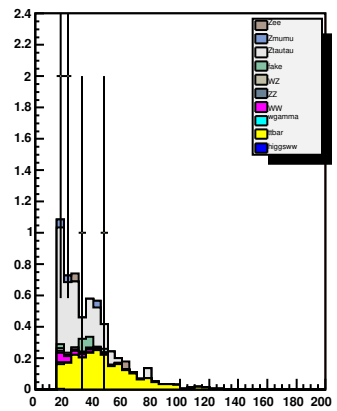
SBHs-Lead jet Et for one jet in ALL in Nm1 Jet cut



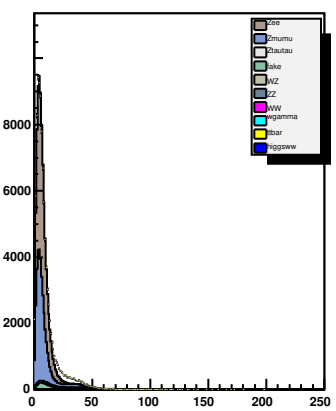
SBHs-Lead jet Et for two jets in ALL in Nm1 Jet cut



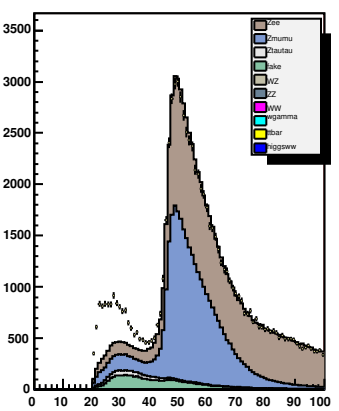
SBHs-Second jet Et for two jets in ALL in Nm1 Jet cut



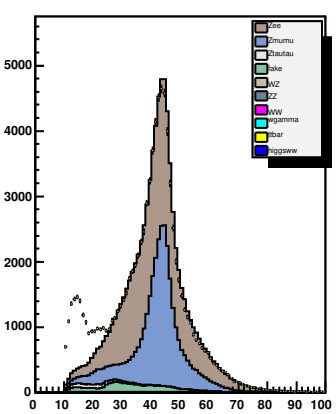
SBHs-Missing Et



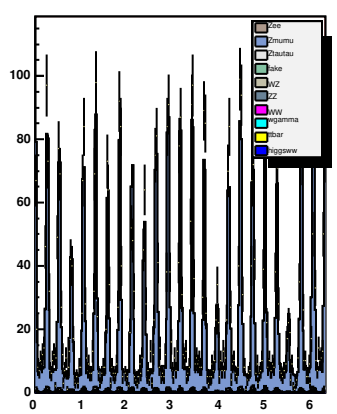
SBHs-highest lepton Et in ALL



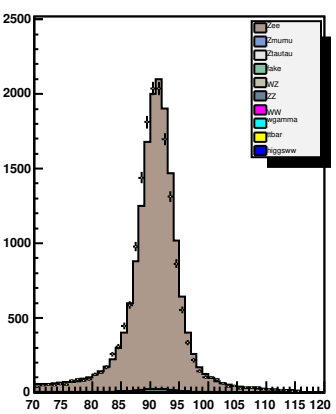
SBHs-secondhighest lepton Et in ALL



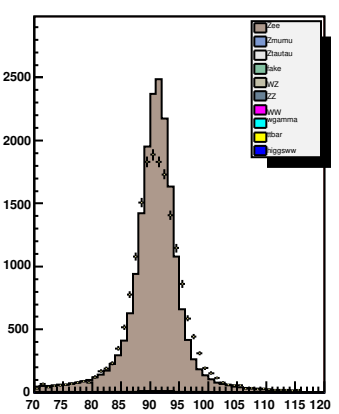
SBHs-CMP Phi in ALL



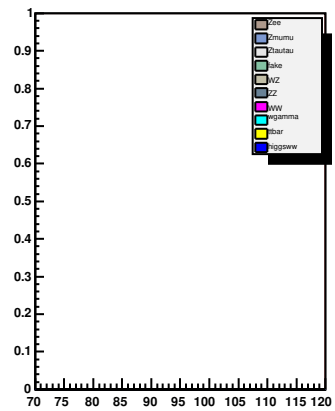
SBHs-TCE_TCE Mass



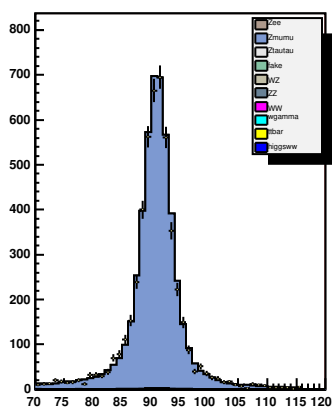
SBHs-TCE_PHX Mass



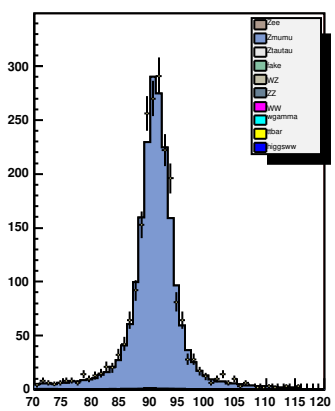
SBHs-PHX_PHX Mass



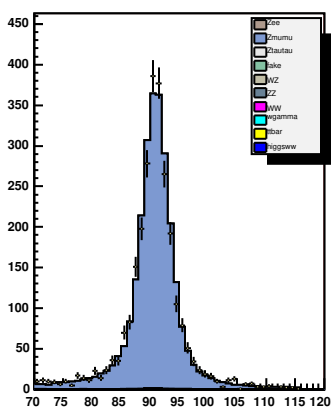
SBHs-CMUP_CMUP Mass



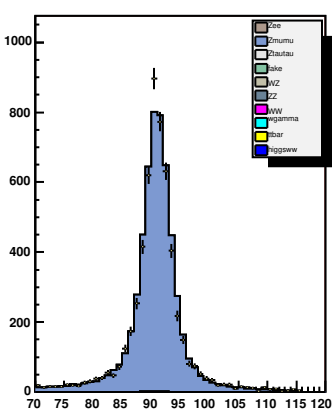
SBHs-CMUP_CMU Mass



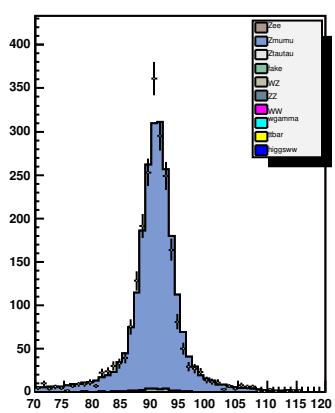
SBHs-CMUP_CMP Mass



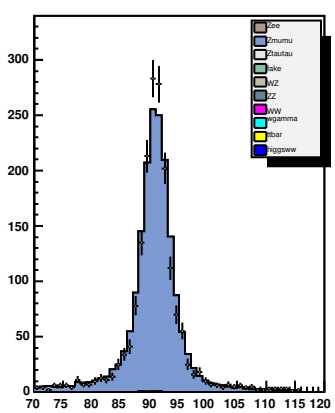
SBHs-CMUP_CMX Mass



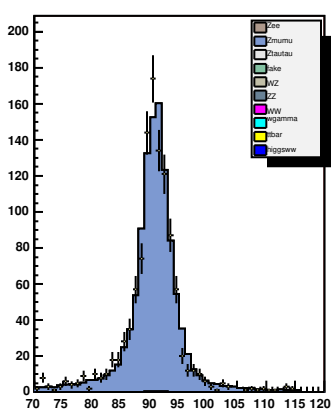
SBHs-CMUP_CMIO Mass



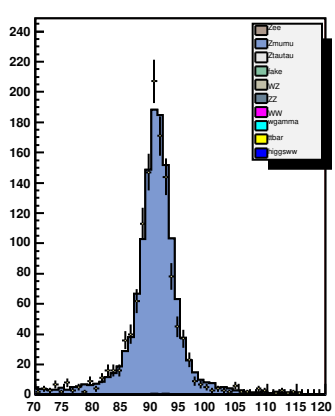
SBHs-CMX_CMX Mass



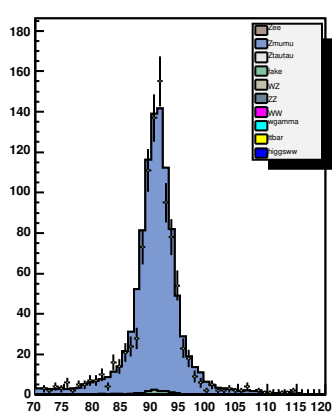
SBHs-CMX_CMU Mass



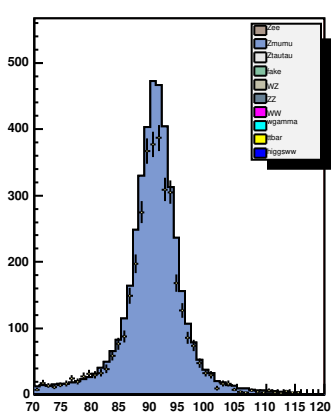
SBHs-CMX_CMP Mass



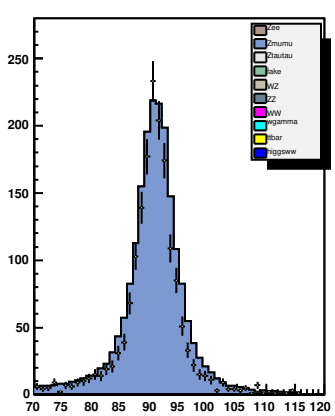
SBHs-CMX_CMIO Mass



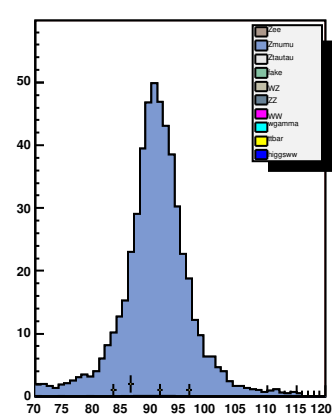
SBHs-CMUP_BMU Mass



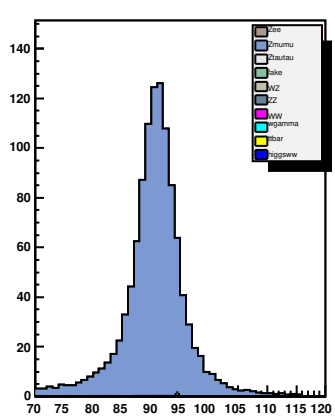
SBHs-CMX_BMU Mass



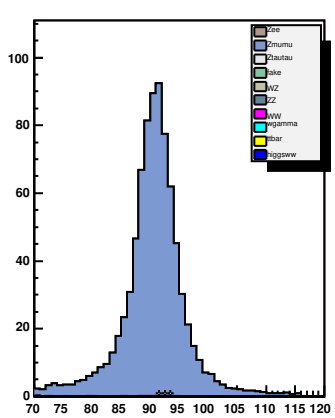
SBHs-BMU_BMU Mass



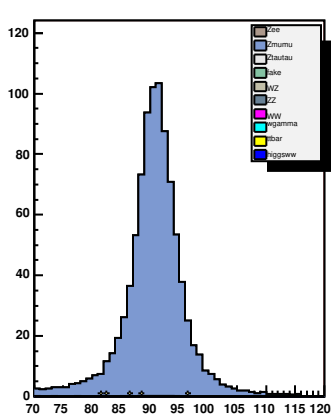
SBHs-CMP_BMU Mass



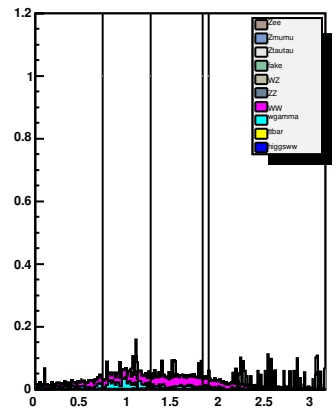
SBHs-CMIO_BMU Mass



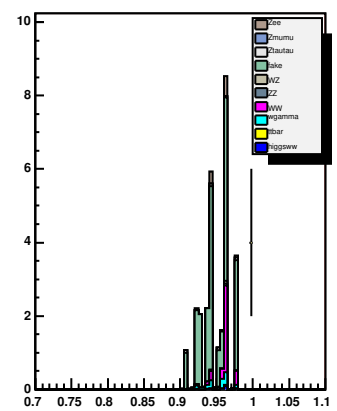
SBHs-CMU_BMU Mass



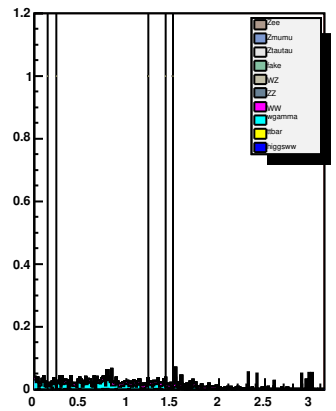
SBHs-TCE_TCE dilDphilike



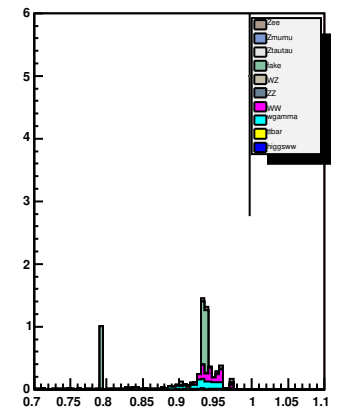
SBHs-TCE_TCE rawweight



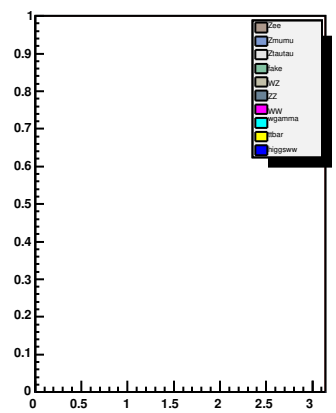
SBHs-TCE_PHX dilDphilike



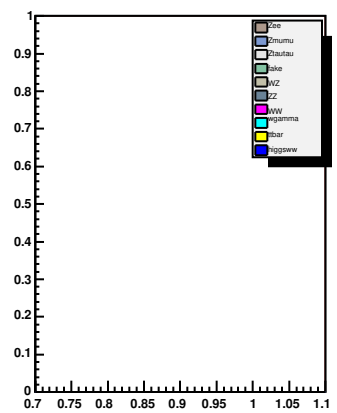
SBHs-TCE_PHX rawweight



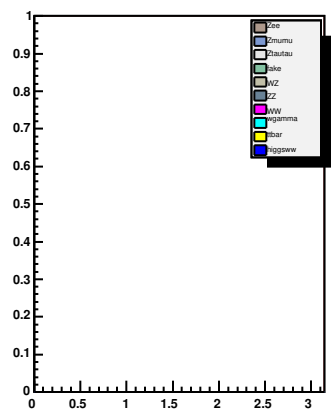
SBHs-TCE_PEM dilDphilike



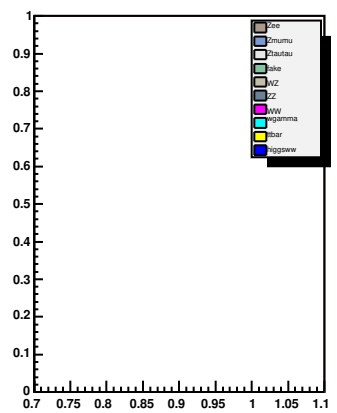
SBHs-TCE_PEM rawweight



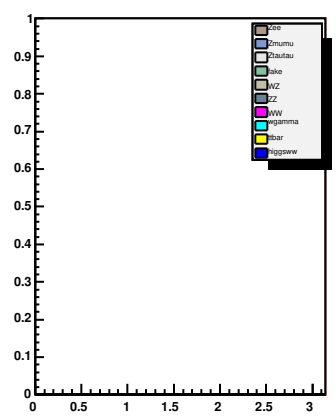
SBHs-PHX_PHX dilDphilike



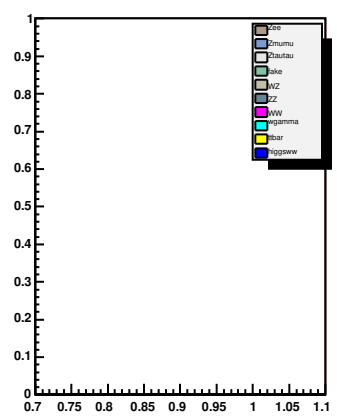
SBHs-PHX_PHX rawweight



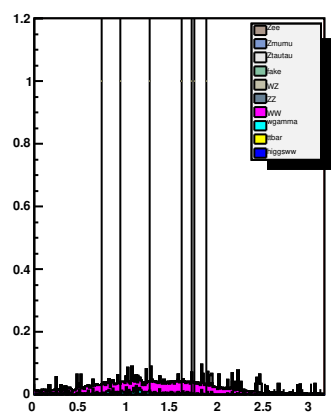
SBHs-PHX_PEM dilDphilike



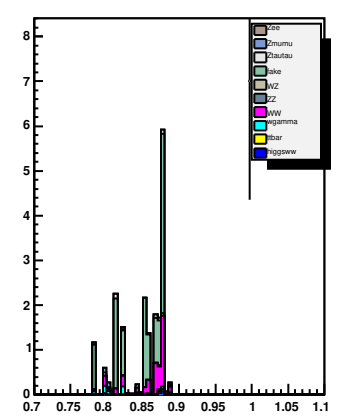
SBHs-PHX_PEM rawweight



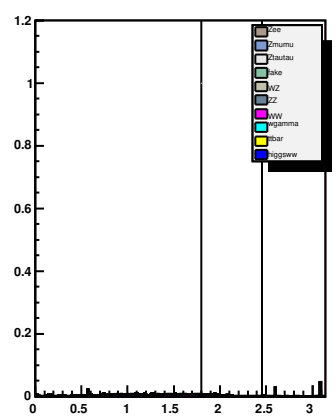
SBHs-TCE_CMUP dilDphilike



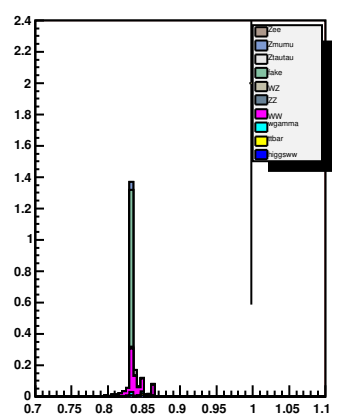
SBHs-TCE_CMUP rawweight



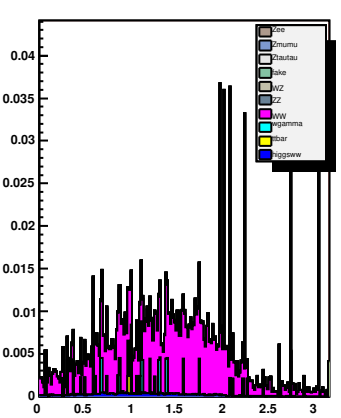
SBHs-TCE_CMU dilDphilike



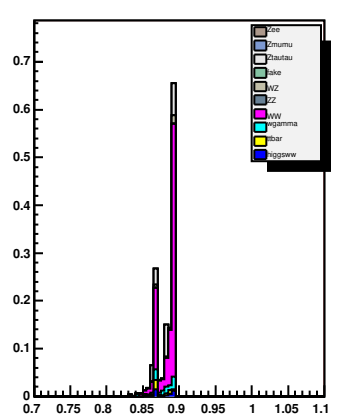
SBHs-TCE_CMU rawweight



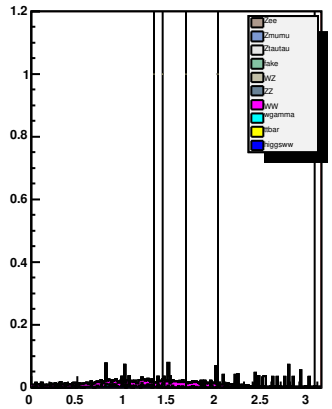
SBHs-TCE_CMP dilDphilike



SBHs-TCE_CMP rawweight



SBHs-TCE_CMX dilDphilike



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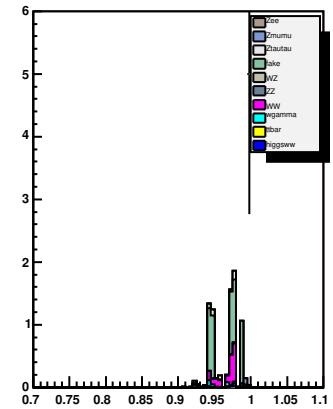

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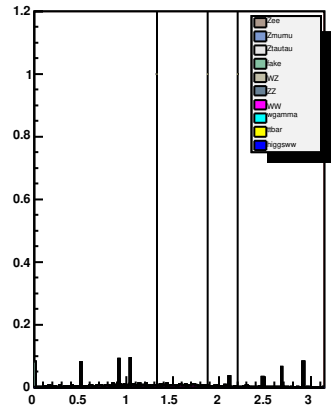

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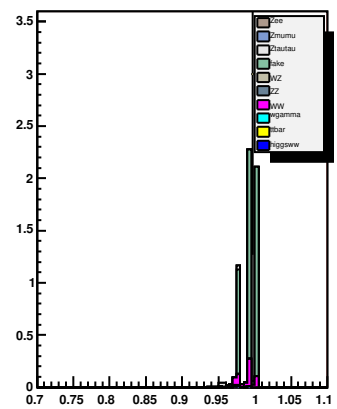

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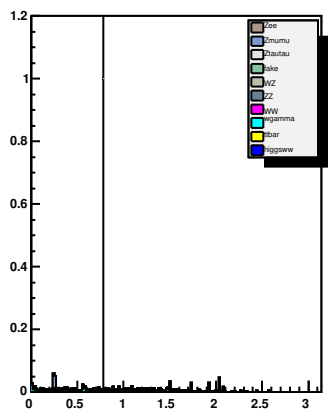

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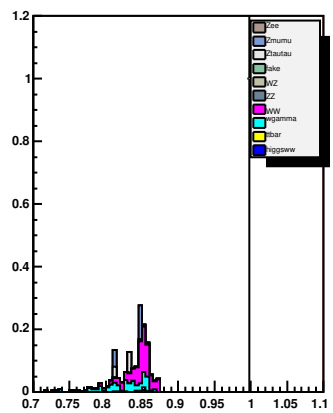

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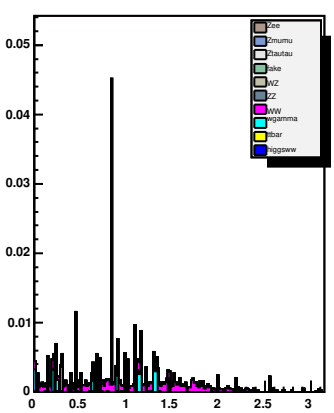

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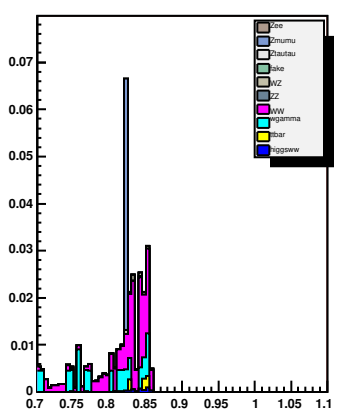

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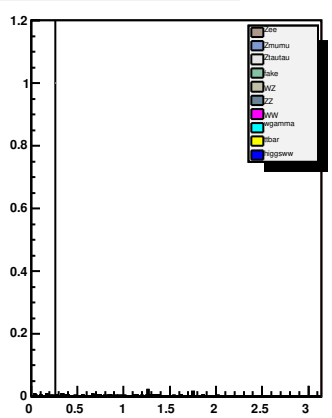

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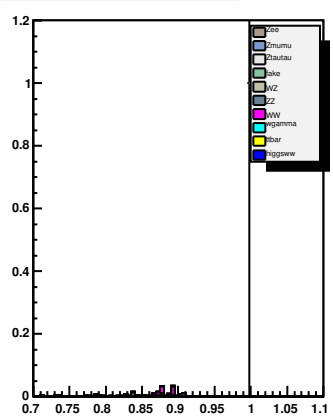

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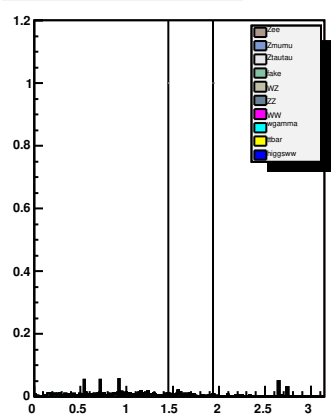

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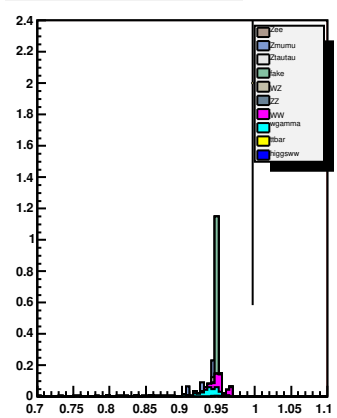

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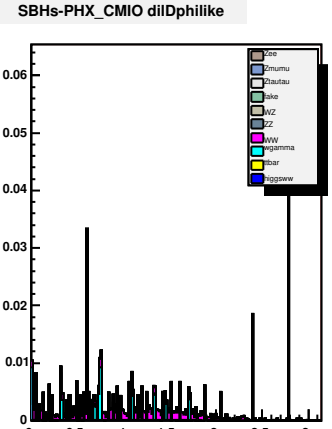

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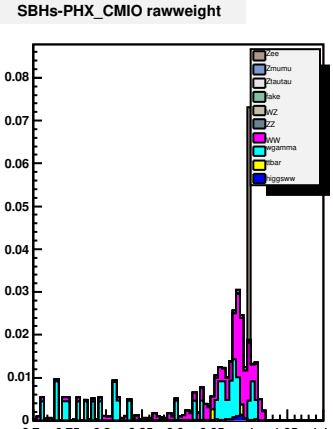

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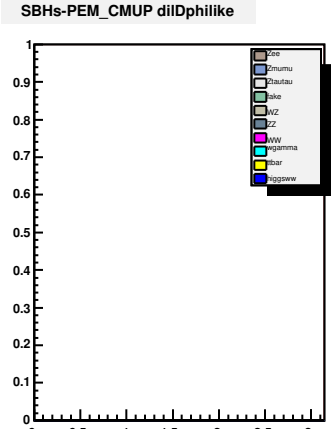

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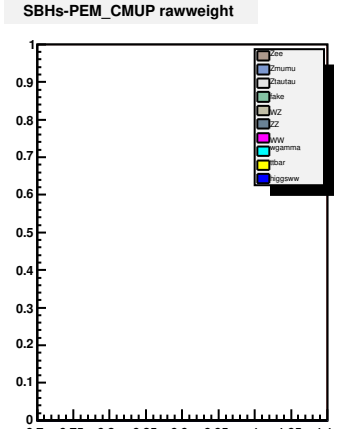

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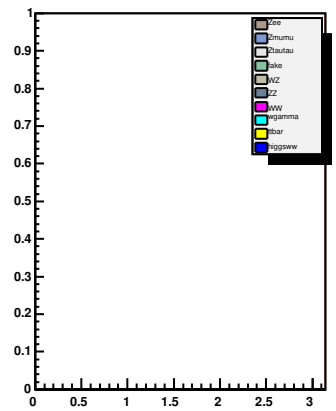

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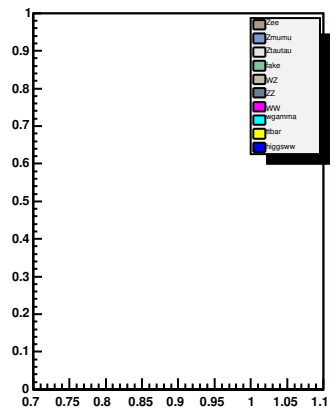

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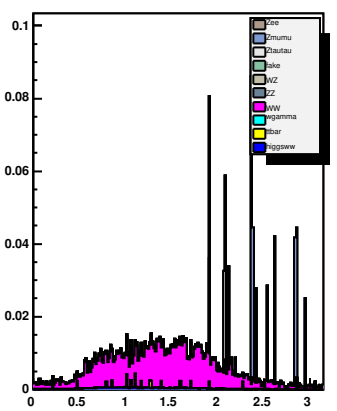

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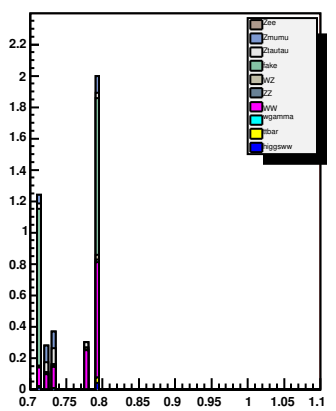

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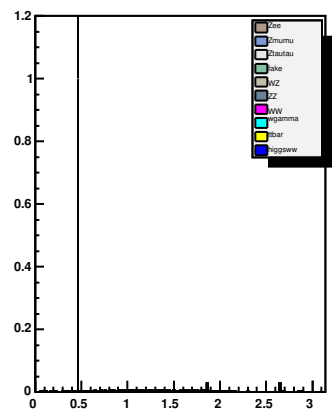

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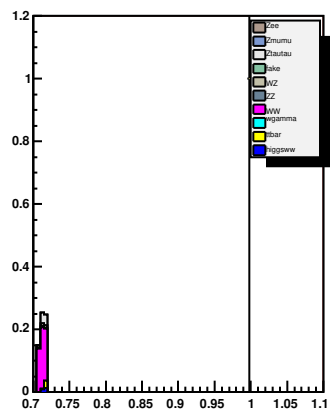

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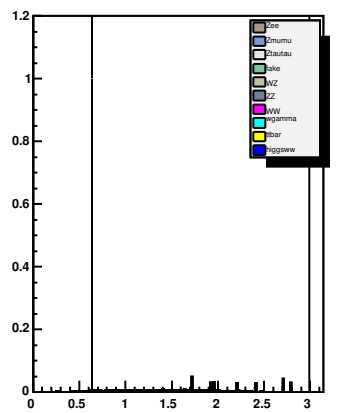

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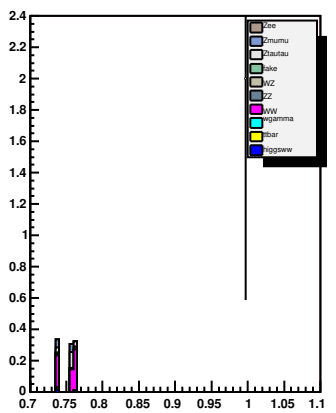

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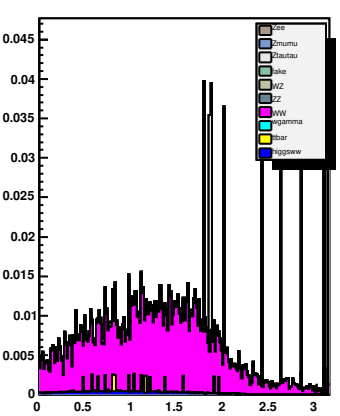

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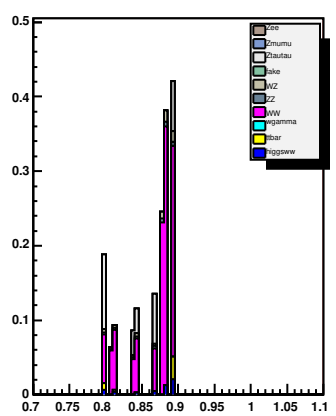

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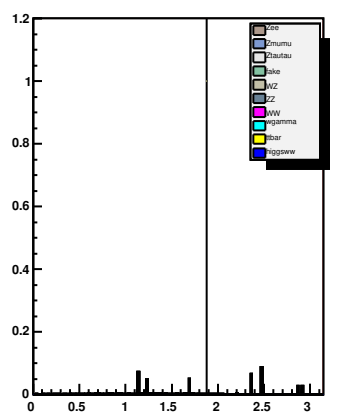

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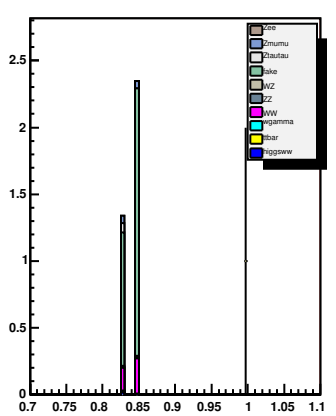

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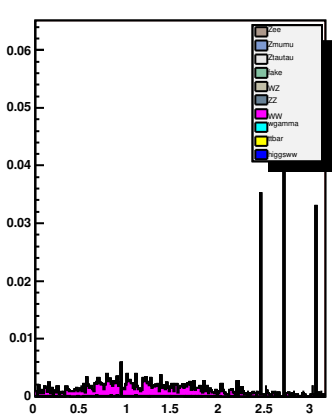

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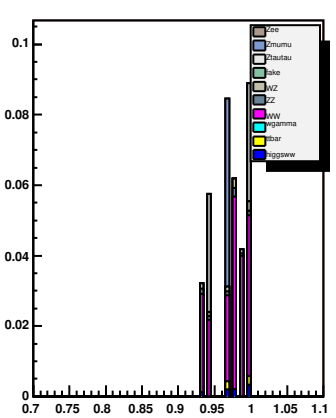

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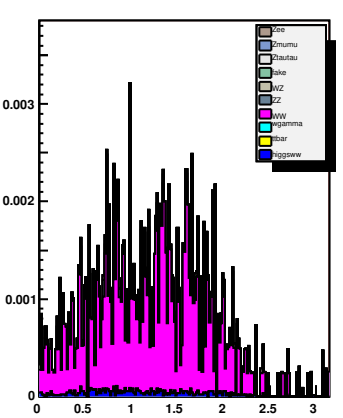

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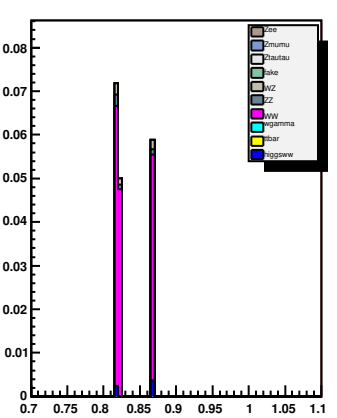

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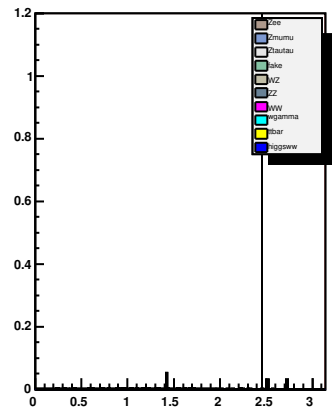

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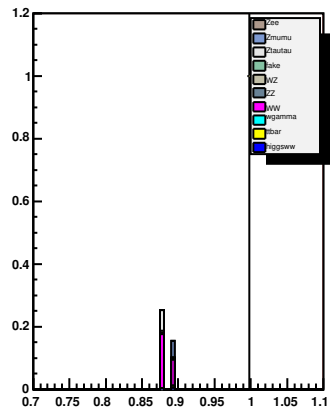

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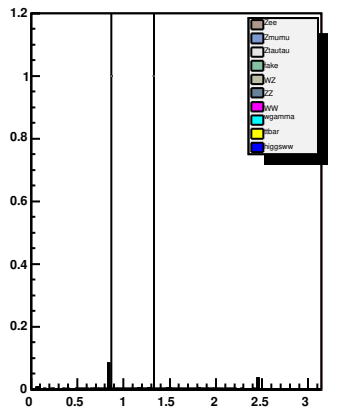

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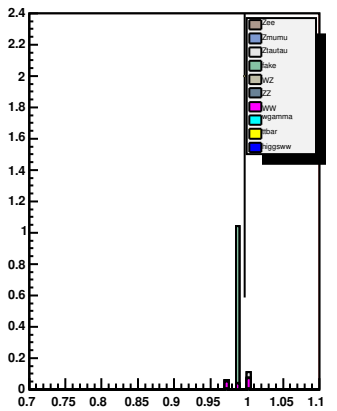

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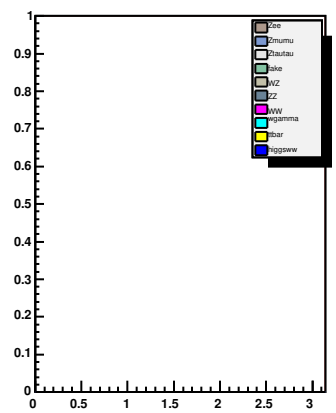

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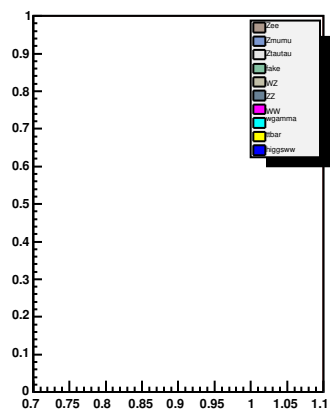

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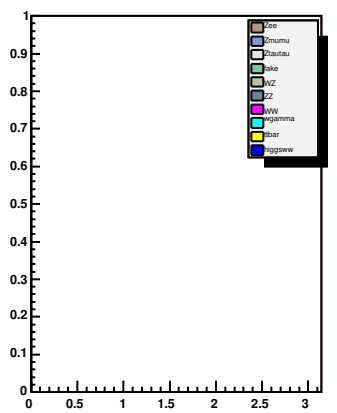

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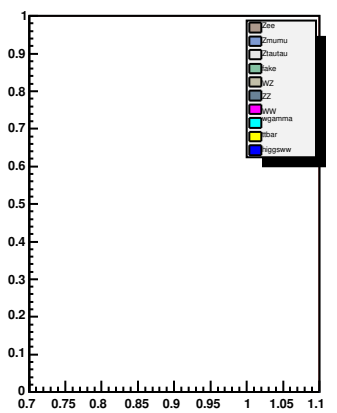

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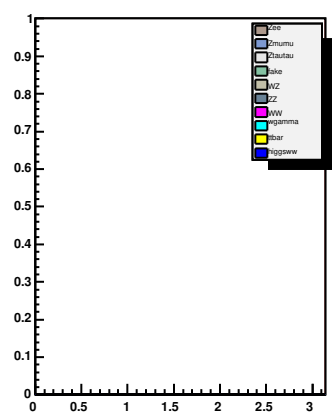

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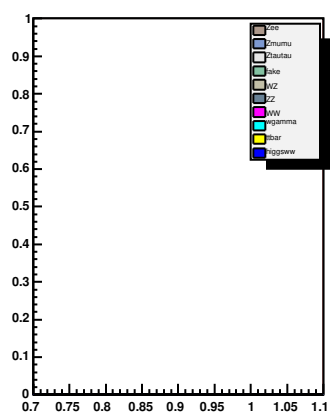

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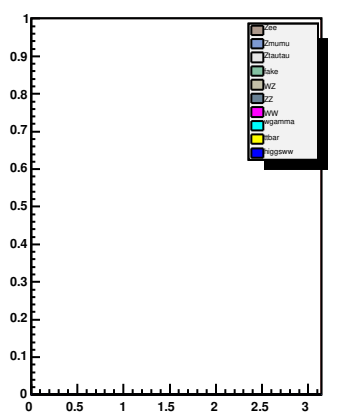

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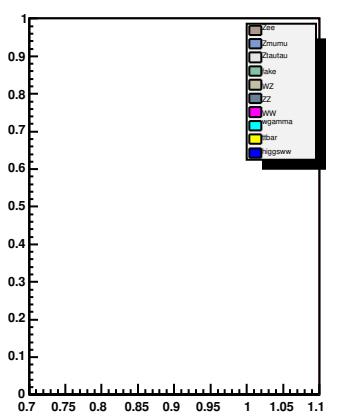

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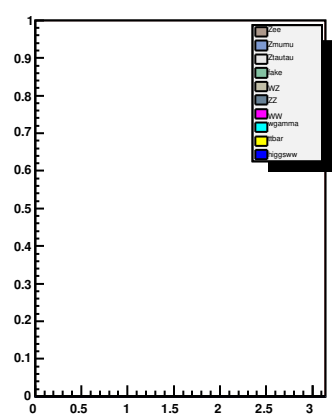

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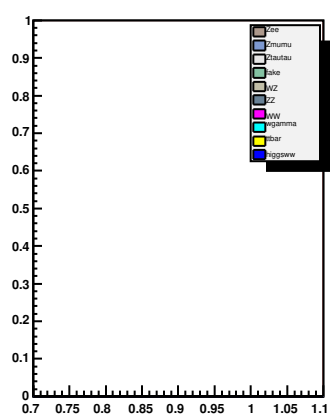

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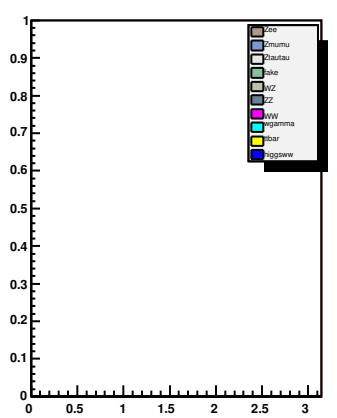

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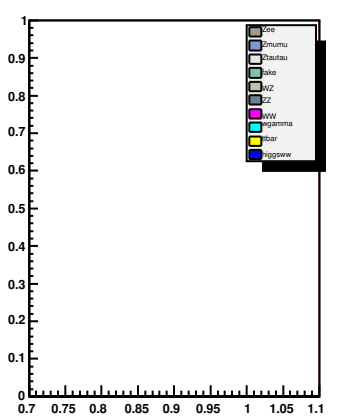

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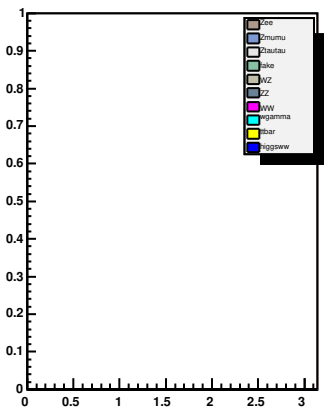

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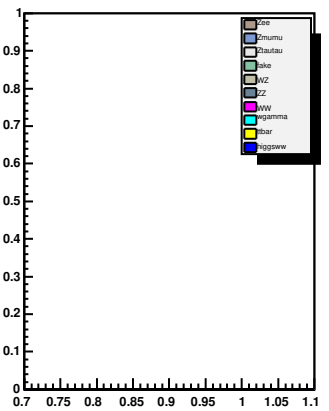

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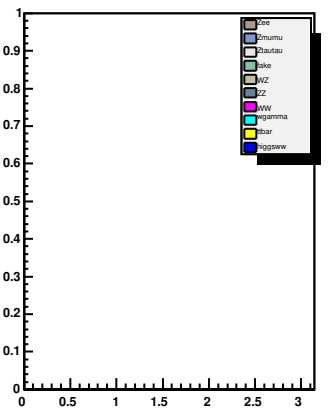

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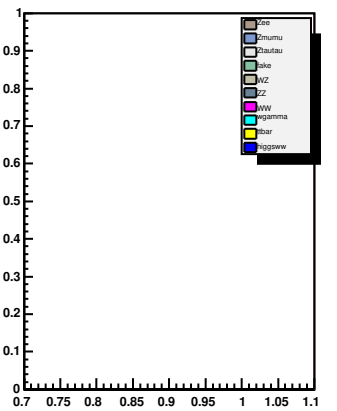

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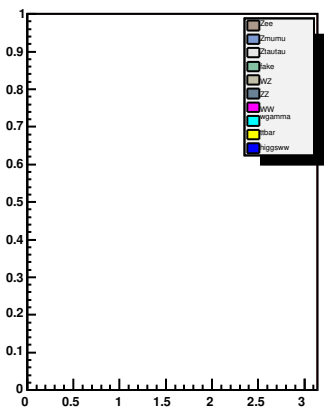

