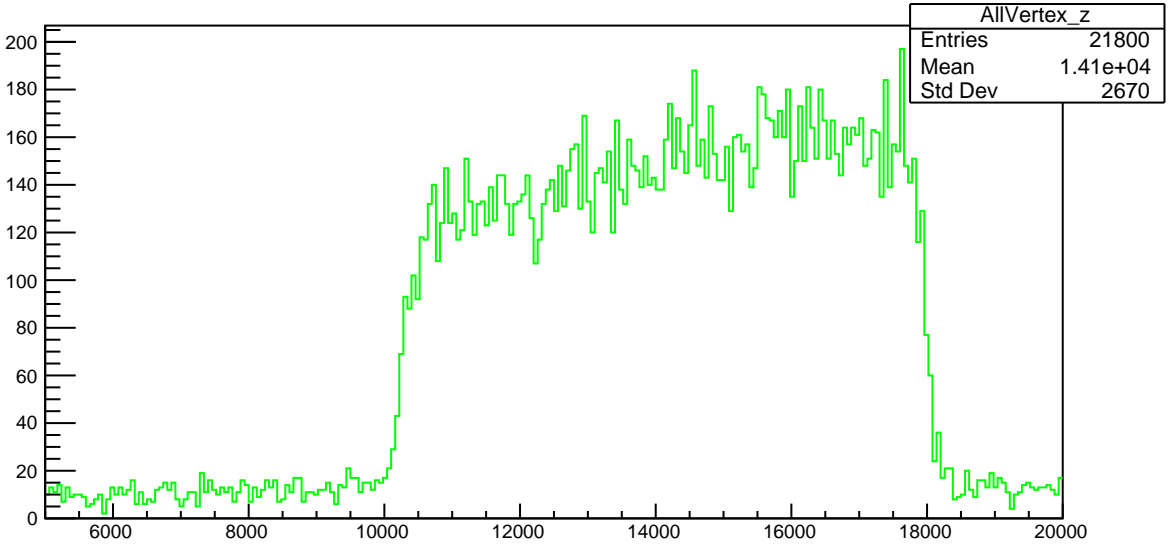
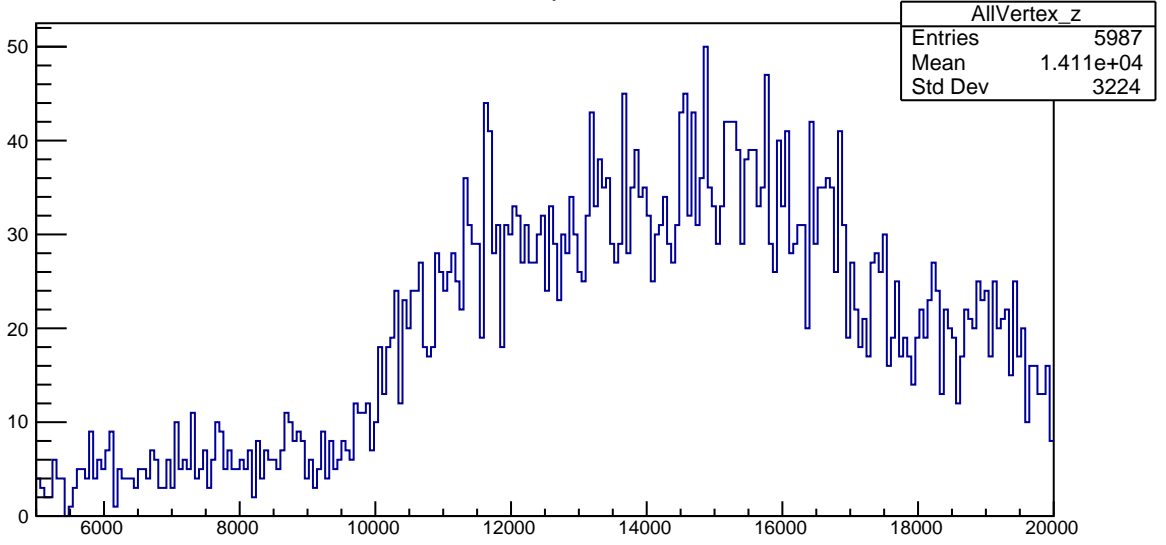
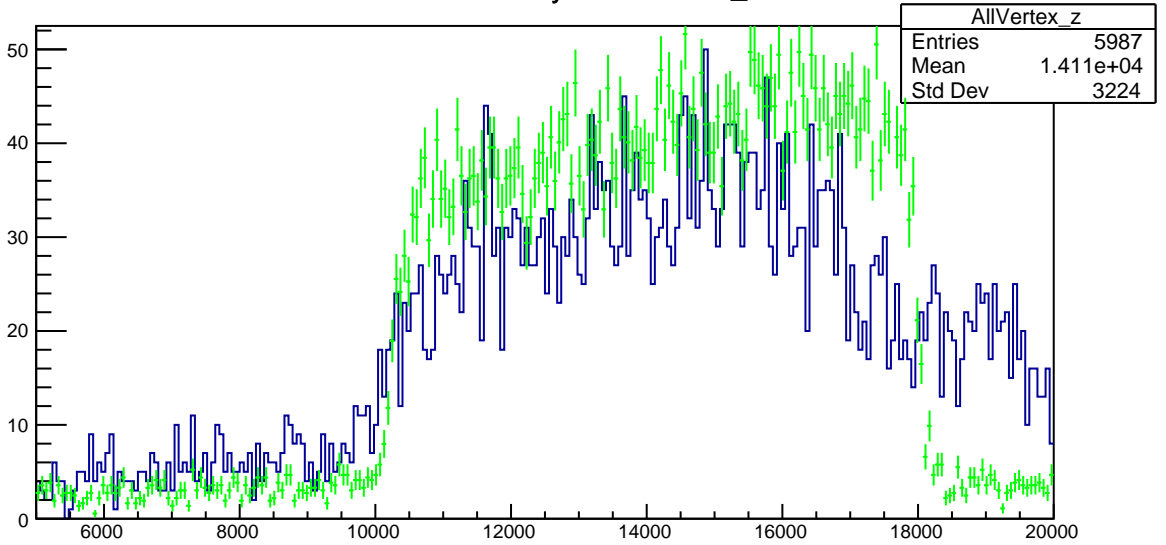


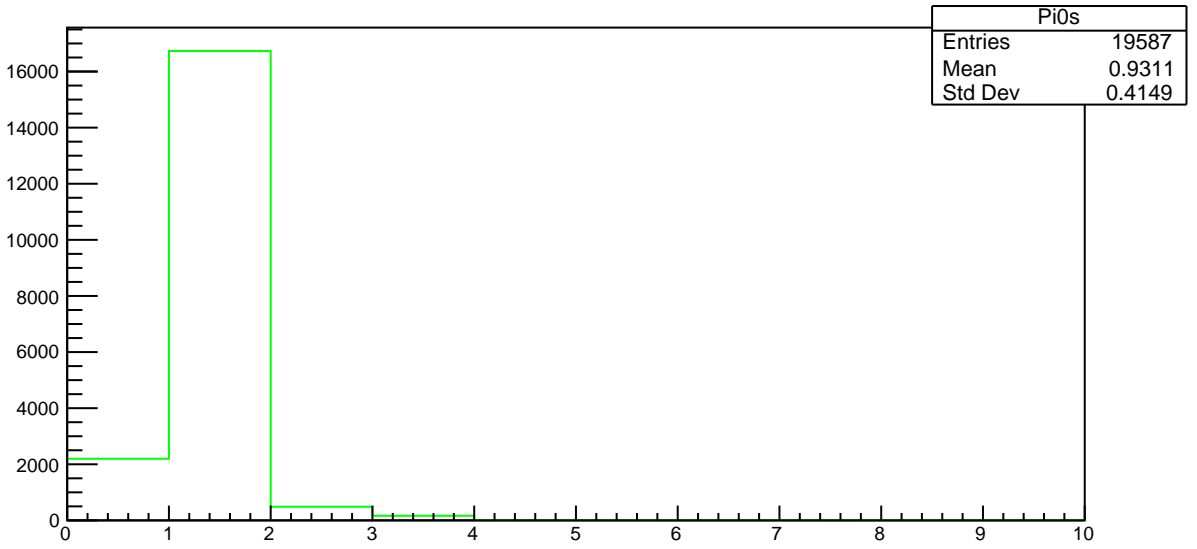
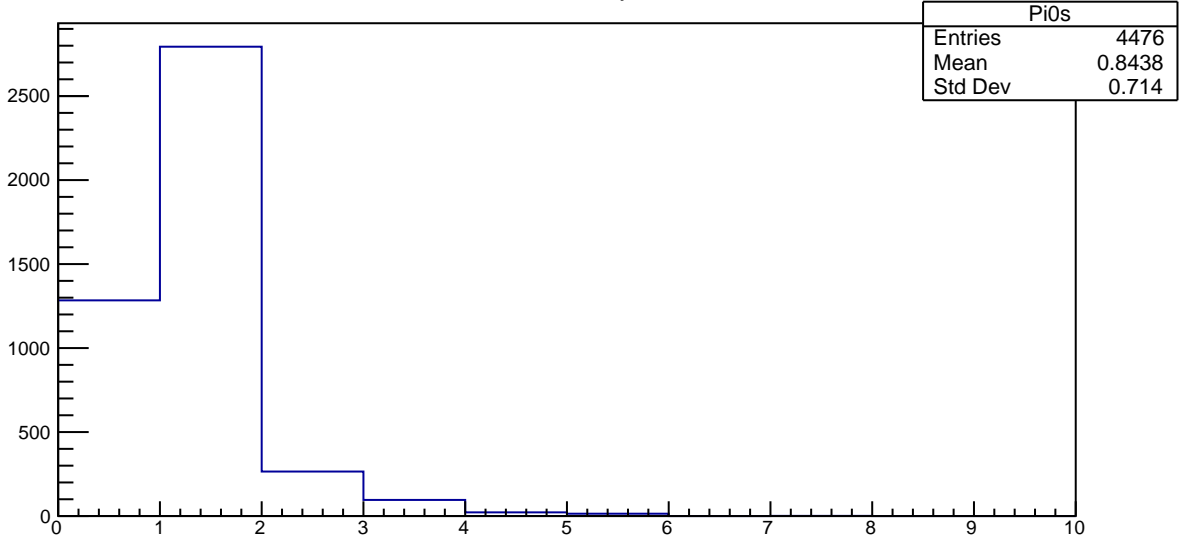
Plot 1 TwoPhotonAnalysis/AllVertex_z 2



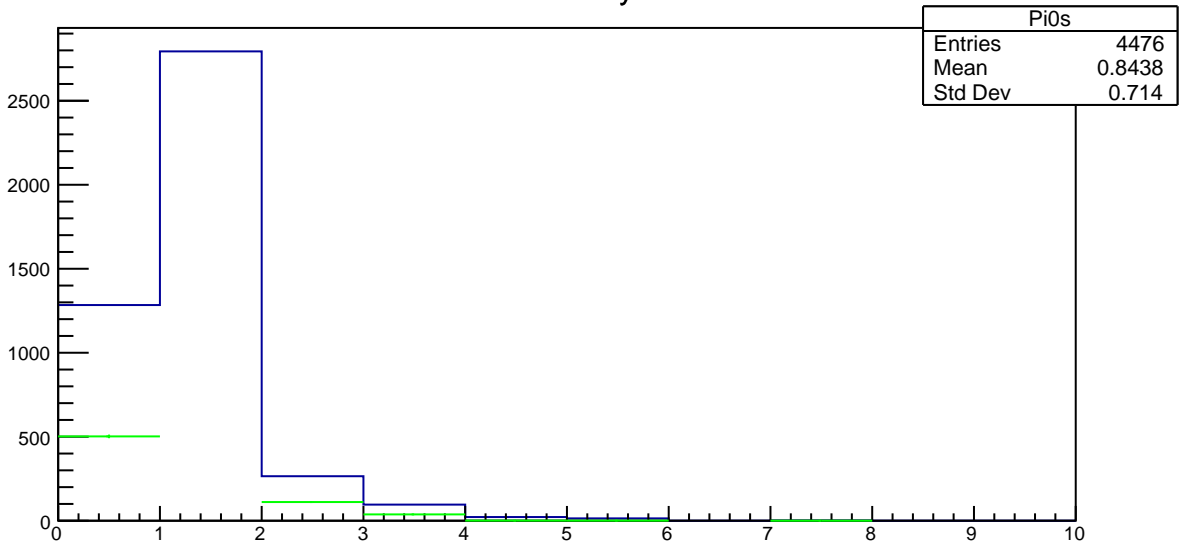
Plot 1 TwoPhotonAnalysis/AllVertex_z 2



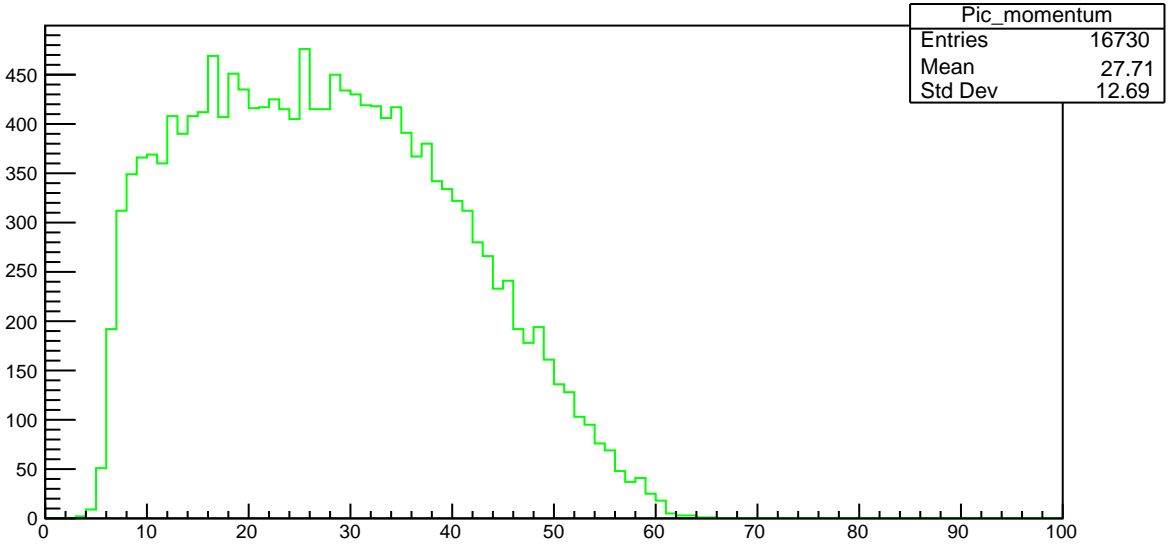
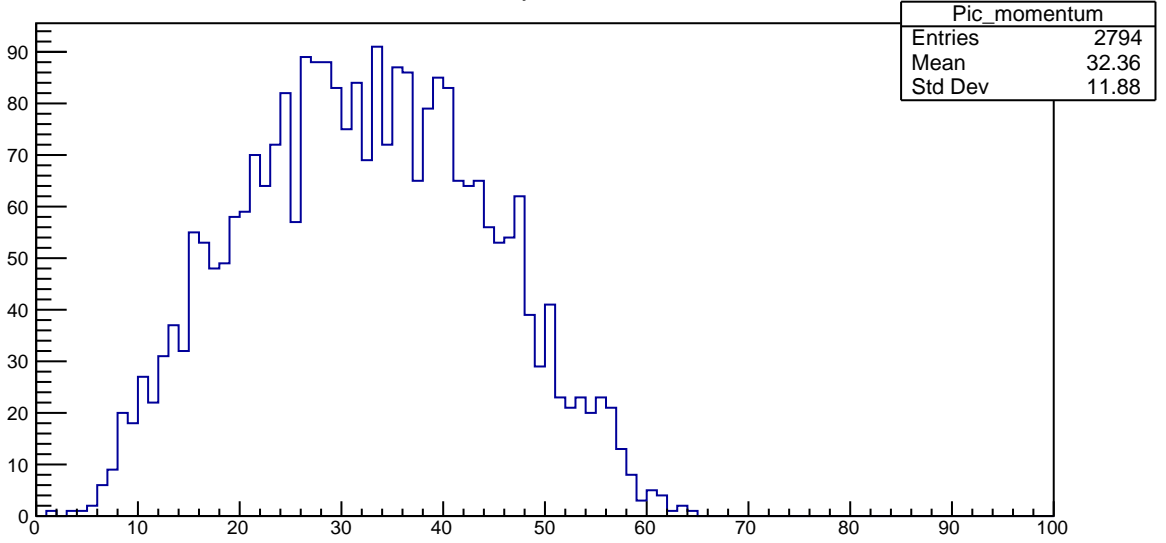
Plot 2 TwoPhotonAnalysis/Pi0s 3



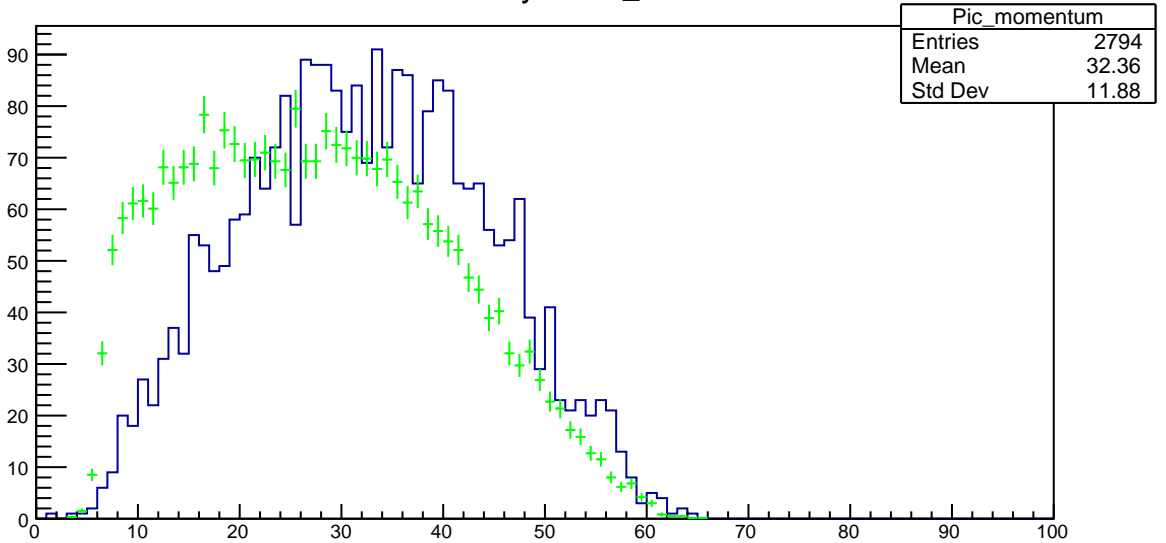
Plot 2 TwoPhotonAnalysis/Pi0s 3



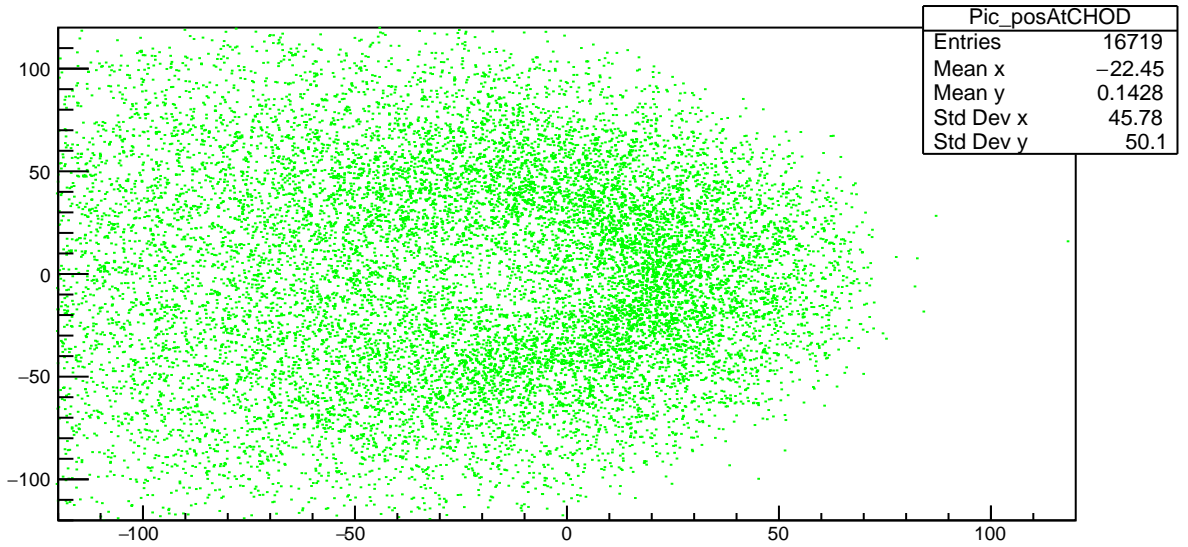
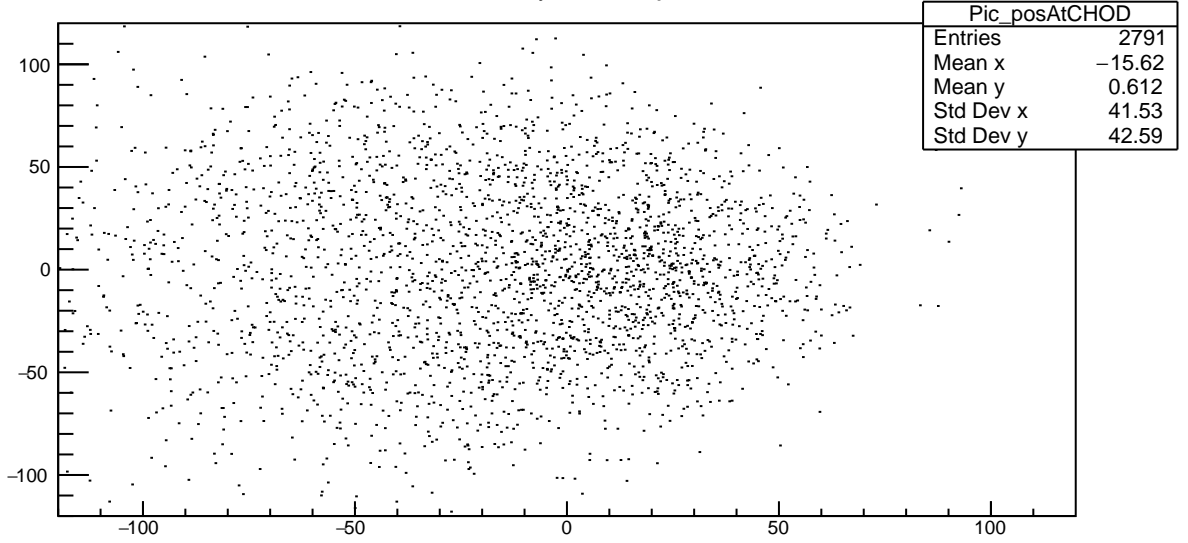
Plot 3 TwoPhotonAnalysis/Pic_momentum 4



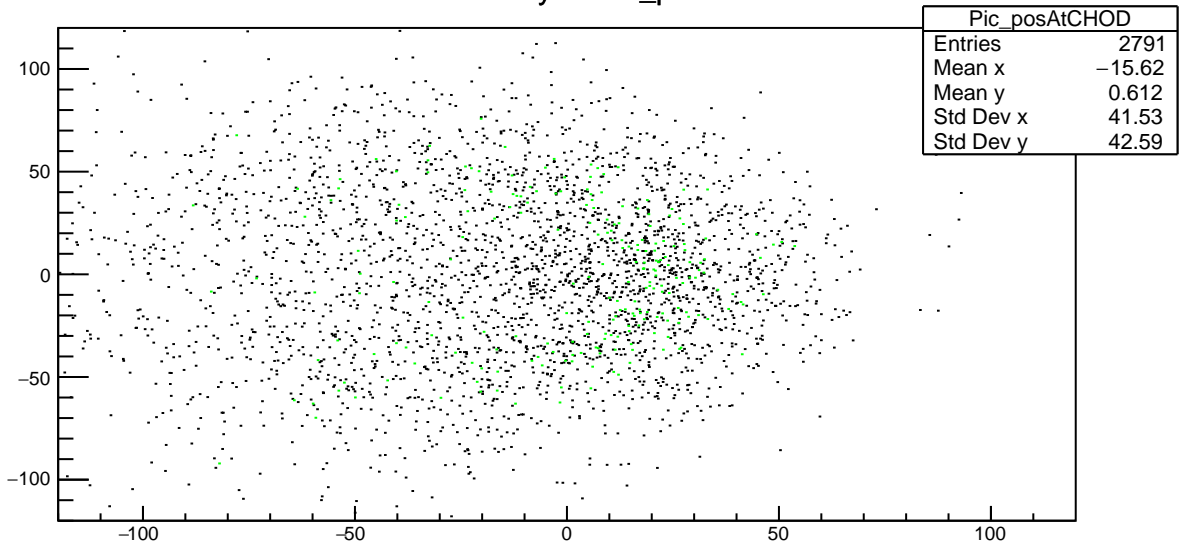
Plot 3 TwoPhotonAnalysis/Pic_momentum 4



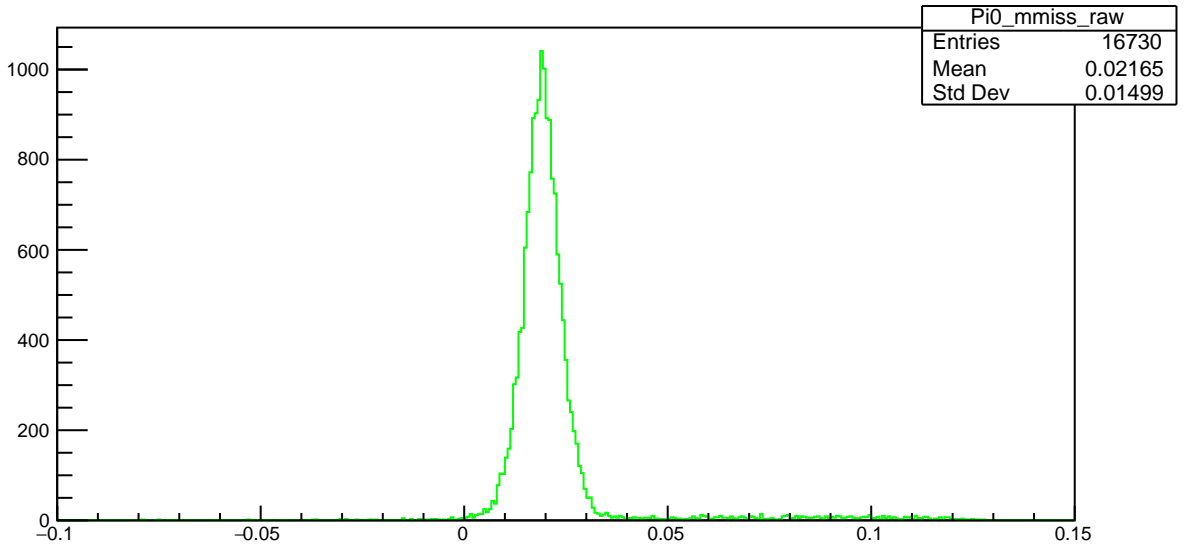
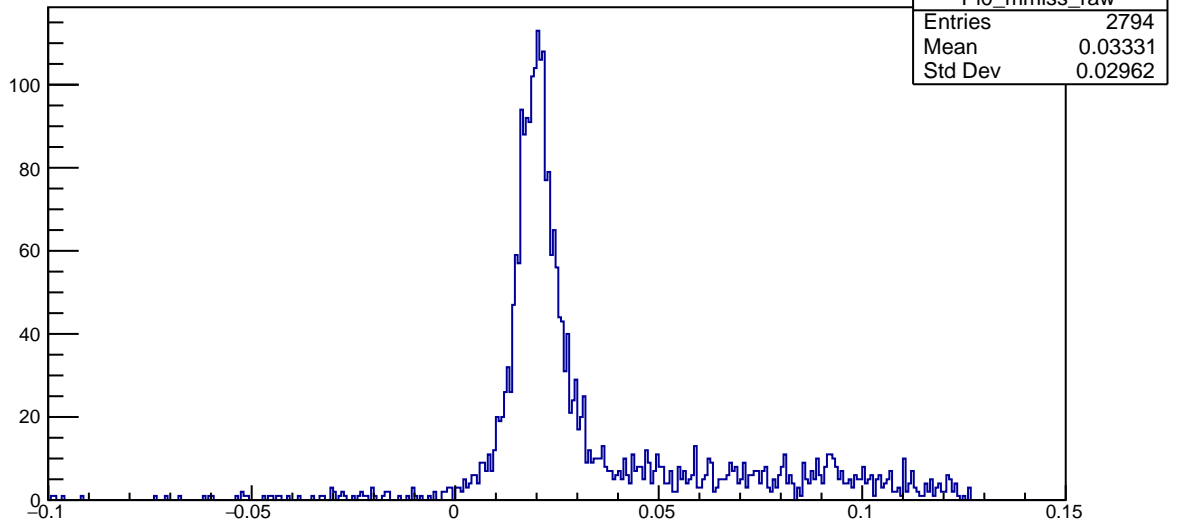
Plot 4 TwoPhotonAnalysis/Pic_posAtCHOD 5



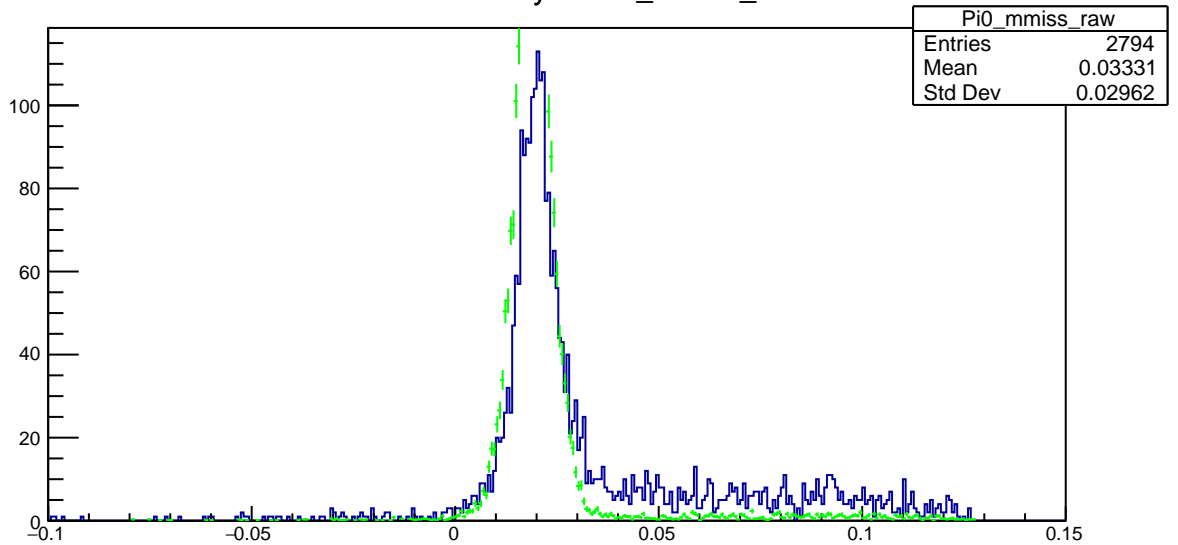
Plot 4 TwoPhotonAnalysis/Pic_posAtCHOD 5



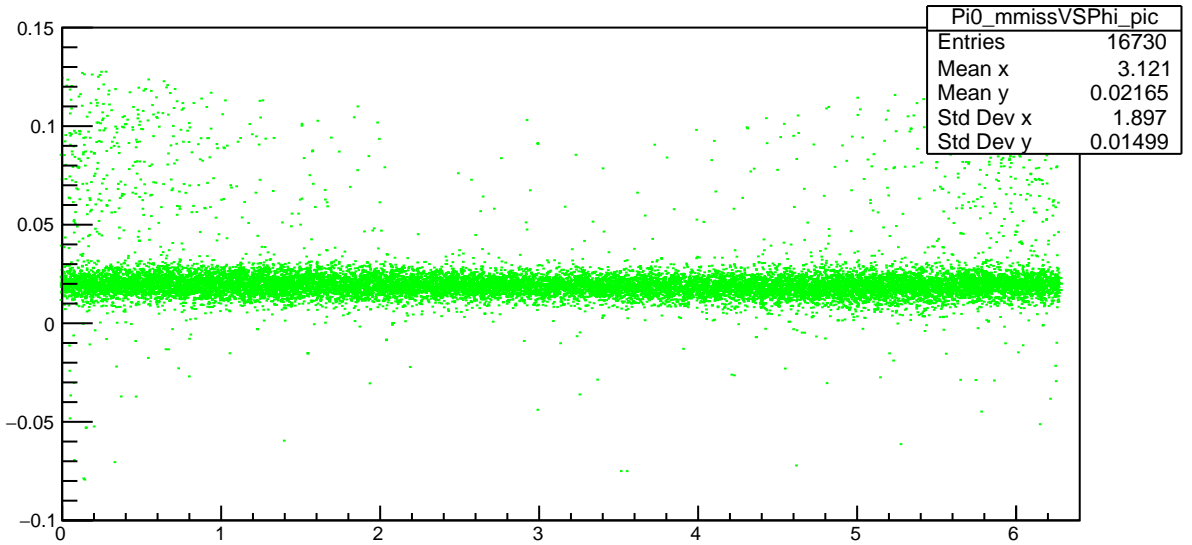
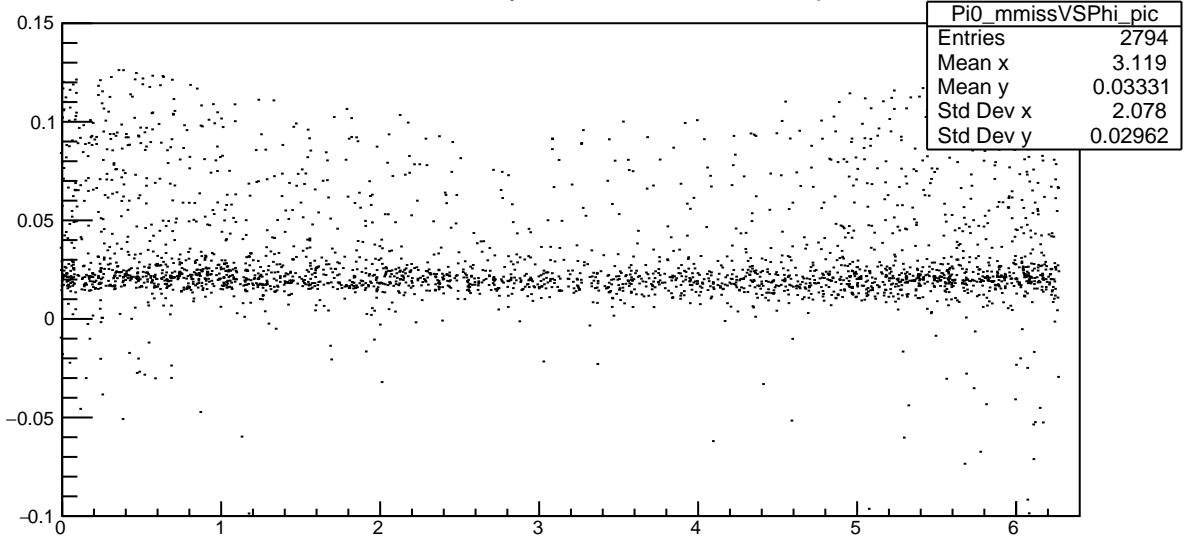
Plot 5 TwoPhotonAnalysis/Pi0_mmiss_raw 6



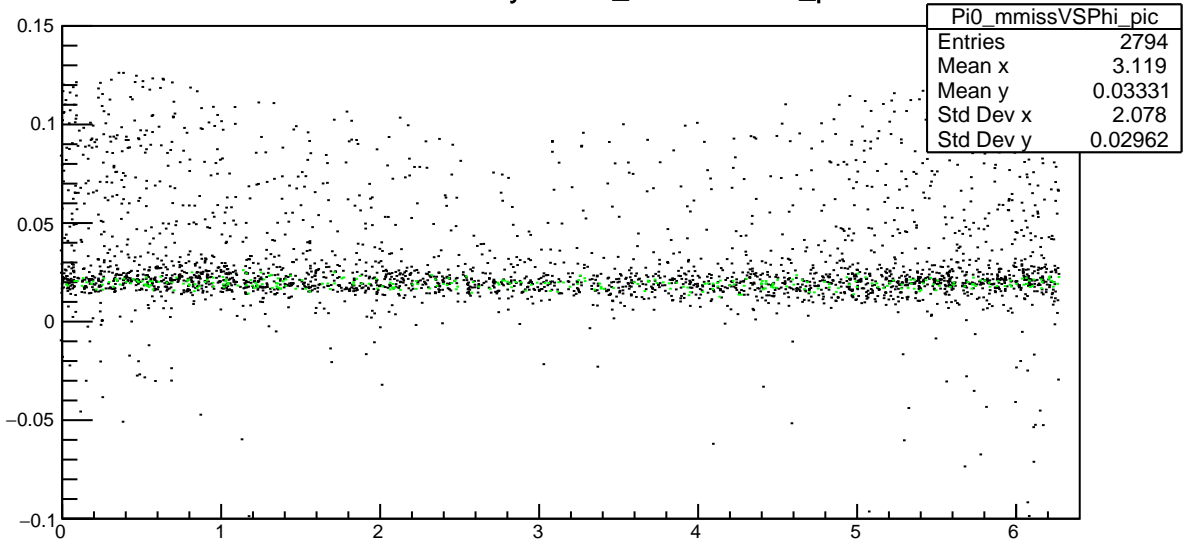
Plot 5 TwoPhotonAnalysis/Pi0_mmiss_raw 6



Plot 6 TwoPhotonAnalysis/Pi0_mmissVSPhi_pic 7

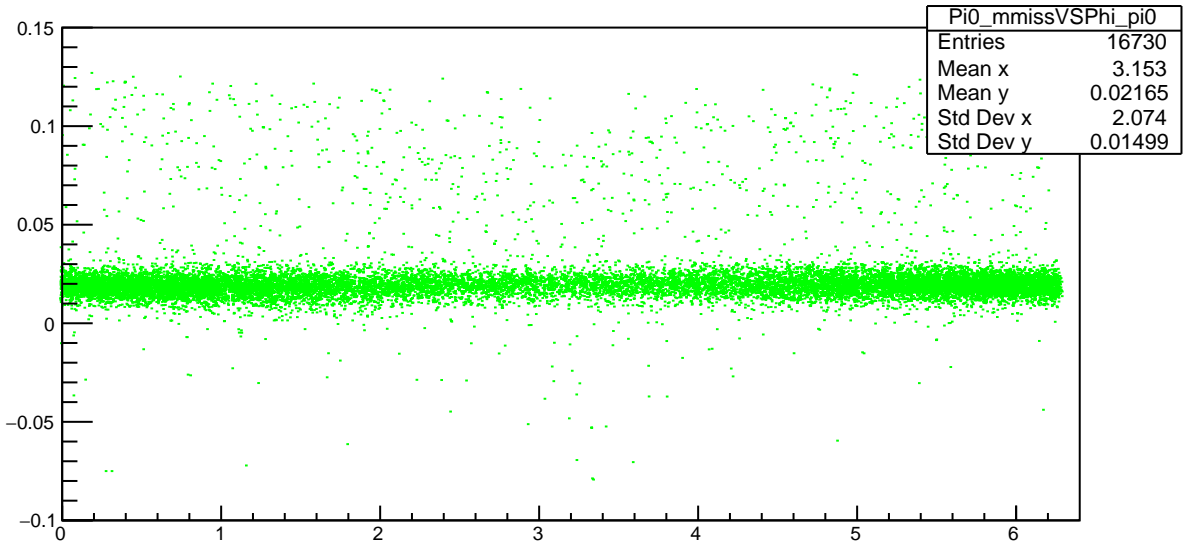
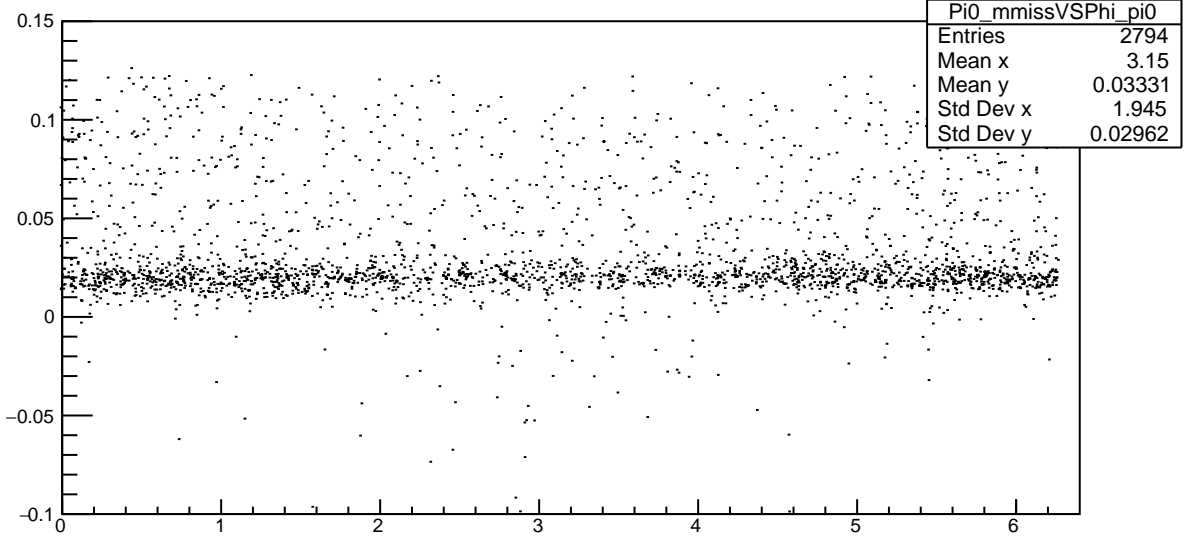


Plot 6 TwoPhotonAnalysis/Pi0_mmissVSPhi_pic 7



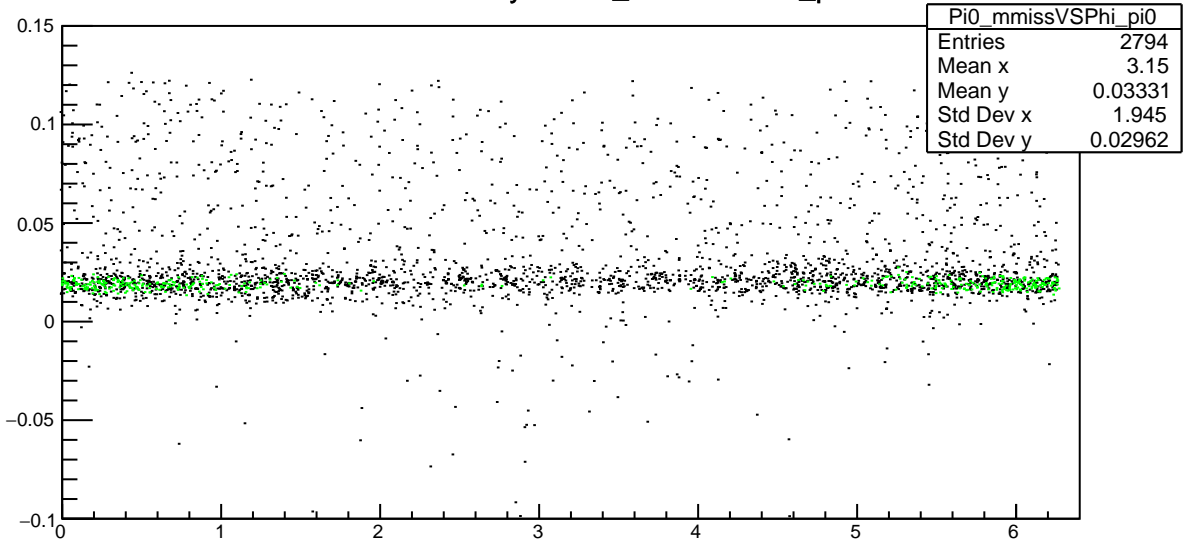
Plot 7 TwoPhotonAnalysis/Pi0_mmissVSPhi_pi0

8

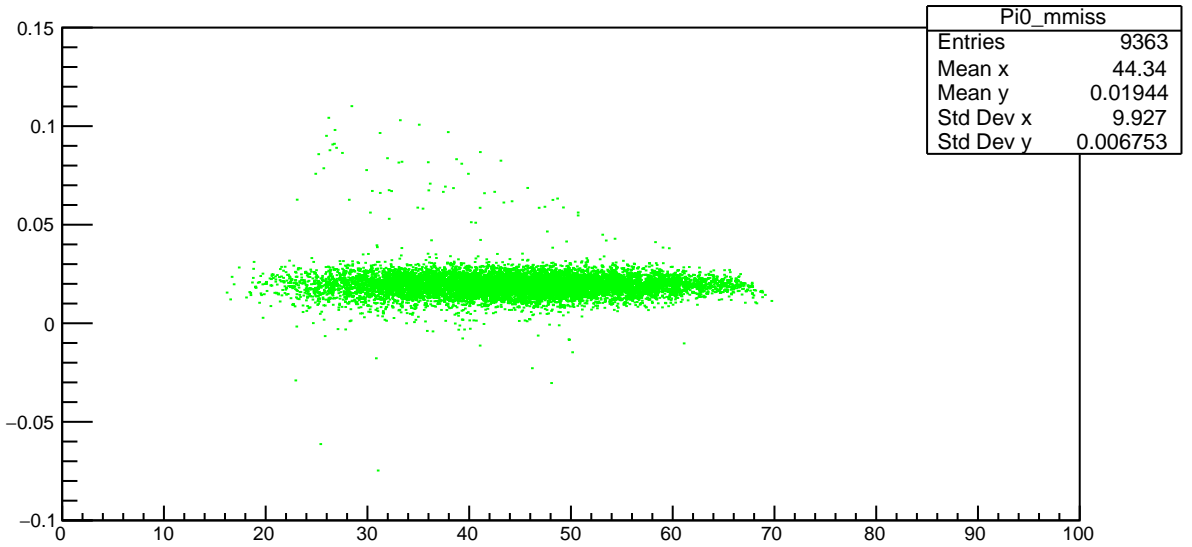
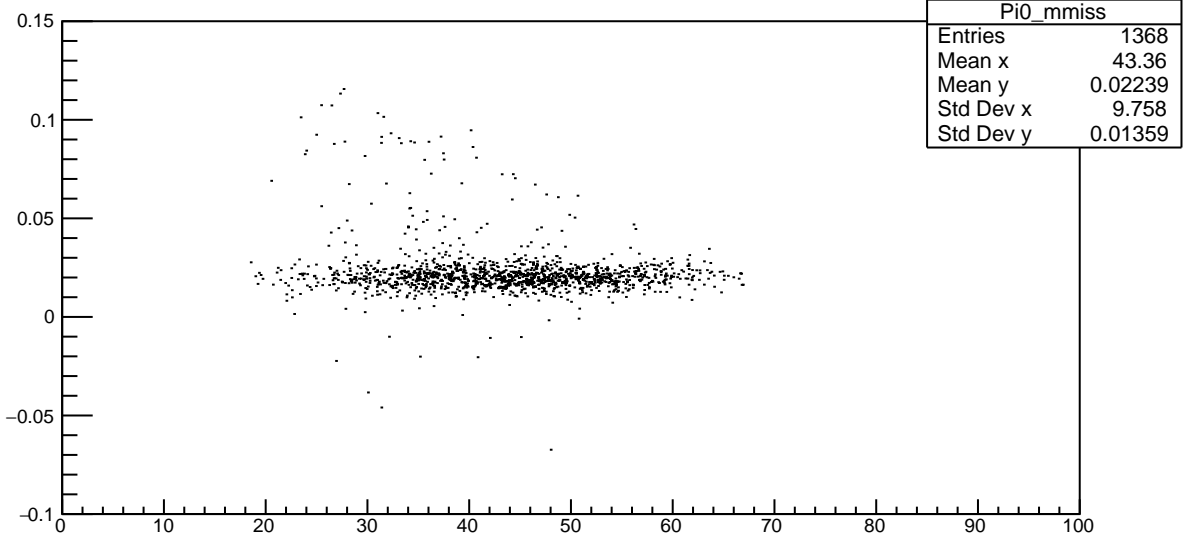


Plot 7 TwoPhotonAnalysis/Pi0_mmissVSPhi_pi0

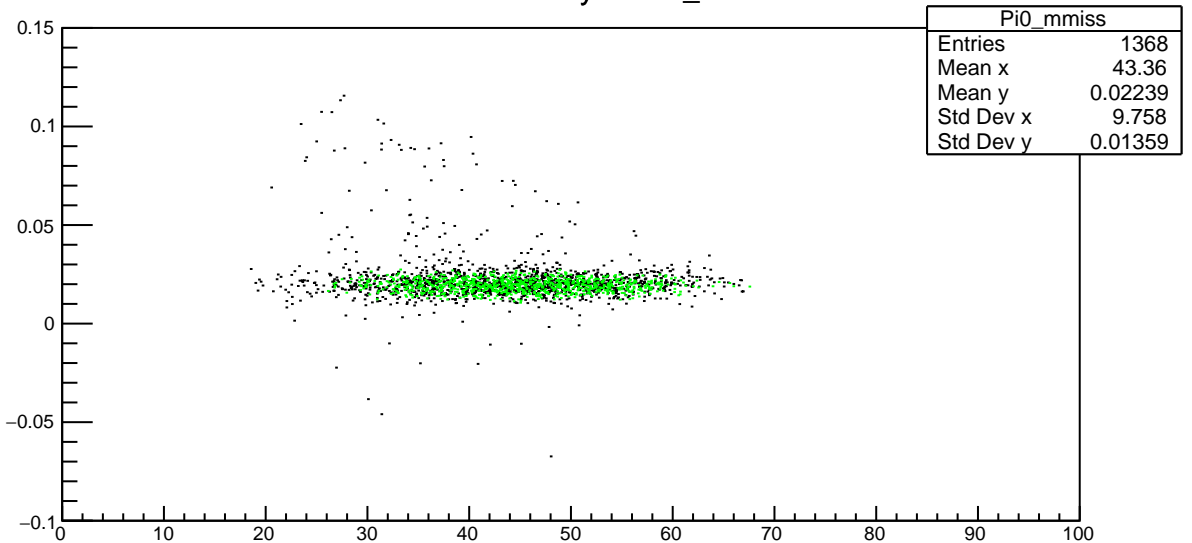
8



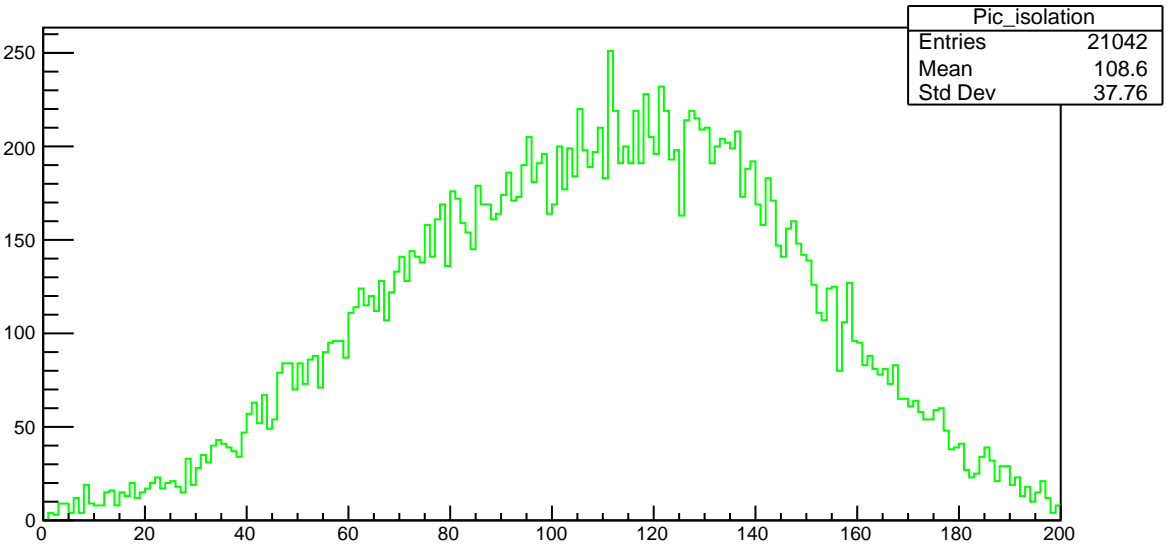
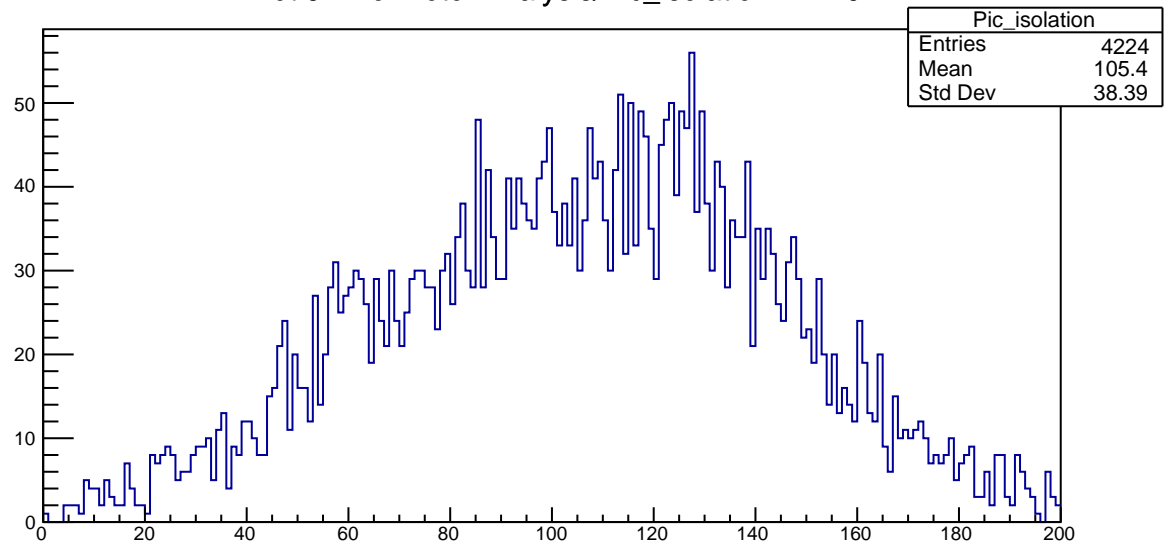
Plot 8 TwoPhotonAnalysis/Pi0_mmiss 9



