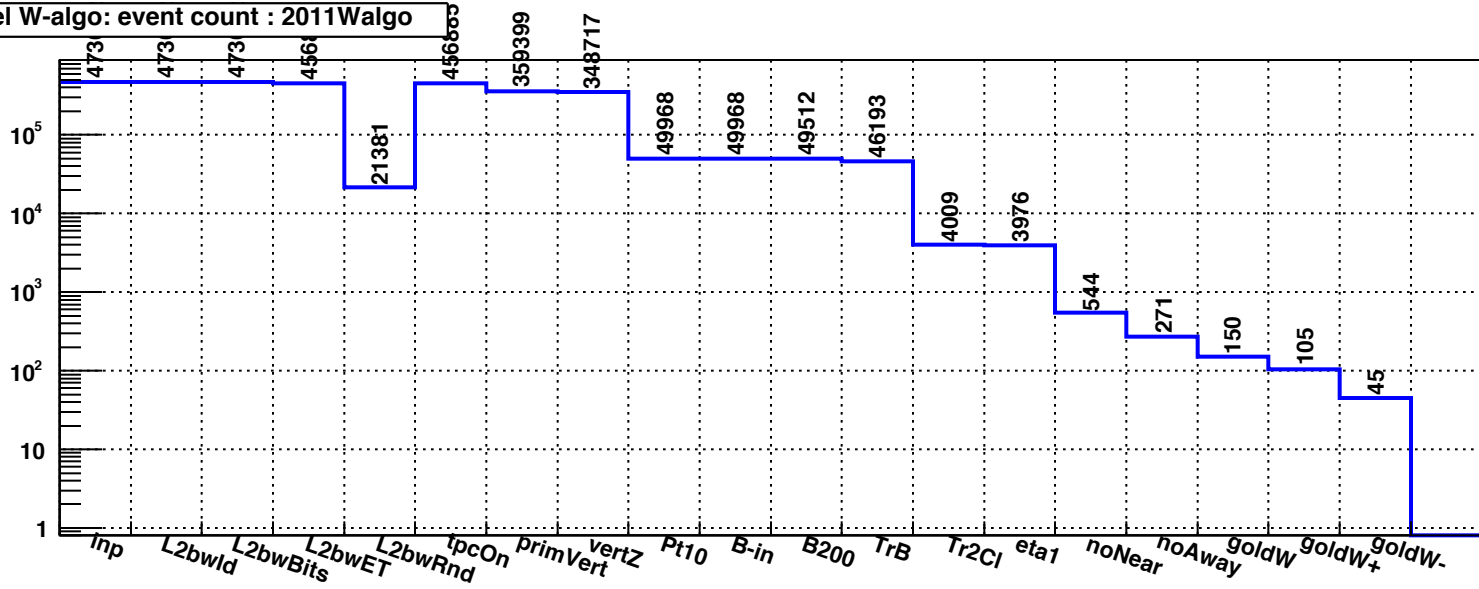
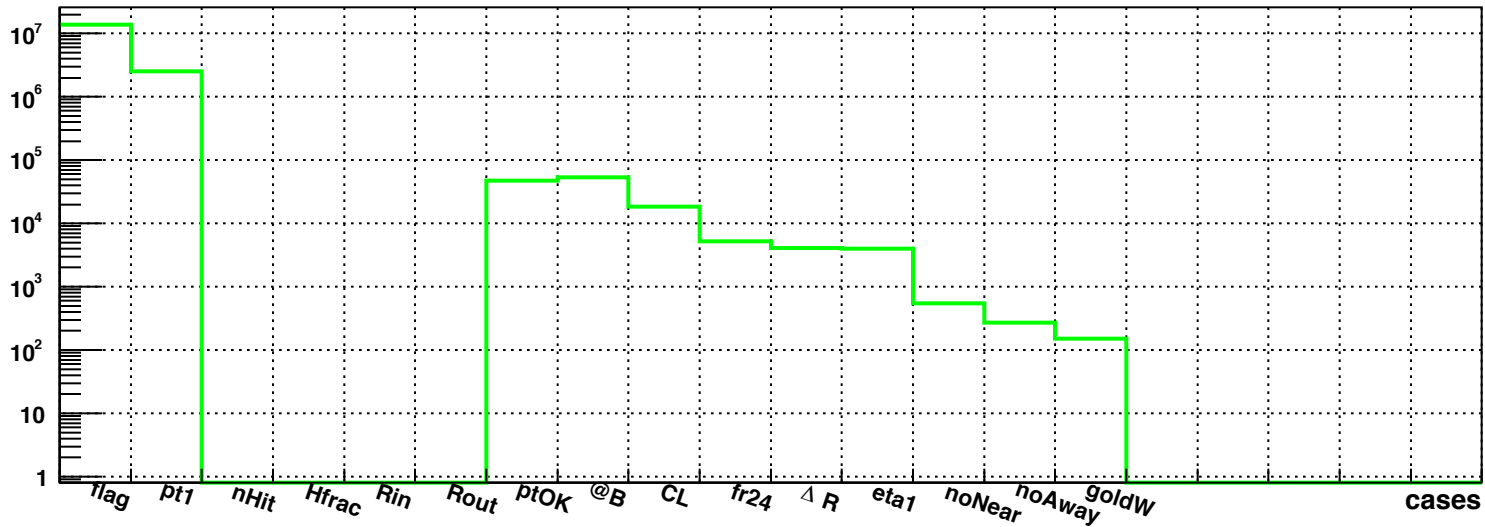


