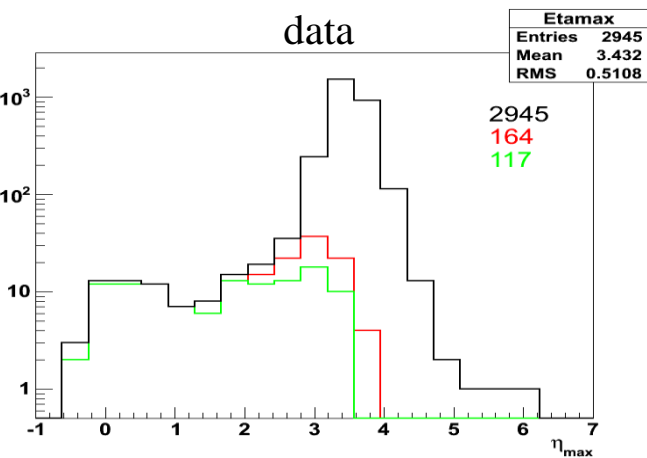
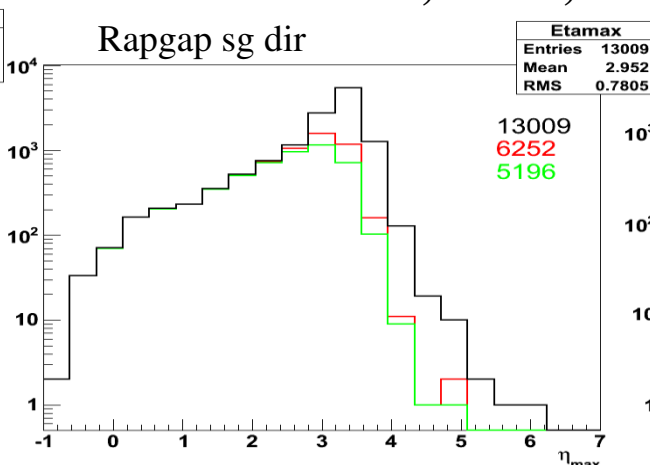