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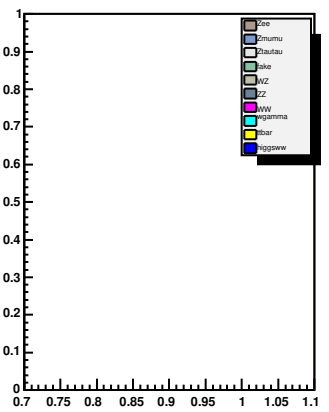
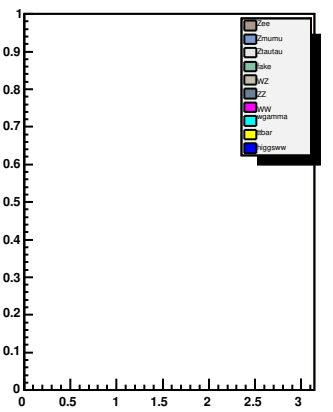


SBHs-BMU_CMIO dilDphilike



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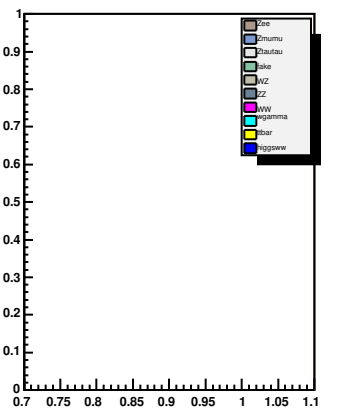

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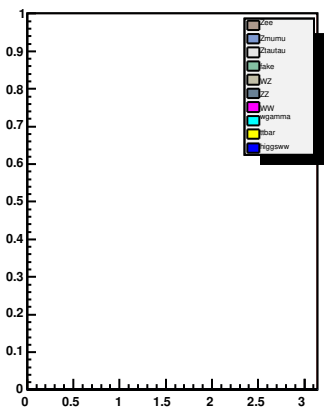

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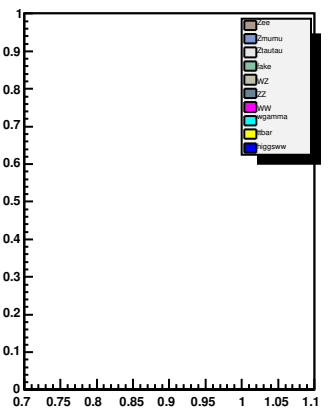

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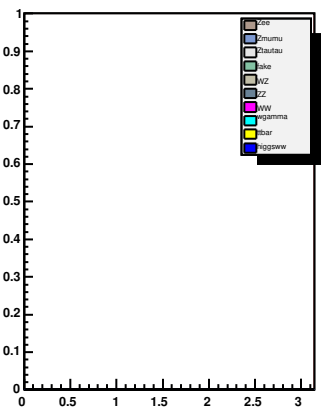

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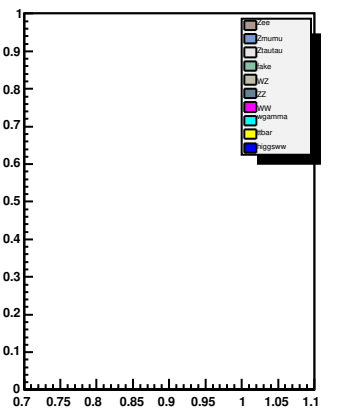

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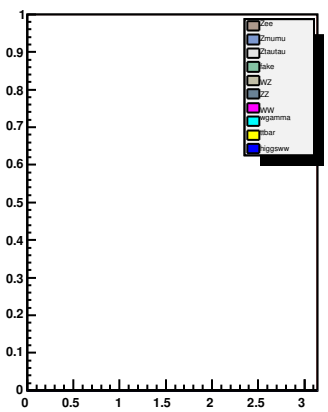

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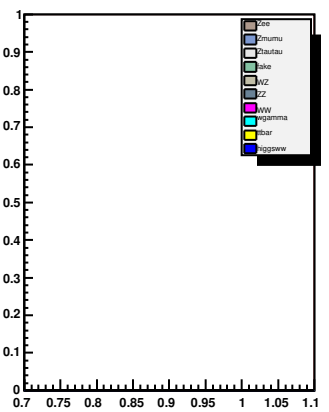

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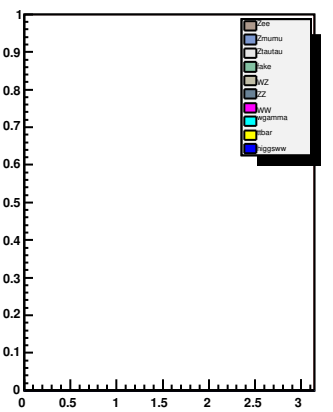

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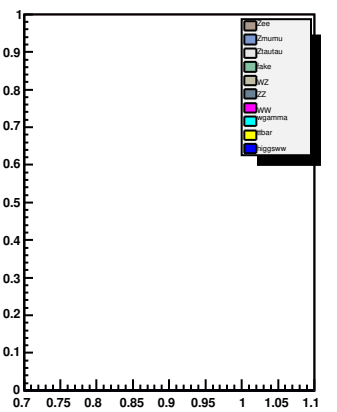

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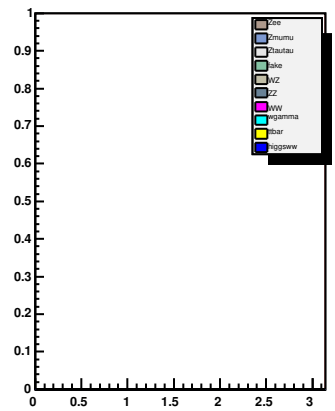

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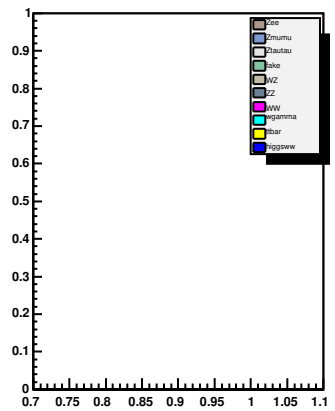
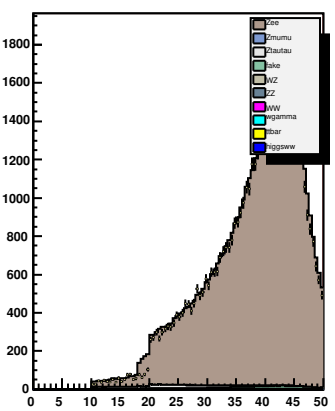


SBHs-TCE leptonET



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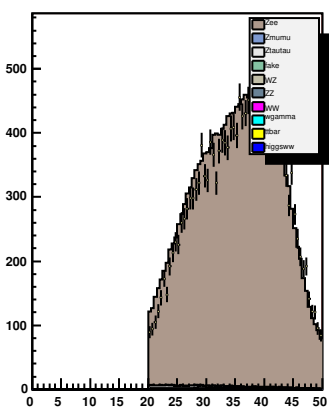

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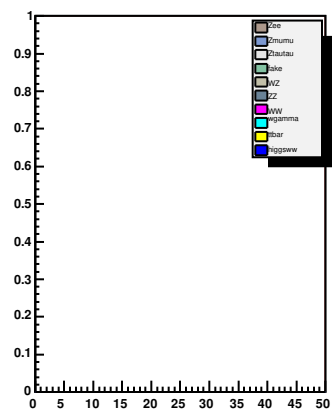

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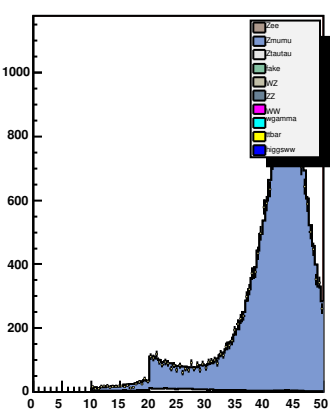

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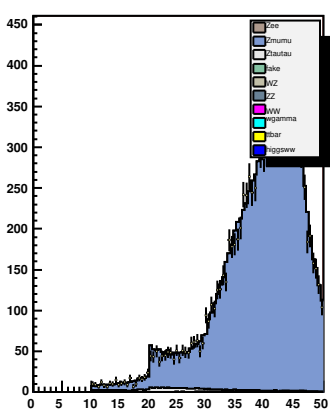

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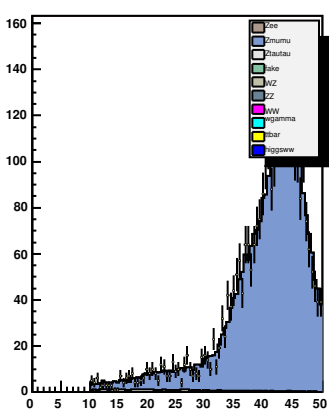

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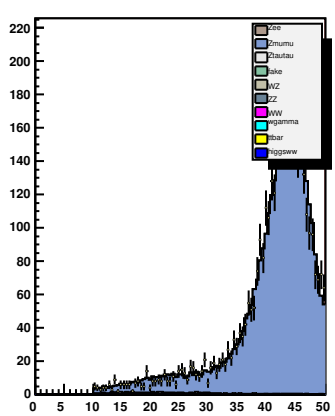

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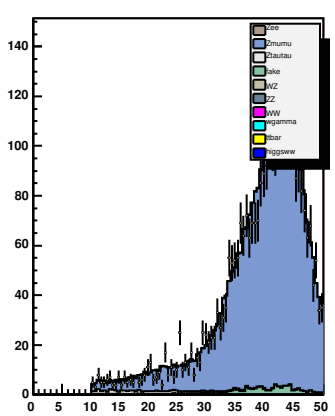

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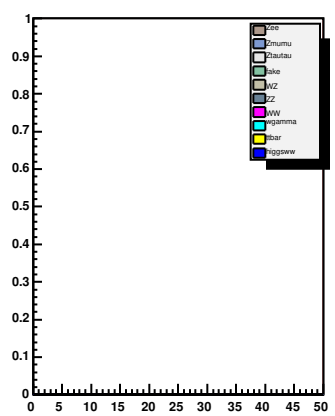
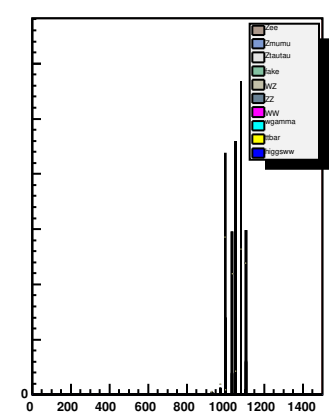
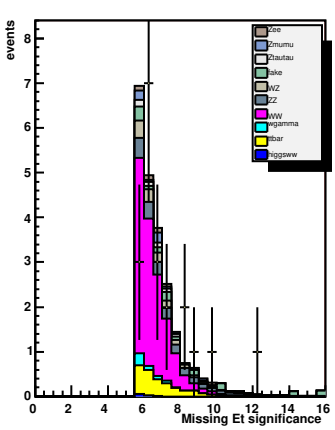


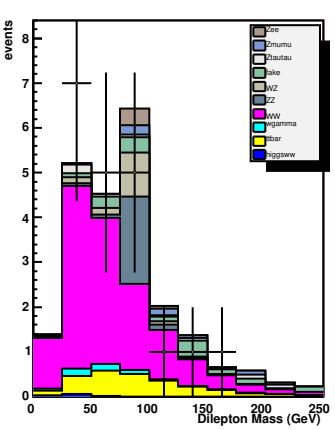
SBHs-luminosity



SBHs-WW missing Et significance



SBHs-WW dilepton mass



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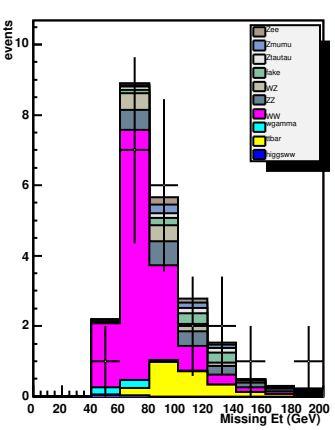
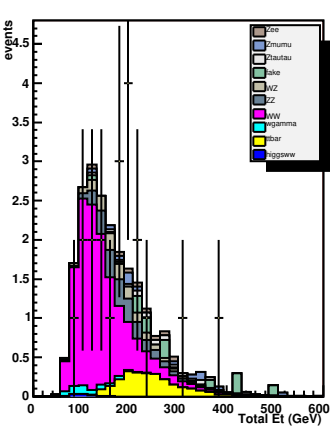
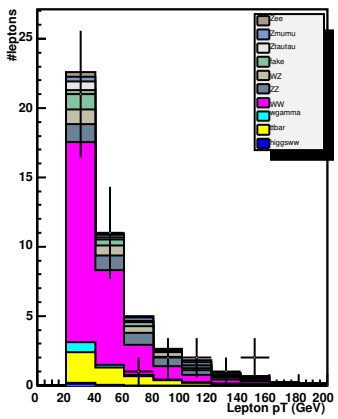


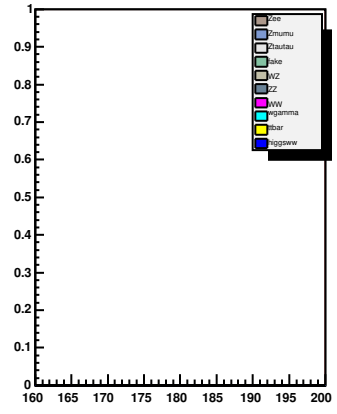
SBHs-WW total Et



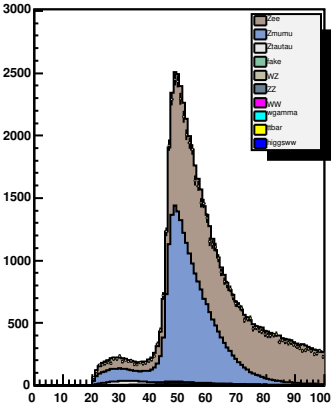
SBHs-WW lepton pT



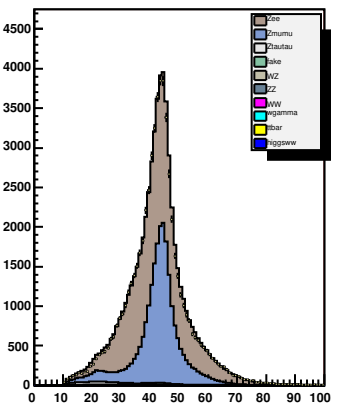
SBHs-mattest



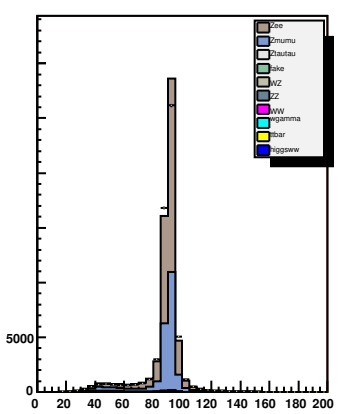
SBHs-NN Variable LepAEn



SBHs-NN Variable LepBEn



SBHs-NN Variable dilmass



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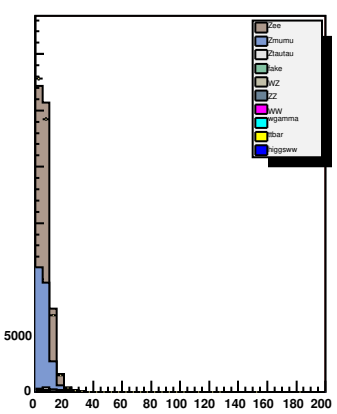
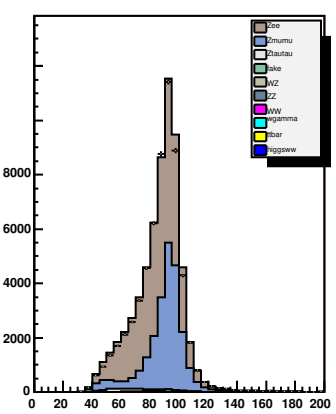
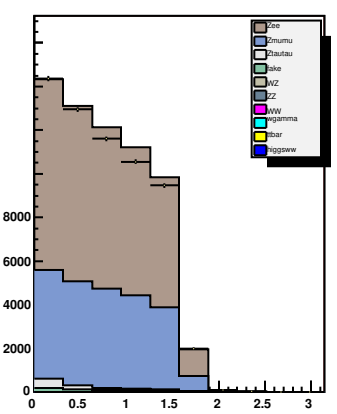


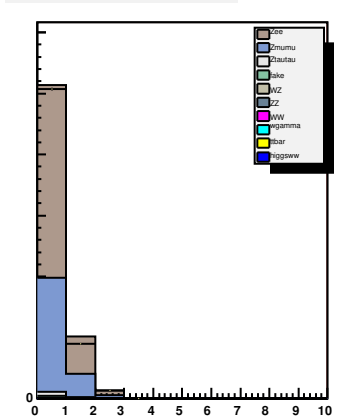
SBHs-NN Variable addEt



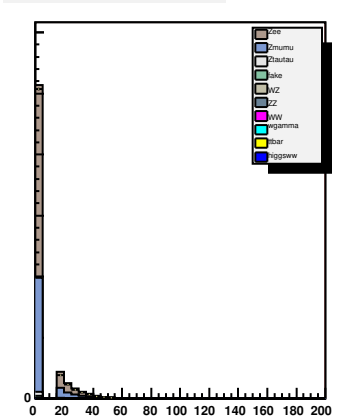
SBHs-NN Variable dPhiMetLJ



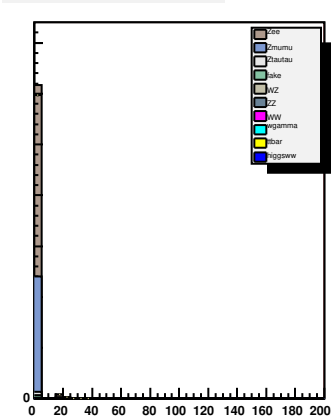
SBHs-NN Variable tightjets



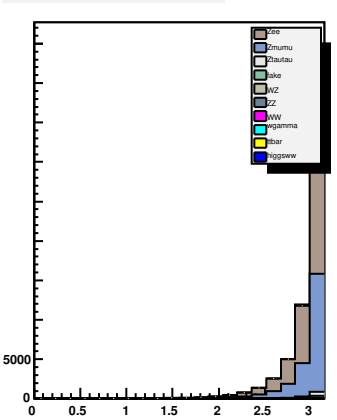
SBHs-NN Variable jet1_Et



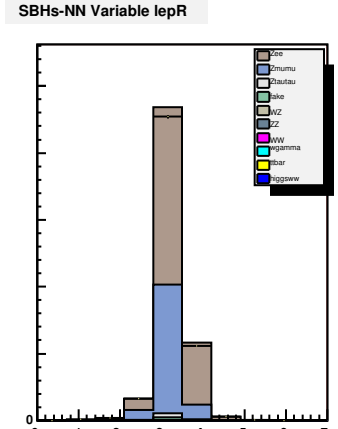
SBHs-NN Variable jet2_Et



SBHs-NN Variable dildphi



SBHs-NN Variable lepR



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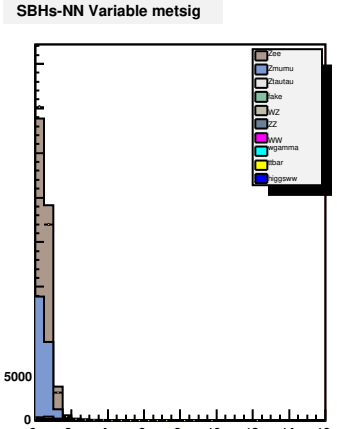

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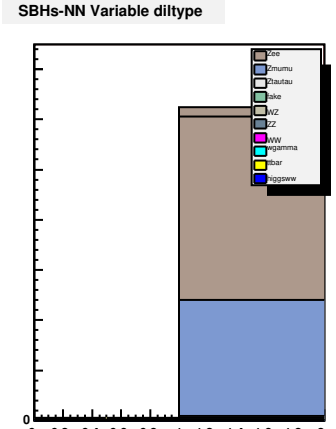
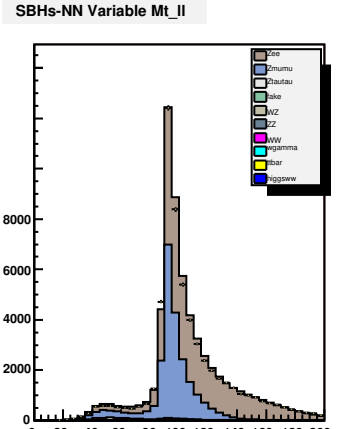


SBHs-NN Variable Mt_ll



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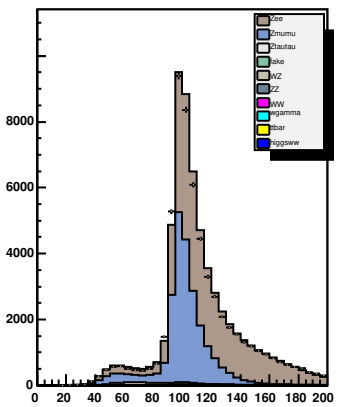

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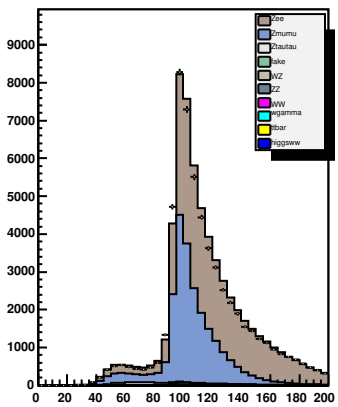
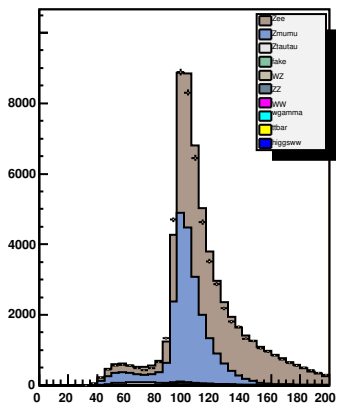
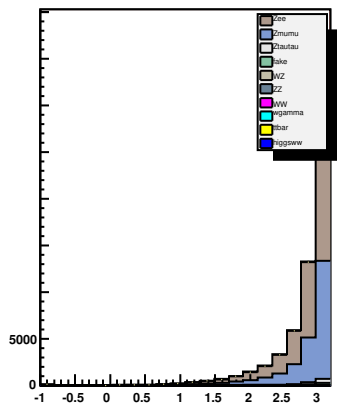


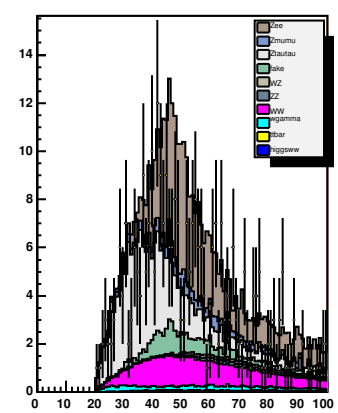
SBHs-NN Variable lsr



SBHs-NN Variable DilPhillCorr



SBHs-NN Variable Metsig cut LepAEn



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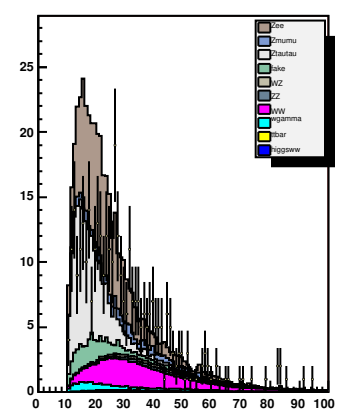

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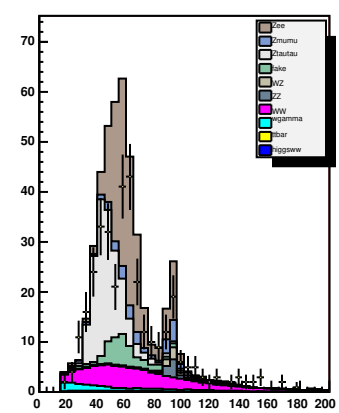

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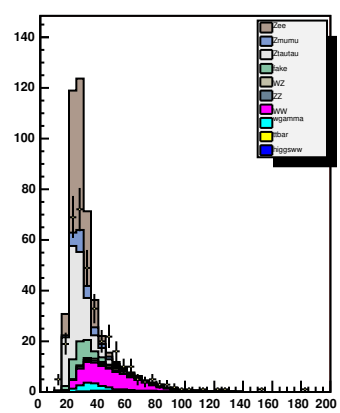
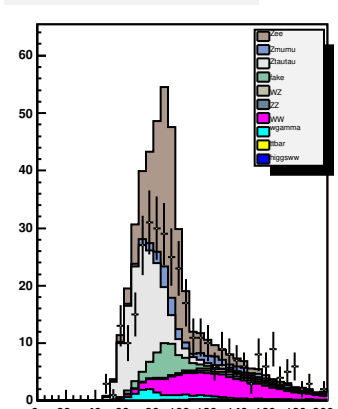
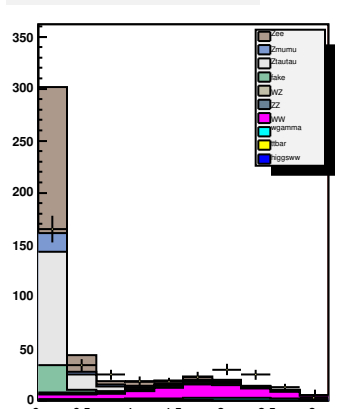


SBHs-NN Variable Metsig cut addEt



SBHs-NN Variable Metsig cut dPhiMetLJ



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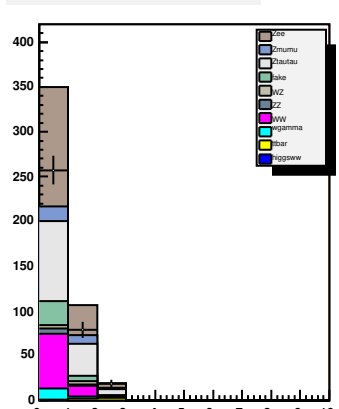

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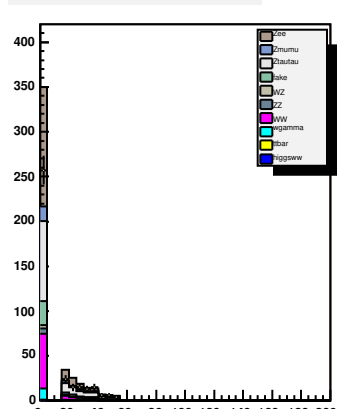

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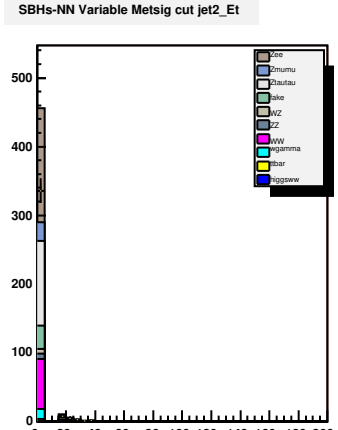
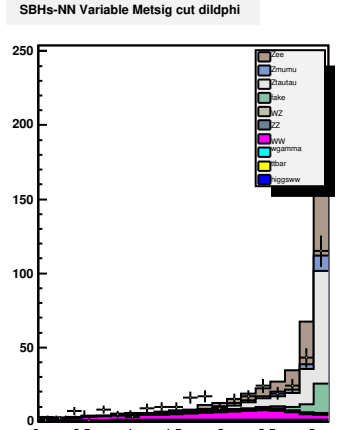


SBHs-NN Variable Metsig cut dildphi



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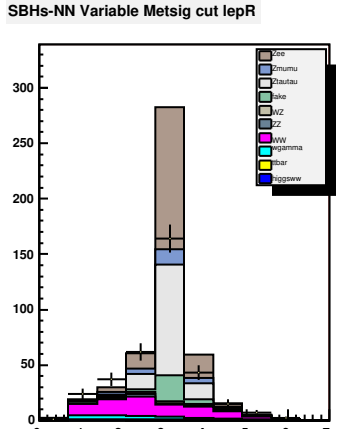

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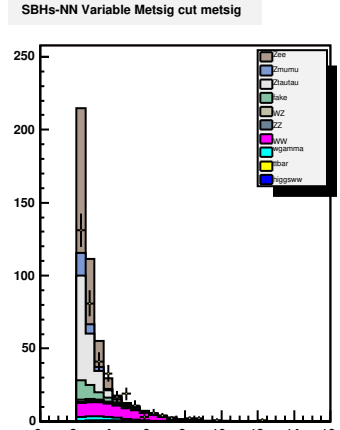

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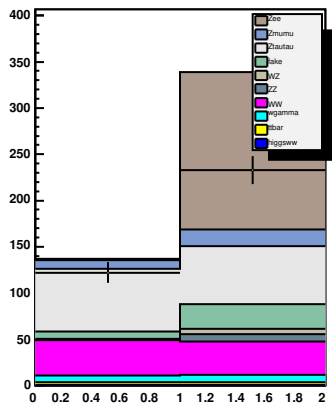

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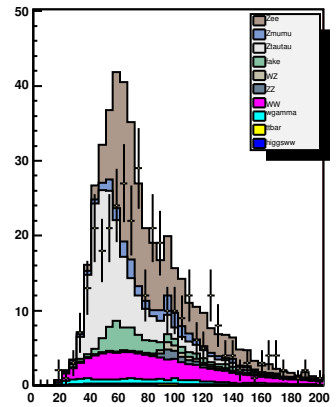

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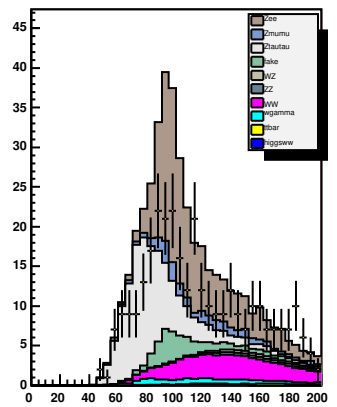

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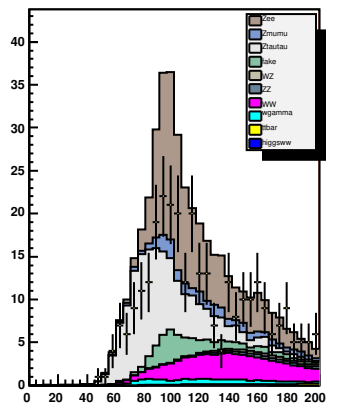

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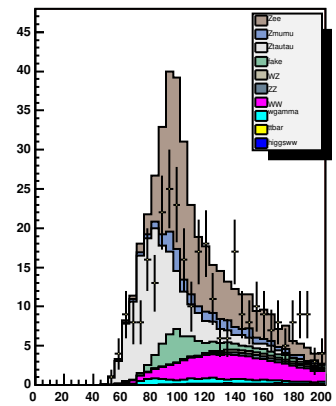

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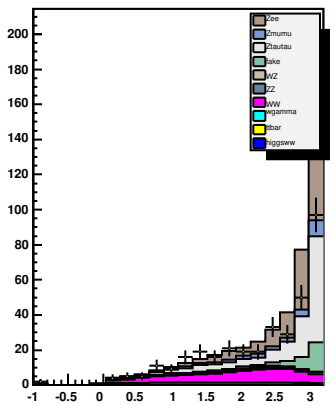
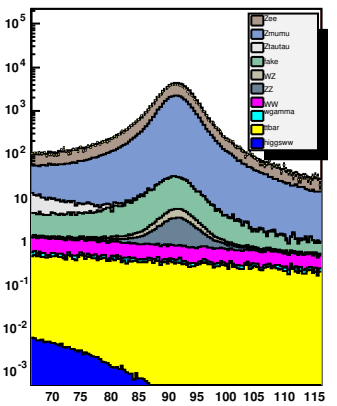
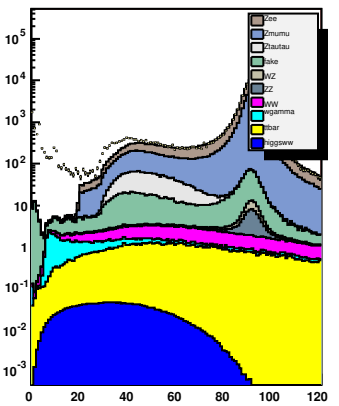


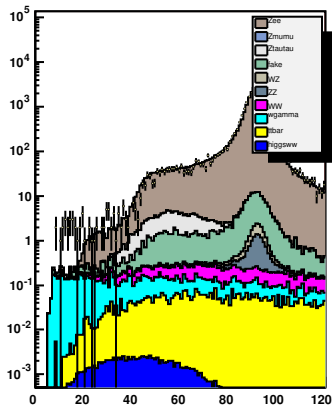
SBHs-dilepton masses for Z peak



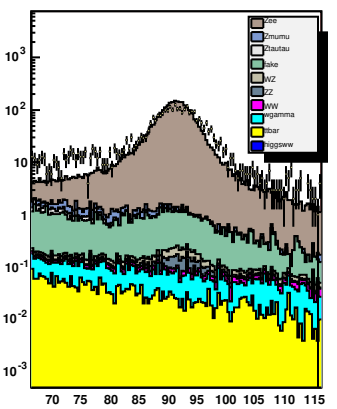
SBHs-dilepton masses for Z peak



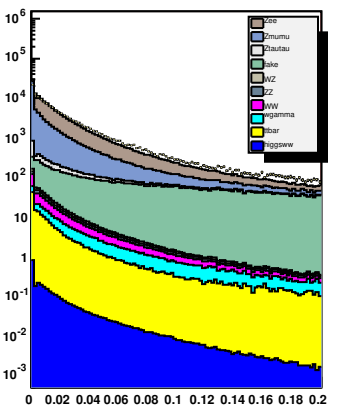
SBHs-dilepton masses for TCE-PHX Z peak



SBHs-same sign dilepton masses



SBHs-before lepton calorimeter isolation cut



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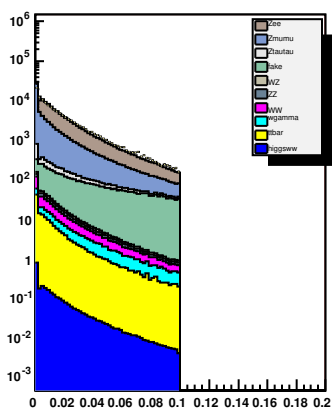

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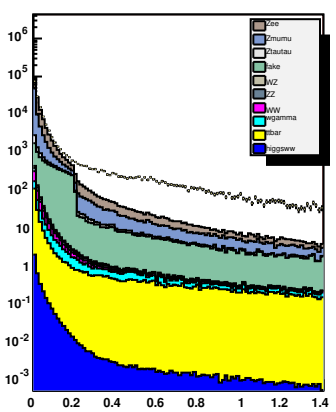

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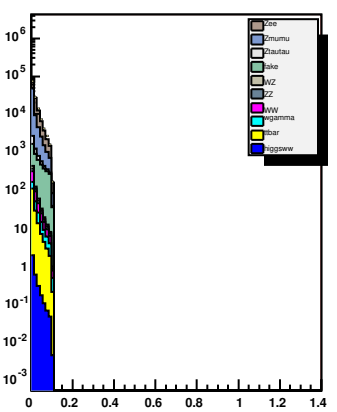
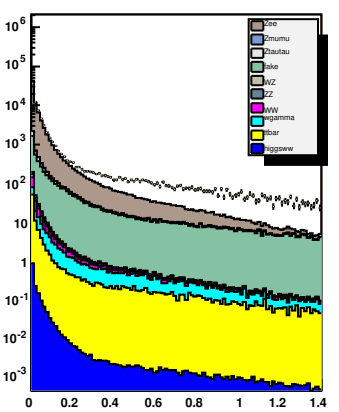
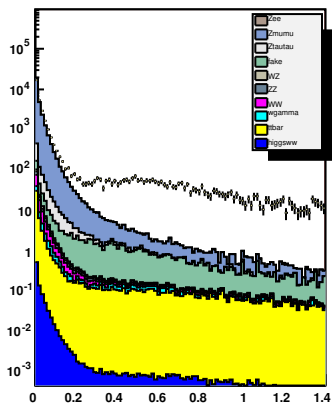


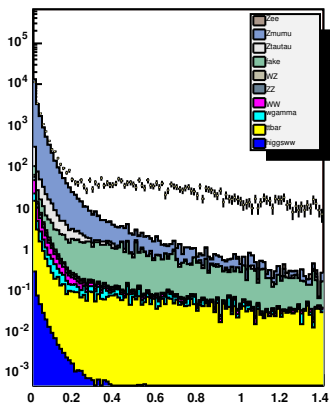
SBHs-TCE Trk Isolation



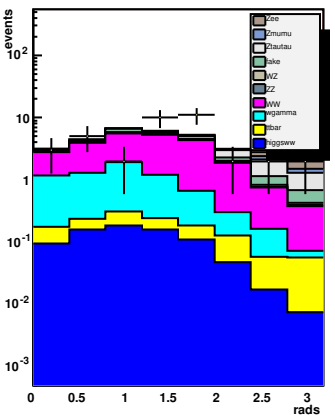
SBHs-CMUP Trk Isolation



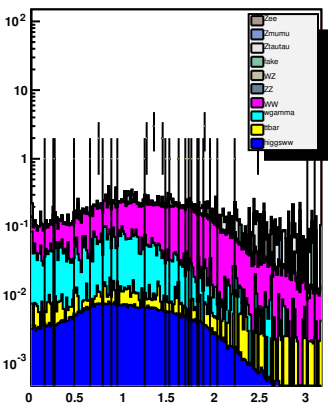
SBHs-CMX Trk Isolation



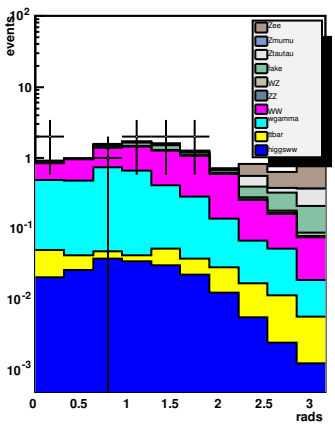
SBHs-lepton angular separation

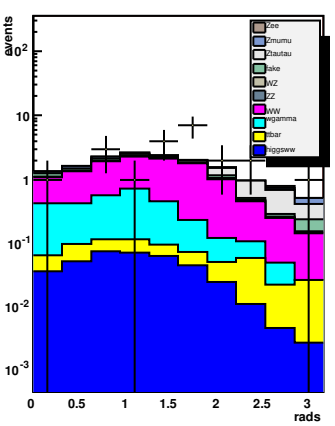


SBHs-dildphi in ALLfor like

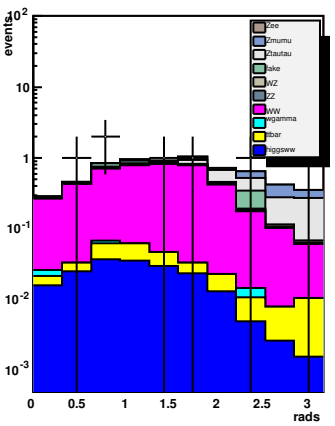


SBHs-lepton angular separation of electrons





SBHs-lepton angular separation of muons



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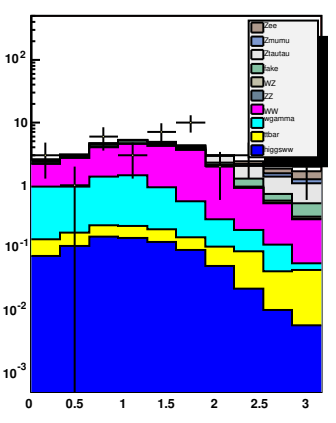

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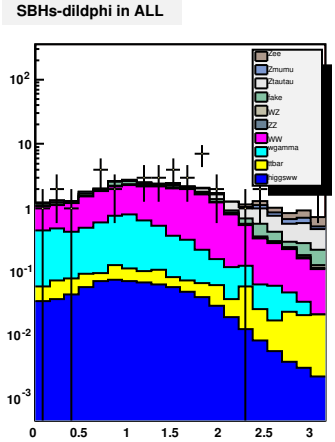
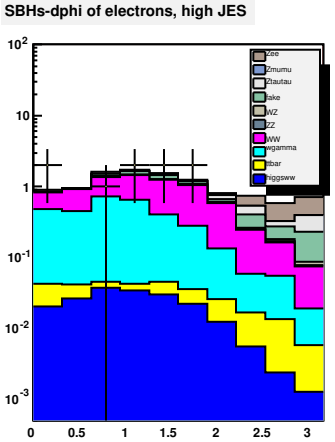
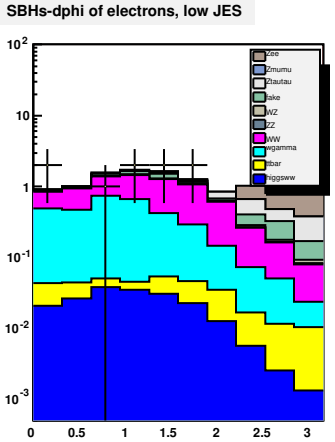


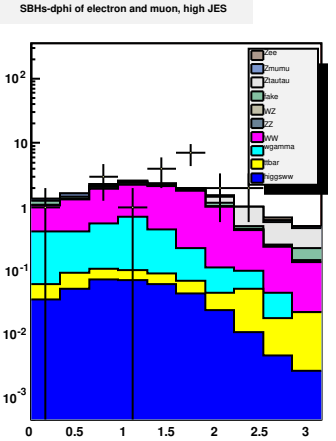
SBHs-dphi of electrons, high JES



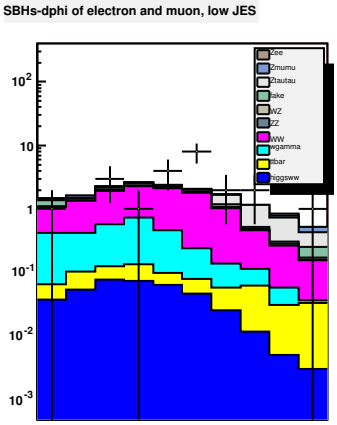
SBHs-dphi of electrons, low JES



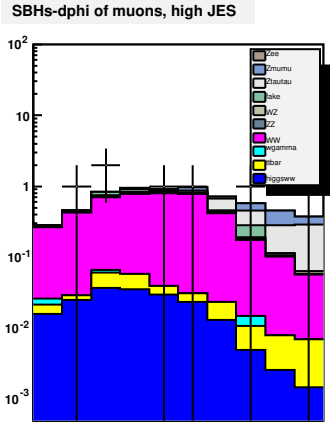
SBHs-dphi of electron and muon, high JES



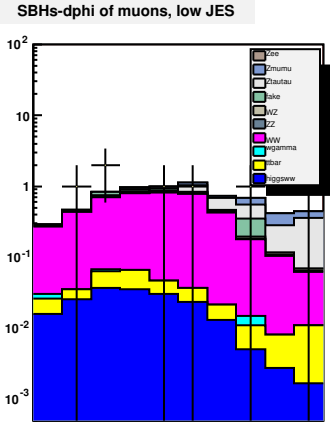
SBHs-dphi of electron and muon, low JES



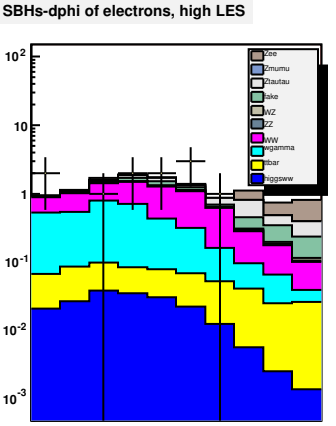
SBHs-dphi of muons, high JES



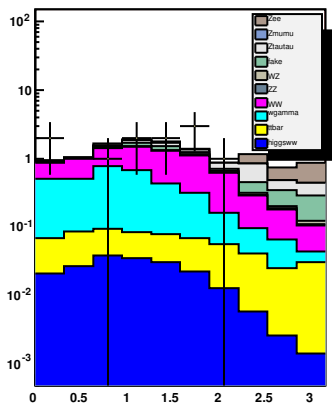
SBHs-dphi of muons, low JES



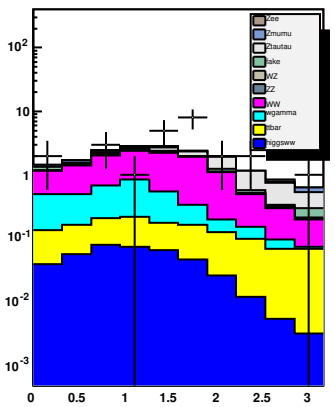
SBHs-dphi of electrons, high LES



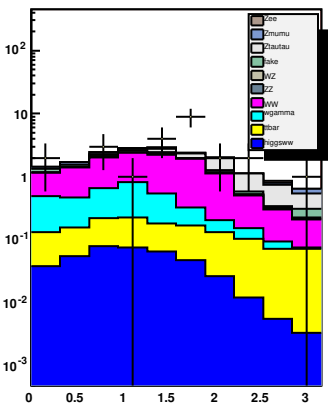
SBHs-dphi of electrons, low LES



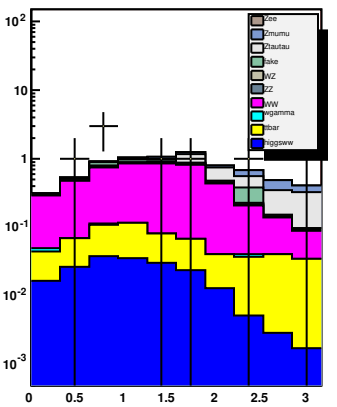
SBHs-dphi of electron and muon, high LES