Barrel W-algo: event count : 2011Walgo

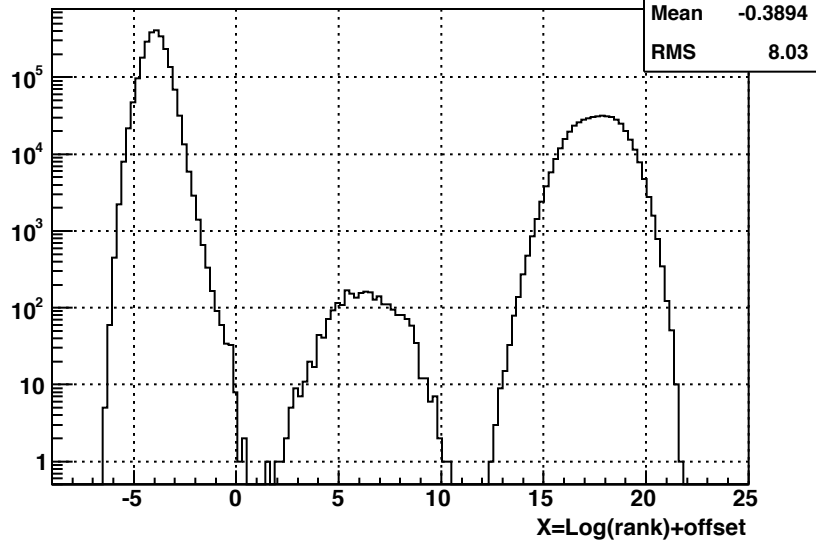


Barrel W-algo: track count

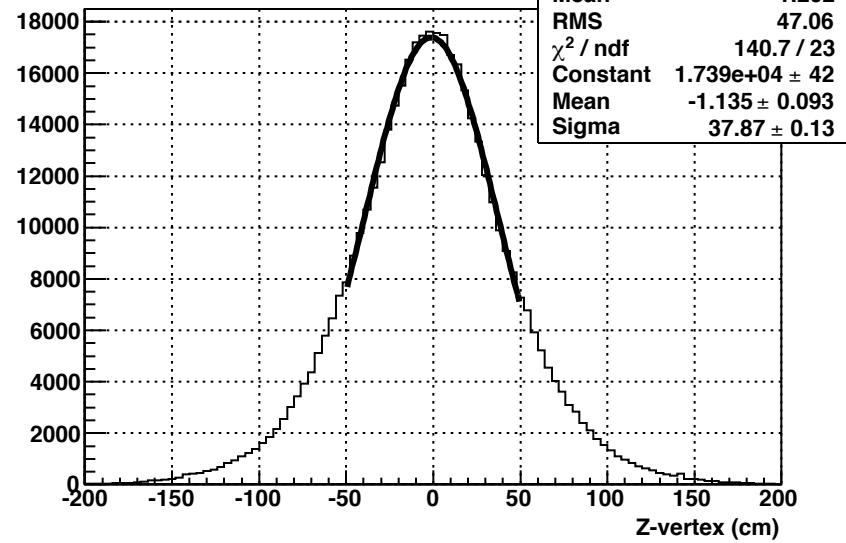


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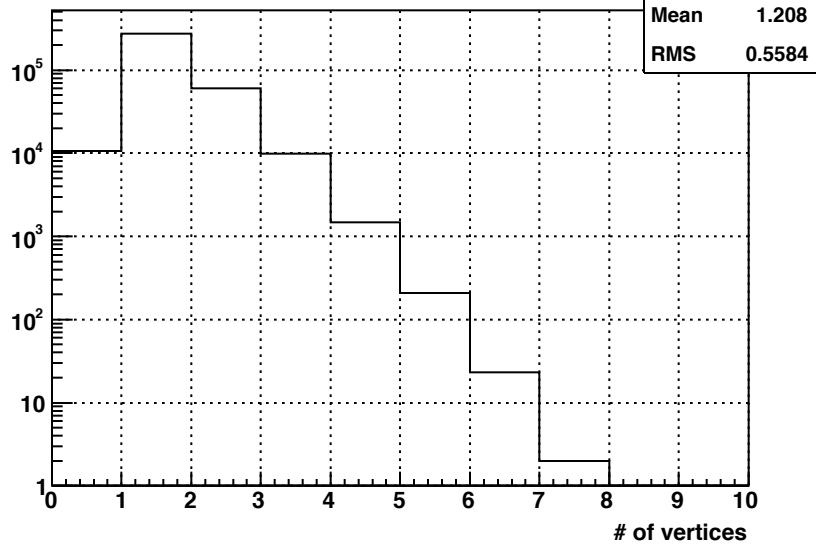
L2WB: PPV Vertex rank, funny X-axis