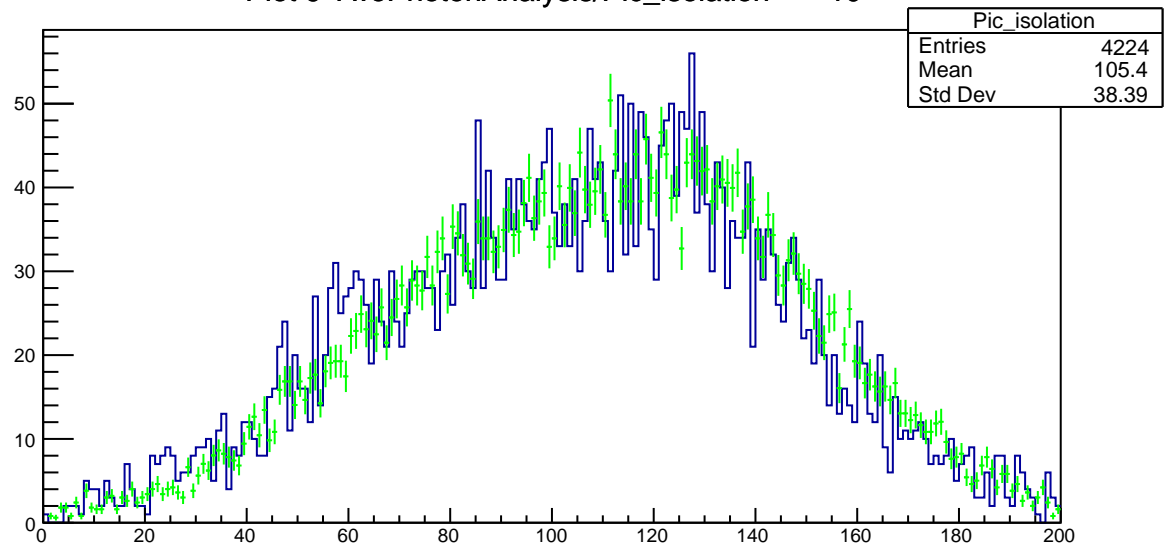
Plot 8 TwoPhotonAnalysis/Pi0_mmiss 9



Plot 9 TwoPhotonAnalysis/Pic_isolation 10

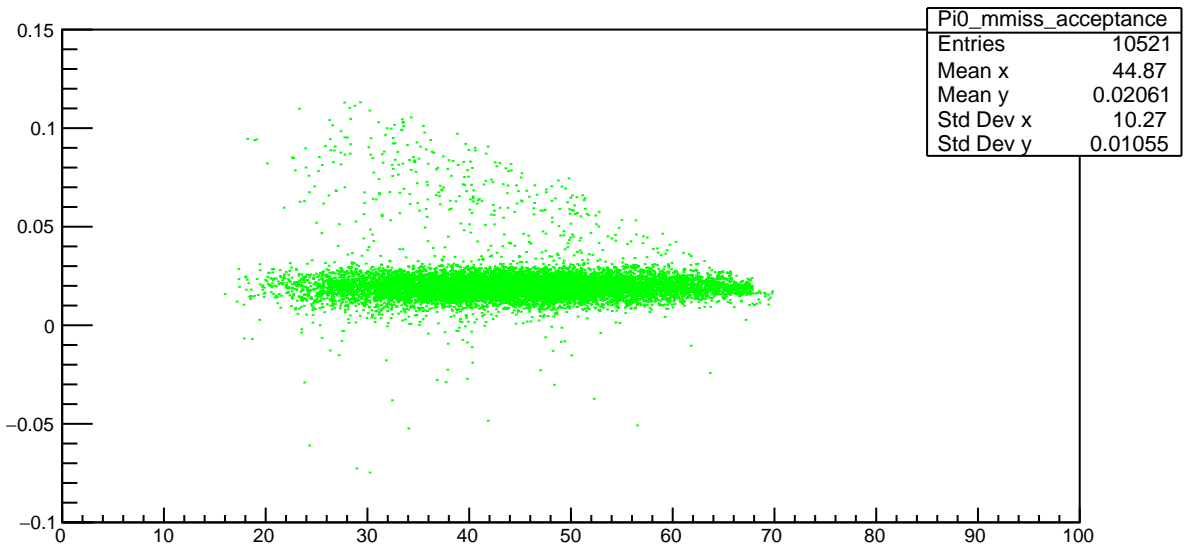
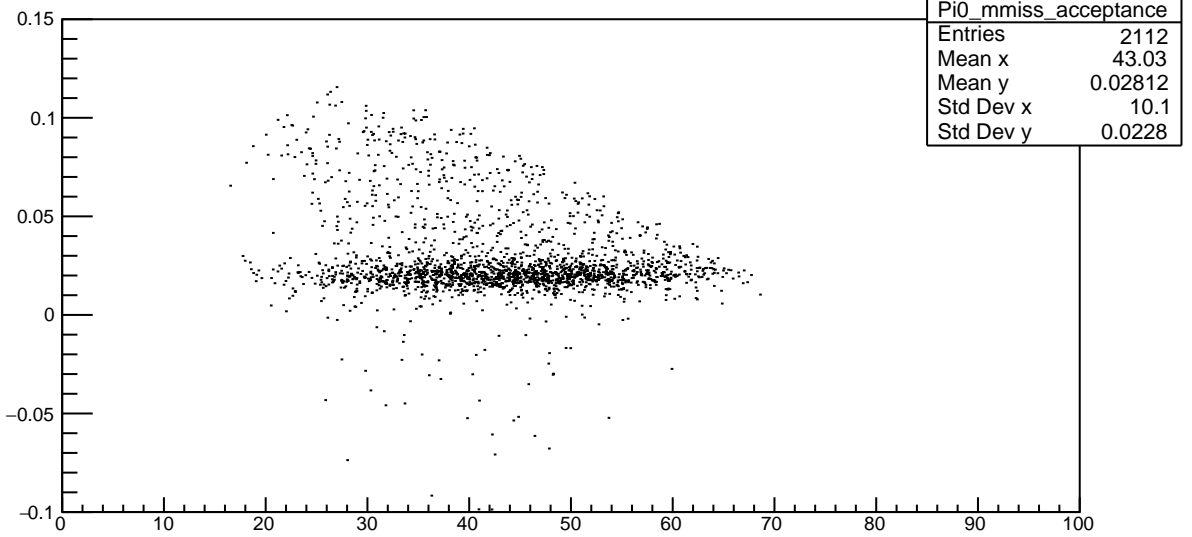


Plot 9 TwoPhotonAnalysis/Pic_isolation 10



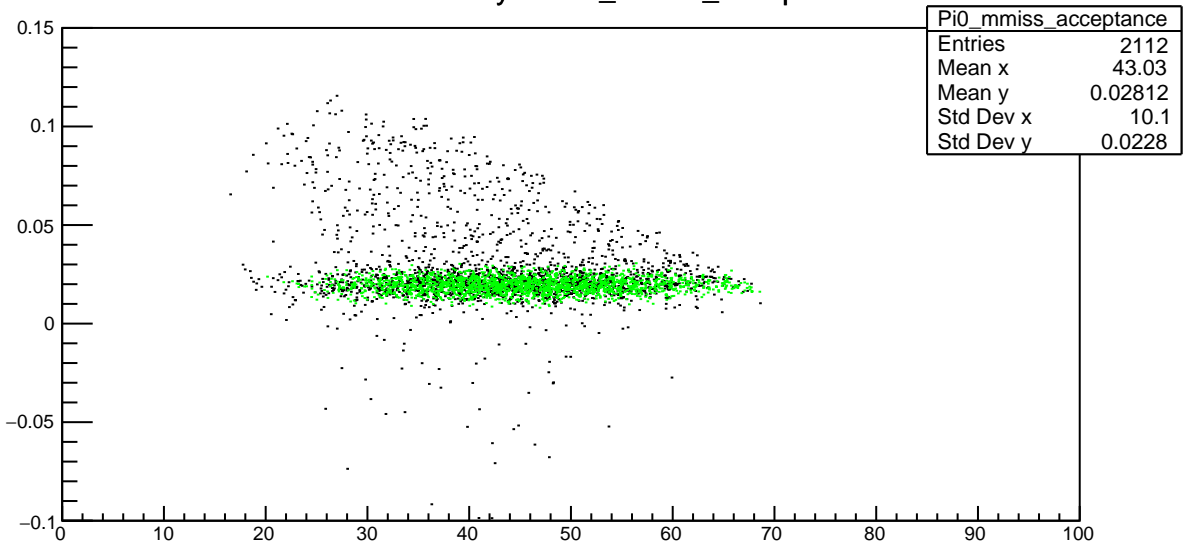
Plot 10 TwoPhotonAnalysis/Pi0_mmiss_acceptance

11



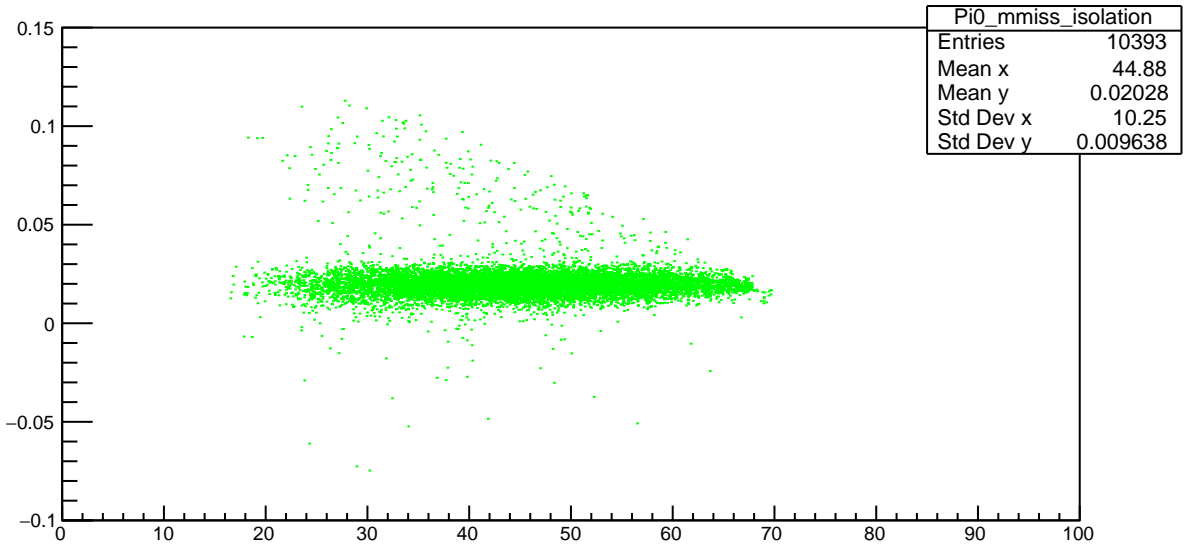
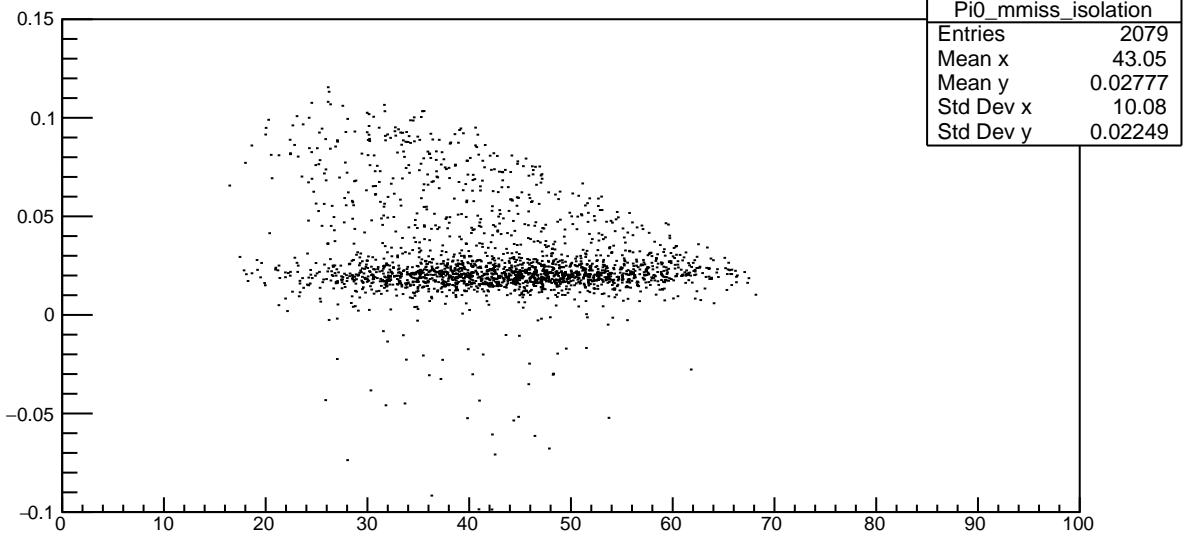
Plot 10 TwoPhotonAnalysis/Pi0_mmiss_acceptance

11



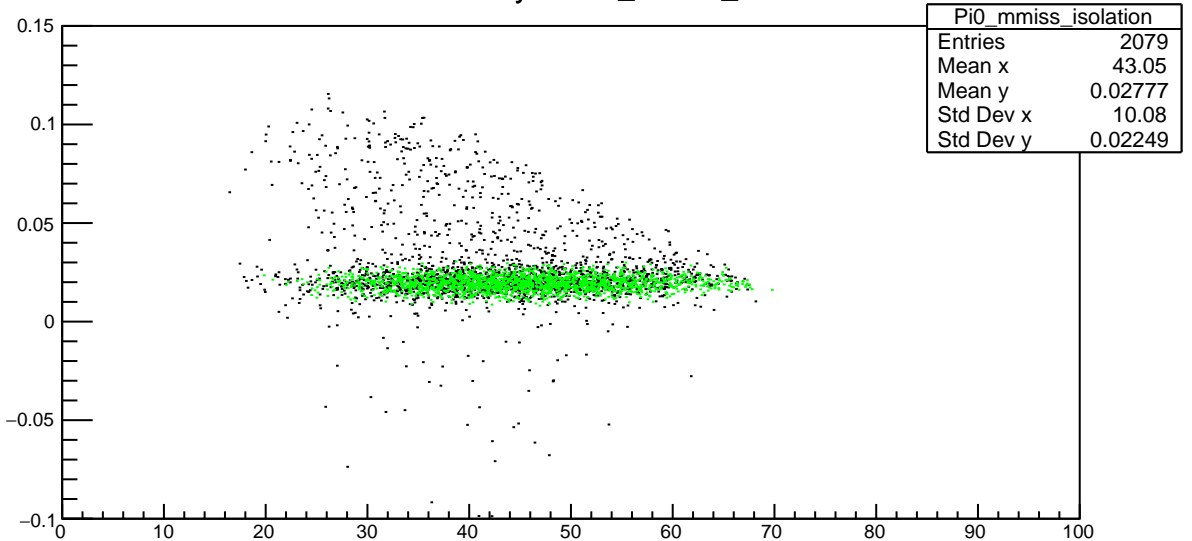
Plot 11 TwoPhotonAnalysis/Pi0_mmiss_isolation

12



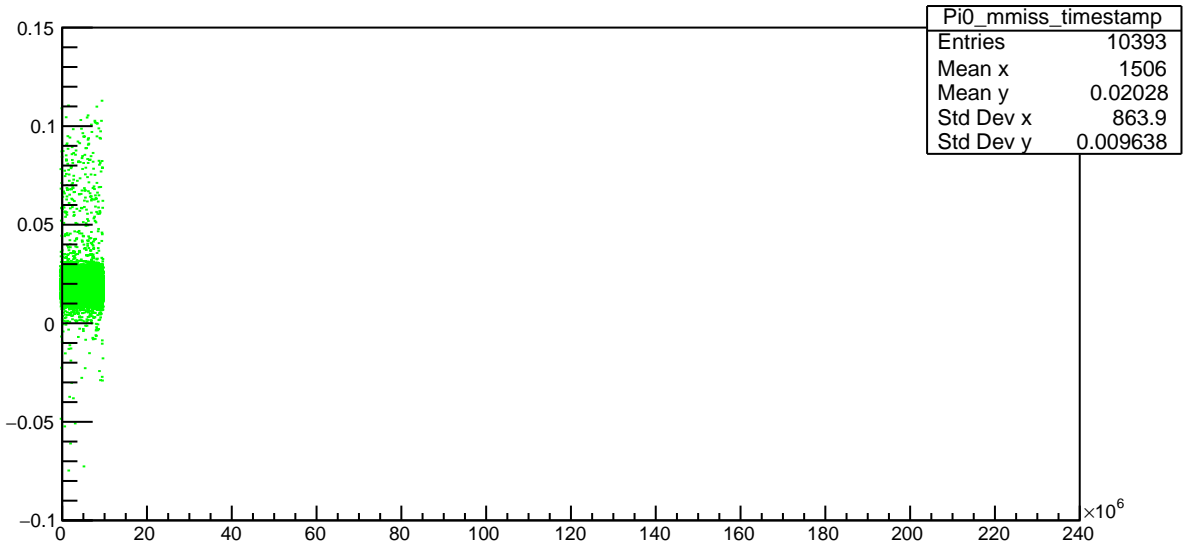
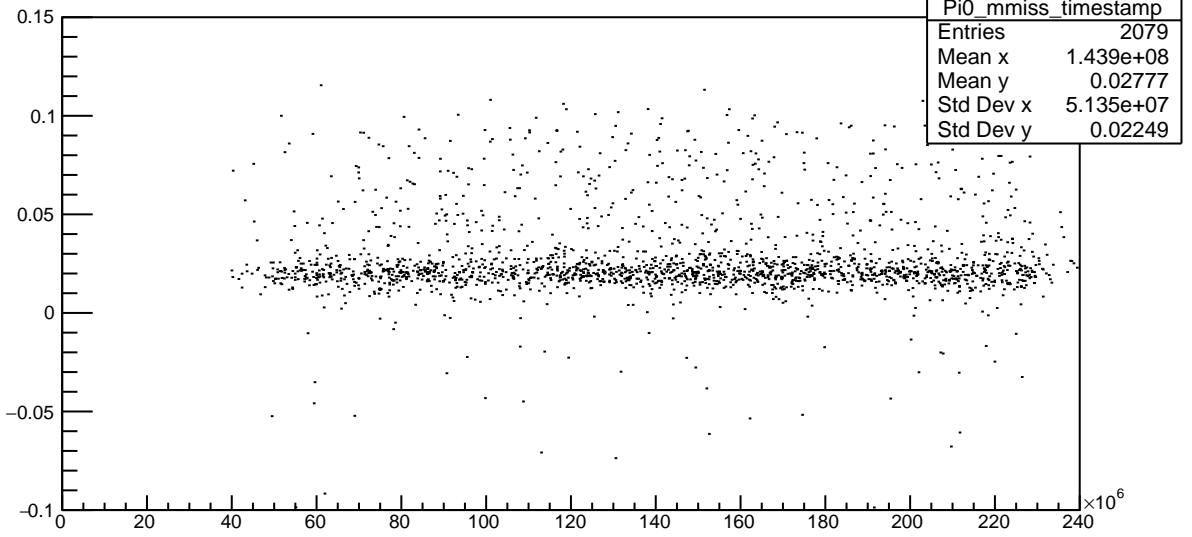
Plot 11 TwoPhotonAnalysis/Pi0_mmiss_isolation

12



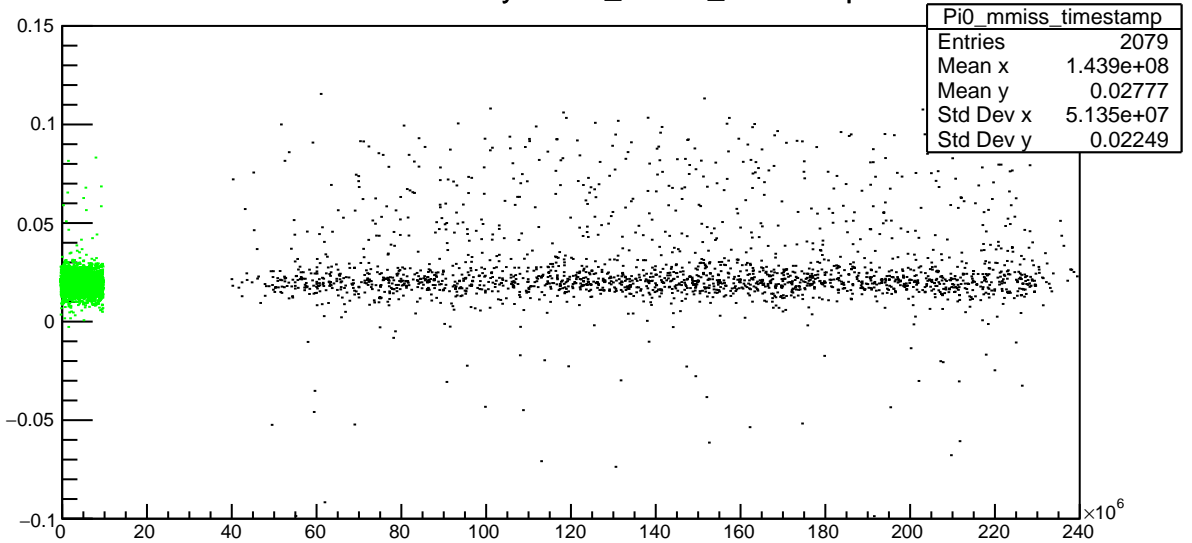
Plot 12 TwoPhotonAnalysis/Pi0_mmiss_timestamp

13



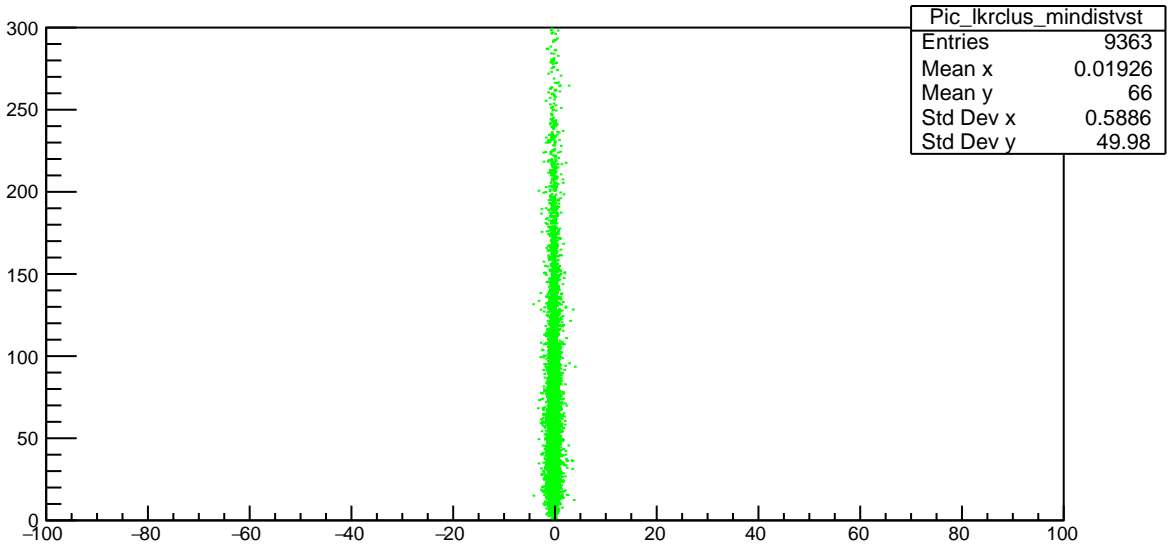
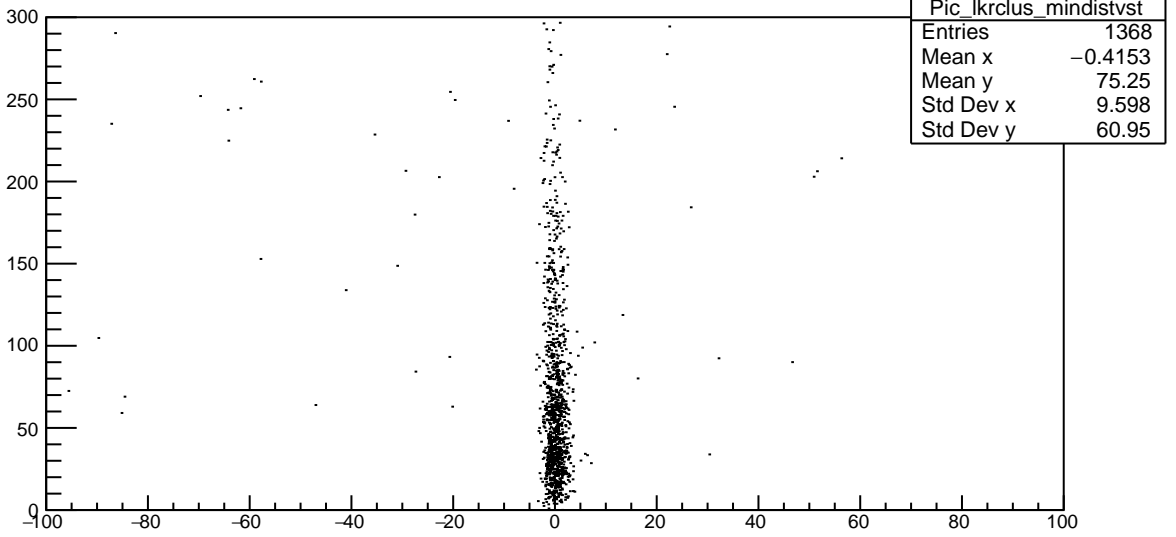
Plot 12 TwoPhotonAnalysis/Pi0_mmiss_timestamp

13



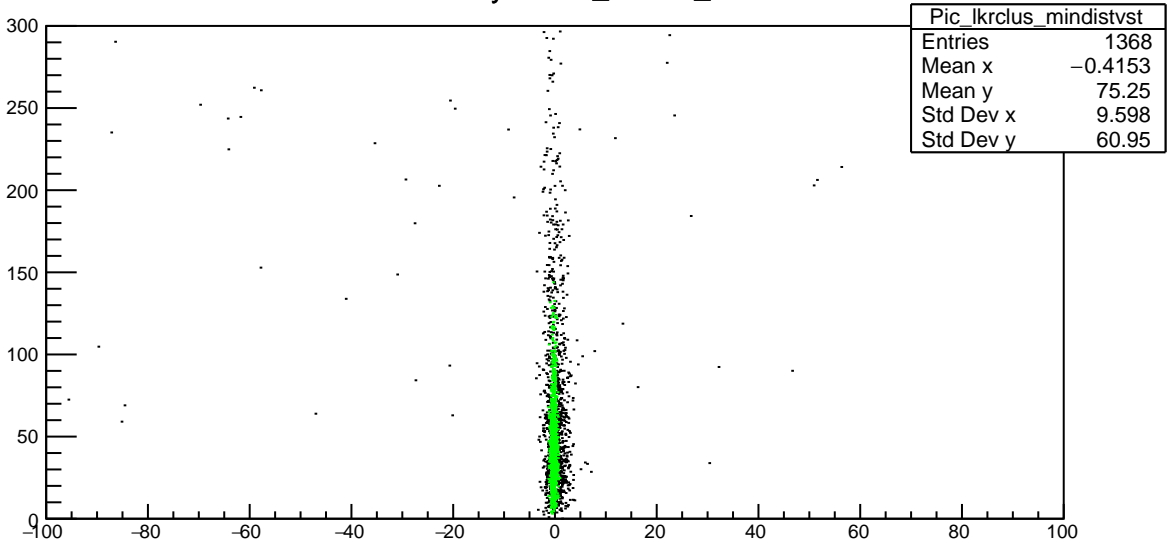
Plot 13 TwoPhotonAnalysis/Pic_lkrclus_mindistvst

14



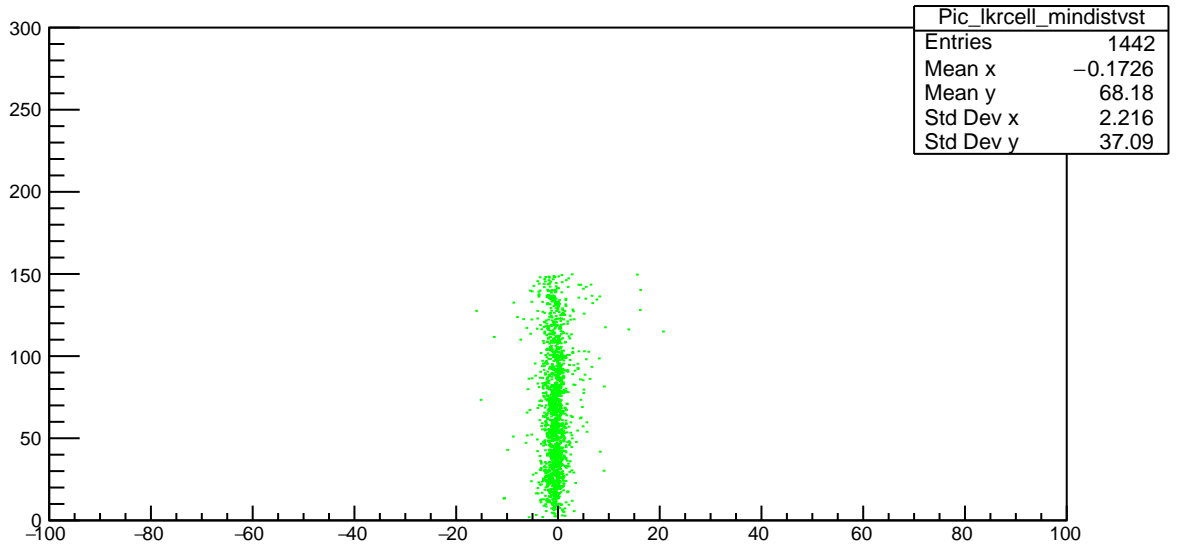
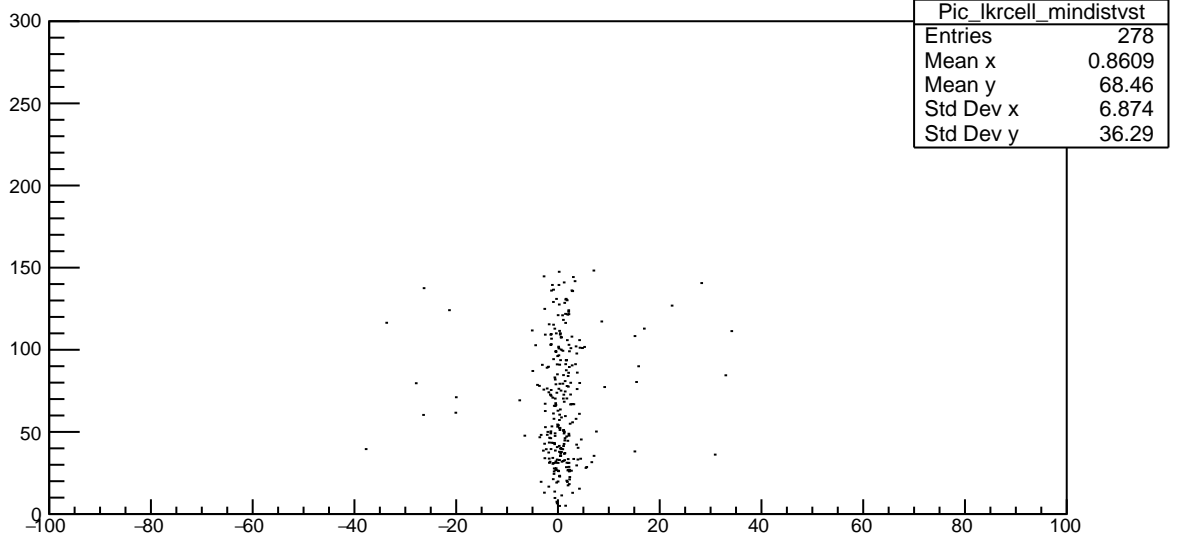
Plot 13 TwoPhotonAnalysis/Pic_lkrclus_mindistvst

14



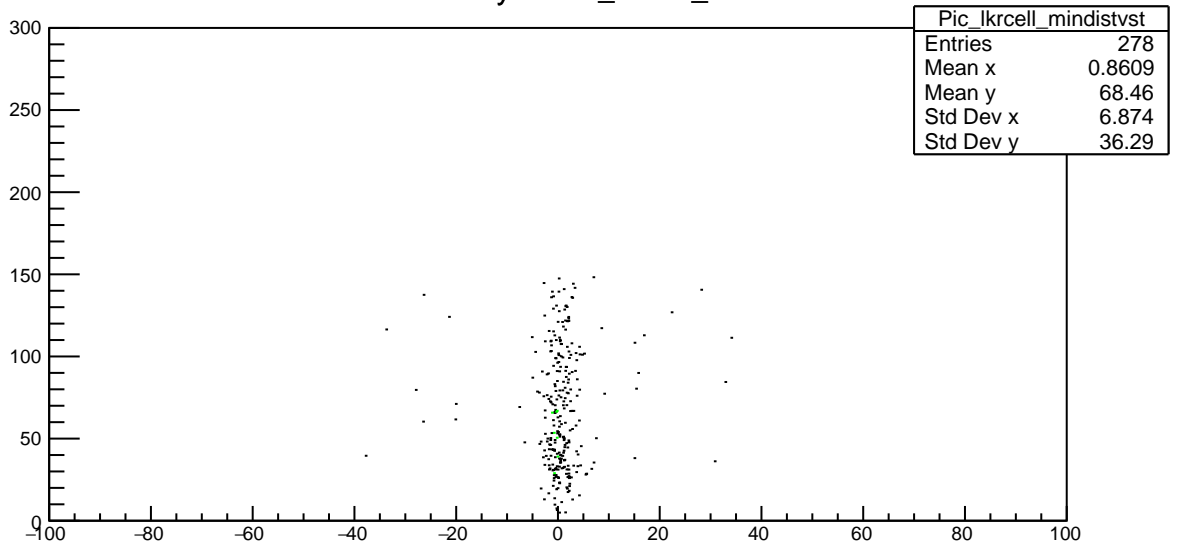
Plot 14 TwoPhotonAnalysis/Pic_lkr cell_mindistvst

15

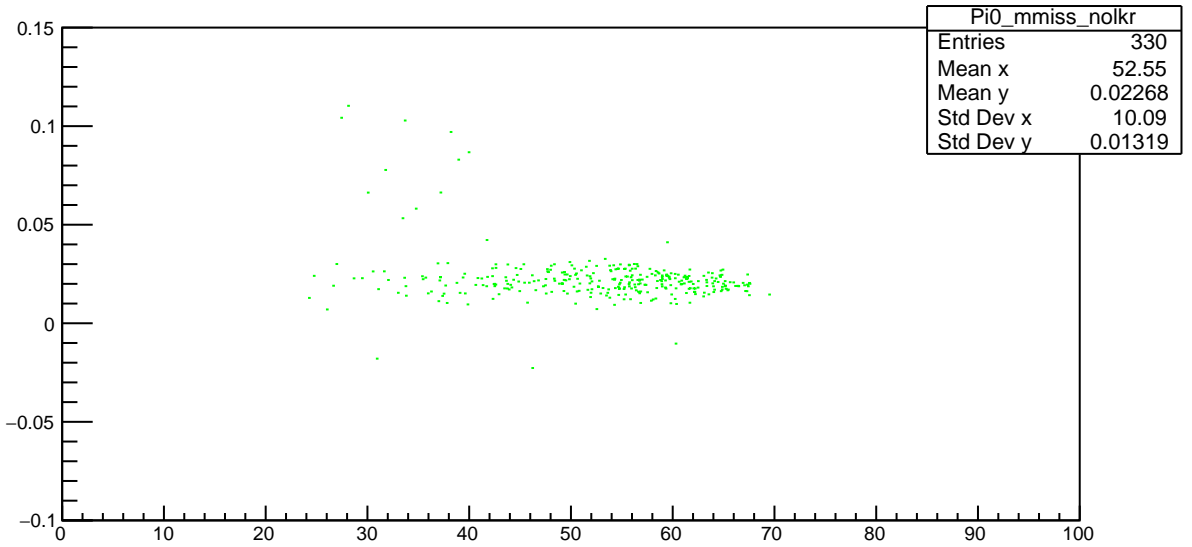
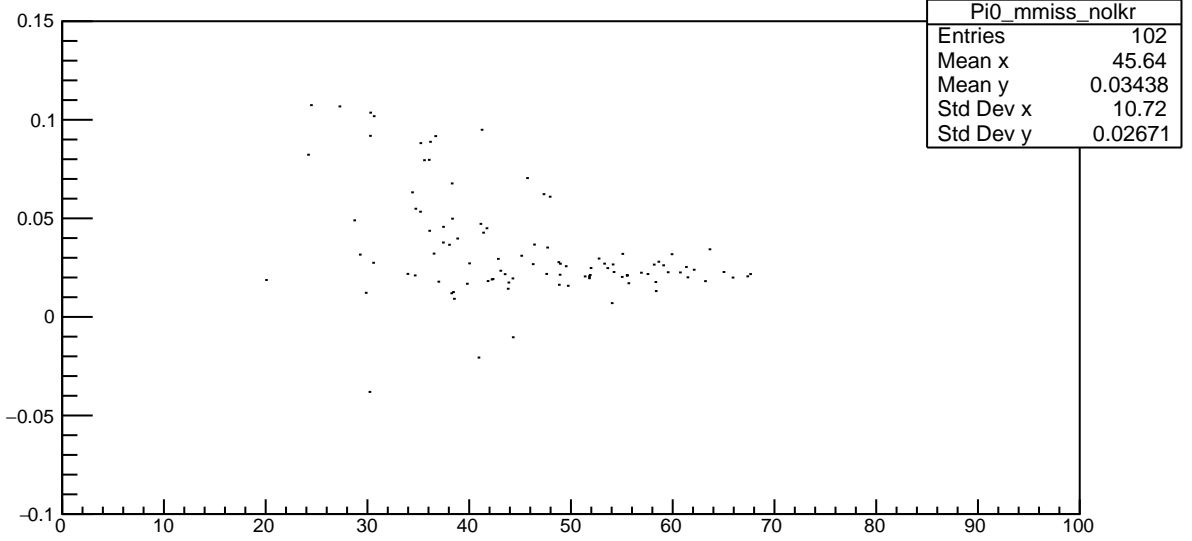


Plot 14 TwoPhotonAnalysis/Pic_lkr cell_mindistvst

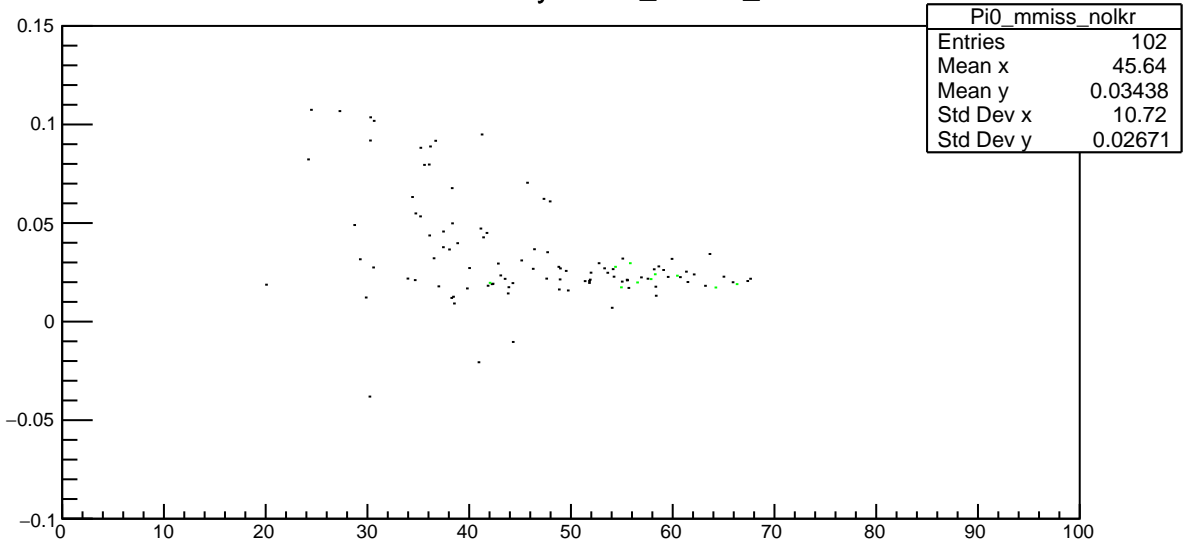
15



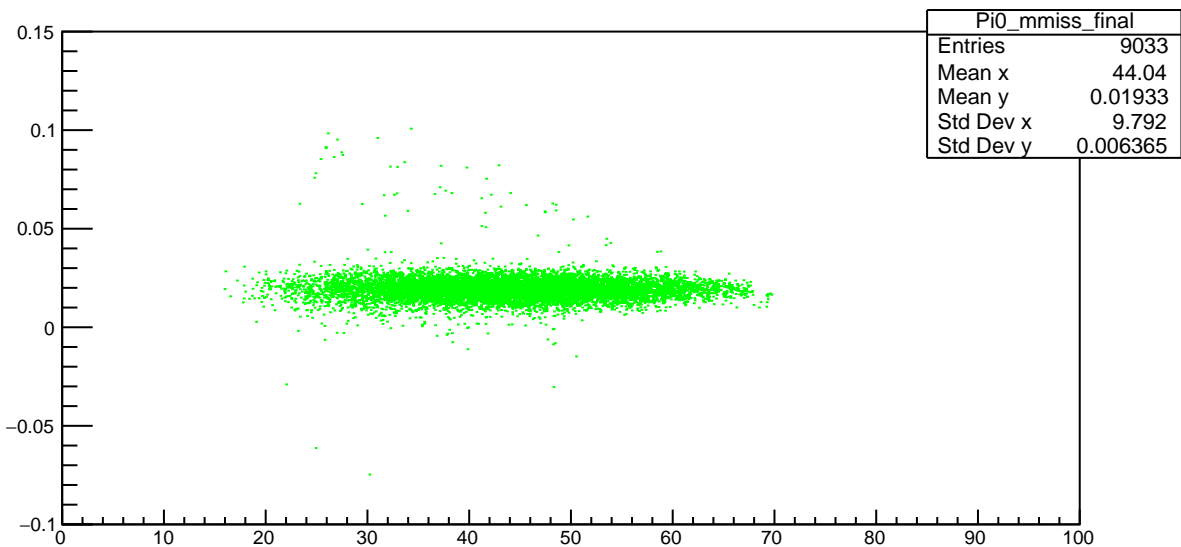
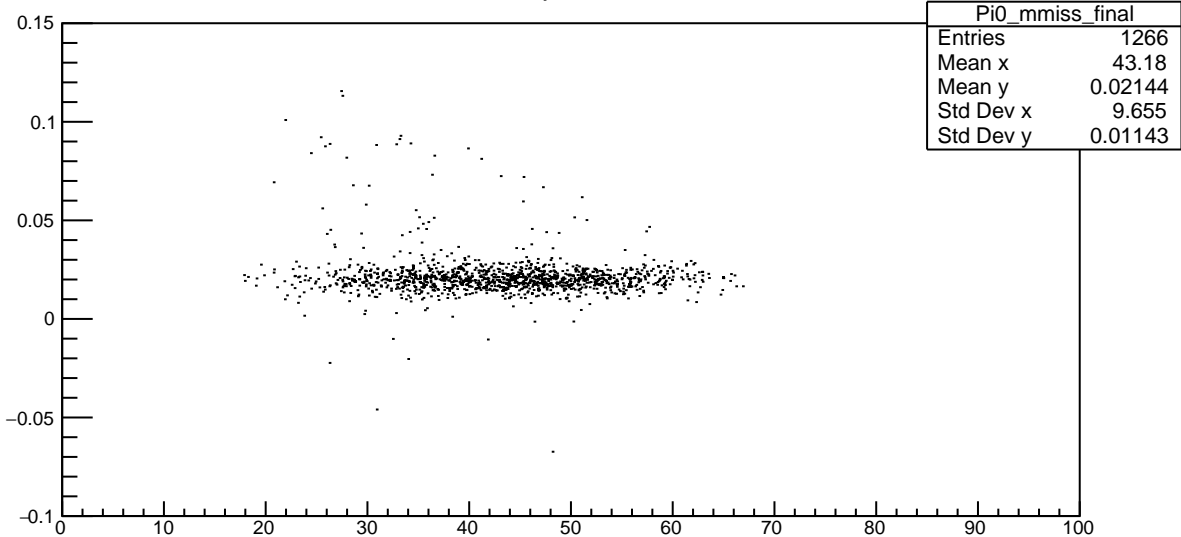
Plot 15 TwoPhotonAnalysis/Pi0_mmiss_nolkr 16



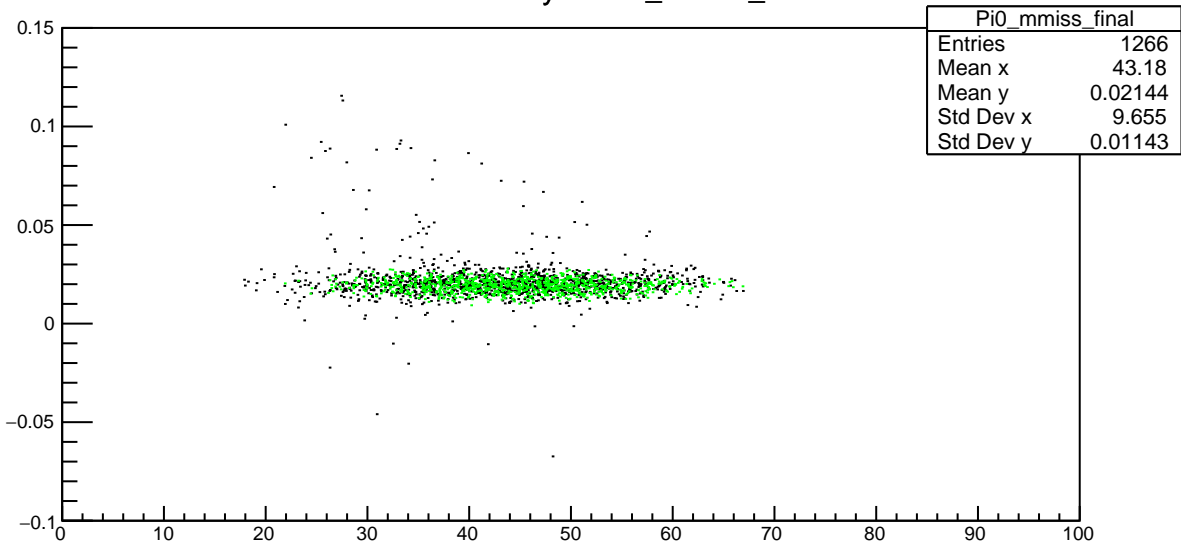
Plot 15 TwoPhotonAnalysis/Pi0_mmiss_nolkr 16



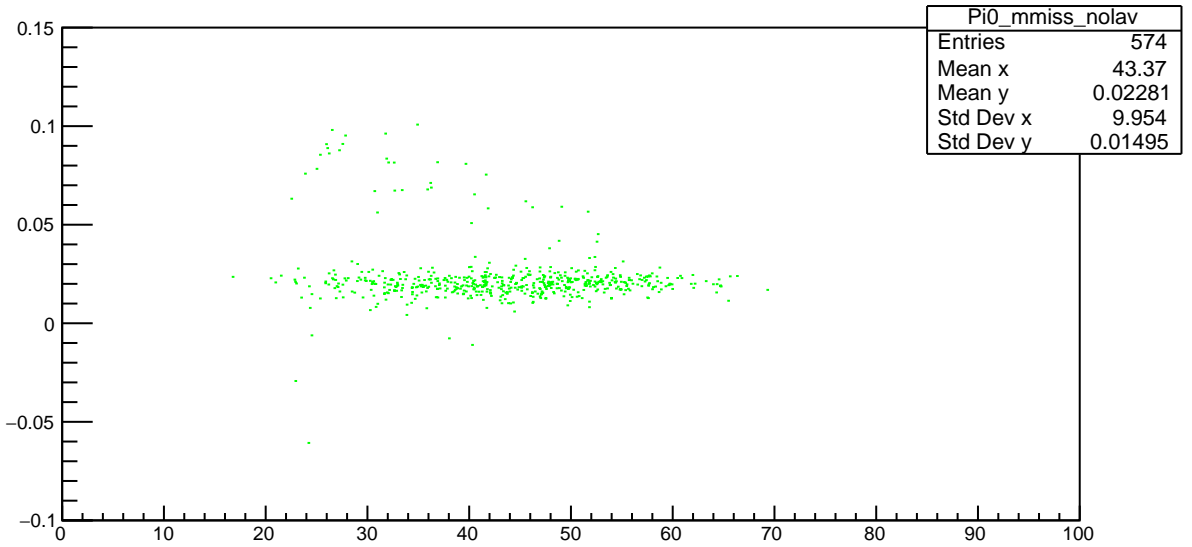
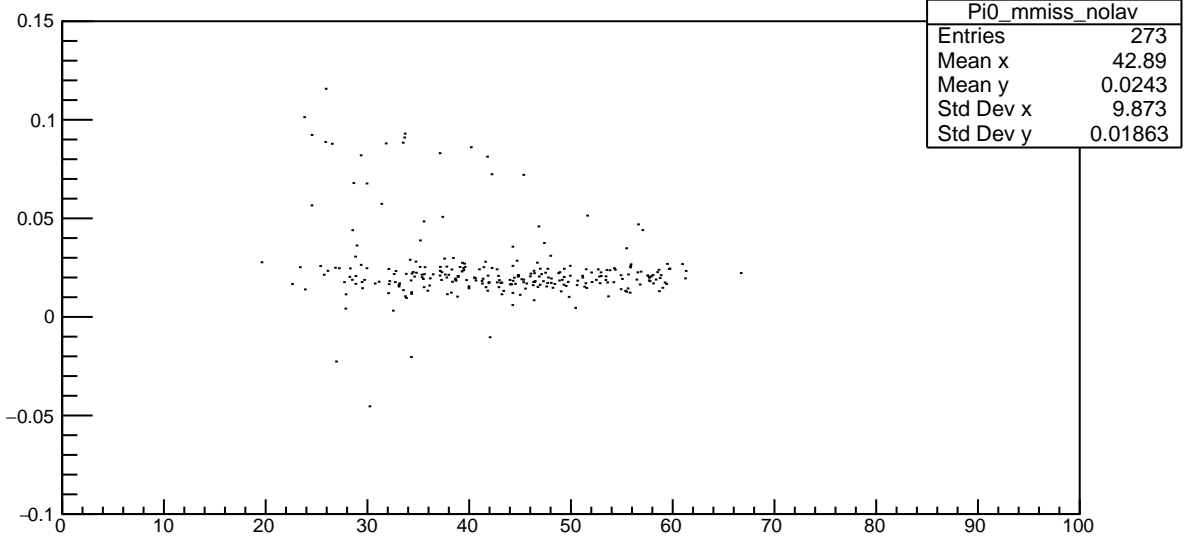
Plot 16 TwoPhotonAnalysis/Pi0_mmiss_final 17



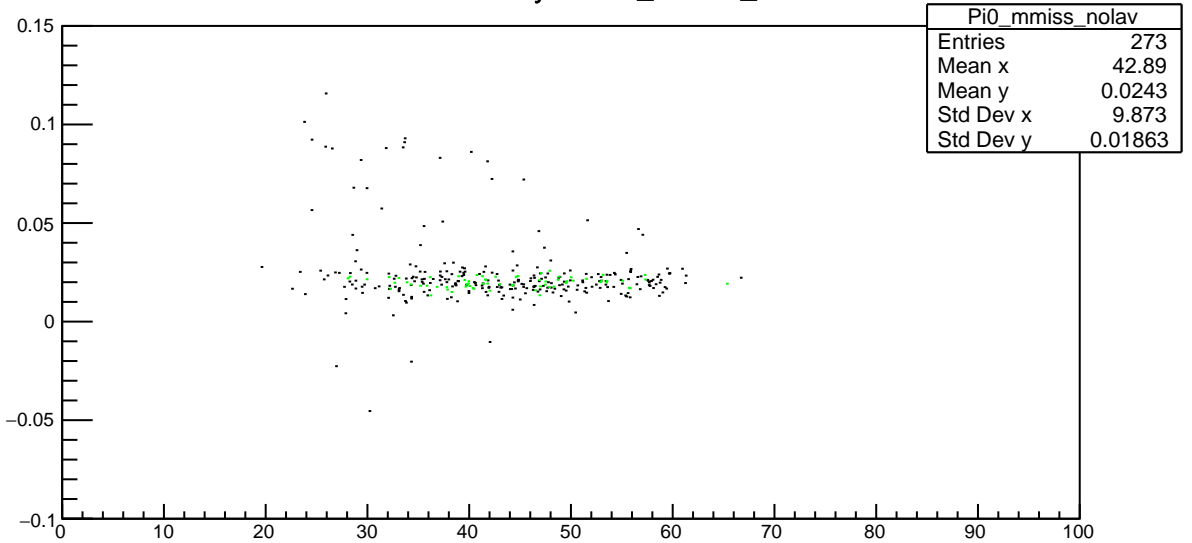
Plot 16 TwoPhotonAnalysis/Pi0_mmiss_final 17