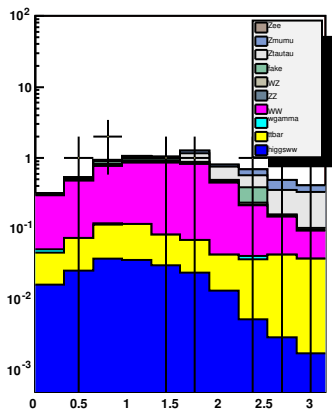
SBHs-dphi of electron and muon, low LES



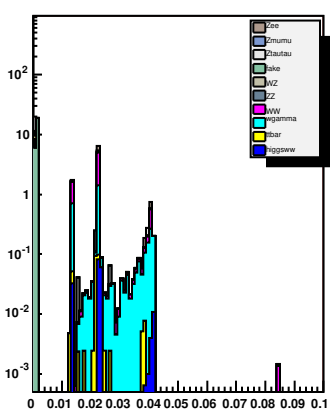
SBHs-dphi of muons, high LES



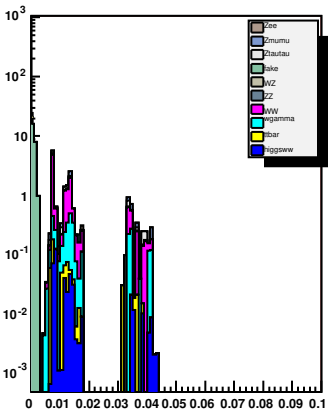
SBHs-dphi of muons, low LES



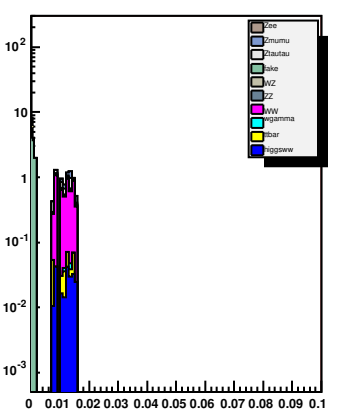
SBHs-Relative Weights Error for electrons



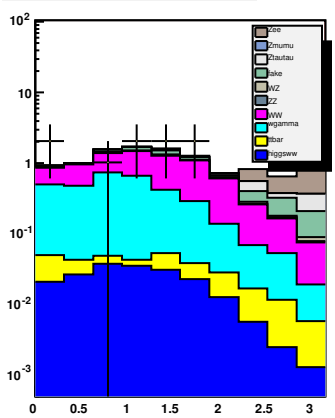
SBHs-Relative Weights Error for electron and muon



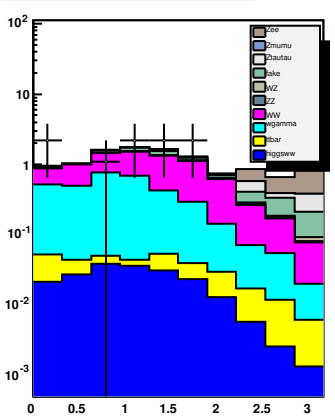
SBHs-Relative Weights Error for muons



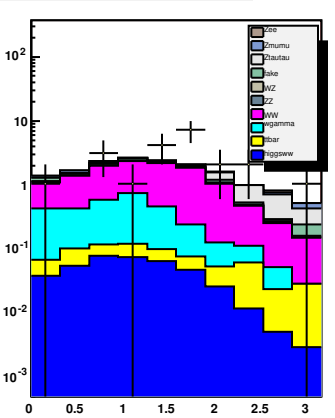
SBHs-dphi of electrons, high ISR



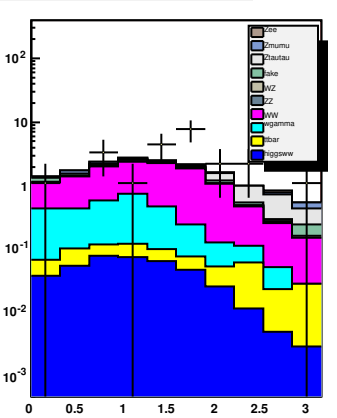
SBHs-dphi of electrons, low ISR



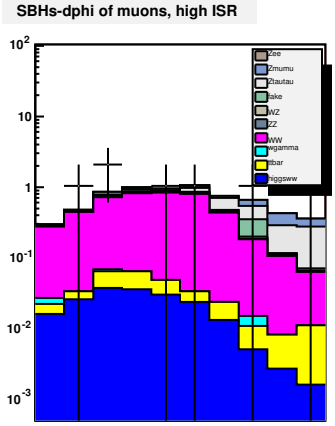
SBHs-dphi of electron and muon, high ISR



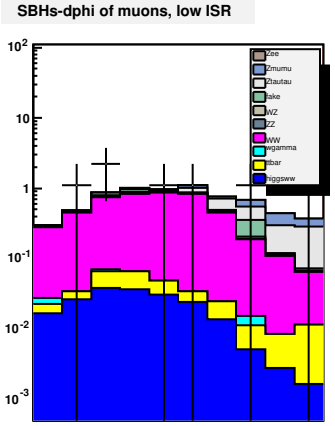
SBHs-dphi of electron and muon, low ISR



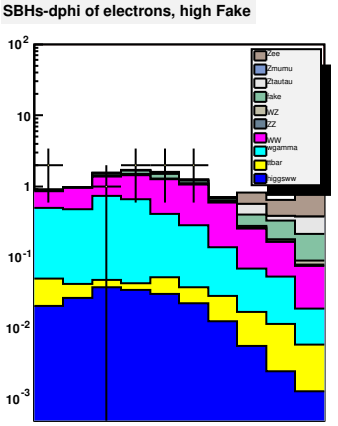
SBHs-dphi of muons, high ISR



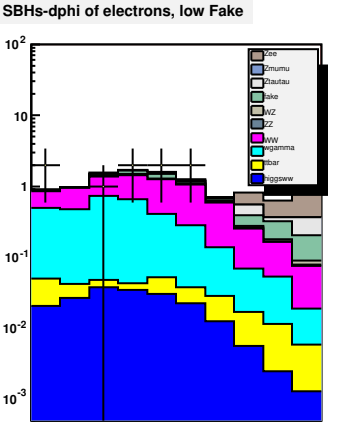
SBHs-dphi of muons, low ISR



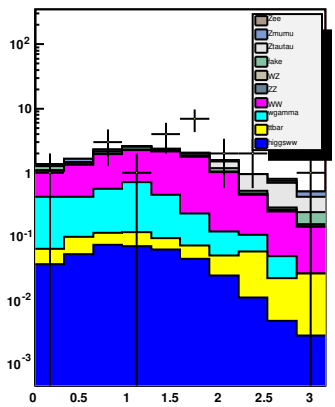
SBHs-dphi of electrons, high Fake



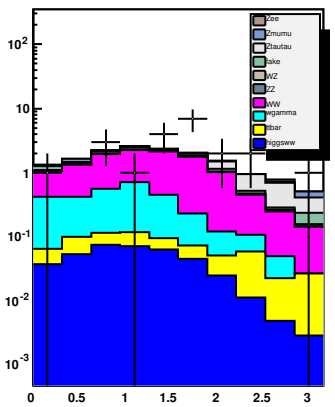
SBHs-dphi of electrons, low Fake



SBHs-dphi of electron and muon, high Fake



SBHs-dphi of electron and muon, low Fake



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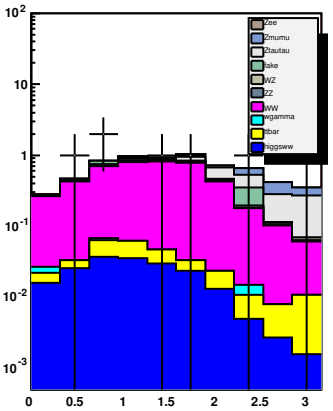
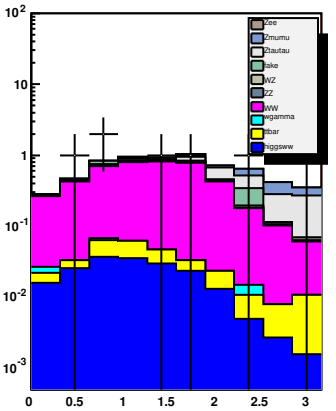
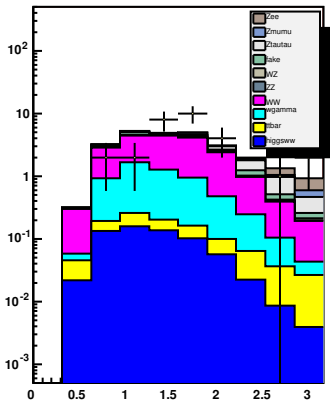


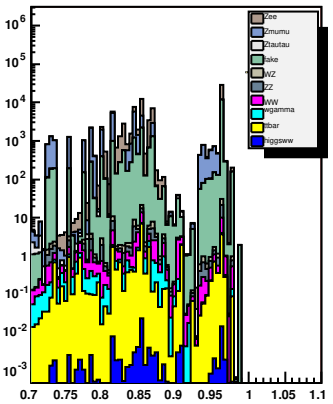
SBHs-dphi of muons, low Fake



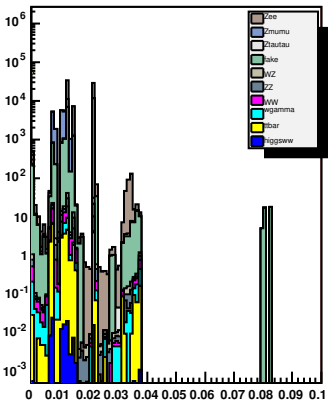
SBHs-dilepton dR



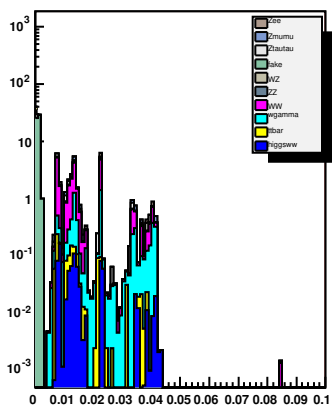
SBHs-Weight forALL



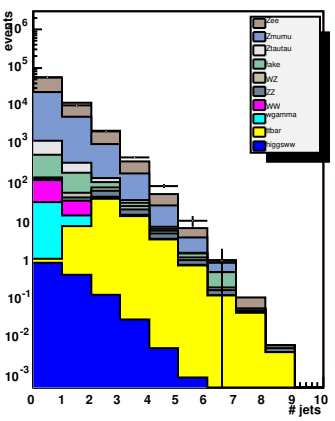
SBHs-Weight Error for ALL



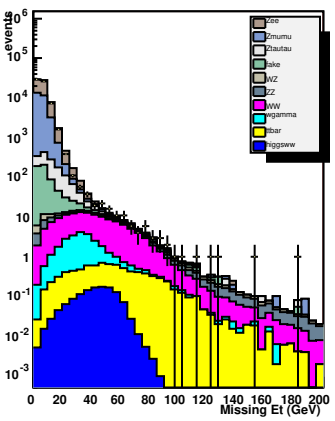
SBHs-Relative Weight Error for ALL



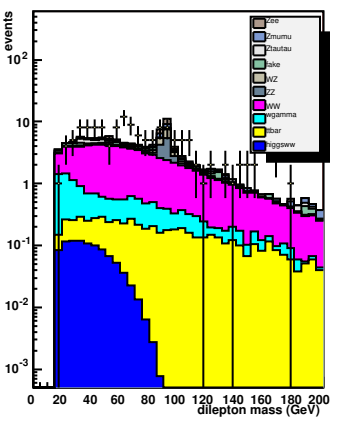
SBHs-Number of Jets in before Jet cut



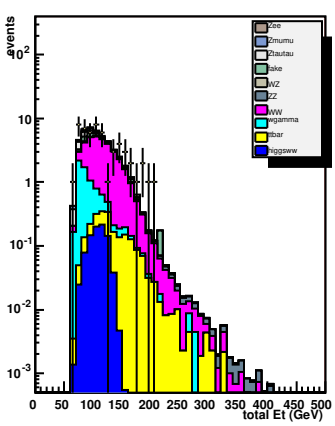
SBHs-Missing Et before missing et cut



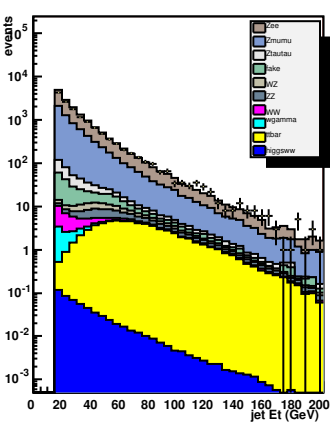
SBHs-dilepton mass before dilepton mass cut



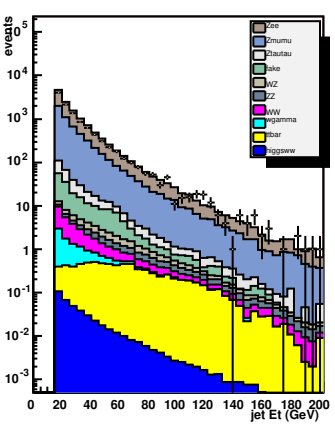
SBHs-total Et in before total et cut



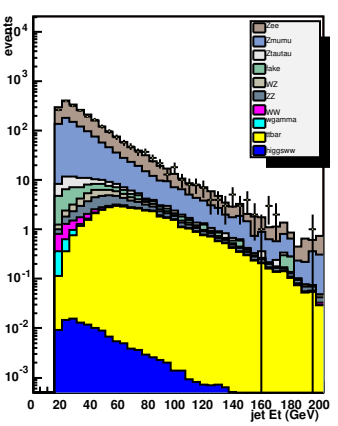
SBHs-Lead jet Et for all jets before Jet cut



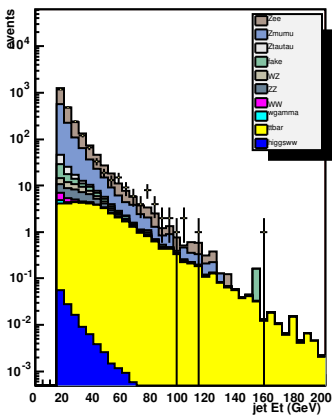
SBHs-Lead jet Et for one jet before Jet cut



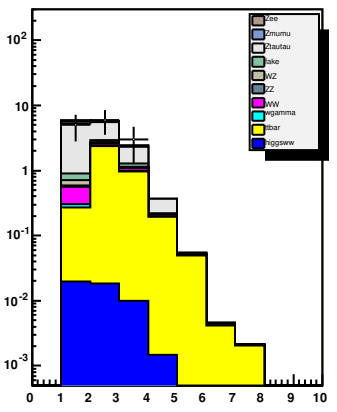
SBHs-Lead jet Et for two jets in before Jet cut



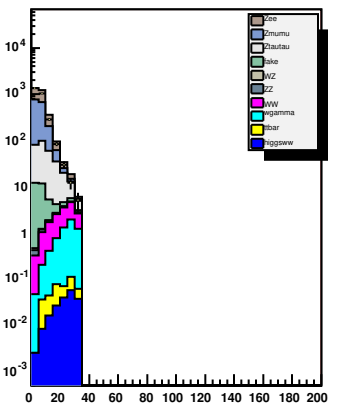
SBHs-Second jet Et for two jets before Jet cut



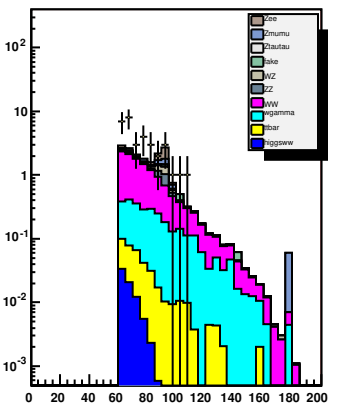
SBHs-Number of Jets inALL in Nm1 Jet cut



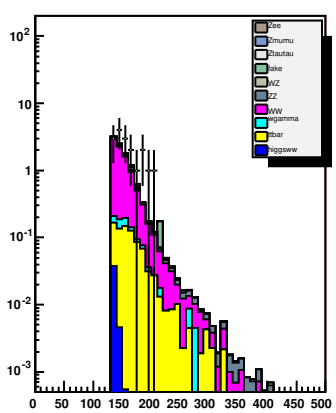
SBHs-Missing Et inALL in Nm1 missing et cut



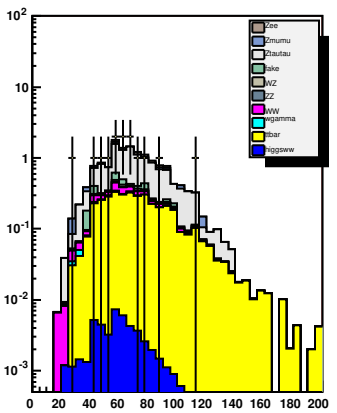
SBHs-dil mass inALL in Nm1 dil mass max cut



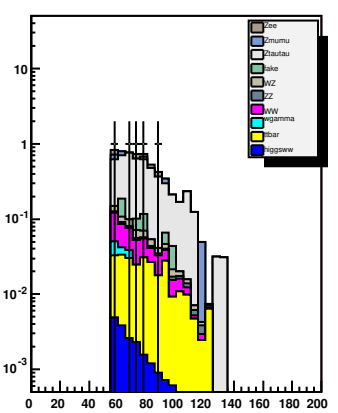
SBHs-total et inALL in Nm1 total et cut



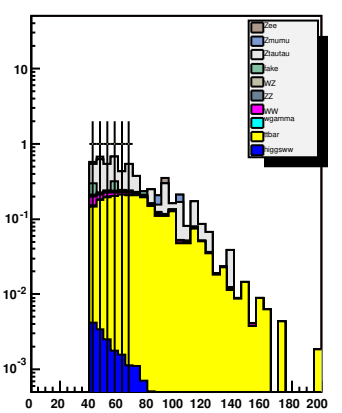
SBHs-Lead jet Et for all jets inALL in Nm1 Jet cut



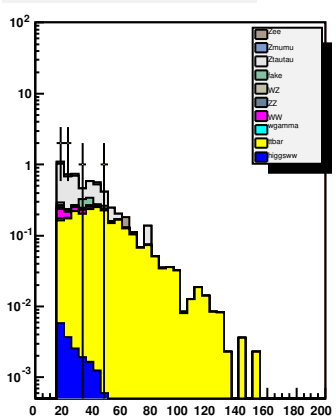
SBHs-Lead jet Et for one jet in ALL in Nm1 Jet cut



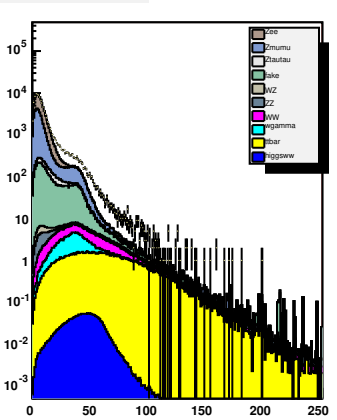
SBHs-Lead jet Et for two jets in ALL in Nm1 Jet cut



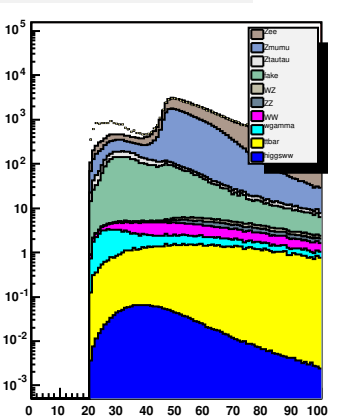
SBHs-Second jet Et for two jets in ALL in Nm1 Jet cut



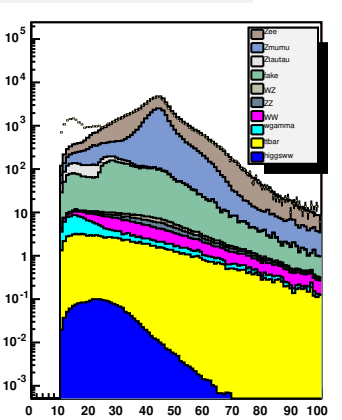
SBHs-Missing Et



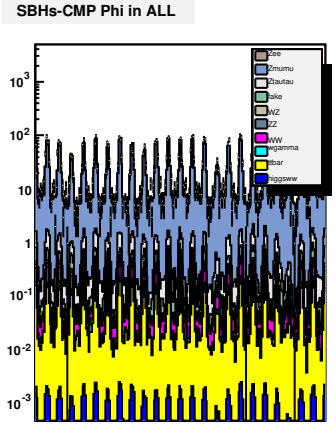
SBHs-highest lepton Et in ALL



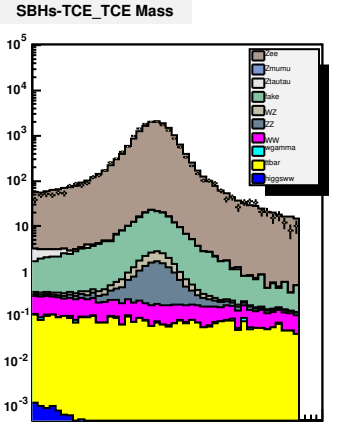
SBHs-secondhighest lepton Et in ALL



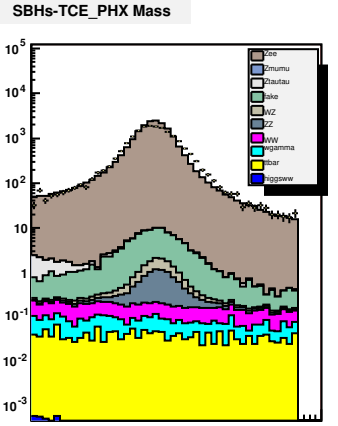
SBHs-CMP Phi in ALL



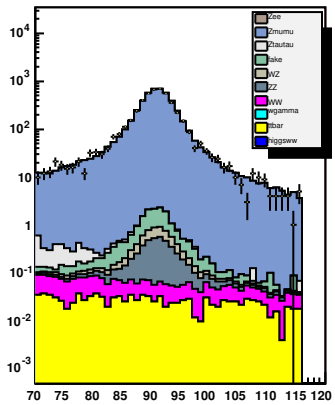
SBHs-TCE_TCE Mass



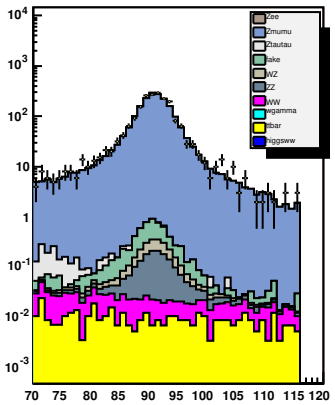
SBHs-TCE_PHX Mass



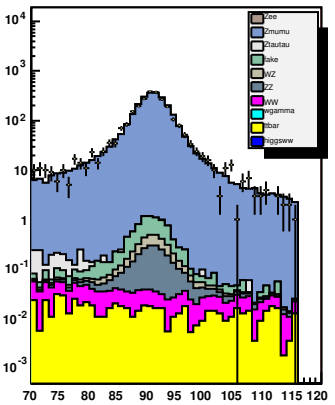
SBHs-CMUP_CMUP Mass



SBHs-CMUP_CMU Mass



SBHs-CMUP_CMP Mass



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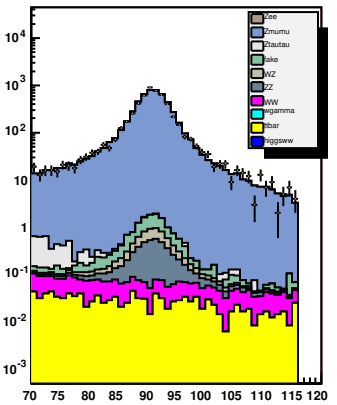
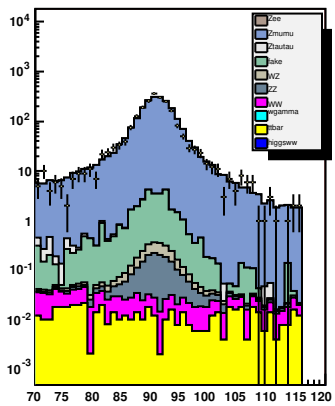
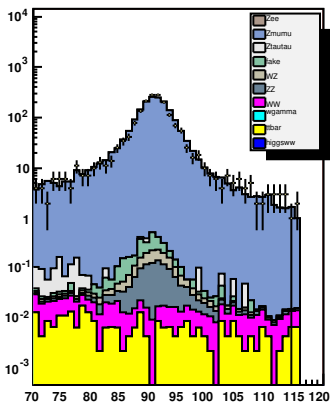


SBHs-CMUP_CMIO Mass



SBHs-CMX_CMX Mass



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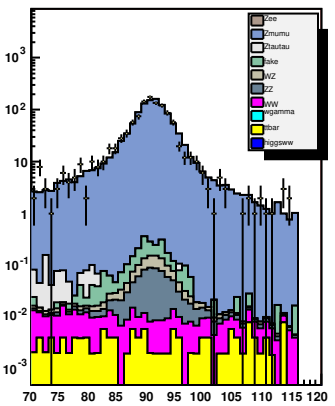
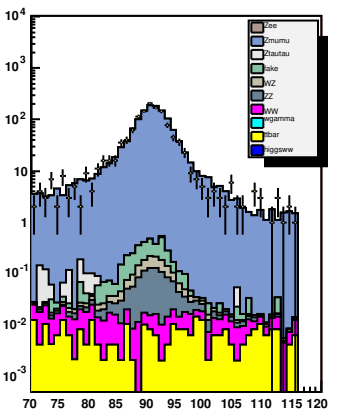
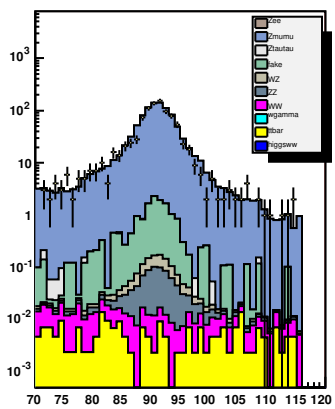


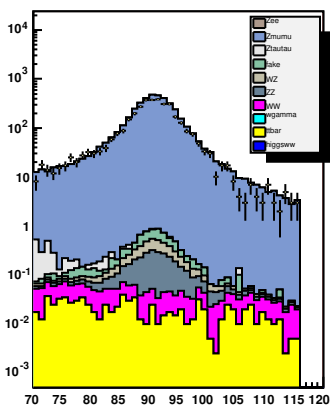
SBHs-CMX_CMP Mass



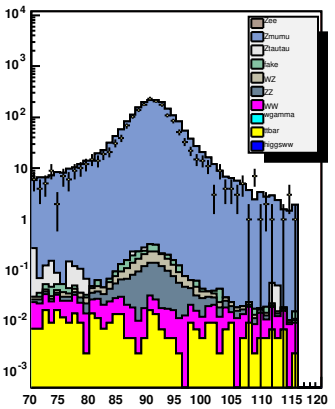
SBHs-CMX_CMIO Mass



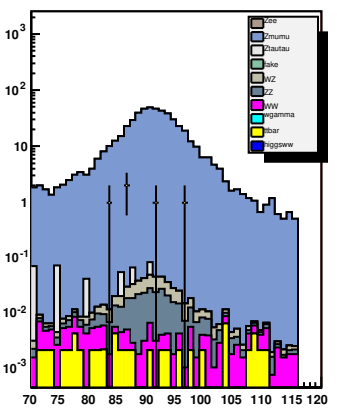
SBHs-CMUP_BMU Mass



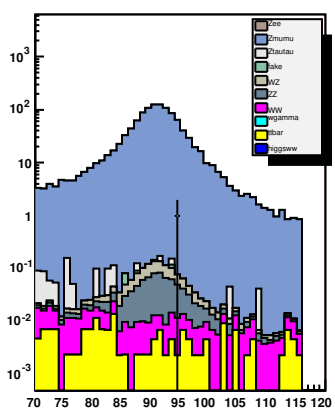
SBHs-CMX_BMU Mass



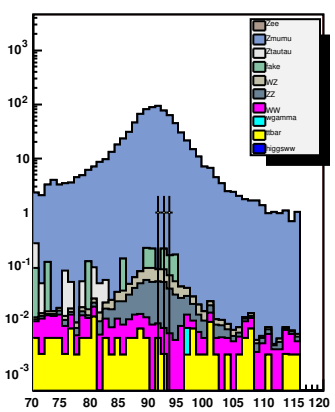
SBHs-BMU_BMU Mass



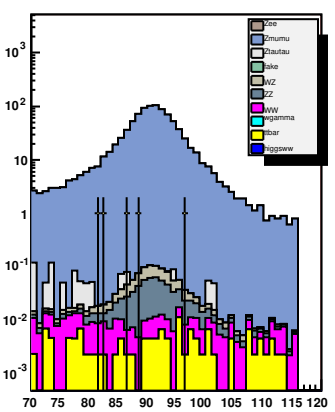
SBHs-CMP_BMU Mass



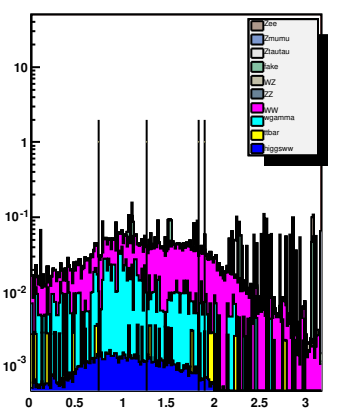
SBHs-CMIO_BMU Mass



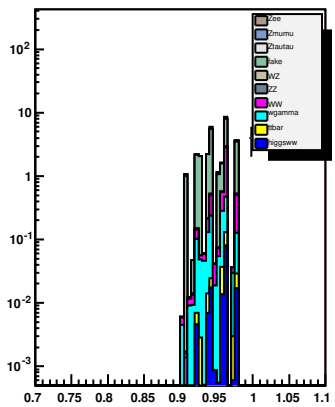
SBHs-CMU_BMU Mass



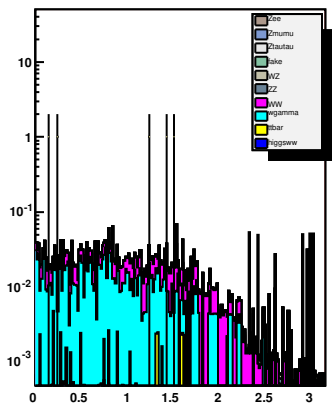
SBHs-TCE_TCE dilDphilike



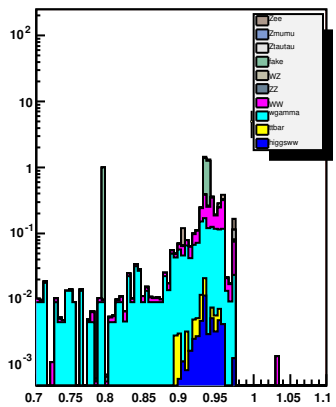
SBHs-TCE_TCE rawweight



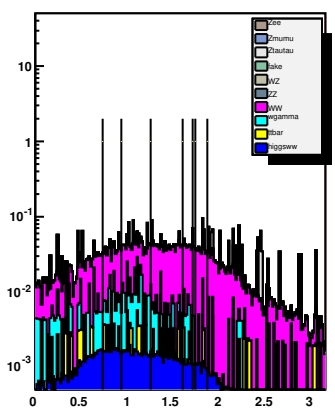
SBHs-TCE_PHX dilDphilike



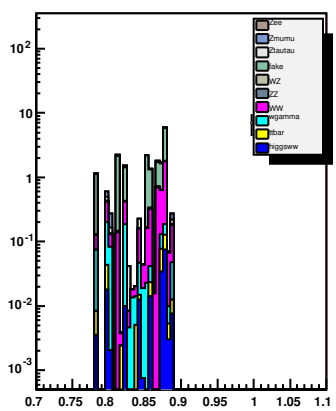
SBHs-TCE_PHX rawweight



SBHs-TCE_CMUP dilDphilike



SBHs-TCE_CMUP rawweight



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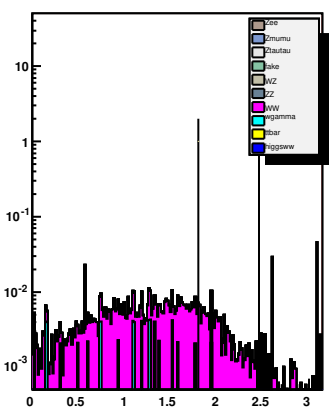

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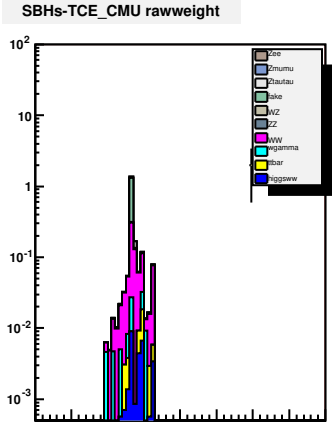
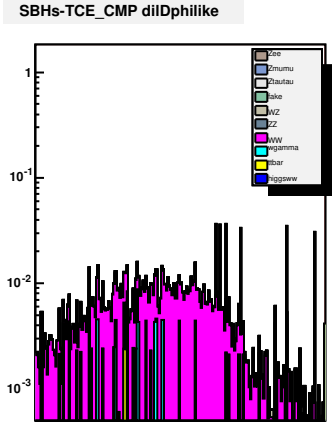
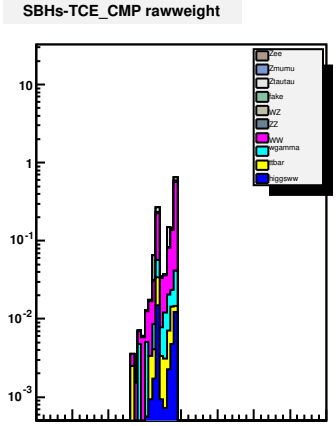


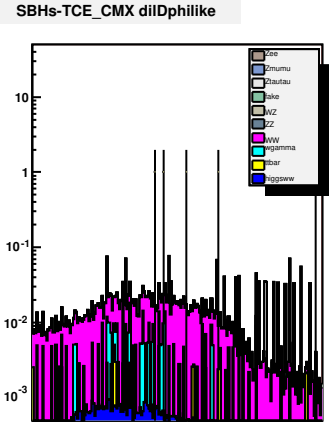
SBHs-TCE_CMP dilDphilike



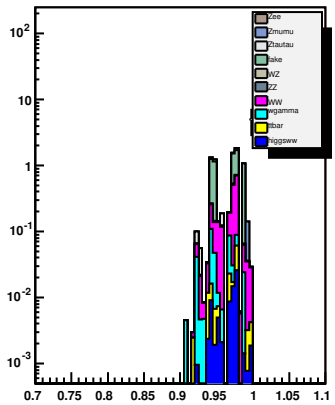
SBHs-TCE_CMP rawweight



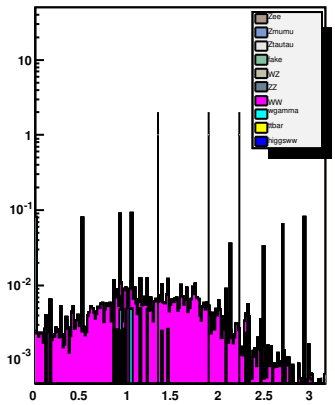
SBHs-TCE_CMX dilDphilike



SBHs-TCE_CMX rawweight



SBHs-TCE_CMIO dilDphilike



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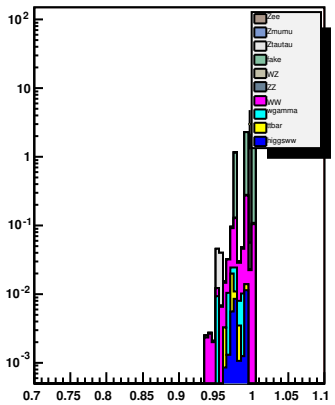

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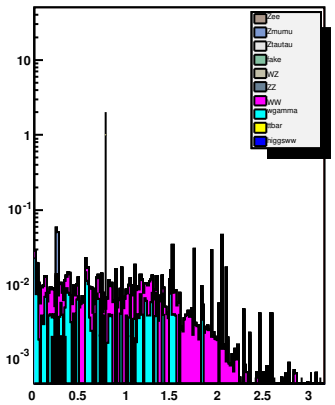

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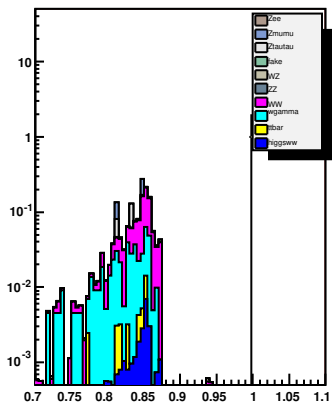

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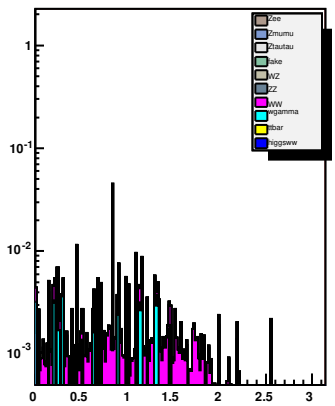

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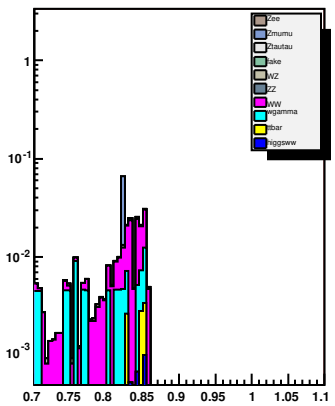

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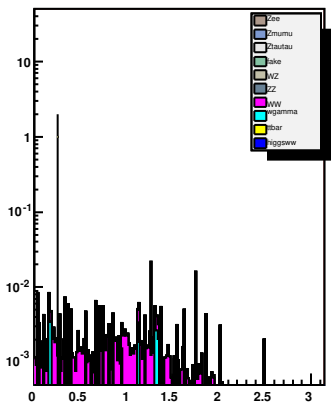

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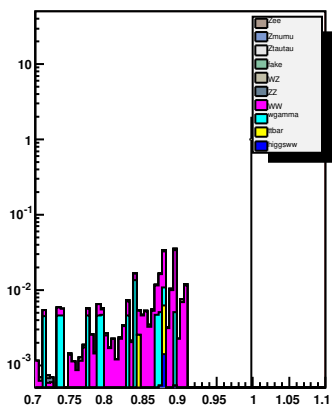

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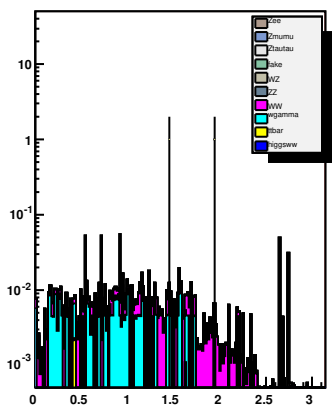

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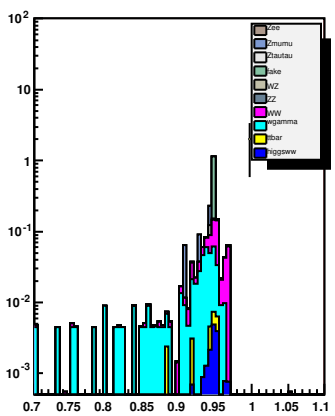

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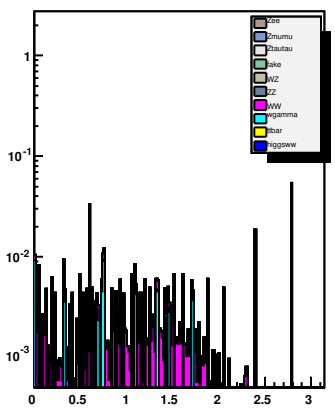

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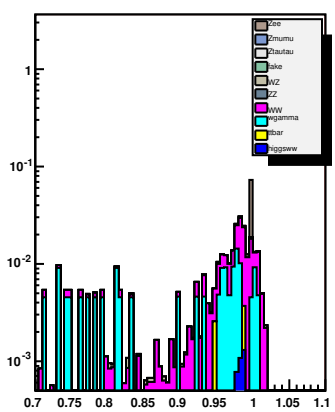

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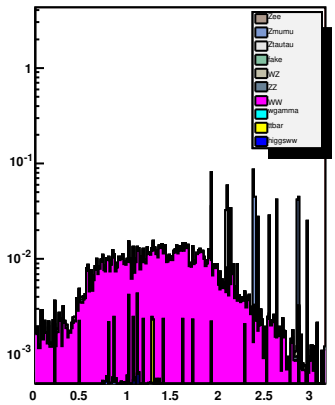

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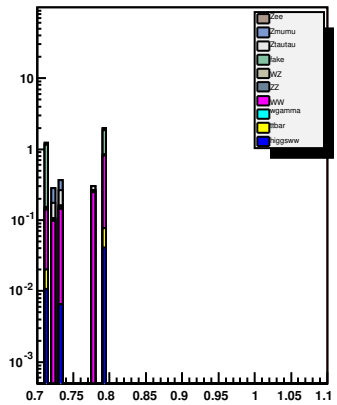

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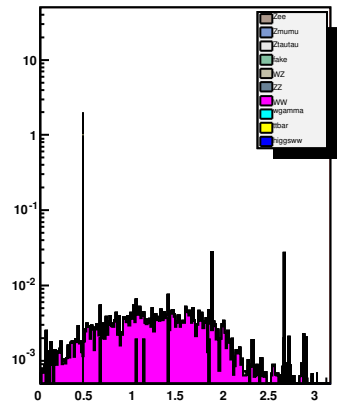

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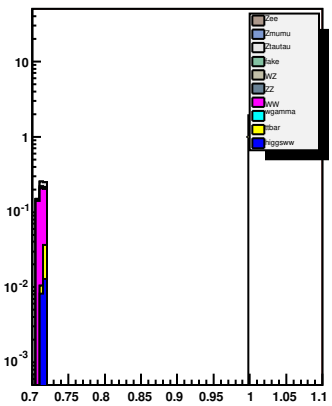

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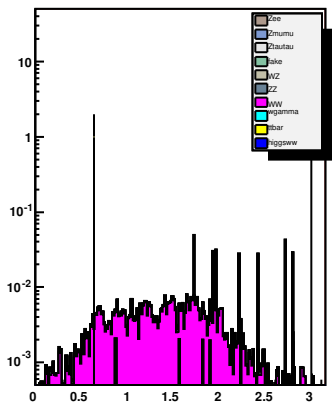

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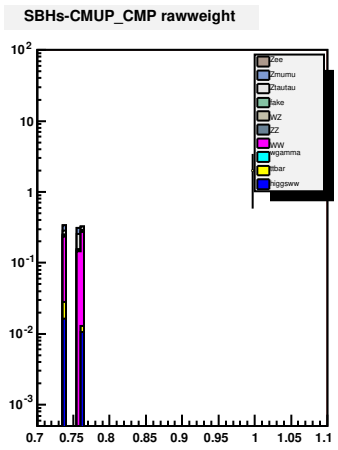

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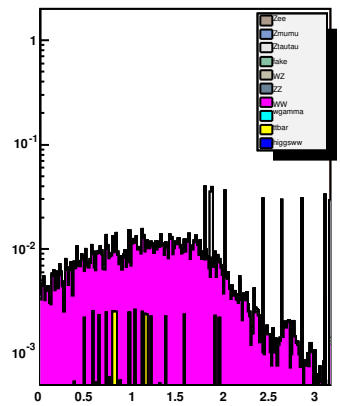