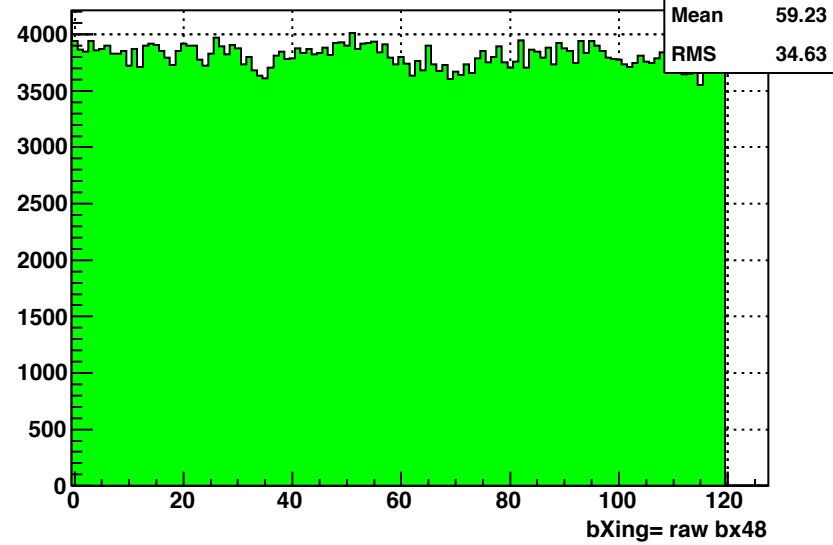
L2WB: Z of any vertex w/ rank>0



L2WB: # vertices per event, rank>0 & Z in range

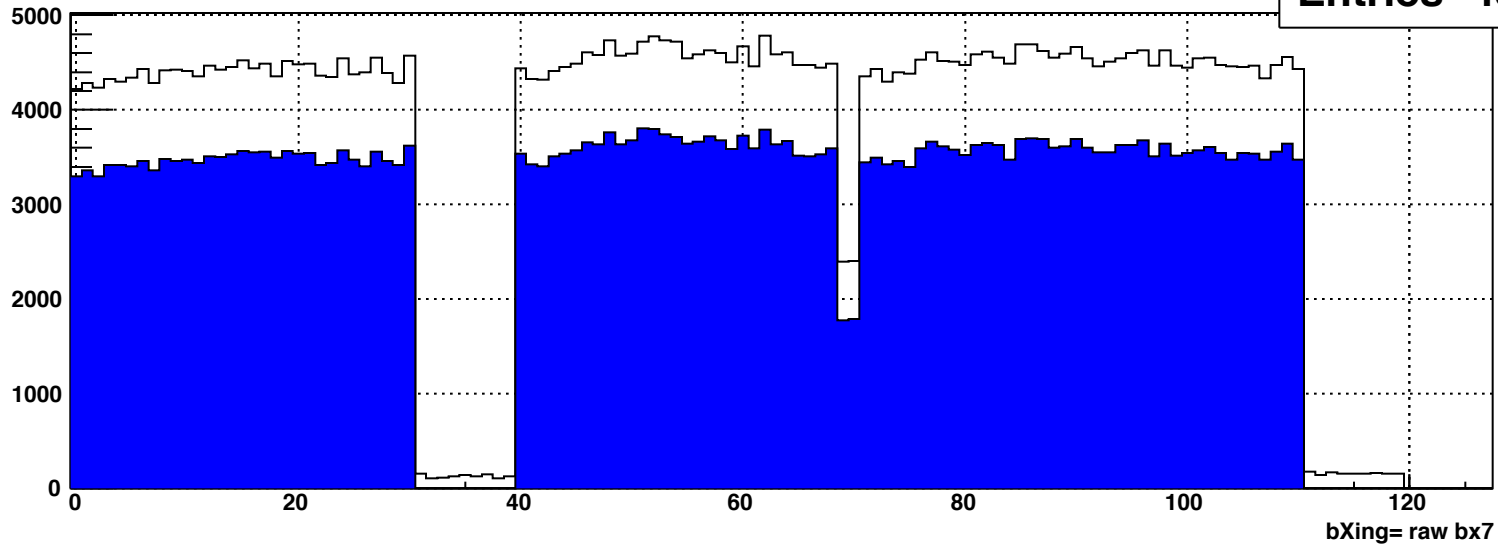


L2WB-ET events vs. bXing



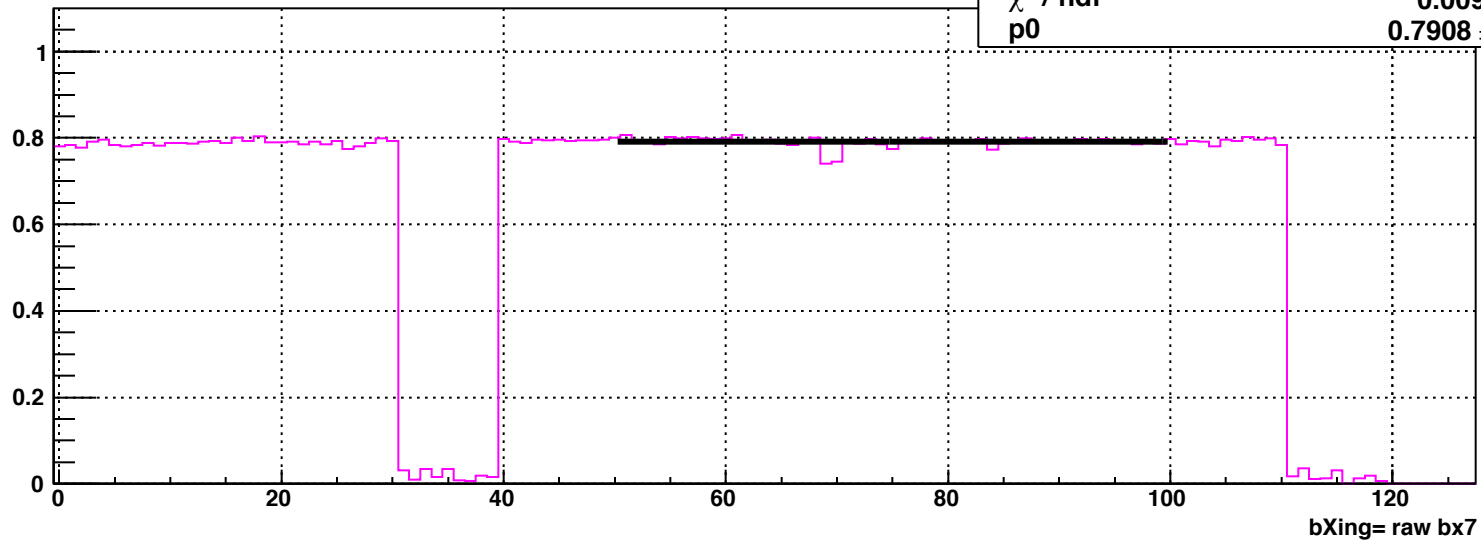
L2WB-ET events vs. bXing

Entries 456885