Plot 17 TwoPhotonAnalysis/Pi0_mmiss_nolav 18

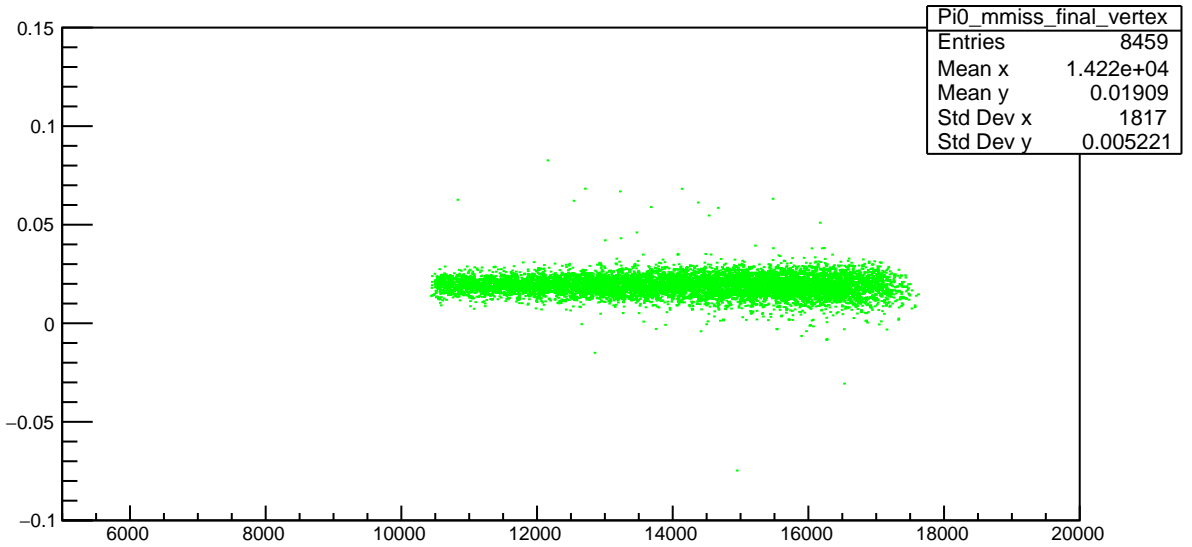
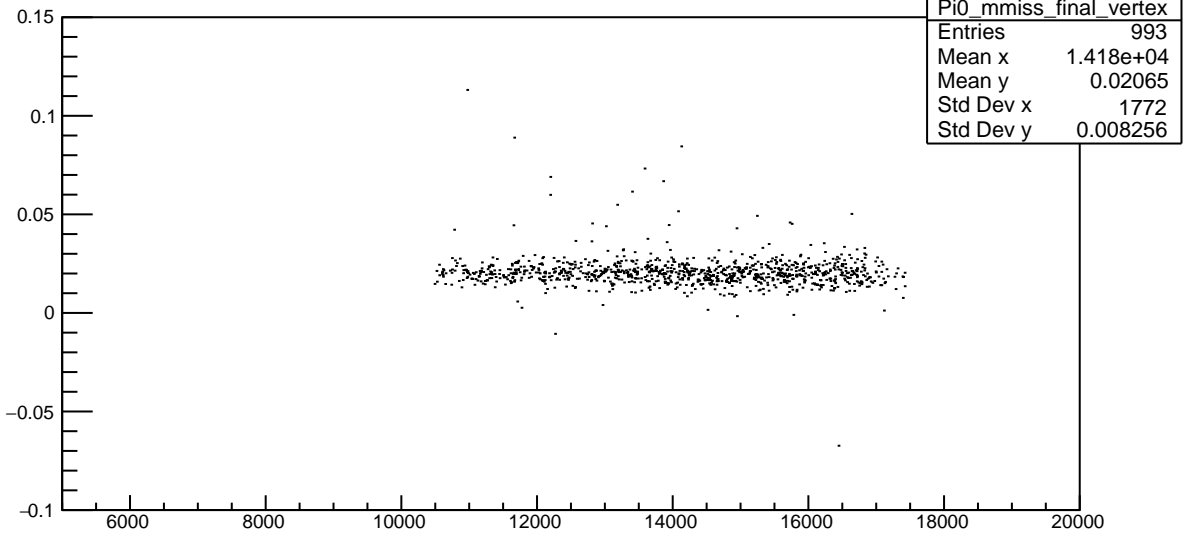


Plot 17 TwoPhotonAnalysis/Pi0_mmiss_nolav 18



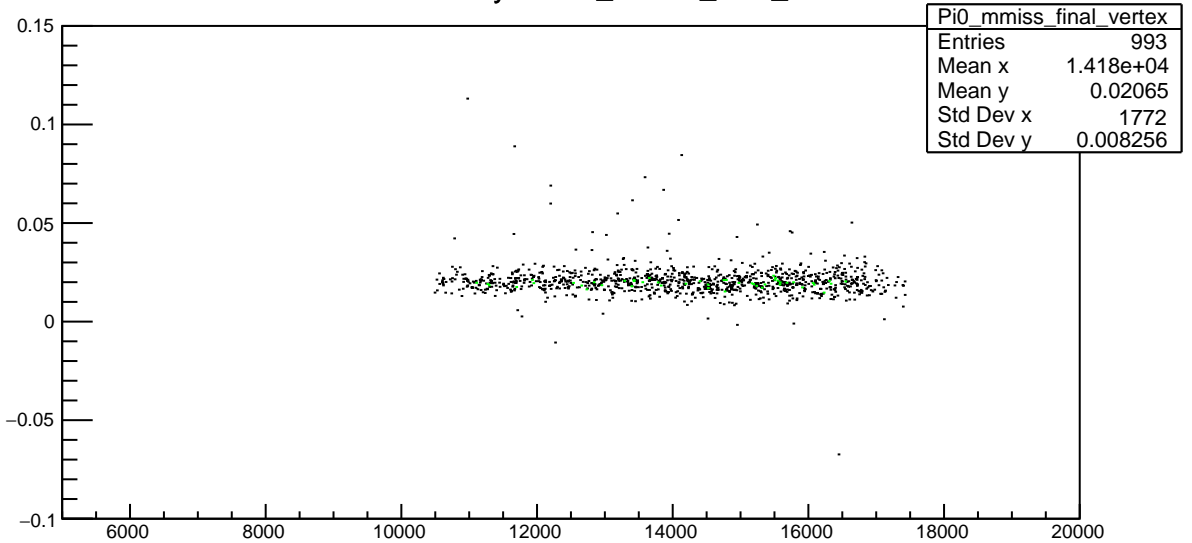
Plot 18 TwoPhotonAnalysis/Pi0_mmiss_final_vertex

19

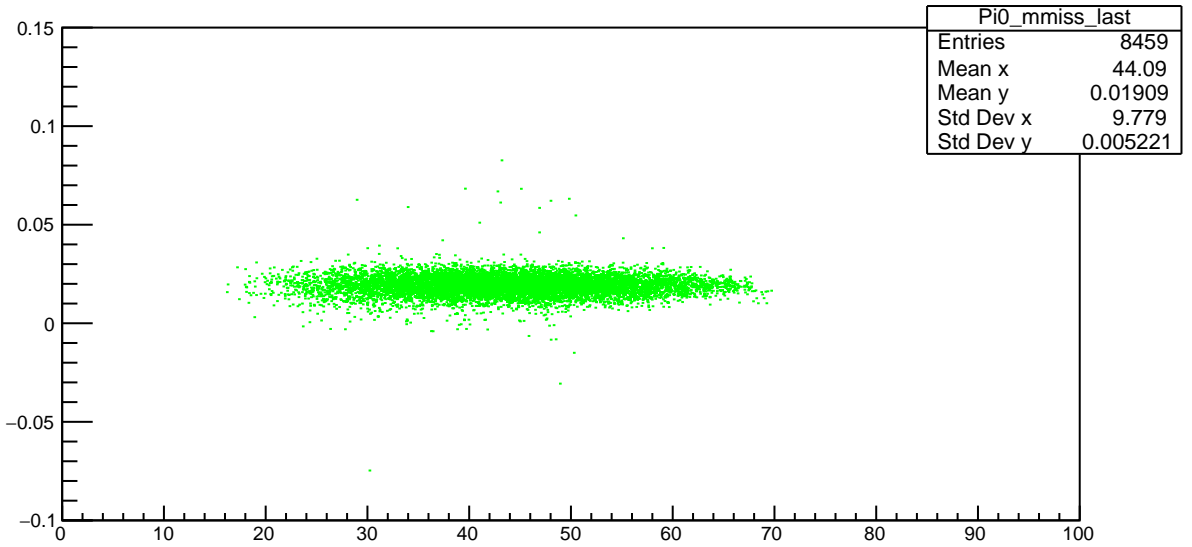
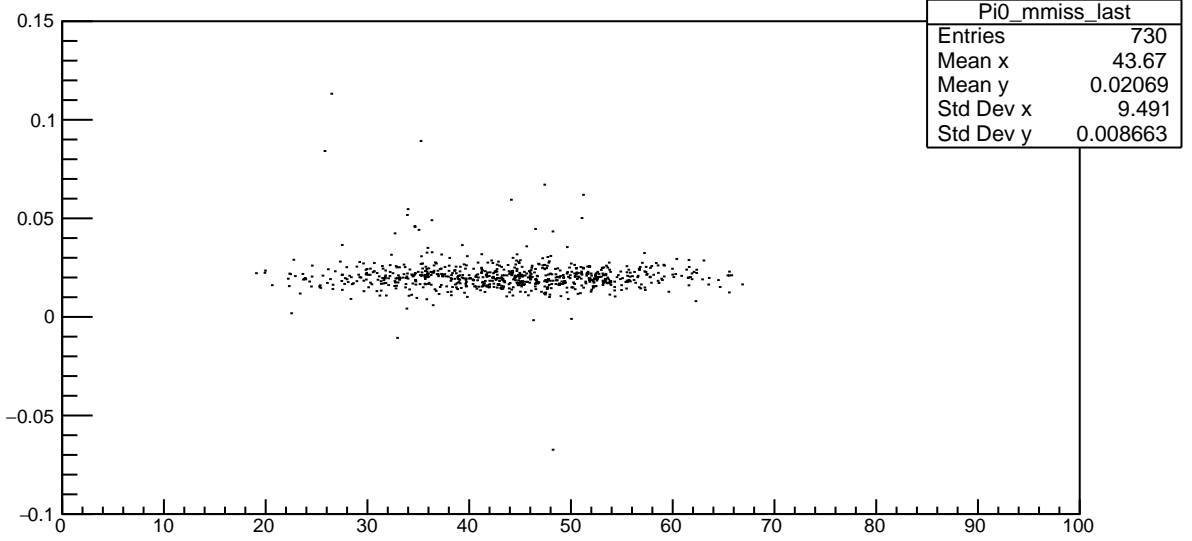


Plot 18 TwoPhotonAnalysis/Pi0_mmiss_final_vertex

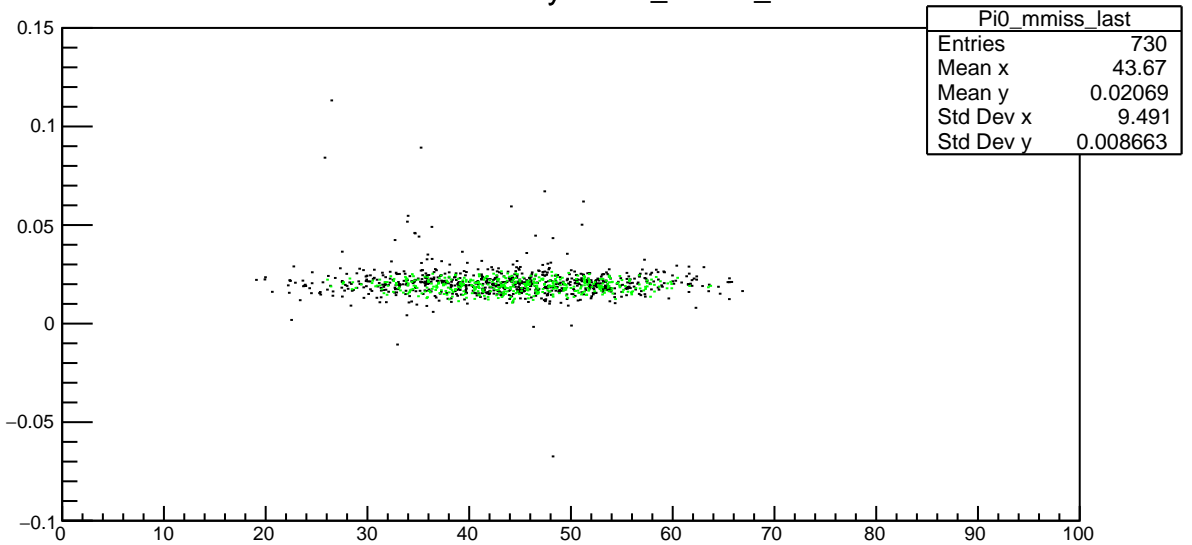
19



Plot 19 TwoPhotonAnalysis/Pi0_mmiss_last 20

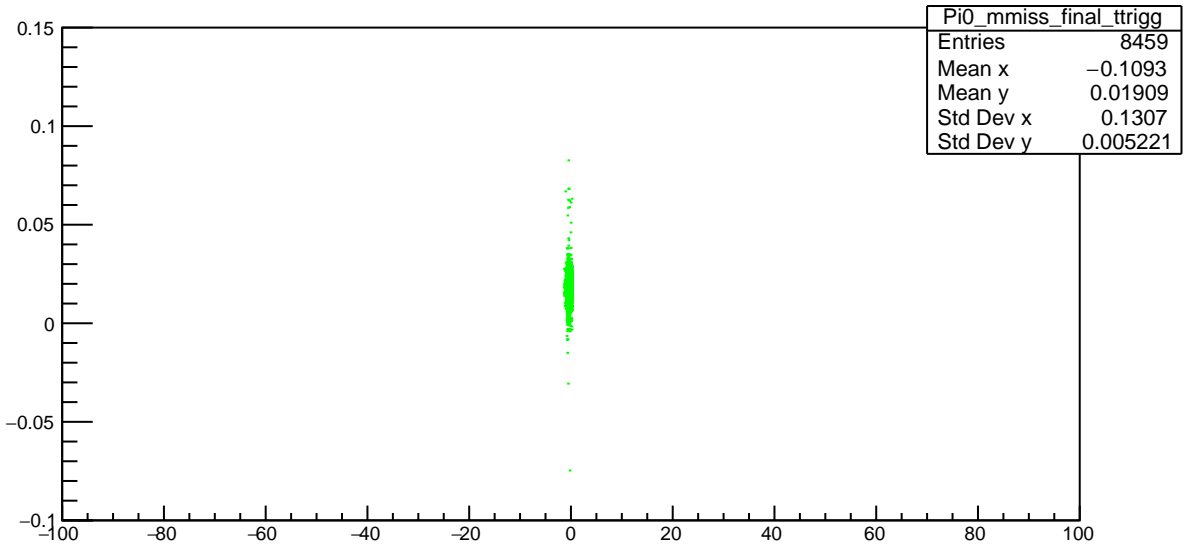
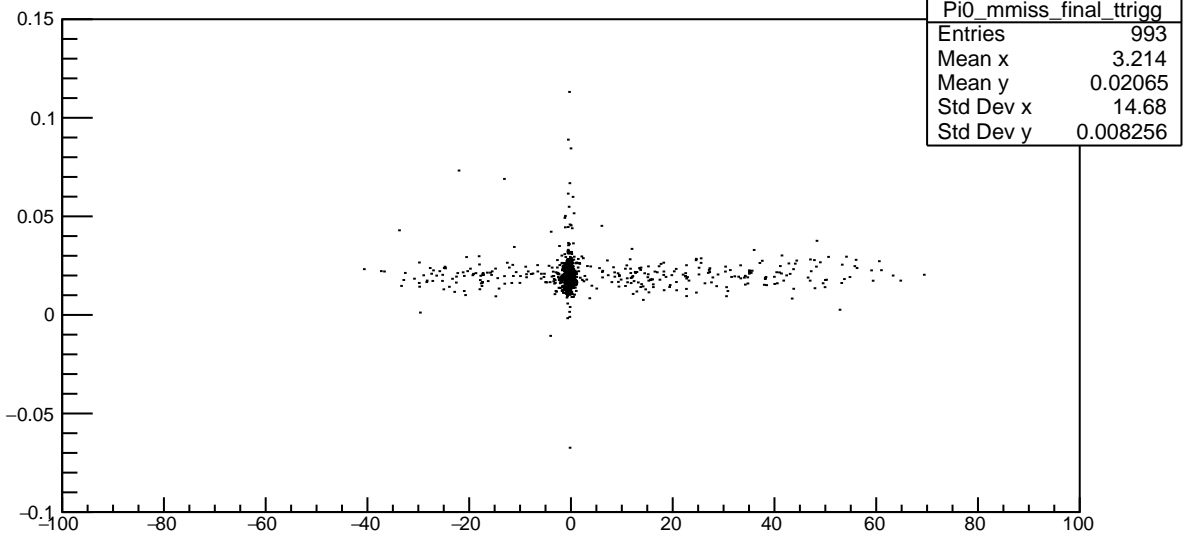


Plot 19 TwoPhotonAnalysis/Pi0_mmiss_last 20



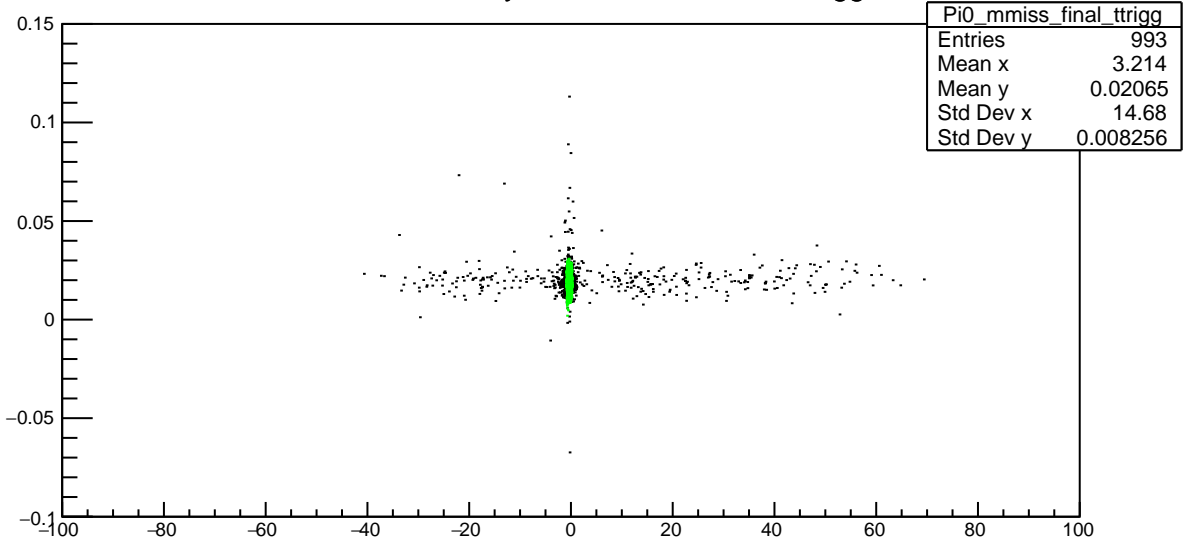
Plot 20 TwoPhotonAnalysis/Pi0_mmiss_final_trigg

21

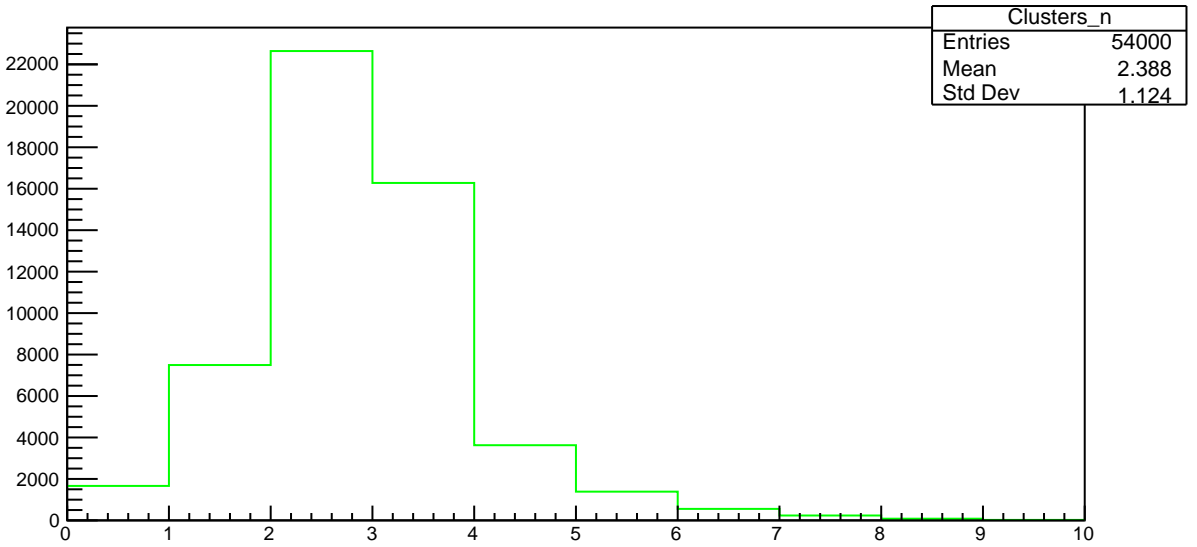
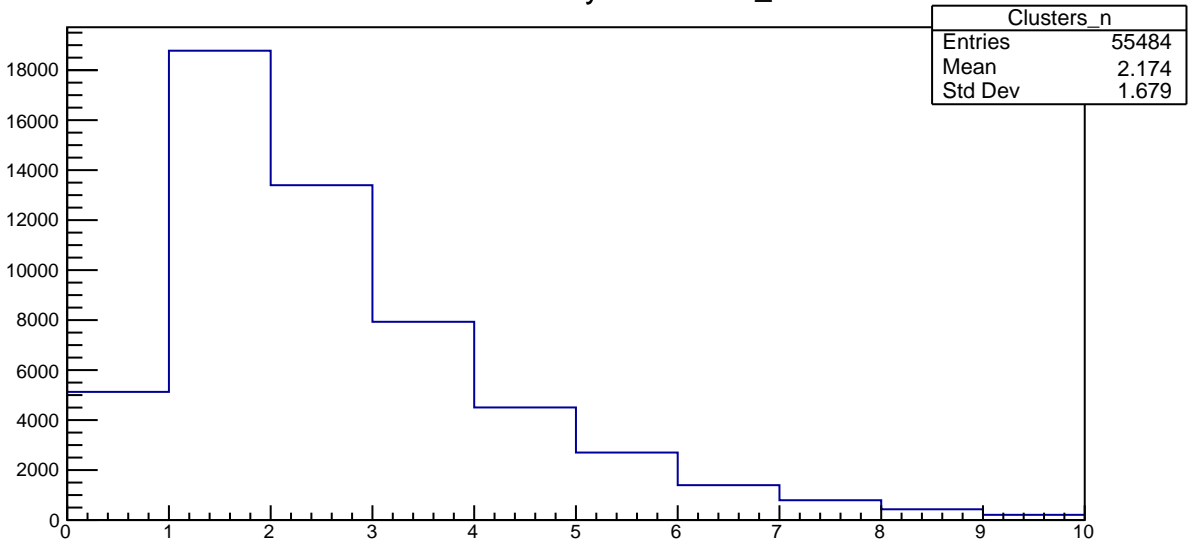


Plot 20 TwoPhotonAnalysis/Pi0_mmiss_final_trigg

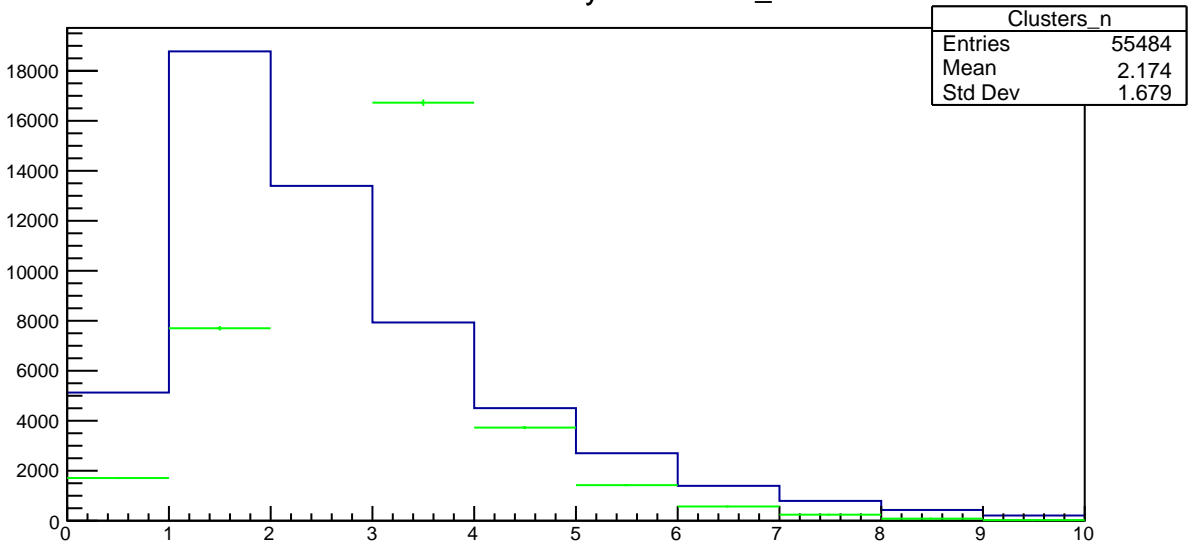
21



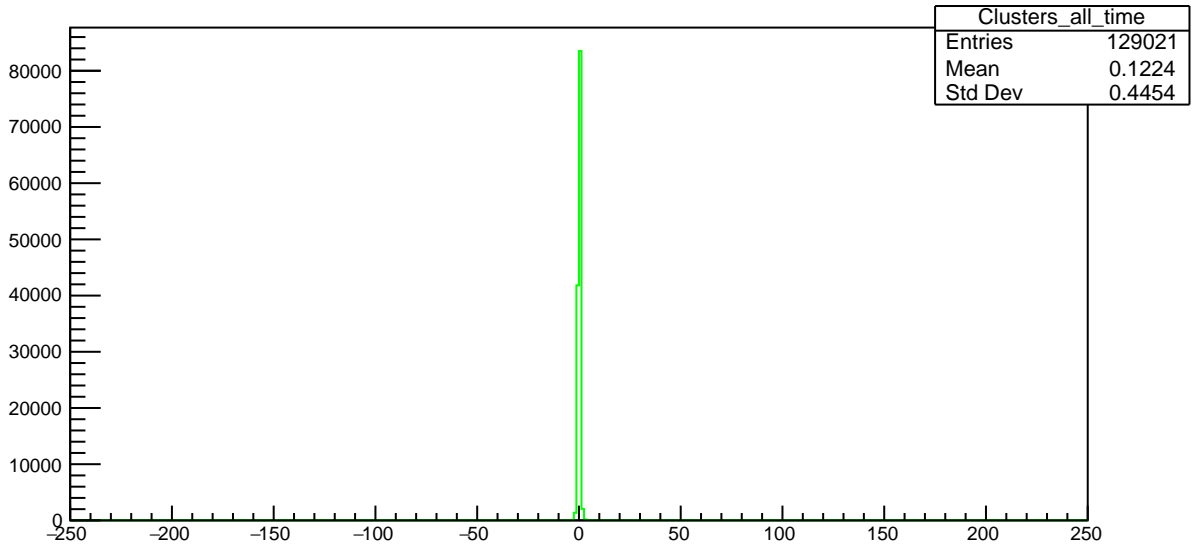
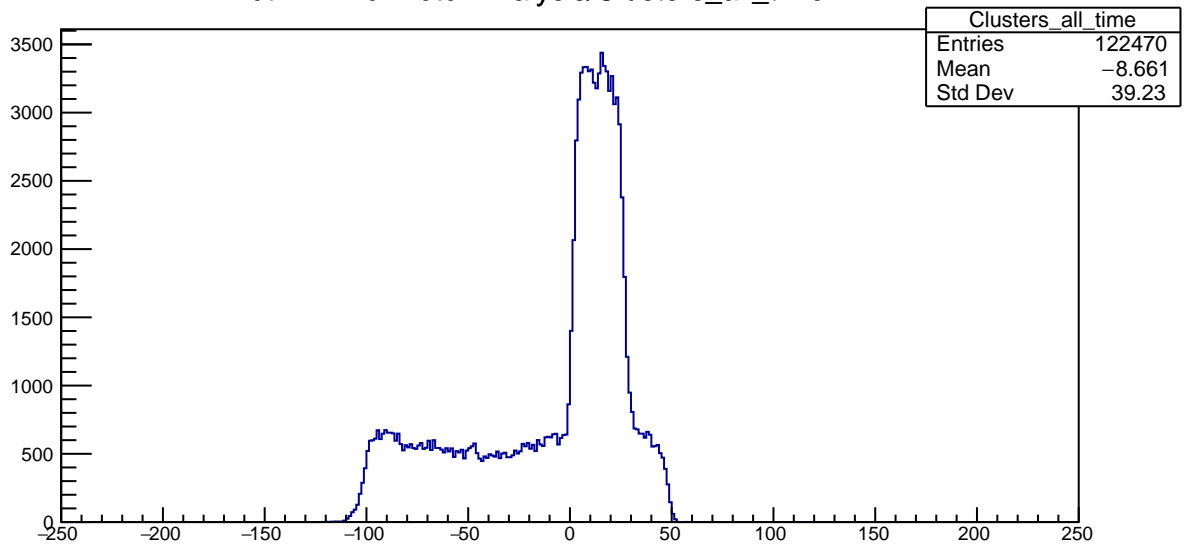
Plot 21 TwoPhotonAnalysis/Clusters_n 23



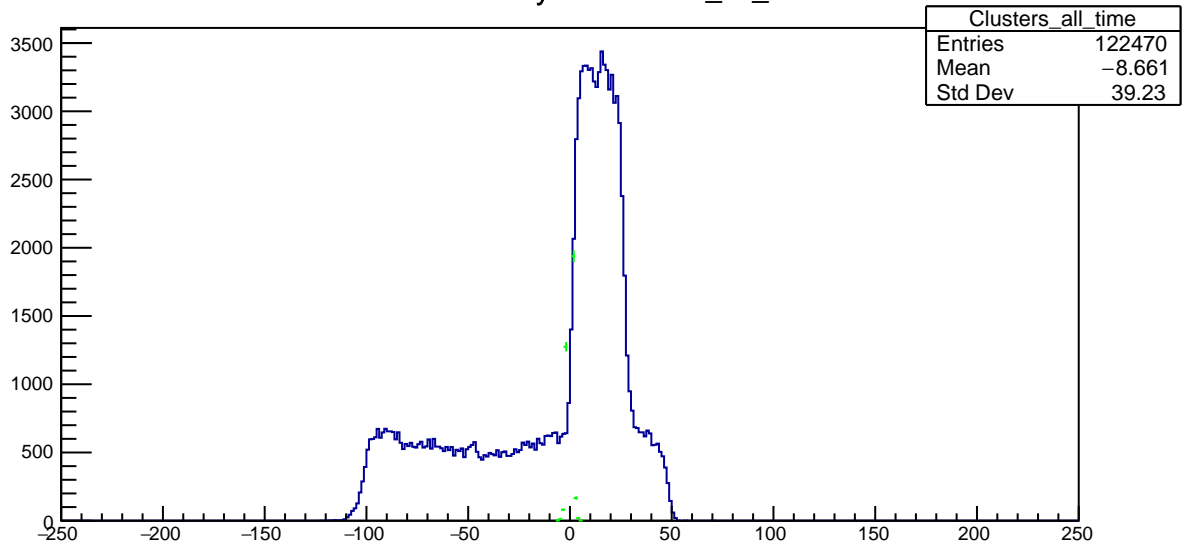
Plot 21 TwoPhotonAnalysis/Clusters_n 23



Plot 22 TwoPhotonAnalysis/Clusters_all_time 24



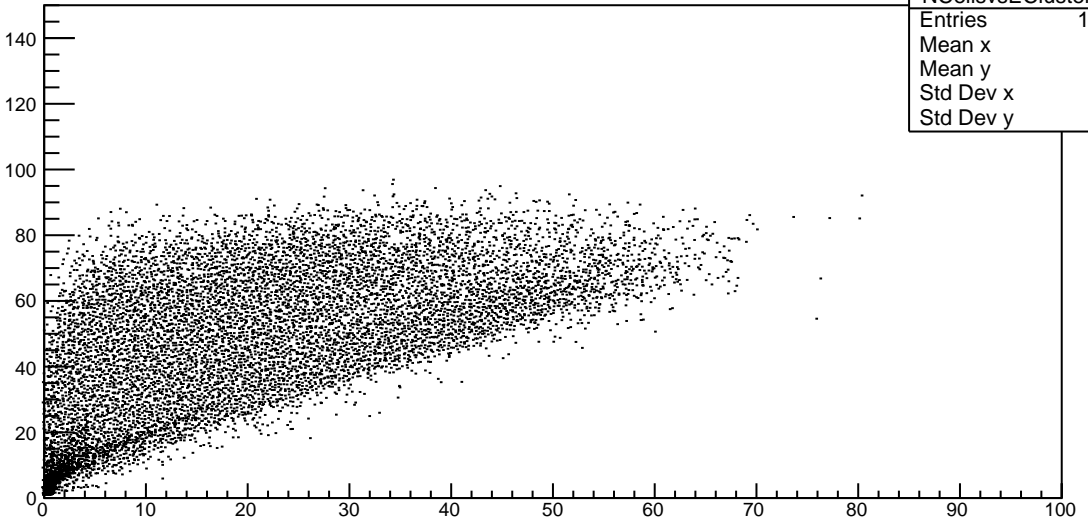
Plot 22 TwoPhotonAnalysis/Clusters_all_time 24



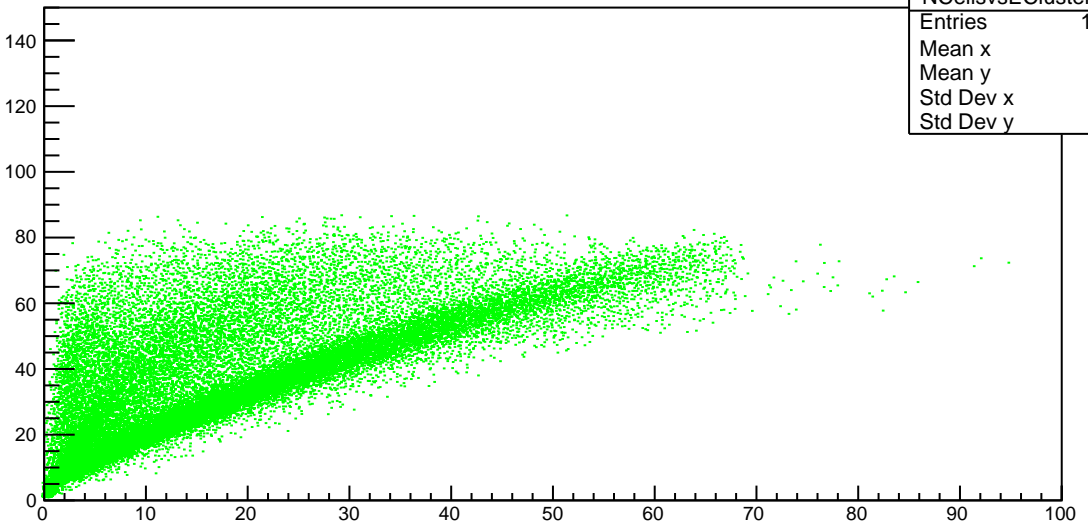
Plot 23 TwoPhotonAnalysis/NCellsvsEClusters_raw

25

NCellsvsEClusters_raw	
Entries	122470
Mean x	7.793
Mean y	19.42
Std Dev x	11.1
Std Dev y	20.72



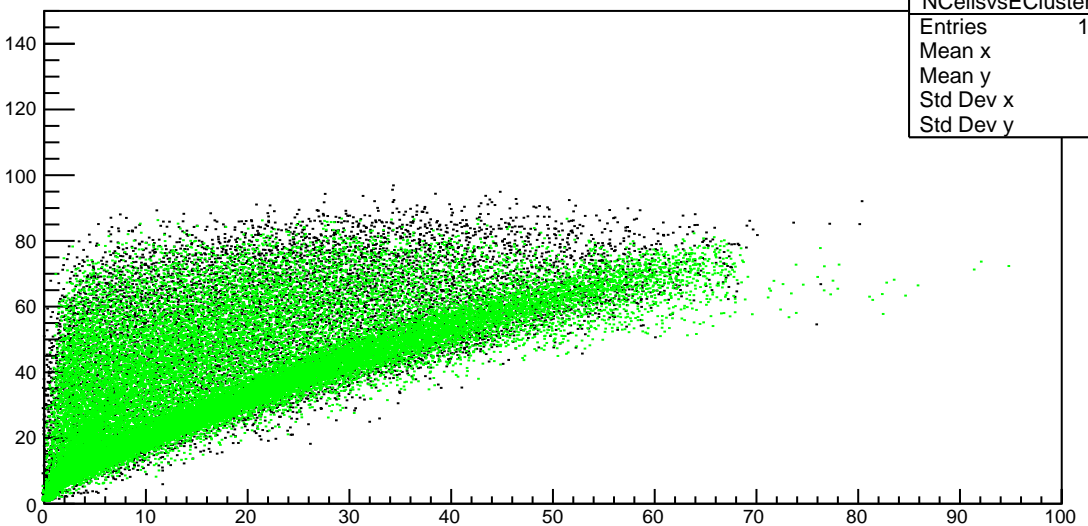
NCellsvsEClusters_raw	
Entries	129021
Mean x	16.94
Mean y	32.86
Std Dev x	14.01
Std Dev y	18.43



Plot 23 TwoPhotonAnalysis/NCellsvsEClusters_raw

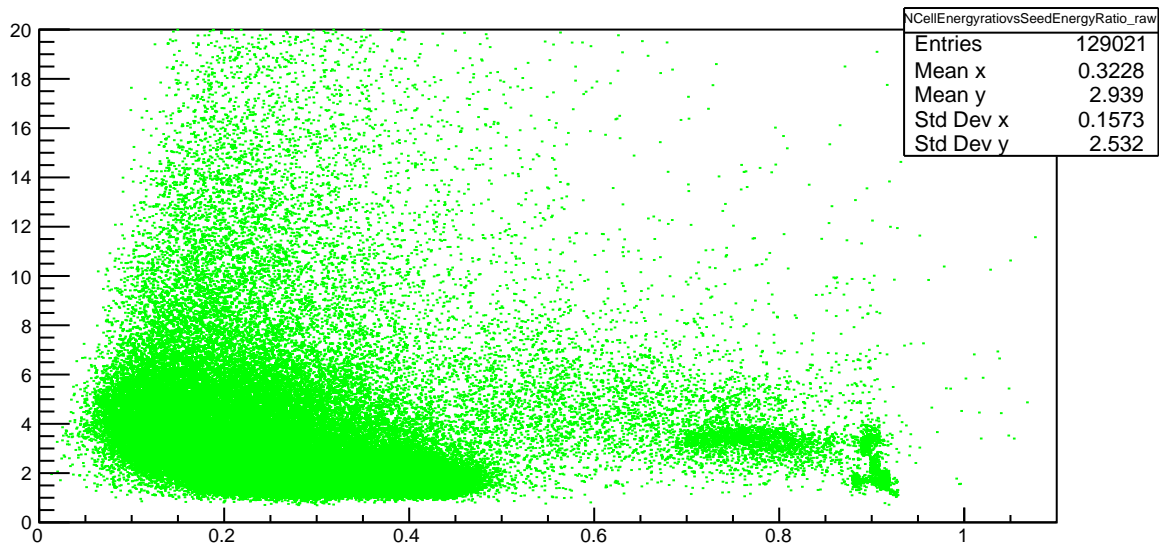
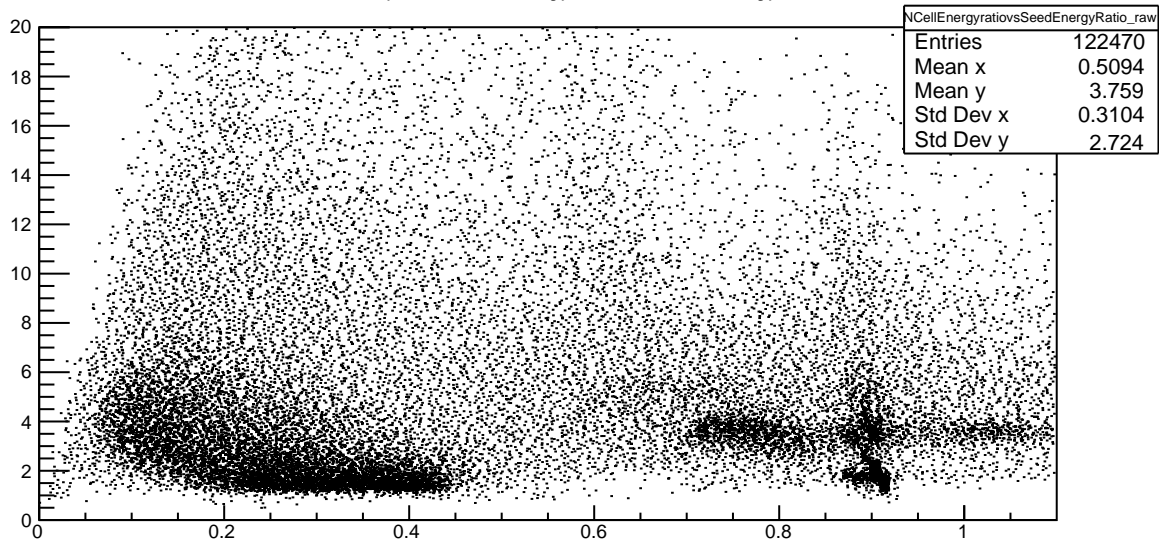
25

NCellsvsEClusters_raw	
Entries	122470
Mean x	7.793
Mean y	19.42
Std Dev x	11.1
Std Dev y	20.72



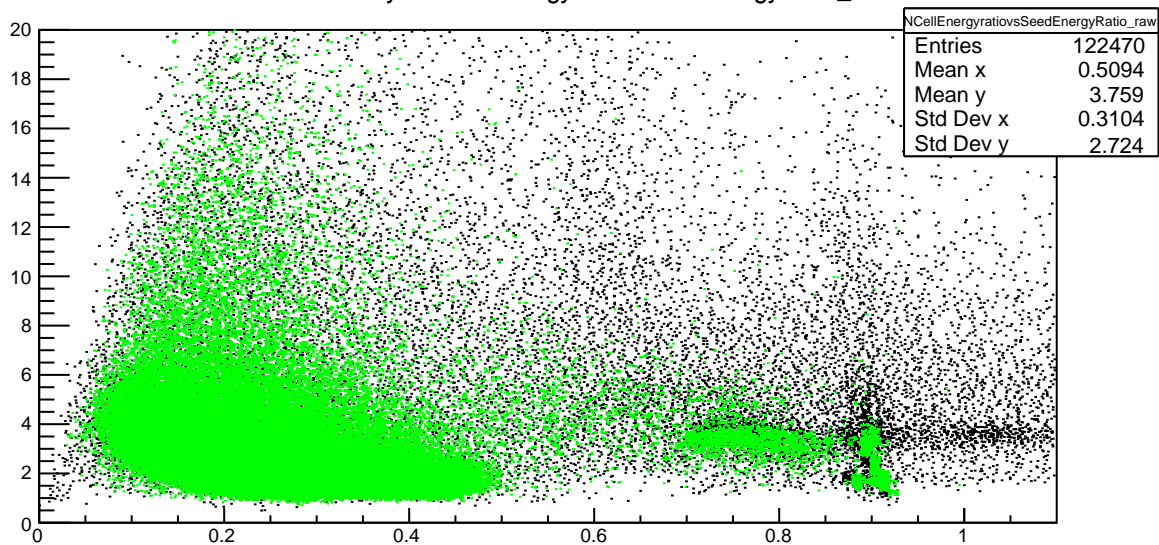
Plot 24 TwoPhotonAnalysis/NCellEnergyrativsSeedEnergyRatio_raw

26

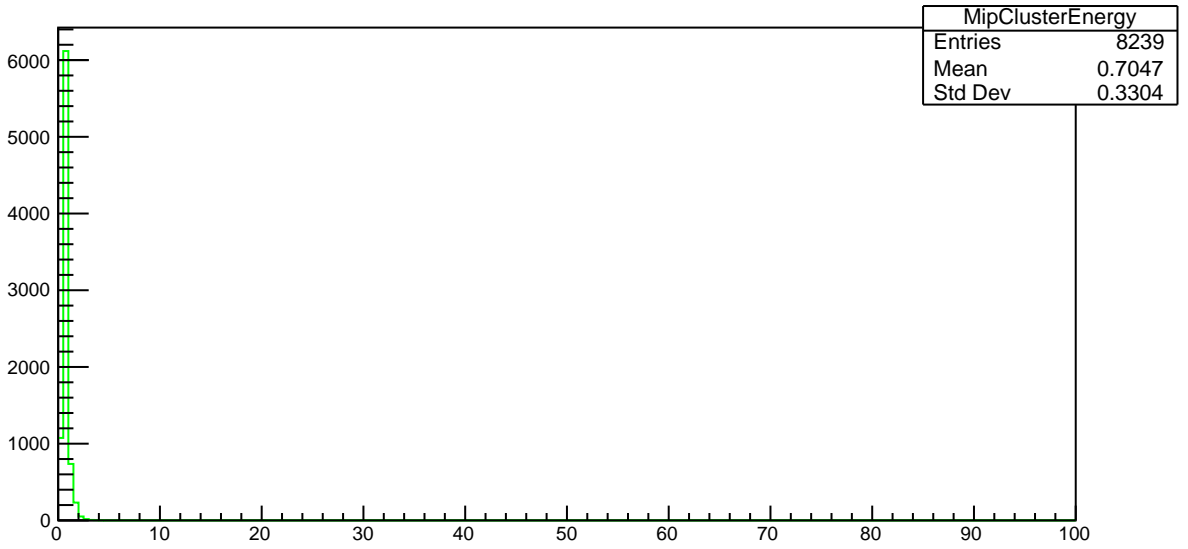
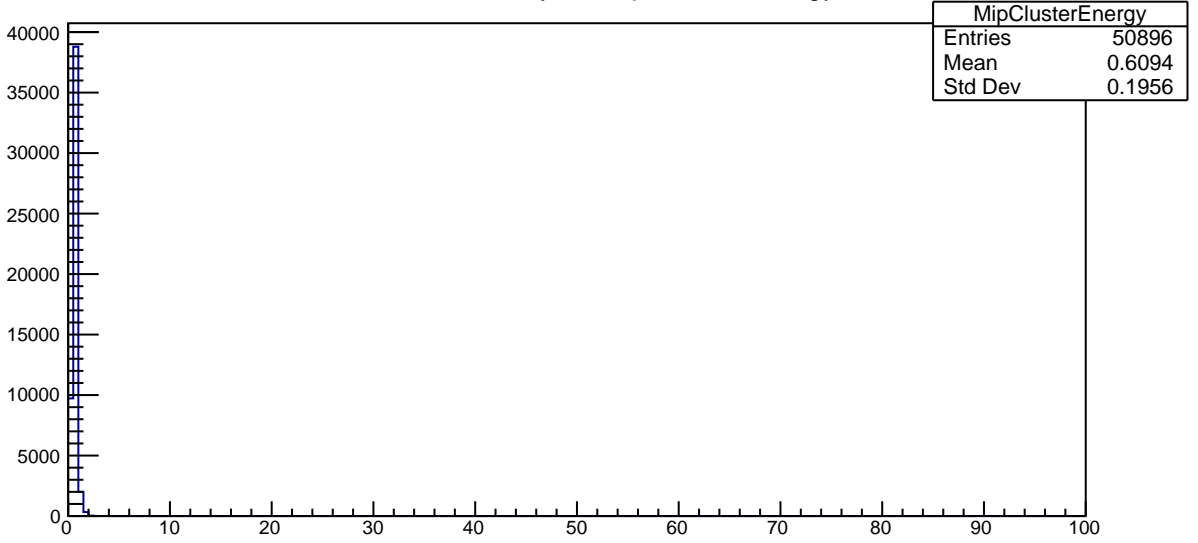


Plot 24 TwoPhotonAnalysis/NCellEnergyrativsSeedEnergyRatio_raw

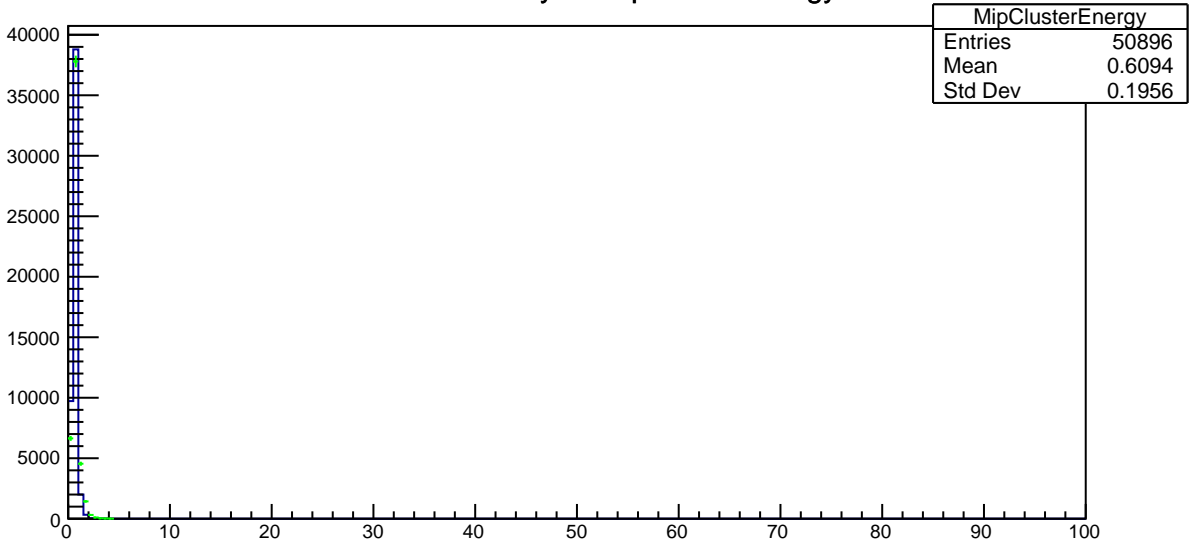
26



Plot 25 TwoPhotonAnalysis/MipClusterEnergy 27

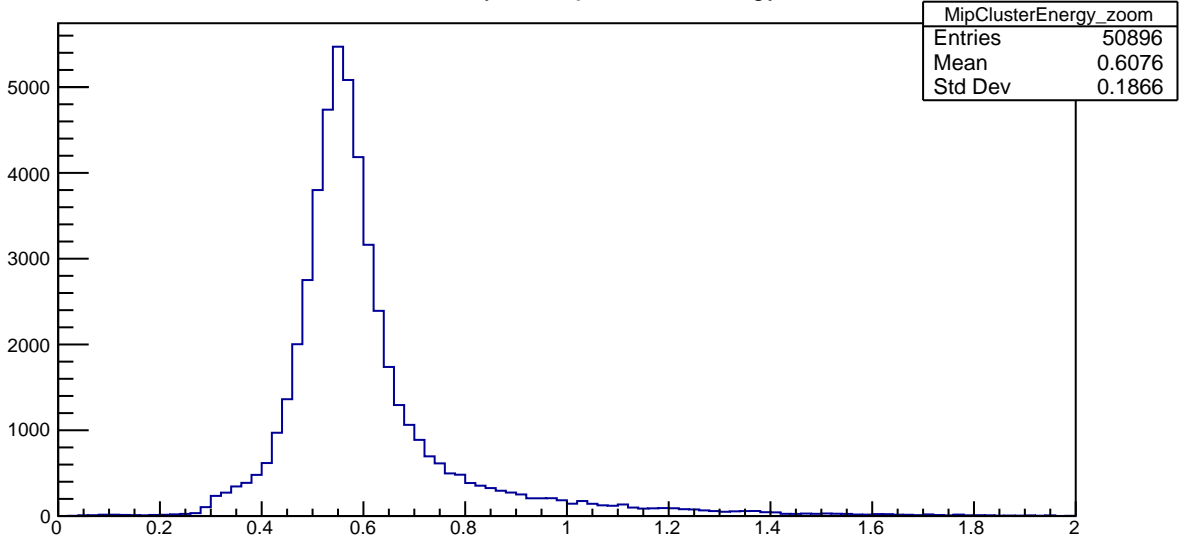


Plot 25 TwoPhotonAnalysis/MipClusterEnergy 27



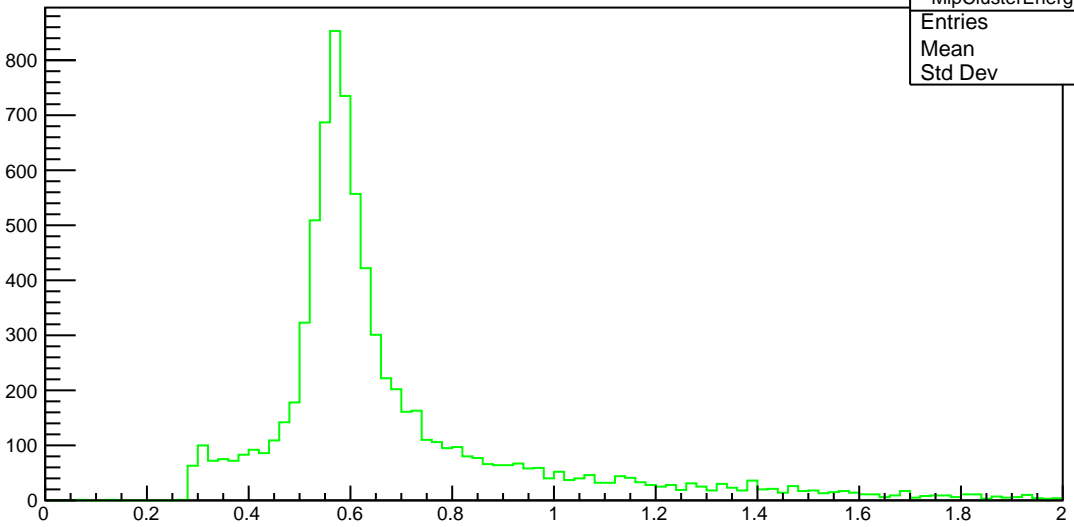
Plot 26 TwoPhotonAnalysis/MipClusterEnergy_zoom