Etamax**no diff cuts, FPC, FPC + Xp**

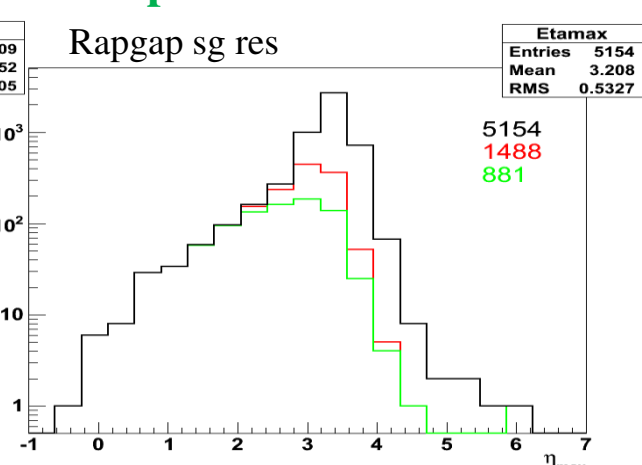
data



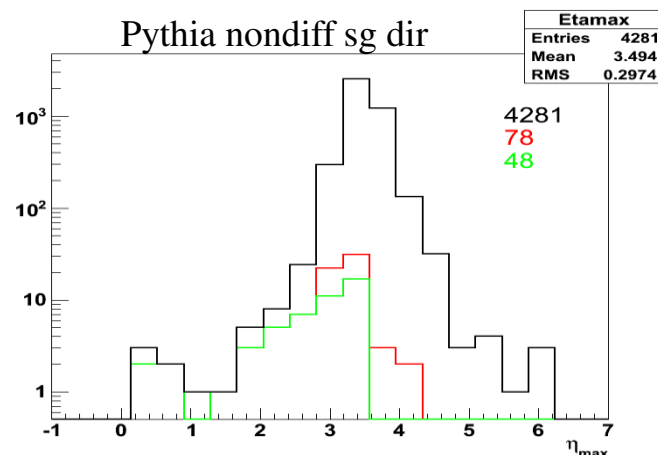
Rapgap sg dir



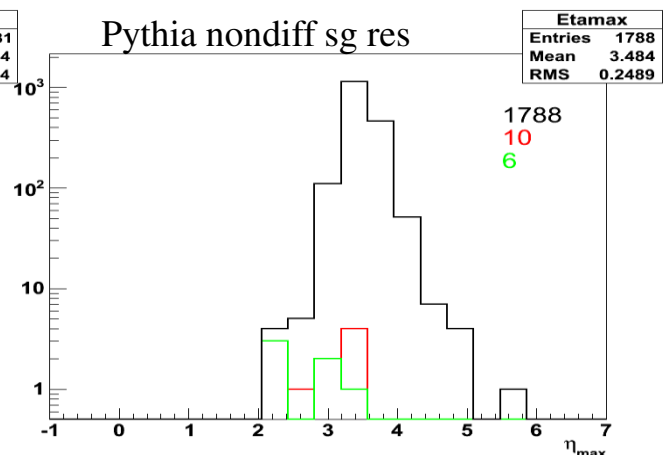
Rapgap sg res