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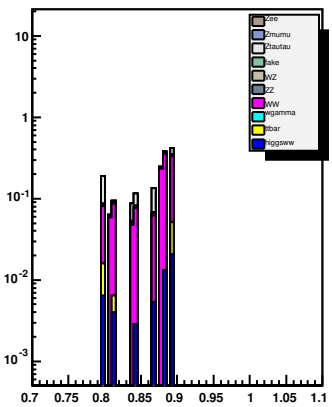

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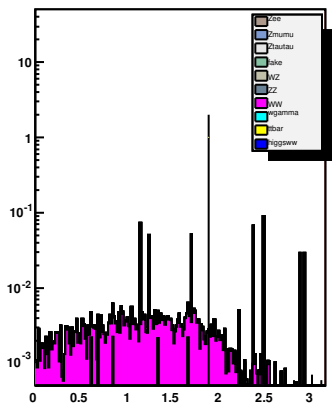

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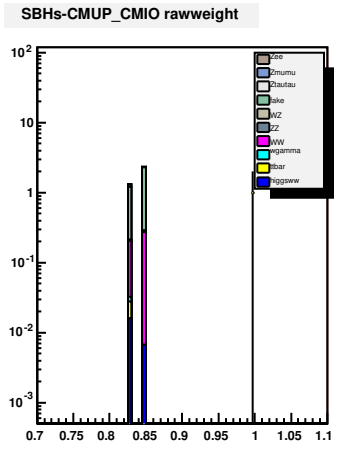

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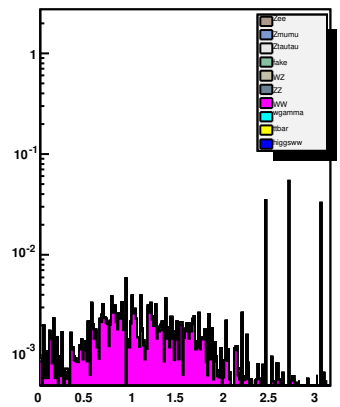

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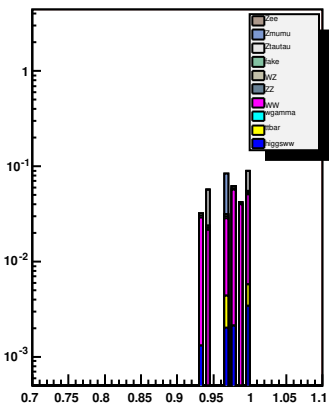

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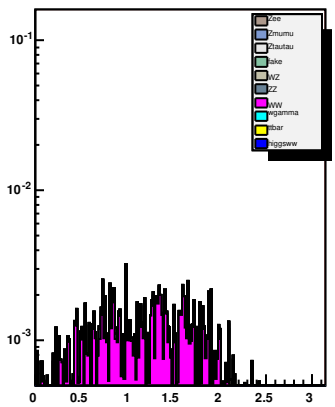

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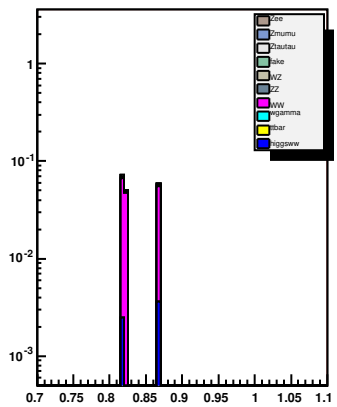

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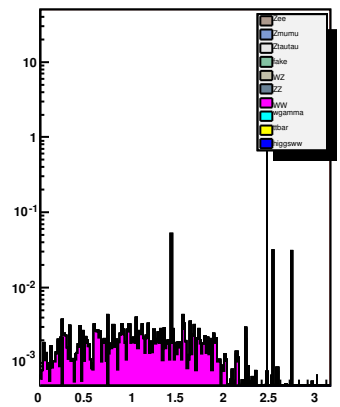

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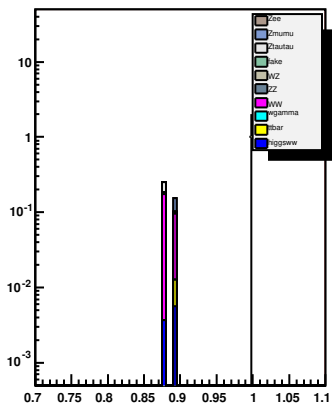

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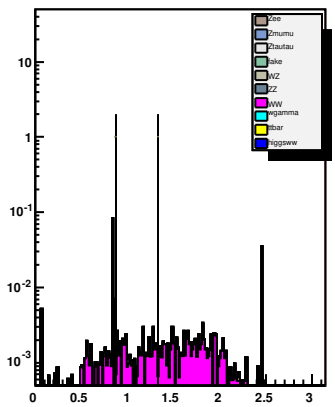

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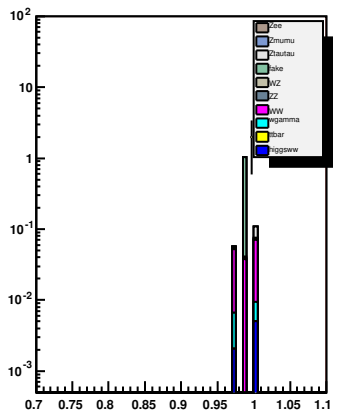

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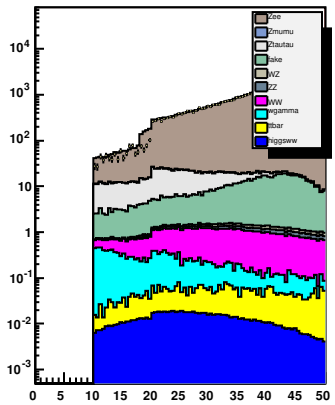
SBHs-TCE leptonET



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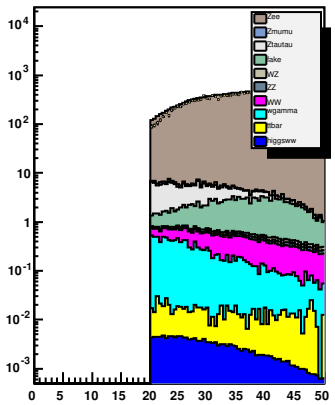

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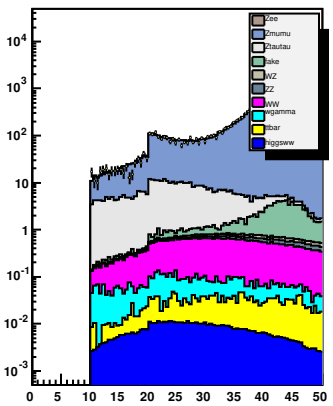

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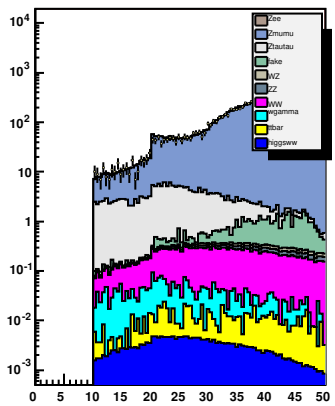

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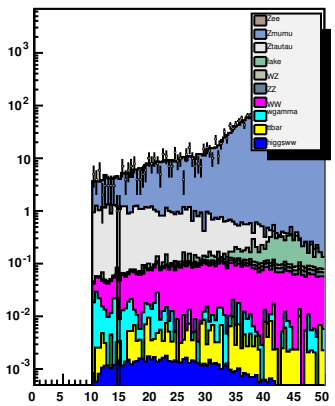

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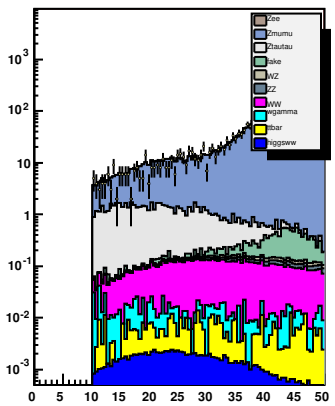

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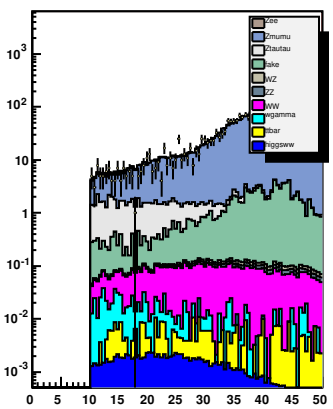
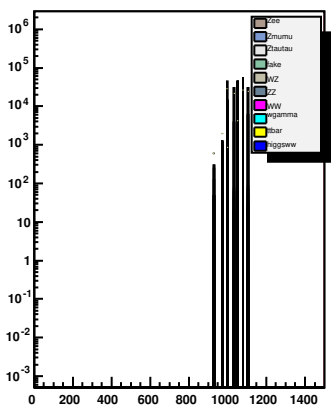
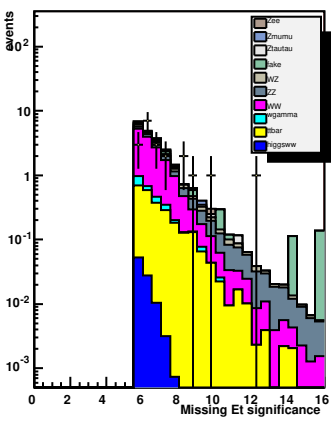


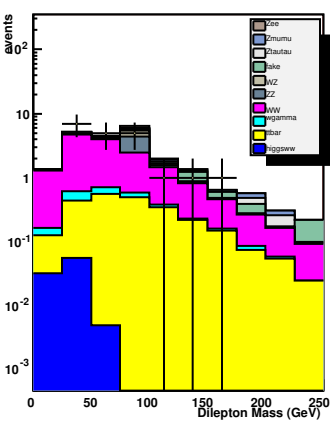
SBHs-luminosity



SBHs-WW missing Et significance



SBHs-WW dilepton mass



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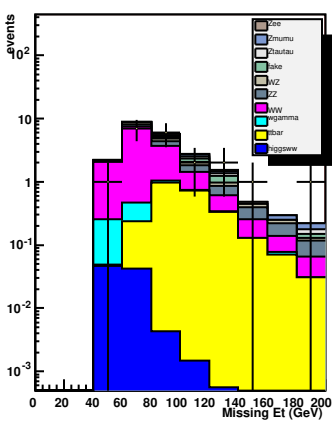

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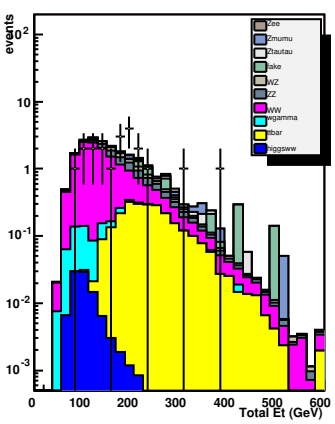

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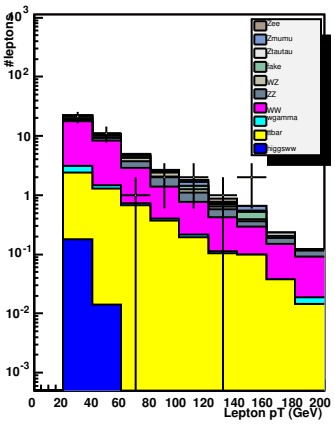

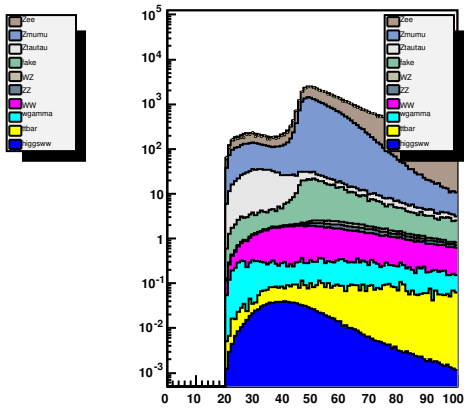
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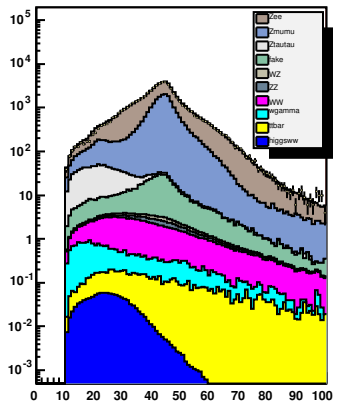
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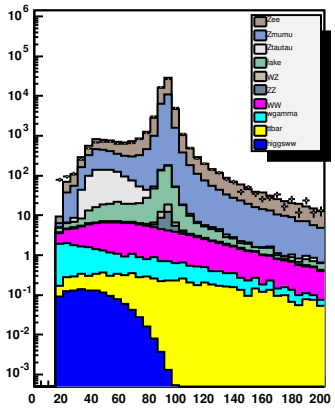
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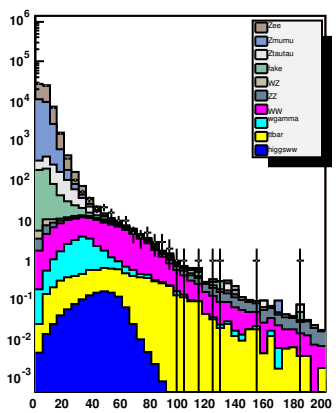
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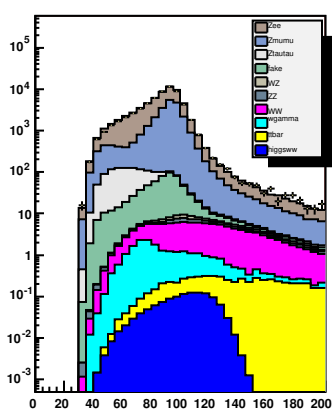
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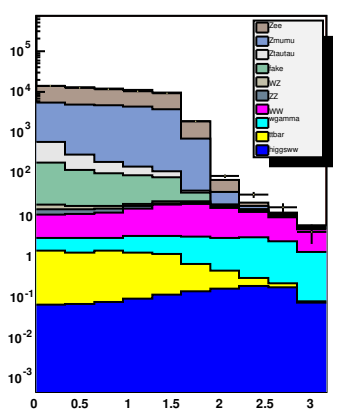
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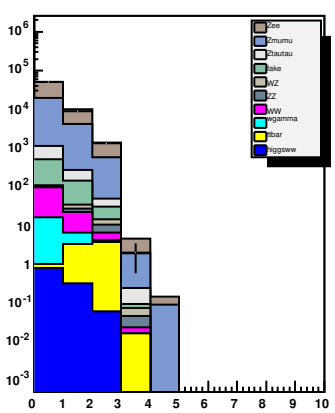
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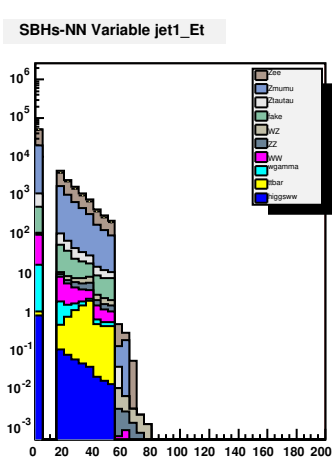
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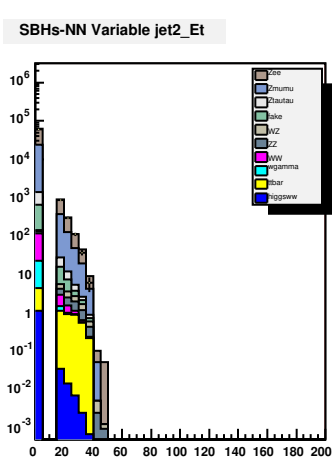
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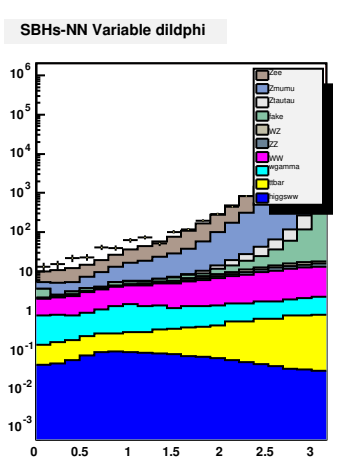
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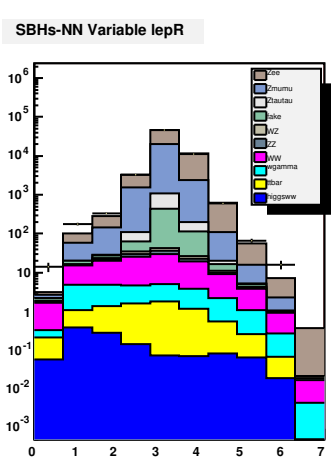
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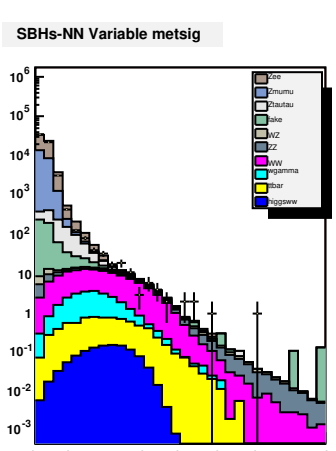
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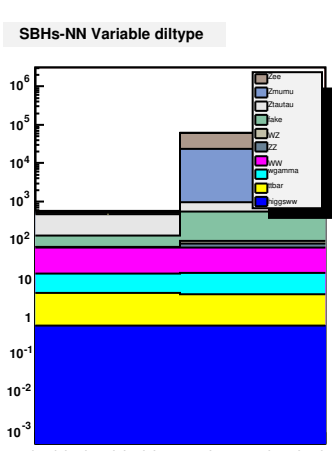
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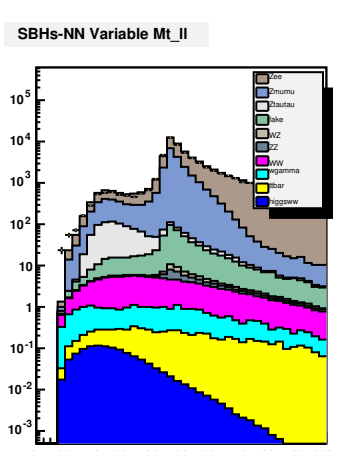
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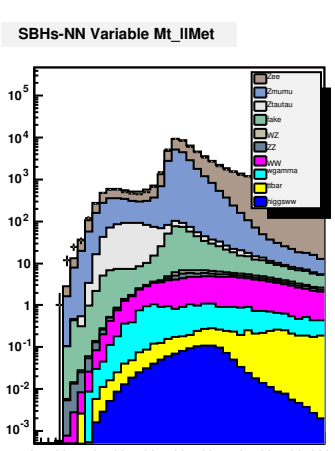
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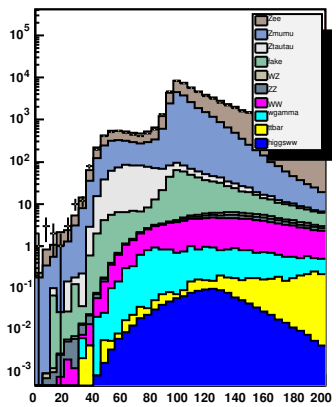

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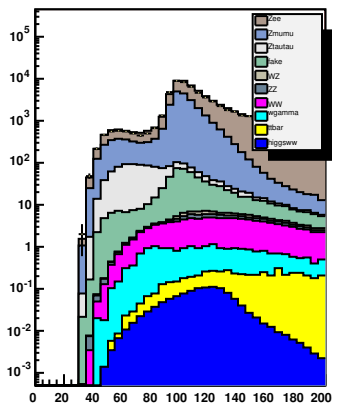

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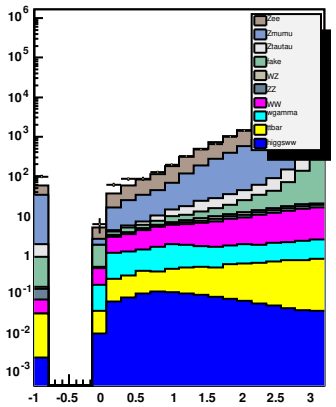

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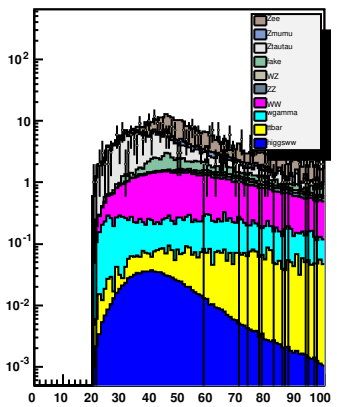

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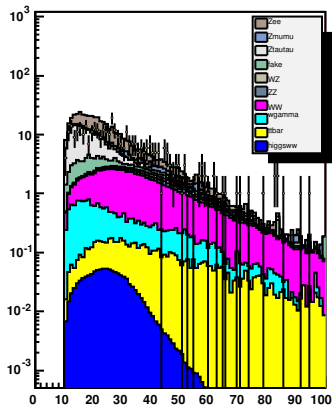

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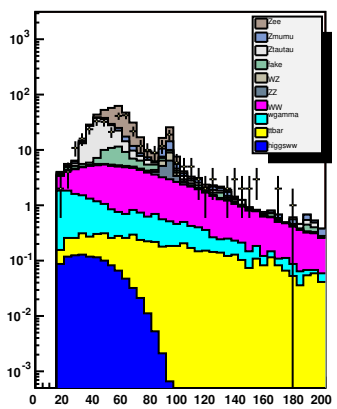

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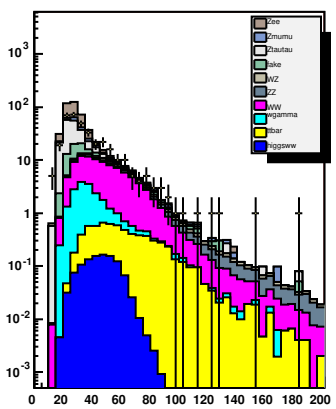

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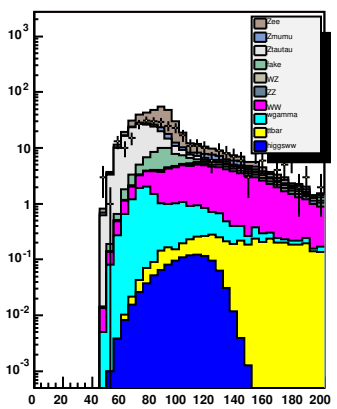

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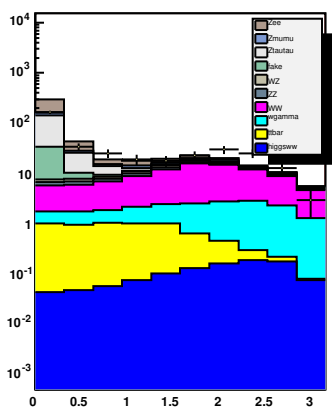

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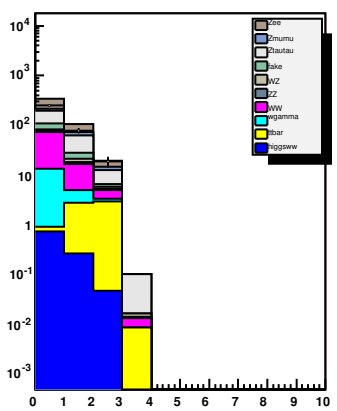

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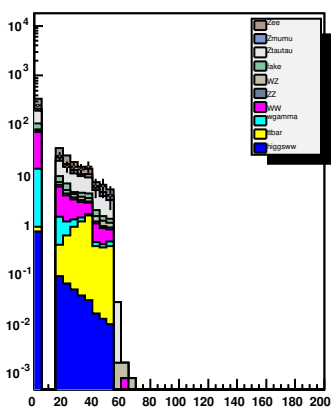

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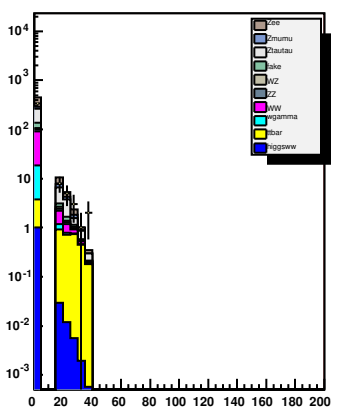

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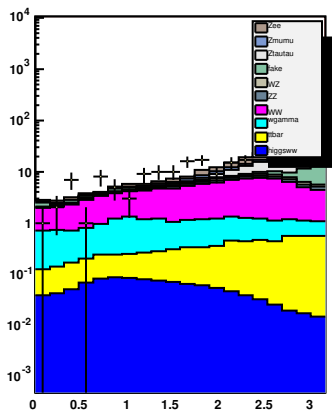

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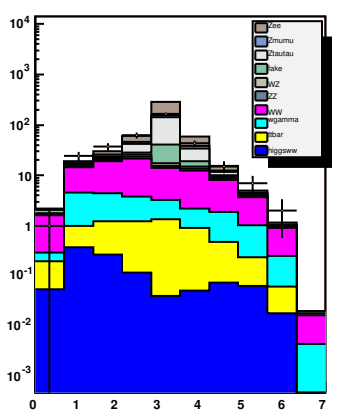

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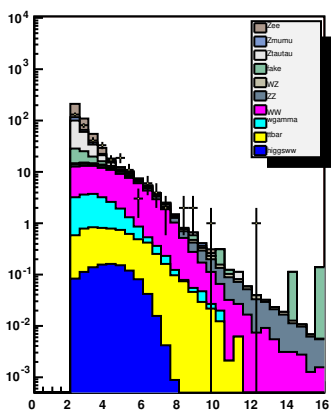

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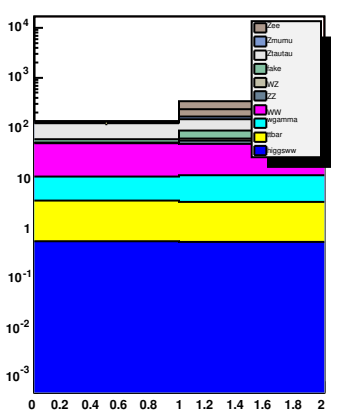

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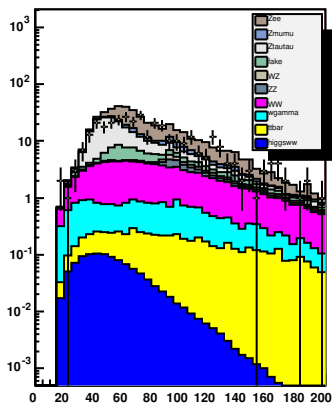

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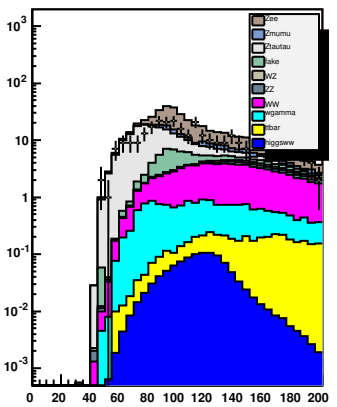

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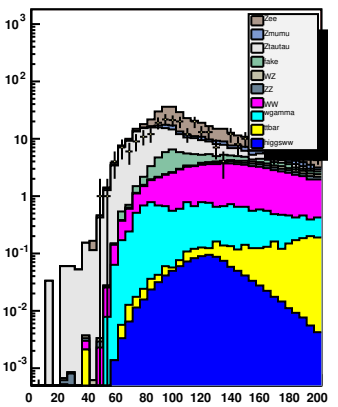

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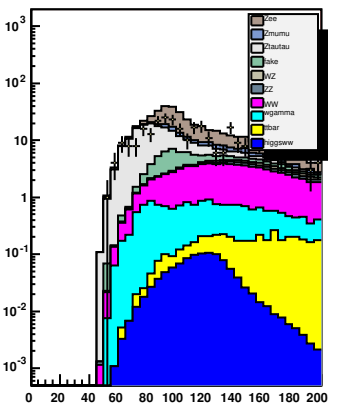

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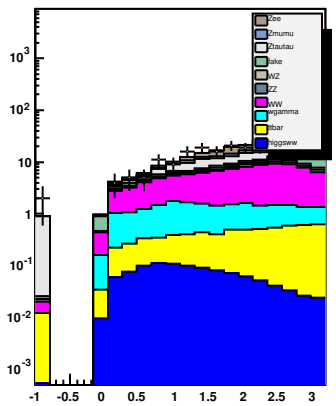
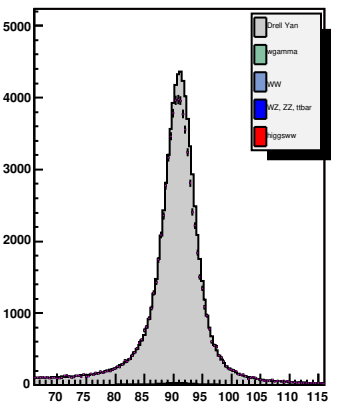


SBHs-dilepton masses for Z peak



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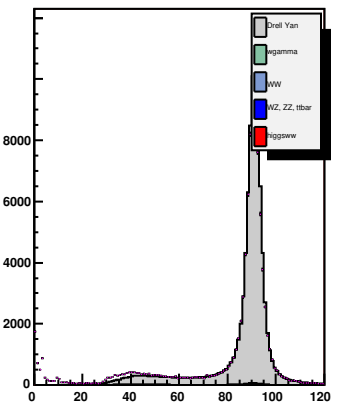
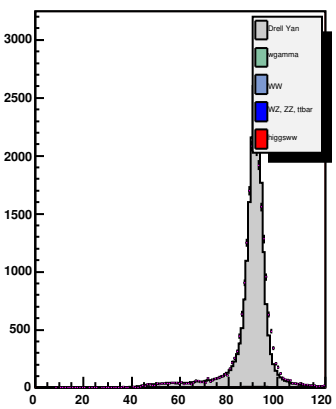
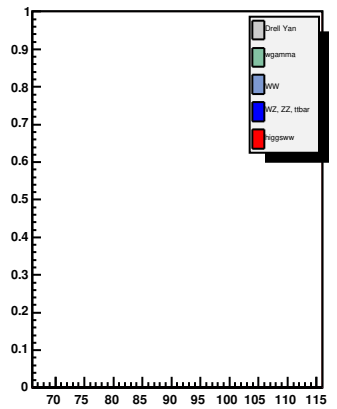


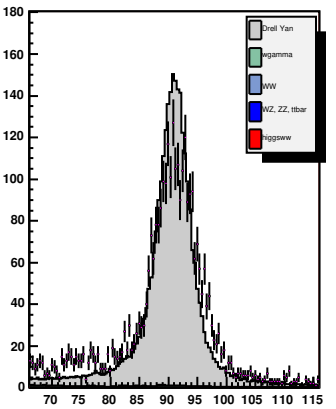
SBHs-dilepton masses for TCE-PHX Z peak



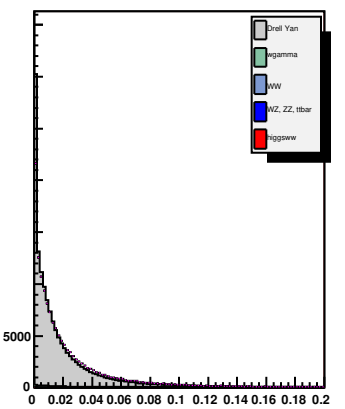
SBHs-hepg dilepton masses for Z peak



SBHs-same sign dilepton masses



SBHs-before lepton calorimeter isolation cut



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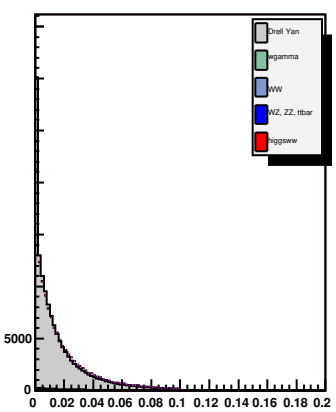

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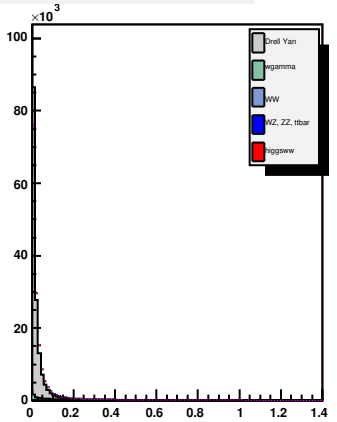

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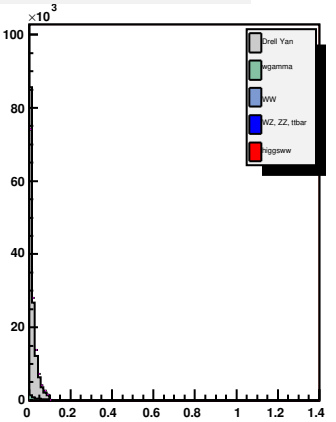
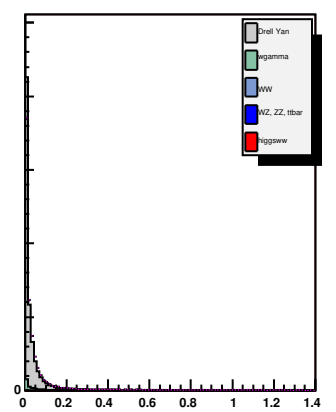
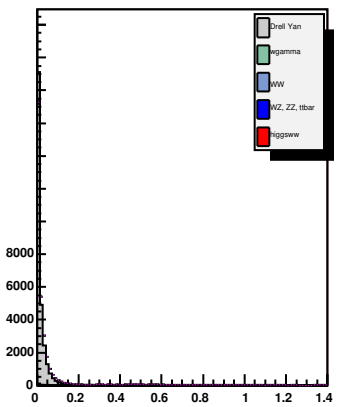


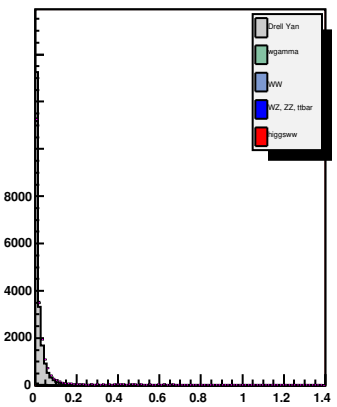
SBHs-TCE Trk Isolation



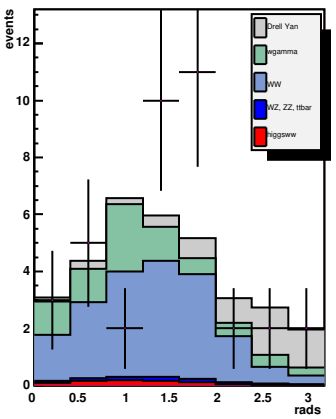
SBHs-CMUP Trk Isolation



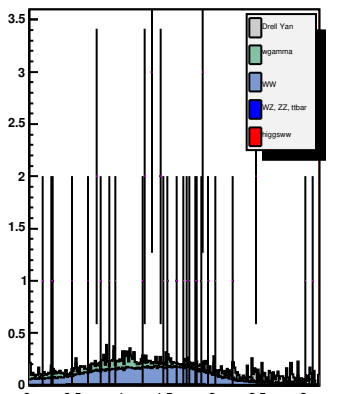
SBHs-CMX Trk Isolation



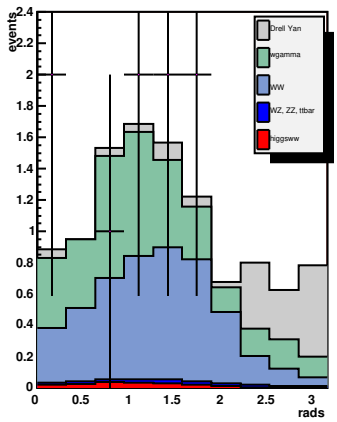
SBHs-lepton angular separation

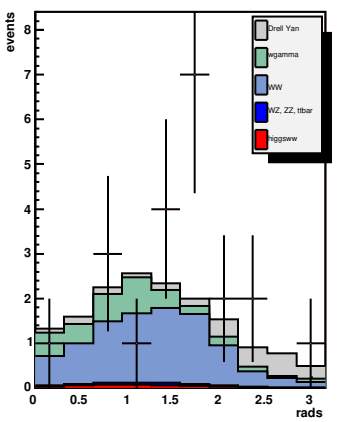


SBHs-dildphi in ALLfor like

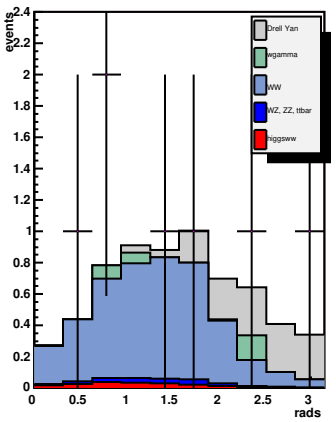


SBHs-lepton angular separation of electrons





SBHs-lepton angular separation of muons



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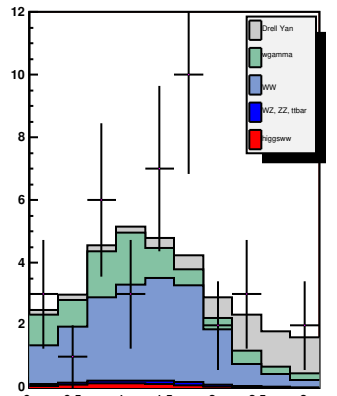

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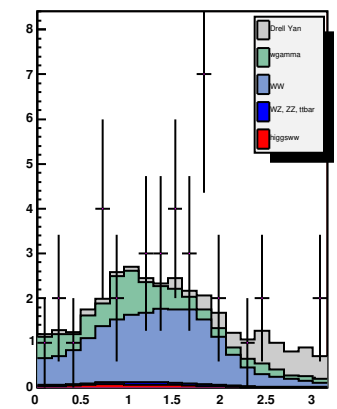
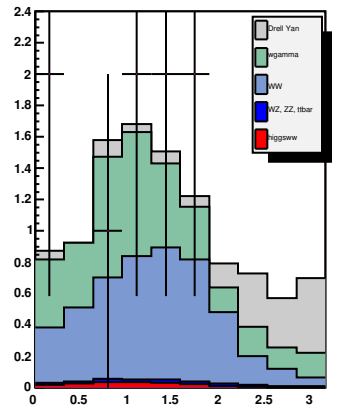
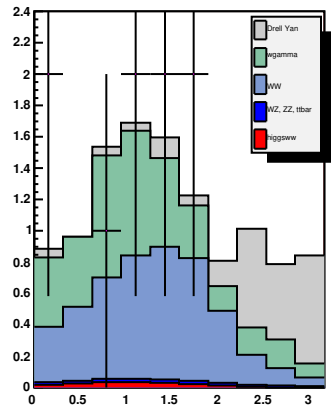


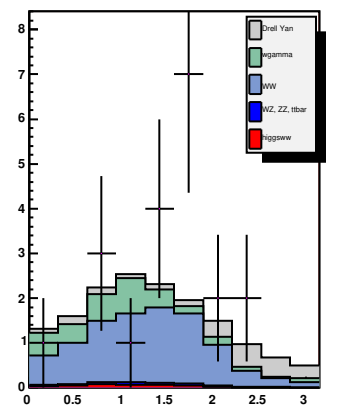
SBHs-dphi of electrons, high JES



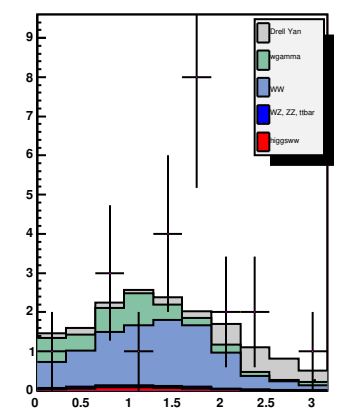
SBHs-dphi of electrons, low JES



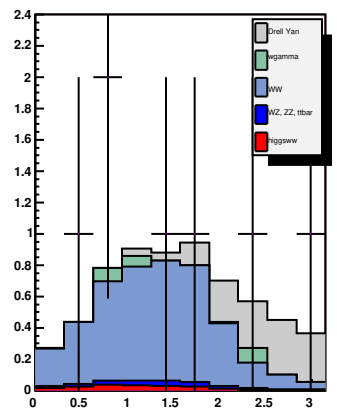
SBHs-dphi of electron and muon, high JES



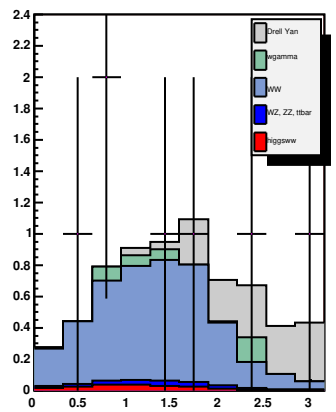
SBHs-dphi of electron and muon, low JES



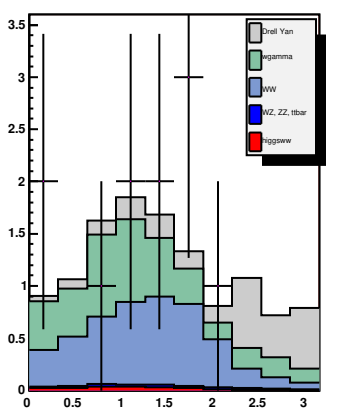
SBHs-dphi of muons, high JES



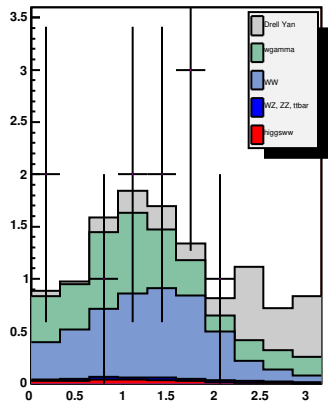
SBHs-dphi of muons, low JES



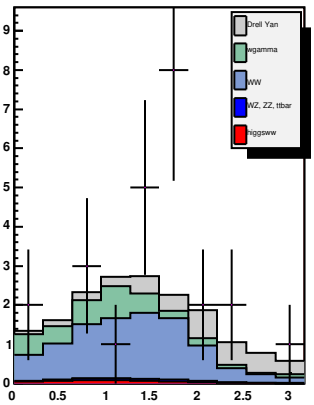
SBHs-dphi of electrons, high LES



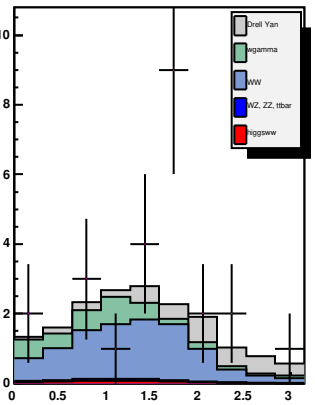
SBHs-dphi of electrons, low LES



SBHs-dphi of electron and muon, high LES



SBHs-dphi of electron and muon, low LES



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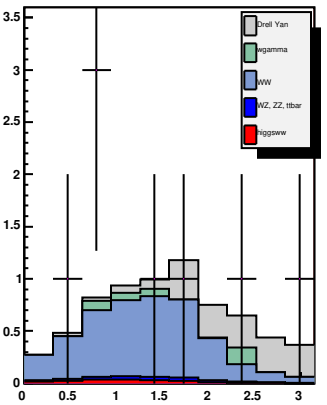
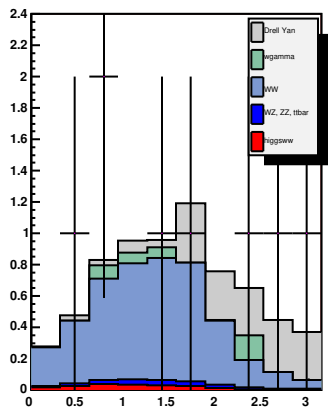
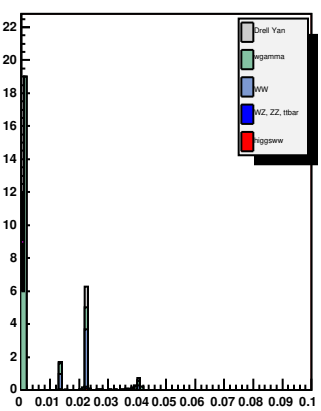