28



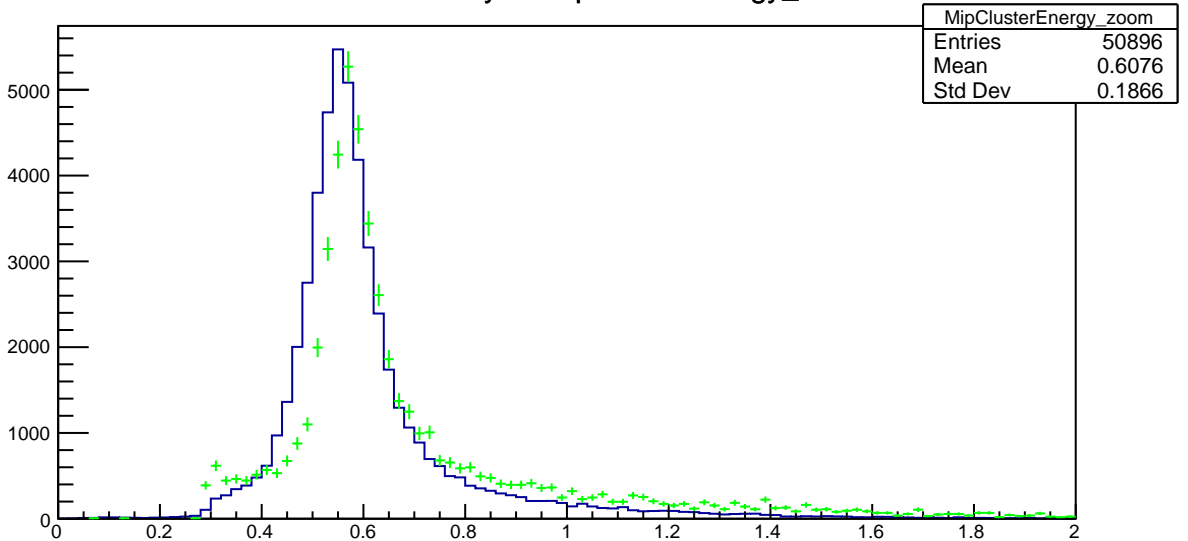
MipClusterEnergy_zoom

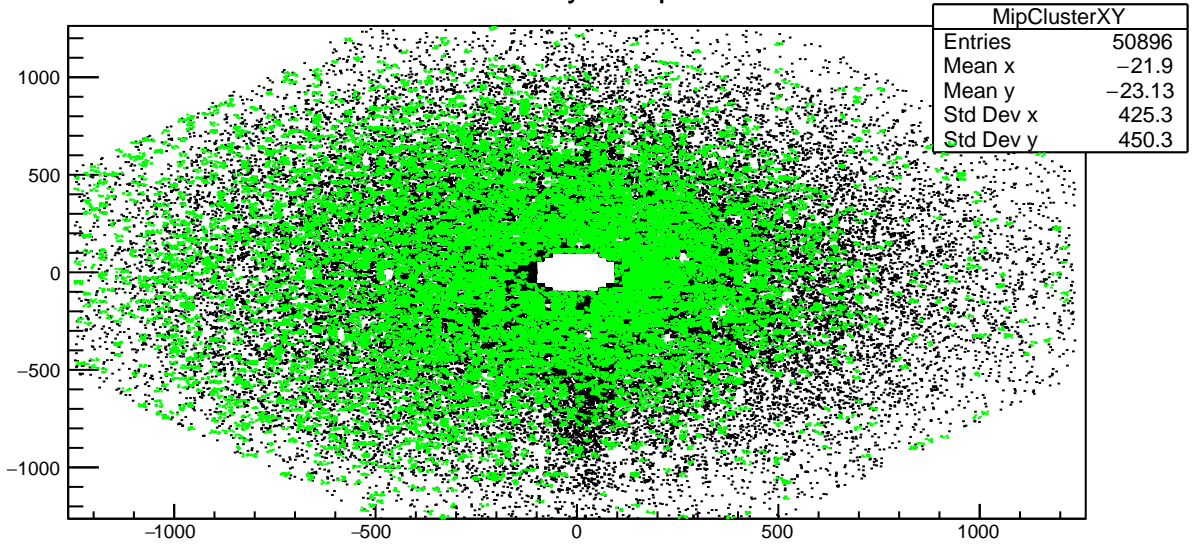
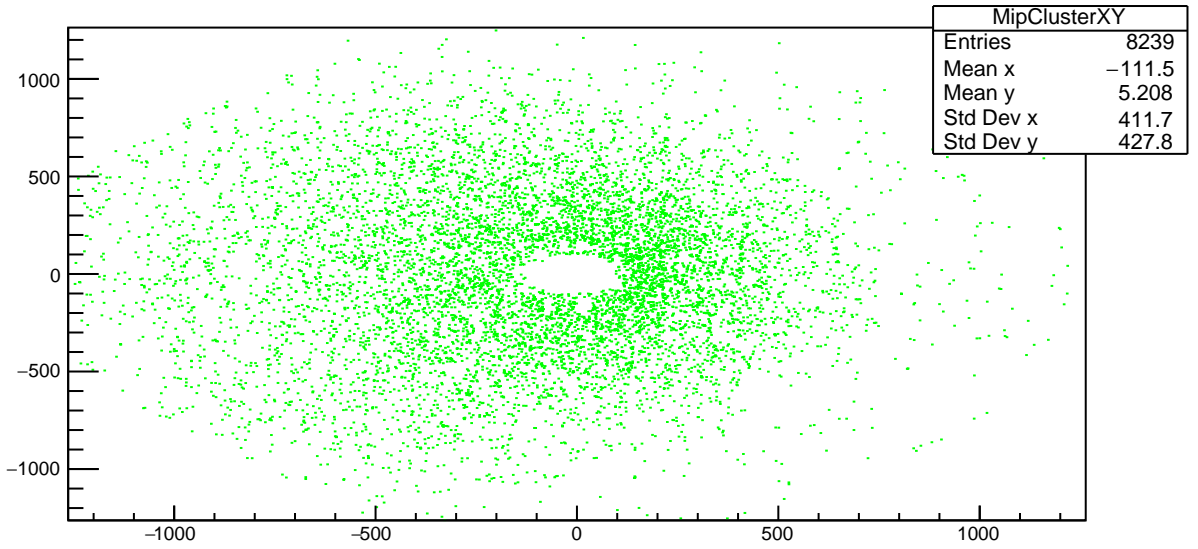
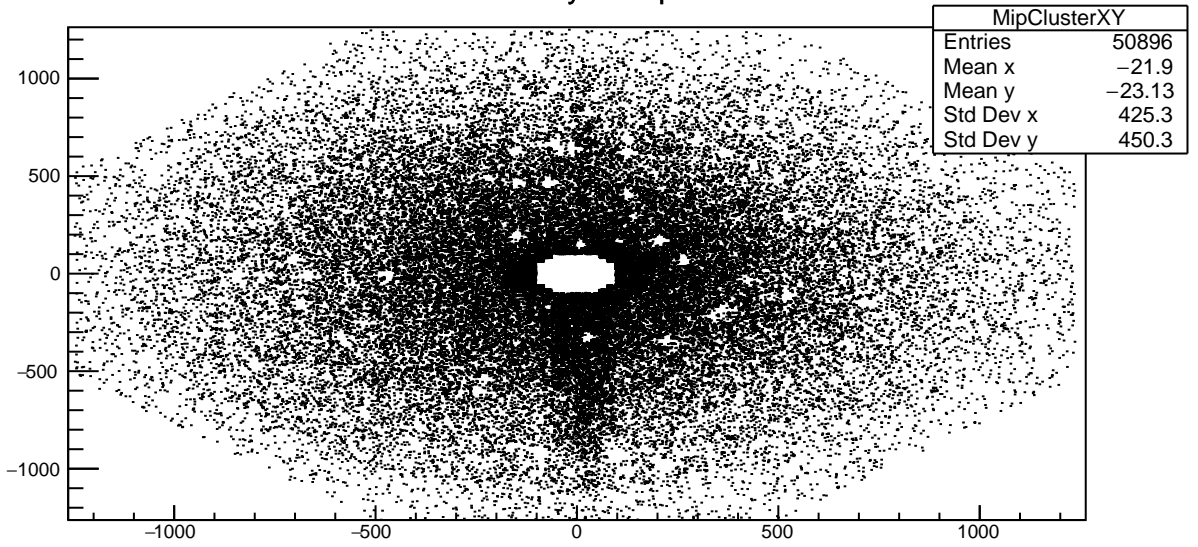
Entries	8239
Mean	0.688
Std Dev	0.2803



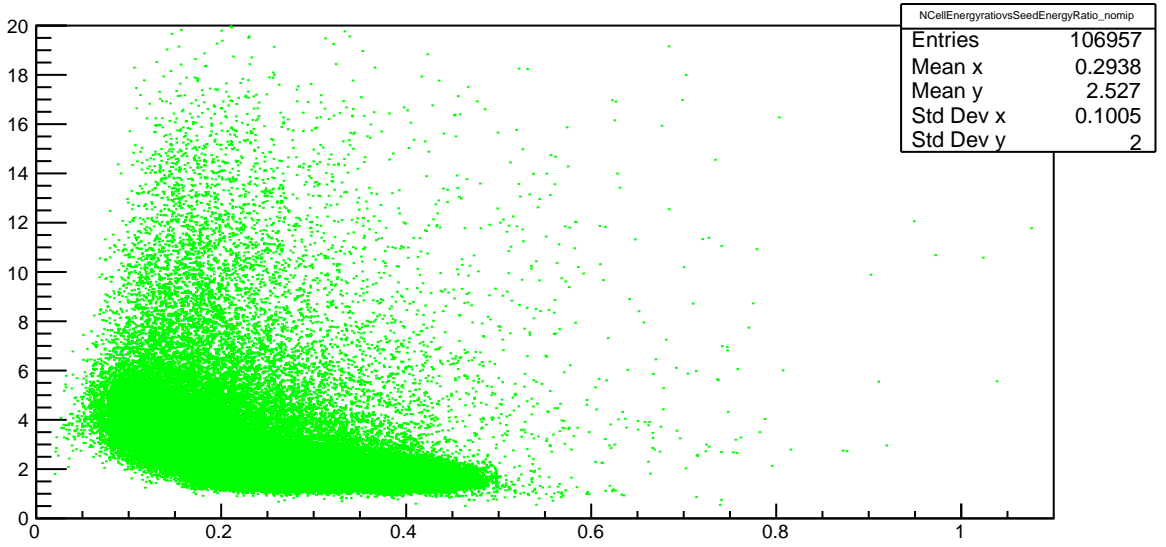
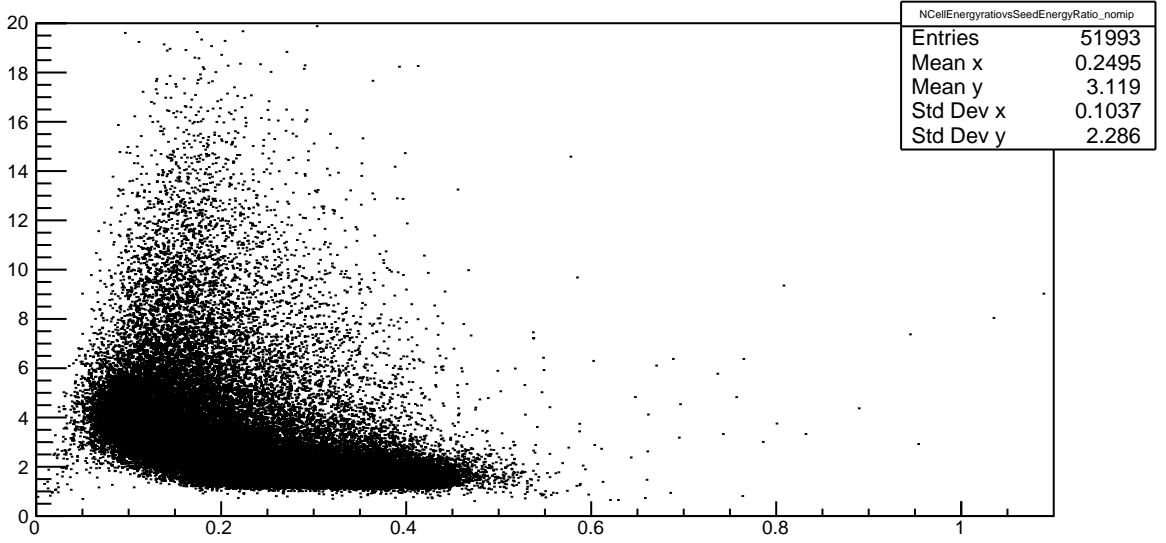
Plot 26 TwoPhotonAnalysis/MipClusterEnergy_zoom

28

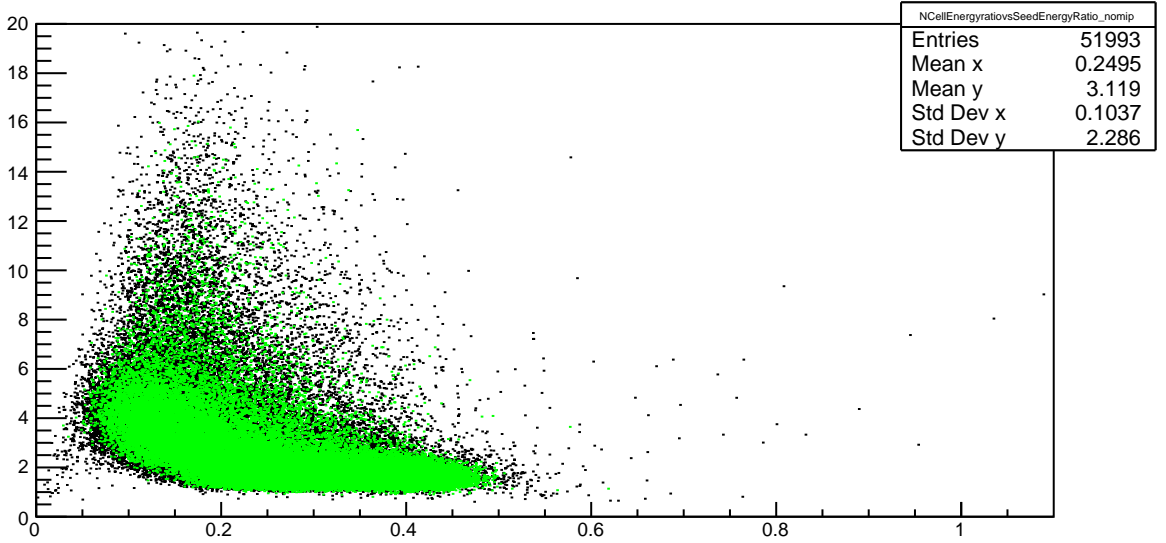




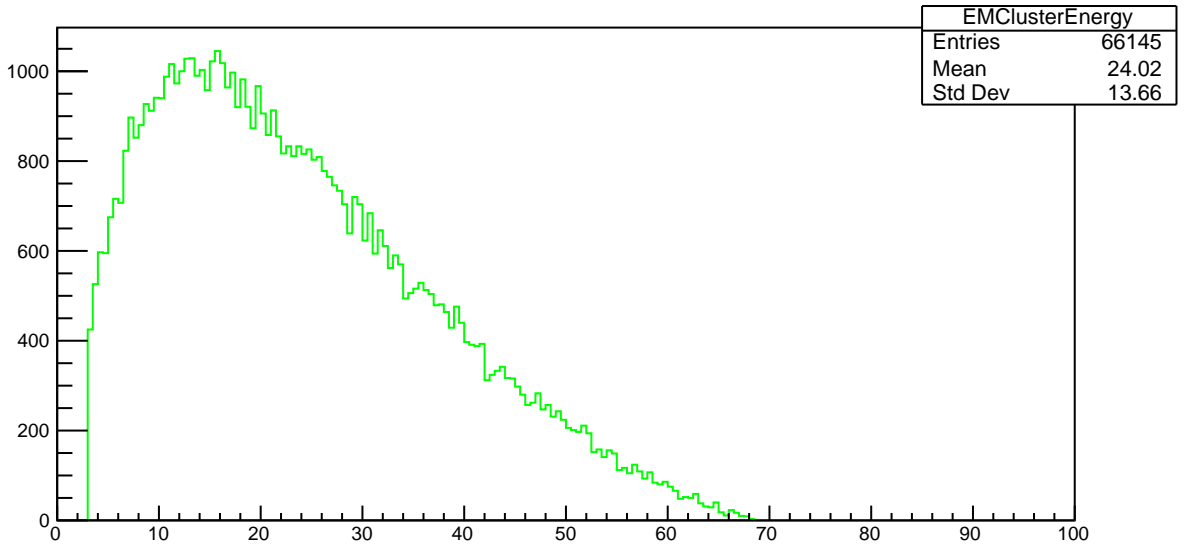
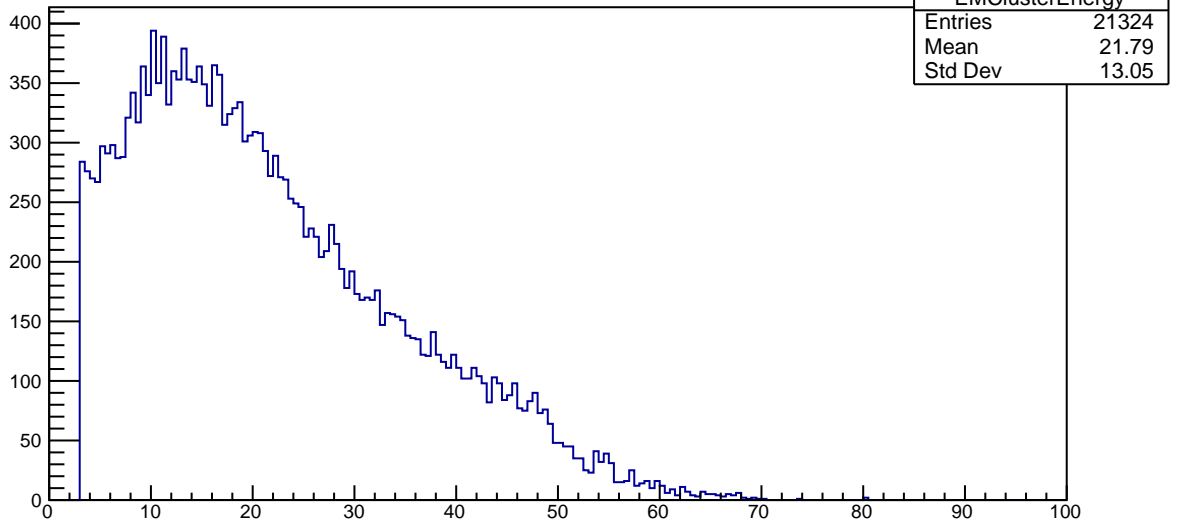
Plot 28 TwoPhotonAnalysis/NCellEnergyrativovsSeedEnergyRatio_nomip 30



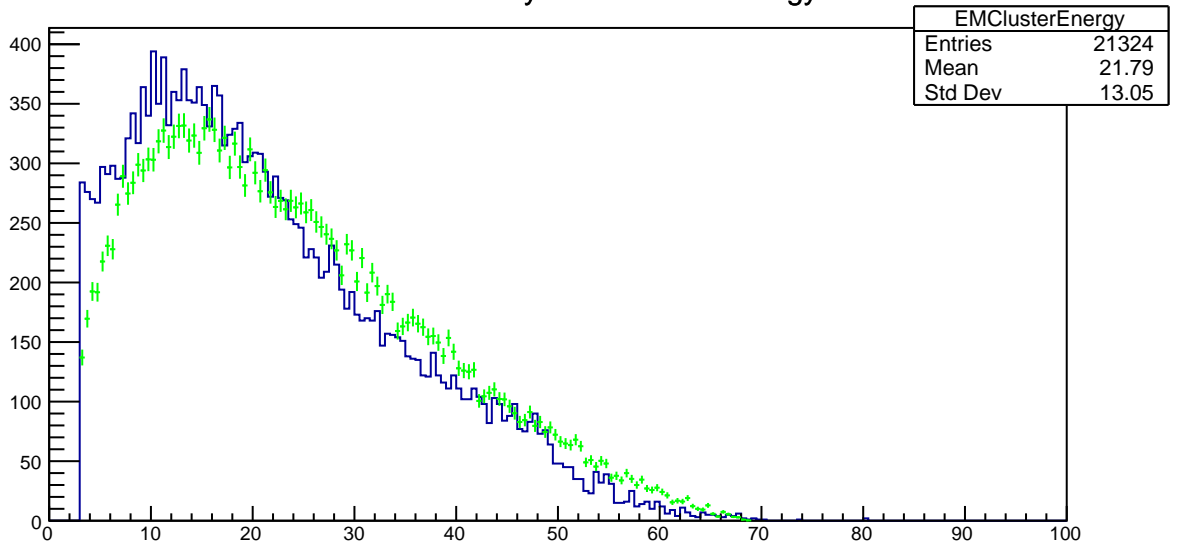
Plot 28 TwoPhotonAnalysis/NCellEnergyrativovsSeedEnergyRatio_nomip 30

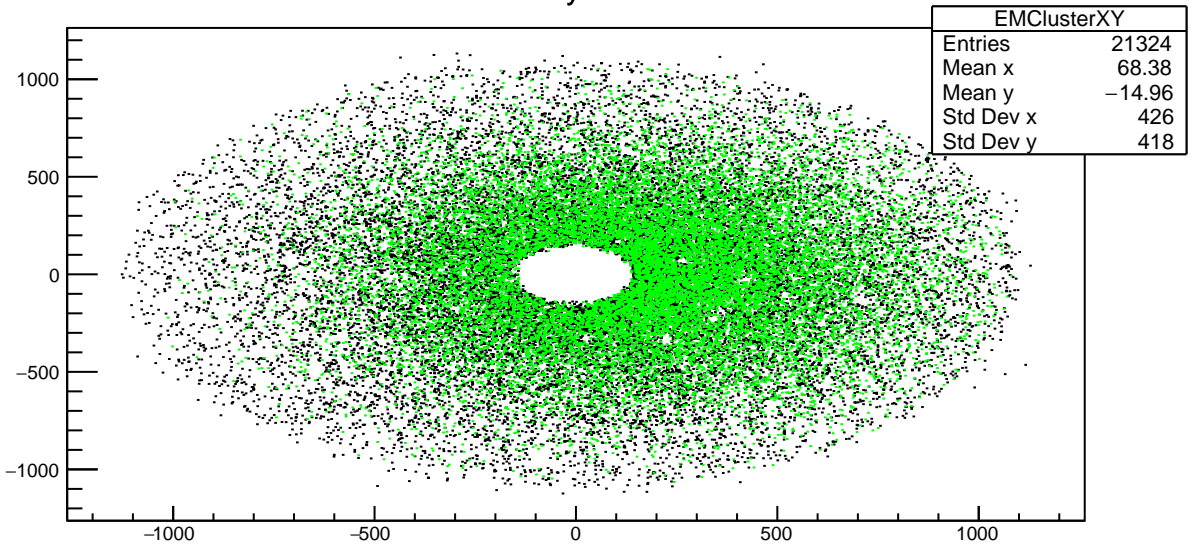
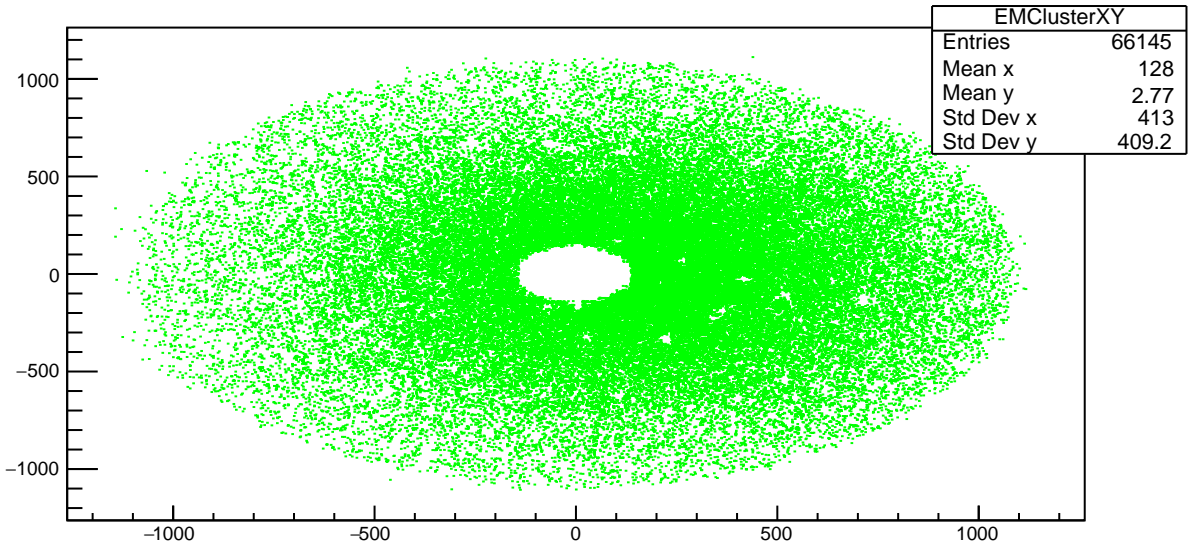
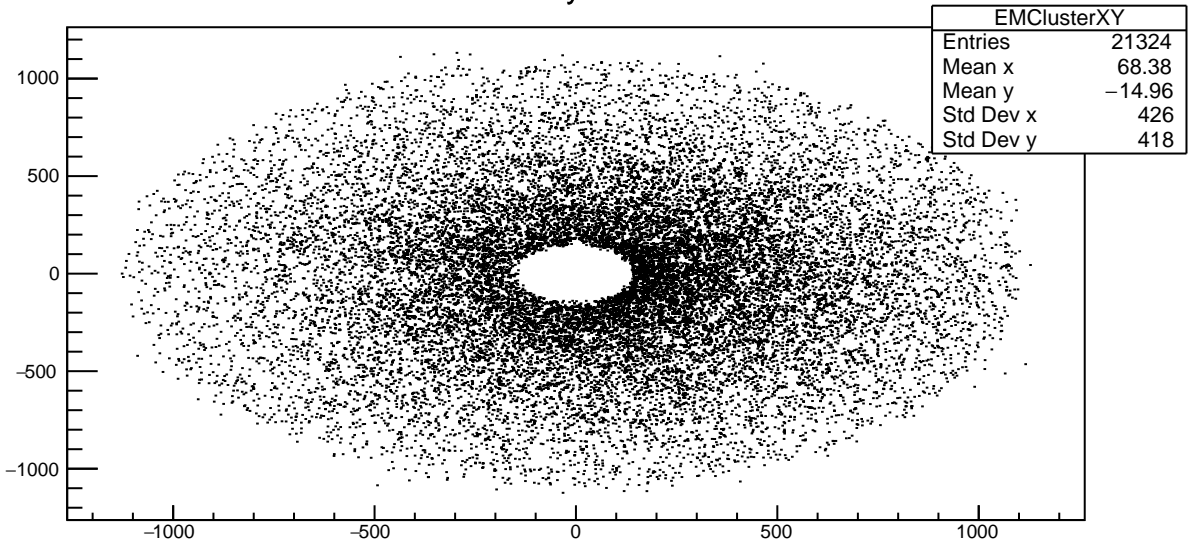


Plot 29 TwoPhotonAnalysis/EMClusterEnergy 31



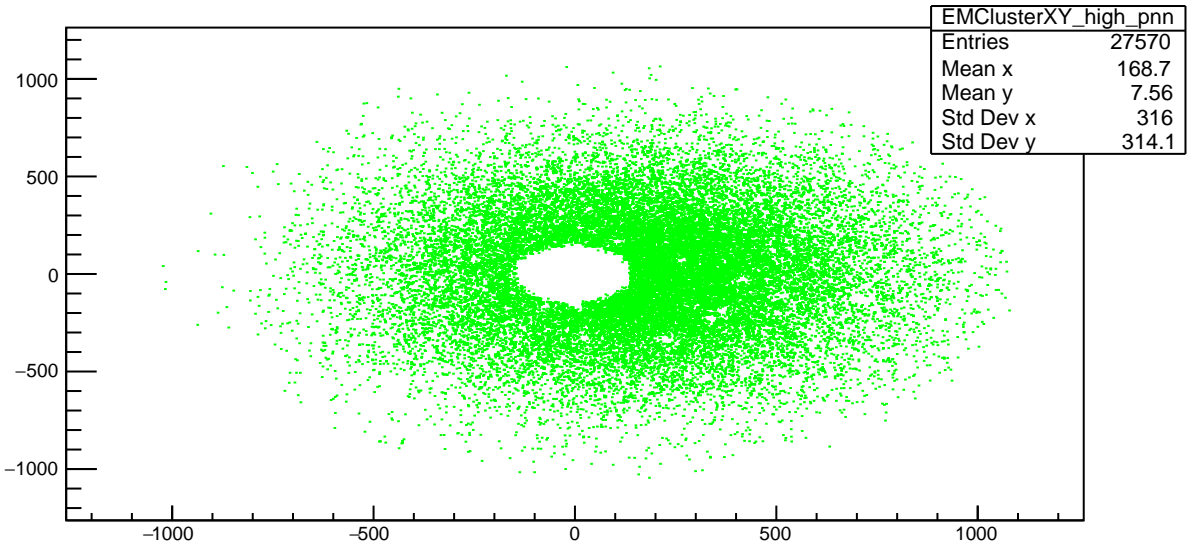
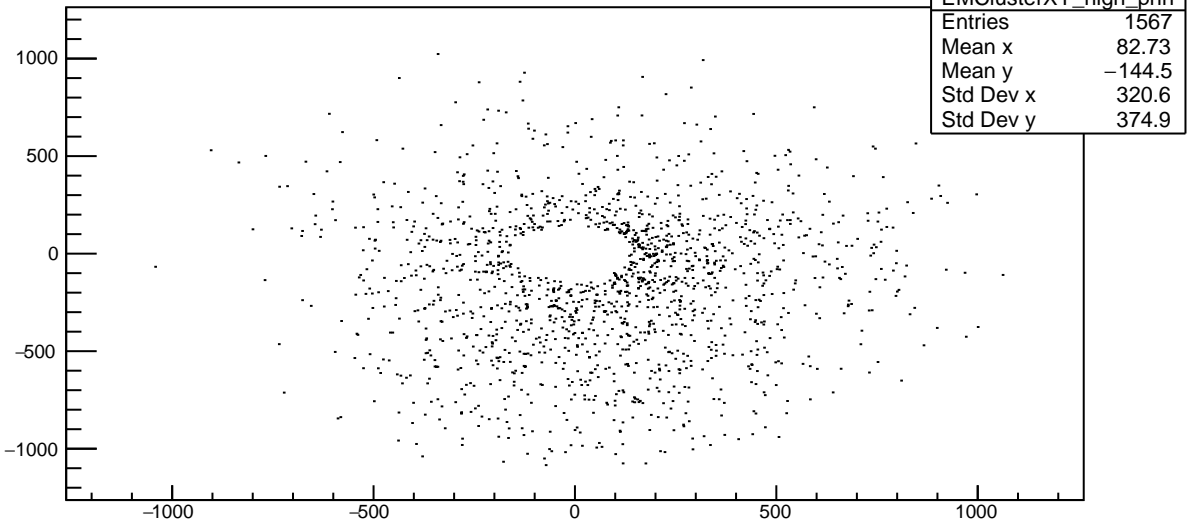
Plot 29 TwoPhotonAnalysis/EMClusterEnergy 31





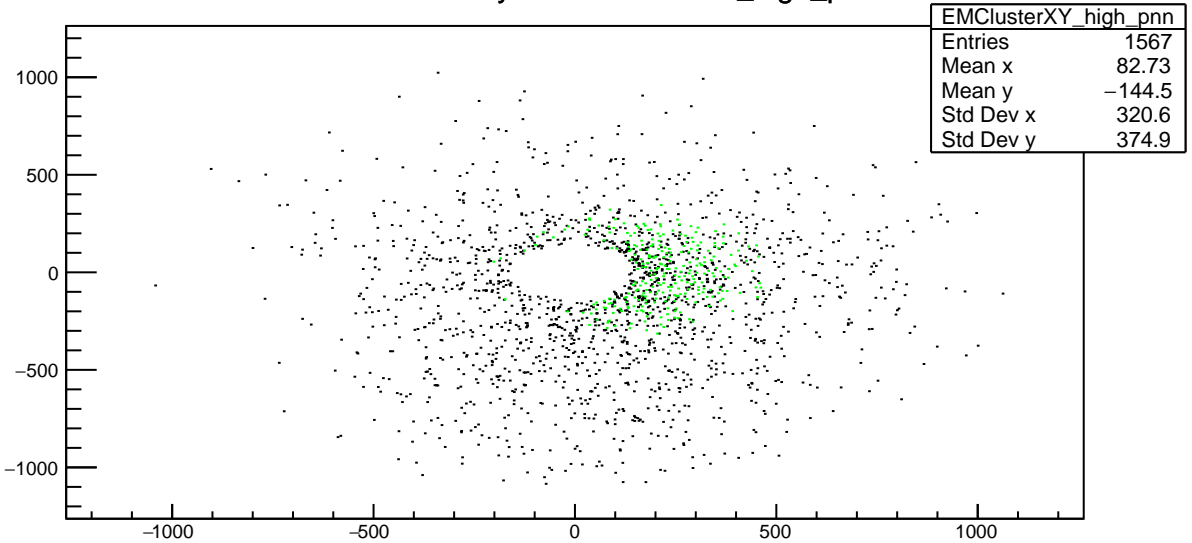
Plot 31 TwoPhotonAnalysis/EMClusterXY_high_pnn

33



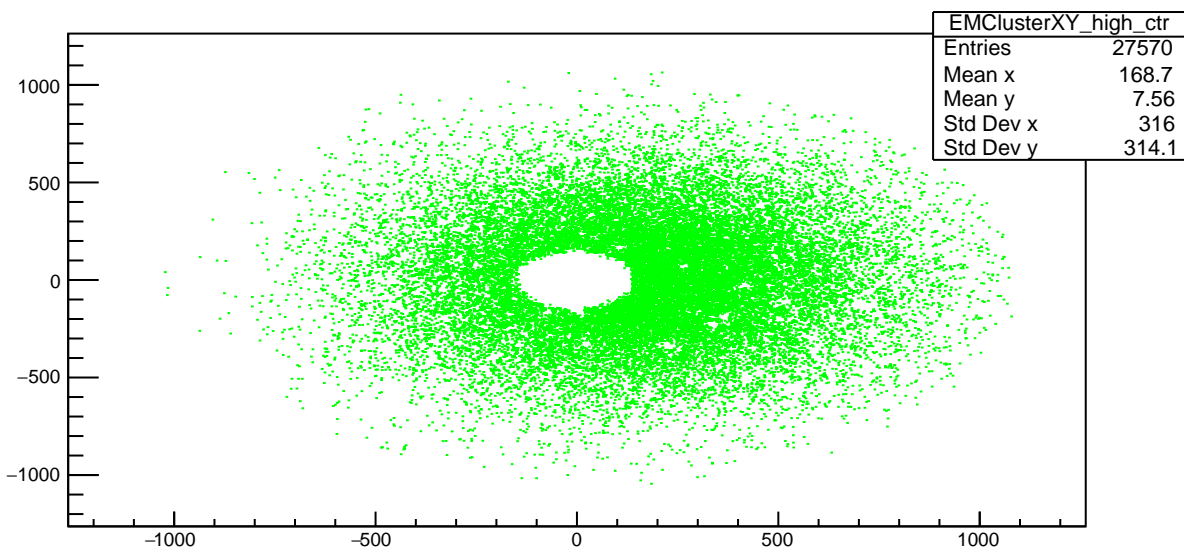
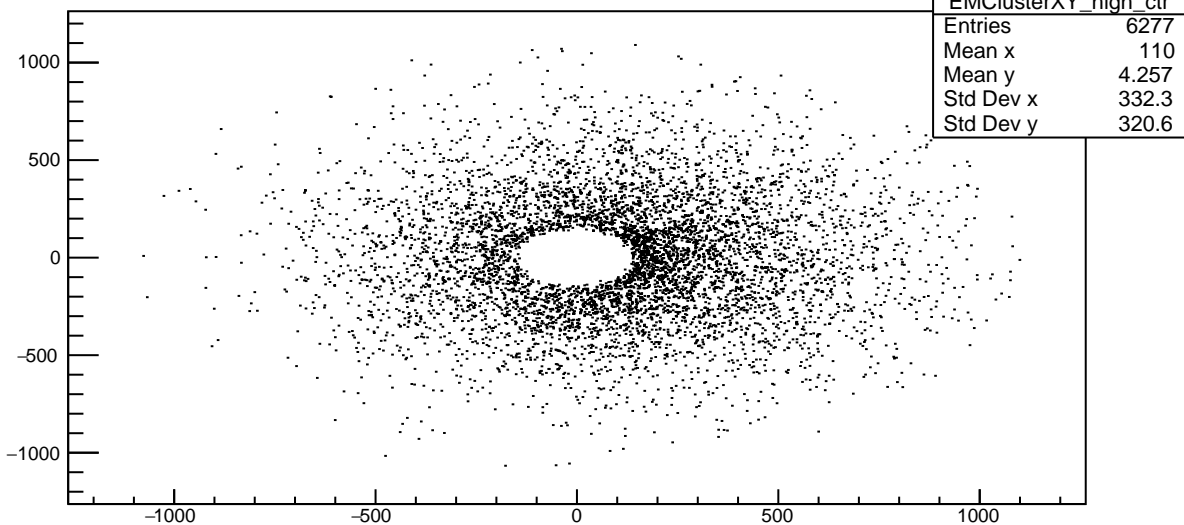
Plot 31 TwoPhotonAnalysis/EMClusterXY_high_pnn

33



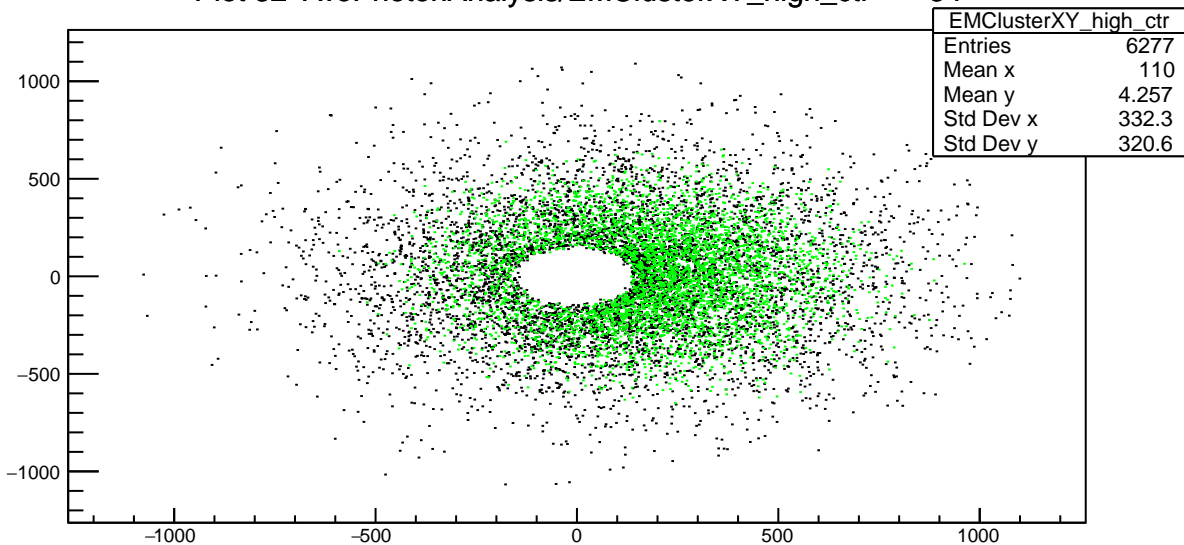
Plot 32 TwoPhotonAnalysis/EMClusterXY_high_ctr

34



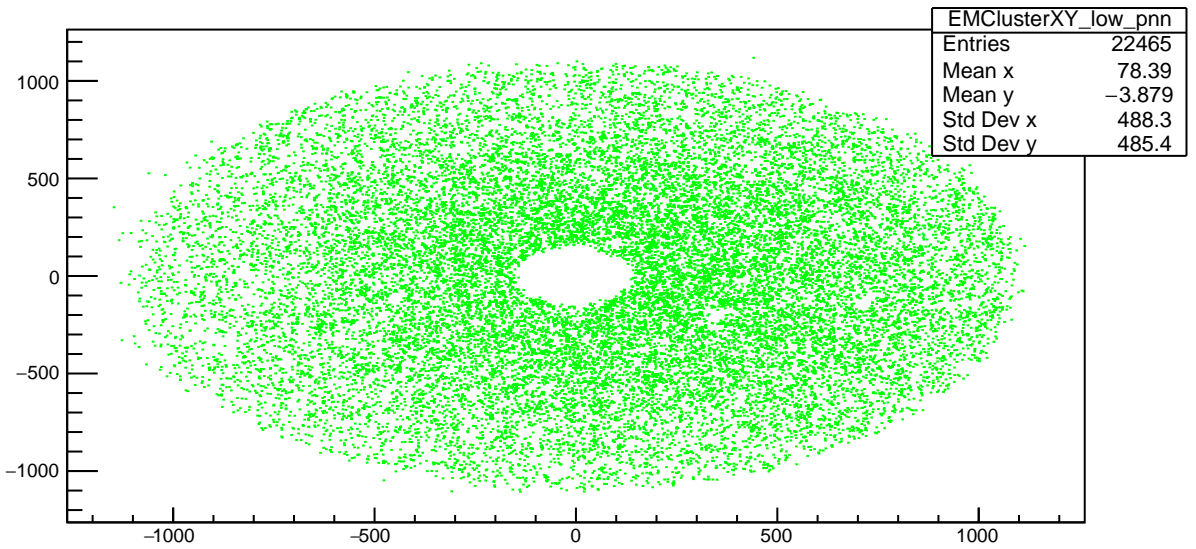
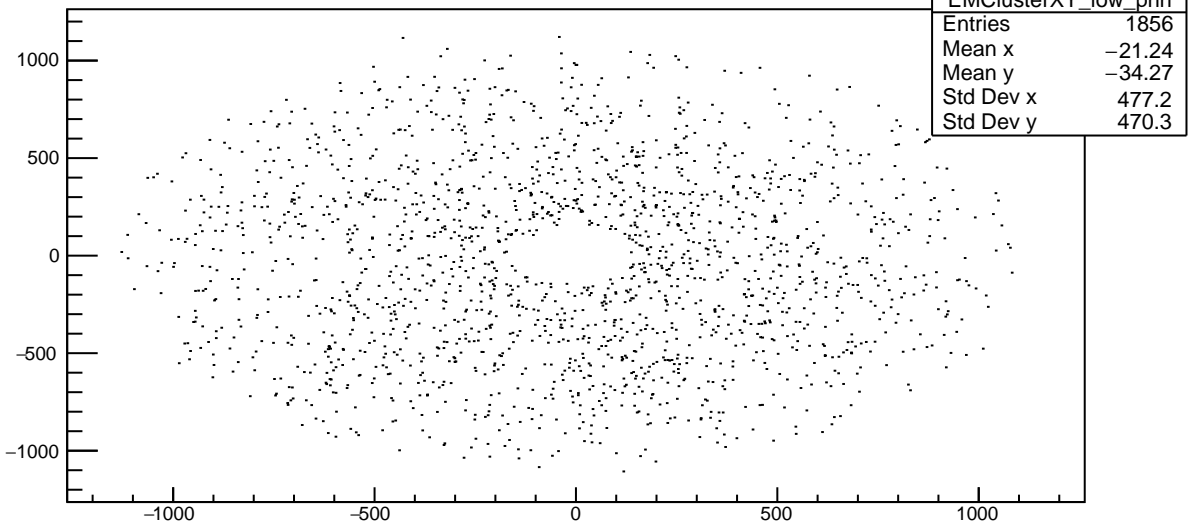
Plot 32 TwoPhotonAnalysis/EMClusterXY_high_ctr

34



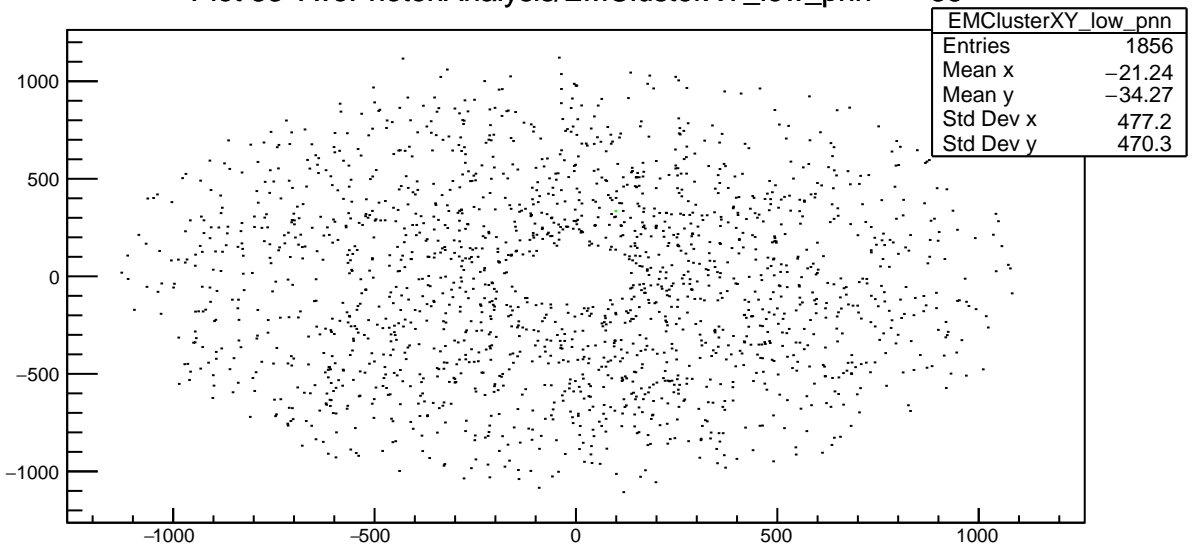
Plot 33 TwoPhotonAnalysis/EMClusterXY_low_pnn

35



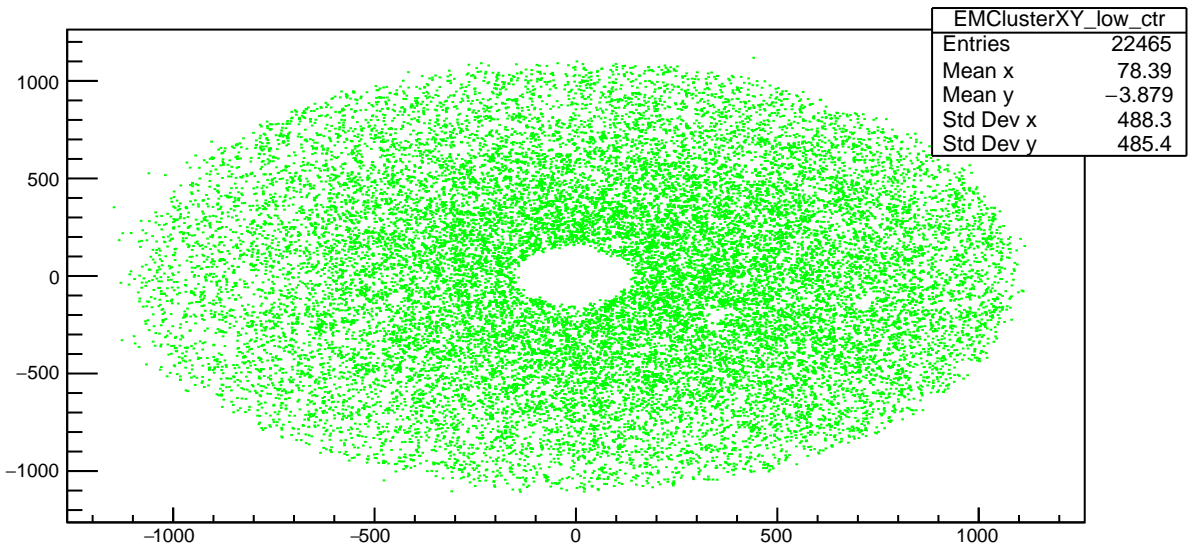
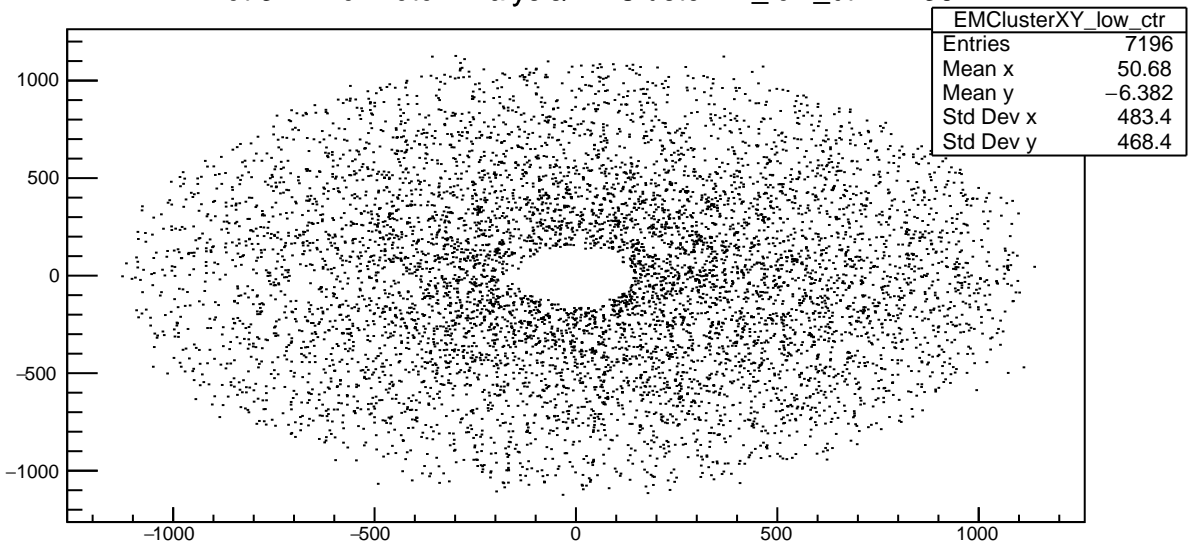
Plot 33 TwoPhotonAnalysis/EMClusterXY_low_pnn

35



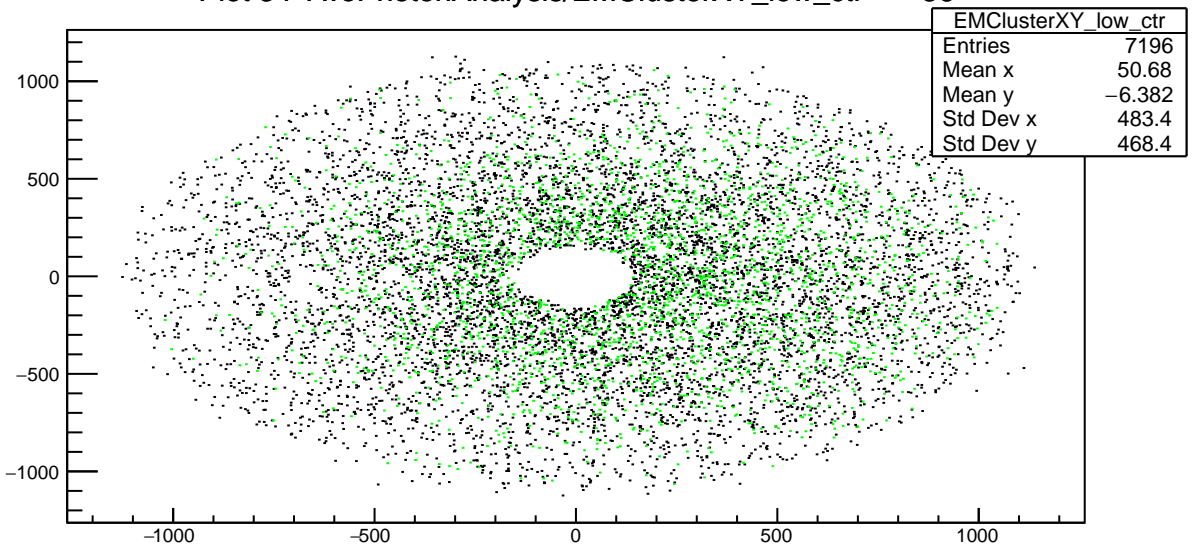
Plot 34 TwoPhotonAnalysis/EMClusterXY_low_ctr