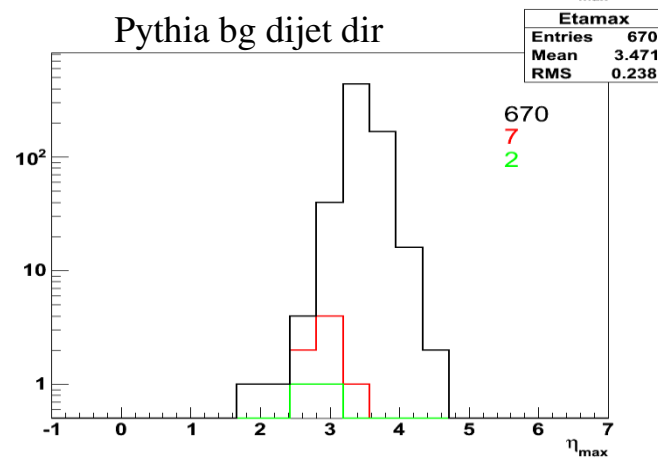
Pythia nondiff sg dir



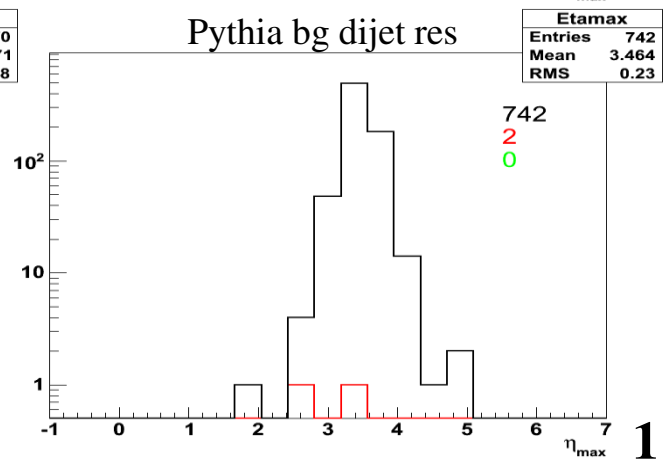
Pythia nondiff sg res



Pythia bg dijet dir



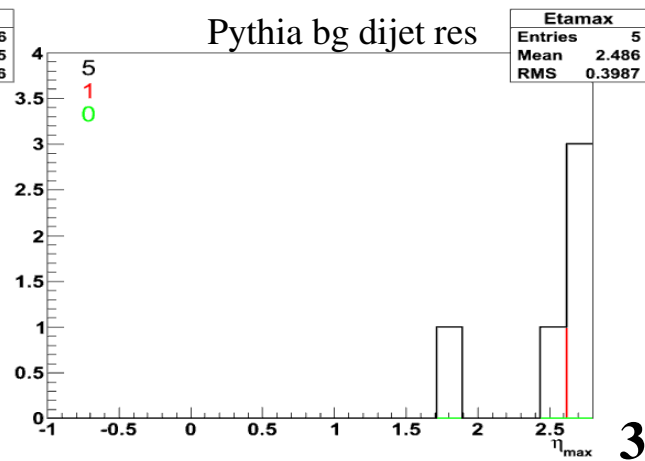
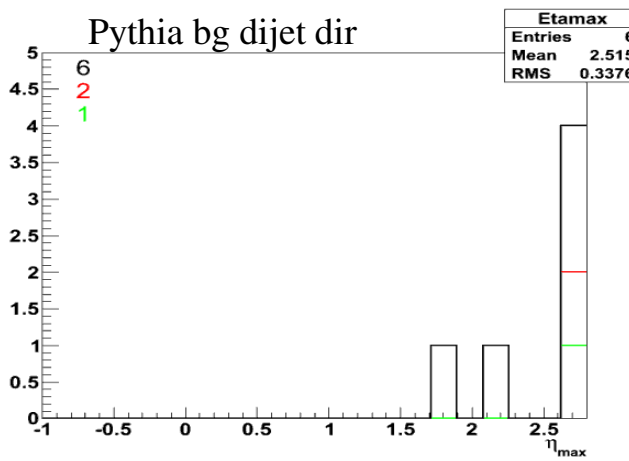