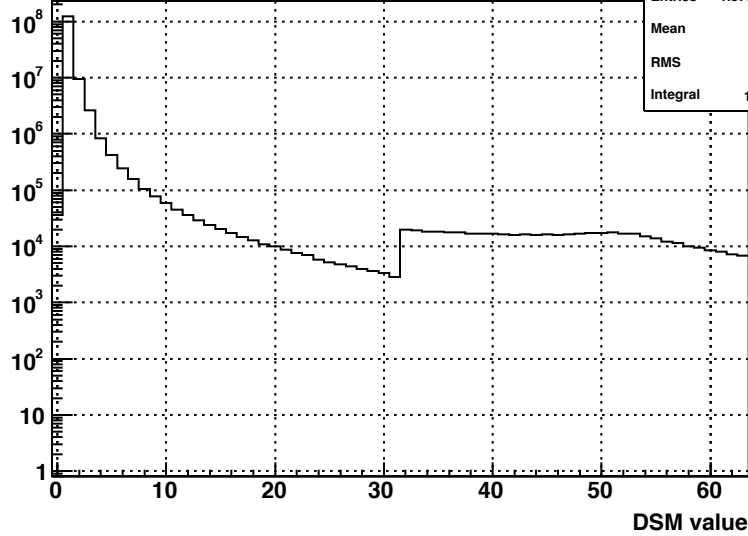
Vertex effi vs. bXing

Entries 359399
 χ^2 / ndf 0.009241 / 50
p0 0.7908 ± 0.1245

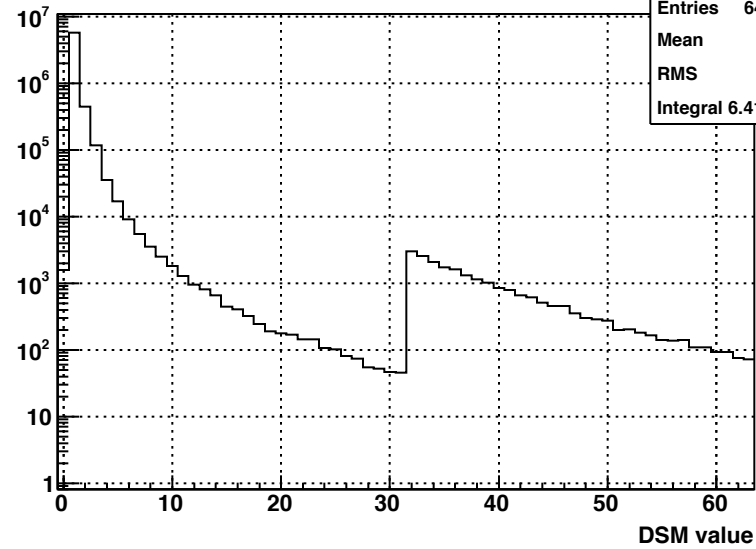


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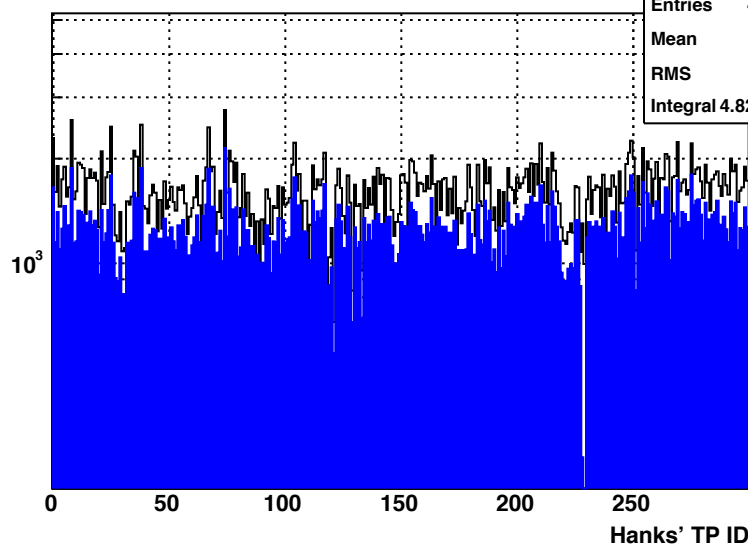
L2WB-ET events DMS spectrum