36



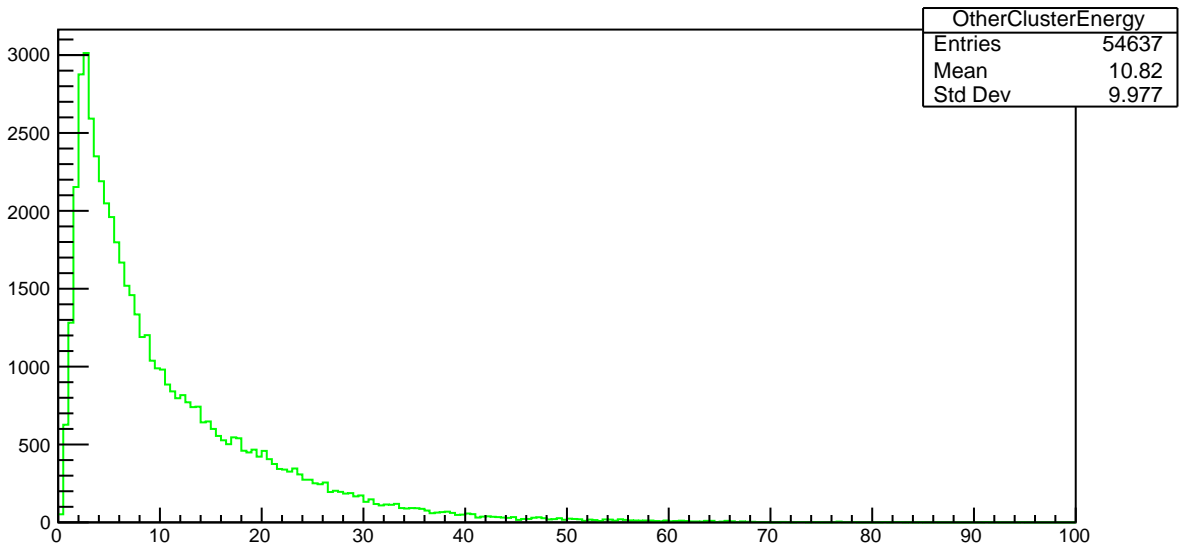
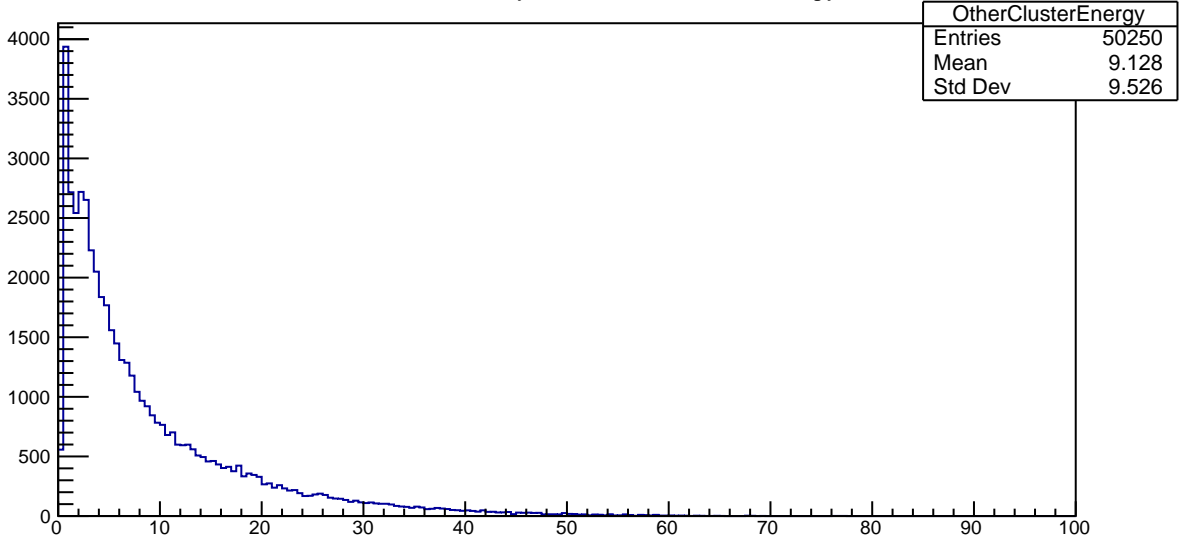
Plot 34 TwoPhotonAnalysis/EMClusterXY_low_ctr

36



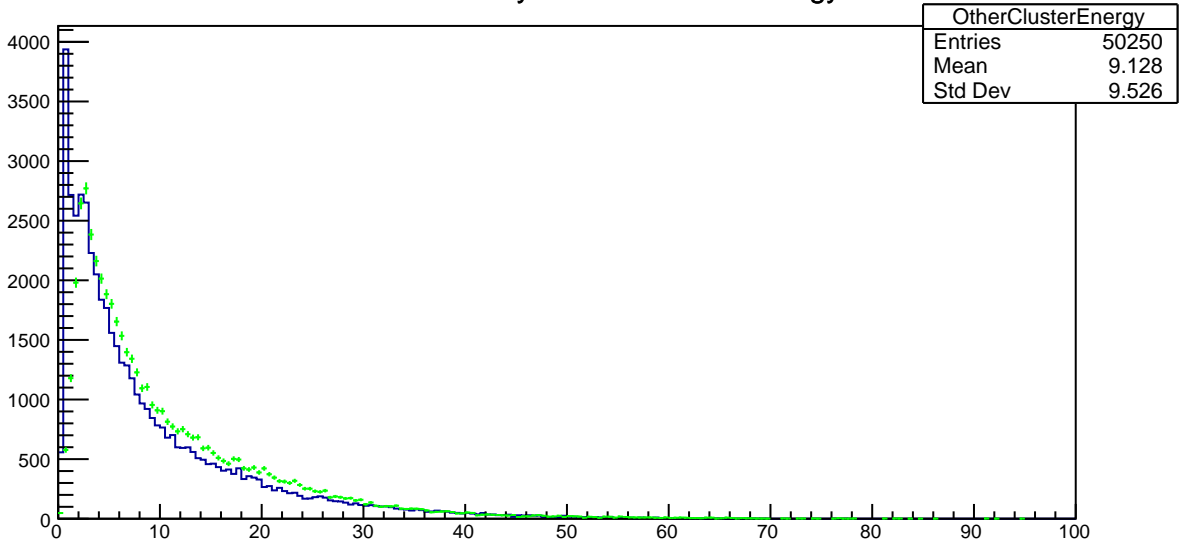
Plot 35 TwoPhotonAnalysis/OtherClusterEnergy

37

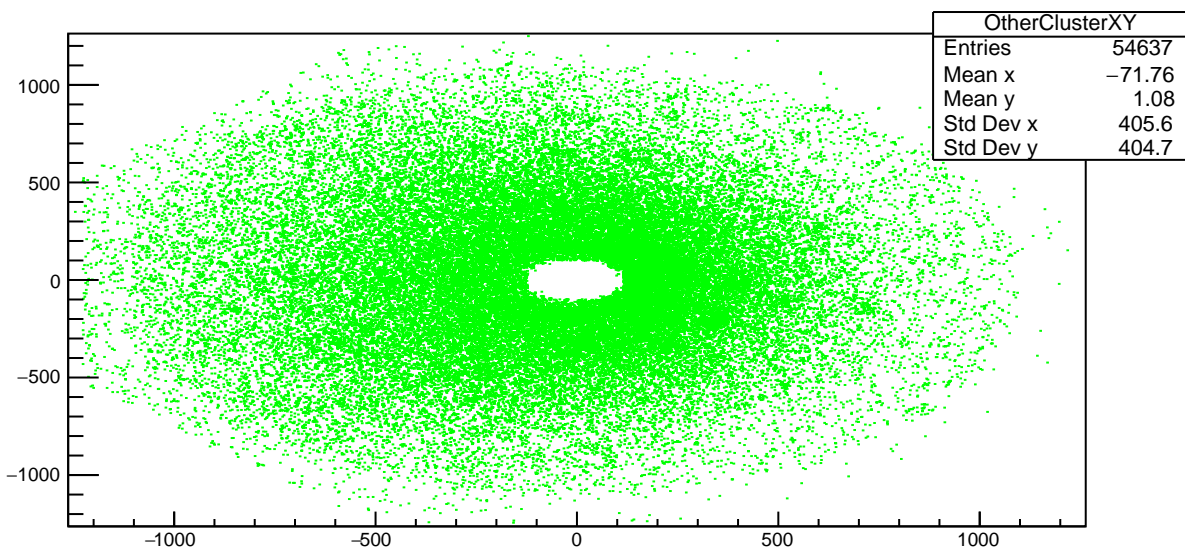
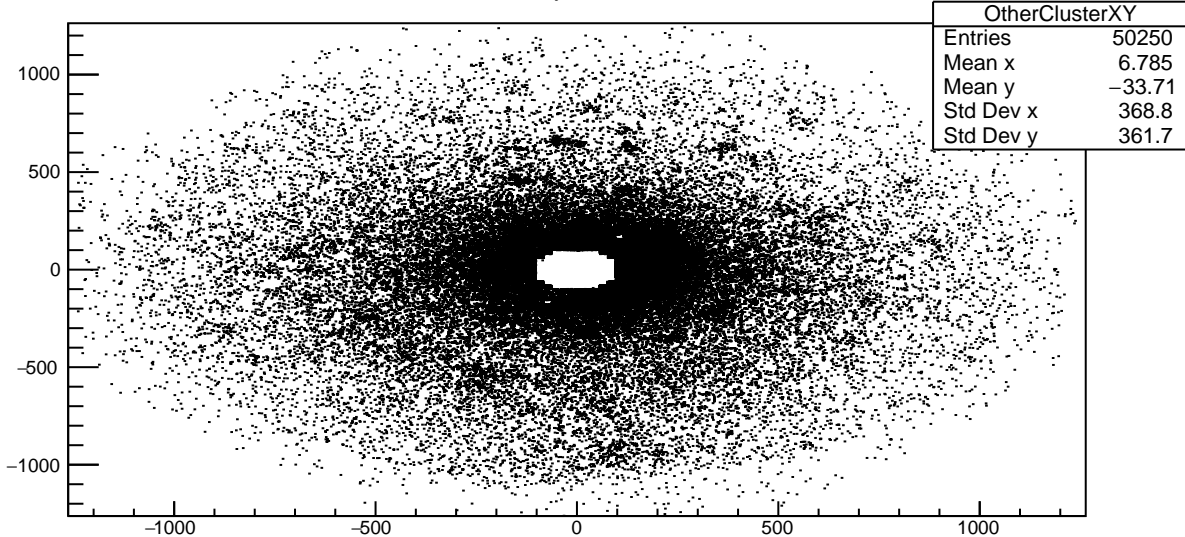


Plot 35 TwoPhotonAnalysis/OtherClusterEnergy

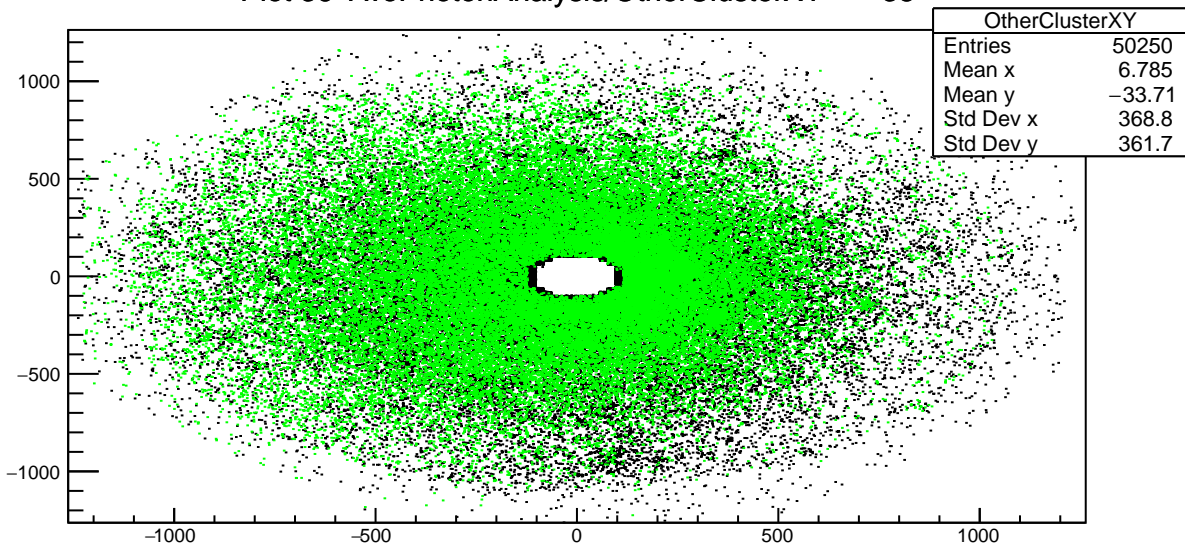
37



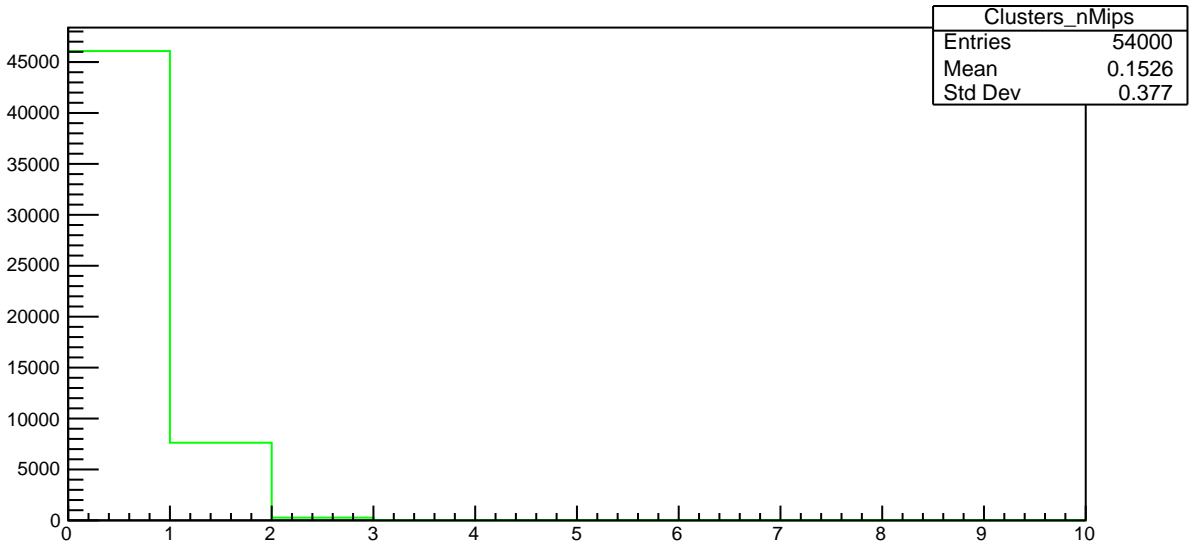
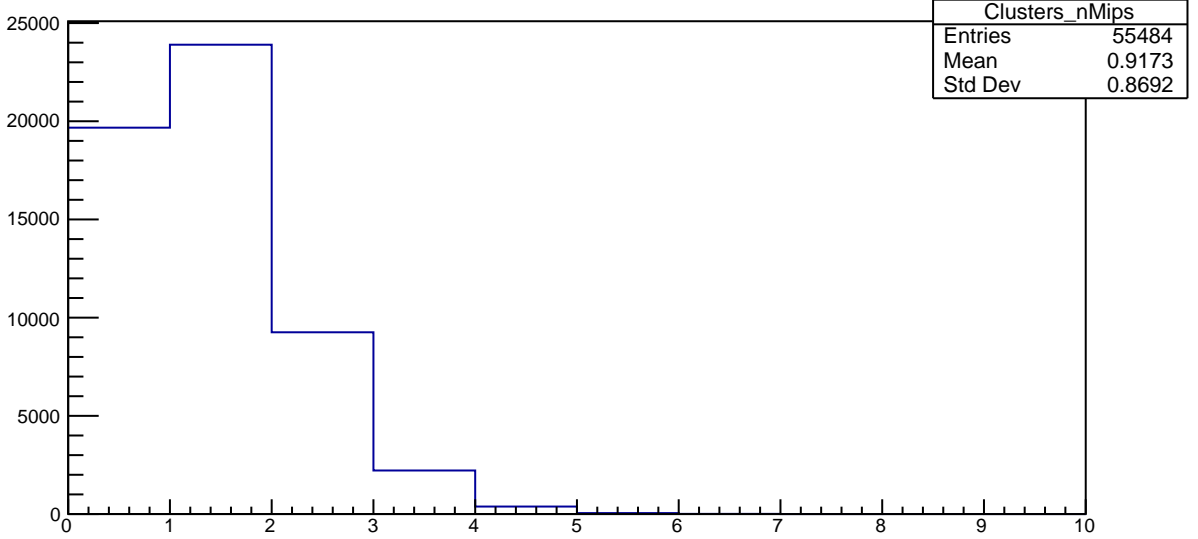
Plot 36 TwoPhotonAnalysis/OtherClusterXY 38



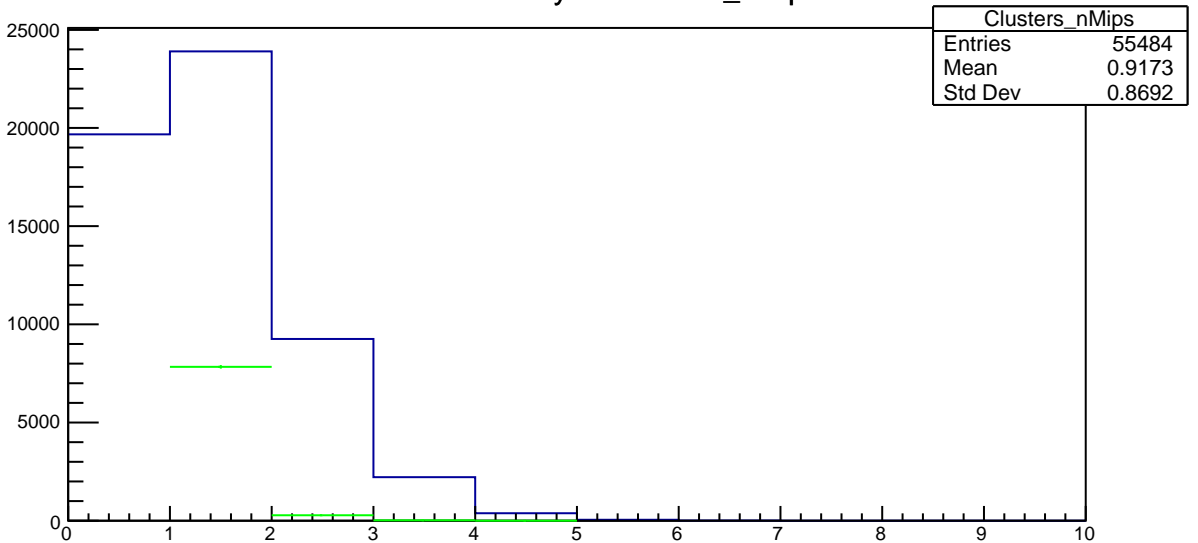
Plot 36 TwoPhotonAnalysis/OtherClusterXY 38



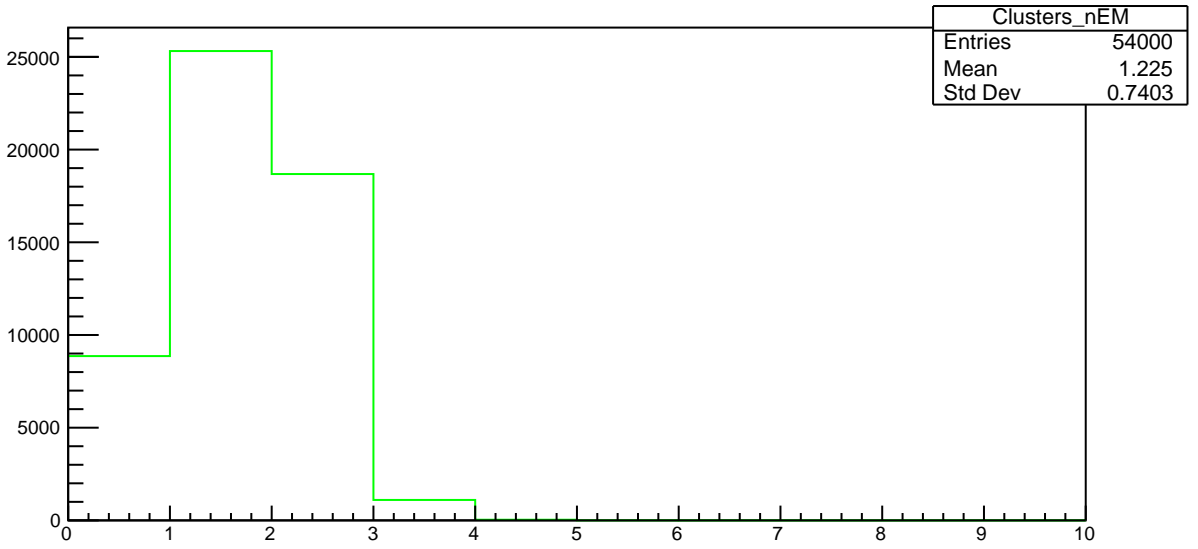
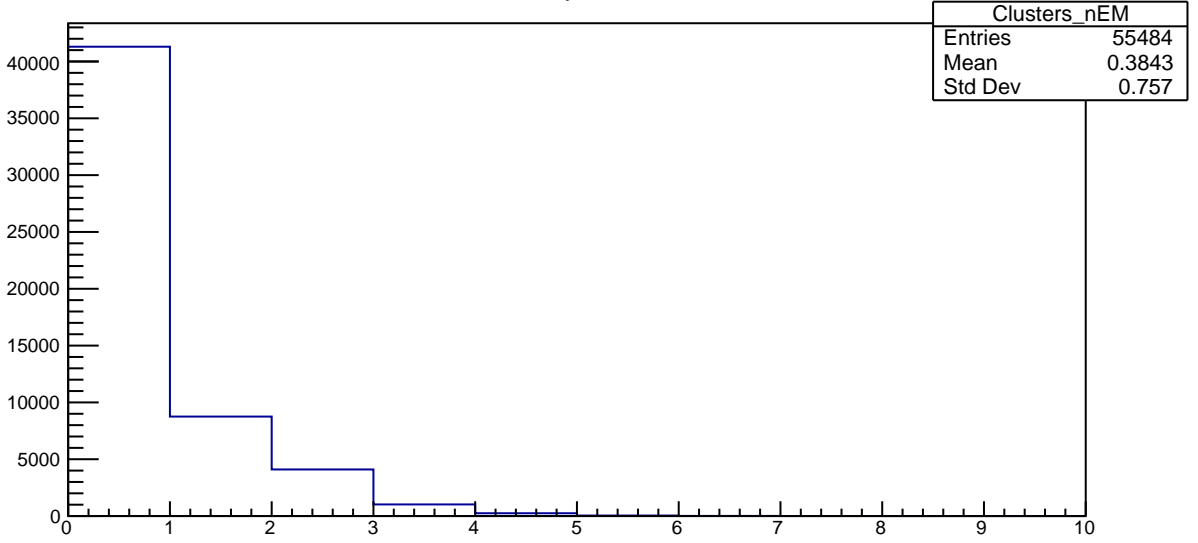
Plot 37 TwoPhotonAnalysis/Clusters_nMips 39



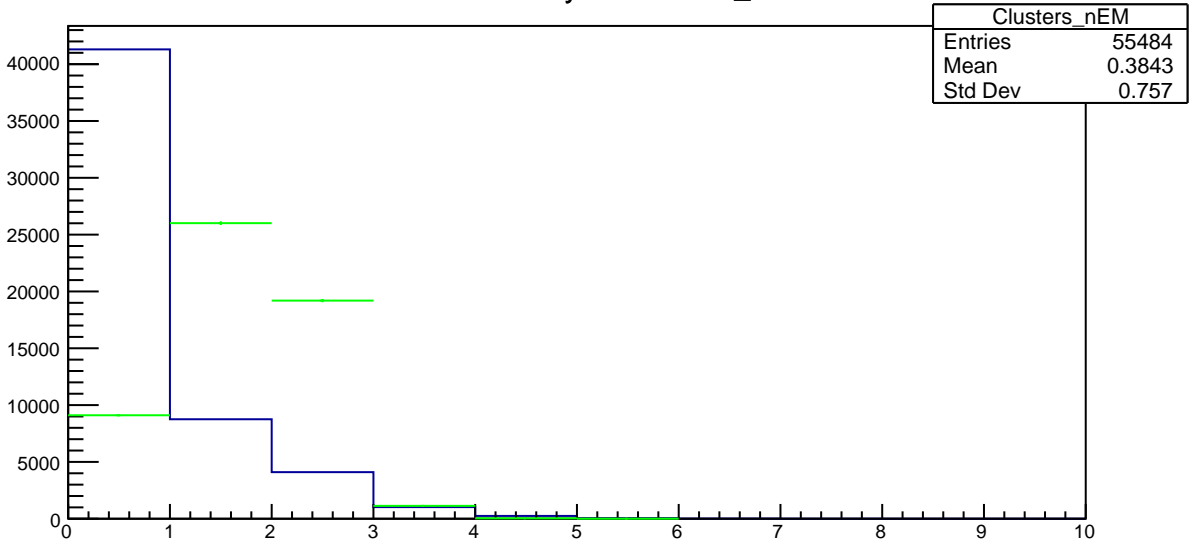
Plot 37 TwoPhotonAnalysis/Clusters_nMips 39



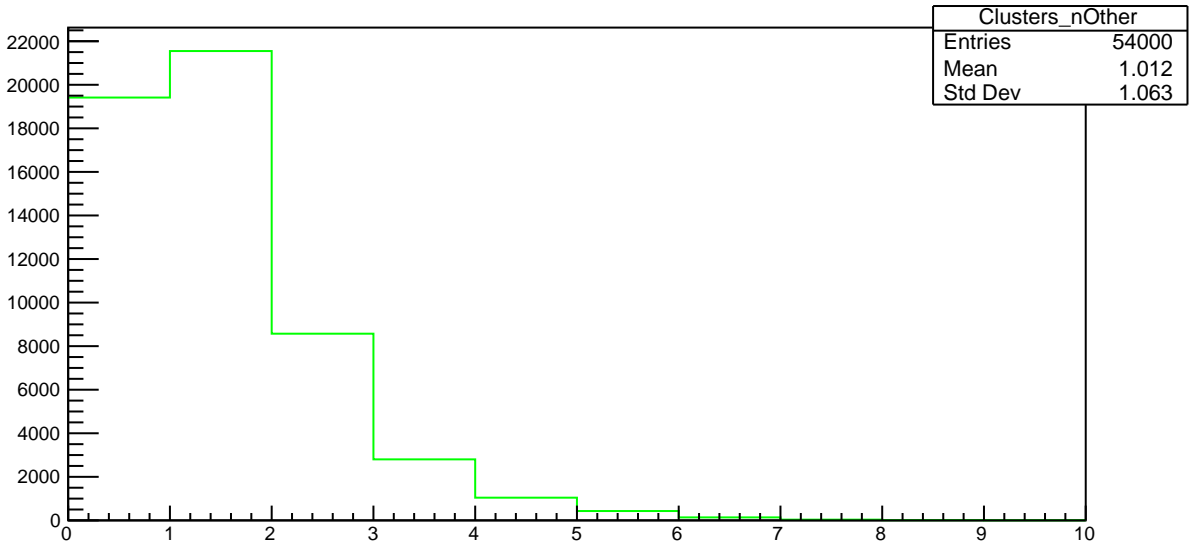
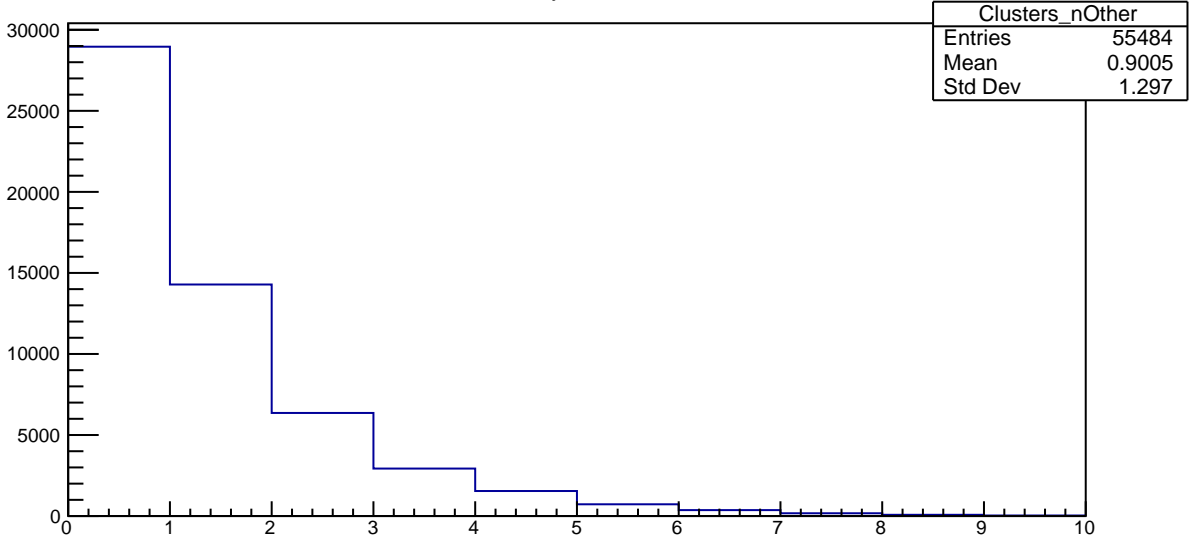
Plot 38 TwoPhotonAnalysis/Clusters_nEM 40



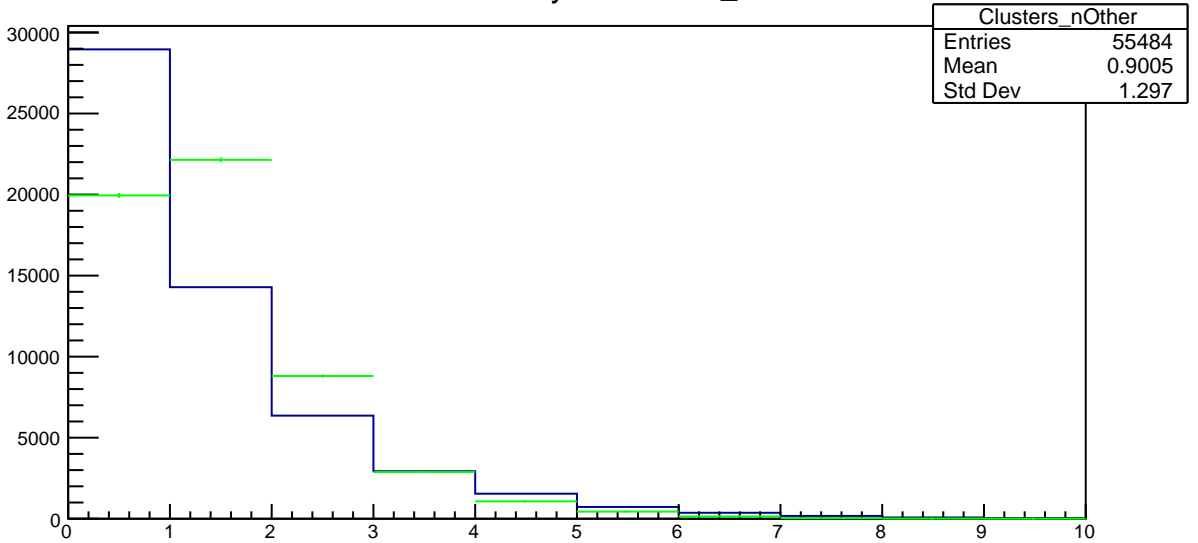
Plot 38 TwoPhotonAnalysis/Clusters_nEM 40



Plot 39 TwoPhotonAnalysis/Clusters_nOther 41

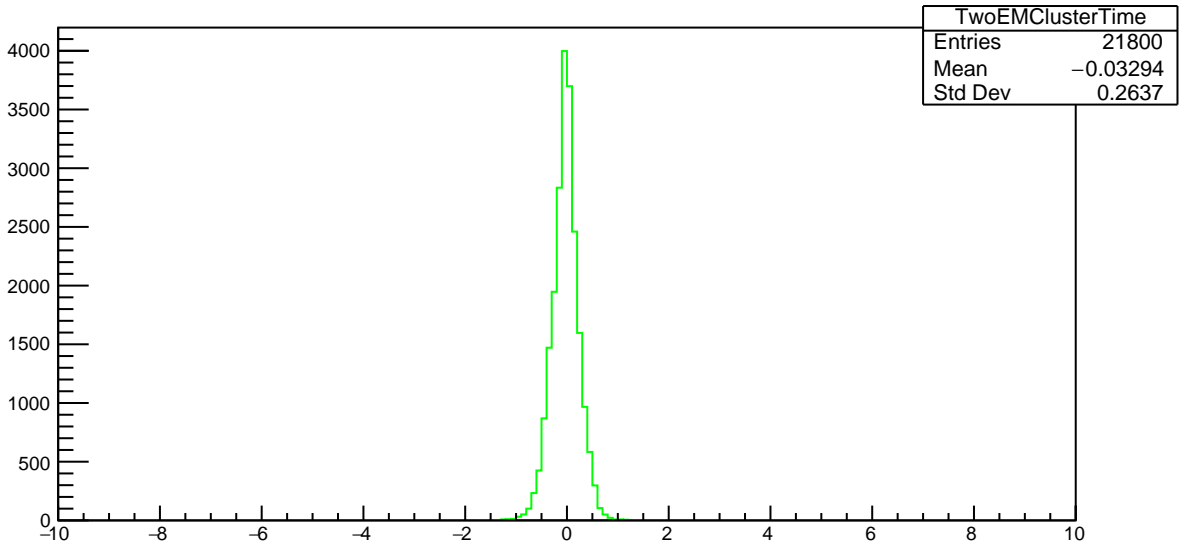
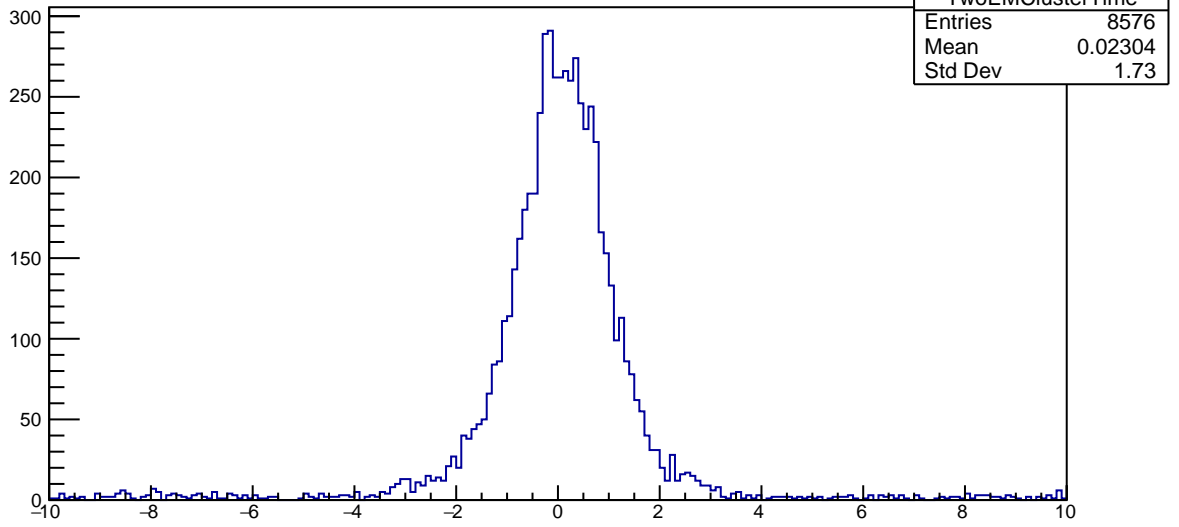


Plot 39 TwoPhotonAnalysis/Clusters_nOther 41



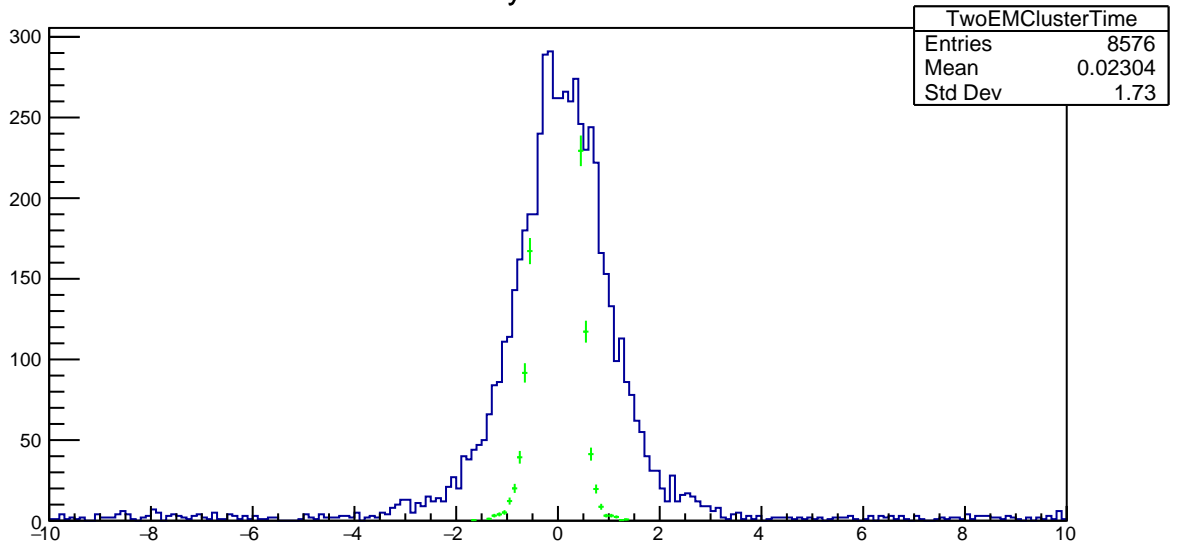
Plot 40 TwoPhotonAnalysis/TwoEMClusterTime

42

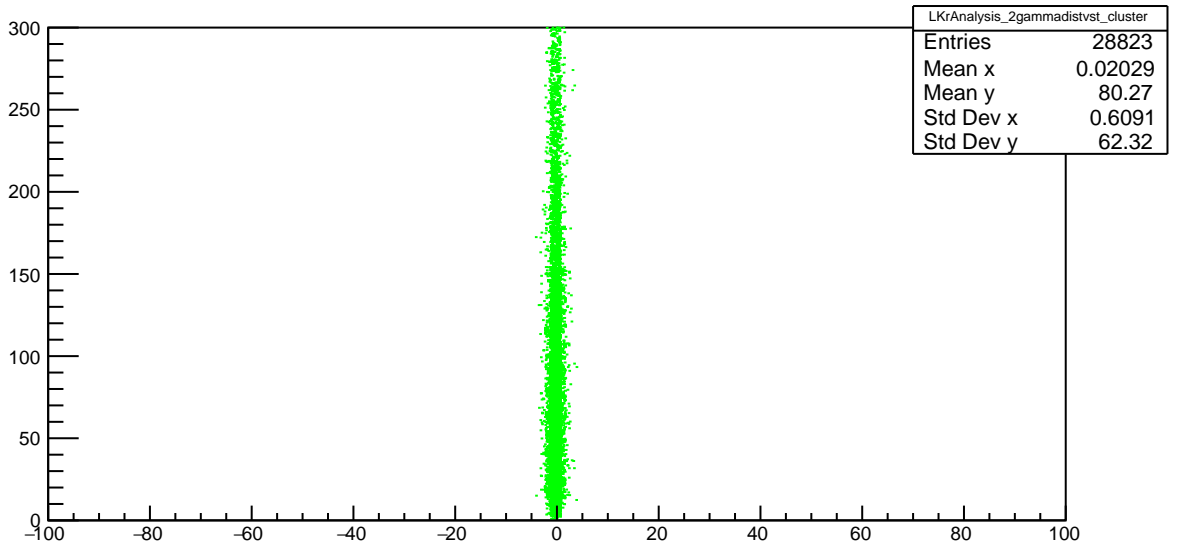
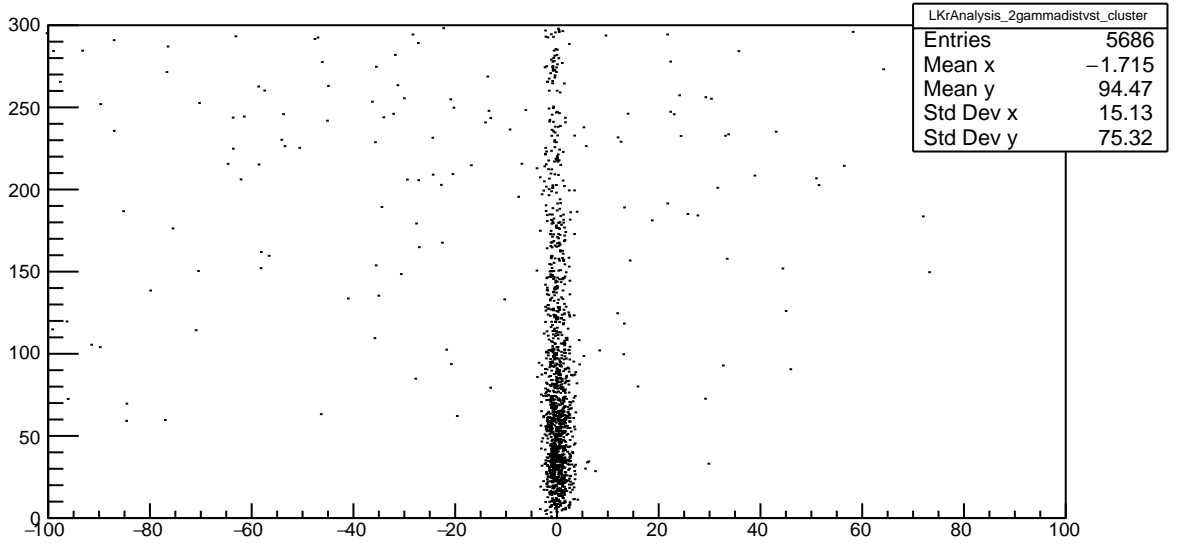


Plot 40 TwoPhotonAnalysis/TwoEMClusterTime

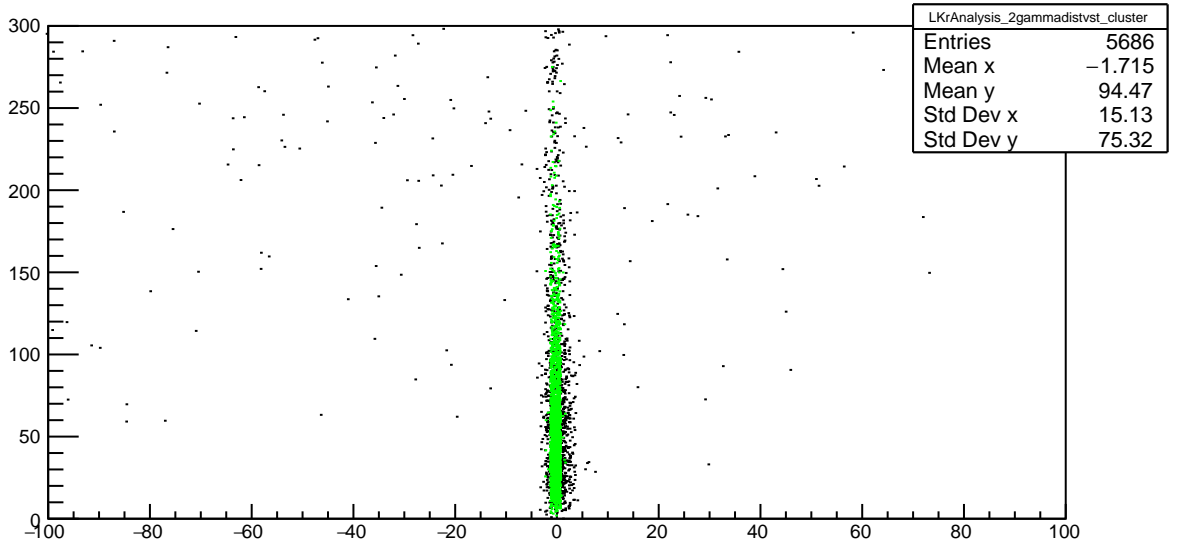
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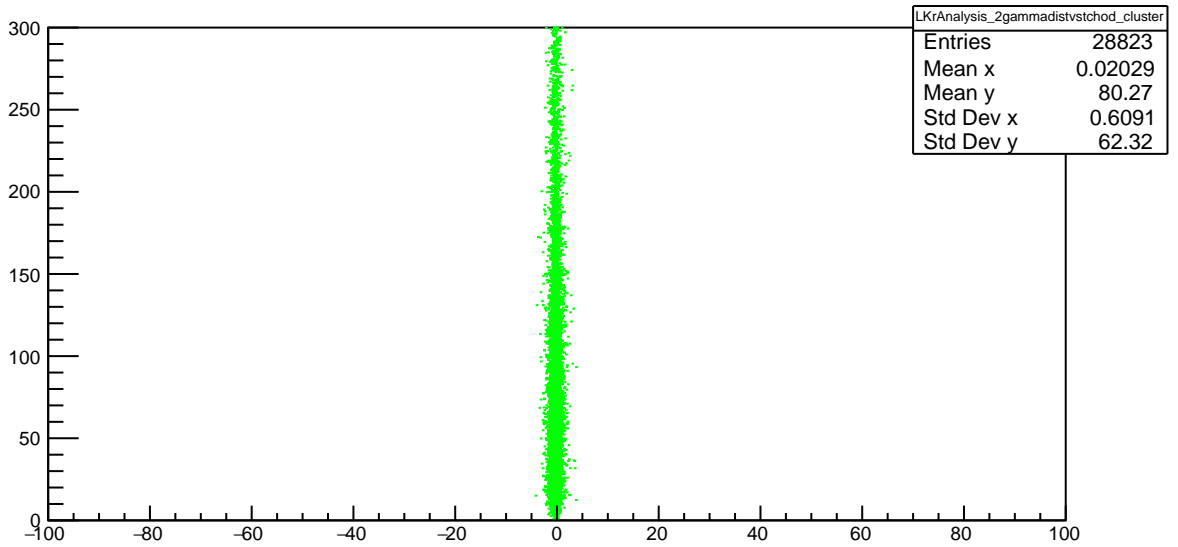
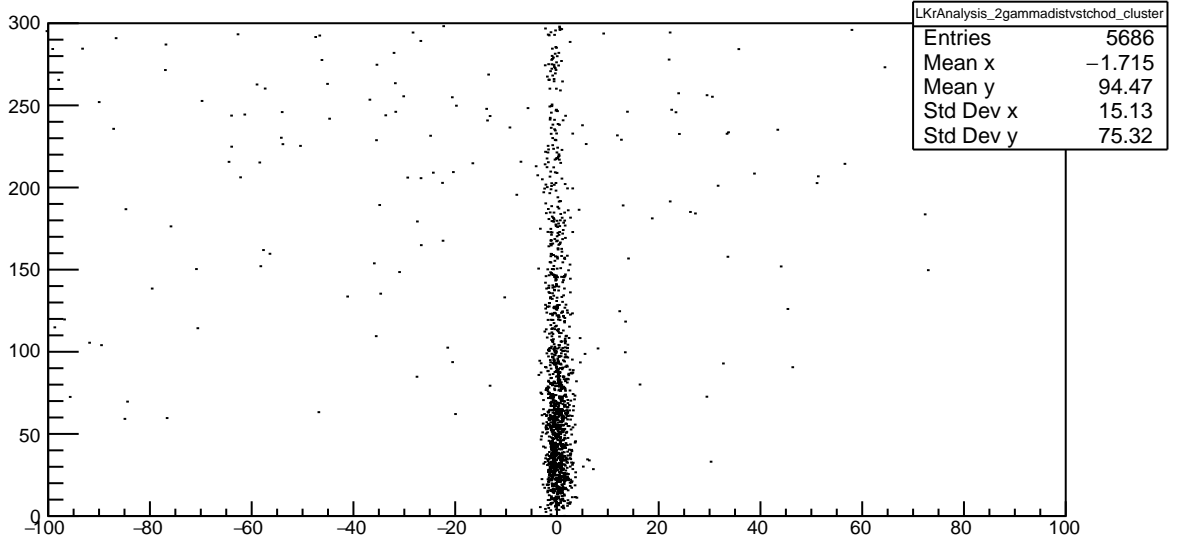
Plot 41 TwoPhotonAnalysis/LKrAnalysis_2gammadistvst_cluster 43



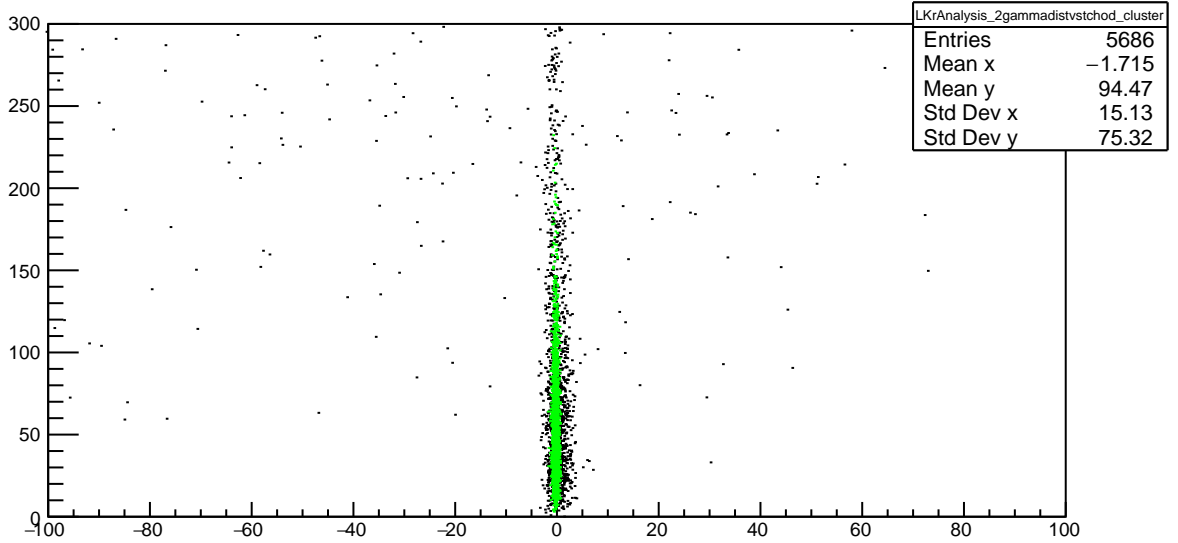
Plot 41 TwoPhotonAnalysis/LKrAnalysis_2gammadistvst_cluster 43



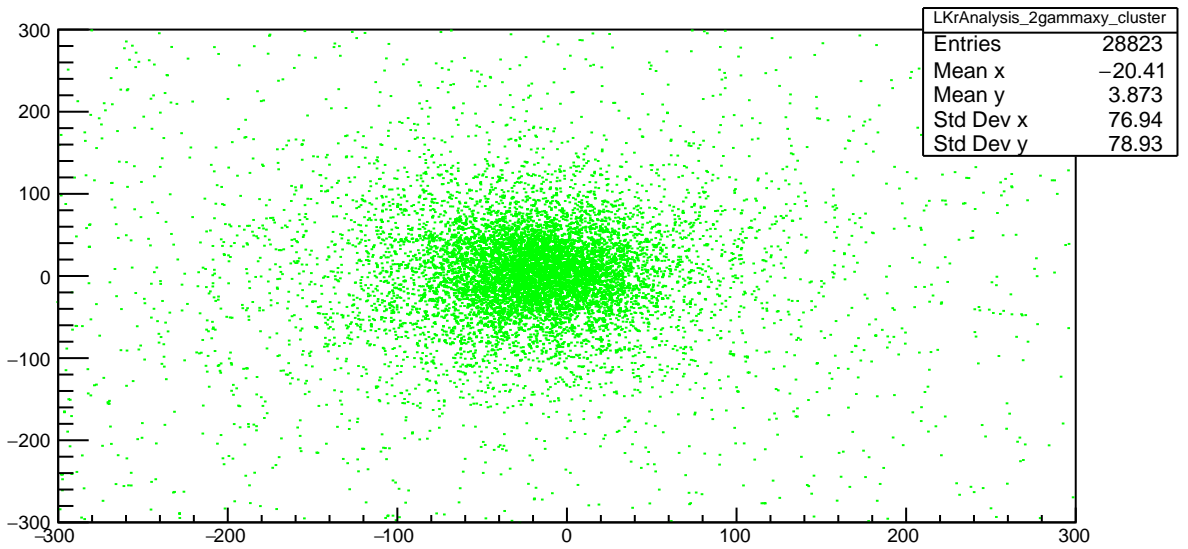
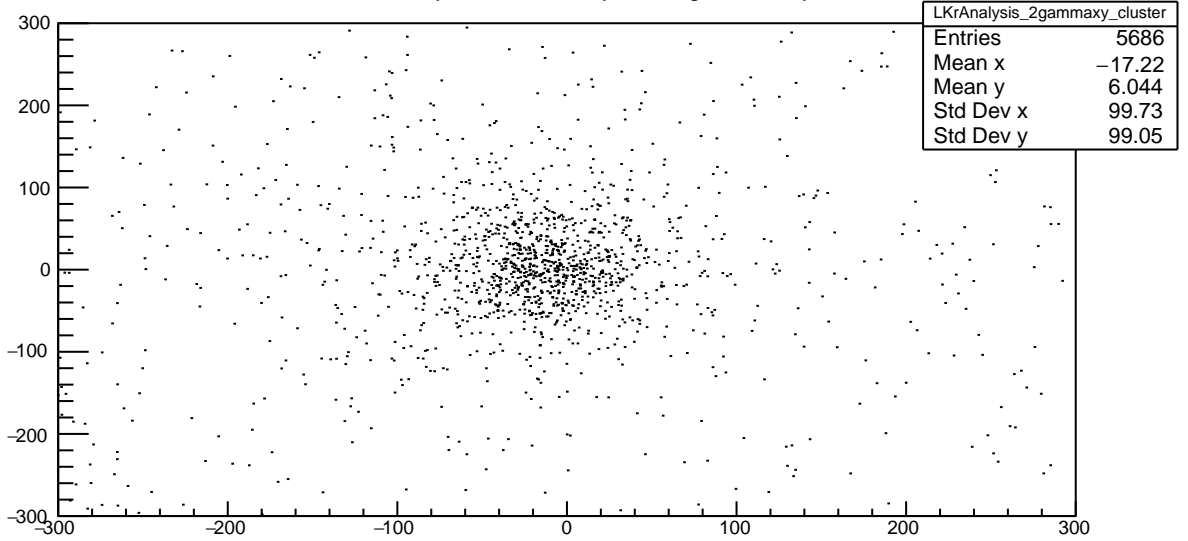
Plot 42 TwoPhotonAnalysis/LKrAnalysis_2gammadistvstchod_cluster 44



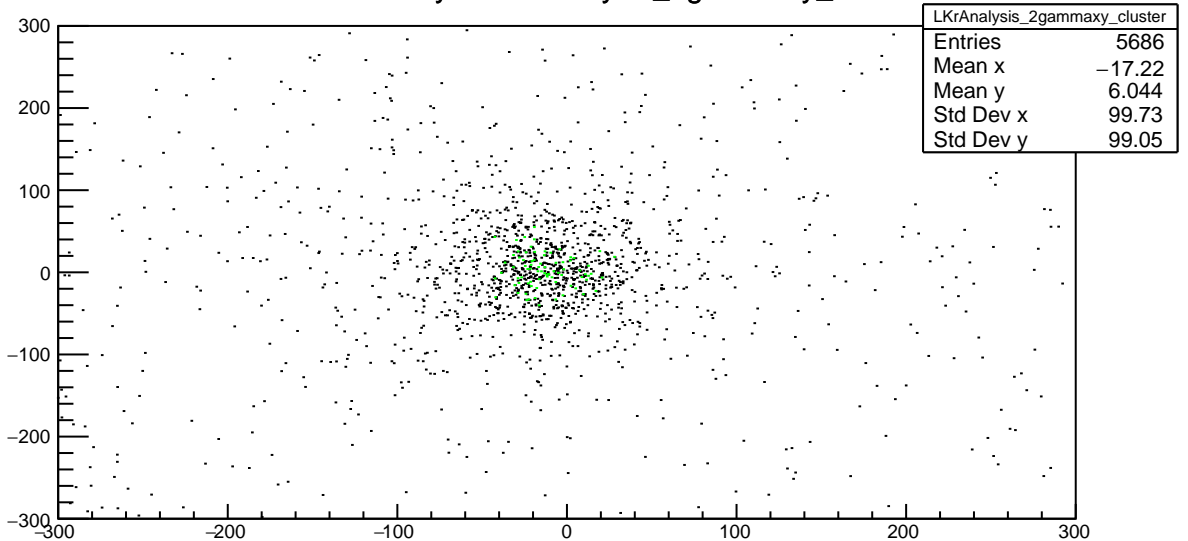
Plot 42 TwoPhotonAnalysis/LKrAnalysis_2gammadistvstchod_cluster 44