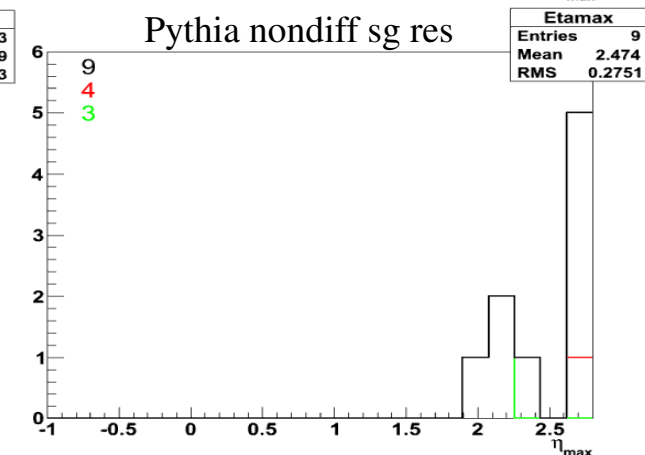
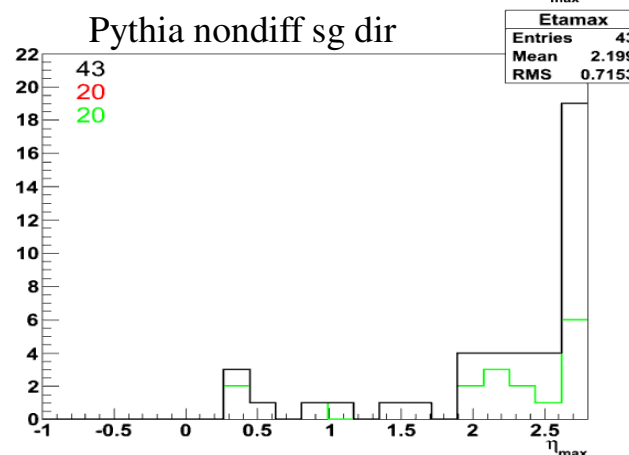
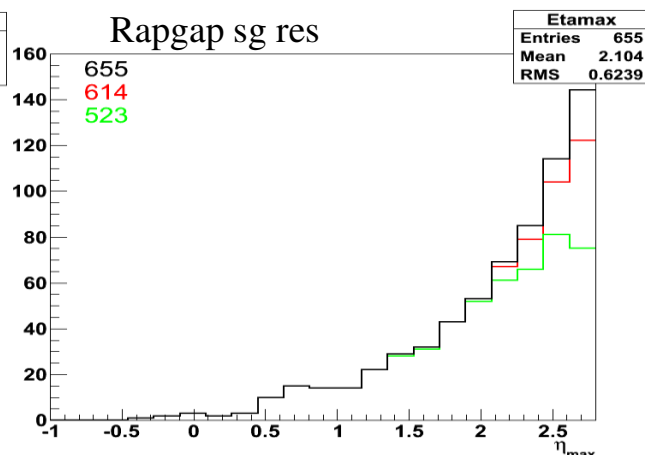
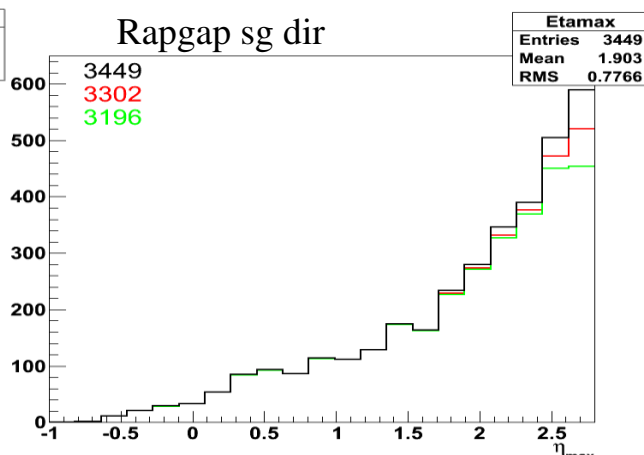
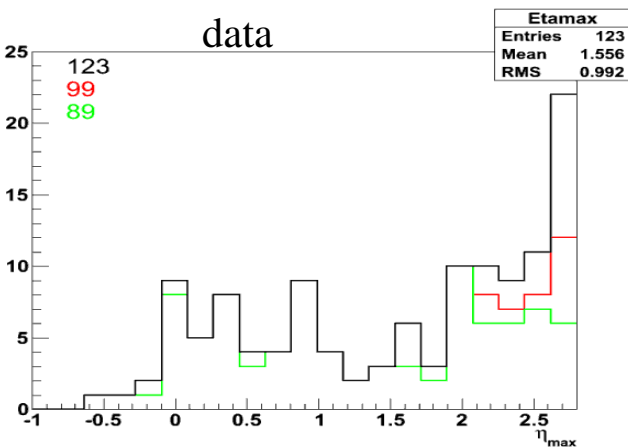
Pythia bg dijet res