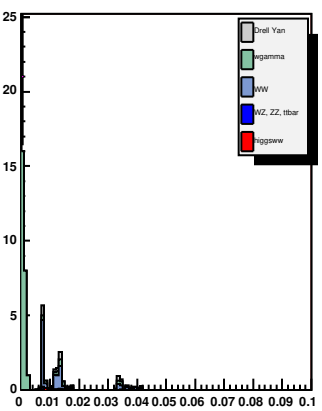
SBHs-dphi of muons, low LES



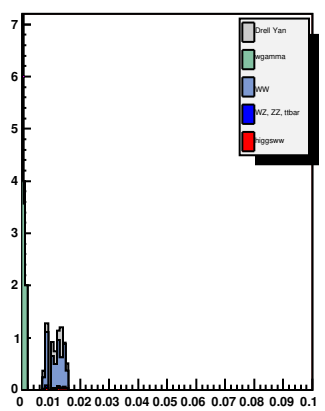
SBHs-Relative Weights Error for electrons



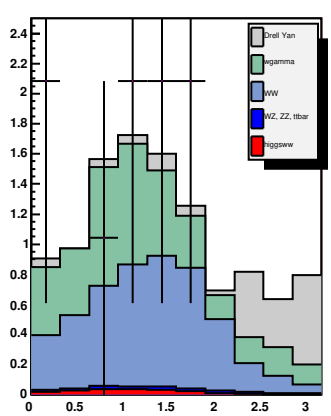
SBHs-Relative Weights Error for electron and muon



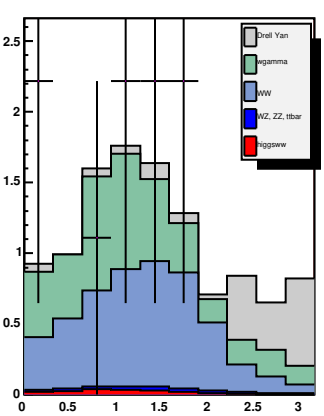
SBHs-Relative Weights Error for muons



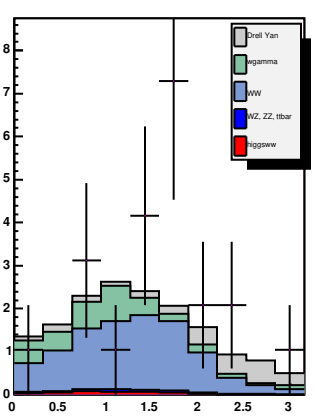
SBHs-dphi of electrons, high ISR



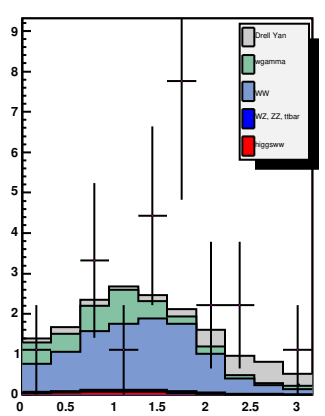
SBHs-dphi of electrons, low ISR



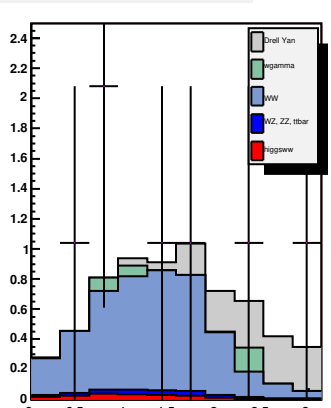
SBHs-dphi of electron and muon, high ISR



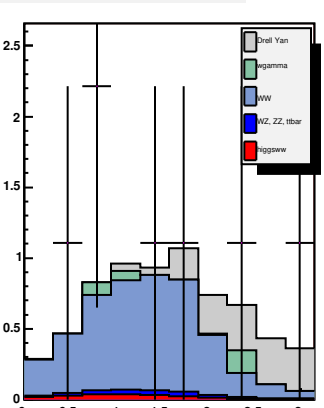
SBHs-dphi of electron and muon, low ISR



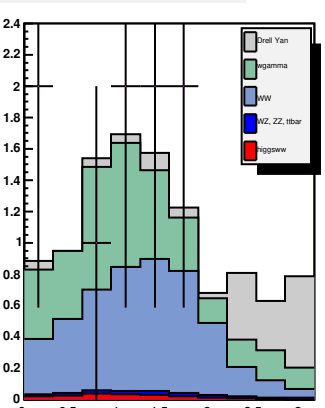
SBHs-dphi of muons, high ISR



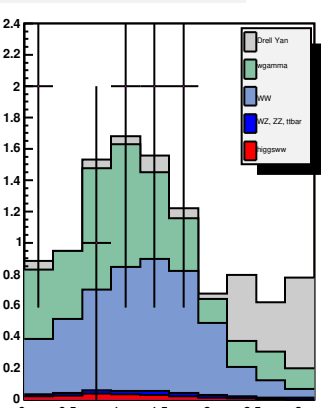
SBHs-dphi of muons, low ISR



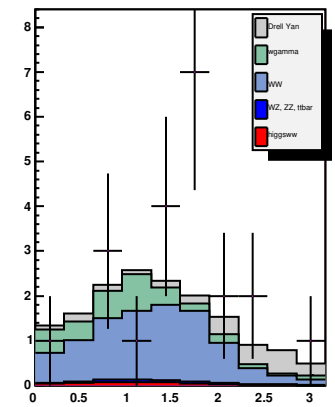
SBHs-dphi of electrons, high Fake



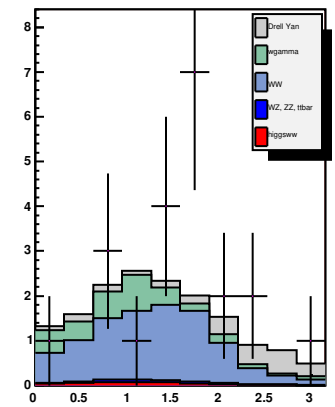
SBHs-dphi of electrons, low Fake



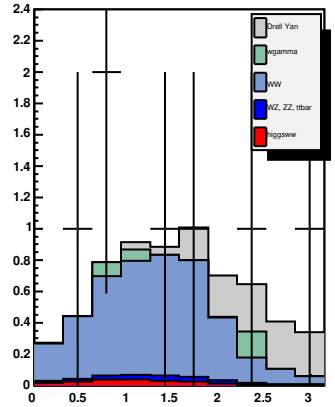
SBHs-dphi of electron and muon, high Fake



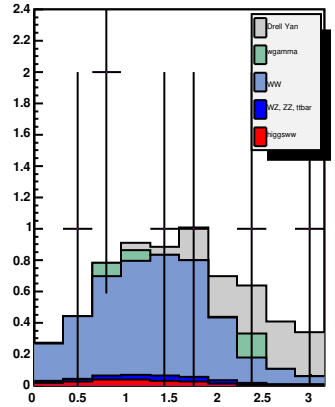
SBHs-dphi of electron and muon, low Fake



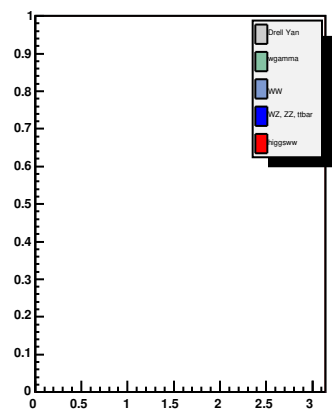
SBHs-dphi of muons, high Fake



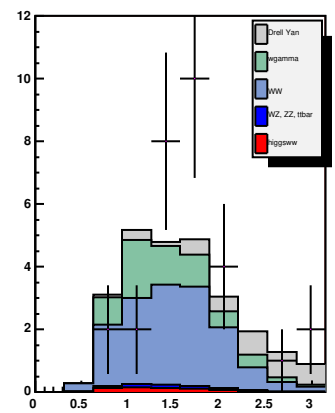
SBHs-dphi of muons, low Fake



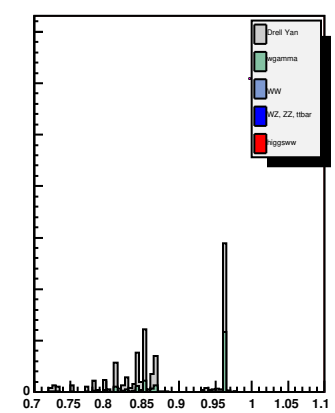
SBHs-dphi from TMVA selection



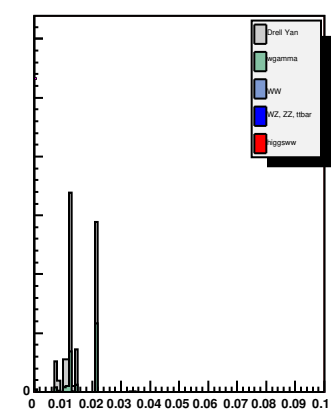
SBHs-dilepton dR



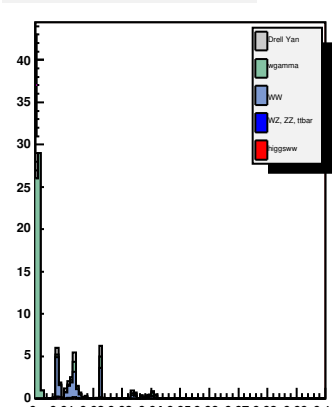
SBHs-Weight forALL



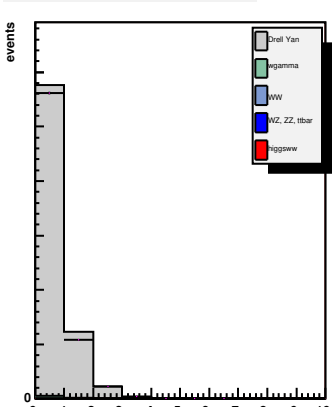
SBHs-Weight Error for ALL



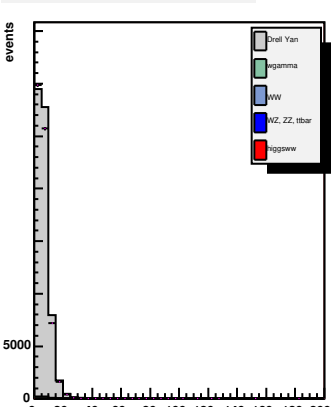
SBHs-Relative Weight Error for ALL



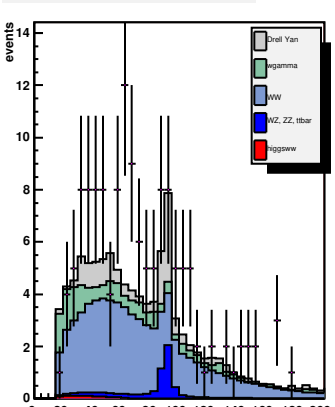
SBHs-Number of Jets in before Jet cut



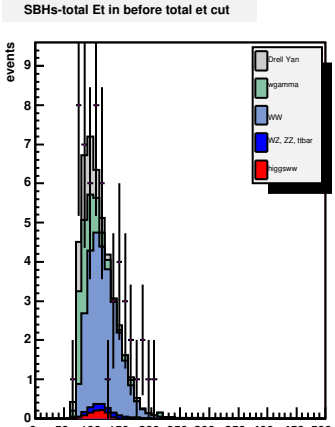
SBHs-Missing Et before missing et cut



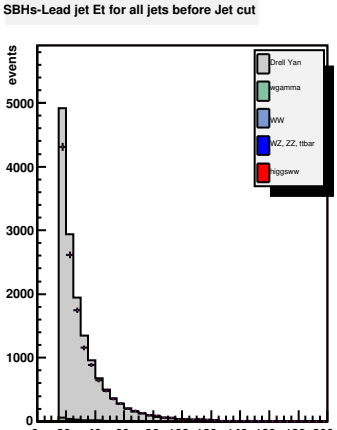
SBHs-dilepton mass before dilepton mass cut



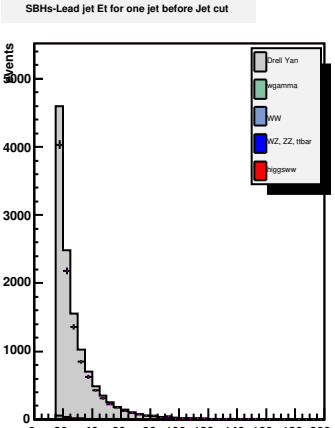
SBHs-total Et in before total et cut



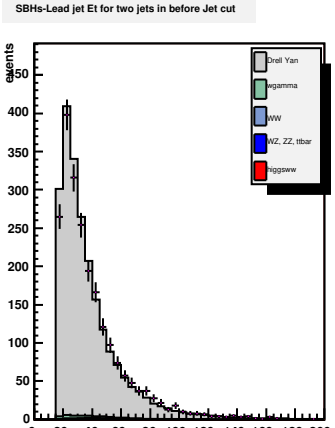
SBHs-Lead jet Et for all jets before Jet cut



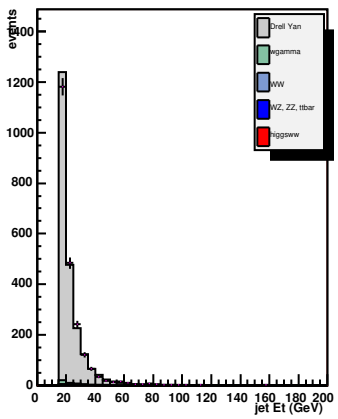
SBHs-Lead jet Et for one jet before Jet cut



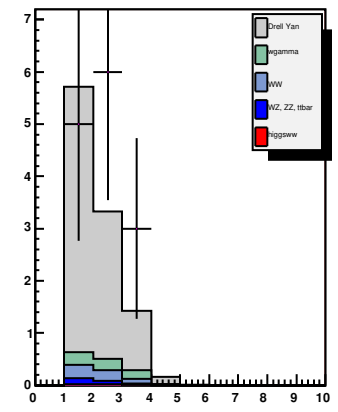
SBHs-Lead jet Et for two jets in before Jet cut



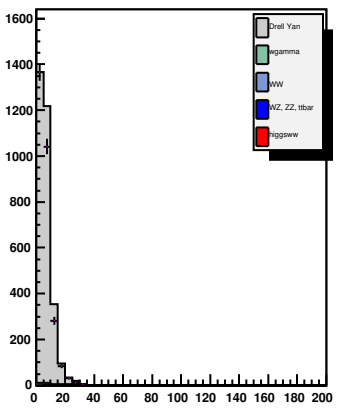
SBHs-Second jet Et for two jets before Jet cut



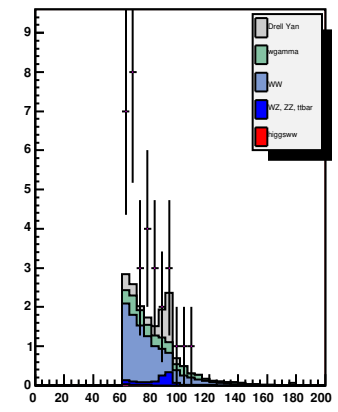
SBHs-Number of Jets inALL in Nm1 Jet cut



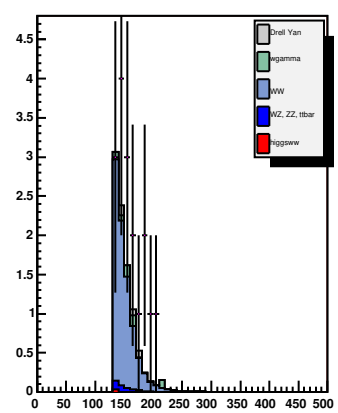
SBHs-Missing Et inALL in Nm1 missing et cut



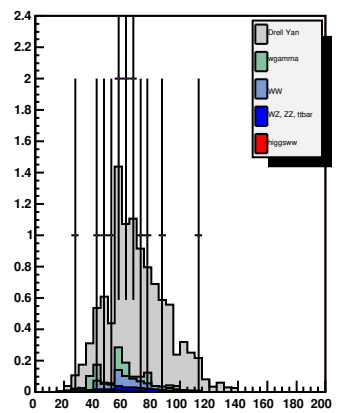
SBHs-dil mass inALL in Nm1 dil mass max cut



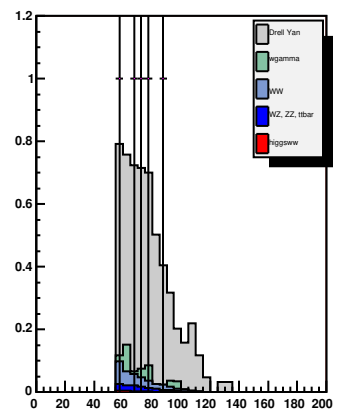
SBHs-total et inALL in Nm1 total et cut



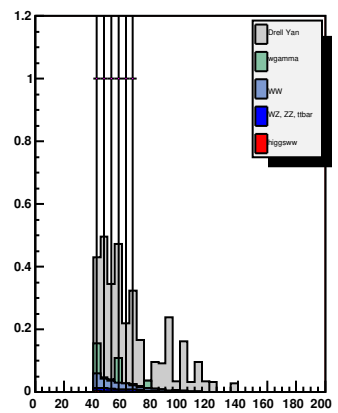
SBHs-Lead jet Et for all jets inALL in Nm1 Jet cut



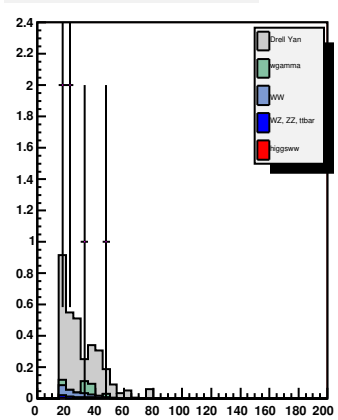
SBHs-Lead jet Et for one jet in ALL in Nm1 Jet cut



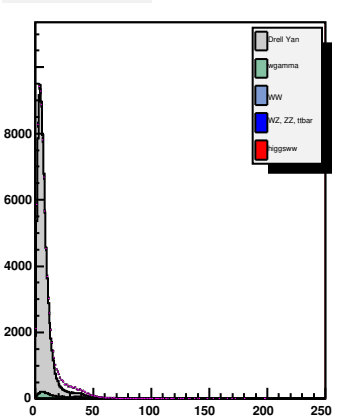
SBHs-Lead jet Et for two jets in ALL in Nm1 Jet cut



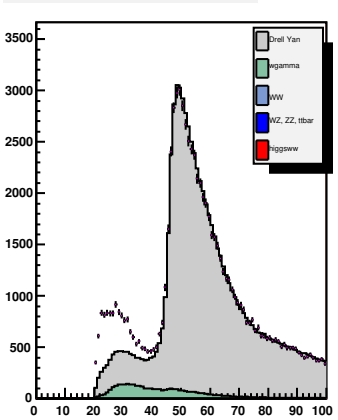
SBHs-Second jet Et for two jets in ALL in Nm1 Jet cut



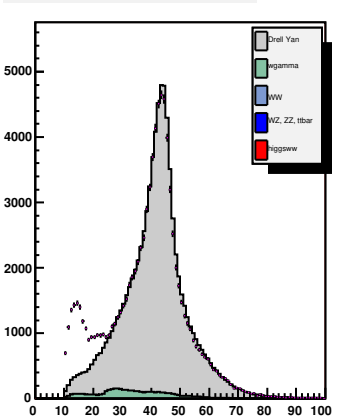
SBHs-Missing Et



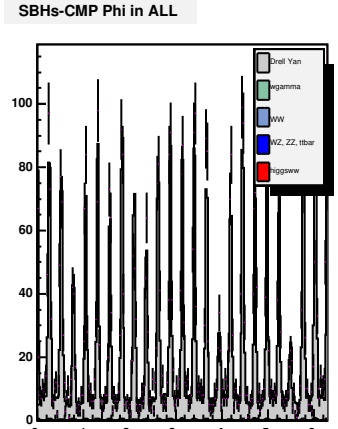
SBHs-highest lepton Et in ALL



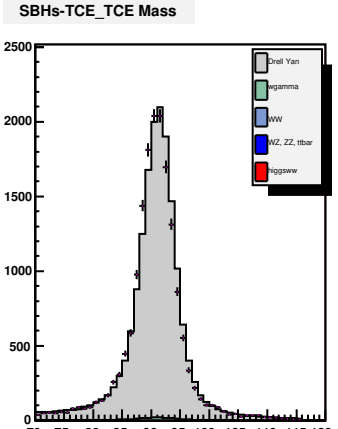
SBHs-secondhighest lepton Et in ALL



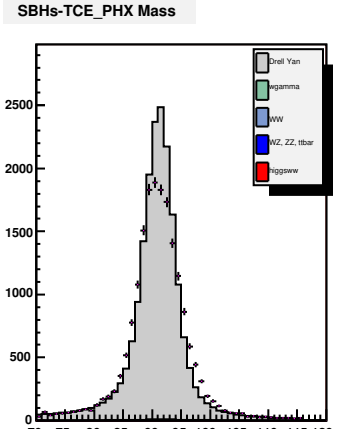
SBHs-CMP Phi in ALL



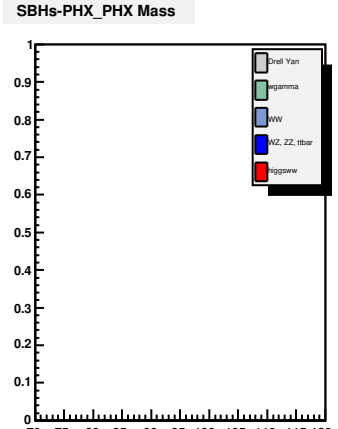
SBHs-TCE_TCE Mass



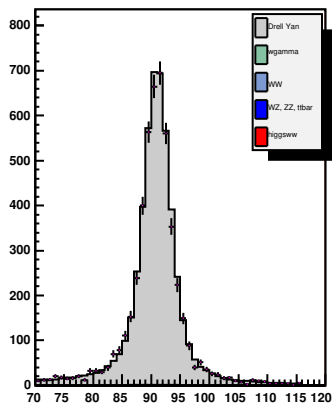
SBHs-TCE_PHX Mass



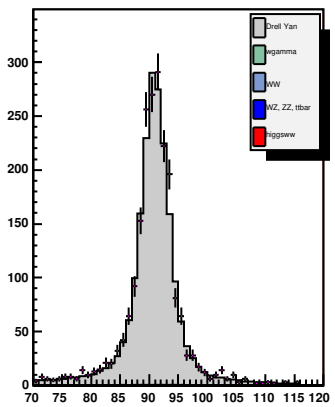
SBHs-PHX_PHX Mass



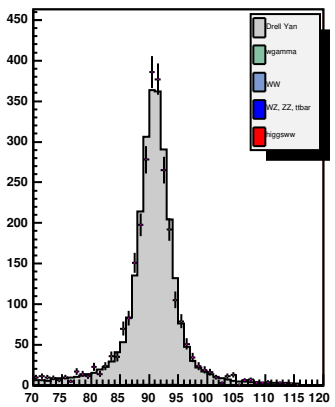
SBHs-CMUP_CMUP Mass



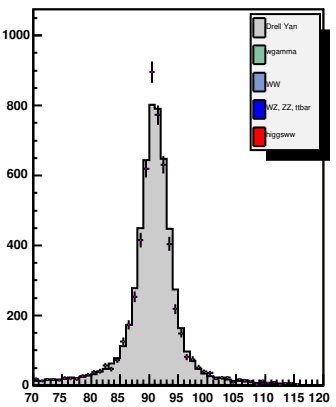
SBHs-CMUP_CMU Mass



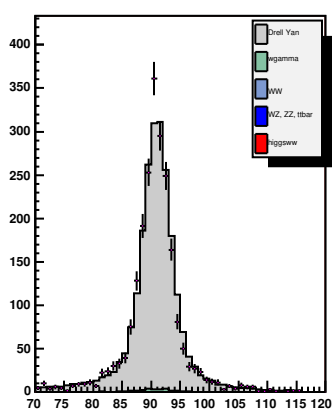
SBHs-CMUP_CMP Mass



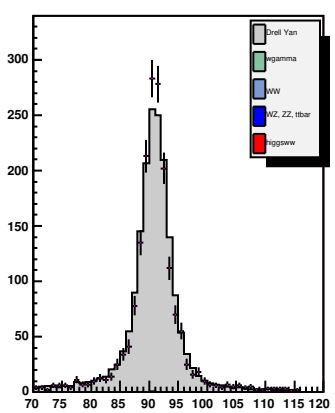
SBHs-CMUP_CMX Mass



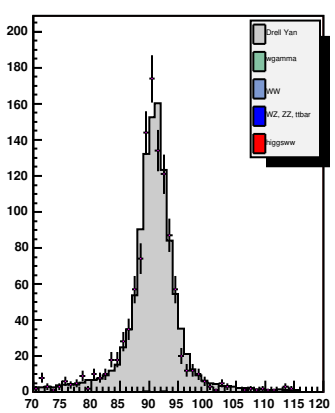
SBHs-CMUP_CMIO Mass



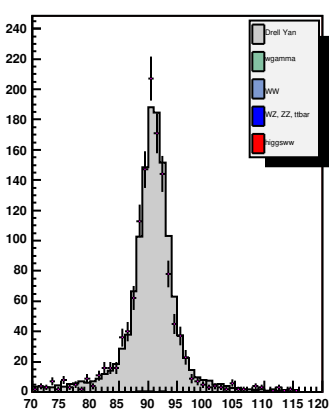
SBHs-CMX_CMX Mass



SBHs-CMX_CMU Mass



SBHs-CMX_CMP Mass



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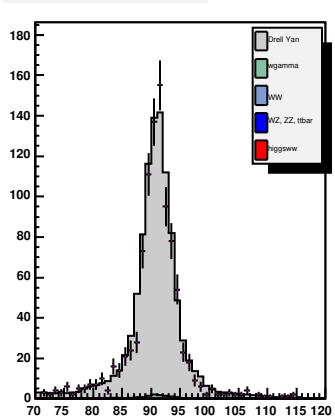

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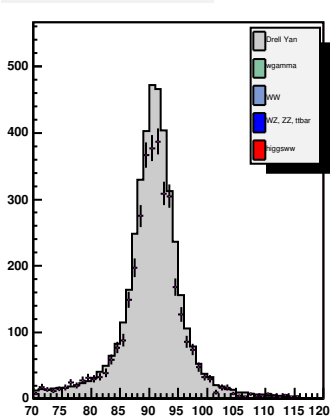

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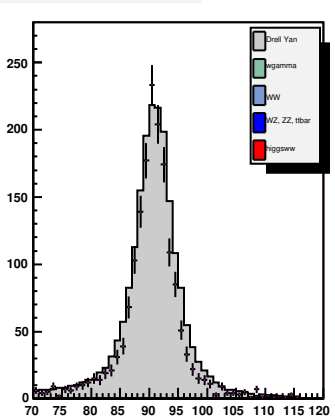

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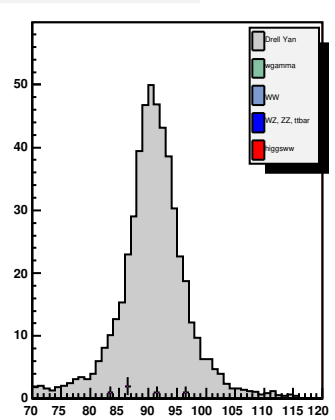

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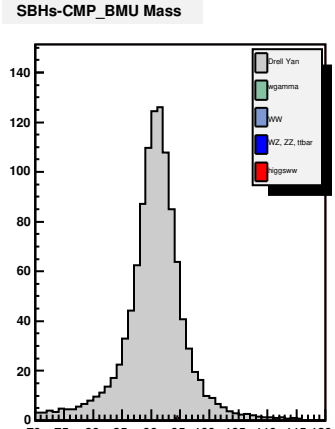

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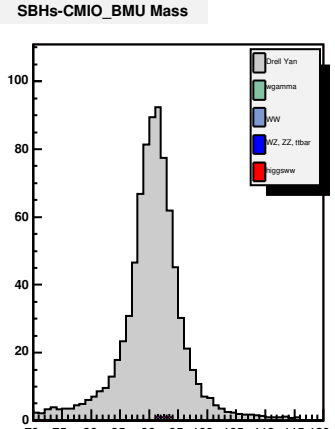

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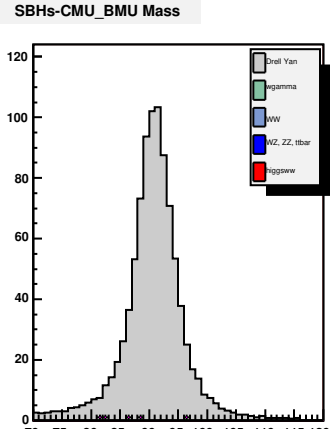

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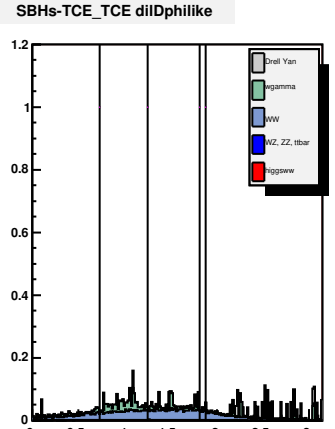

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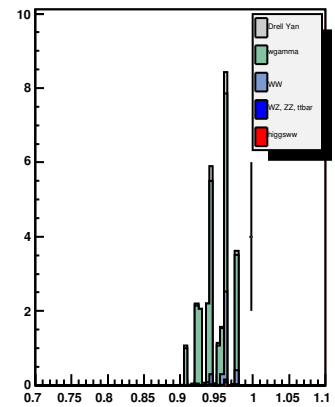

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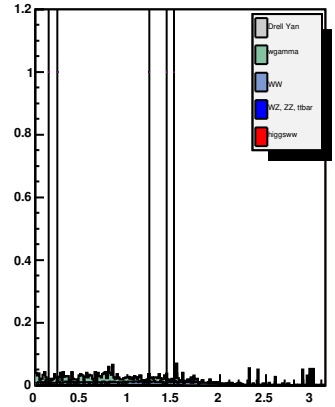

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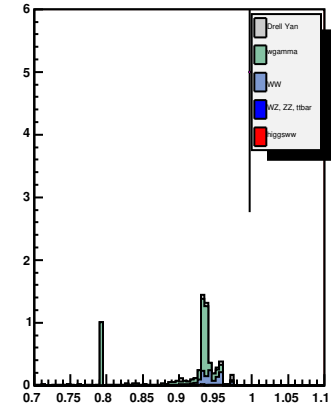

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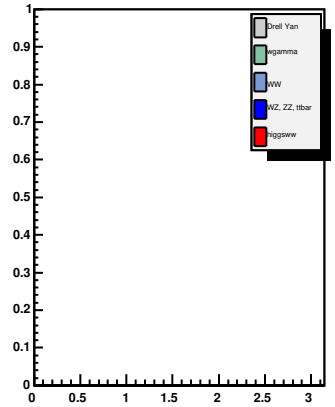

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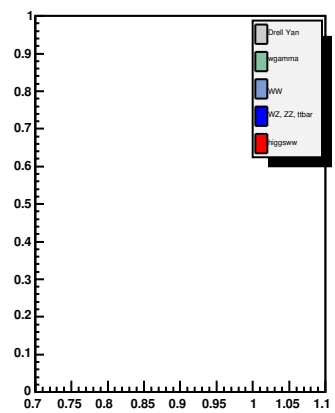

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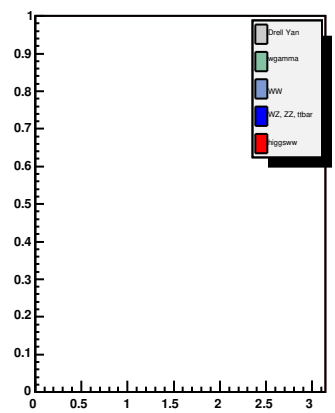

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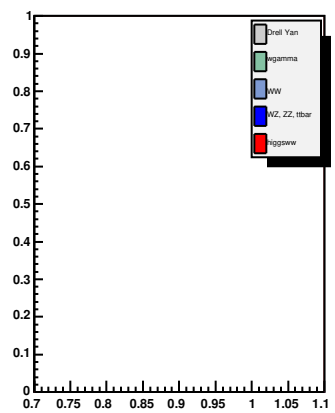

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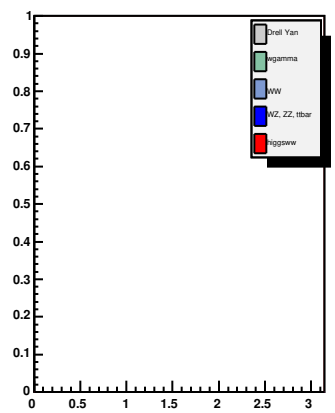

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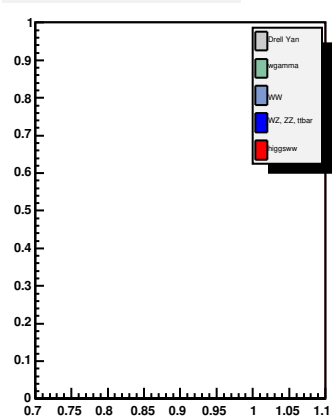
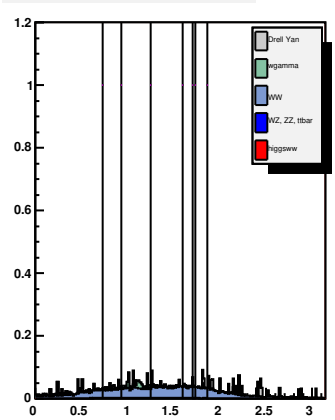


SBHs-TCE_CMUP dilDphilike



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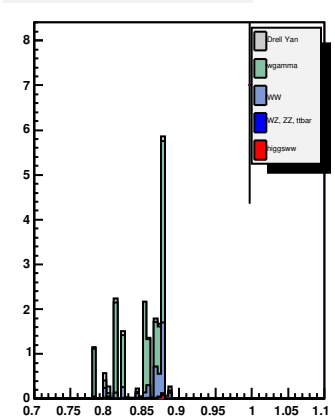

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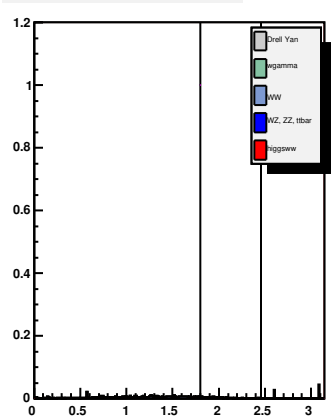

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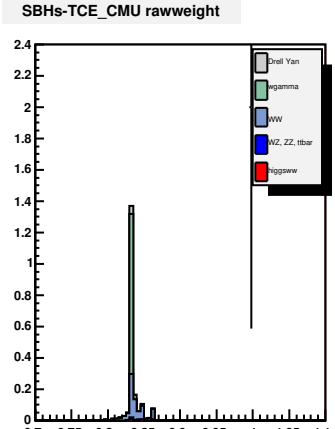

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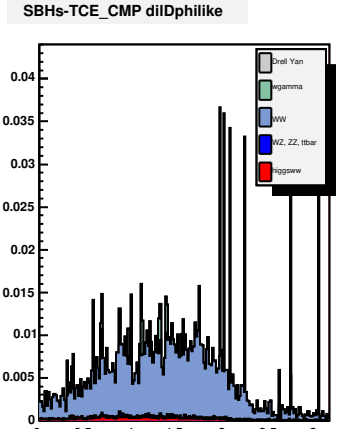

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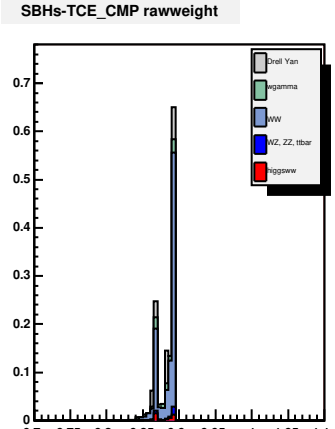

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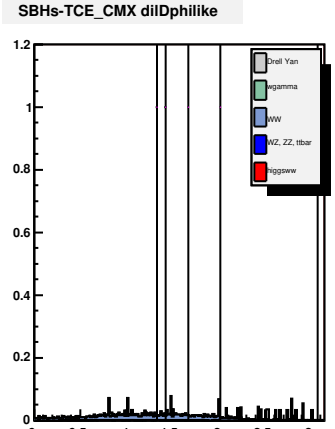

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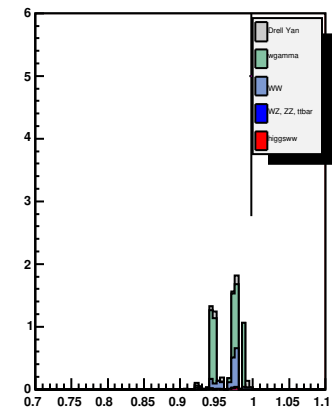

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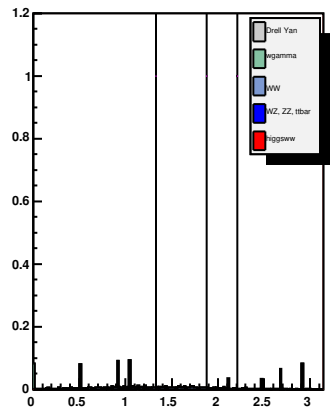

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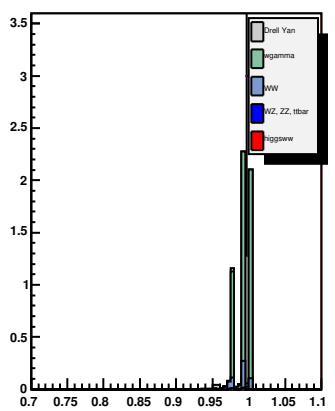

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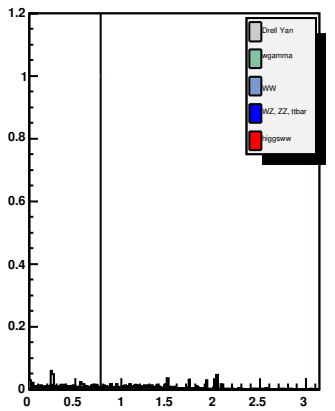

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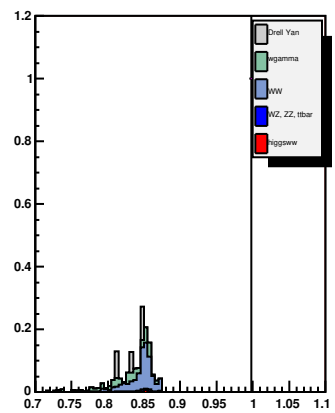

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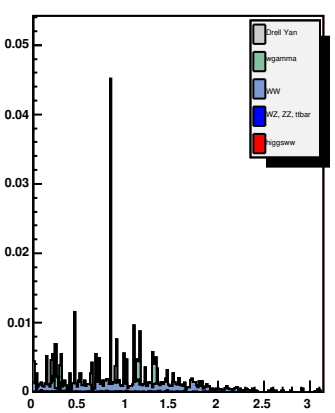

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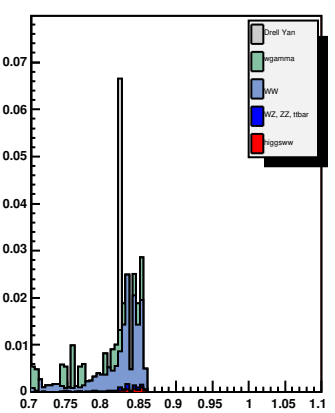

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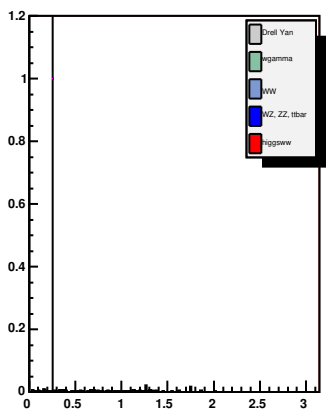

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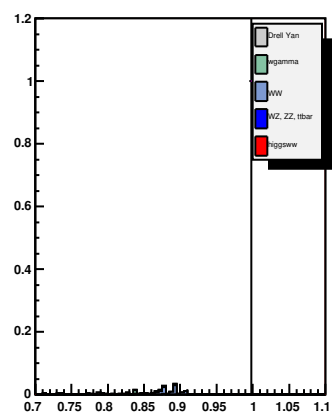

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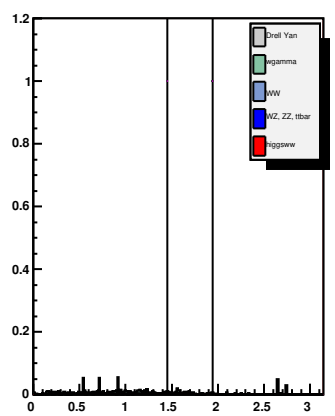

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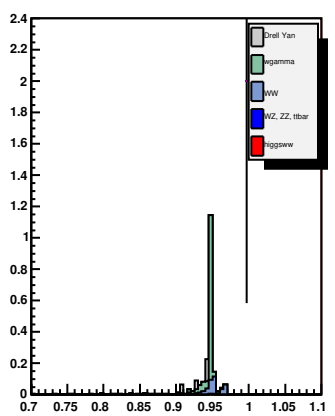

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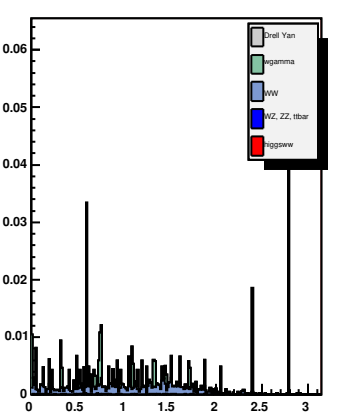

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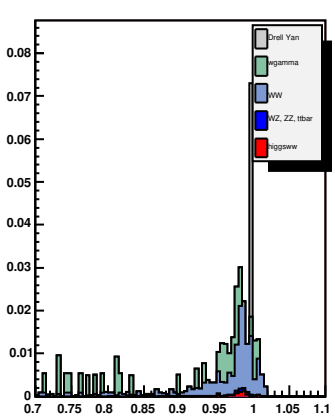

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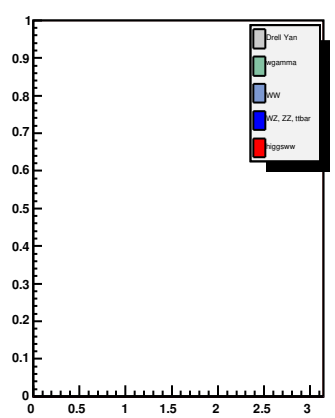

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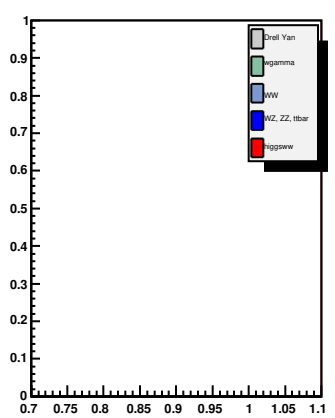

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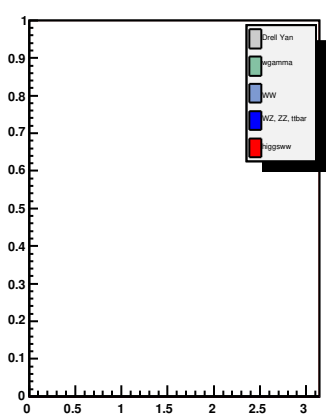

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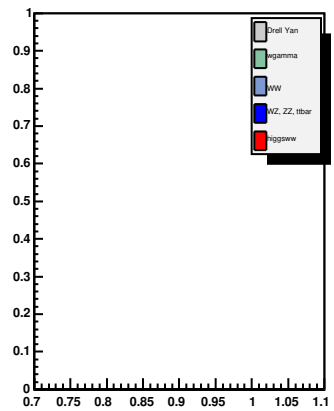

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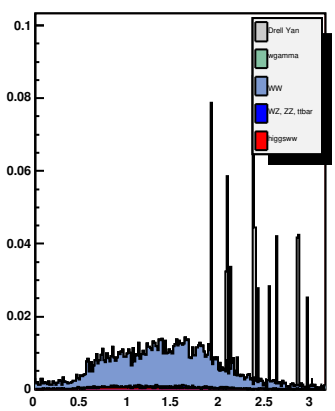