Plot 43 TwoPhotonAnalysis/LKrAnalysis_2gammaxy_cluster 45

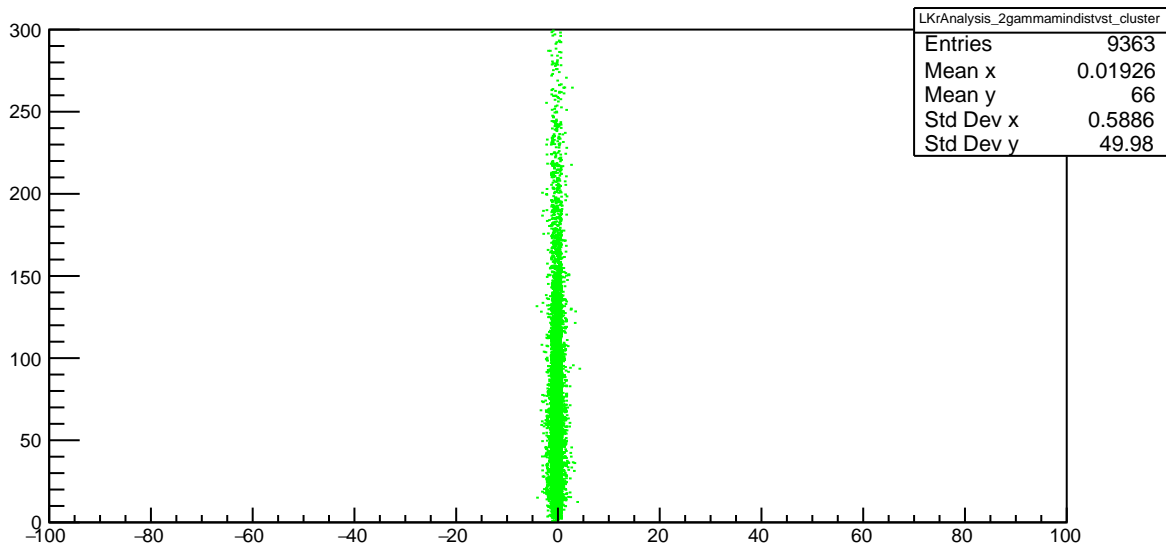
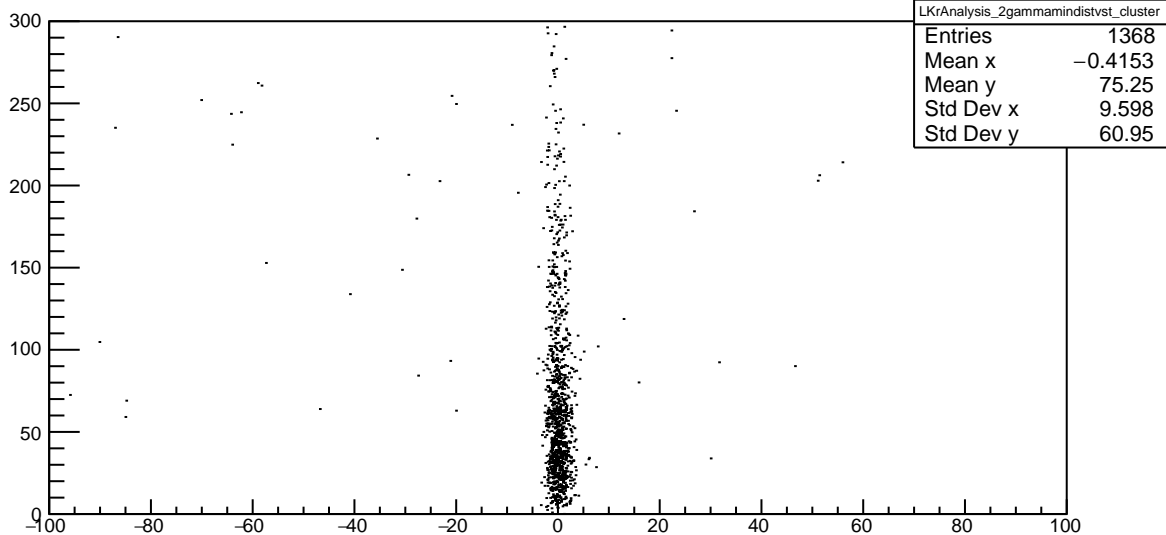


Plot 43 TwoPhotonAnalysis/LKrAnalysis_2gammaxy_cluster 45



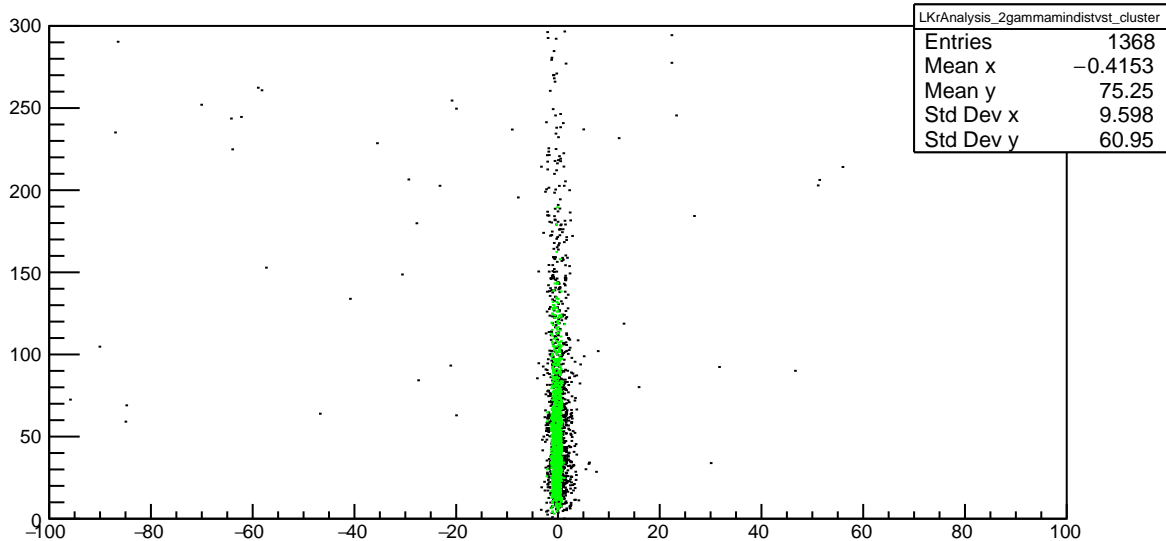
Plot 44 TwoPhotonAnalysis/LKrAnalysis_2gammamindistvst_cluster

46

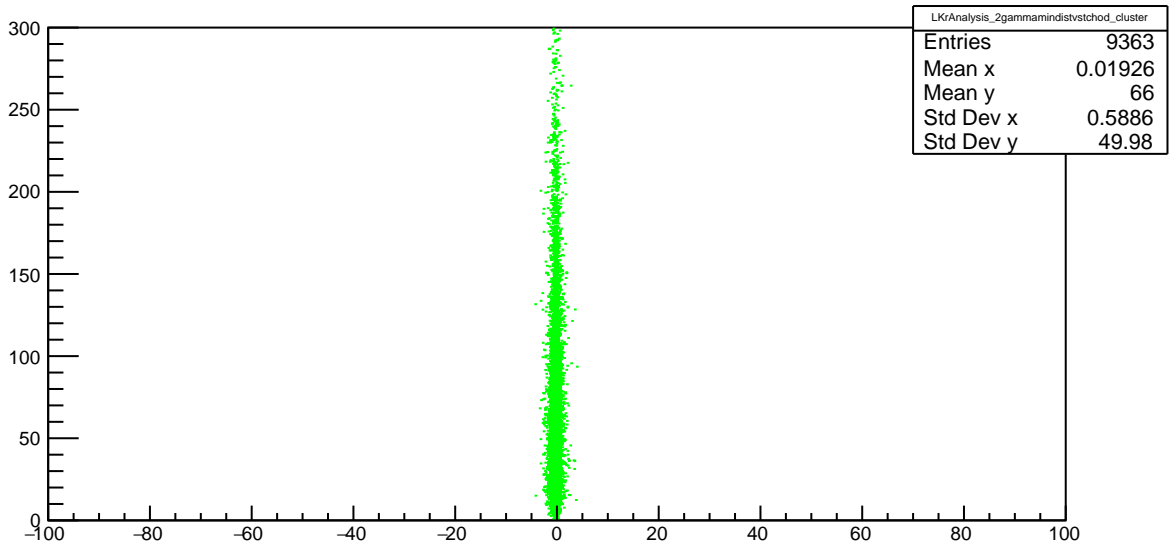
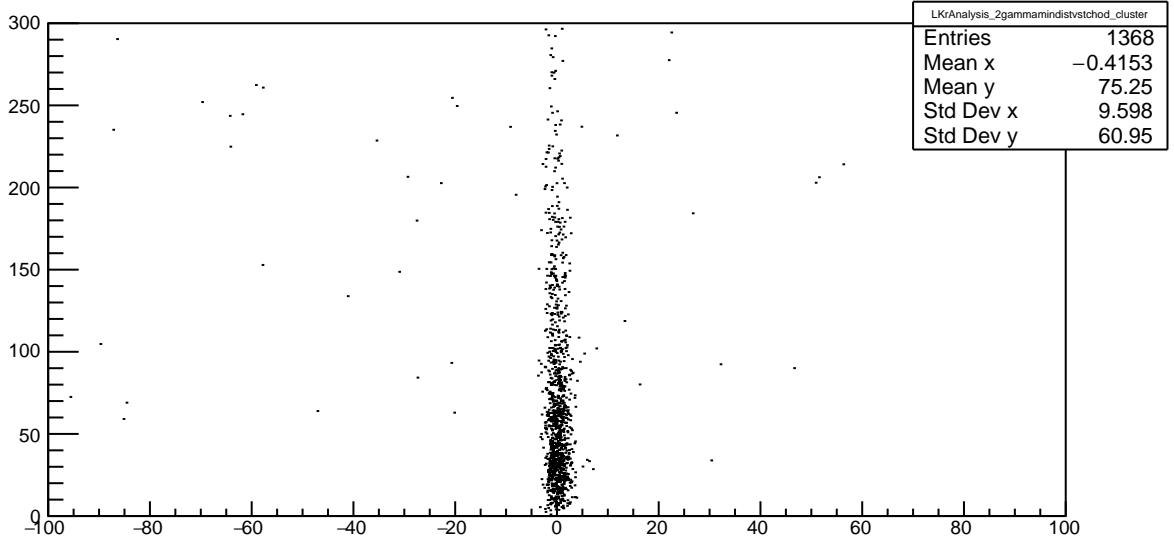


Plot 44 TwoPhotonAnalysis/LKrAnalysis_2gammamindistvst_cluster

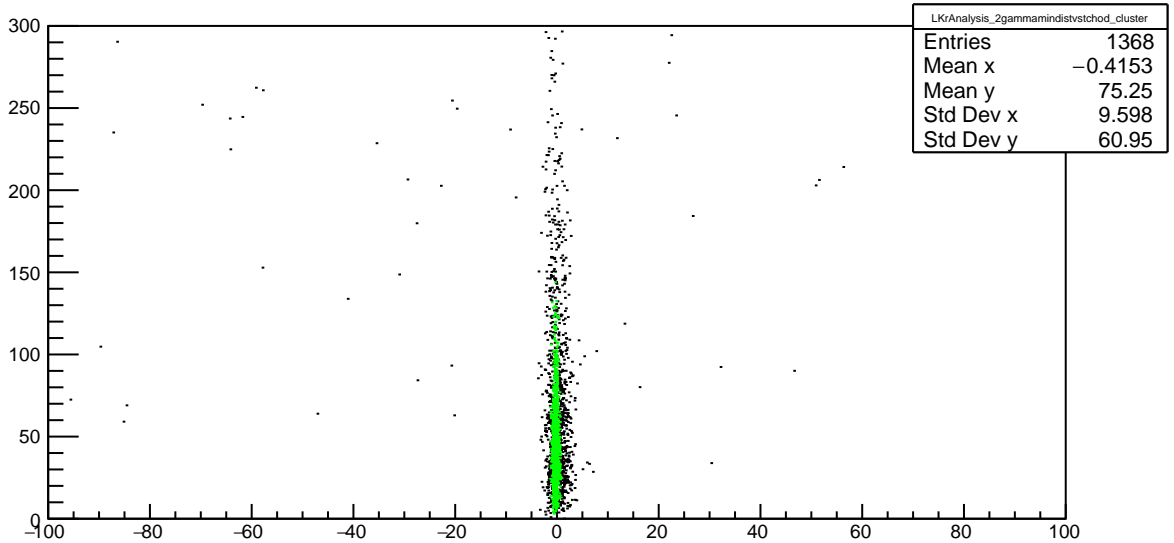
46



Plot 45 TwoPhotonAnalysis/LKrAnalysis_2gammamindistvtstchod_cluster 47

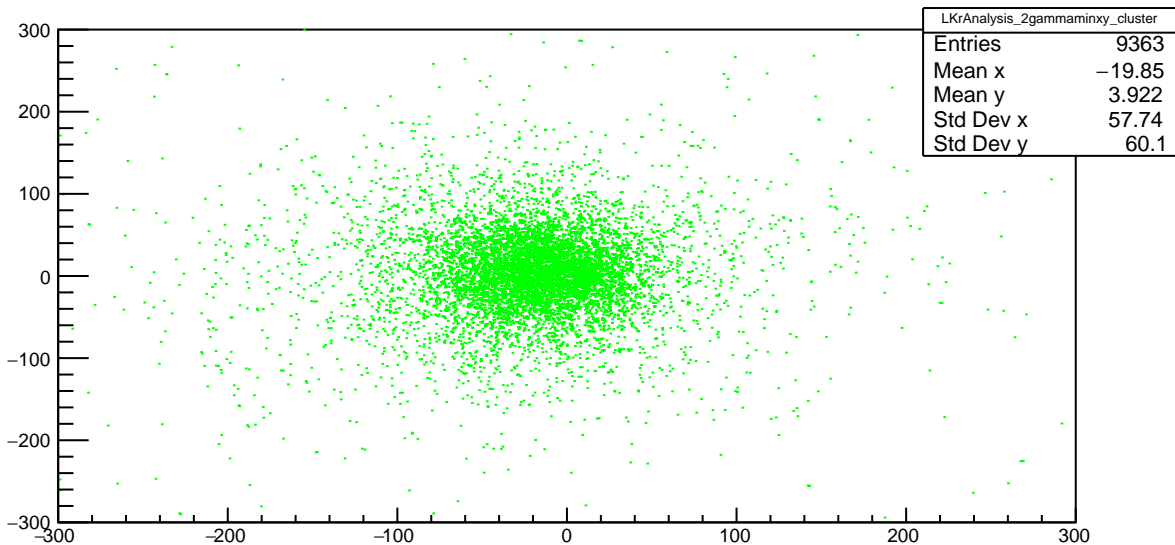
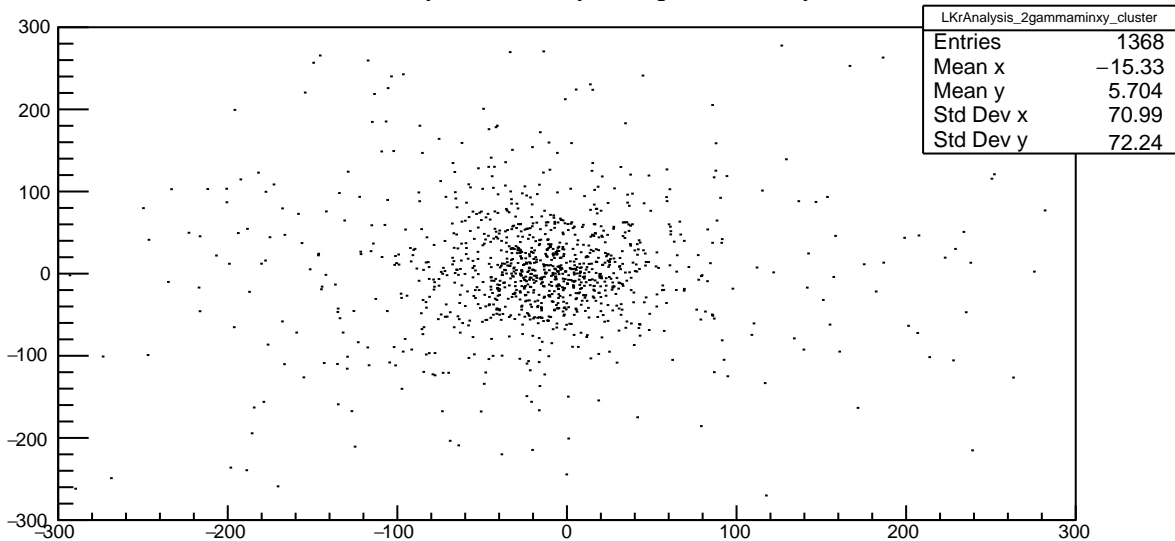


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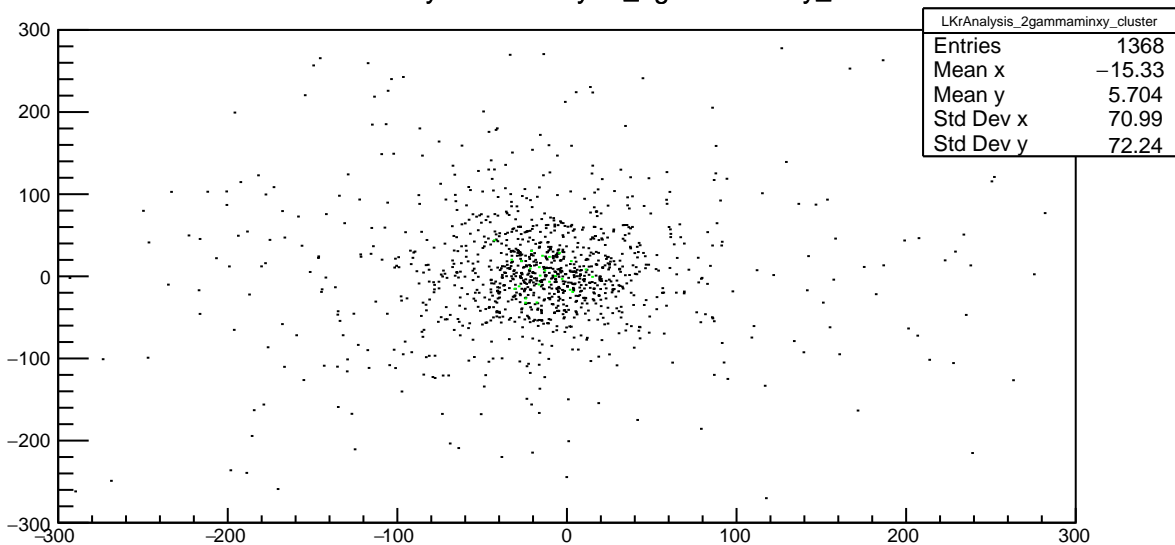
Plot 46 TwoPhotonAnalysis/LKrAnalysis_2gammaminxy_cluster

48



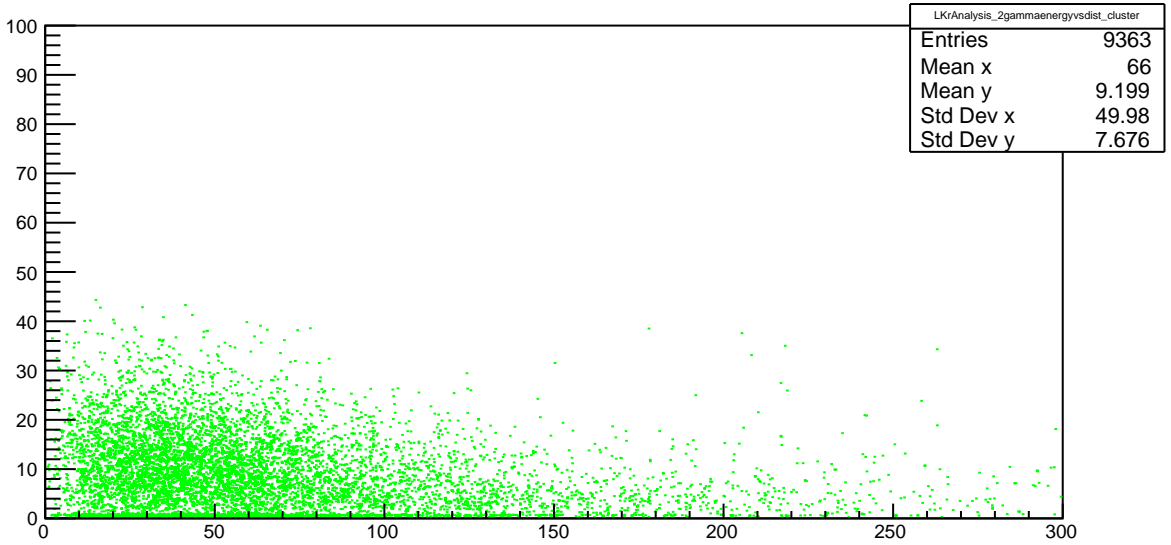
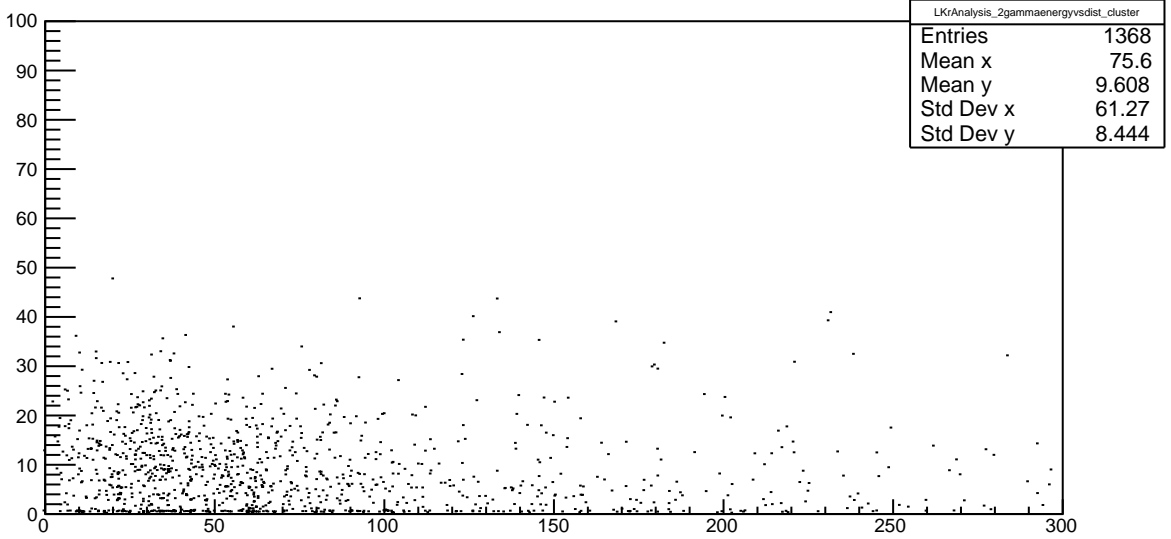
Plot 46 TwoPhotonAnalysis/LKrAnalysis_2gammaminxy_cluster

48



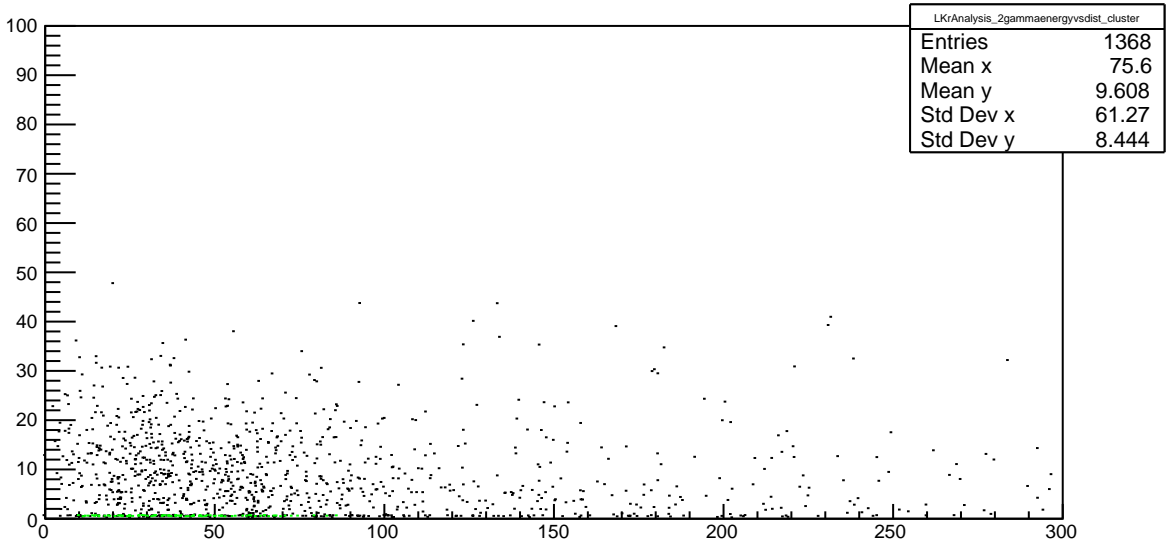
Plot 47 TwoPhotonAnalysis/LKrAnalysis_2gammaenergyvsdist_cluster

49

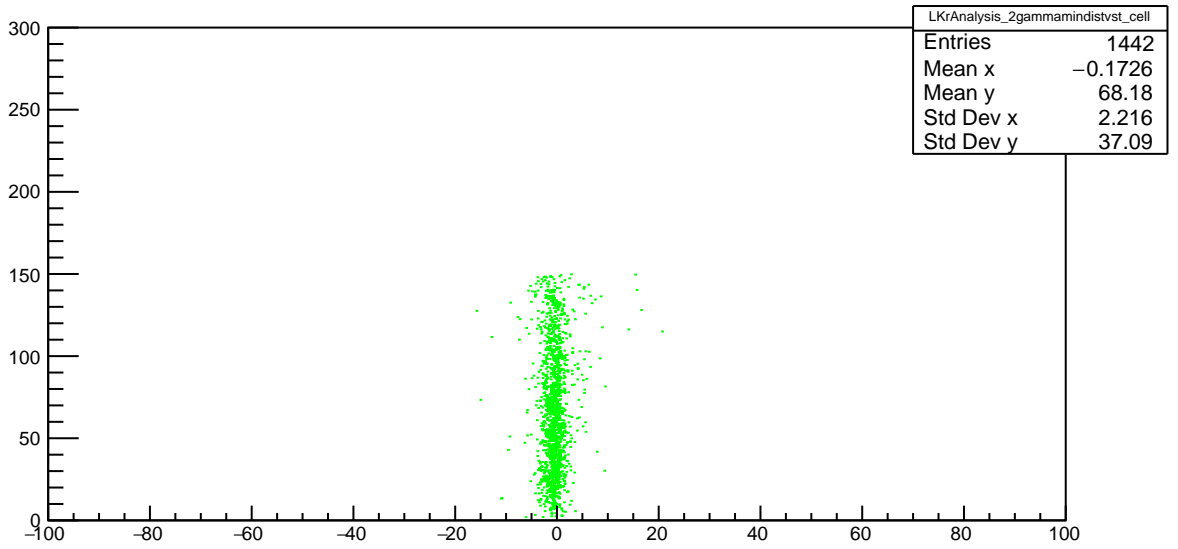
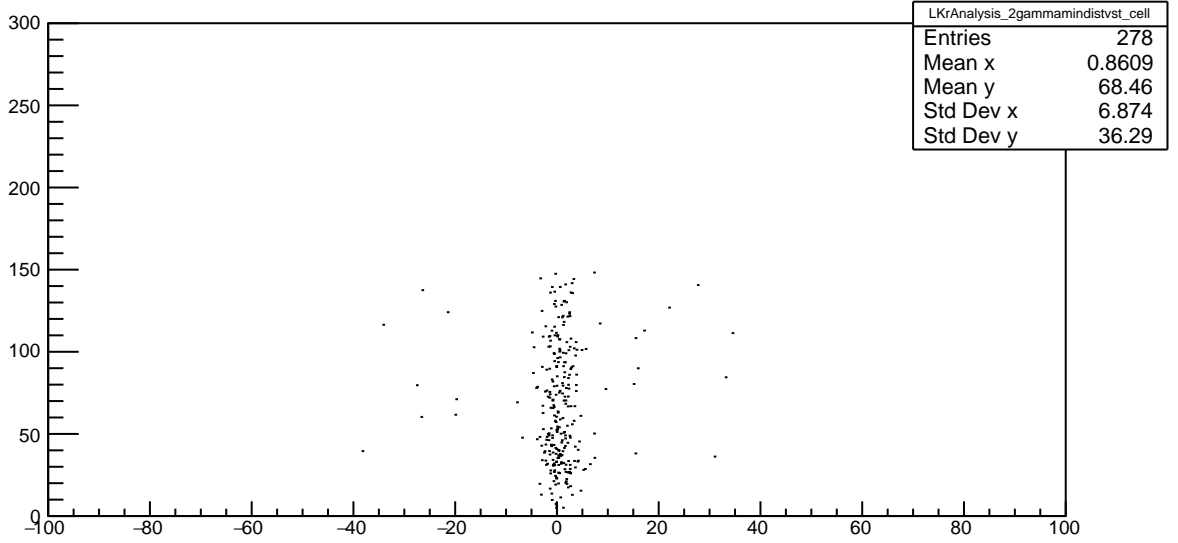


Plot 47 TwoPhotonAnalysis/LKrAnalysis_2gammaenergyvsdist_cluster

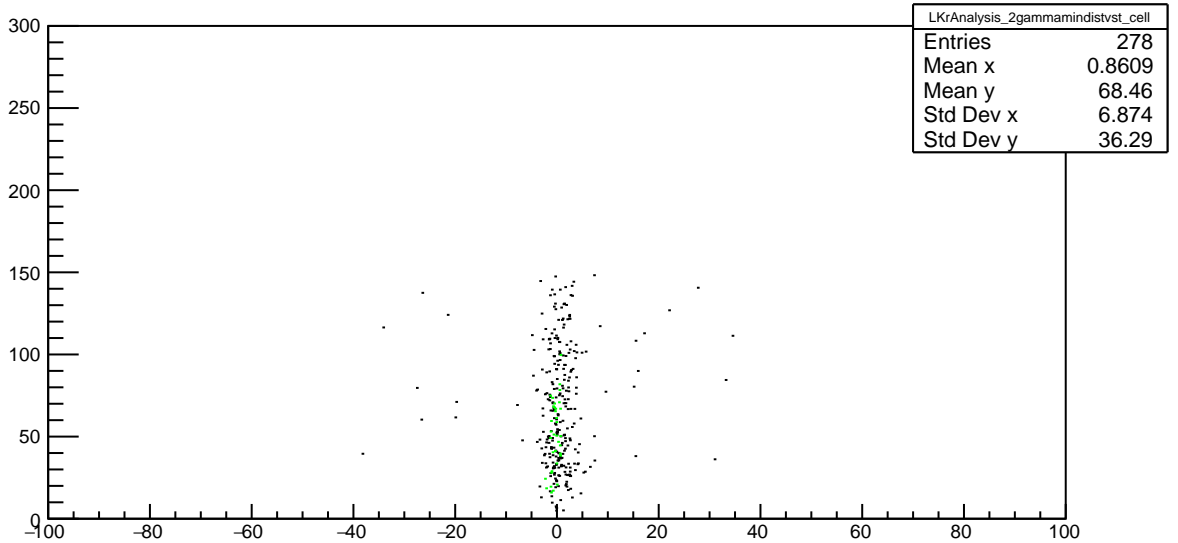
49



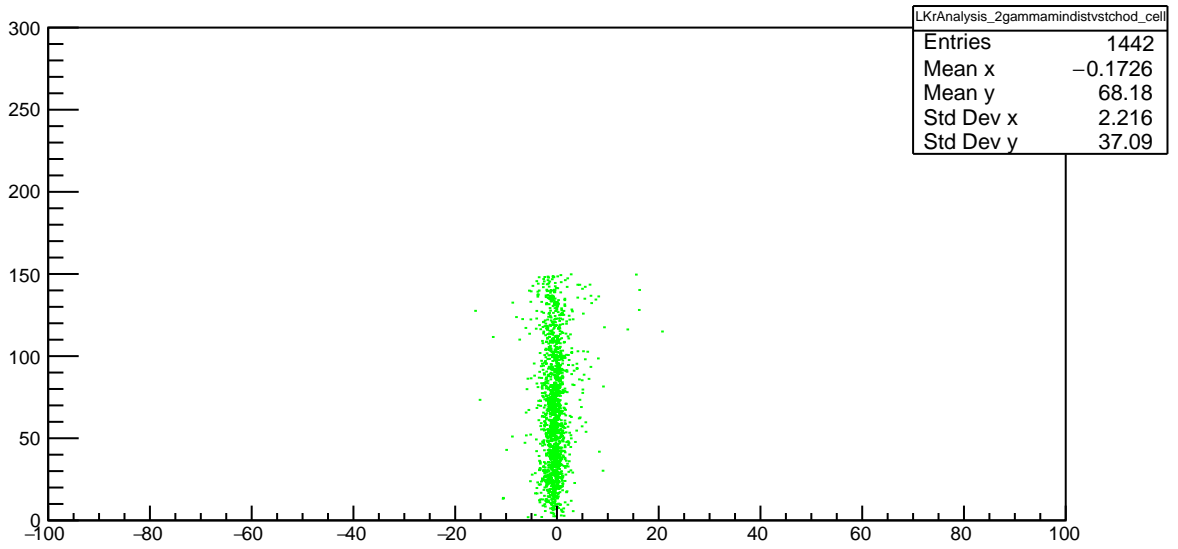
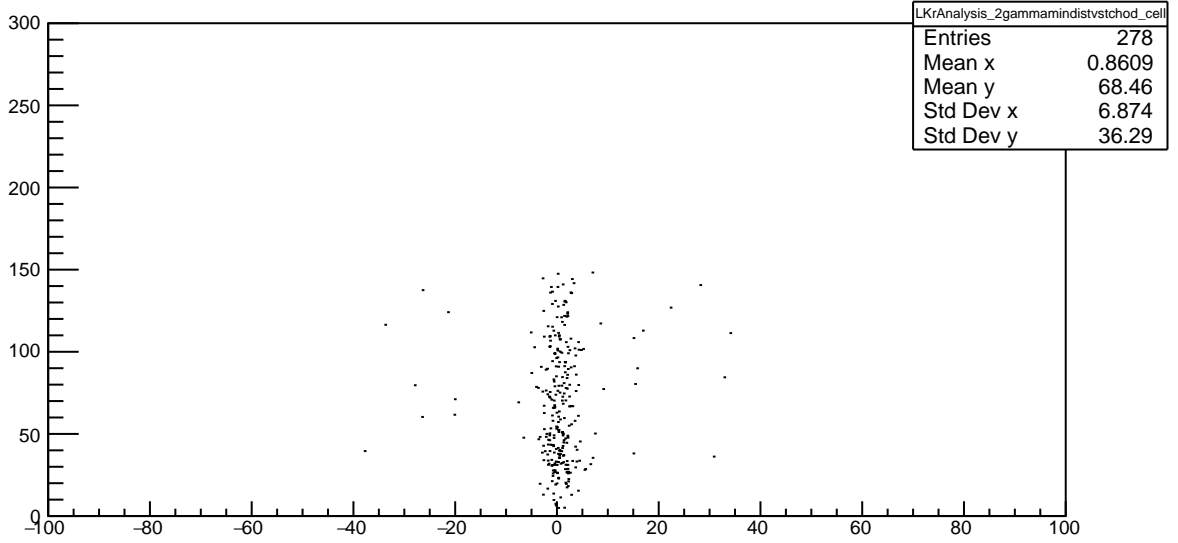
Plot 48 TwoPhotonAnalysis/LKrAnalysis_2gammamindistvst_cell 50



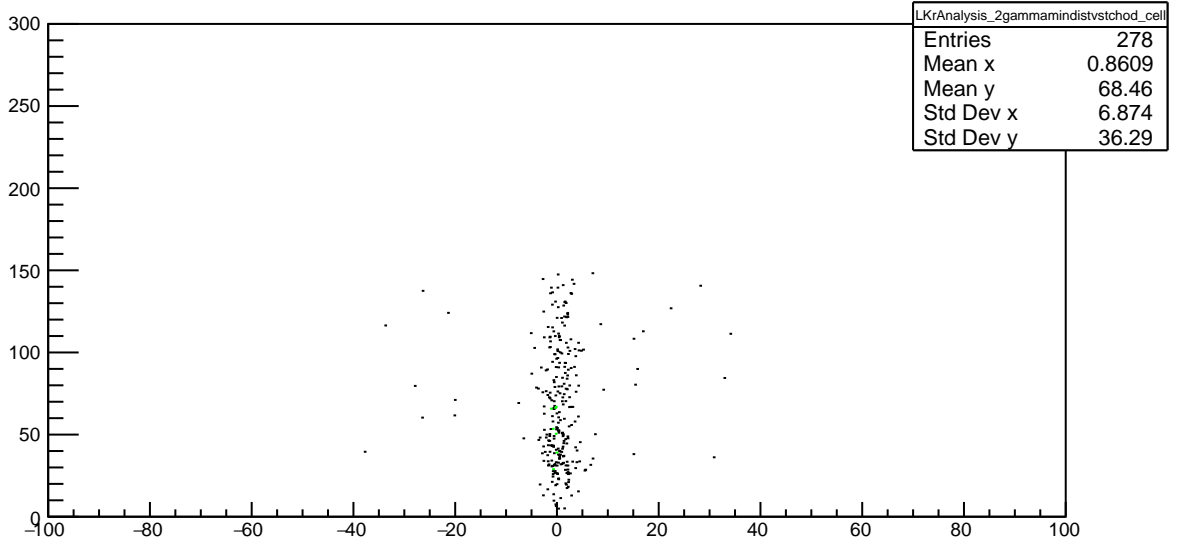
Plot 48 TwoPhotonAnalysis/LKrAnalysis_2gammamindistvst_cell 50



Plot 49 TwoPhotonAnalysis/LKrAnalysis_2gammamindistvtstchod_cell 51

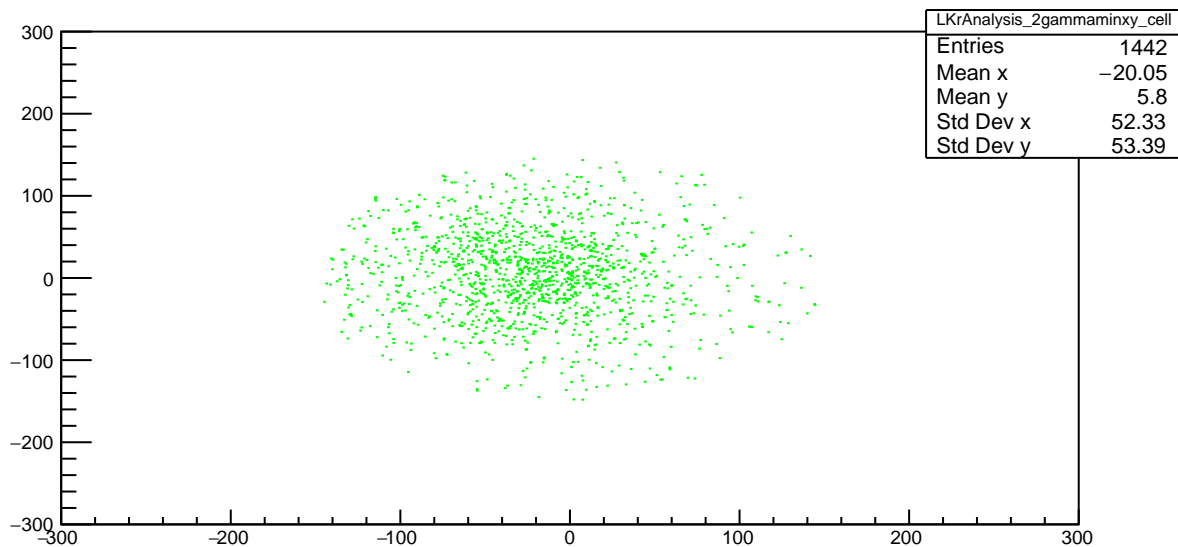
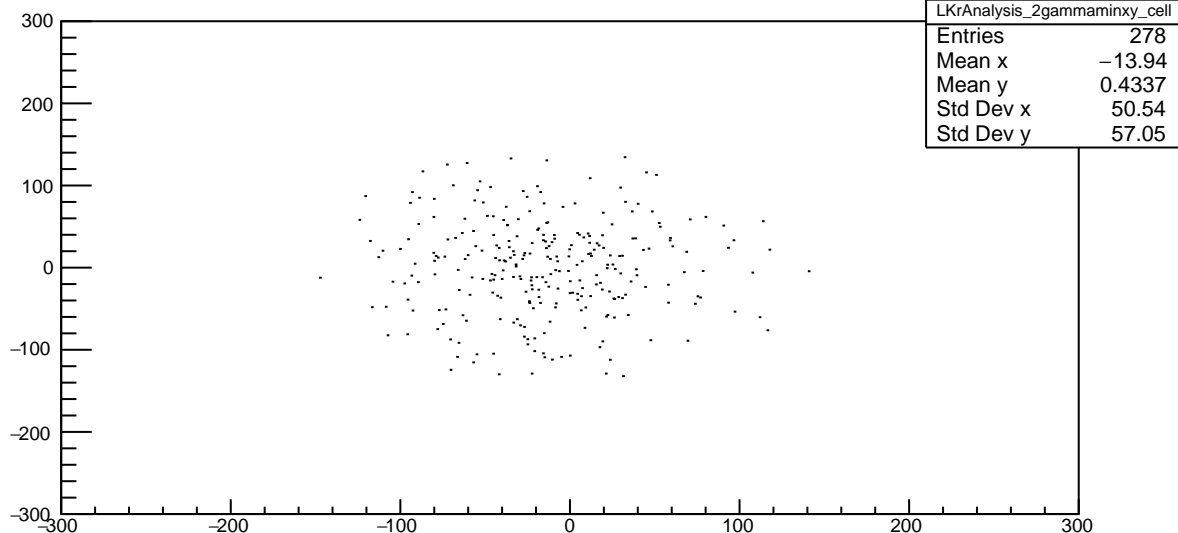


Plot 49 TwoPhotonAnalysis/LKrAnalysis_2gammamindistvtstchod_cell 51



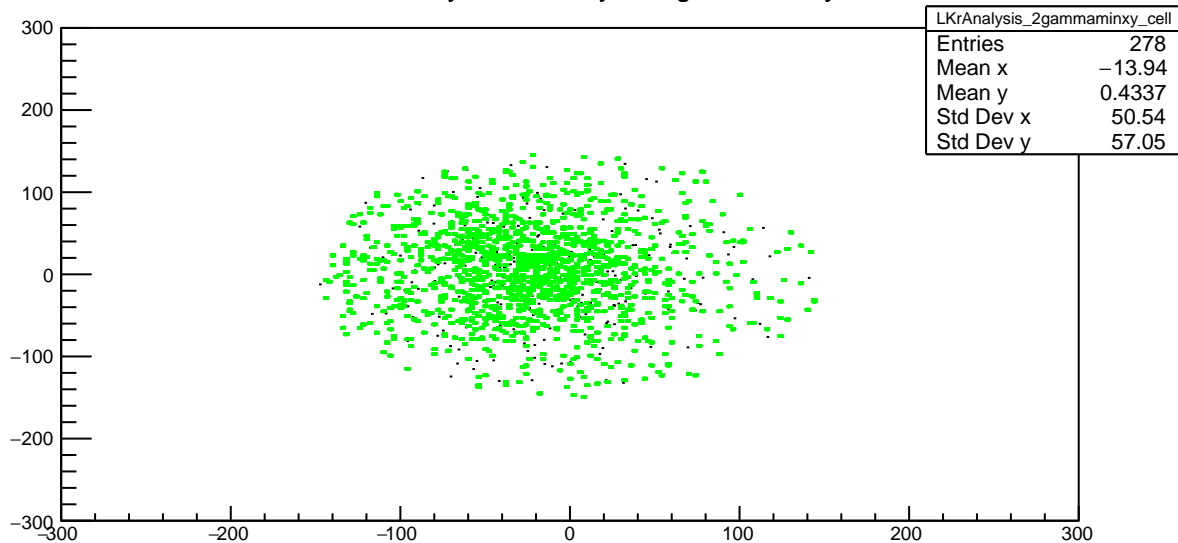
Plot 50 TwoPhotonAnalysis/LKrAnalysis_2gammaminxy_cell

52



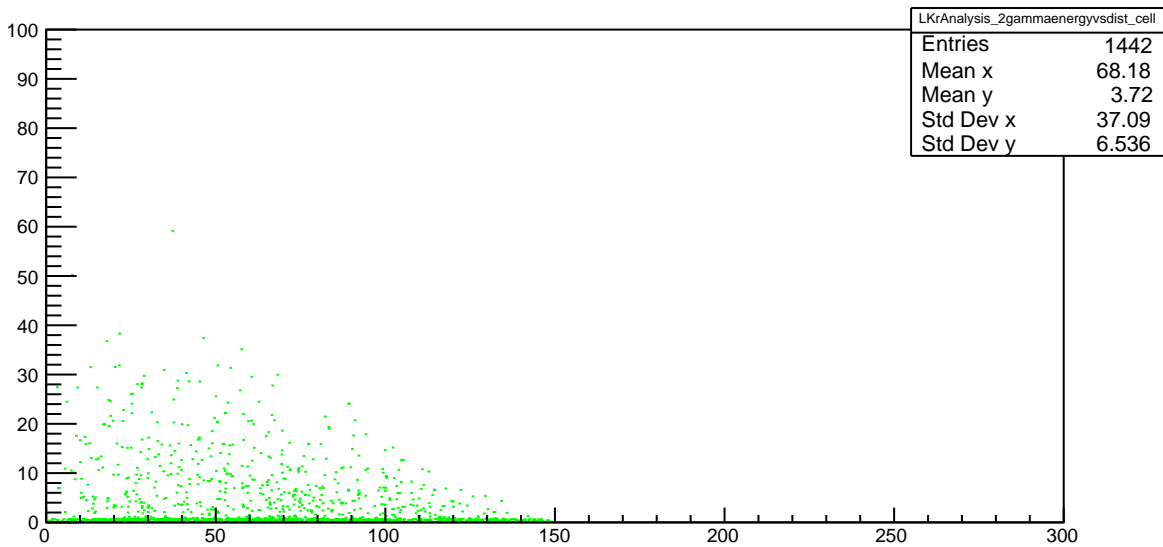
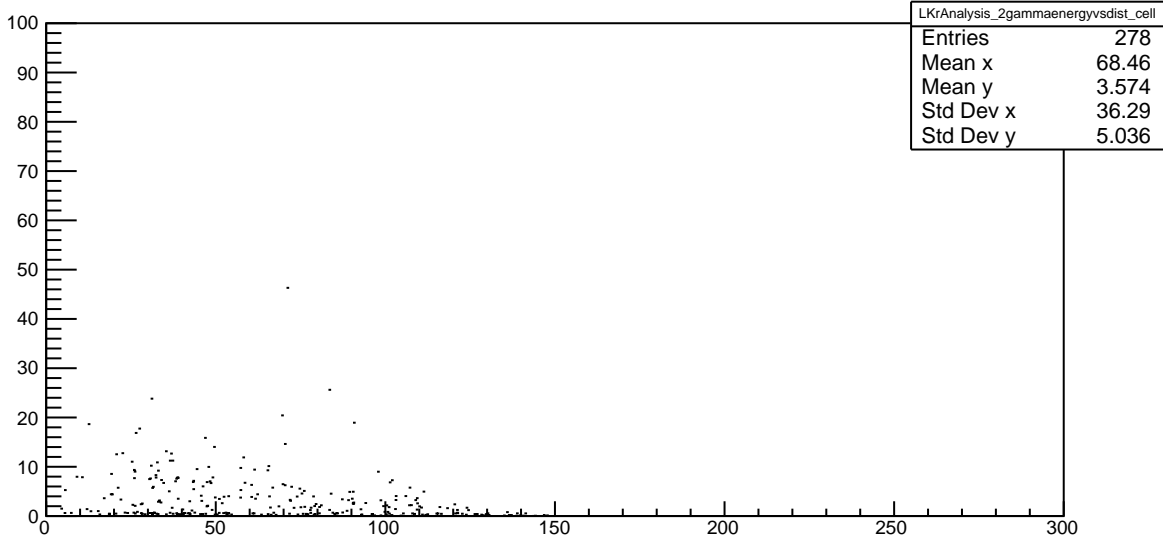
Plot 50 TwoPhotonAnalysis/LKrAnalysis_2gammaminxy_cell

52



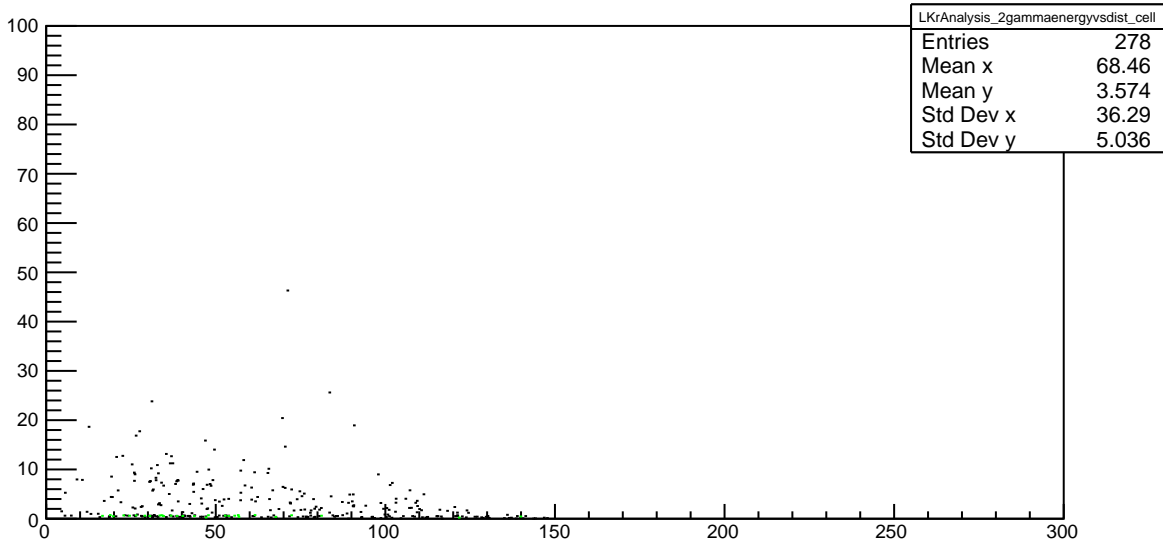
Plot 51 TwoPhotonAnalysis/LKrAnalysis_2gammaenergyvsdist_cell

53



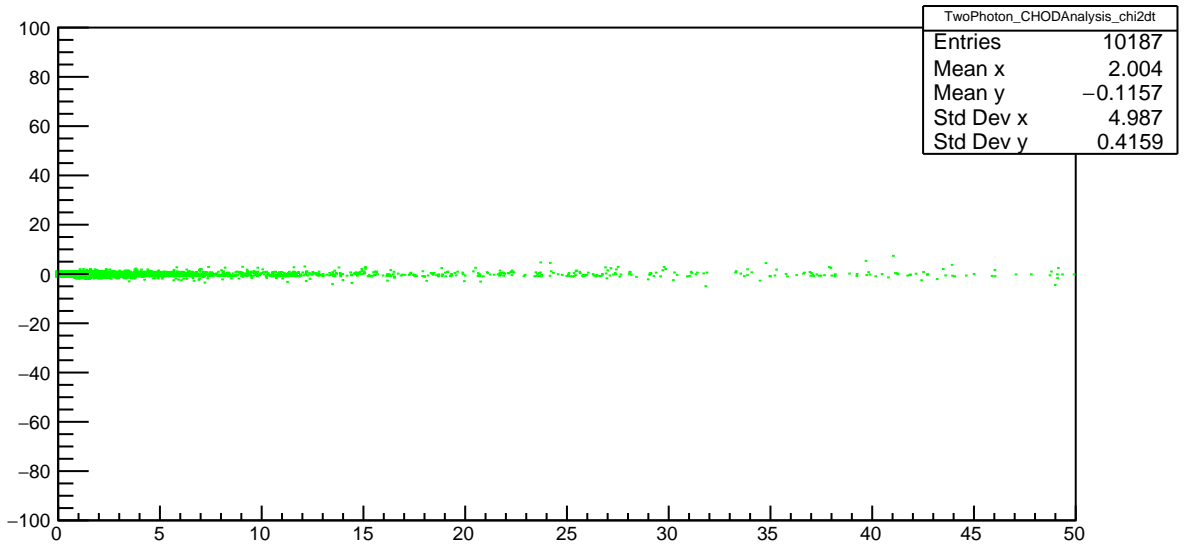
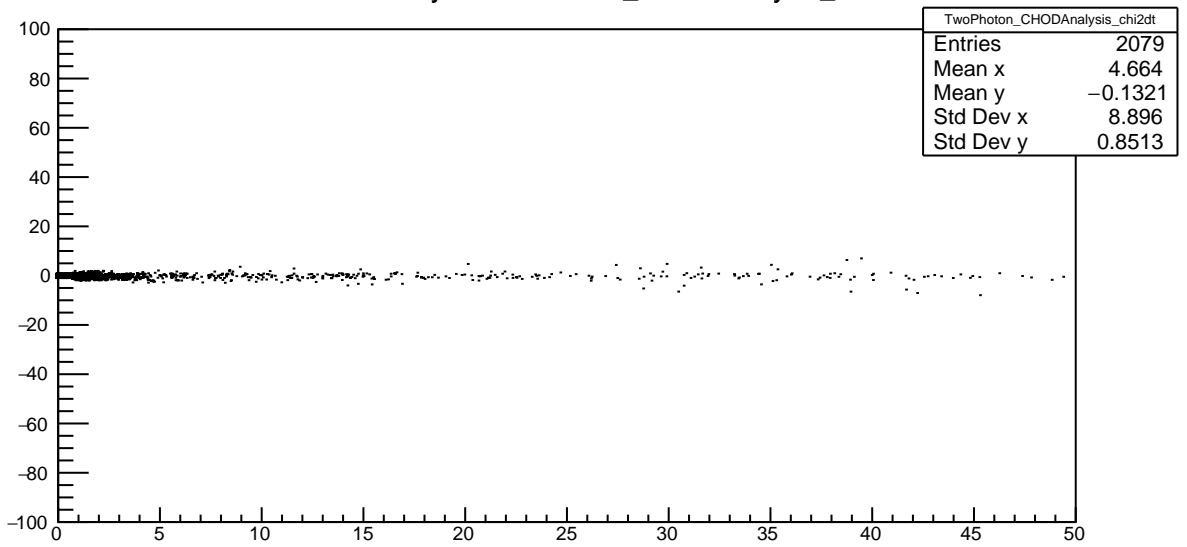
Plot 51 TwoPhotonAnalysis/LKrAnalysis_2gammaenergyvsdist_cell