etamax < 2.8

Etamax

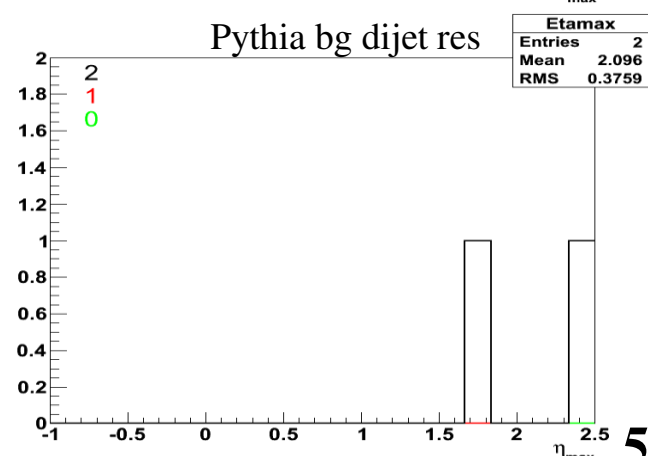
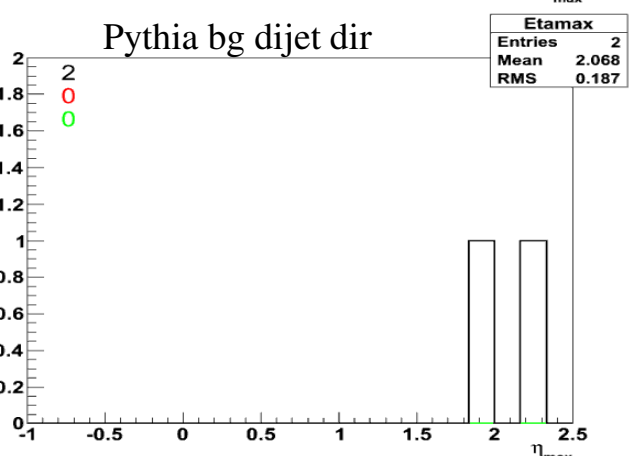
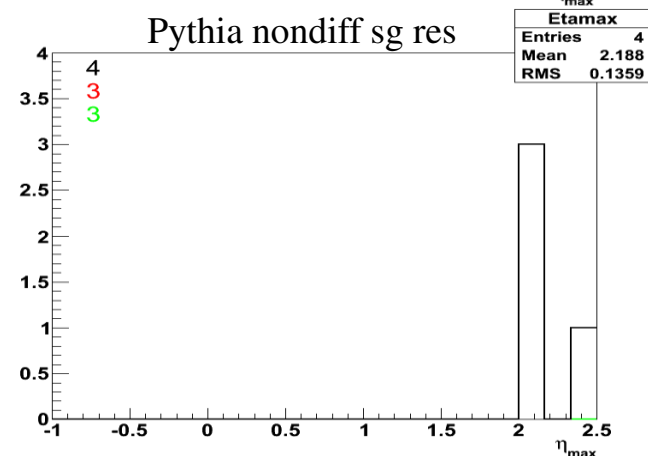
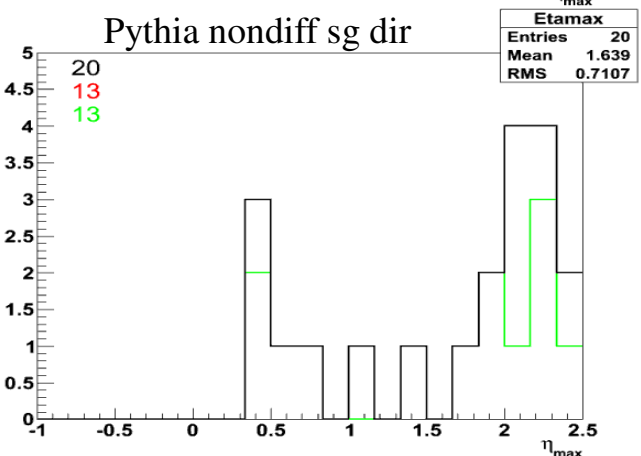
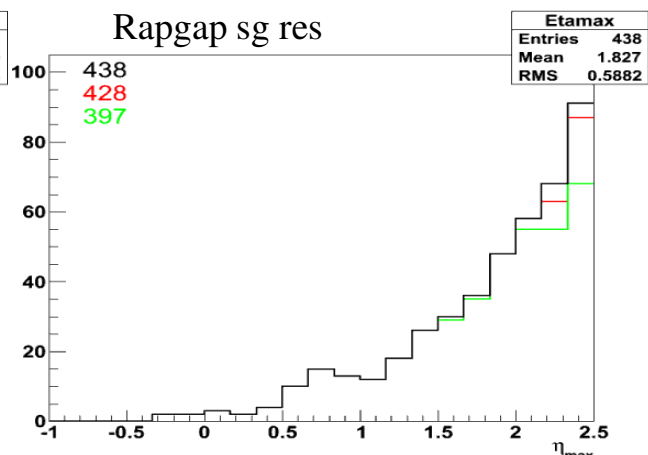
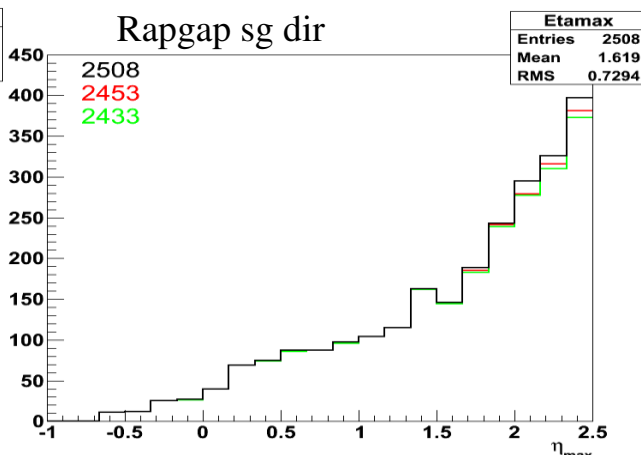
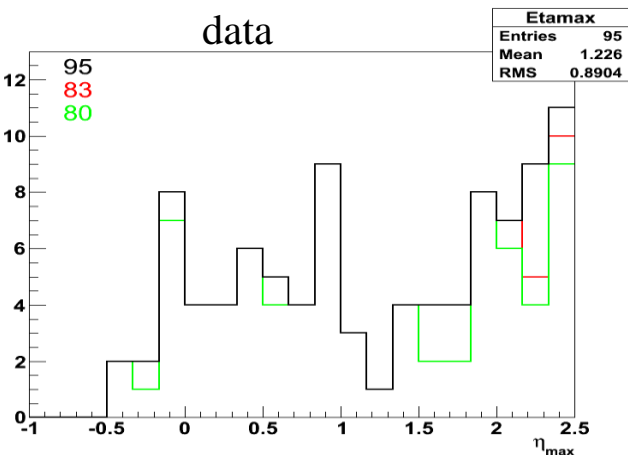
etamax<2.8, **etamax+FPC**, **etamax+FPC+Xp**