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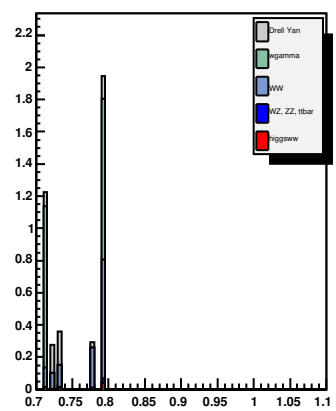

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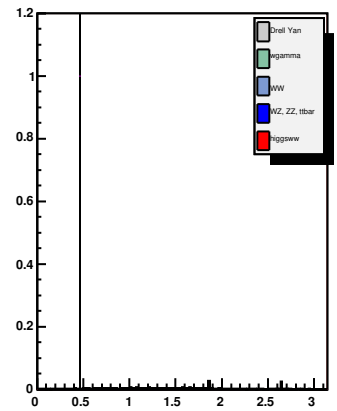

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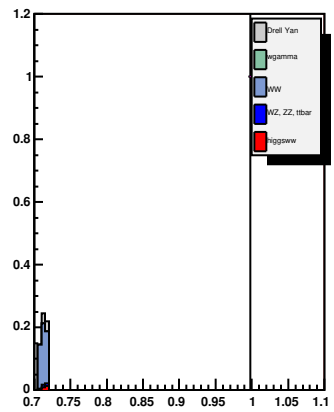

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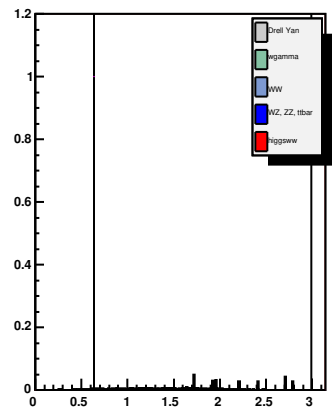

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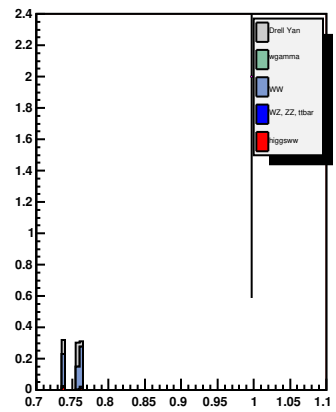
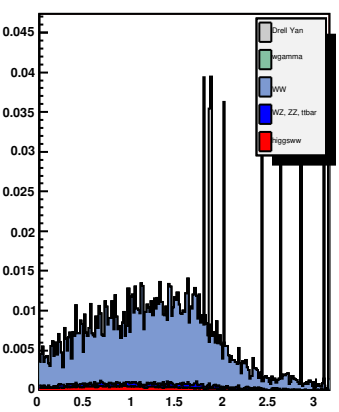


SBHs-CMUP_CMX dilDphilike



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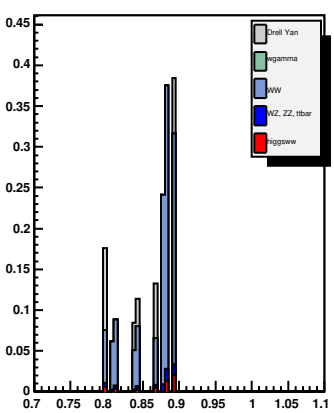

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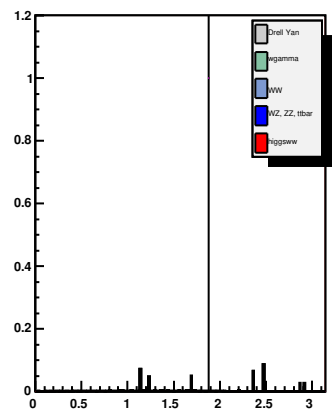

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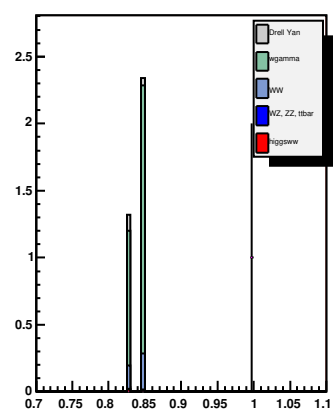

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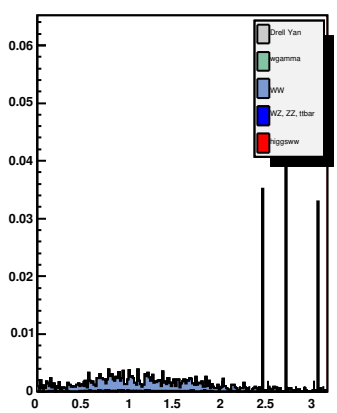

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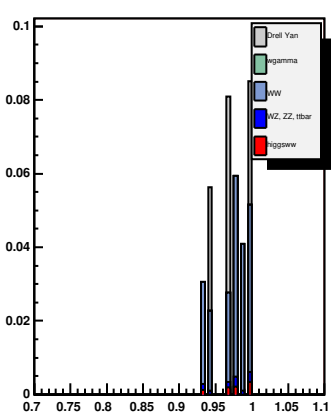
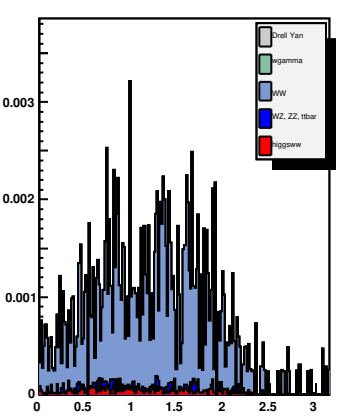


SBHs-CMX_CMU dilDphilike



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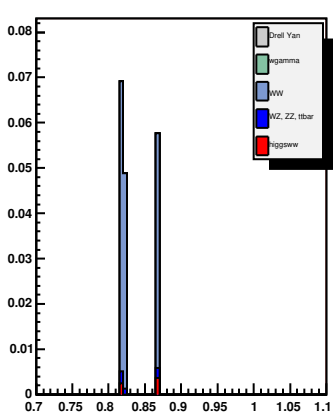

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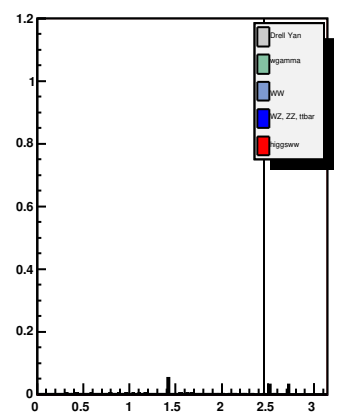

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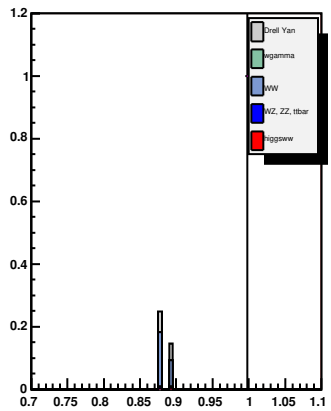

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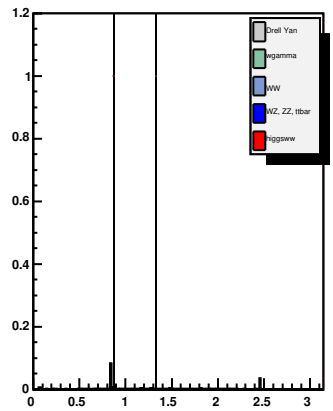

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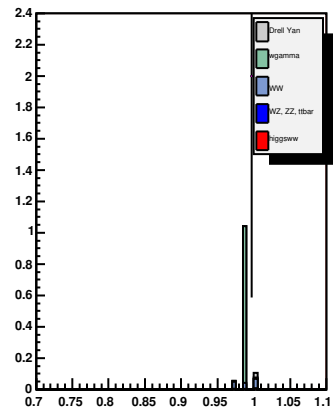

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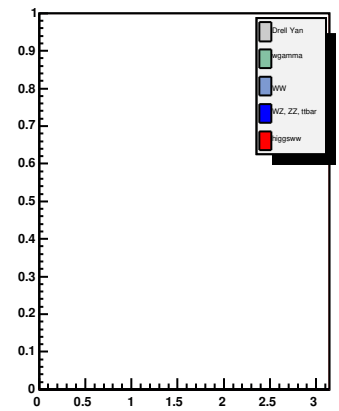

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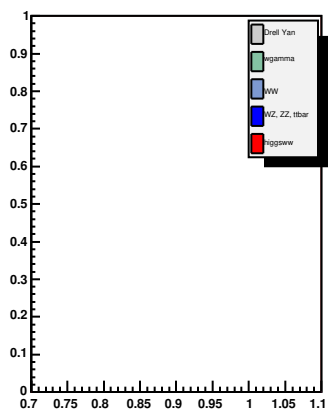

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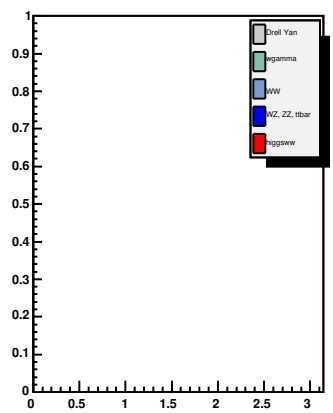

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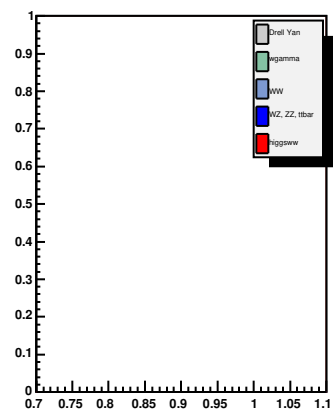

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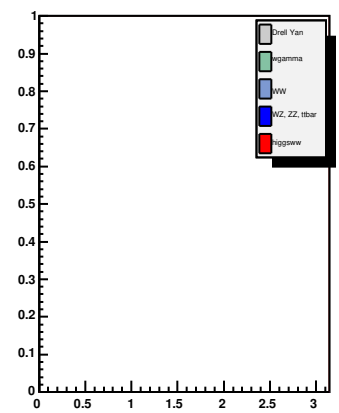

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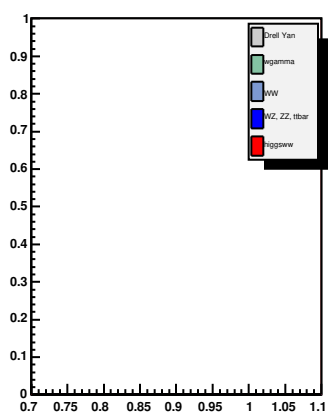

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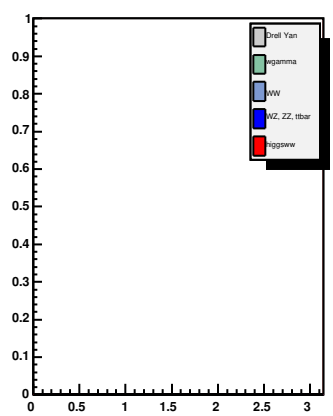

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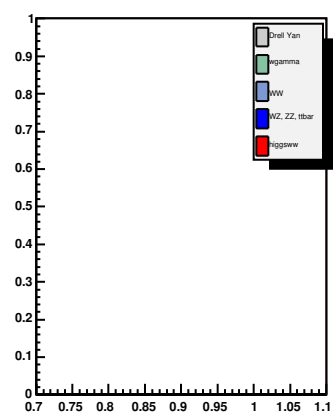

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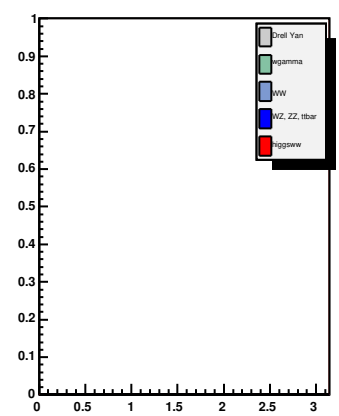

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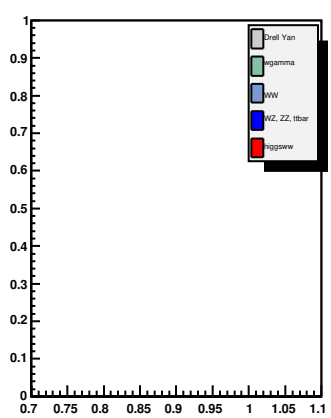

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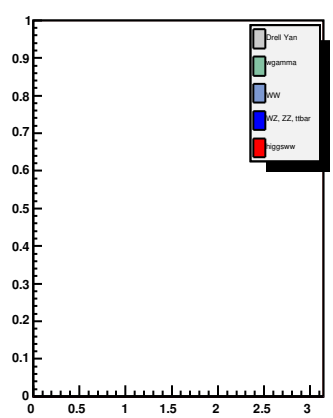

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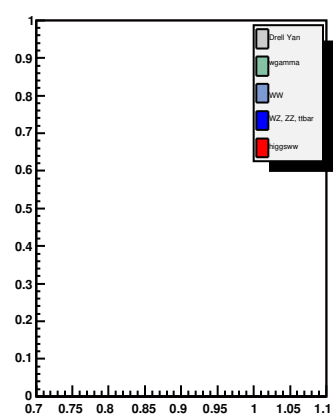

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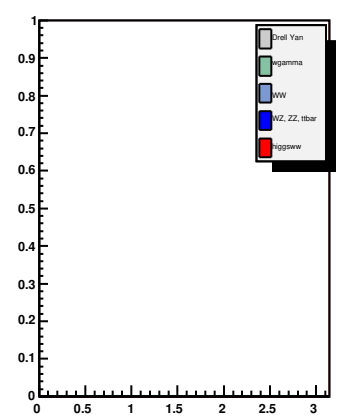

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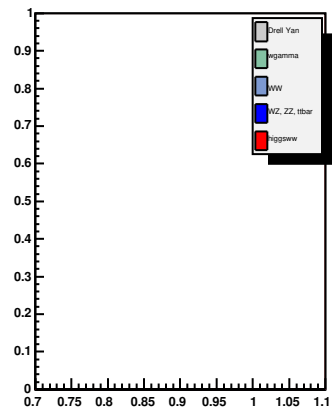

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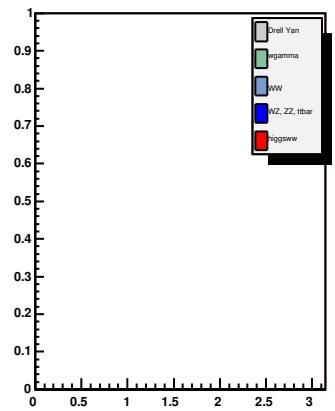

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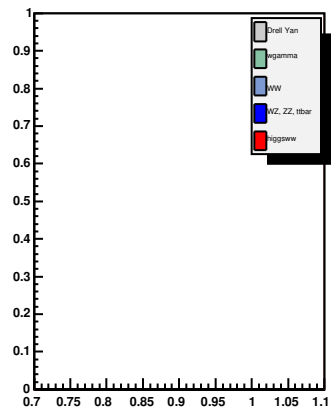

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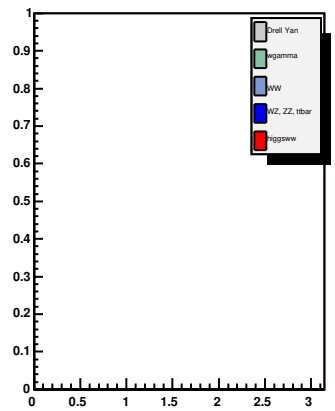

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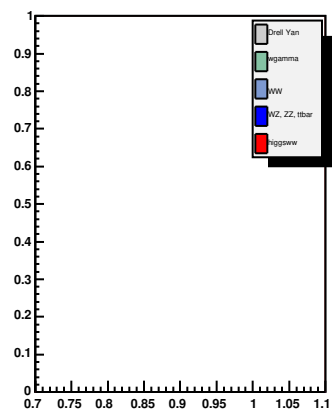

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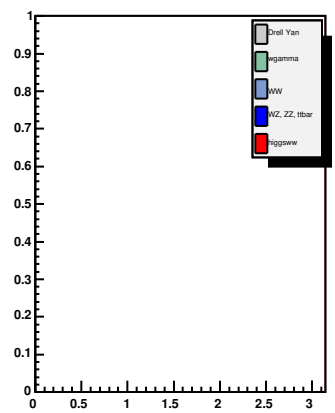

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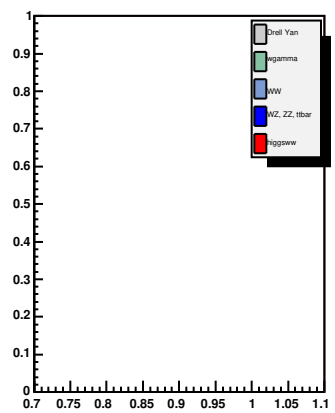

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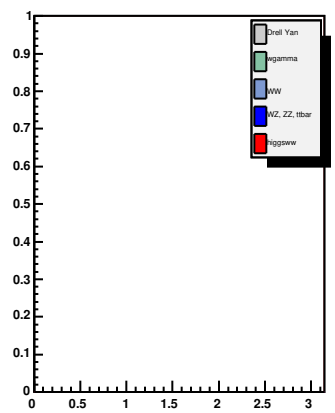

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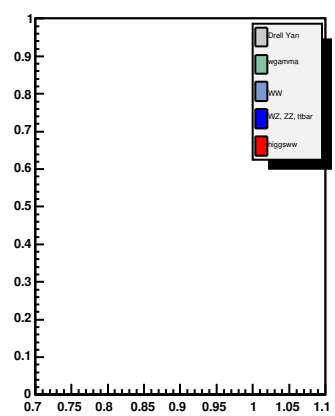

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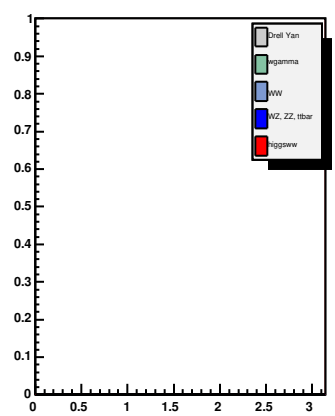

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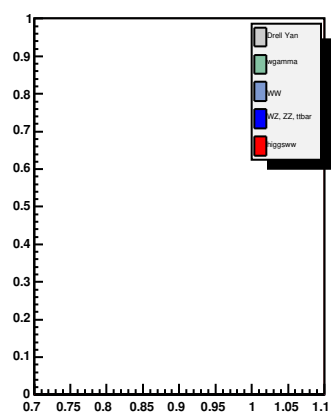

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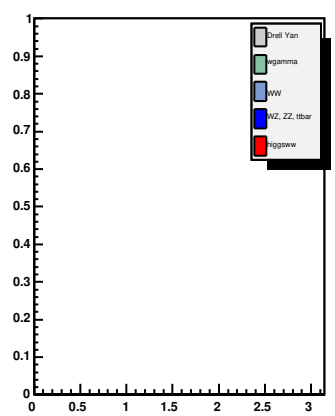

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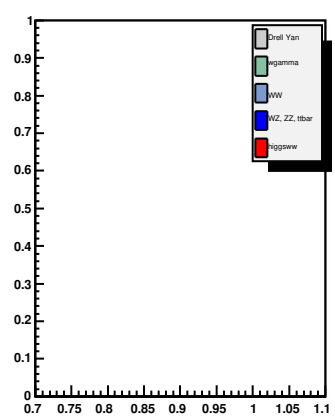

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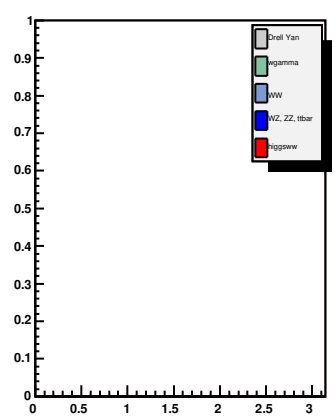

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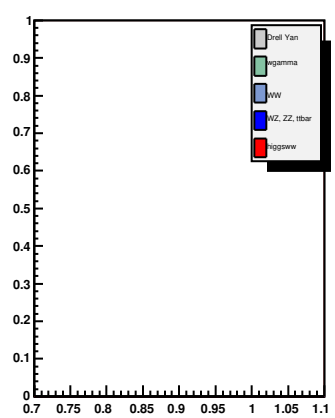

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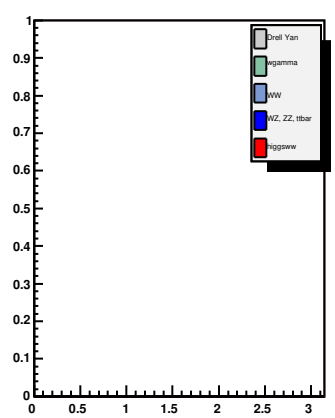

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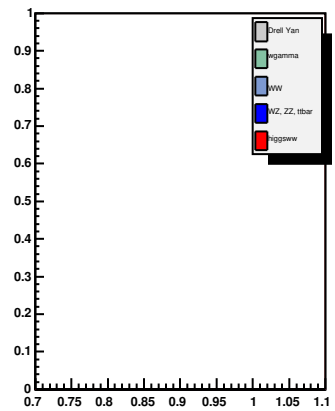
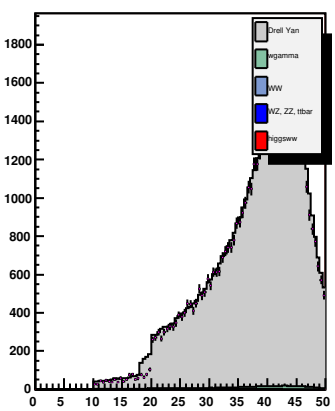


SBHs-TCE leptonET



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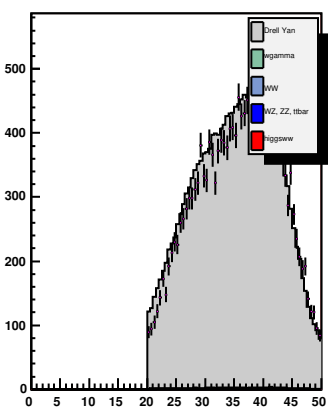

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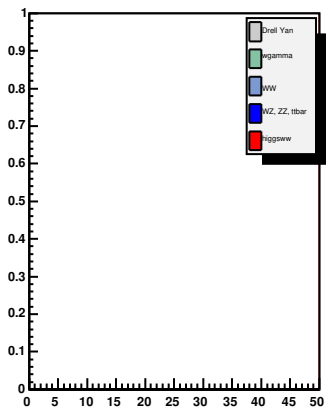

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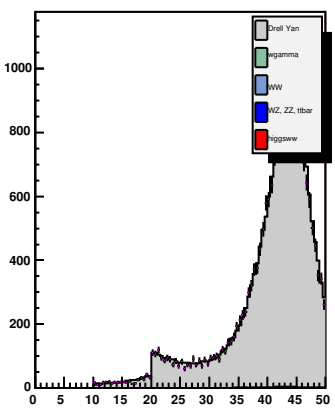

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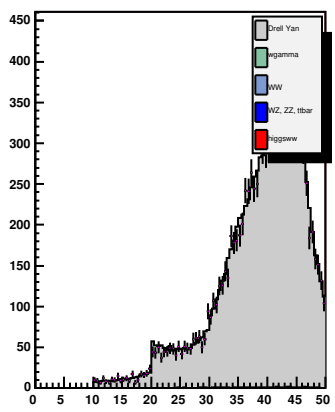

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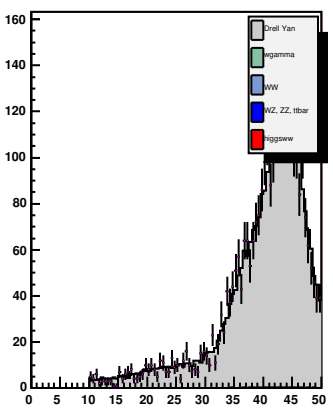

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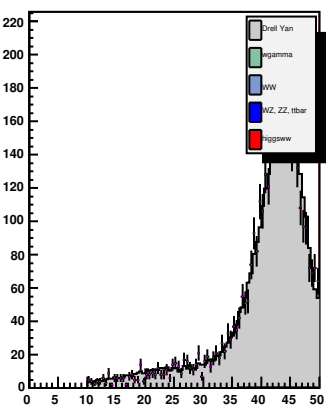

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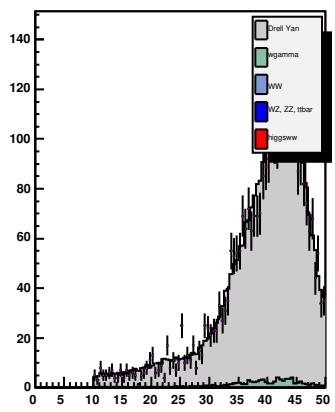

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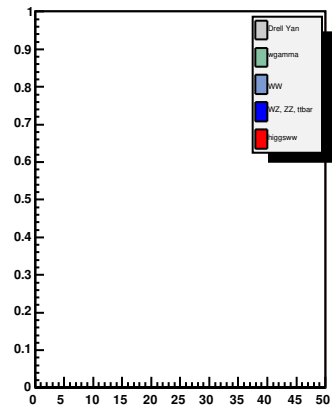
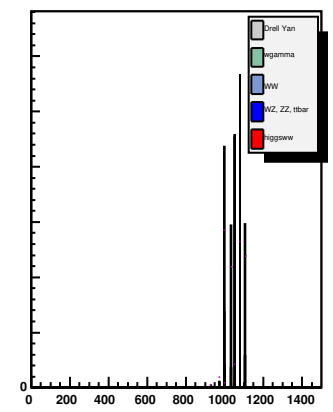
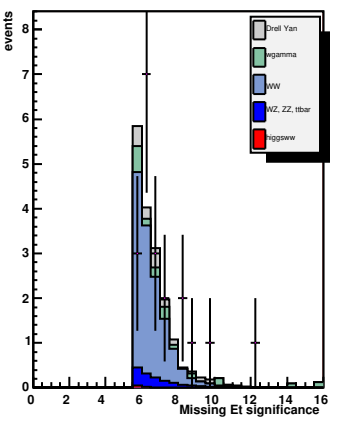


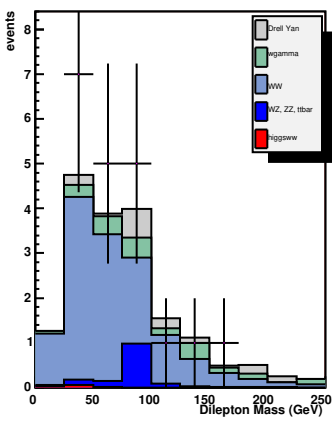
SBHs-luminosity



SBHs-WW missing Et significance



SBHs-WW dilepton mass



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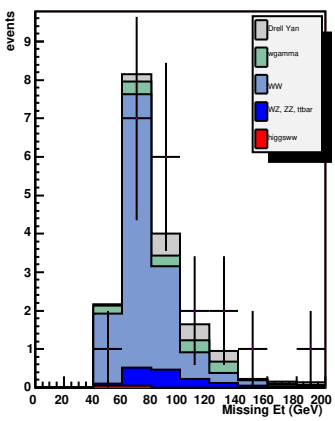

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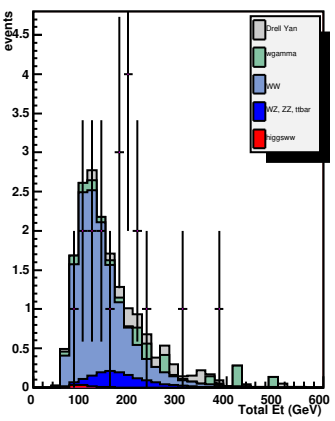
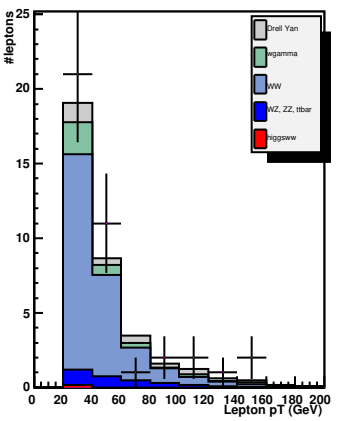
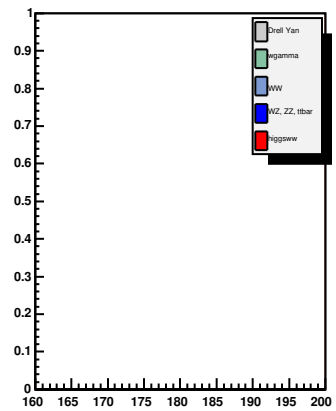


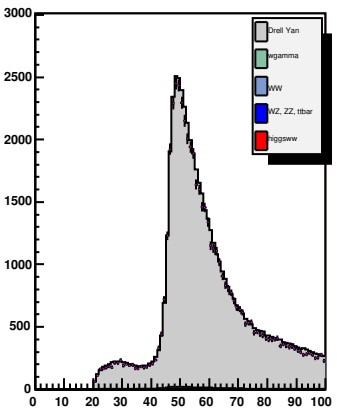
SBHs-WW lepton pT



SBHs-mattest



SBHs-NN Variable LepAEn



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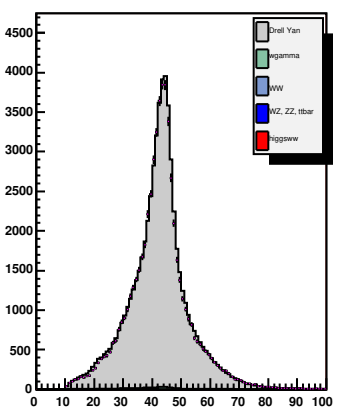

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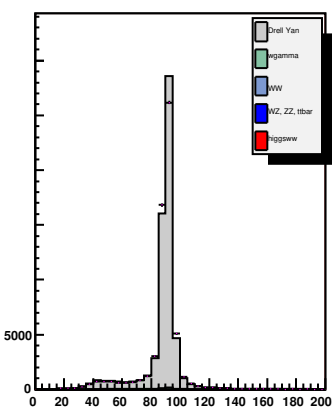
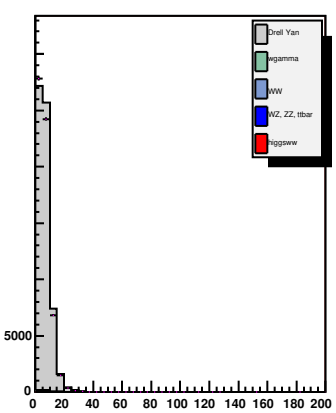


SBHs-NN Variable metmag



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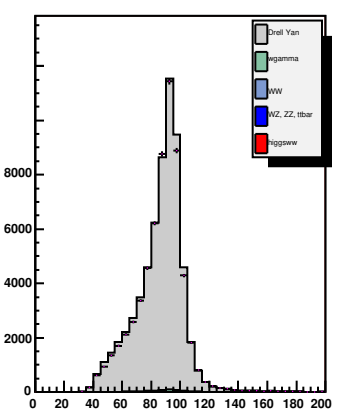

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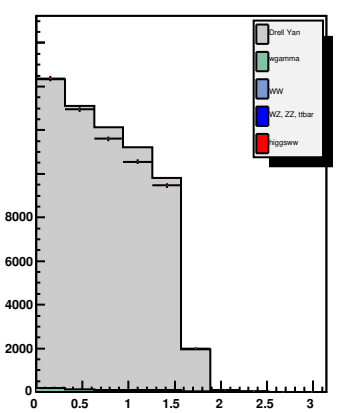

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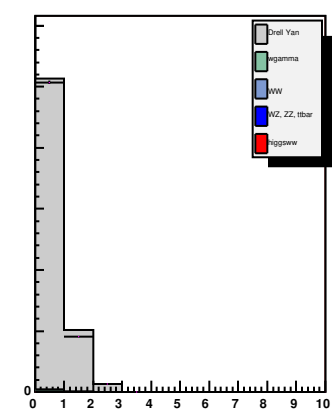

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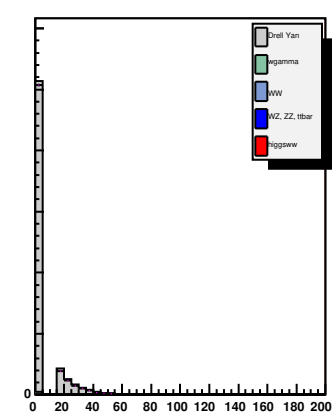

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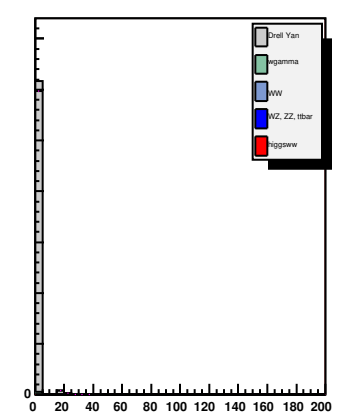

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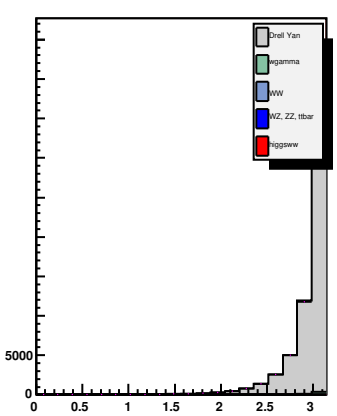

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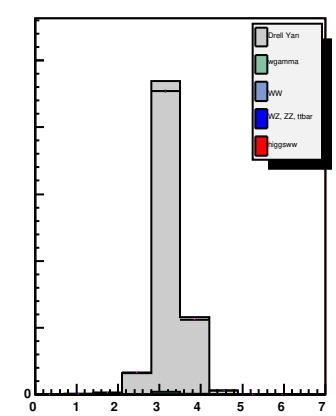

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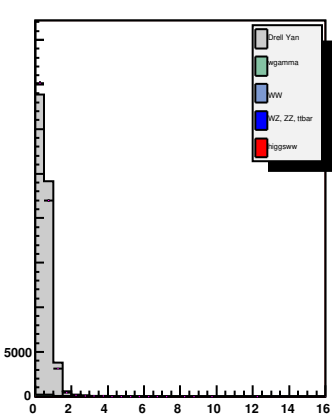

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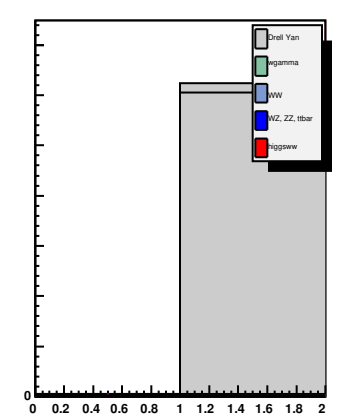
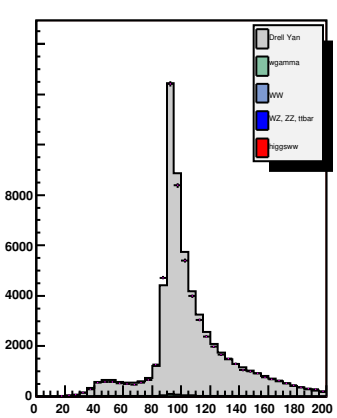


SBHs-NN Variable Mt_ll



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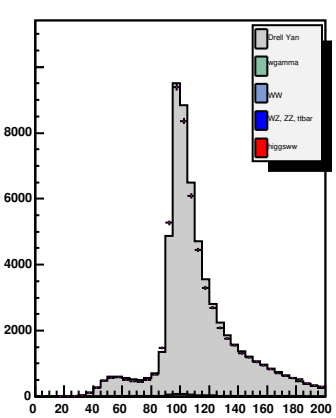

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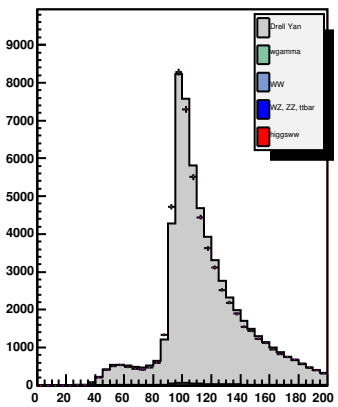

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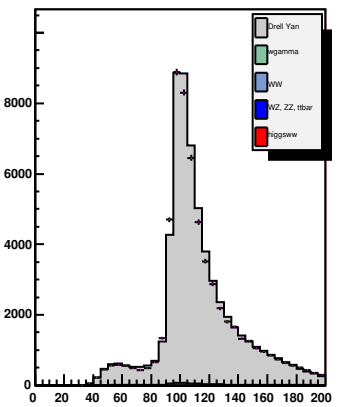

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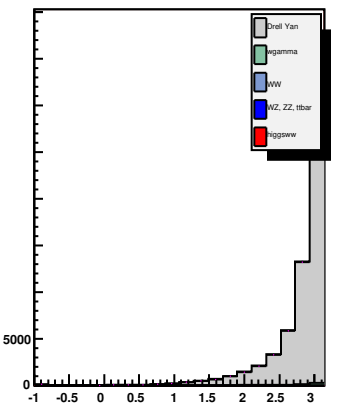
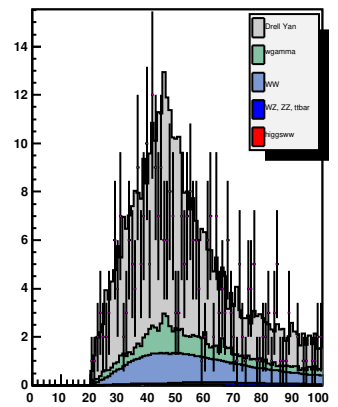


SBHs-NN Variable Metsig cut LepAEn



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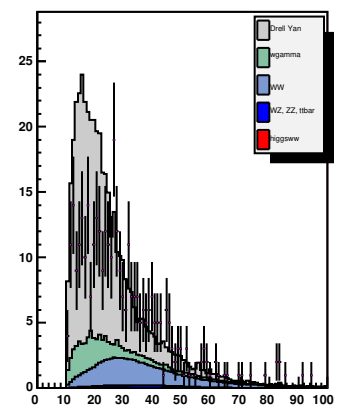

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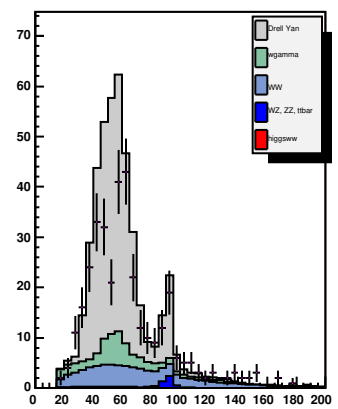

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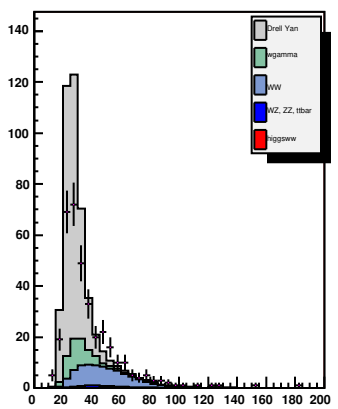

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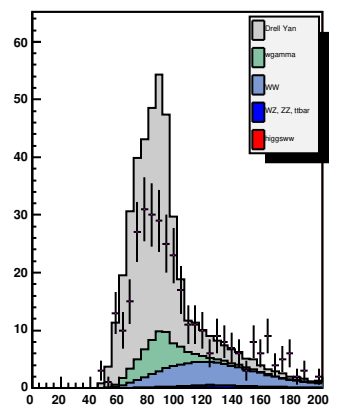

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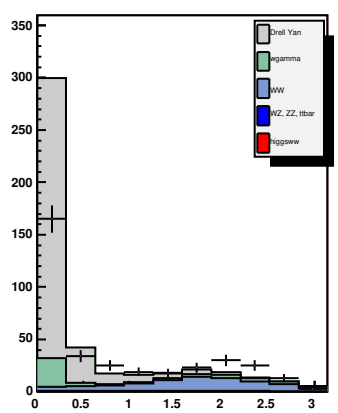

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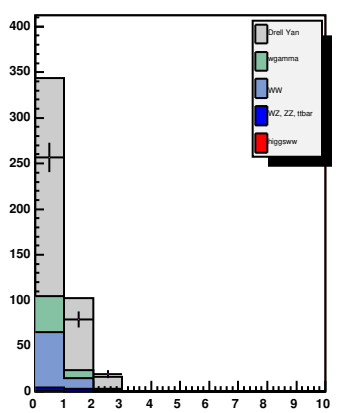

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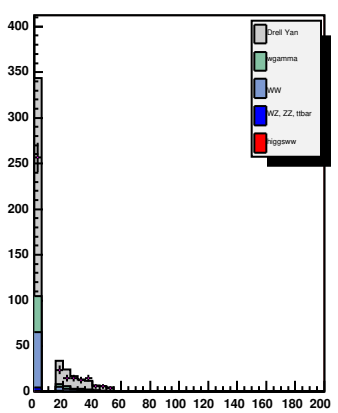

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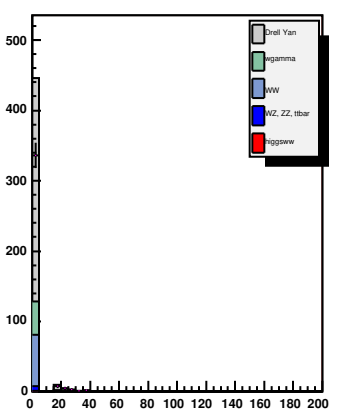

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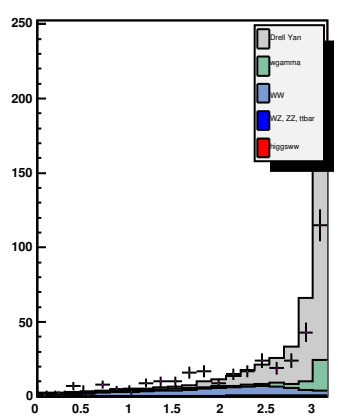

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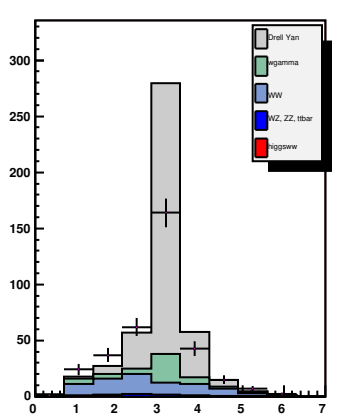

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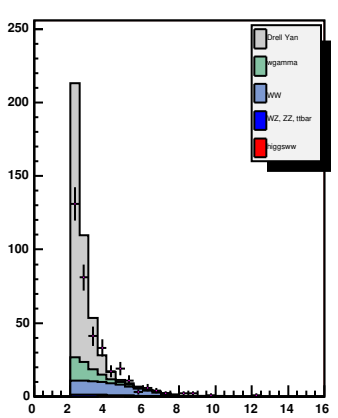

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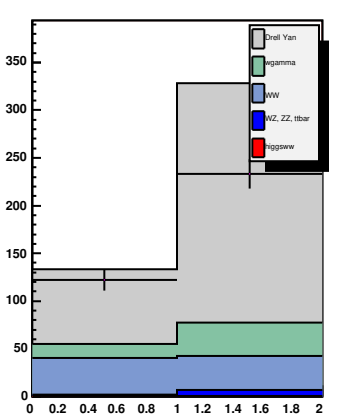

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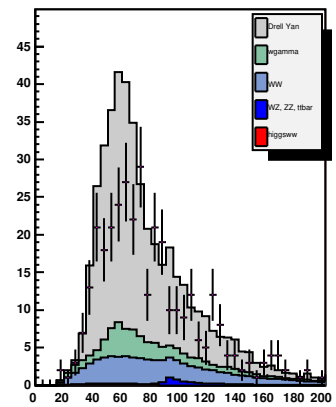

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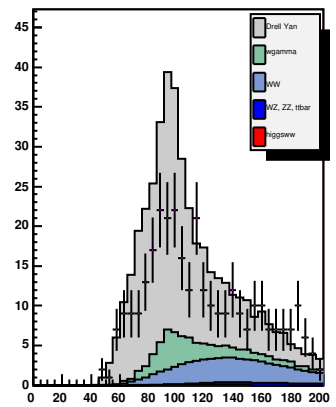