53



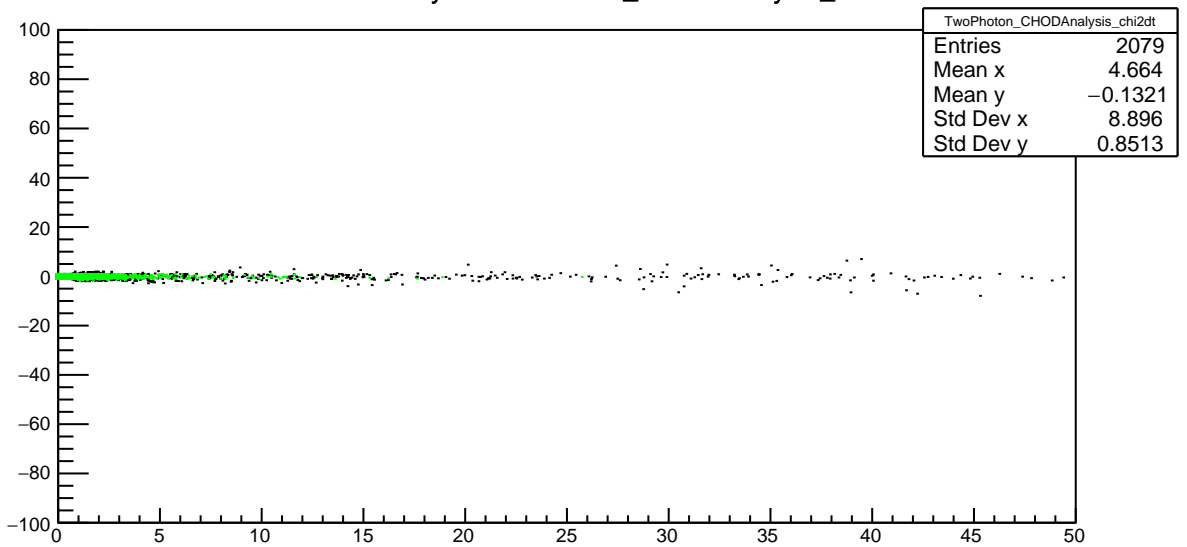
Plot 52 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_chi2dt

54

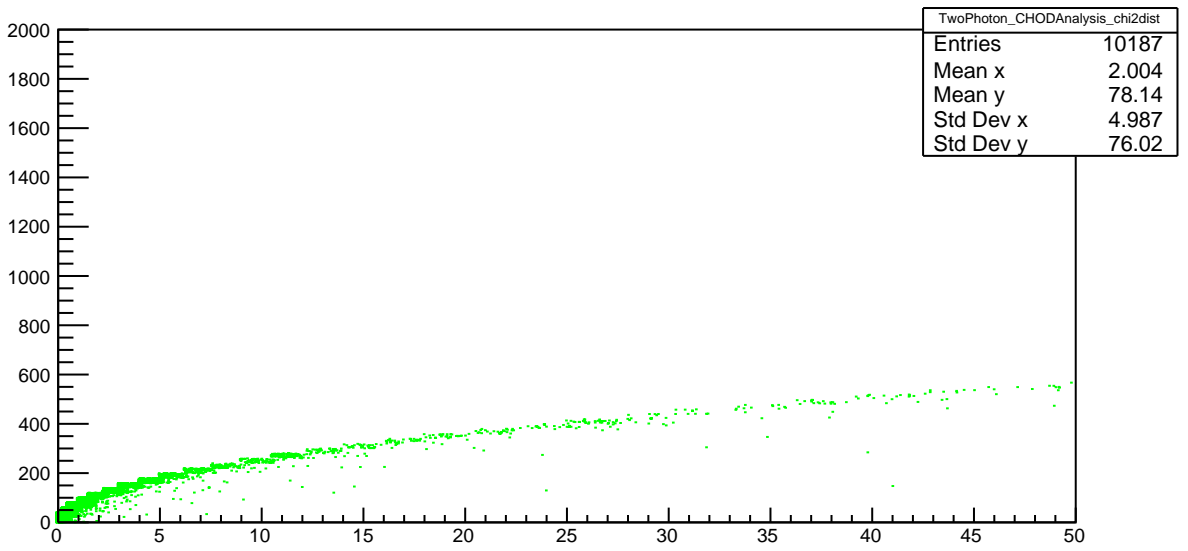
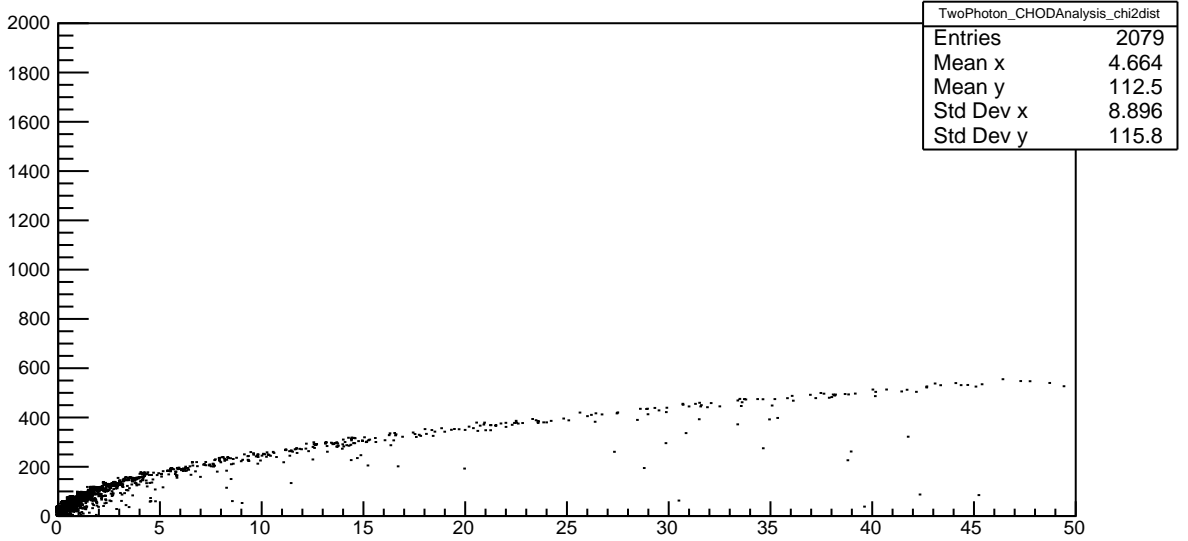


Plot 52 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_chi2dt

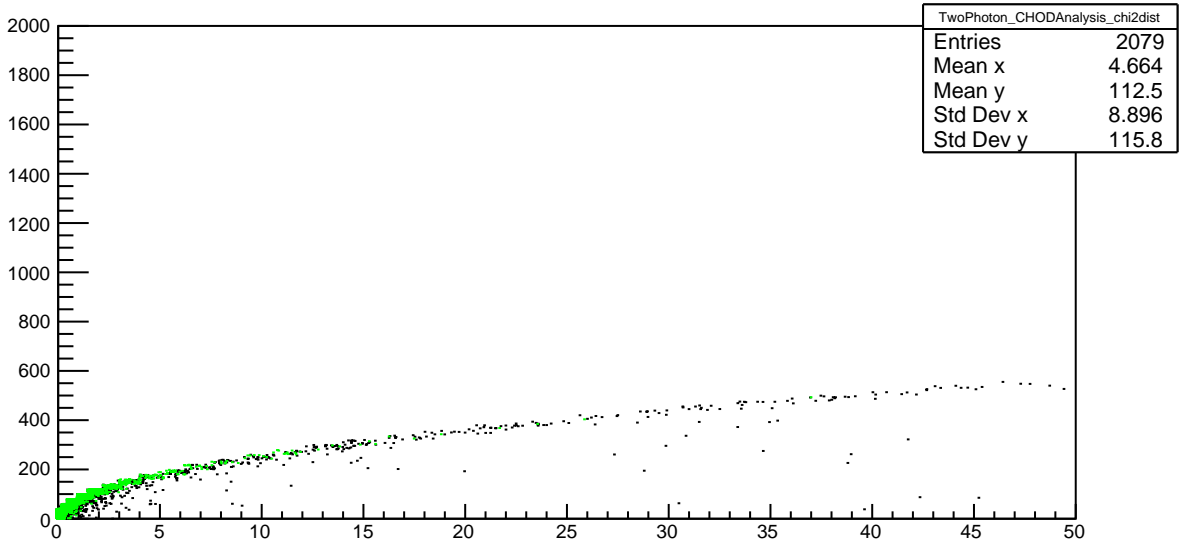
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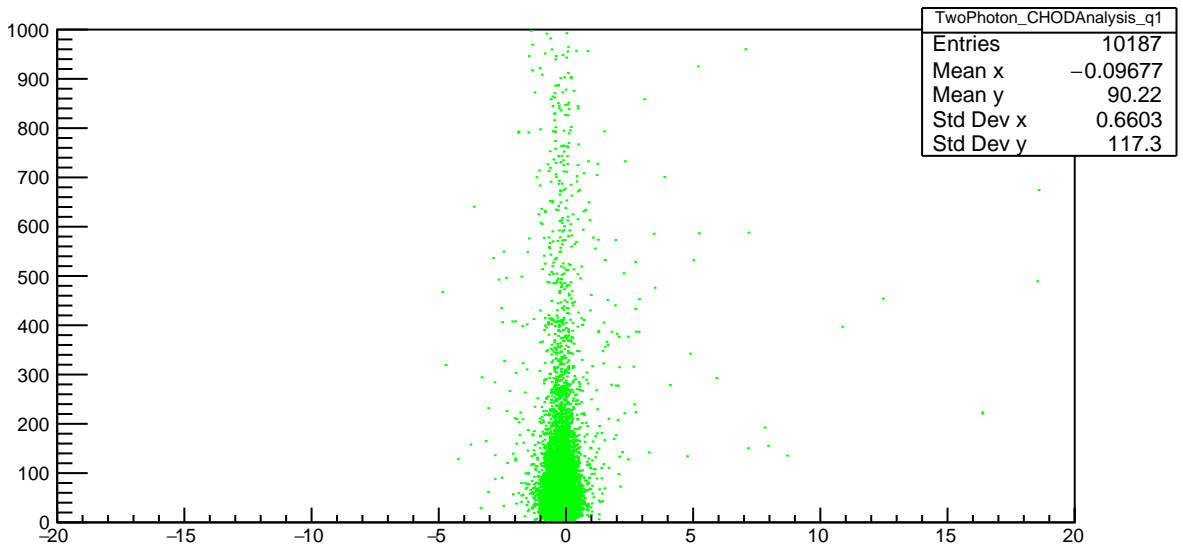
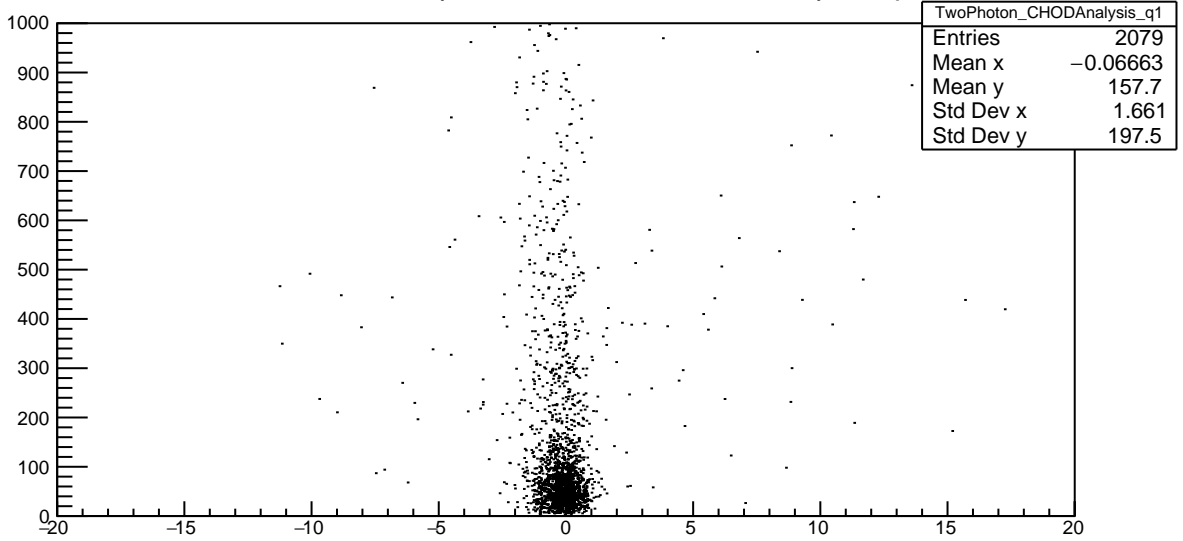
Plot 53 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_chi2dist 55



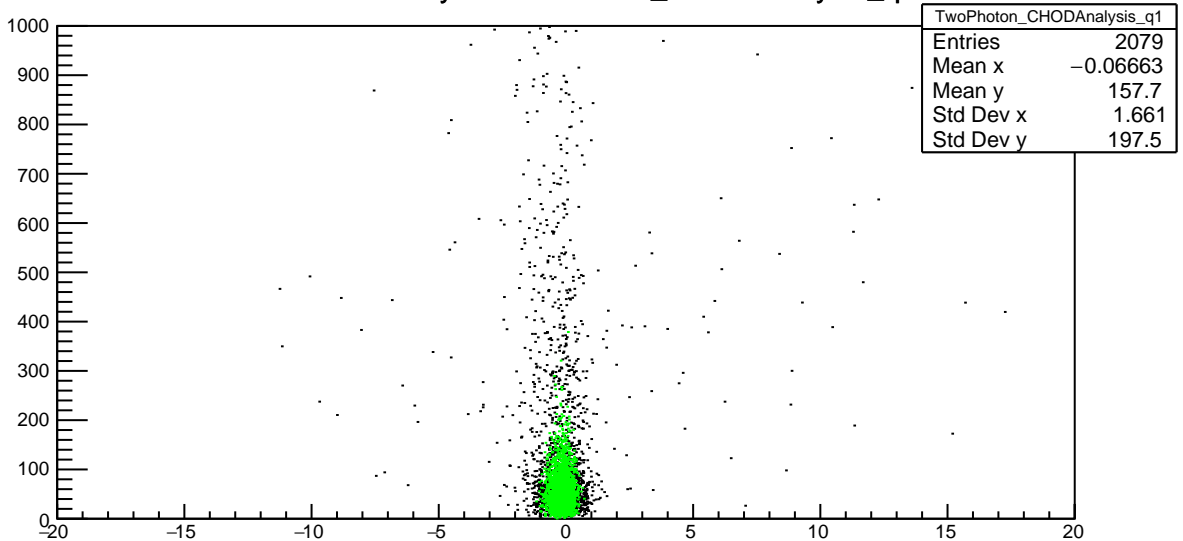
Plot 53 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_chi2dist 55



Plot 54 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_q1 56

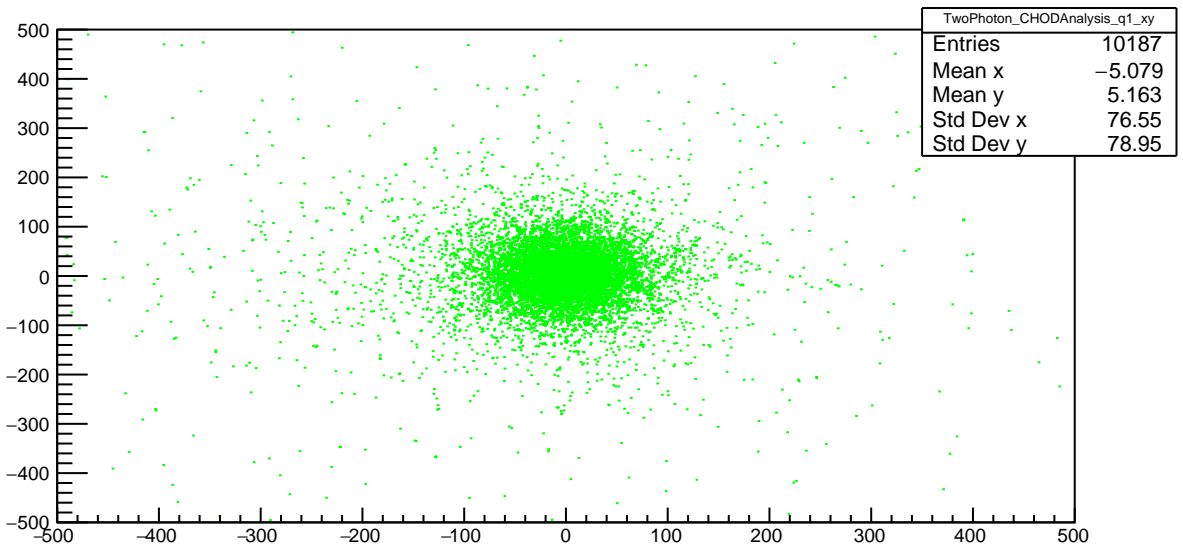
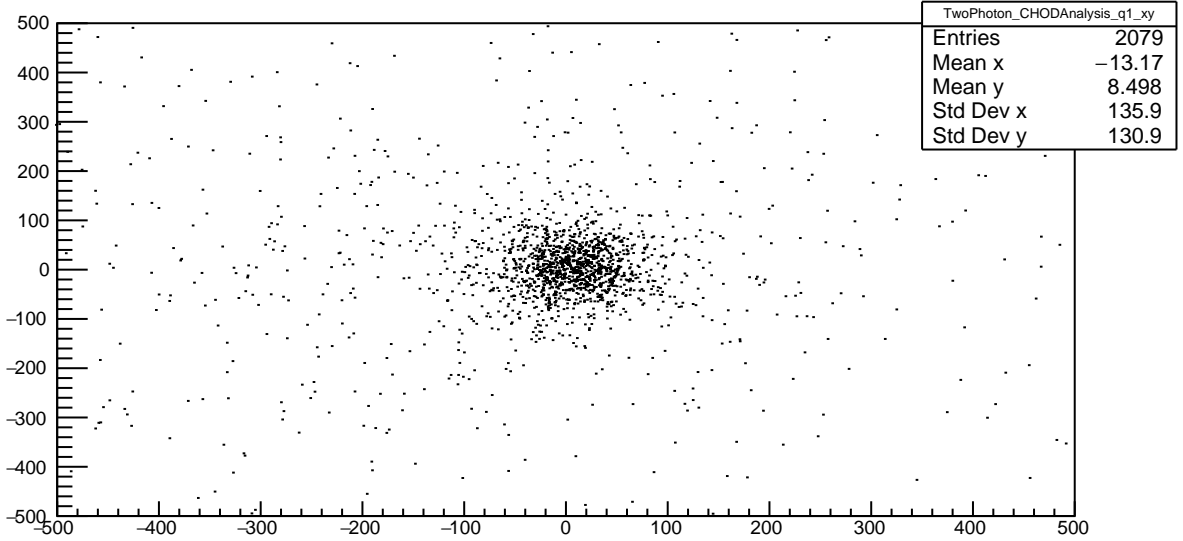


Plot 54 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_q1 56



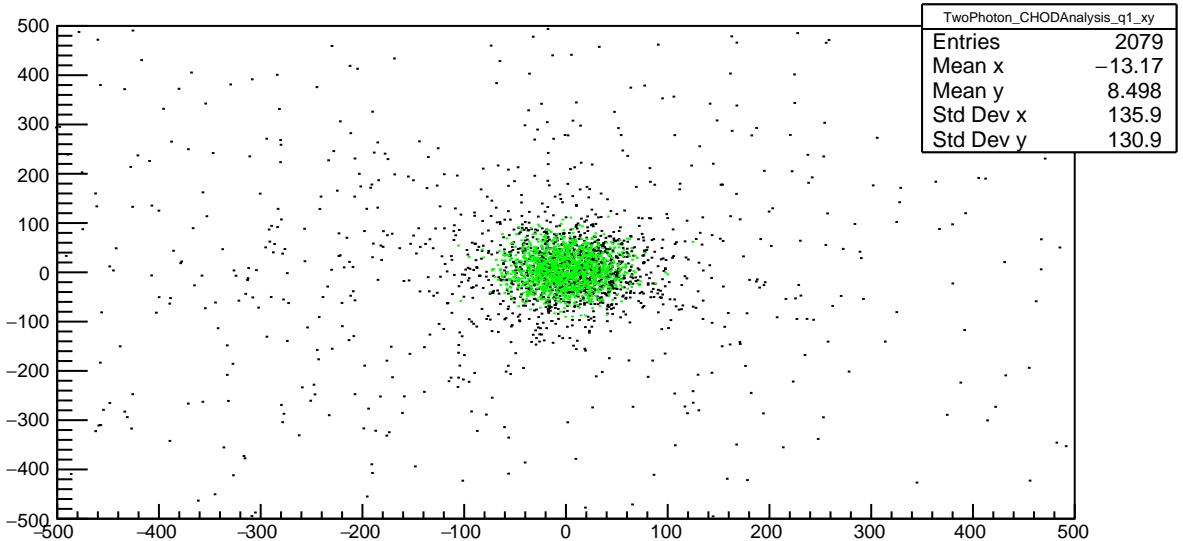
Plot 55 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_q1_xy

57



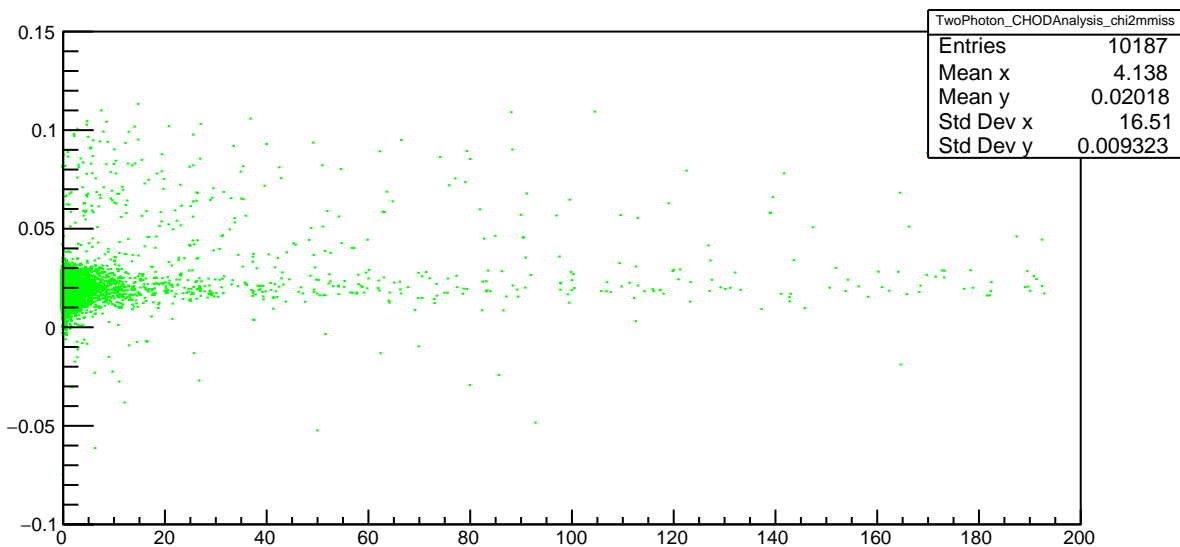
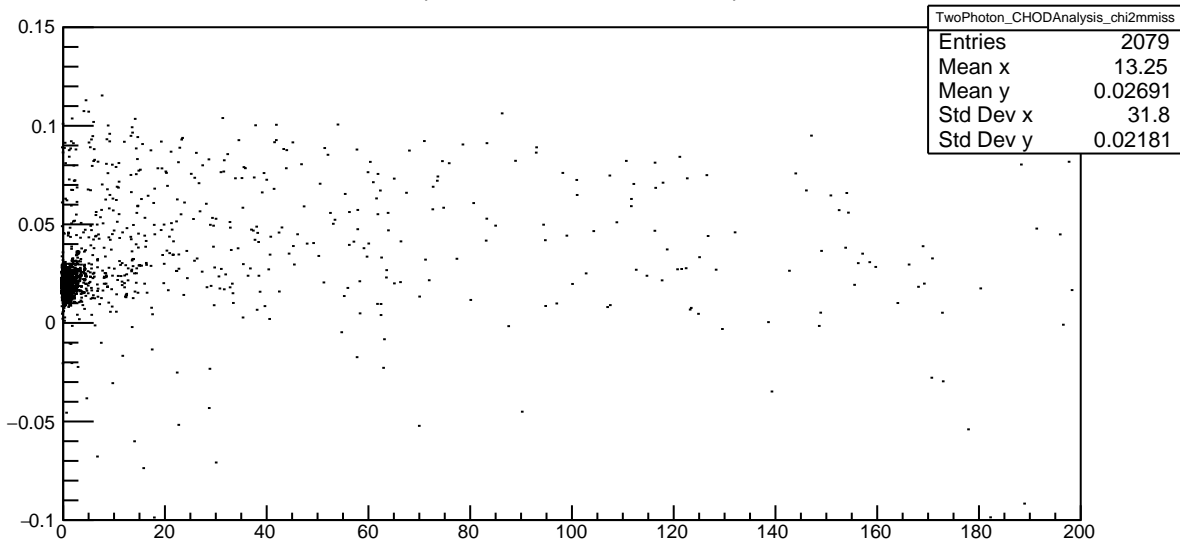
Plot 55 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_q1_xy

57



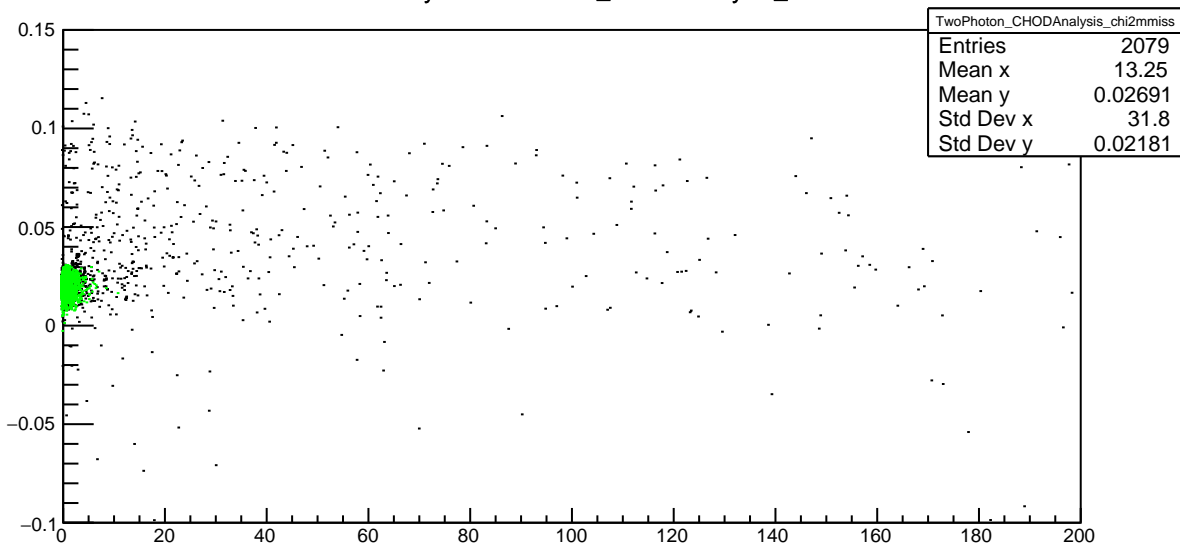
Plot 56 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_chi2mmiss

58

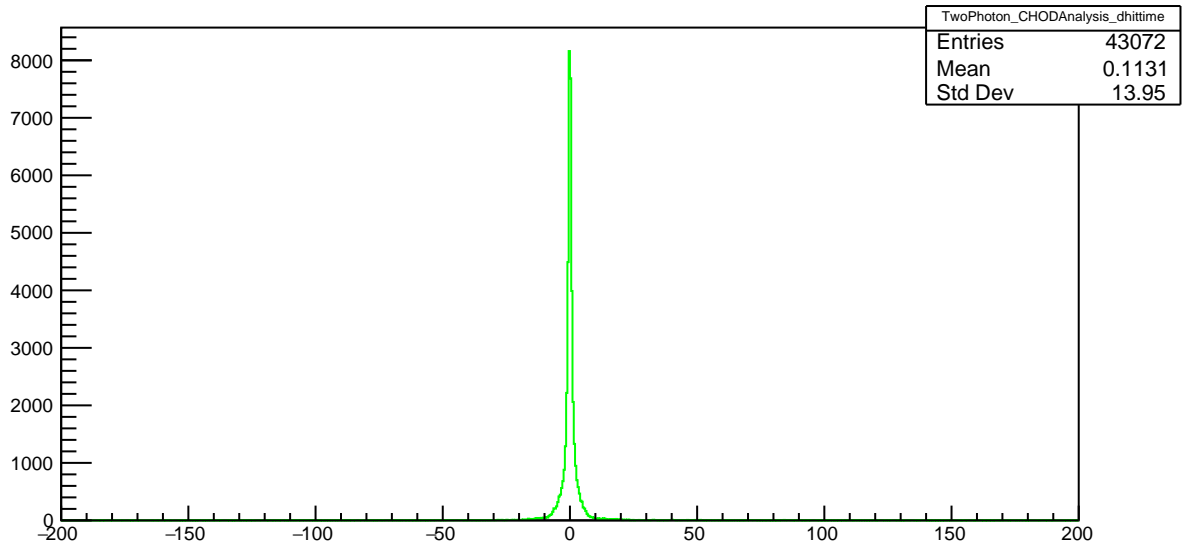
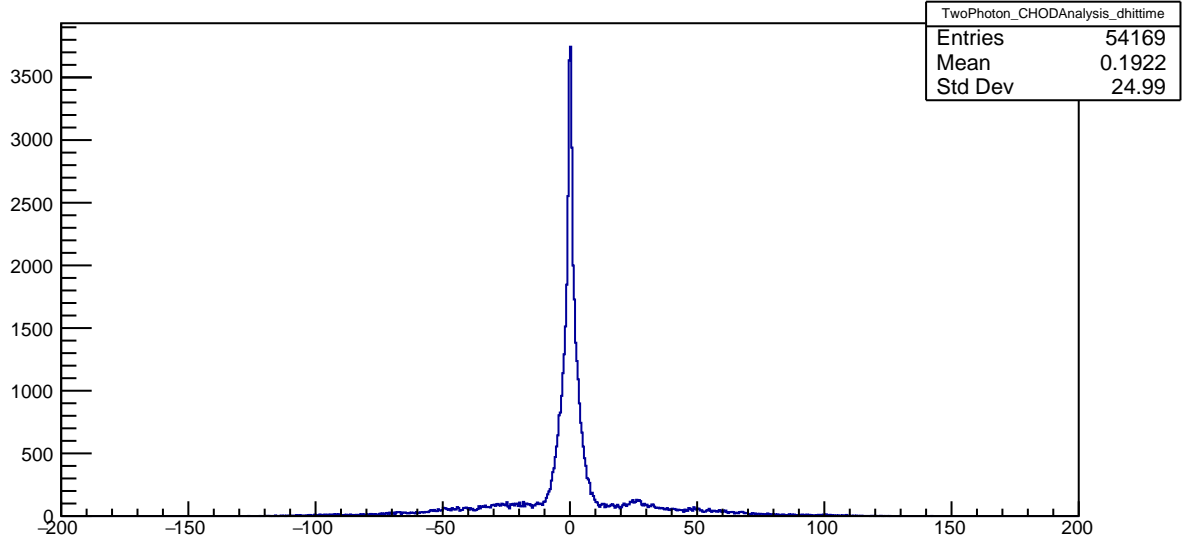


Plot 56 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_chi2mmiss

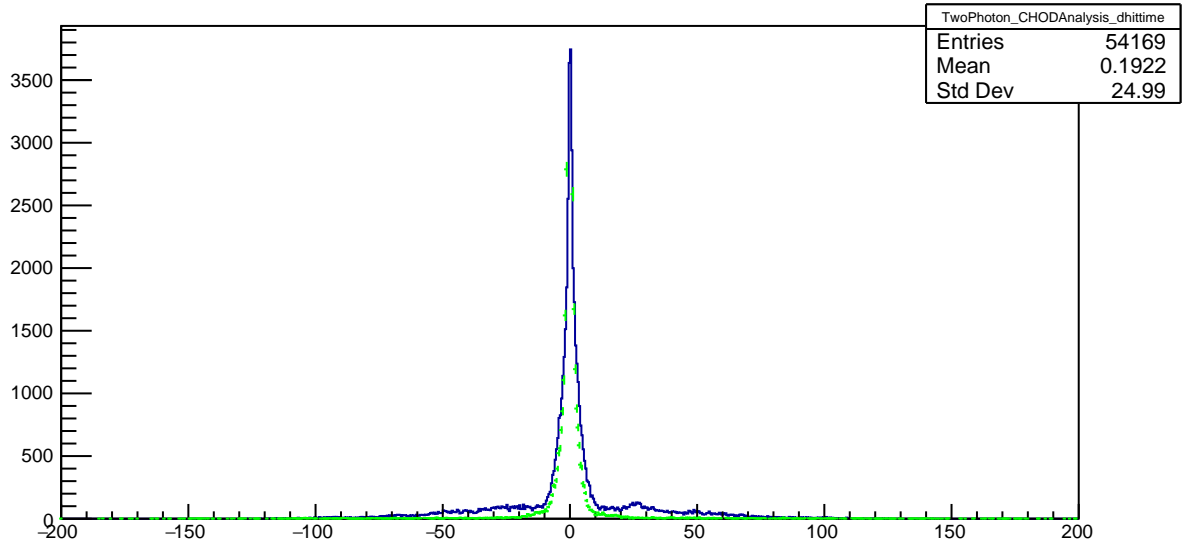
58



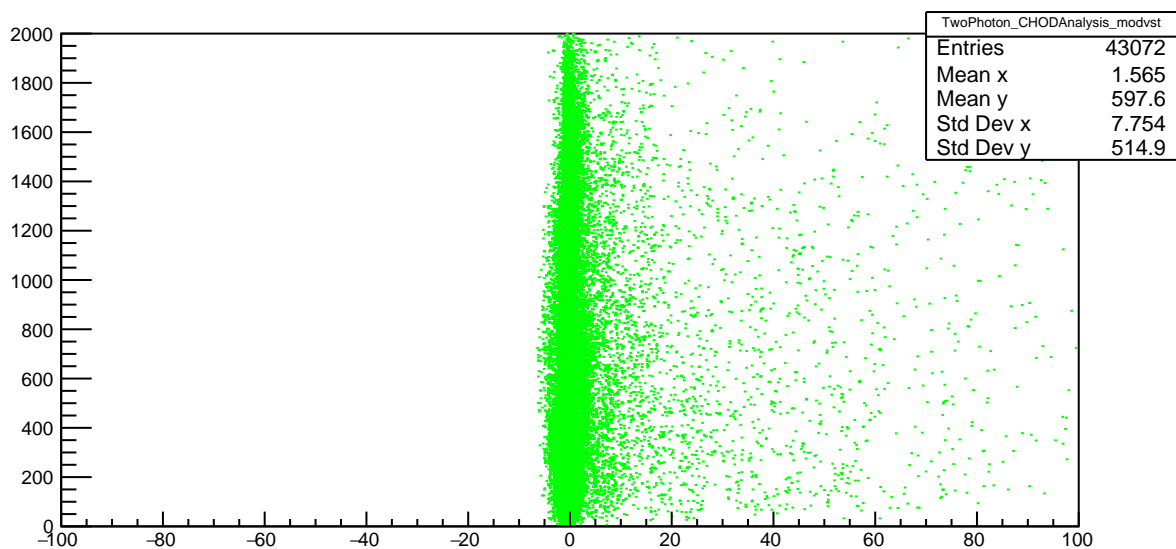
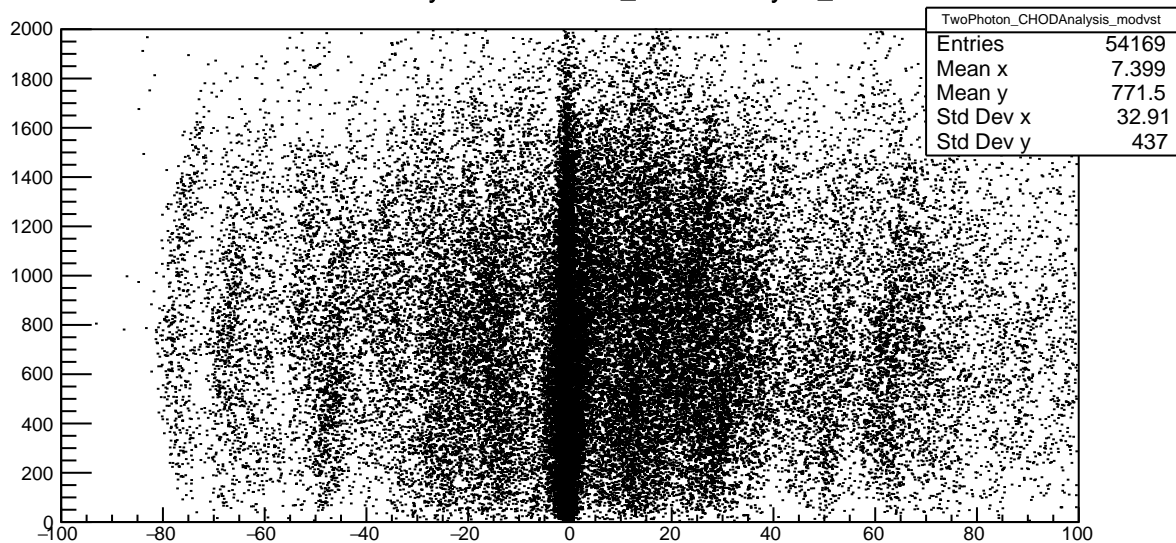
Plot 57 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_dhittime 60



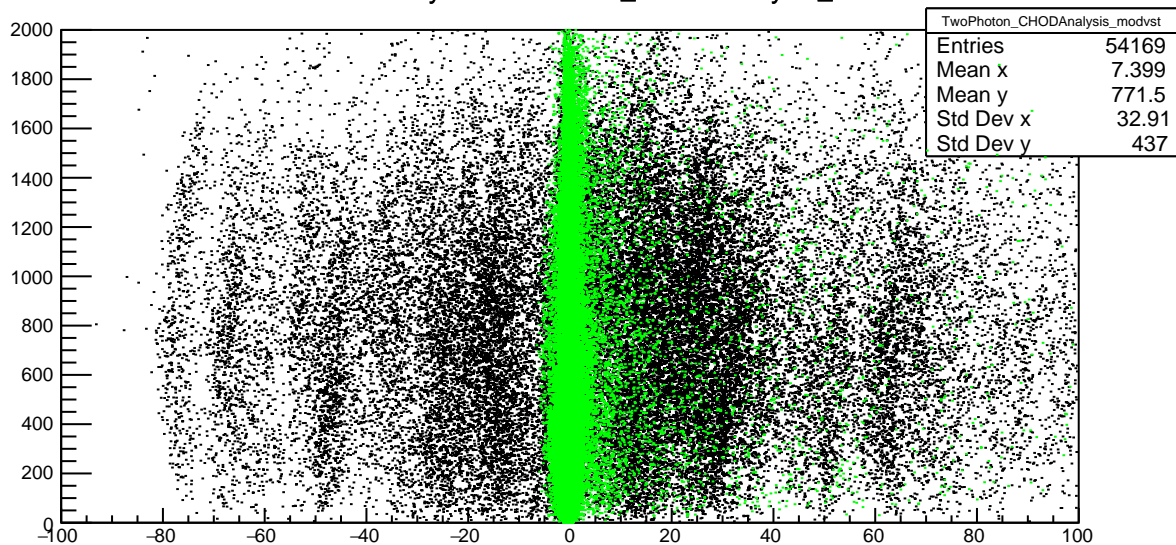
Plot 57 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_dhittime 60



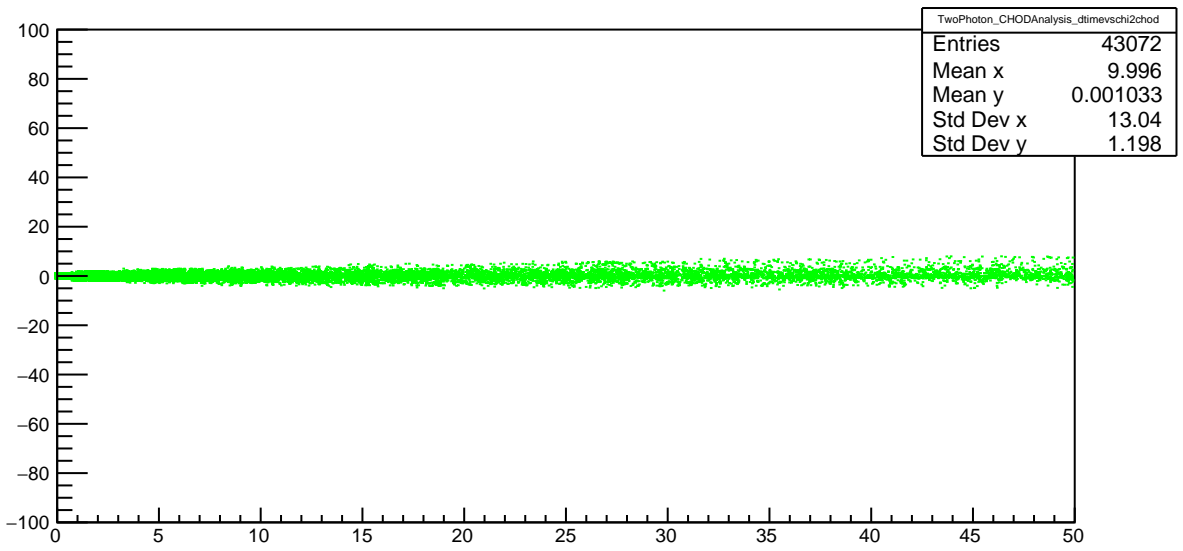
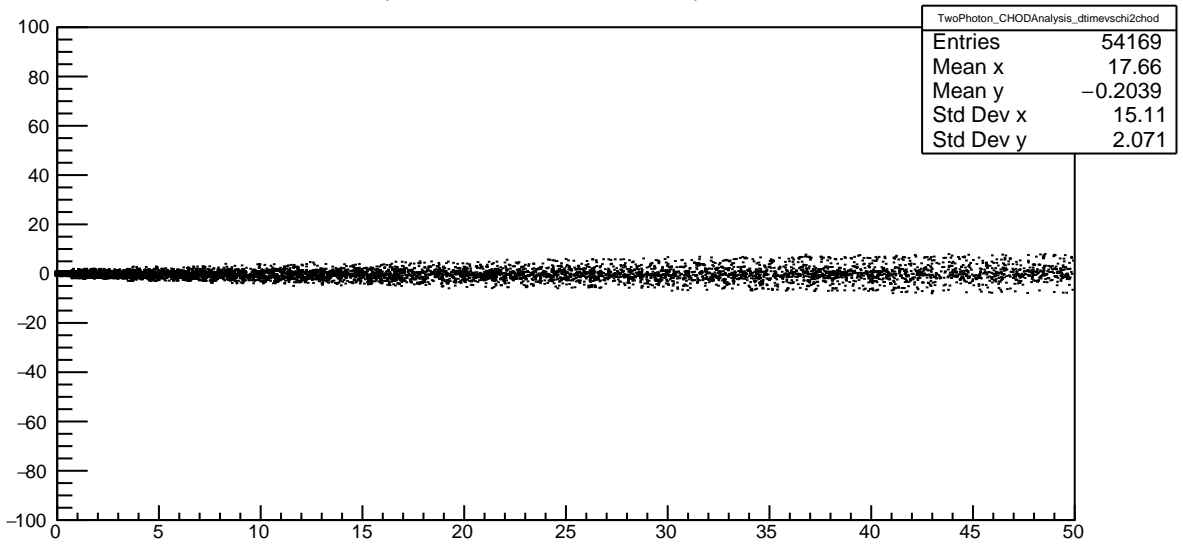
Plot 58 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_modvst 61



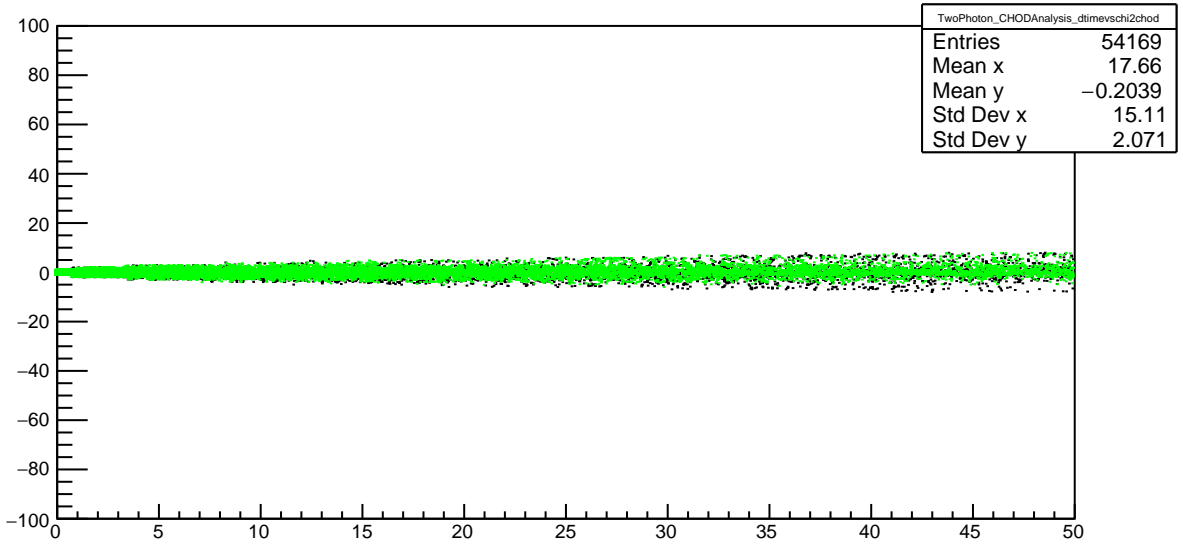
Plot 58 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_modvst 61



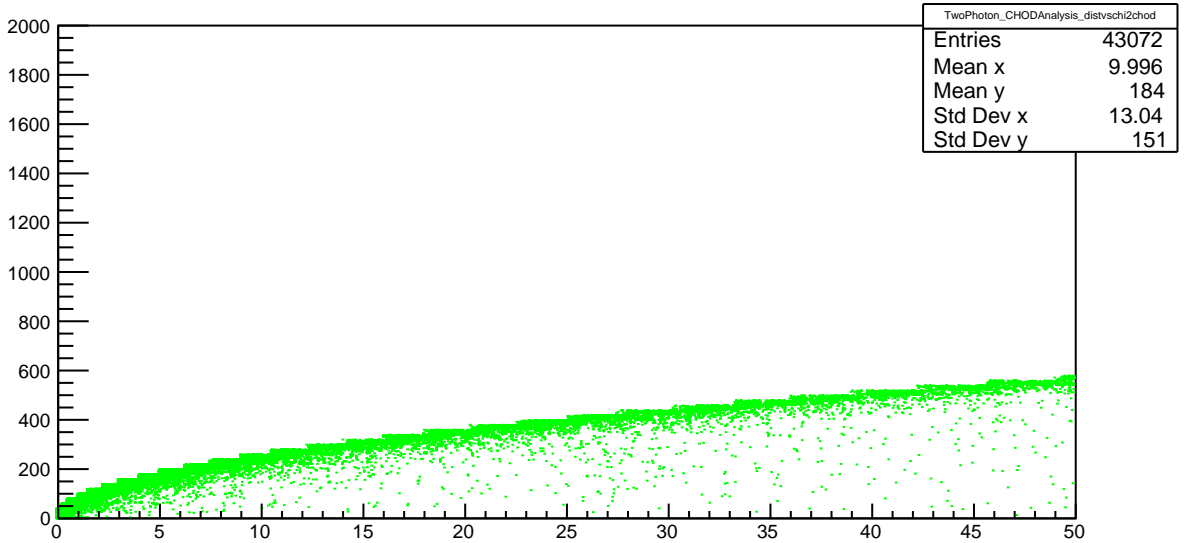
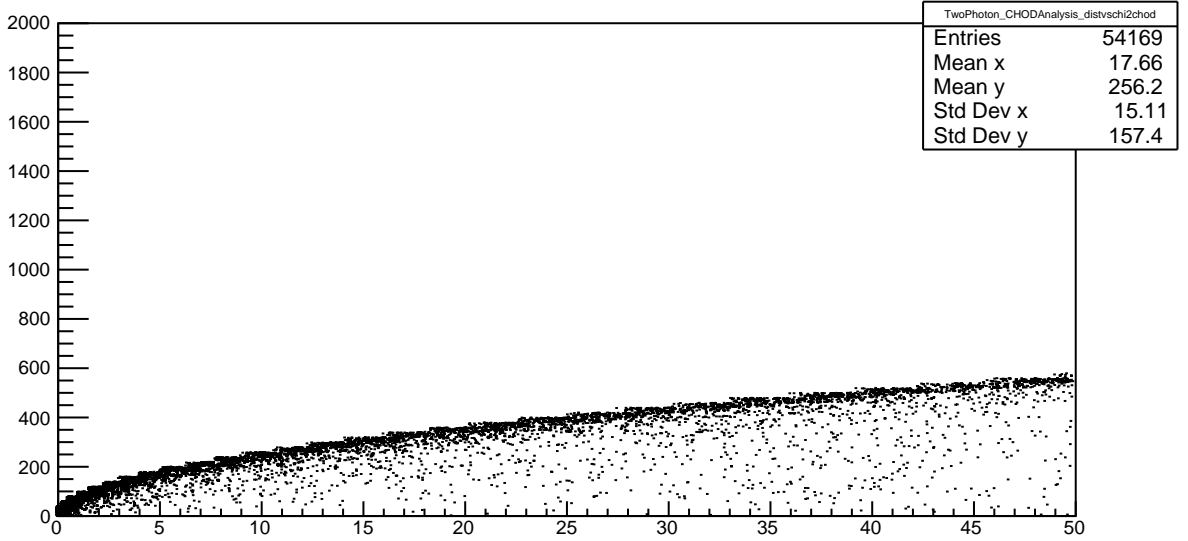
Plot 59 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_dtimevschi2chod 62



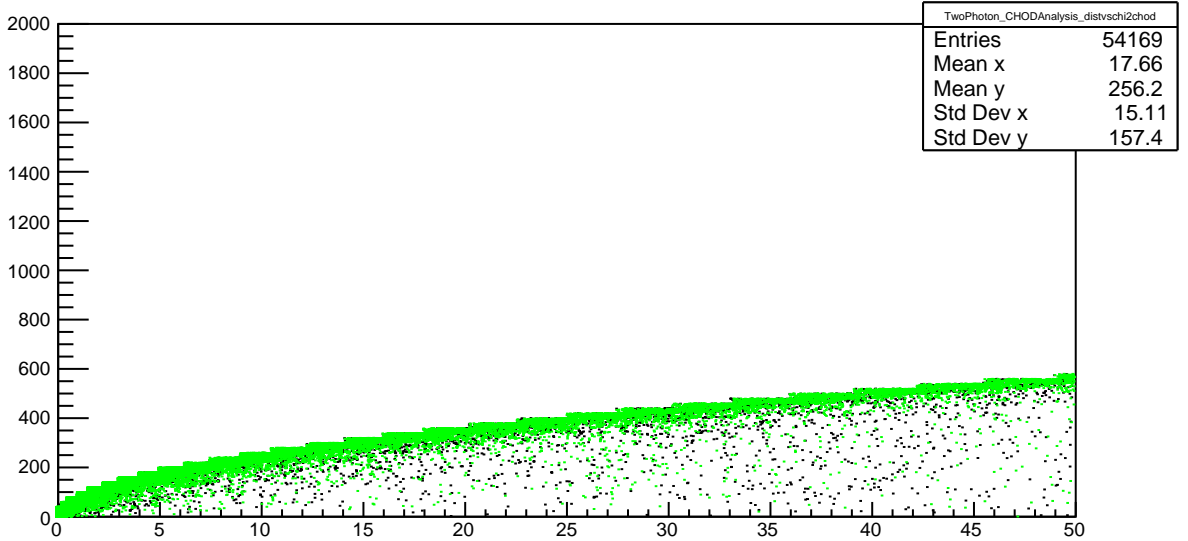
Plot 59 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_dtimevschi2chod 62