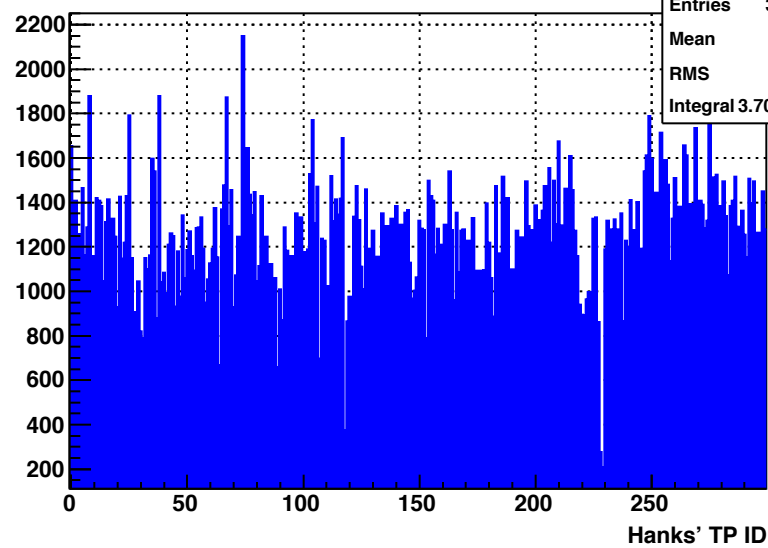
L2WB-Rnd events DMS spectrum



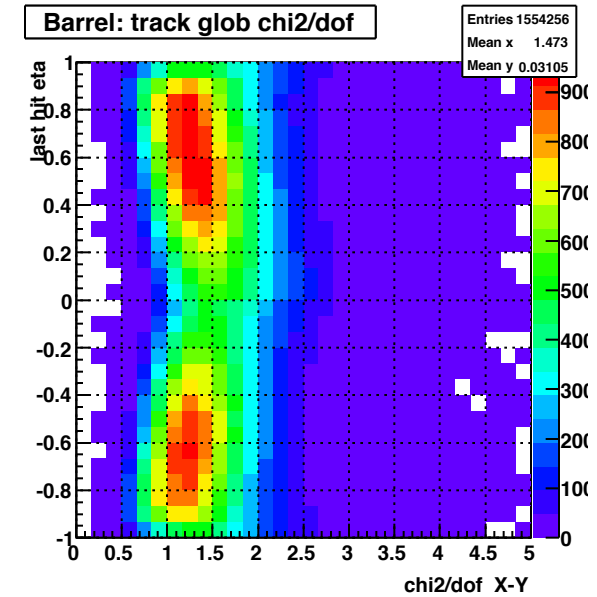
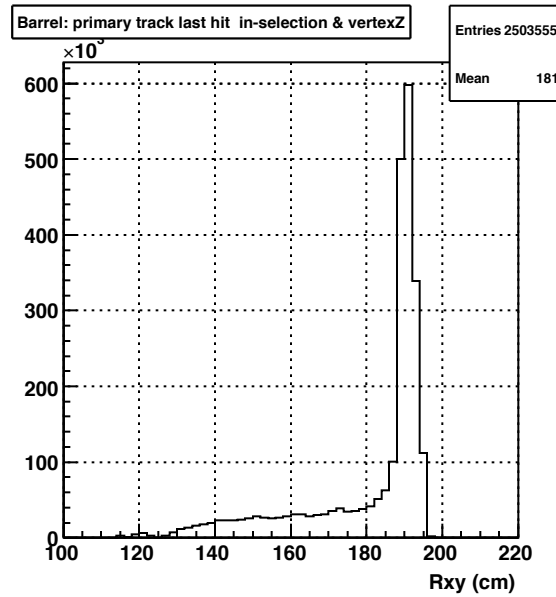
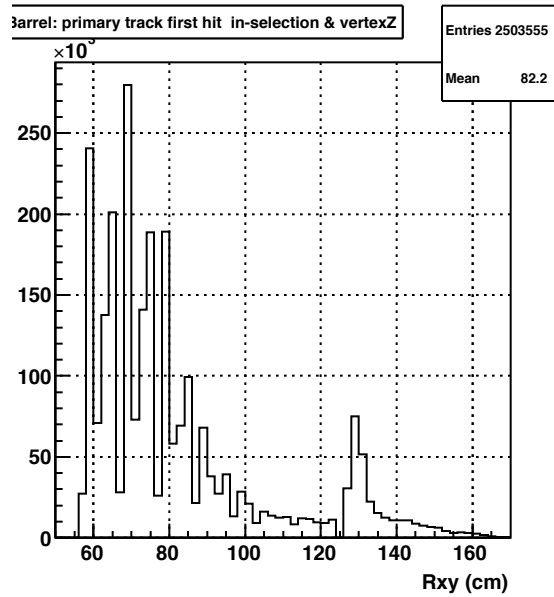
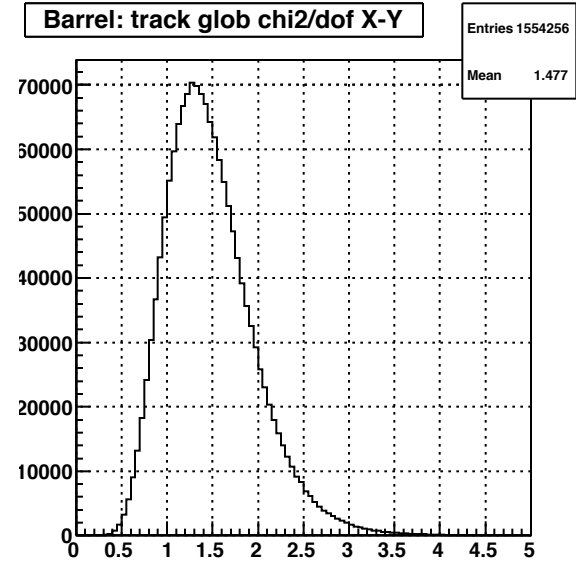
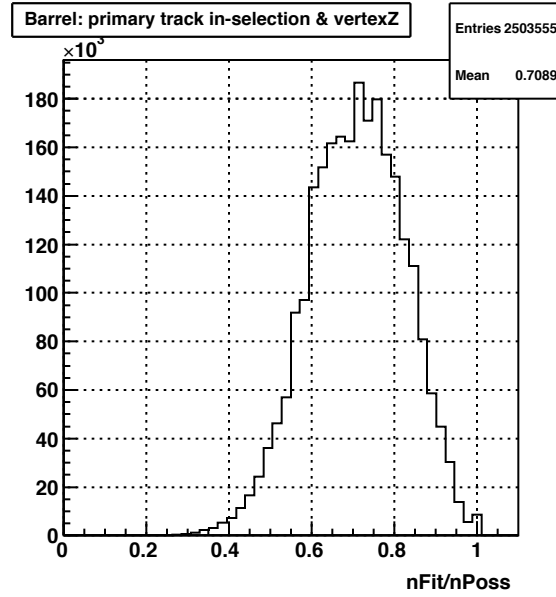
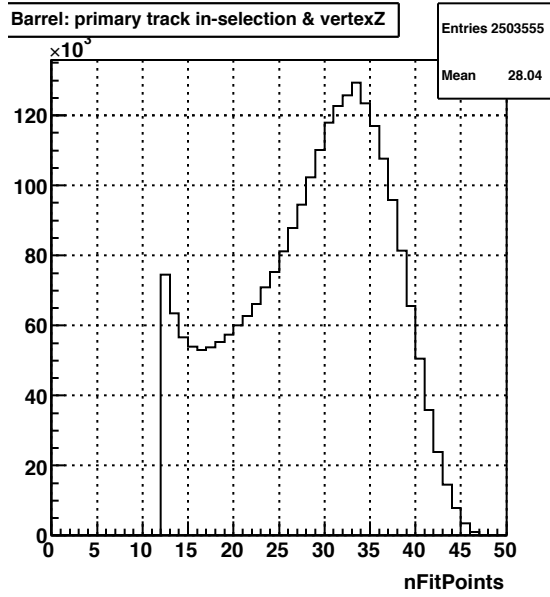
L2WB-ET events w/ DMS>31 vs.BTOW TP ID bXing