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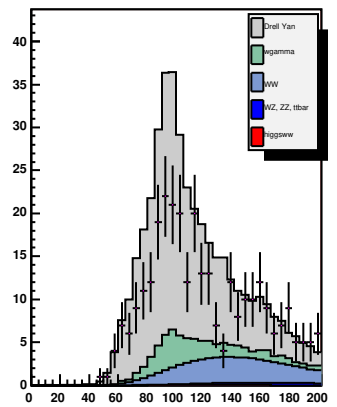

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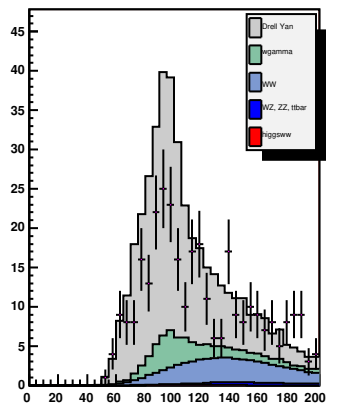

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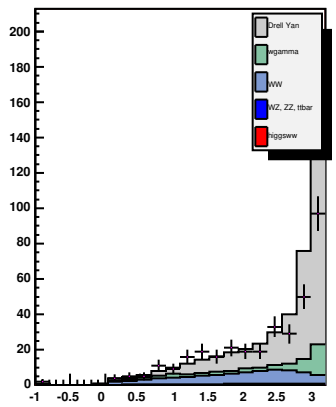
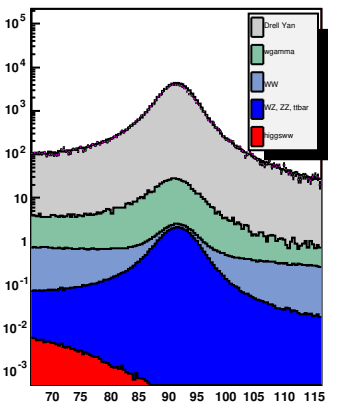
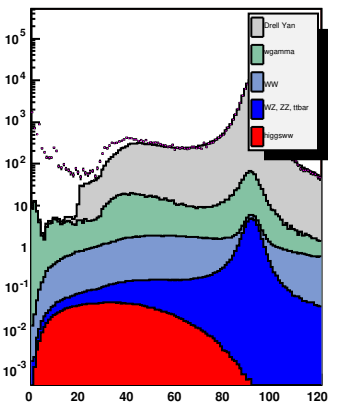


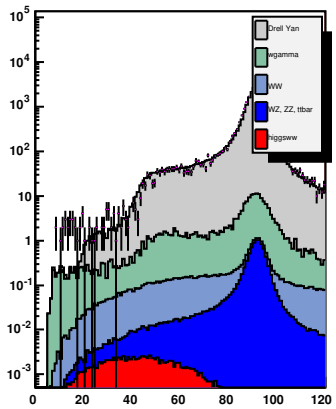
SBHs-dilepton masses for Z peak



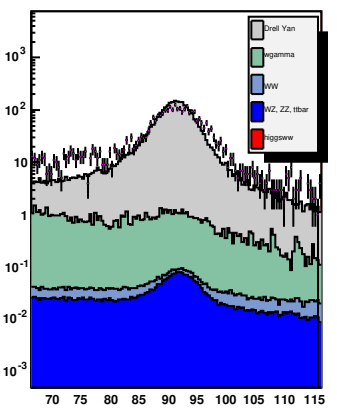
SBHs-dilepton masses for Z peak



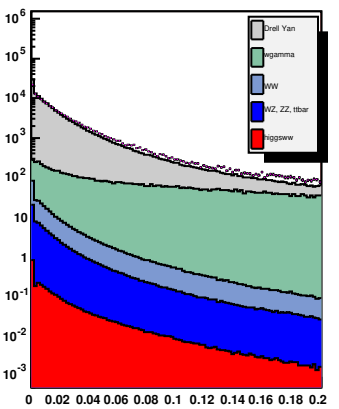
SBHs-dilepton masses for TCE-PHX Z peak



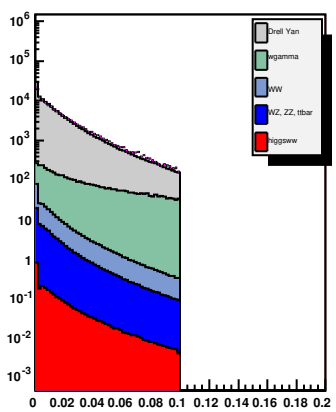
SBHs-same sign dilepton masses



SBHs-before lepton calorimeter isolation cut



SBHs-after lepton calorimeter isolation cut



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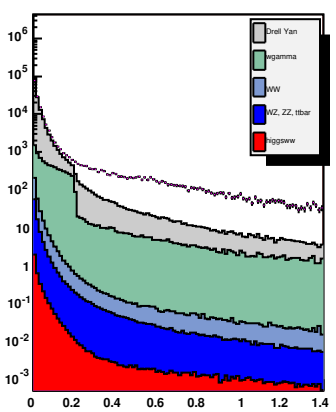
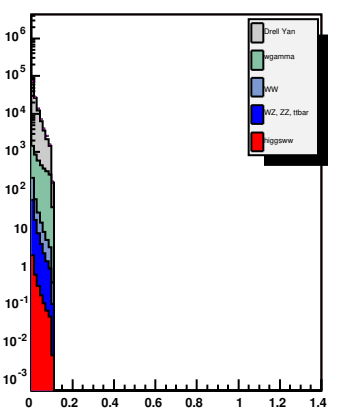
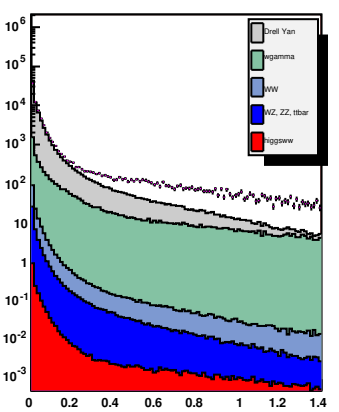


SBHs-after lepton calorimeter isolation cut



SBHs-TCE Trk Isolation



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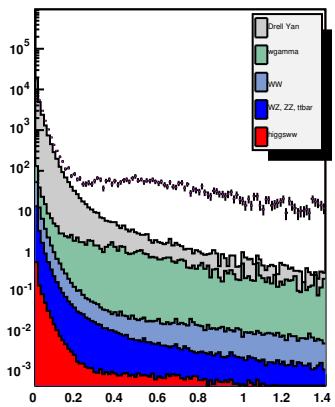
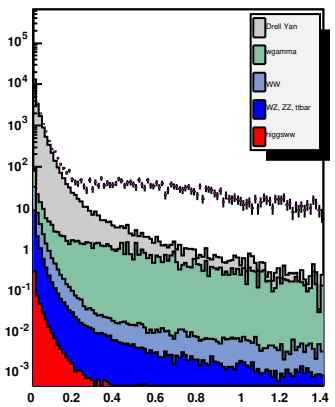
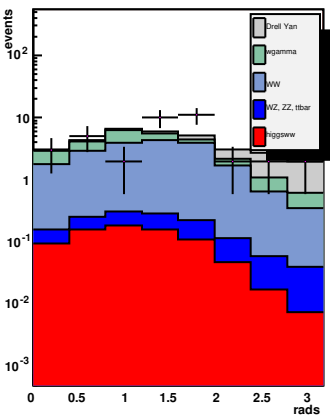


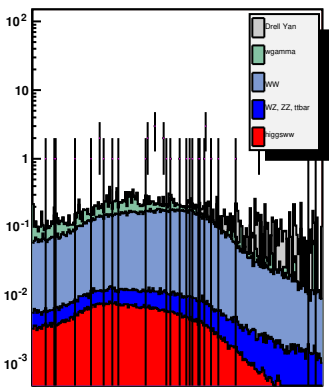
SBHs-CMX Trk Isolation



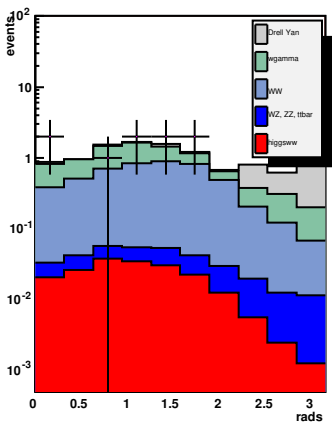
SBHs-lepton angular separation

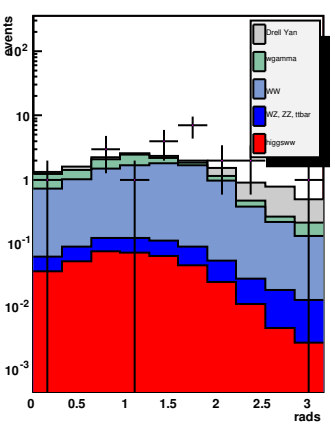


SBHs-dildphi in ALLfor like

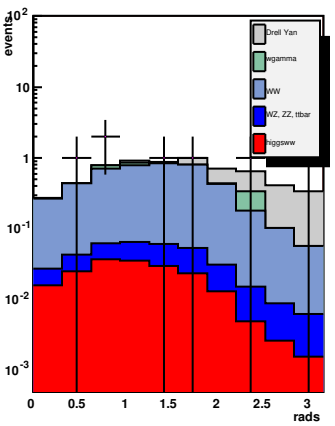


SBHs-lepton angular separation of electrons

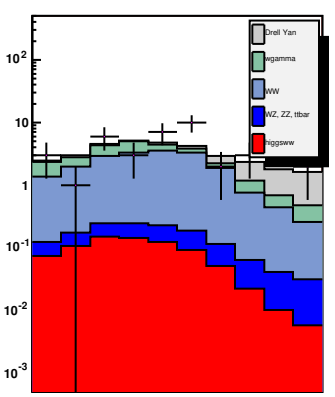




SBHs-lepton angular separation of muons



SBHs-dildphi in ALL



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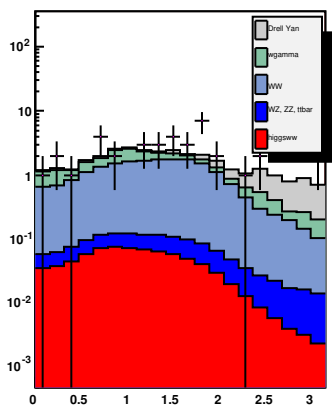
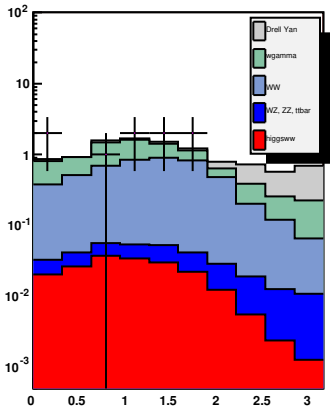
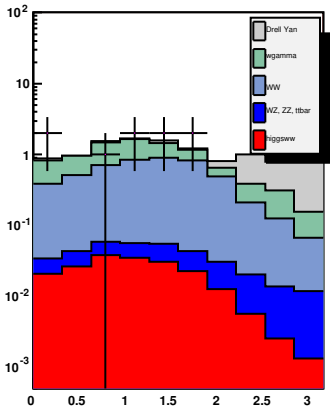


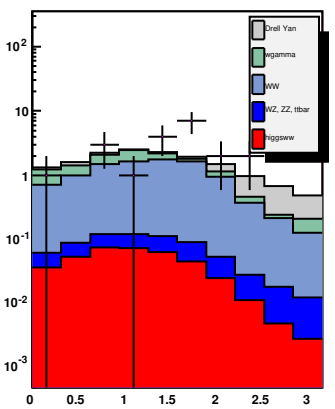
SBHs-dphi of electrons, high JES



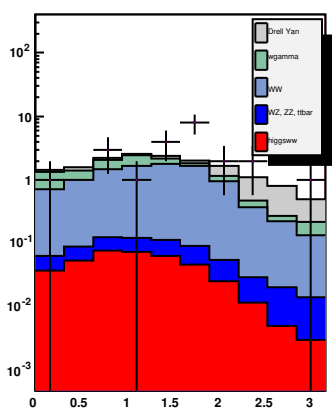
SBHs-dphi of electrons, low JES



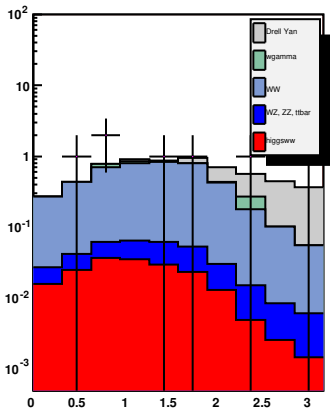
SBHs-dphi of electron and muon, high JES



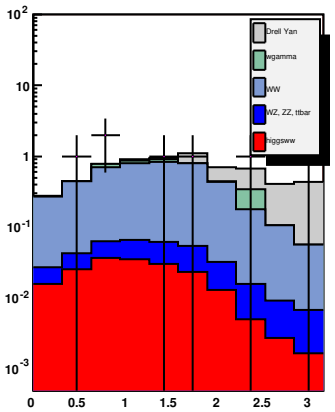
SBHs-dphi of electron and muon, low JES



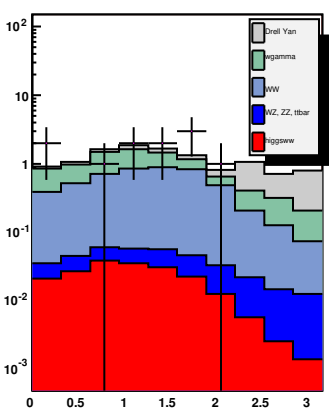
SBHs-dphi of muons, high JES



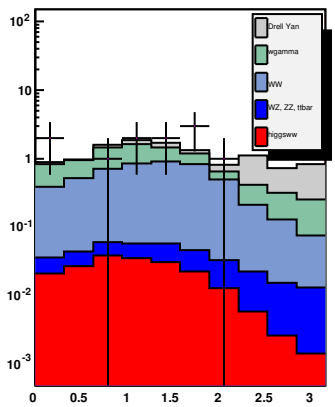
SBHs-dphi of muons, low JES



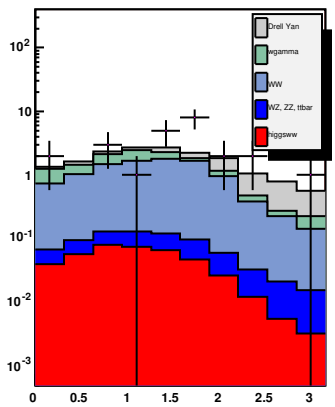
SBHs-dphi of electrons, high LES



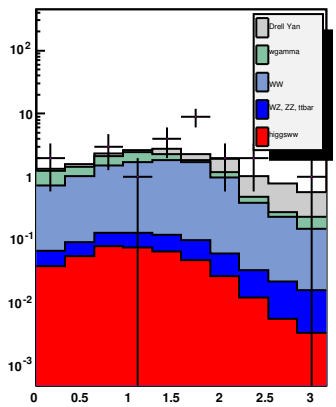
SBHs-dphi of electrons, low LES



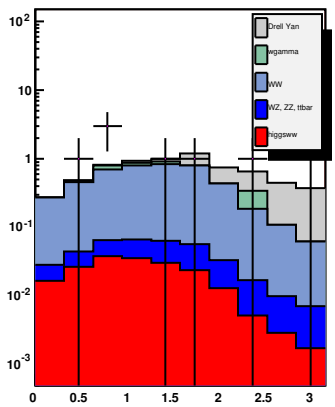
SBHs-dphi of electron and muon, high LES



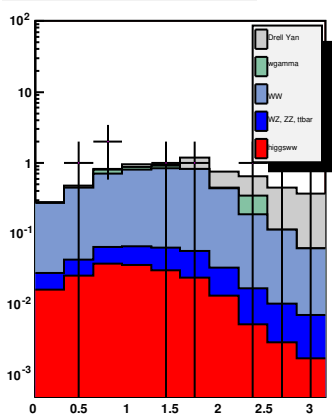
SBHs-dphi of electron and muon, low LES



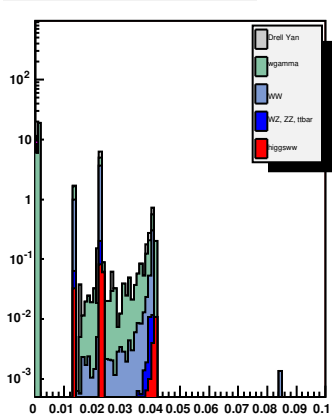
SBHs-dphi of muons, high LES



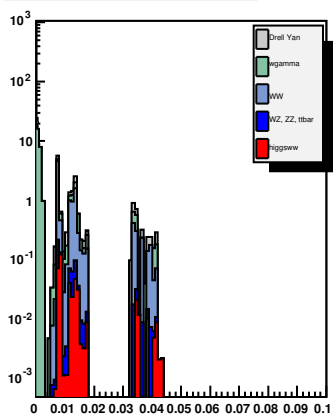
SBHs-dphi of muons, low LES



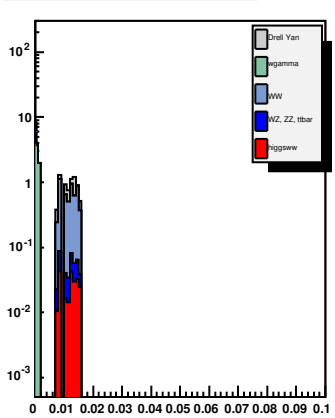
SBHs-Relative Weights Error for electrons



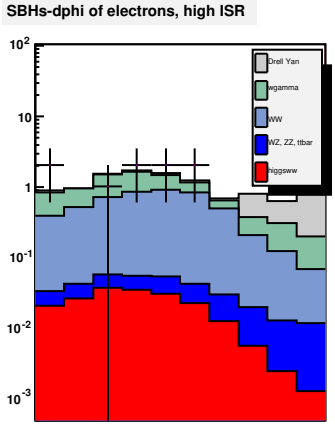
SBHs-Relative Weights Error for electron and muon



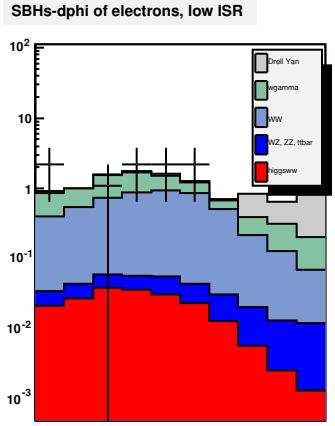
SBHs-Relative Weights Error for muons



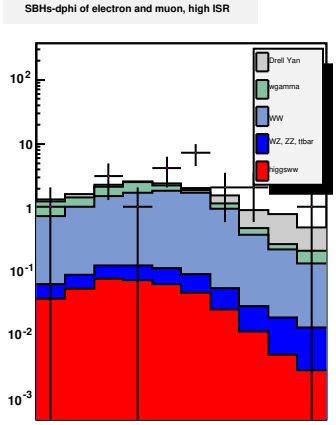
SBHs-dphi of electrons, high ISR



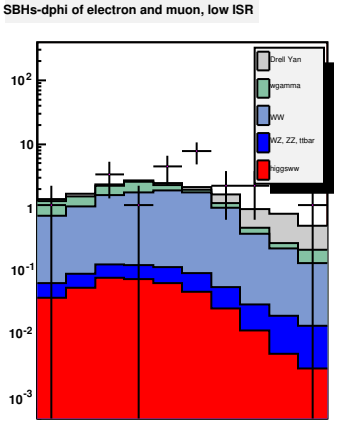
SBHs-dphi of electrons, low ISR



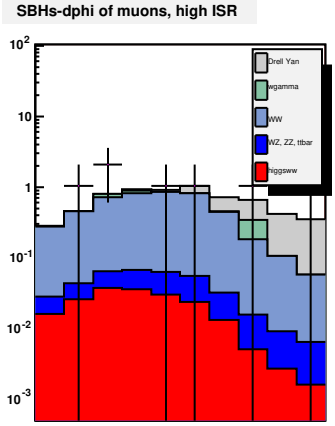
SBHs-dphi of electron and muon, high ISR



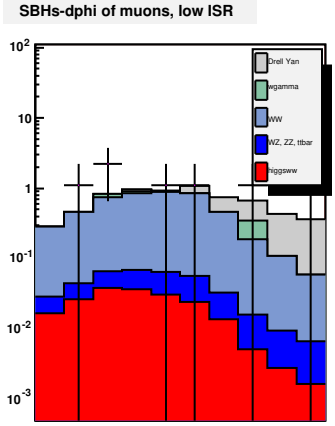
SBHs-dphi of electron and muon, low ISR



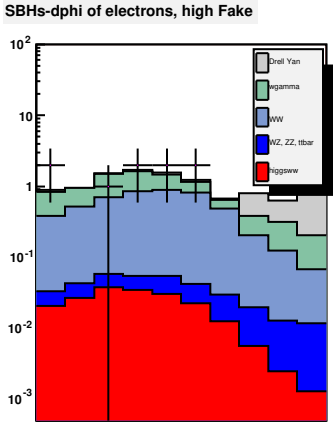
SBHs-dphi of muons, high ISR



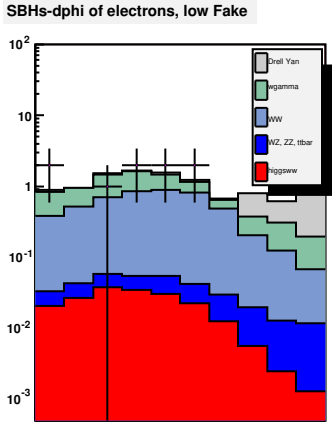
SBHs-dphi of muons, low ISR



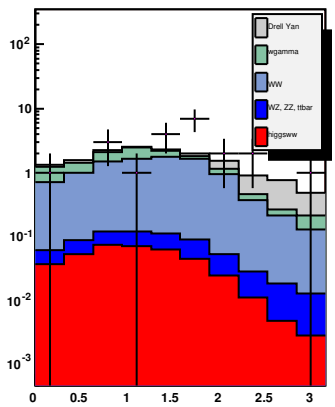
SBHs-dphi of electrons, high Fake



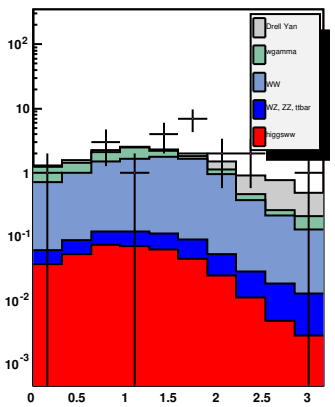
SBHs-dphi of electrons, low Fake



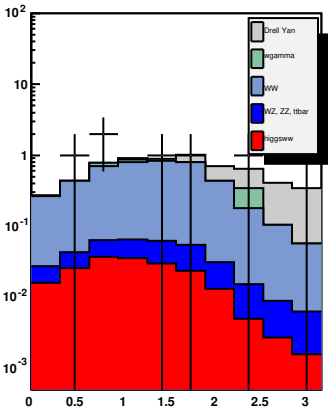
SBHs-dphi of electron and muon, high Fake



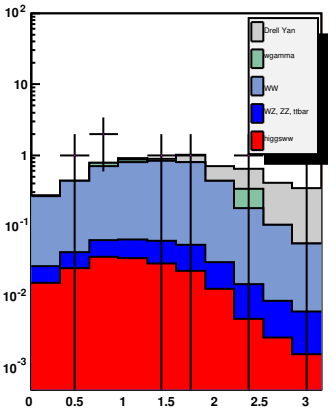
SBHs-dphi of electron and muon, low Fake



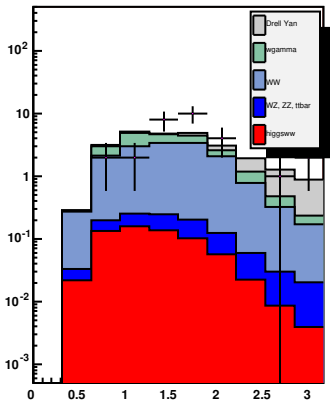
SBHs-dphi of muons, high Fake



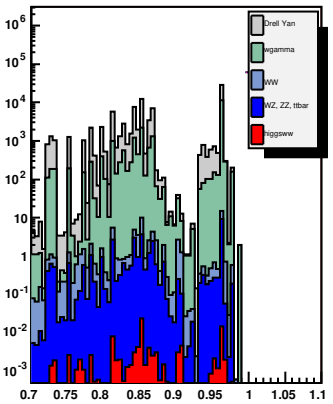
SBHs-dphi of muons, low Fake



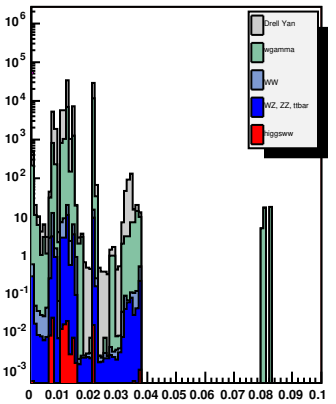
SBHs-dilepton dR



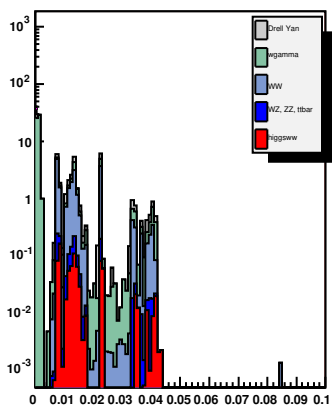
SBHs-Weight forALL



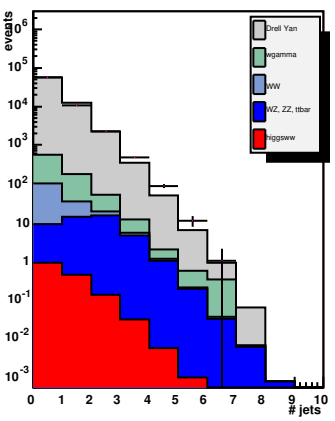
SBHs-Weight Error for ALL



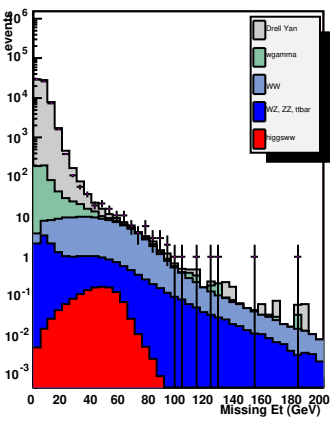
SBHs-Relative Weight Error for ALL



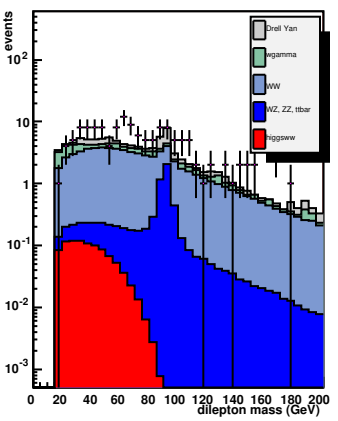
SBHs-Number of Jets in before Jet cut



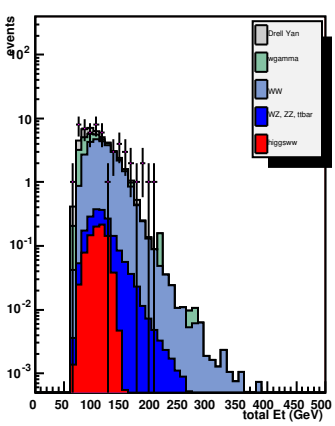
SBHs-Missing Et before missing et cut



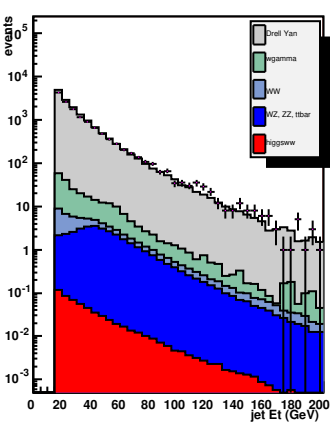
SBHs-dilepton mass before dilepton mass cut



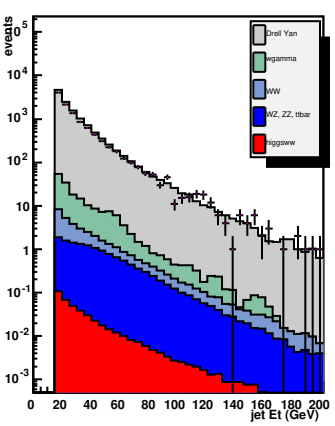
SBHs-total Et in before total et cut



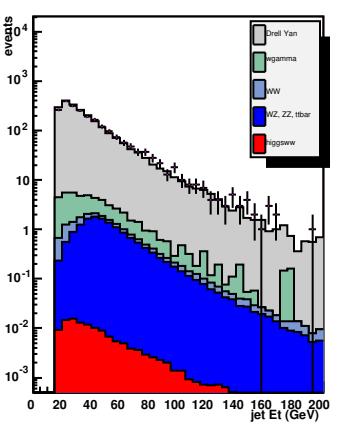
SBHs-Lead jet Et for all jets before Jet cut



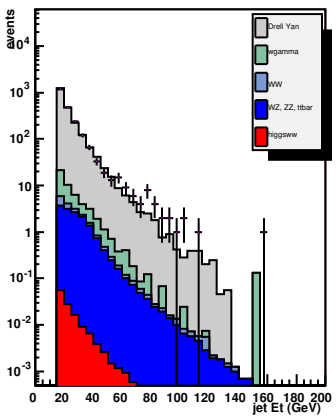
SBHs-Lead jet Et for one jet before Jet cut



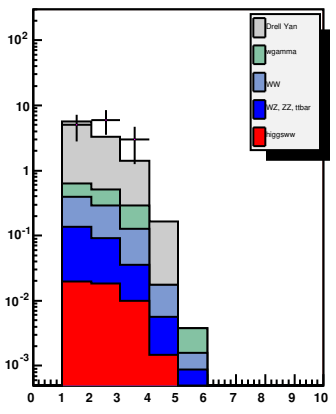
SBHs-Lead jet Et for two jets in before Jet cut



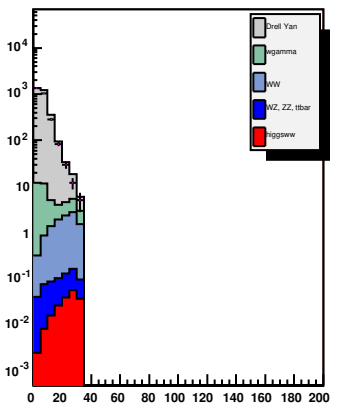
SBHs-Second jet Et for two jets before Jet cut



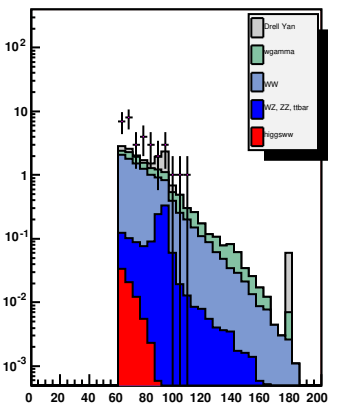
SBHs-Number of Jets inALL in Nm1 Jet cut



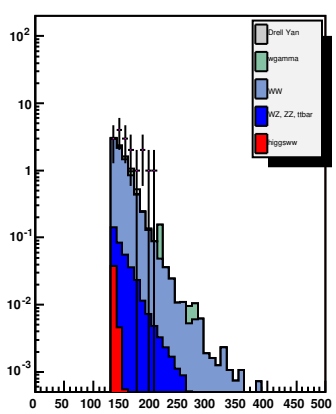
SBHs-Missing Et inALL in Nm1 missing et cut



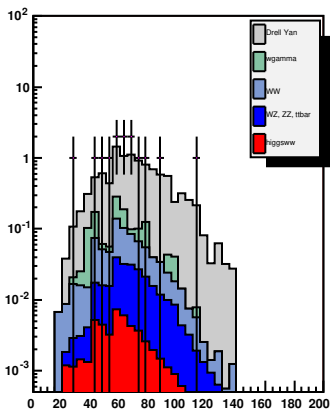
SBHs-dil mass inALL in Nm1 dil mass max cut



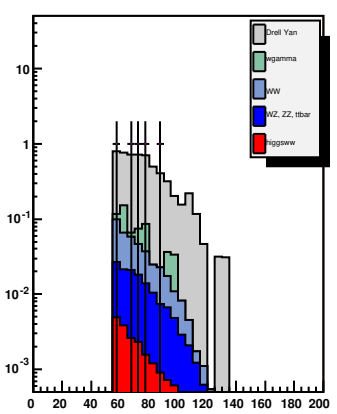
SBHs-total et inALL in Nm1 total et cut



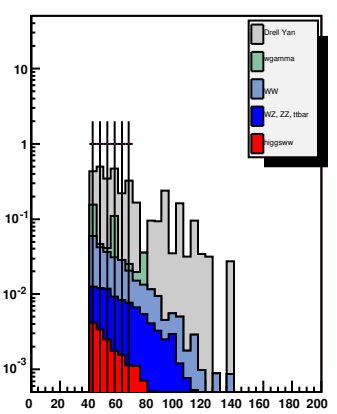
SBHs-Lead jet Et for all jets inALL in Nm1 Jet cut



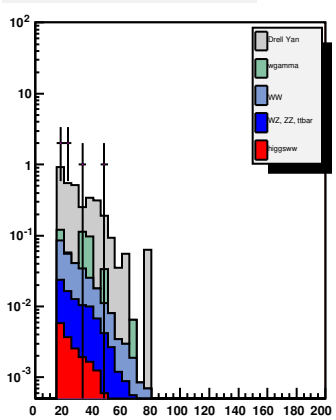
SBHs-Lead jet Et for one jet in ALL in Nm1 Jet cut



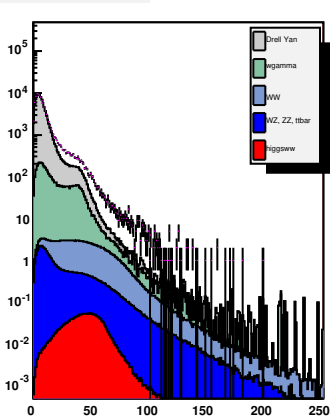
SBHs-Lead jet Et for two jets in ALL in Nm1 Jet cut



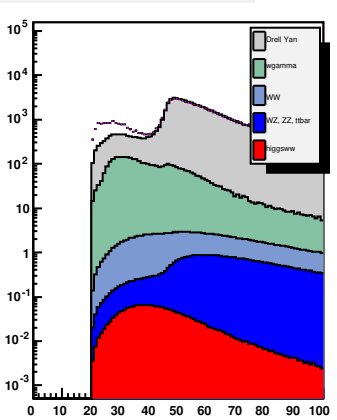
SBHs-Second jet Et for two jets in ALL in Nm1 Jet cut



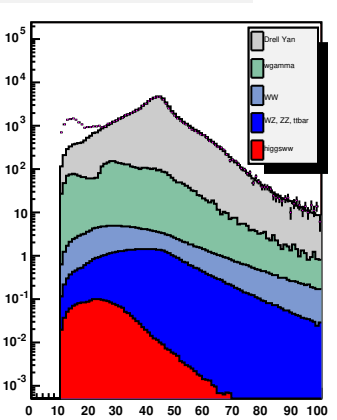
SBHs-Missing Et



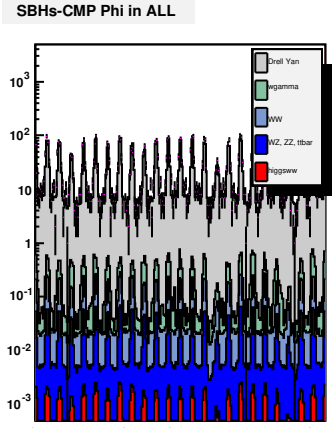
SBHs-highest lepton Et in ALL



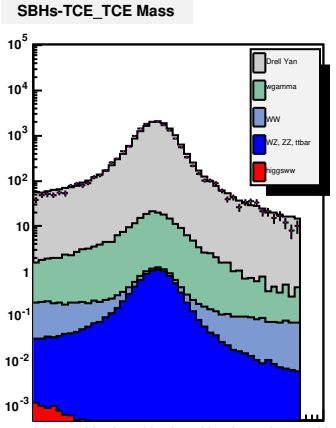
SBHs-secondhighest lepton Et in ALL



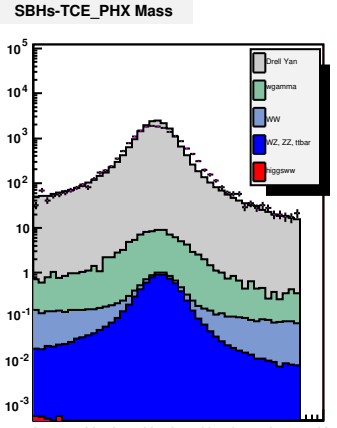
SBHs-CMP Phi in ALL



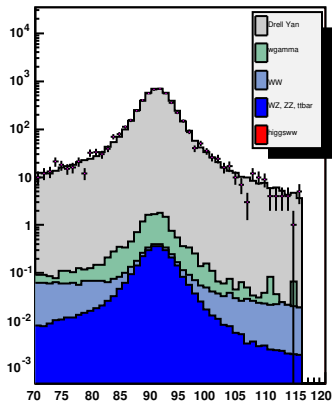
SBHs-TCE_TCE Mass



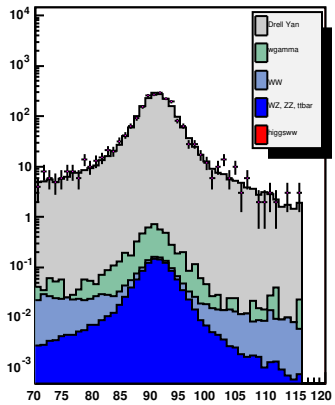
SBHs-TCE_PHX Mass



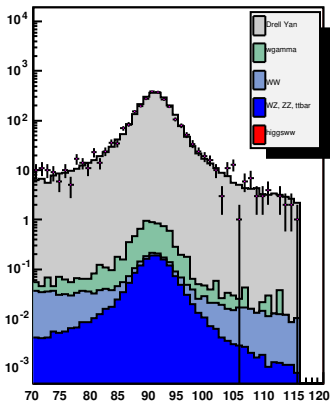
SBHs-CMUP_CMUP Mass



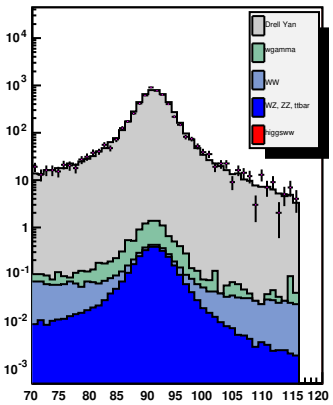
SBHs-CMUP_CMU Mass



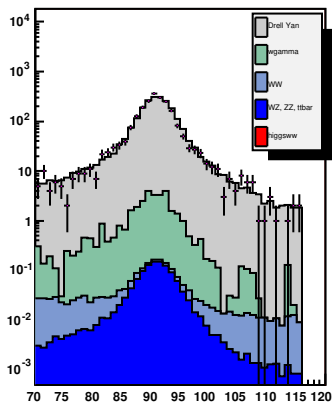
SBHs-CMUP_CMP Mass



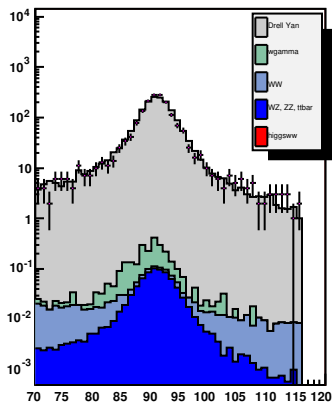
SBHs-CMUP_CMX Mass



SBHs-CMUP_CMIO Mass



SBHs-CMX_CMX Mass



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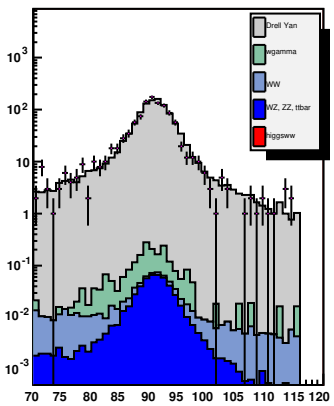

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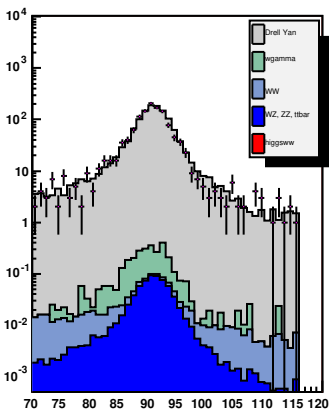

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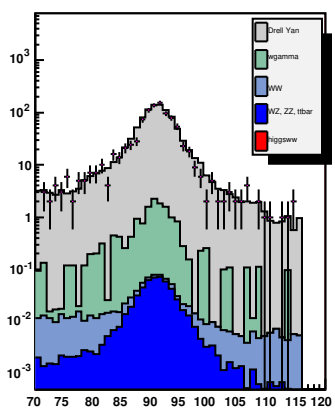

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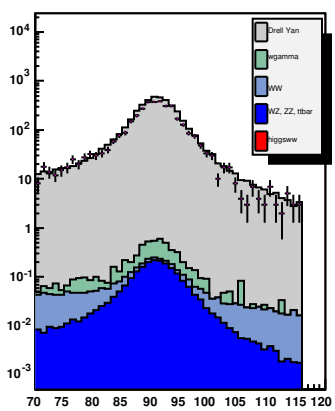

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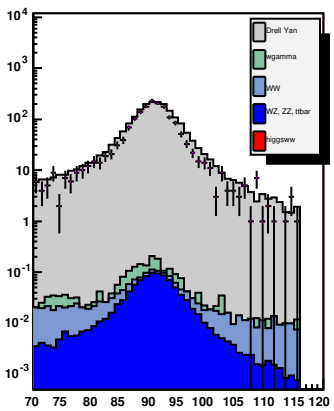

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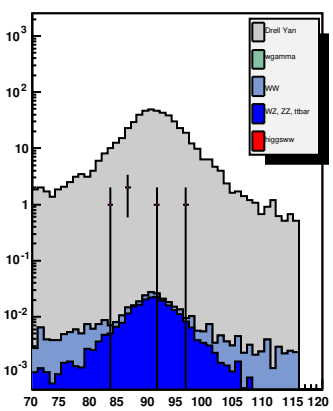

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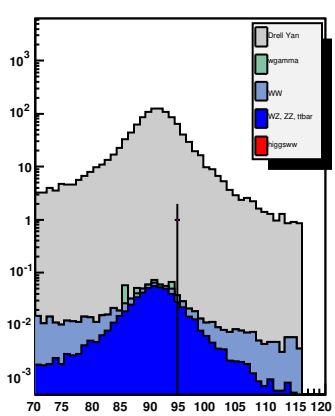

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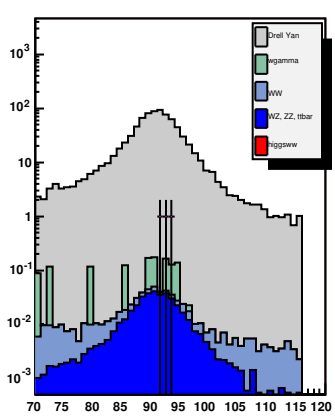

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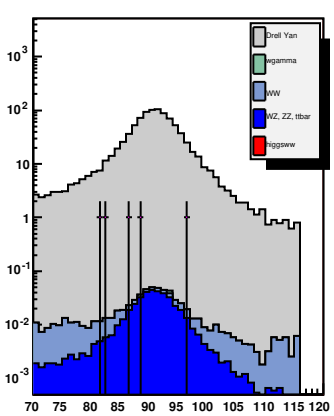

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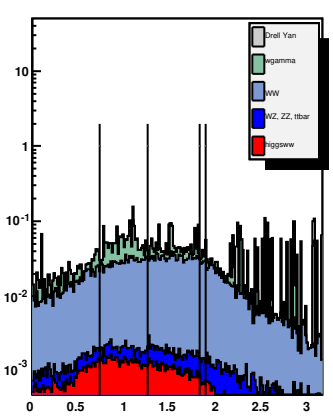