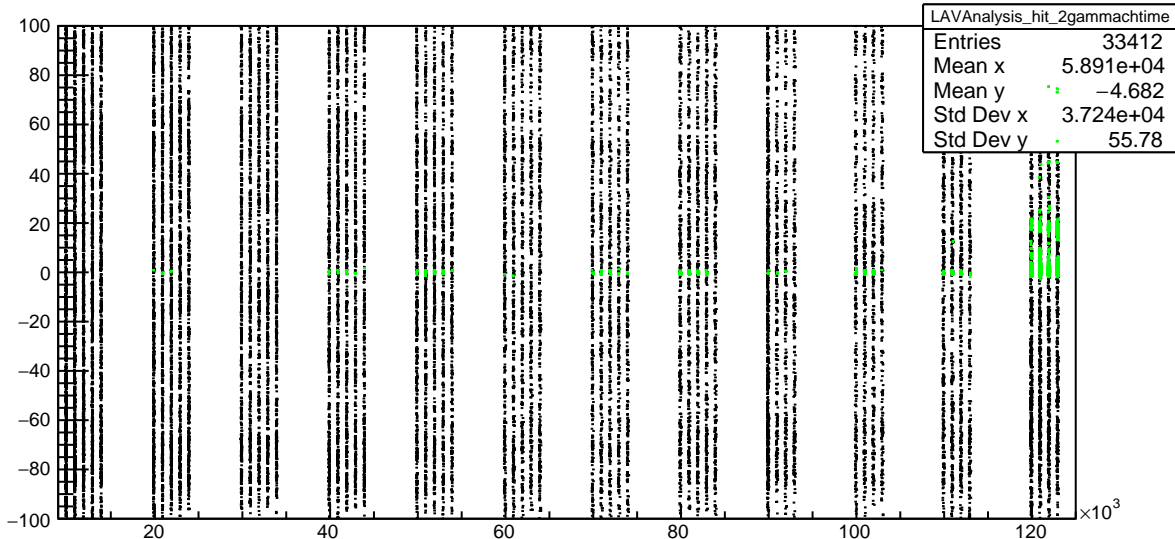
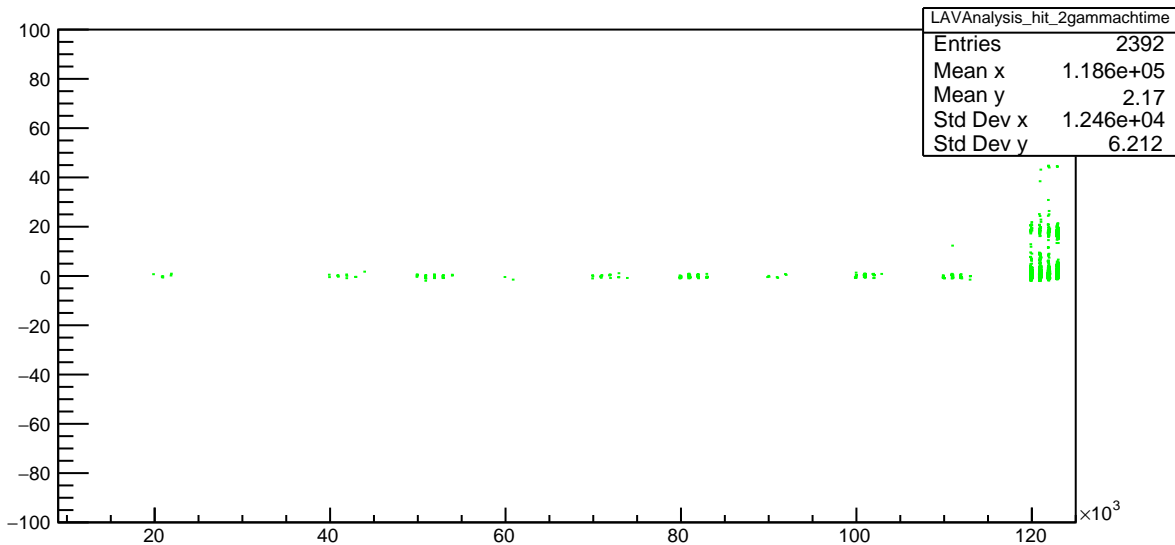
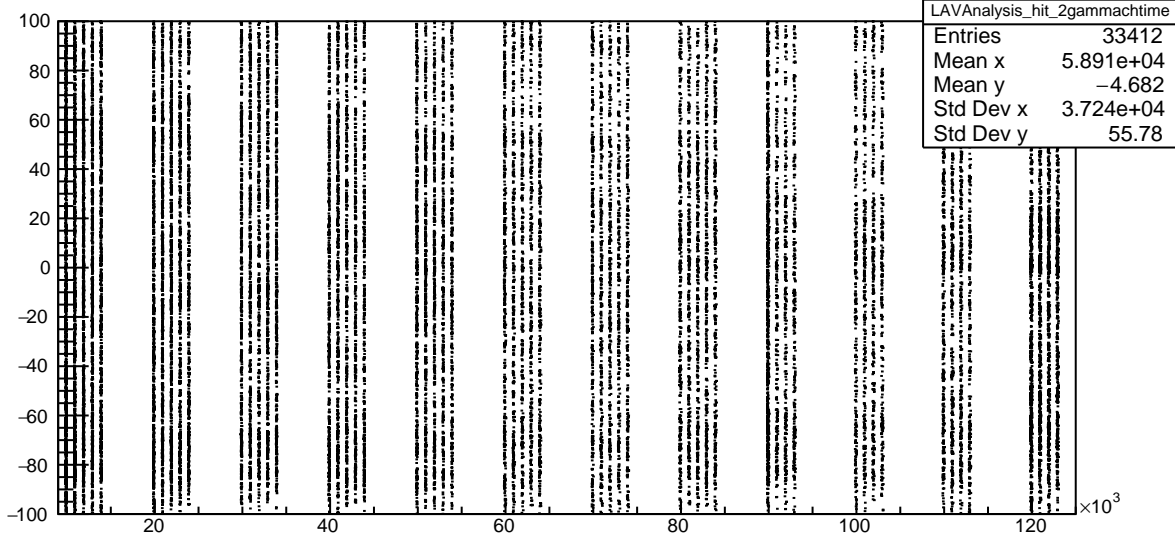


Plot 60 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_distvschi2chod 63



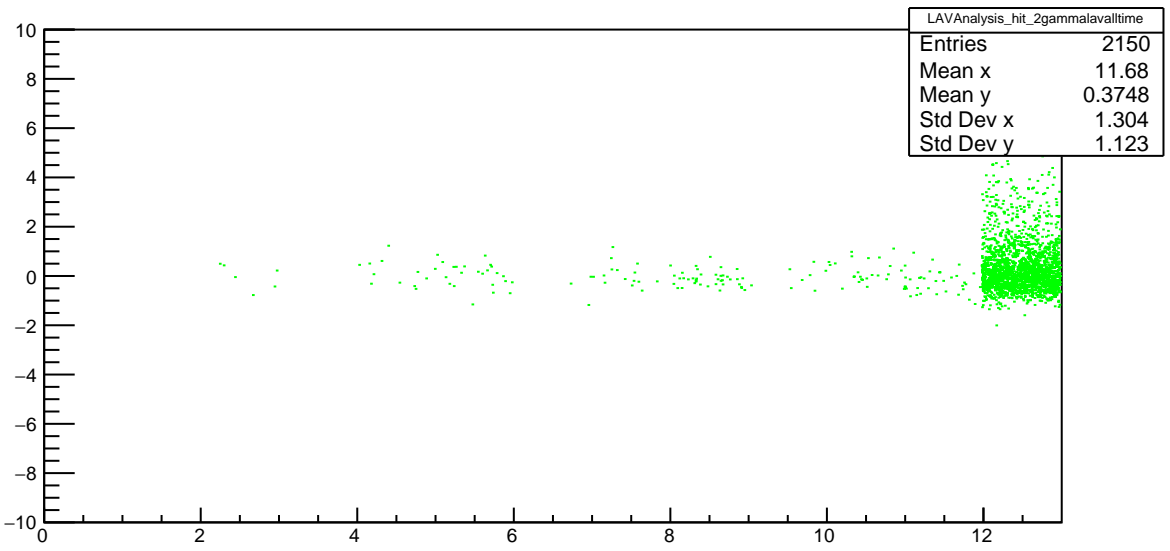
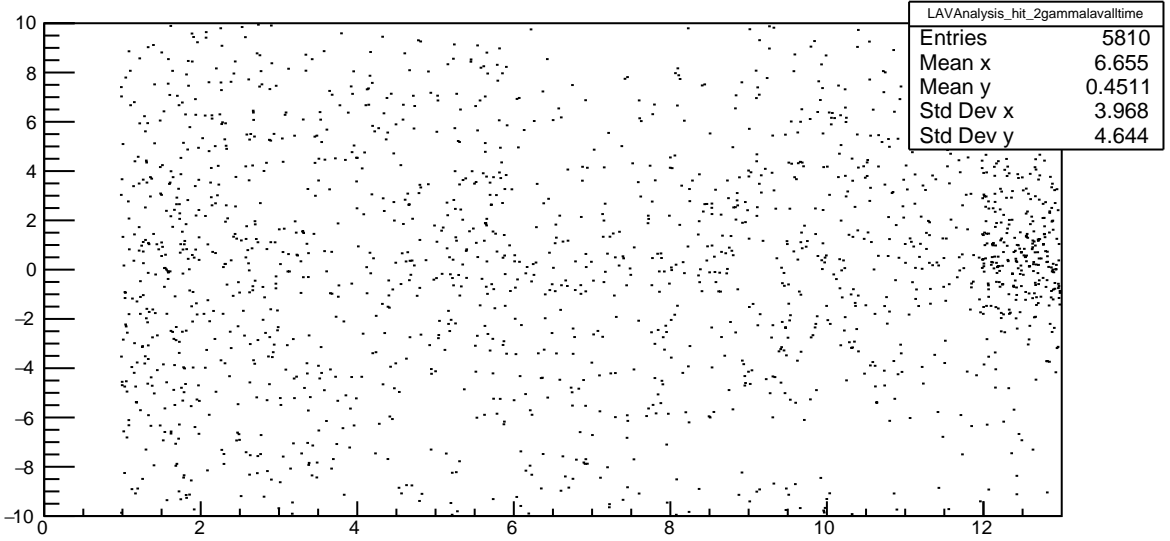
Plot 60 TwoPhotonAnalysis/TwoPhoton_CHODAnalysis_distvschi2chod 63





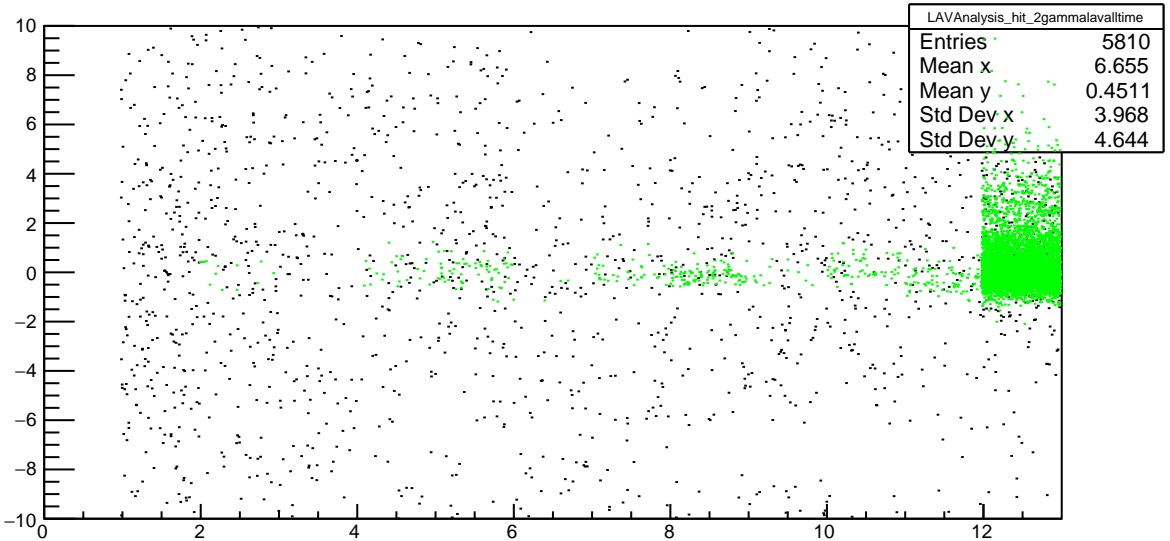
Plot 62 TwoPhotonAnalysis/LAVAnalysis_hit_2gammalavalltime

65

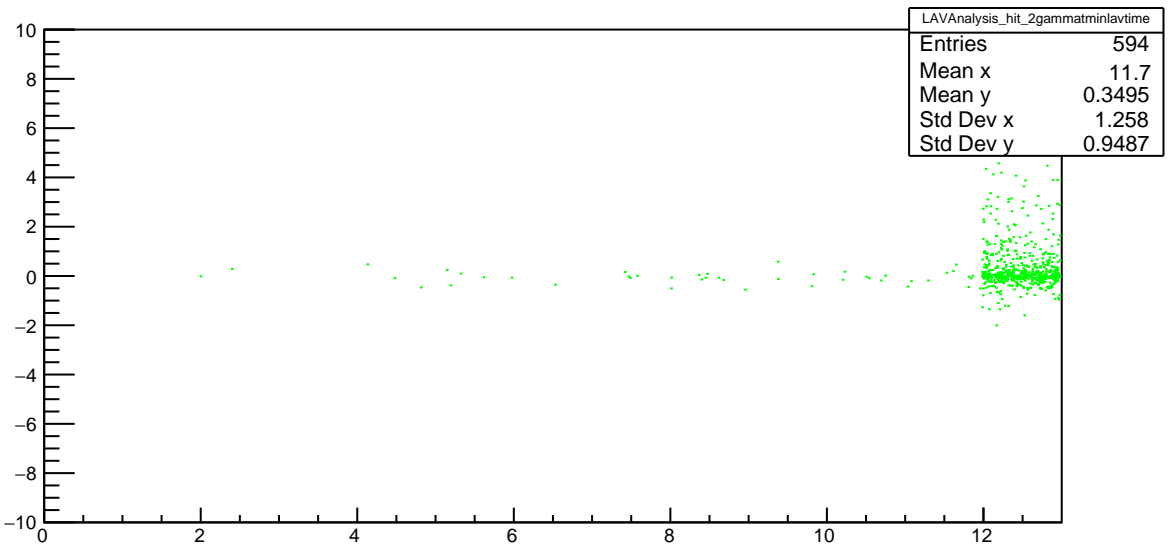
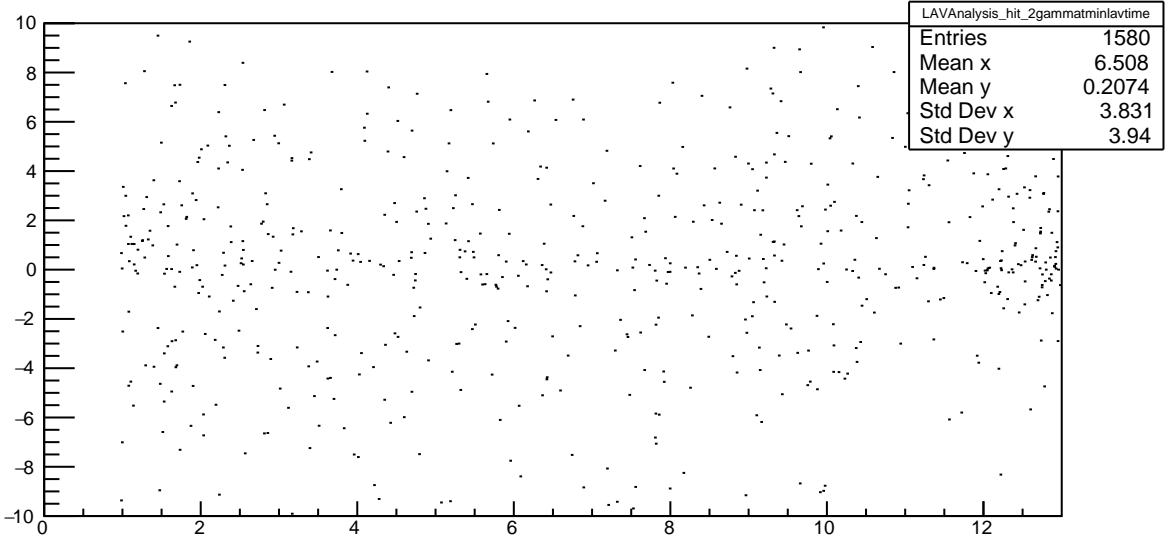


Plot 62 TwoPhotonAnalysis/LAVAnalysis_hit_2gammalavalltime

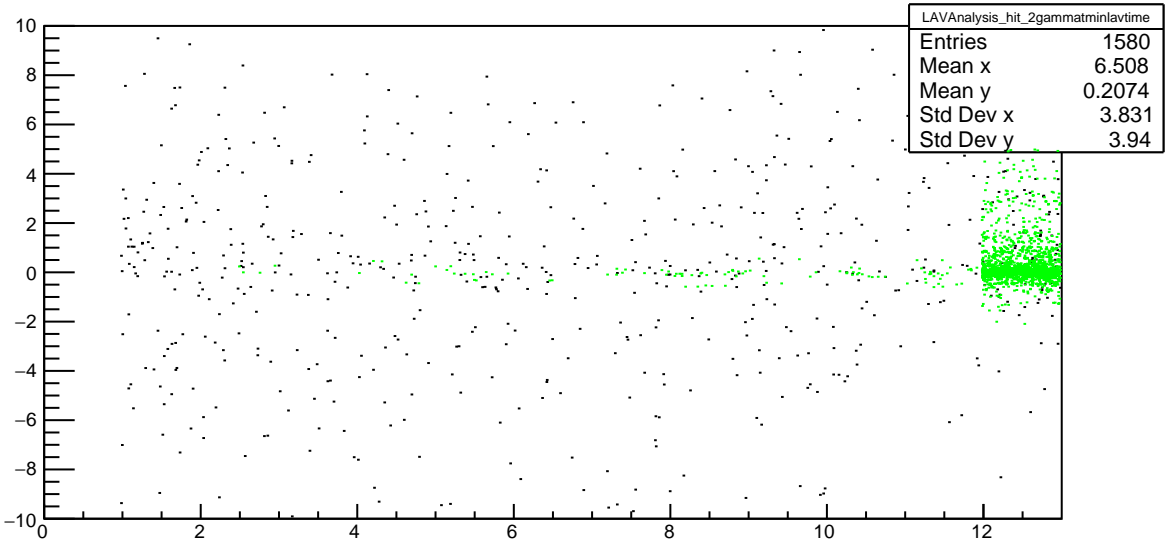
65



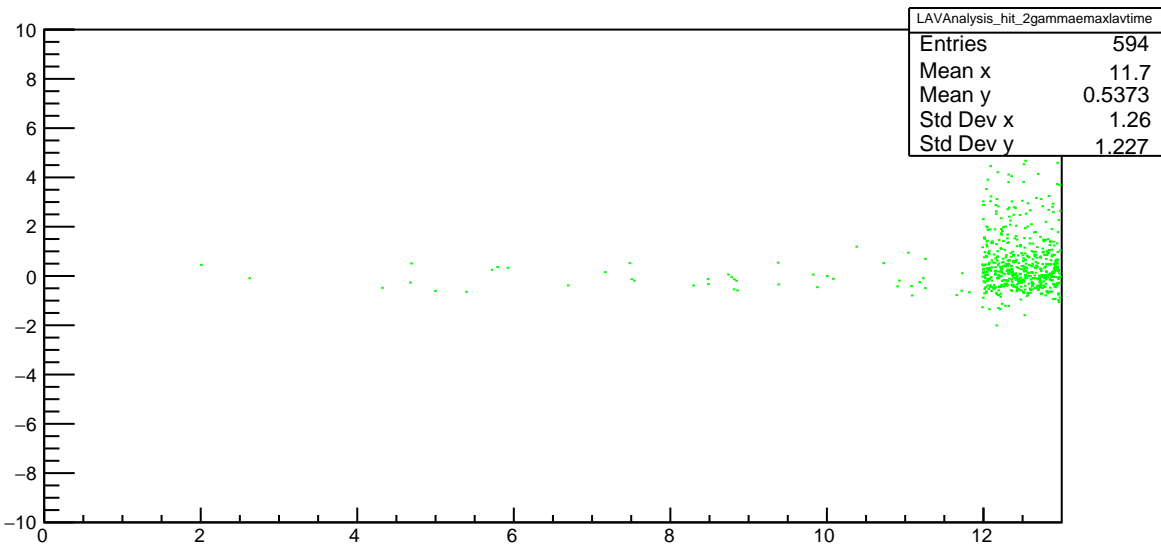
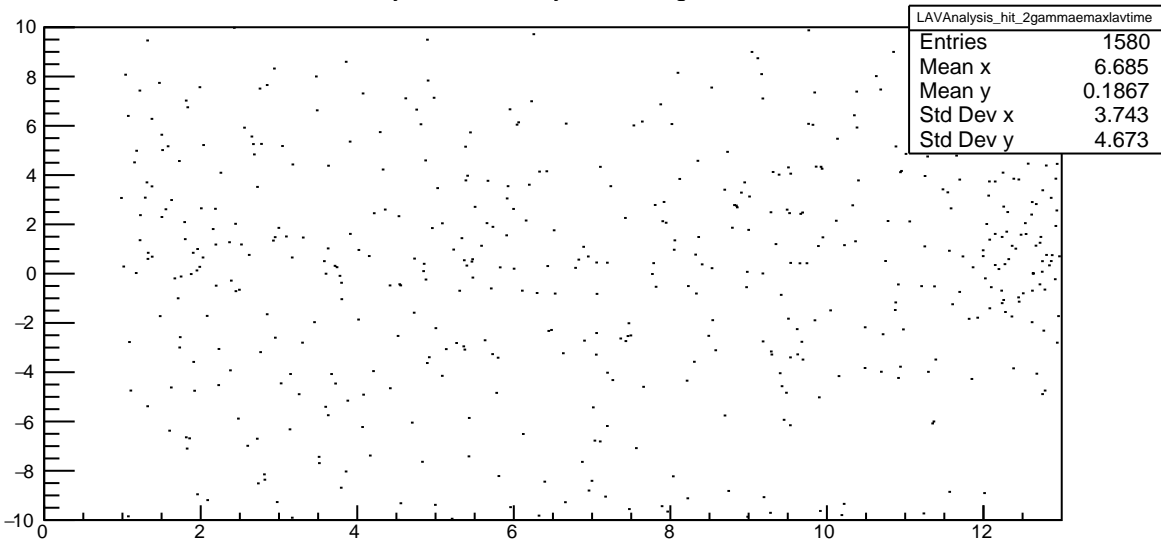
Plot 63 TwoPhotonAnalysis/LAVAnalysis_hit_2gammatminlavtime 66



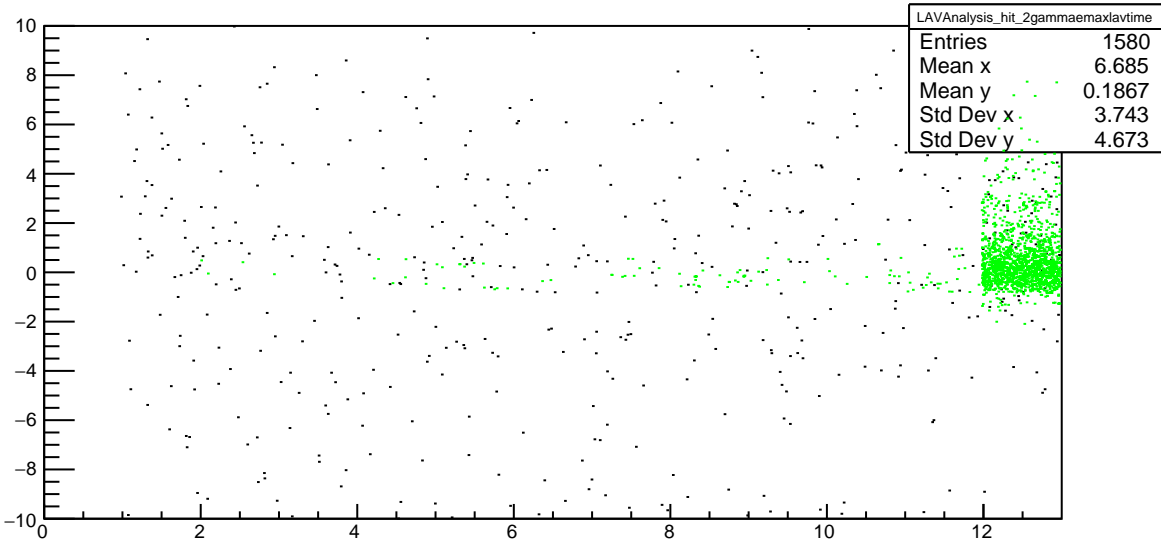
Plot 63 TwoPhotonAnalysis/LAVAnalysis_hit_2gammatminlavtime 66



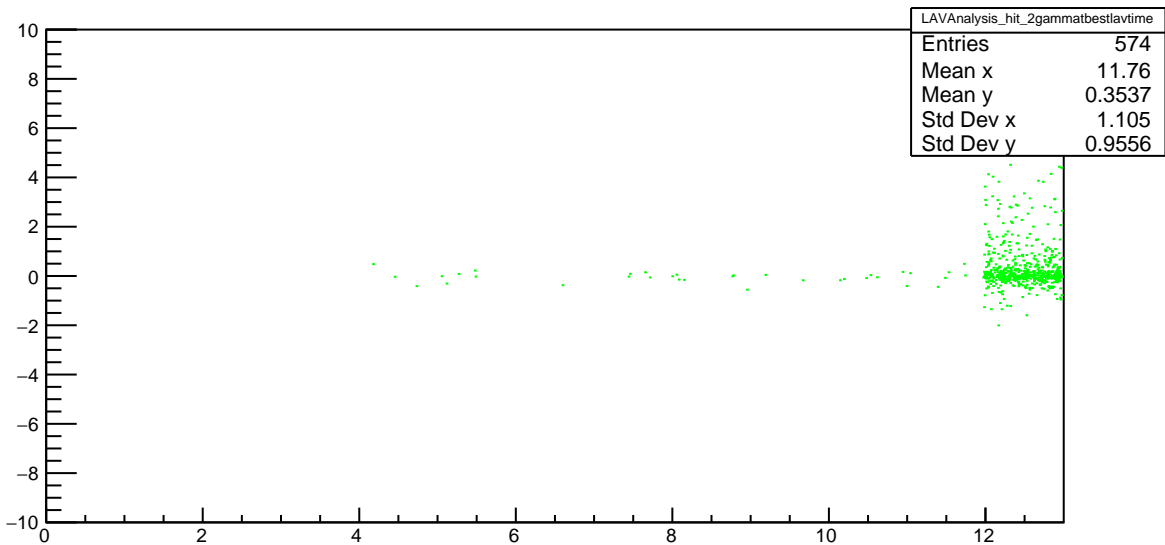
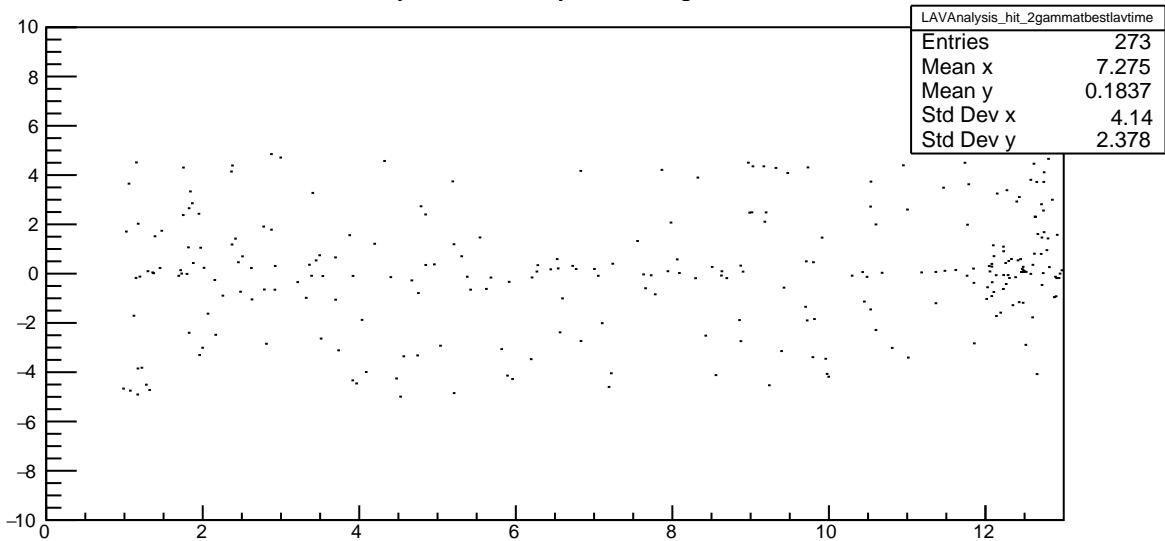
Plot 64 TwoPhotonAnalysis/LAVAnalysis_hit_2gammaemaxlavtime 67



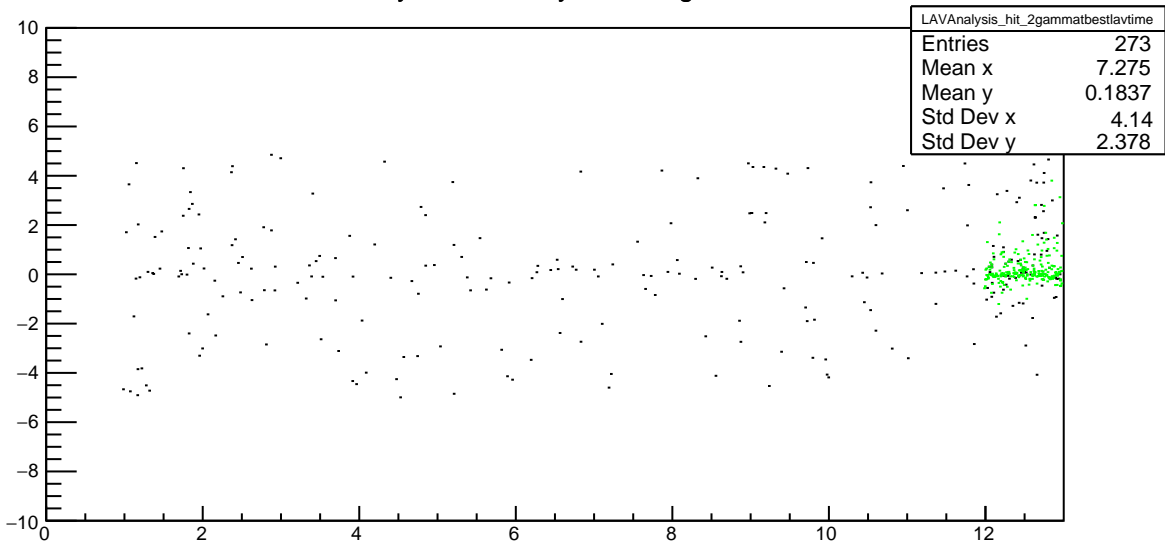
Plot 64 TwoPhotonAnalysis/LAVAnalysis_hit_2gammaemaxlavtime 67



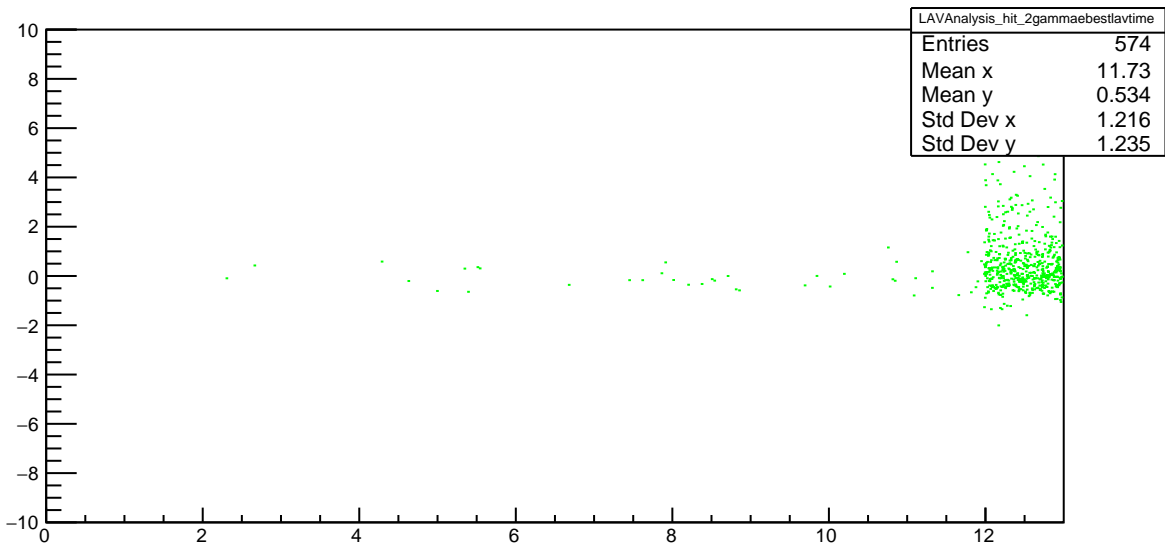
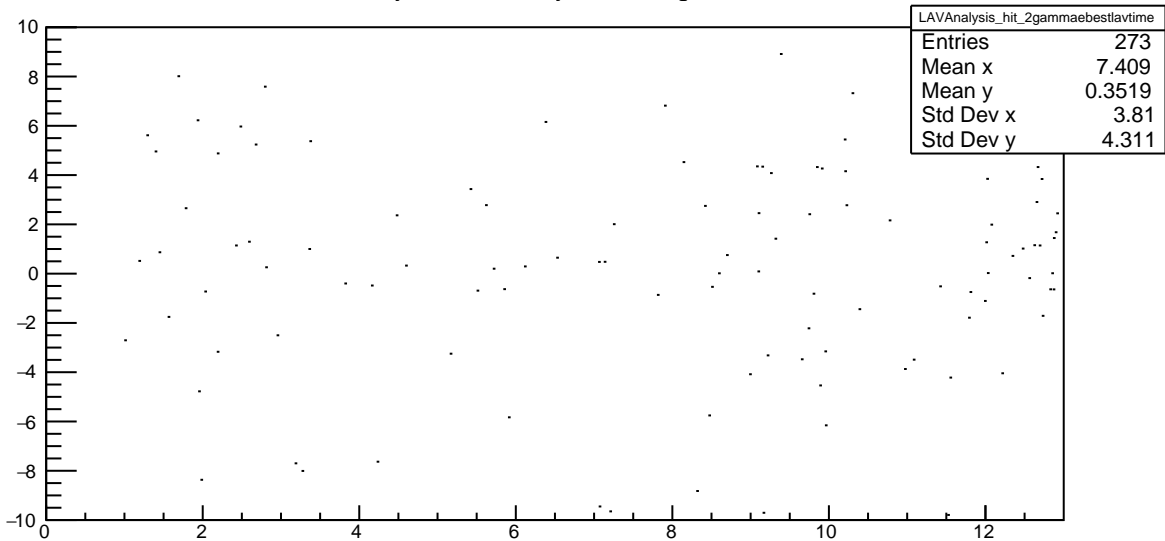
Plot 65 TwoPhotonAnalysis/LAVAnalysis_hit_2gammatbestlavtime 68



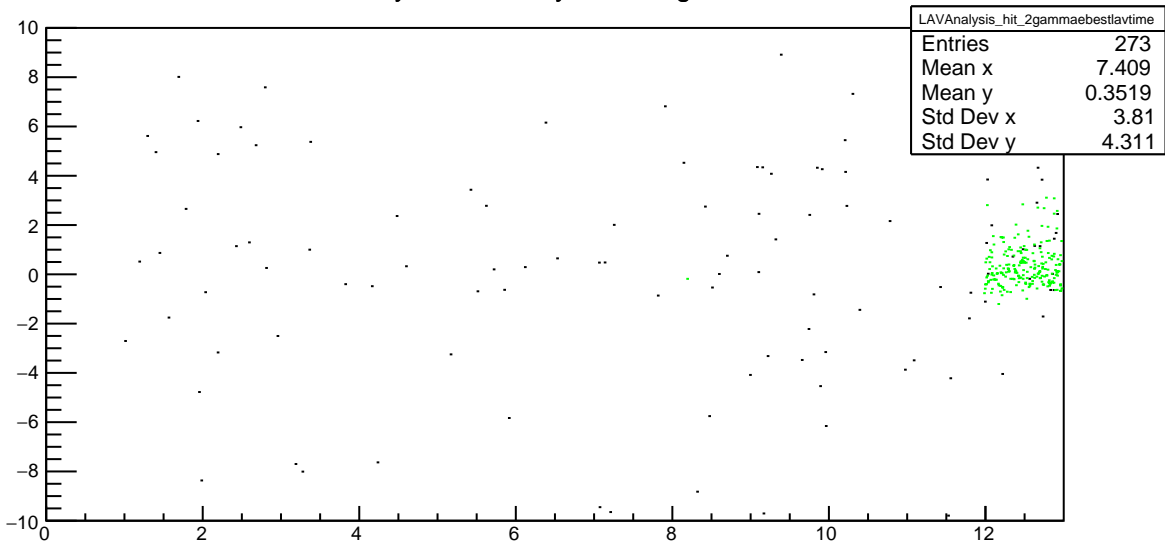
Plot 65 TwoPhotonAnalysis/LAVAnalysis_hit_2gammatbestlavtime 68



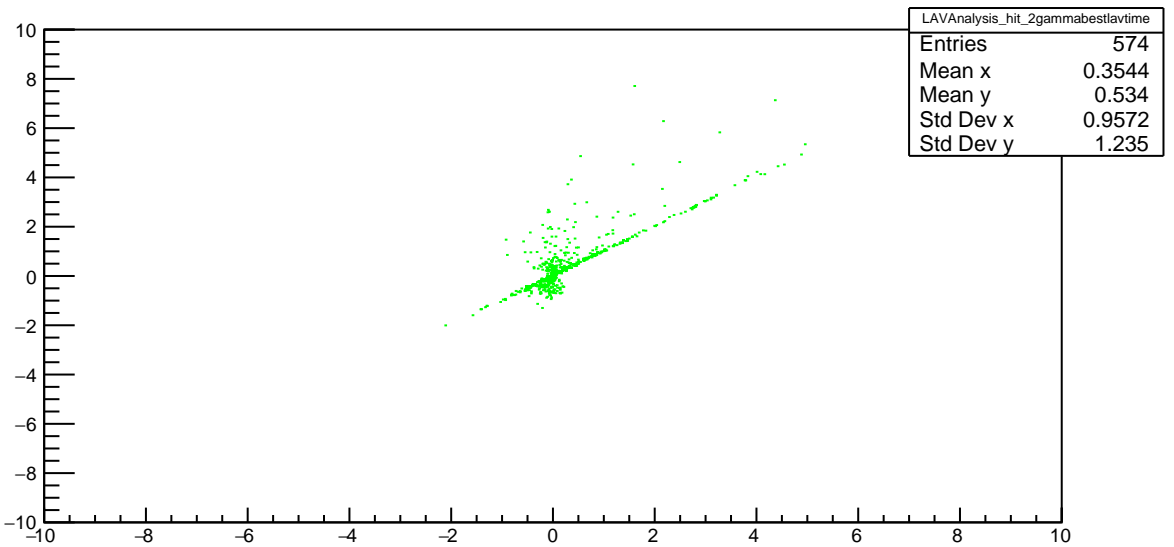
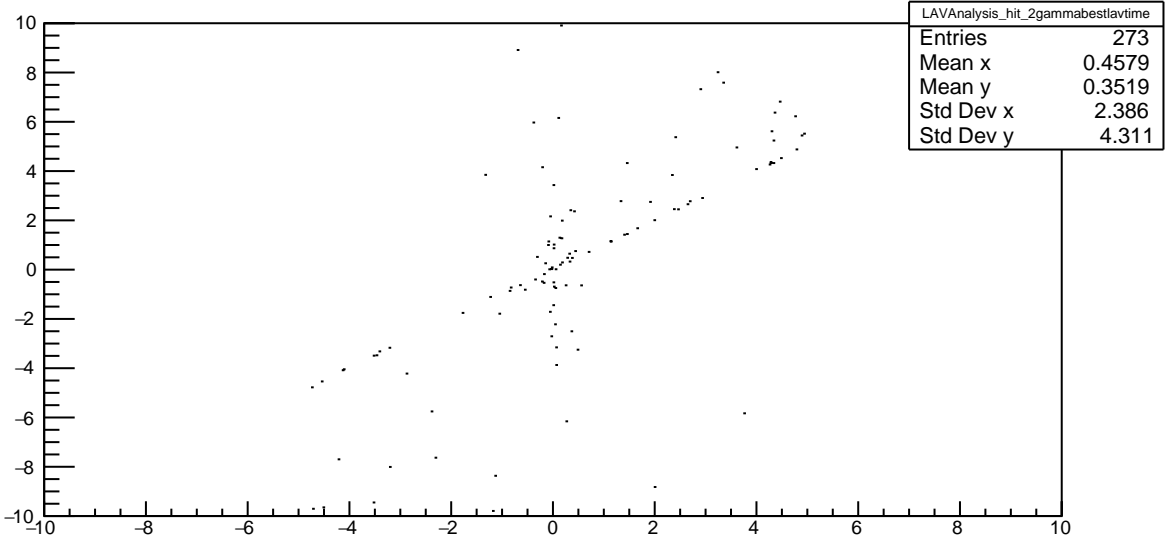
Plot 66 TwoPhotonAnalysis/LAVAnalysis_hit_2gammaebestlavtime 69



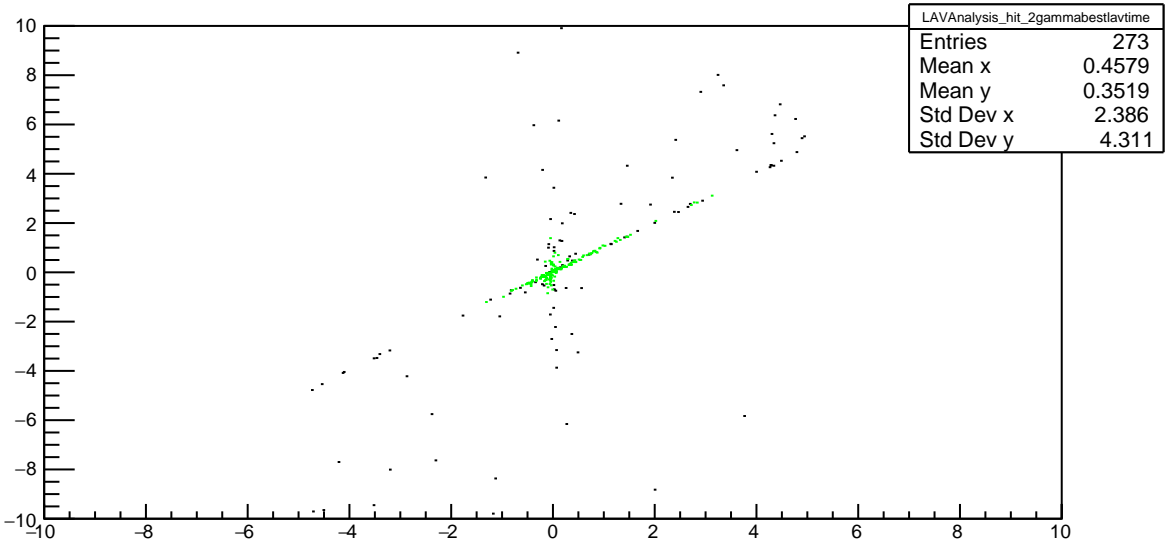
Plot 66 TwoPhotonAnalysis/LAVAnalysis_hit_2gammaebestlavtime 69



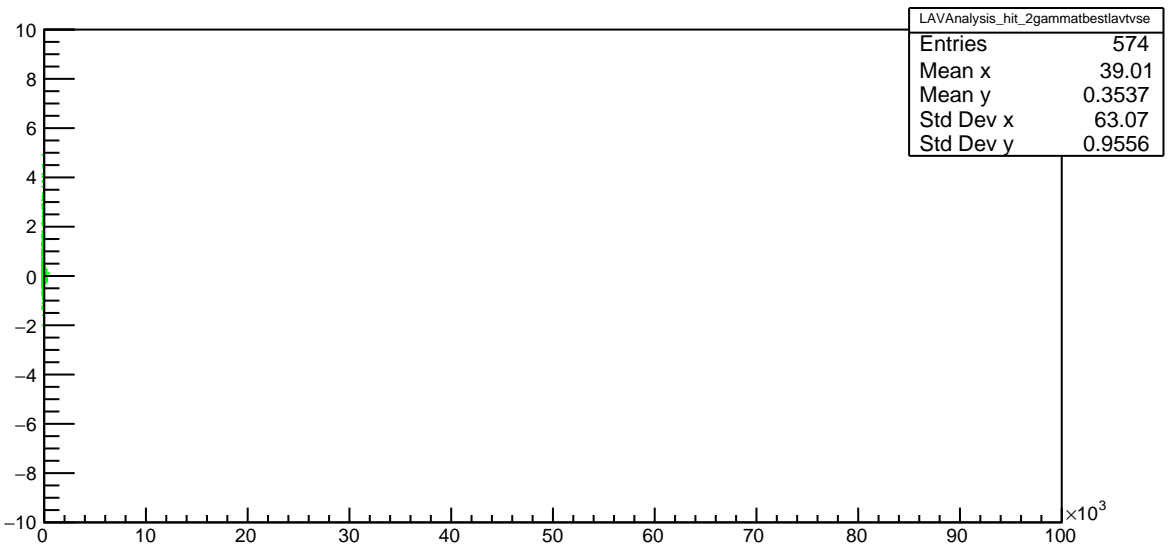
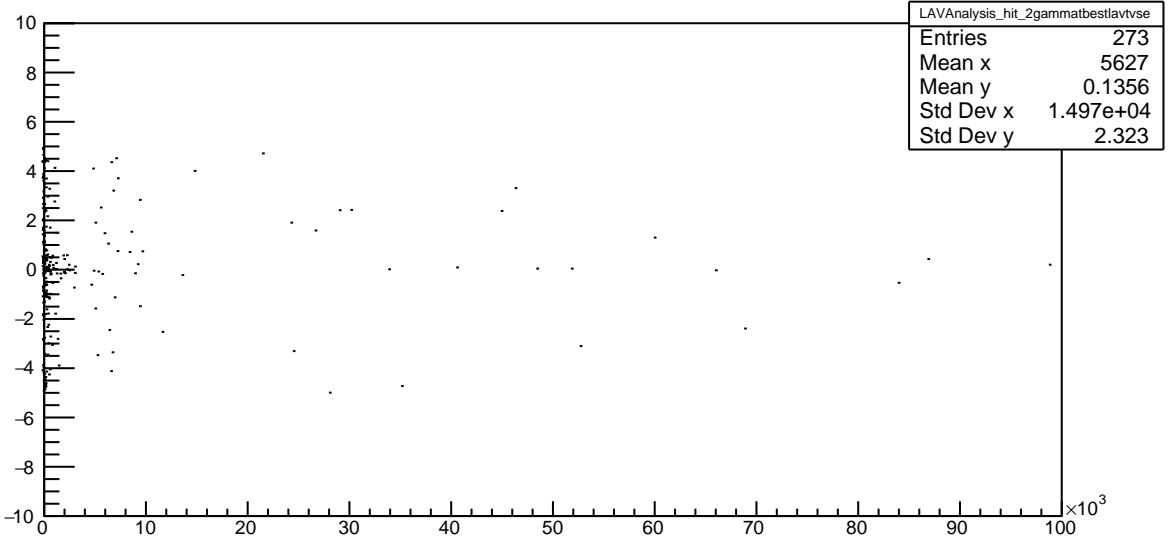
Plot 67 TwoPhotonAnalysis/LAVAnalysis_hit_2gammabestlavtime 70



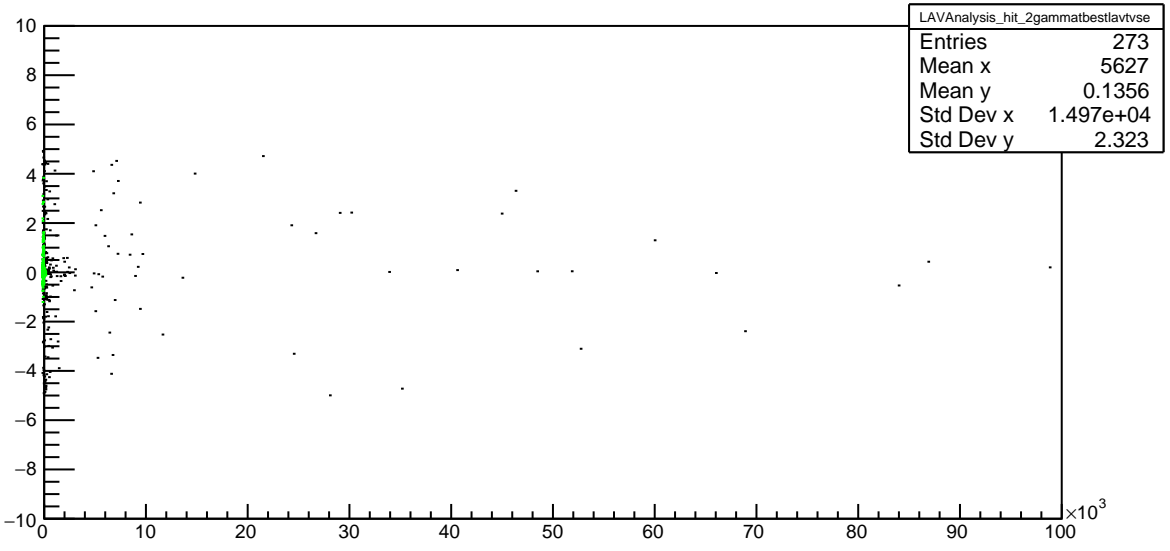
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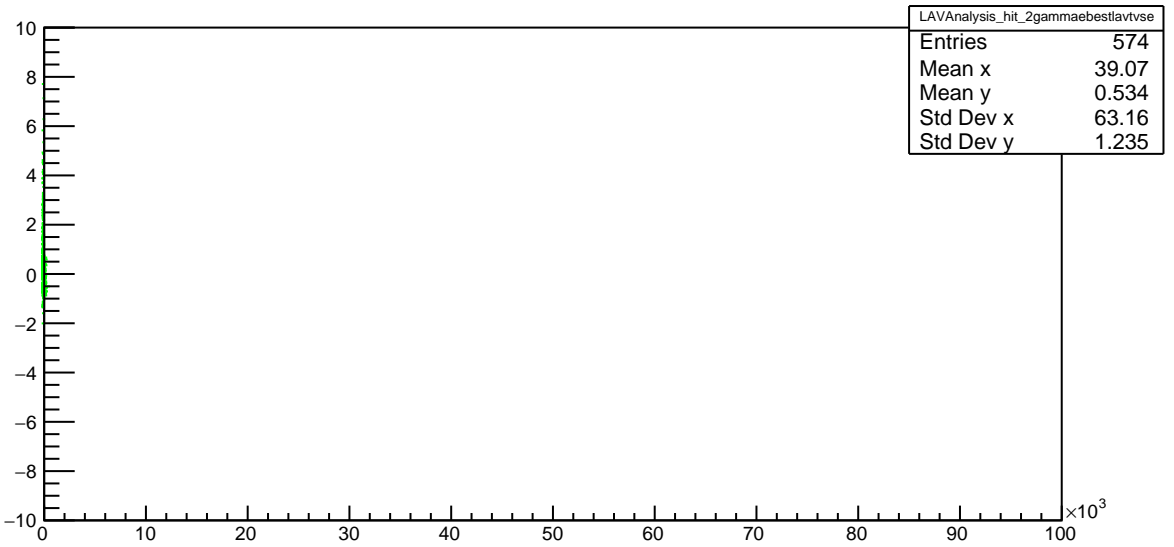
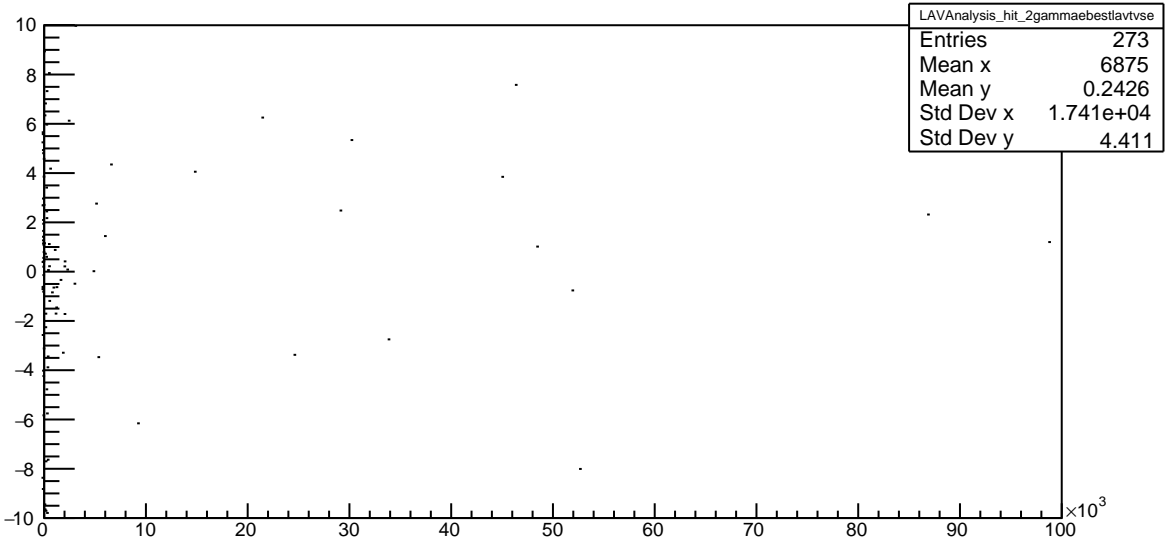
Plot 68 TwoPhotonAnalysis/LAVAnalysis_hit_2gammatbestlvtvse 71



Plot 68 TwoPhotonAnalysis/LAVAnalysis_hit_2gammatbestlvtvse 71



Plot 69 TwoPhotonAnalysis/LAVAnalysis_hit_2gammaebestlvtvse 72



Plot 69 TwoPhotonAnalysis/LAVAnalysis_hit_2gammaebestlvtvse 72