L2WB-ET events w/ DMS>31 & primVertexvs.BTOW TP ID bXing

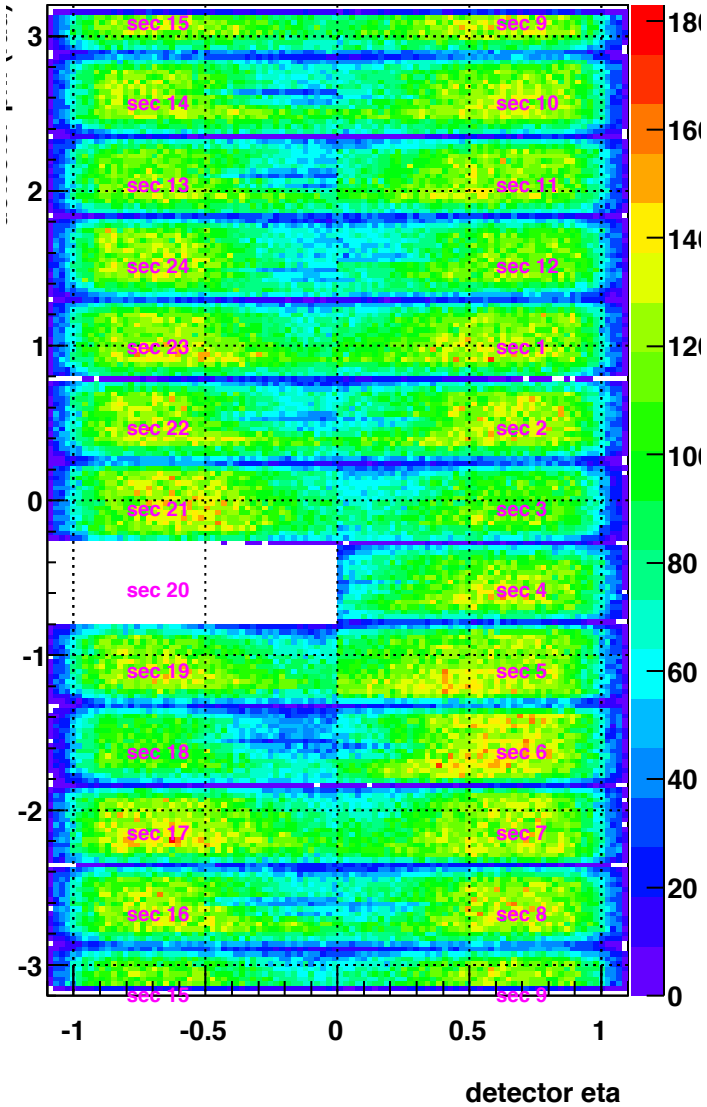


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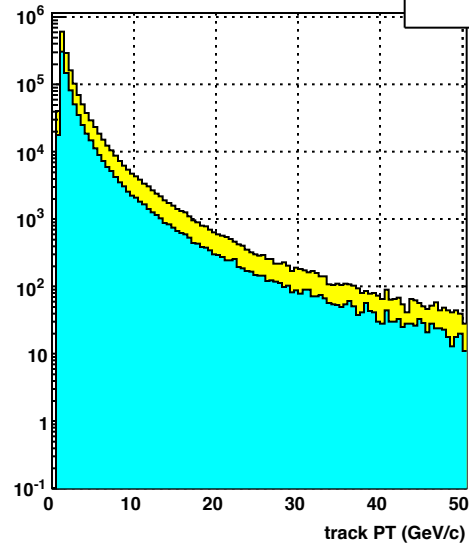
Barrel: lastHit on track