etamax < 2.5

Etamax

etamax<2.5, **etamax+FPC**, **etamax+FPC+Xp**



Statistics (6<Et<15 GeV)

	data preselected (212351)	signal Rapgap (direct + resolve) (100000+100000)	nondiff signal Pythia (direct + resolve) (250000+250000)	backgr Pythia giant dijet (direct + resolve) preselected (16770+41697)
no diff	2945	18163 (13009+5154)	6069 (4281+1788)	1412 (670+742)
etamax<2.8	123	4104 (3449+655)	52 (43+9)	11 (6+5)
etamax<2.5	95	2946 (2508+438)	24 (20+4)	4 (2+2)
Fpc	164	7740 (6252+1488)	88 (78+10)	9 (7+2)
Fpc+Xp	117	6077 (5196+881)	54 (48+6)	2 (2+0)
etamax2.8+Fpc	99	3916 (3302+614)	24 (20+4)	3 (2+1)
etamax2.5+Fpc	83	2881 (2453+428)	16 (13 +3)	1 (0+1)
etamax2.8+Fpc+Xp	89	3719 (3196+523)	23 (20+3)	1 (1+0)
etamax2.5+Fpc+Xp	80	2830 (2433+397)	26 (13+3)	0 (0+0)

etamax<2.8

Data: FPC cut has ~20% effect when applied in addition to etamax cut

Rapgap sg dir: ~4%

Rapgap sg res: ~6%

Pythia nondiff sg dir: ~53%

Pythia nondiff sg res: ~56%

Pythia giant dijet bg dir: ~77%

Pythia giant dijet bg res: ~80%

etamax<2.5

Data: FPC cut has ~13% effect when applied in addition to etamax cut

Rapgap sg dir: ~2%

Rapgap sg res: ~2%

Pythia nondiff sg dir: ~35%

Pythia nondiff sg res: ~25%

Pythia giant dijet bg dir: ---

Pythia giant dijet bg res: ~50%