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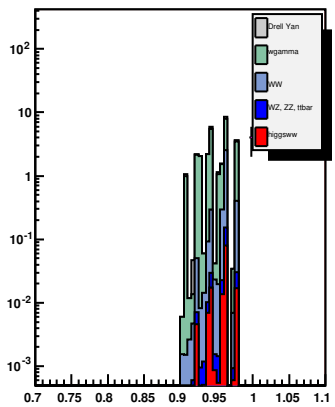

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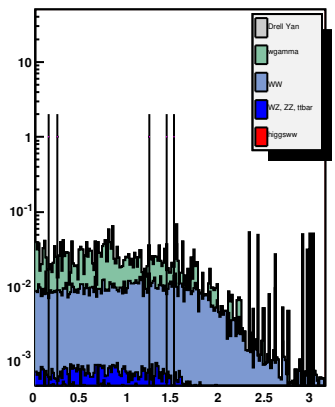

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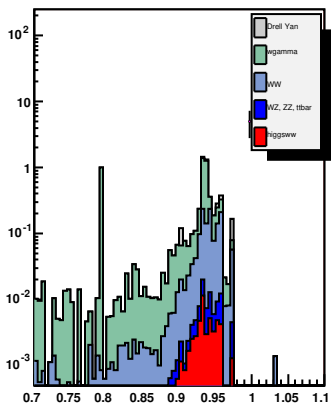

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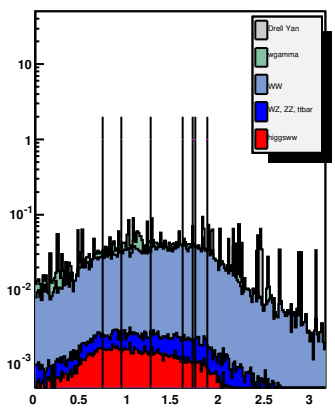

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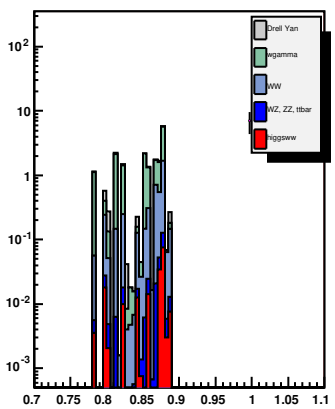

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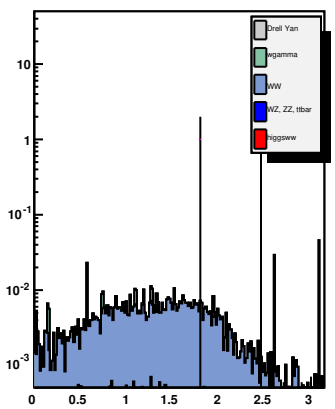

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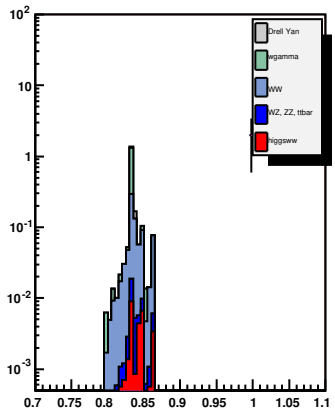

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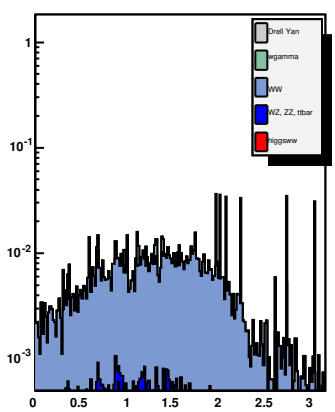

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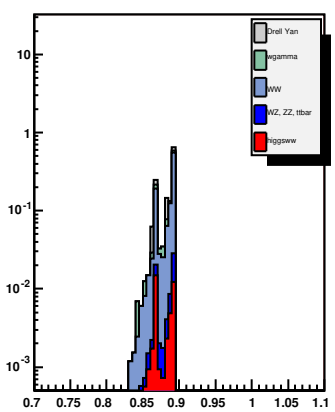

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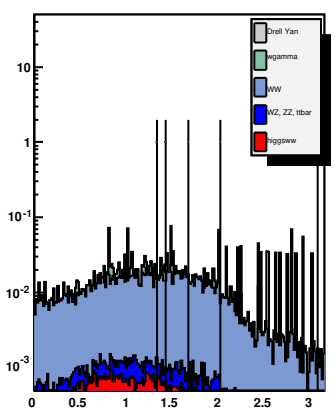

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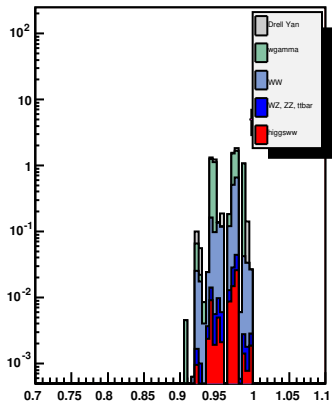

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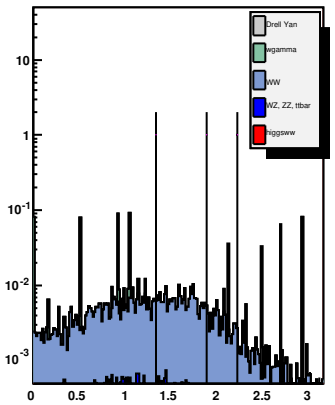

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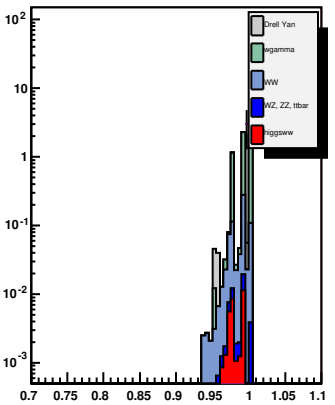

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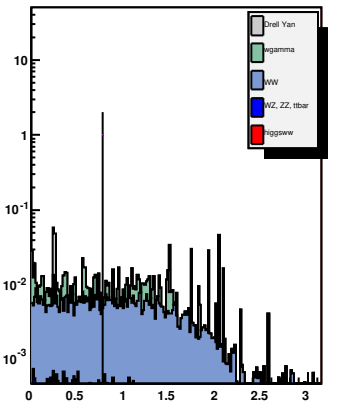

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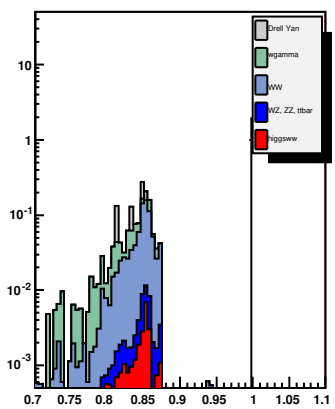

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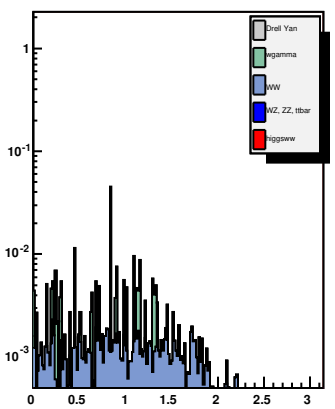

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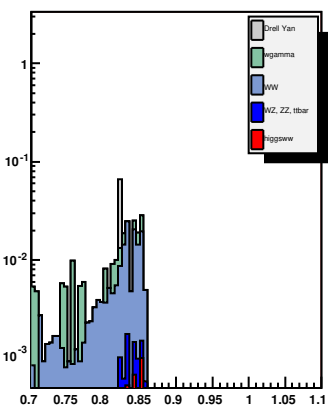

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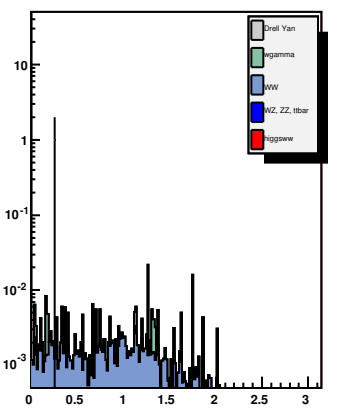

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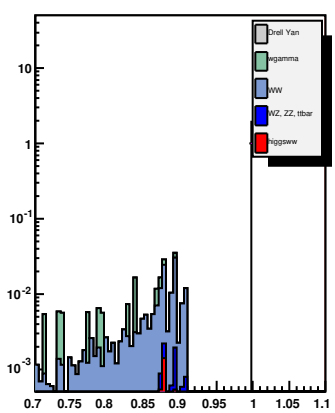

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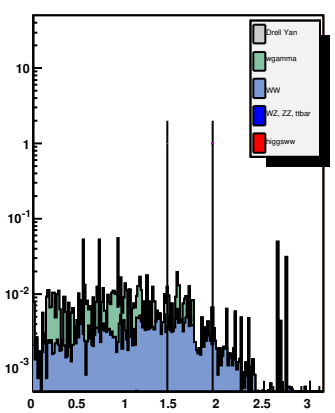

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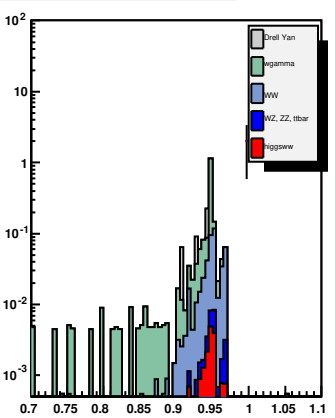

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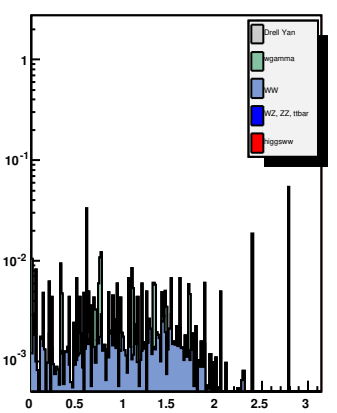

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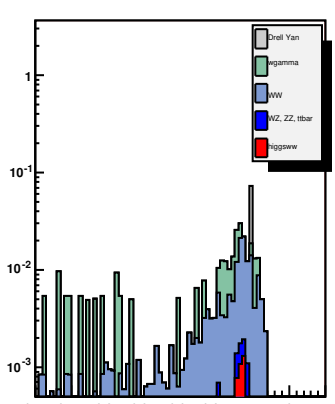

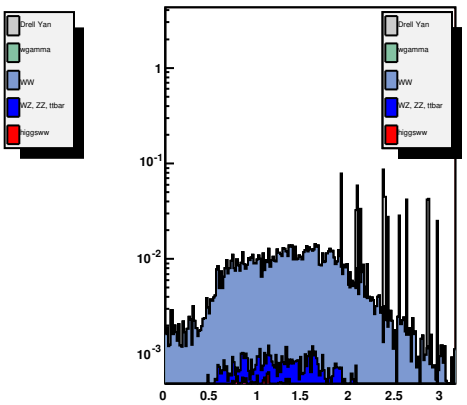

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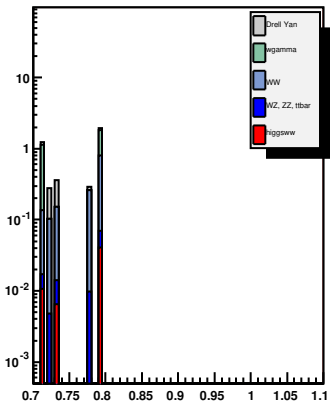
SBHs-CMUP_CMUP rawweight



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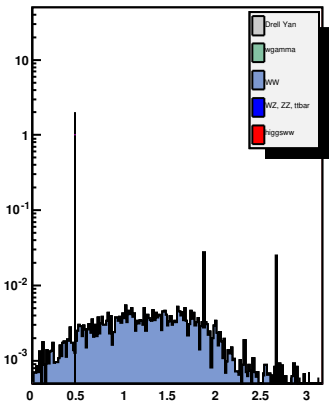

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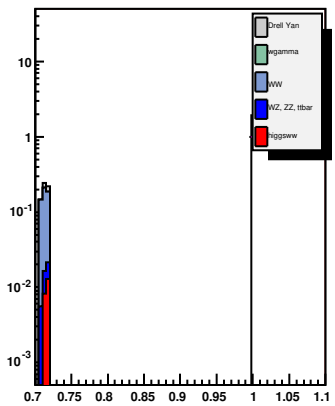

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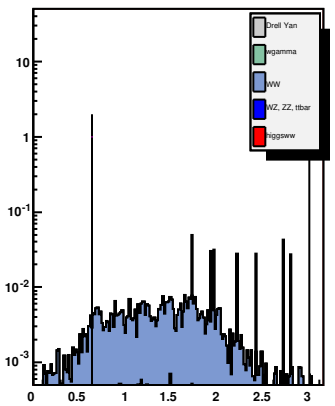

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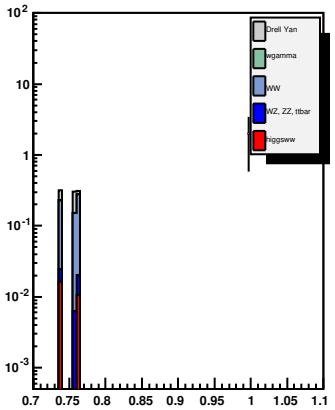

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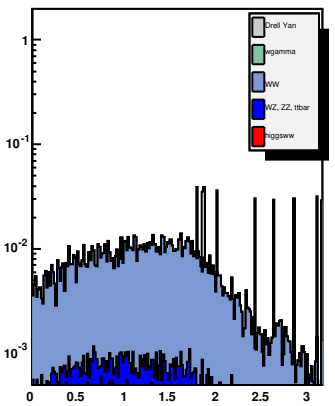

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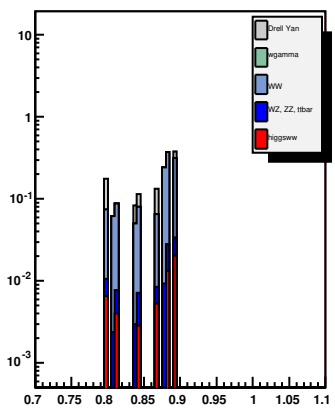

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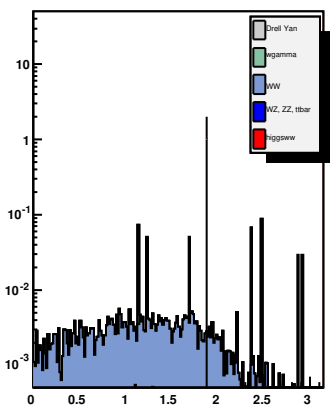

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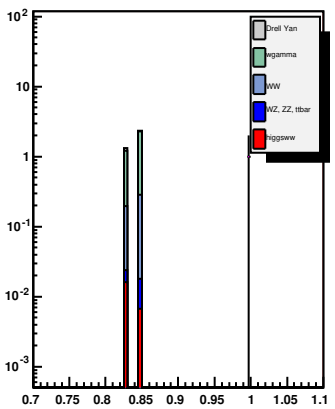

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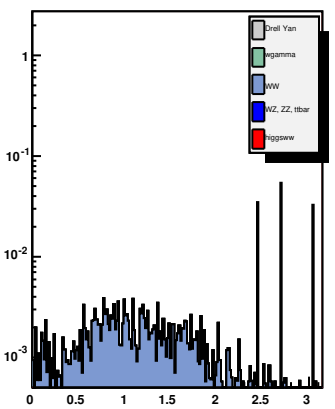

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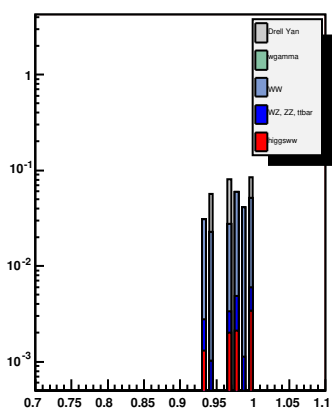

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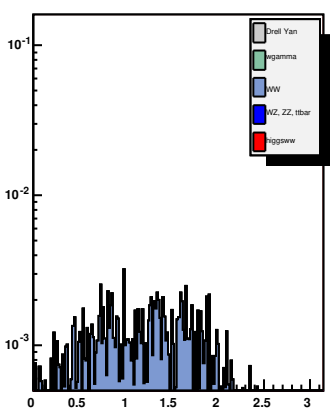

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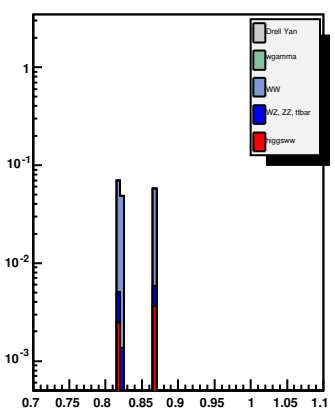

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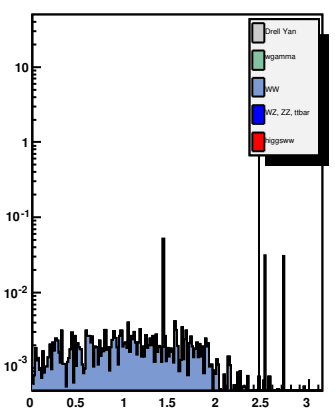

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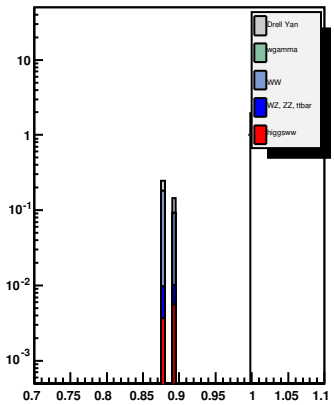

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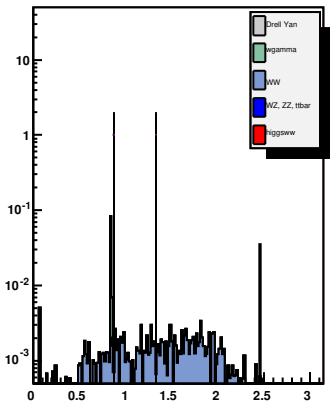

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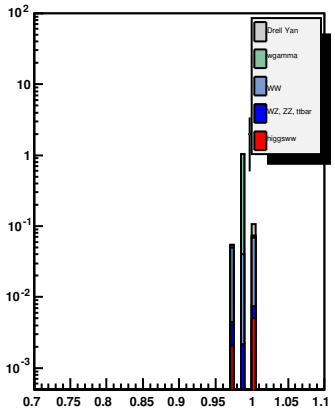

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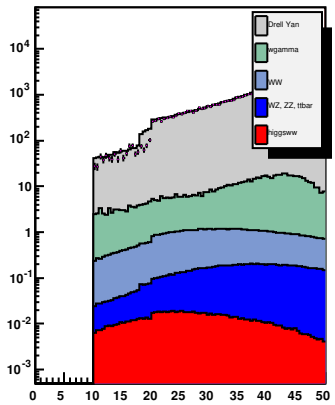
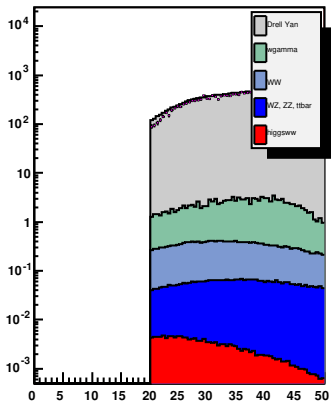
wgamma
WW
WZ, ZZ, ttbar
ggsww

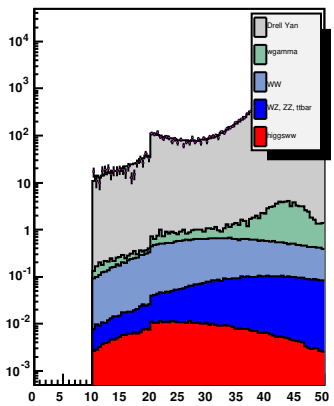
SBHs-TCE leptonET



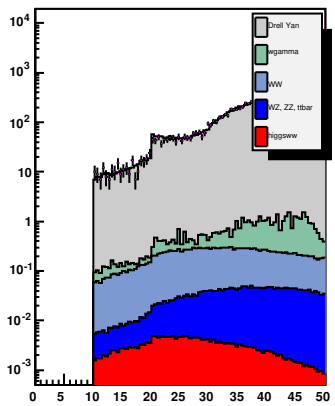
SBHs-PHX leptonET



SBHs-CMUP leptonET



SBHs-CMX leptonET



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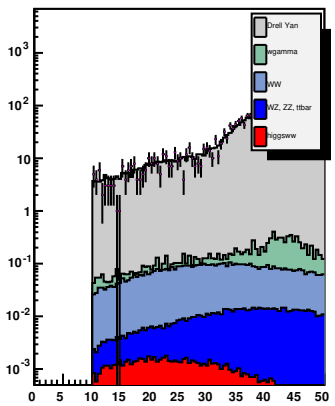

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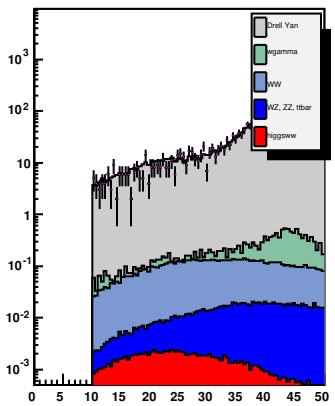
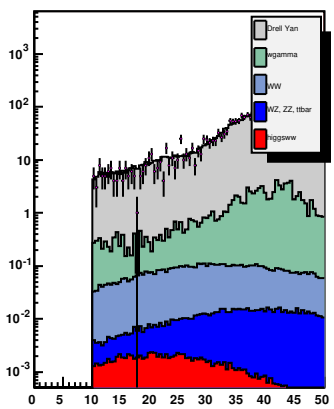
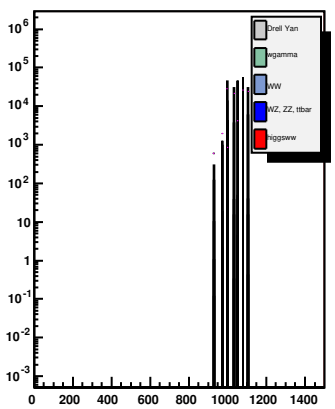


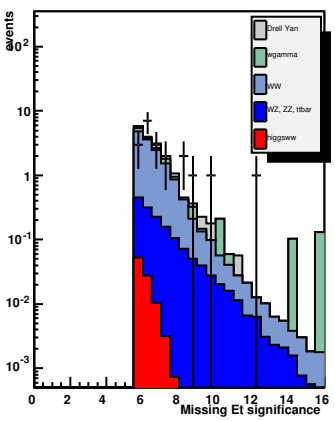
SBHs-CMIO leptonET



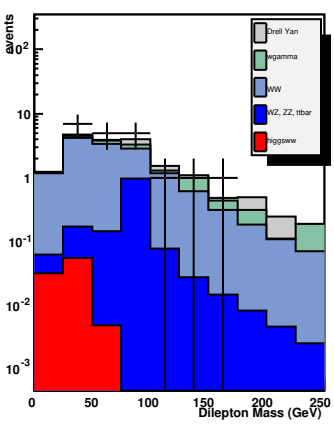
SBHs-luminosity



SBHs-WW missing Et significance



SBHs-WW dilepton mass



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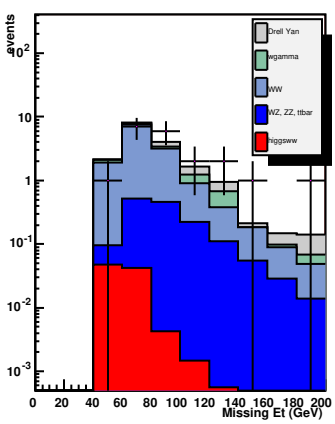
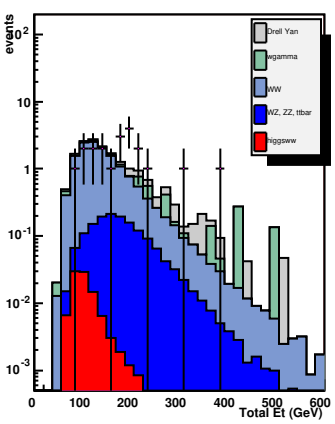
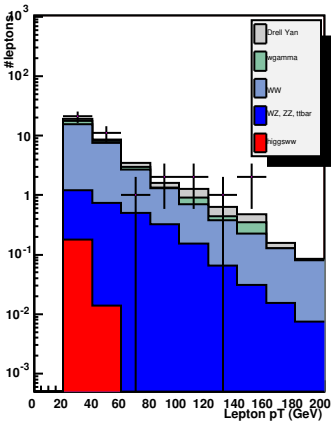


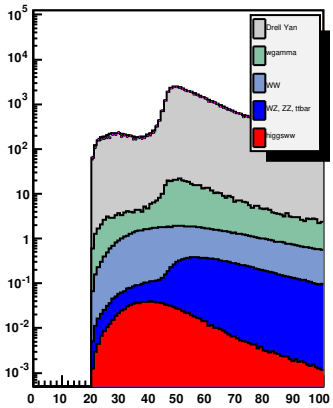
SBHs-WW total Et



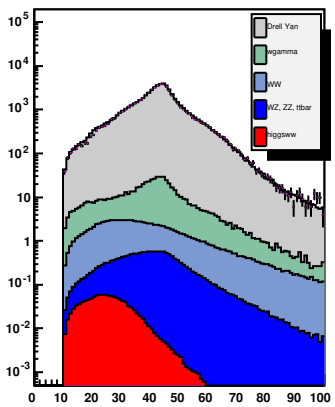
SBHs-WW lepton pT



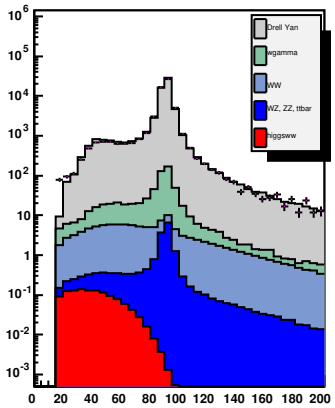
SBHs-NN Variable LepAEn



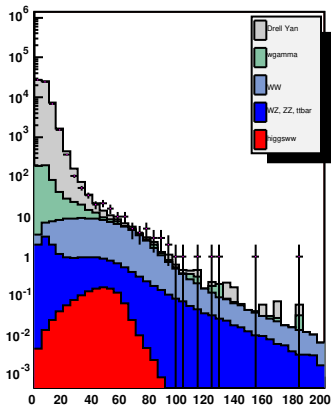
SBHs-NN Variable LepBEn



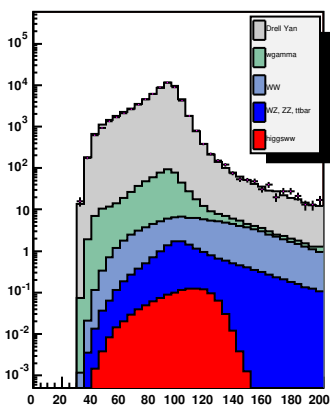
SBHs-NN Variable dilmass



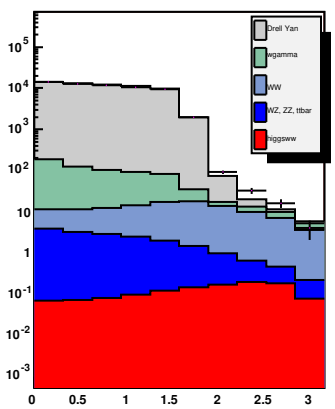
SBHs-NN Variable metmag



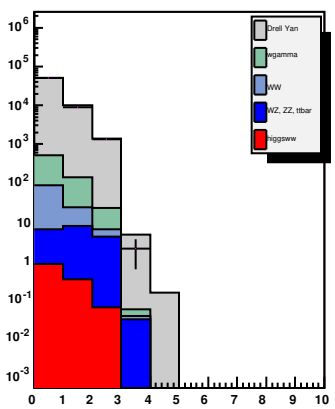
SBHs-NN Variable addEt



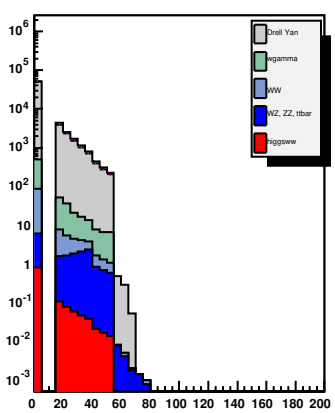
SBHs-NN Variable dPhiMetLJ



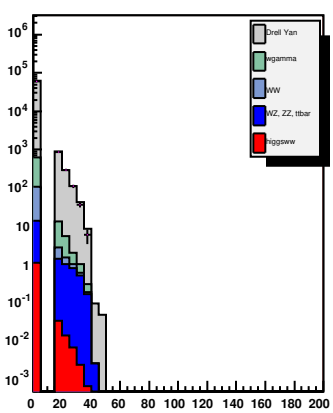
SBHs-NN Variable tightjets



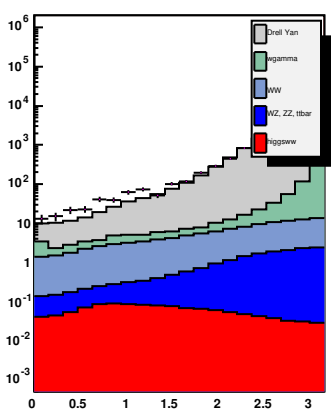
SBHs-NN Variable jet1_Et



SBHs-NN Variable jet2_Et



SBHs-NN Variable dildphi



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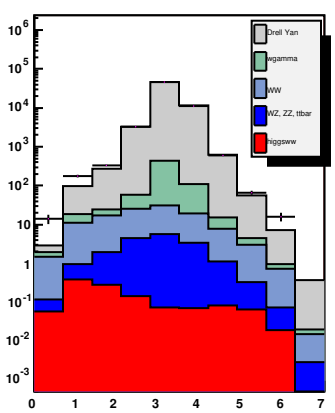
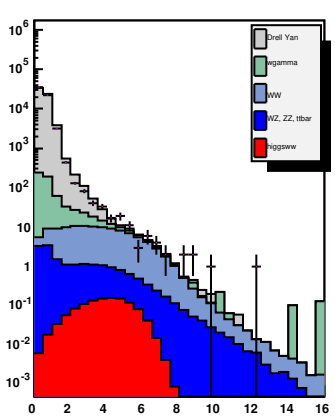
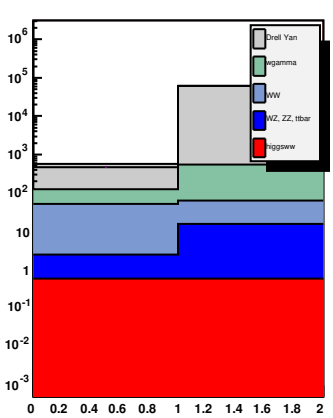


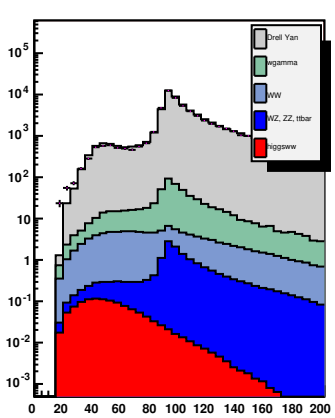
SBHs-NN Variable metsig



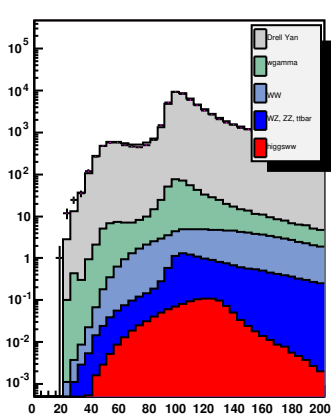
SBHs-NN Variable diltype



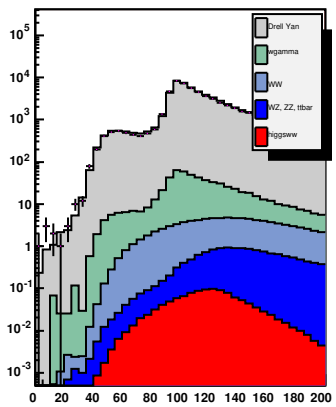
SBHs-NN Variable Mt_ll



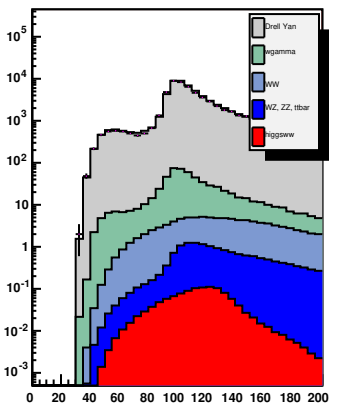
SBHs-NN Variable Mt_llMet



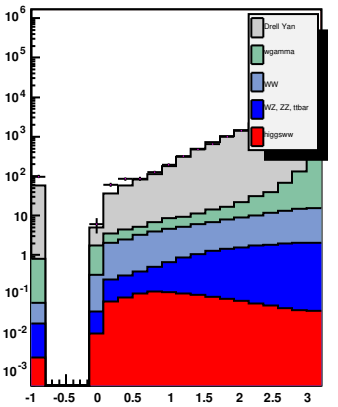
SBHs-NN Variable Mt_All



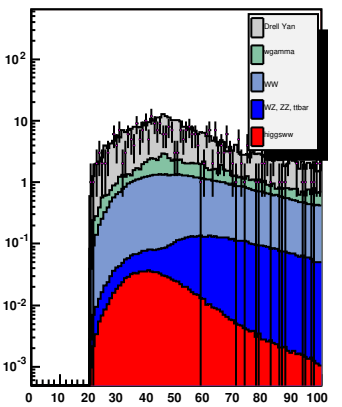
SBHs-NN Variable Isr



SBHs-NN Variable DilPhillCorr



SBHs-NN Variable Metsig cut LepAEn



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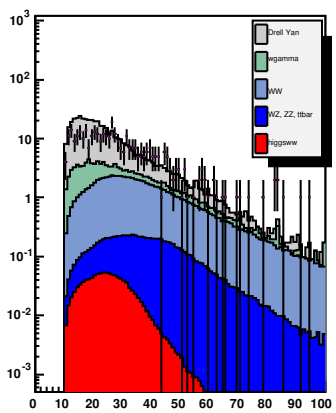
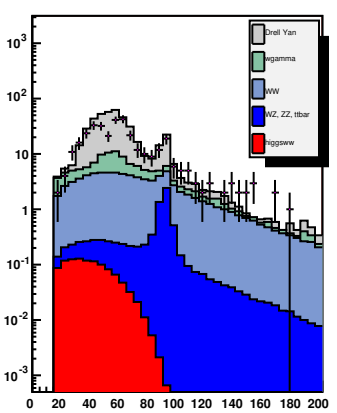


SBHs-NN Variable Metsig cut dilmass



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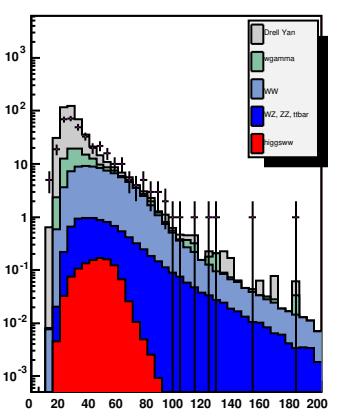
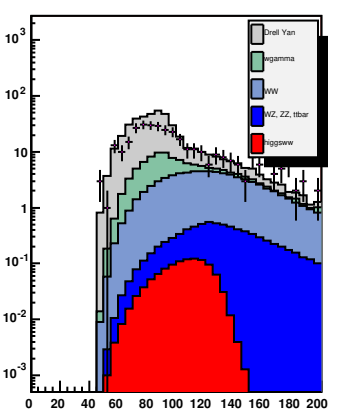
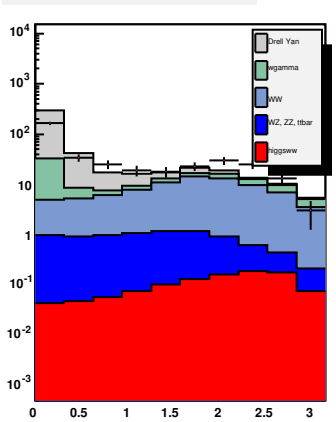


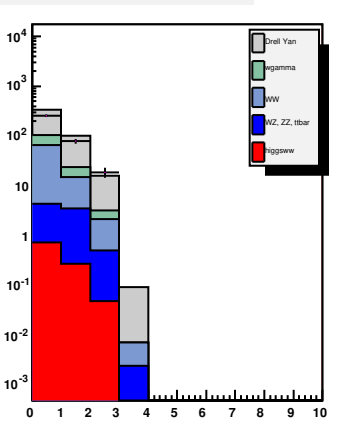
SBHs-NN Variable Metsig cut addEt



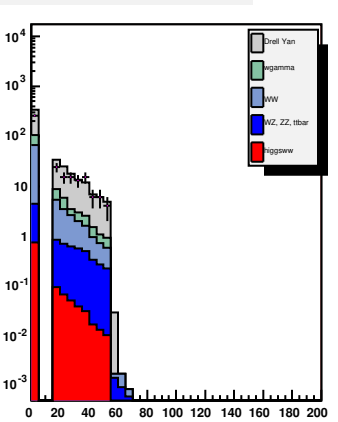
SBHs-NN Variable Metsig cut dPhiMetLJ



SBHs-NN Variable Metsig cut tightjets



SBHs-NN Variable Metsig cut jet1_Et



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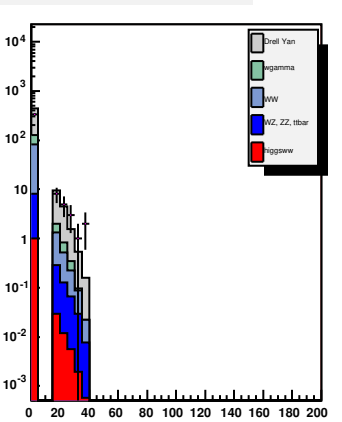
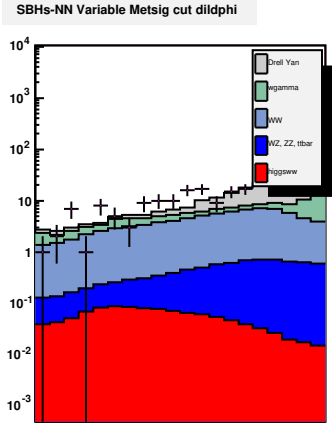


SBHs-NN Variable Metsig cut dildphi



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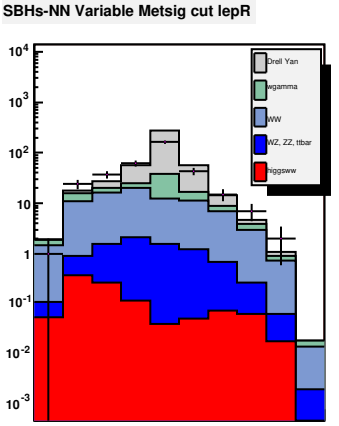

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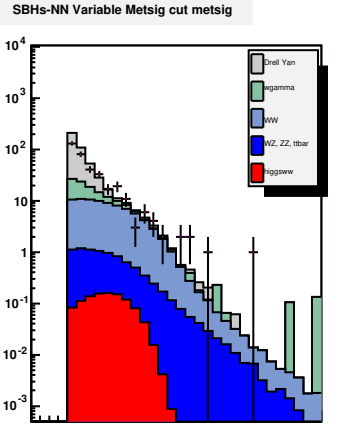
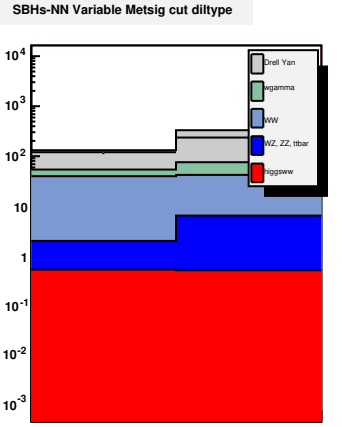
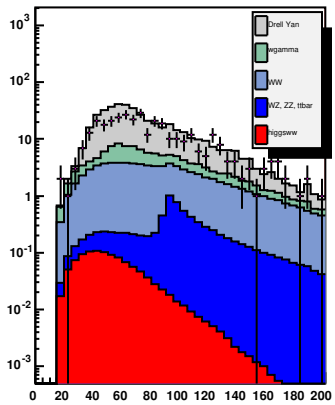


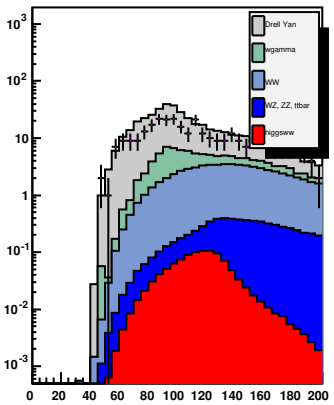
SBHs-NN Variable Metsig cut diltype



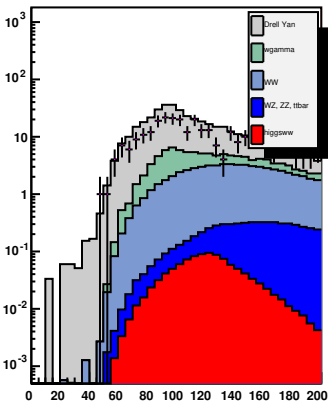
SBHs-NN Variable Metsig cut Mt_ll



SBHs-NN Variable Metsig cut Mt_llMet



SBHs-NN Variable Metsig cut Mt_All



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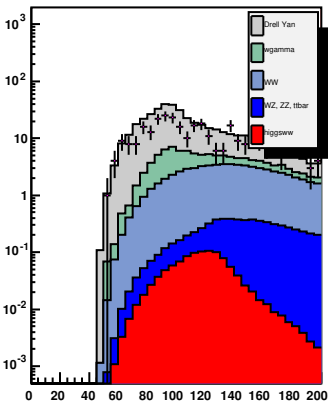
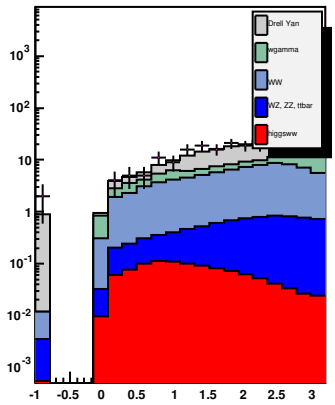
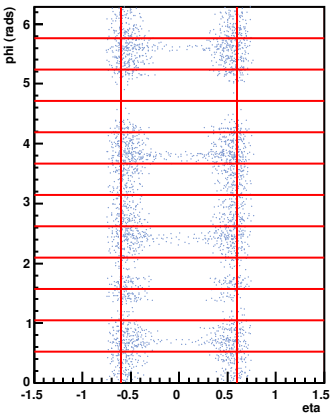


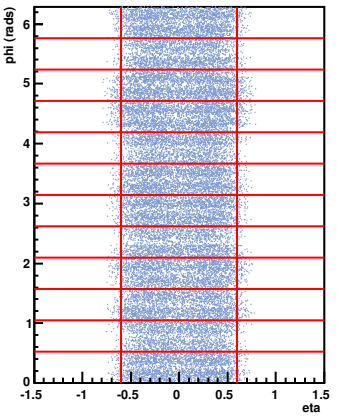
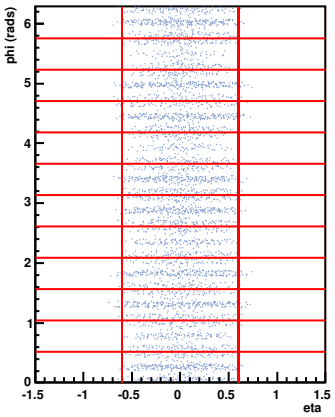
SBHs-NN Variable Metsig cut DilPhillCorr



Zmumu-CMU EtaPhi in ALL



Zmumu-CMUP EtaPhi in ALL



Zmumu-CMP EtaPhi in ALL