Entries 1554256



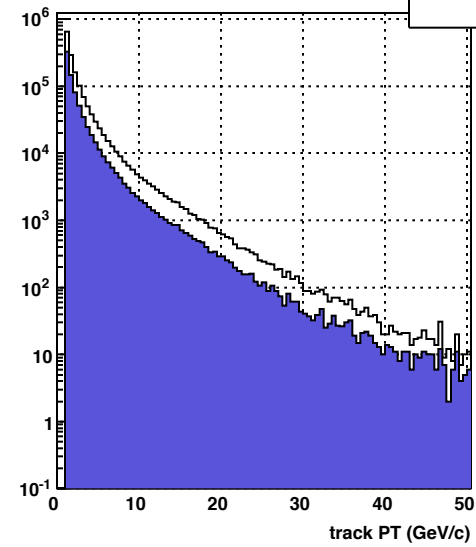
Barrel: global track PT

Entries 554256



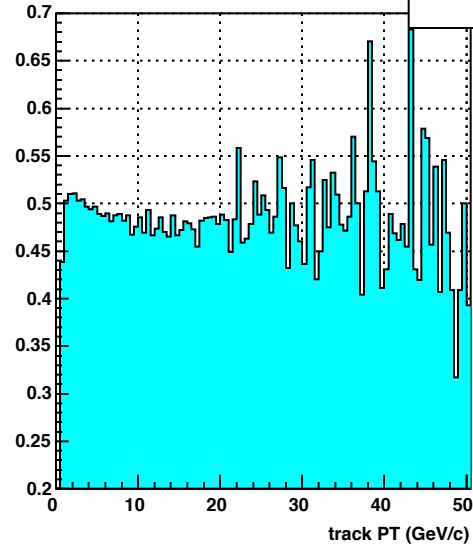
Barrel: primary track PT

Entries 554256



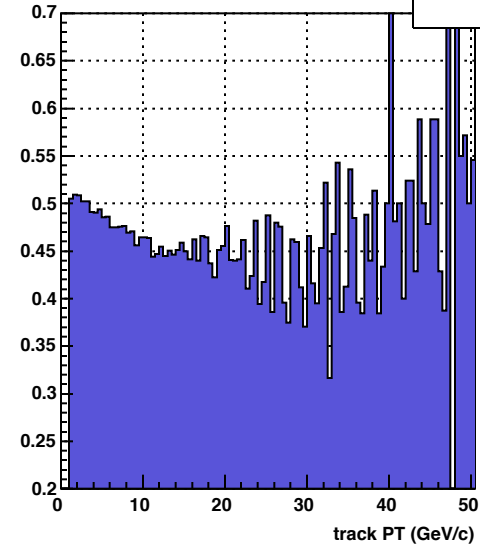
Ratio Negative/all

Entries 778701



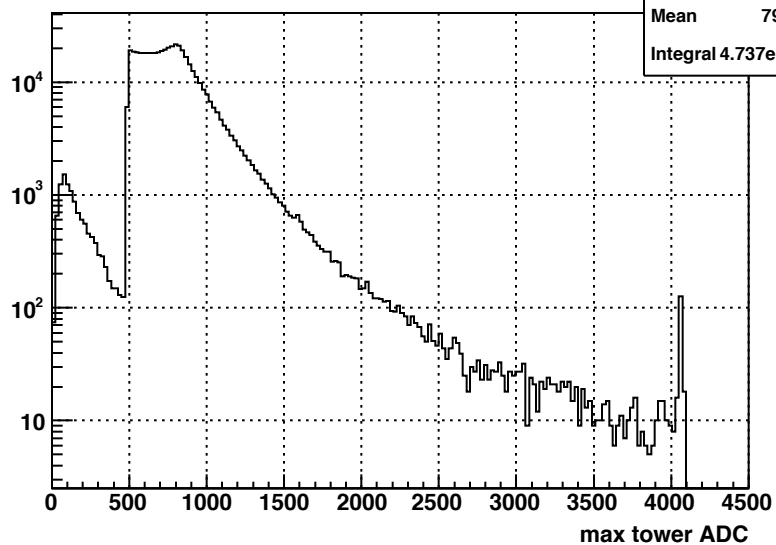
Ratio Negative/all

Entries 779142

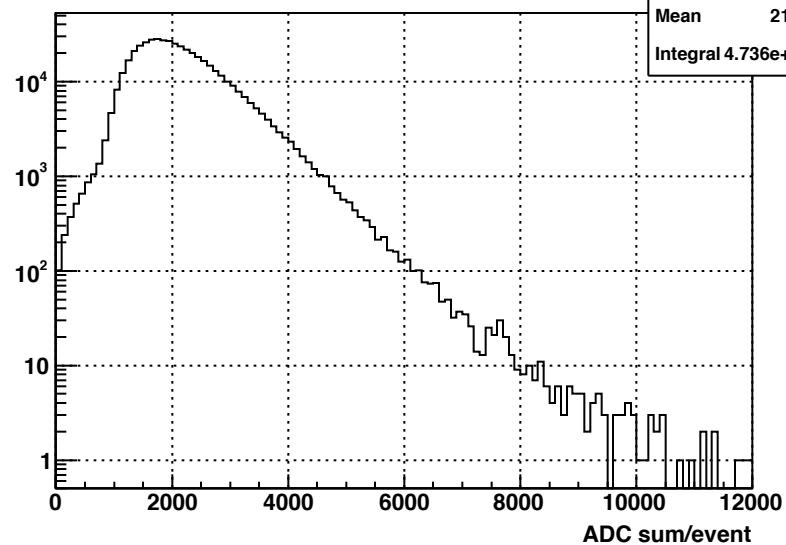


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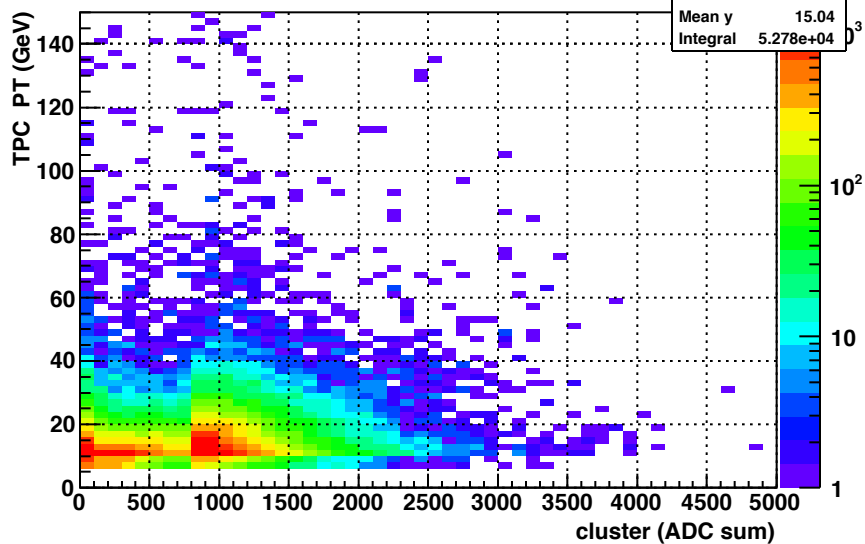
Barrel: BTOW maxADC in event, in-selection



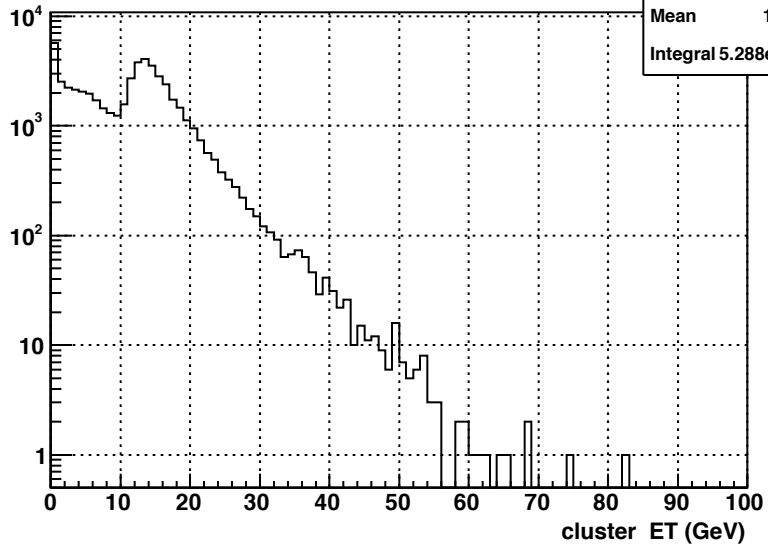
Barrel: BTOW sum of ADC>thres , in-selection



Barrel: matched TPC PT vs. 2x2 cluster ADC sum

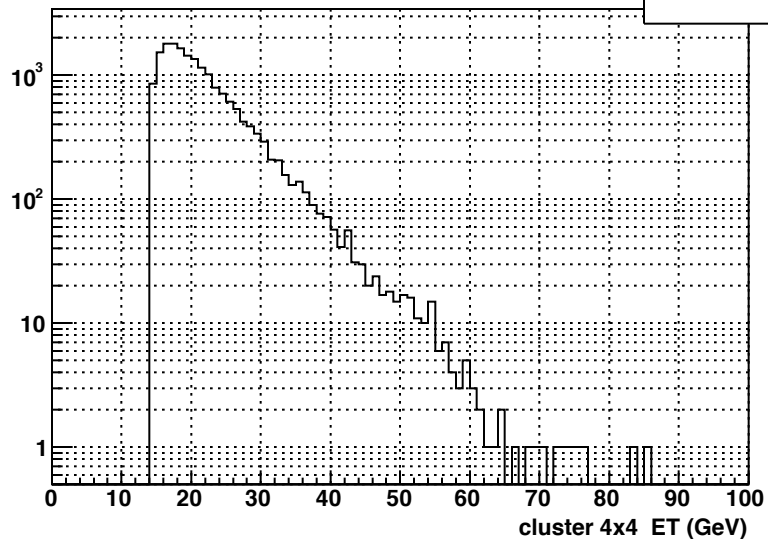


matched BTOW 2x2 cluster ET



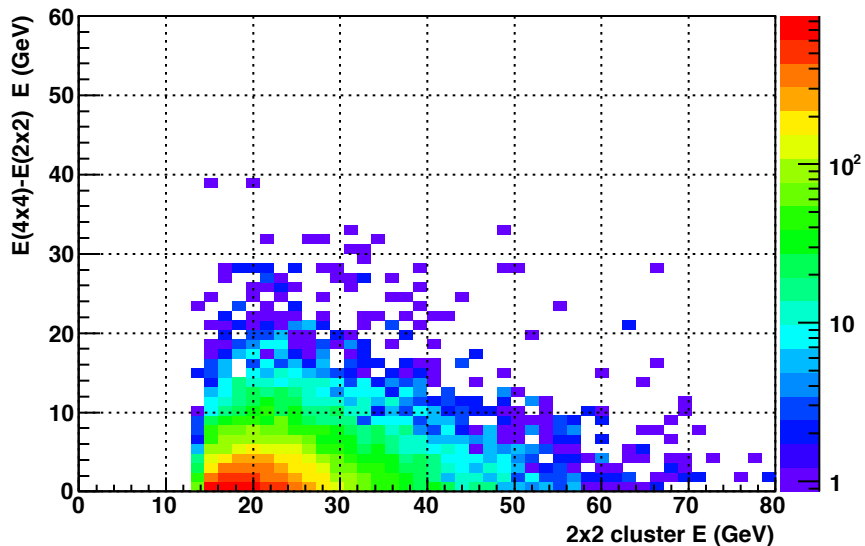
matched BTOW 4x4 cluster ET

Entries 18307



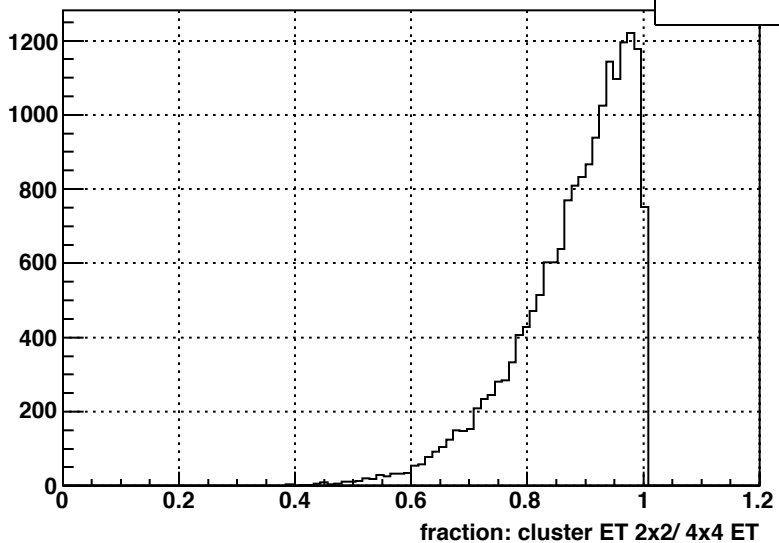
Barrel: Excess energy in 4x4 cluster vs. 2x2 E

Entries 18307



Barrel: ratio (2x2/4x4) cluster ET

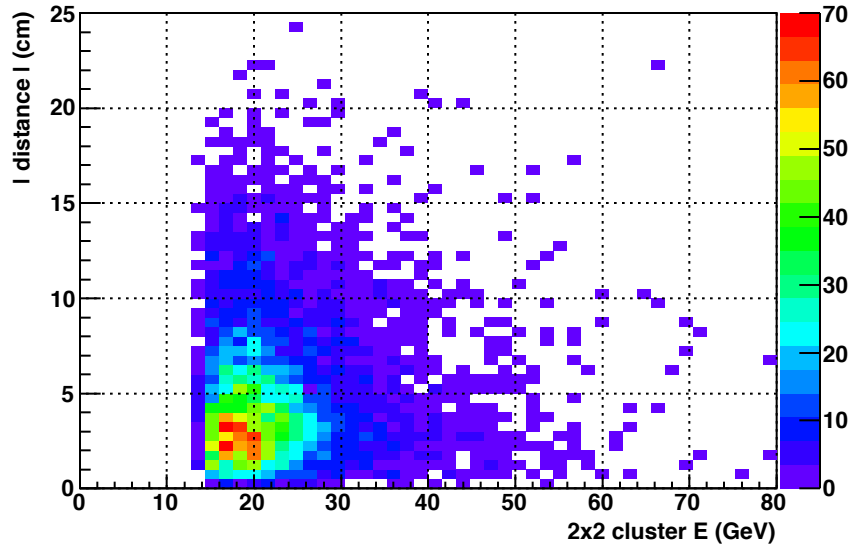
Entries 18307



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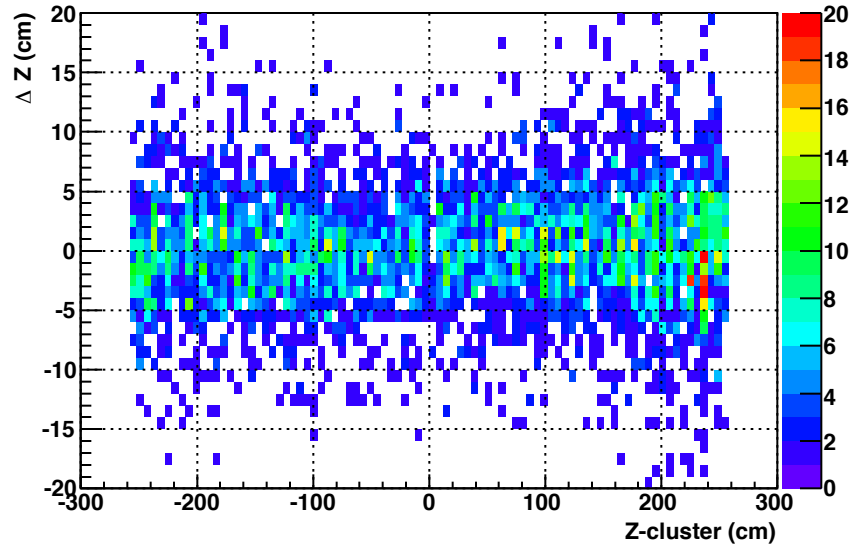
Barrel: 3D Distance(track-cluster) vs. 2x2 E

Entries 5257



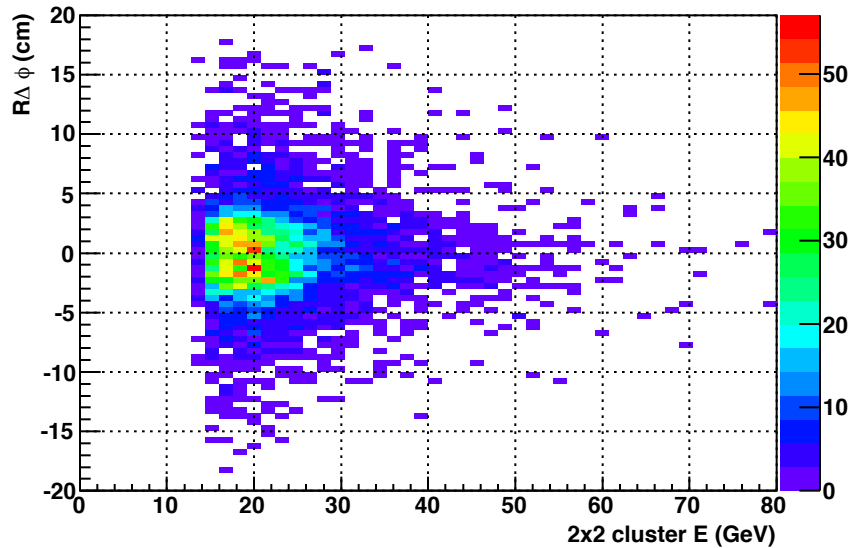
Barrel: ΔZ (track-cluster) vs. Z-clust

Entries 5257



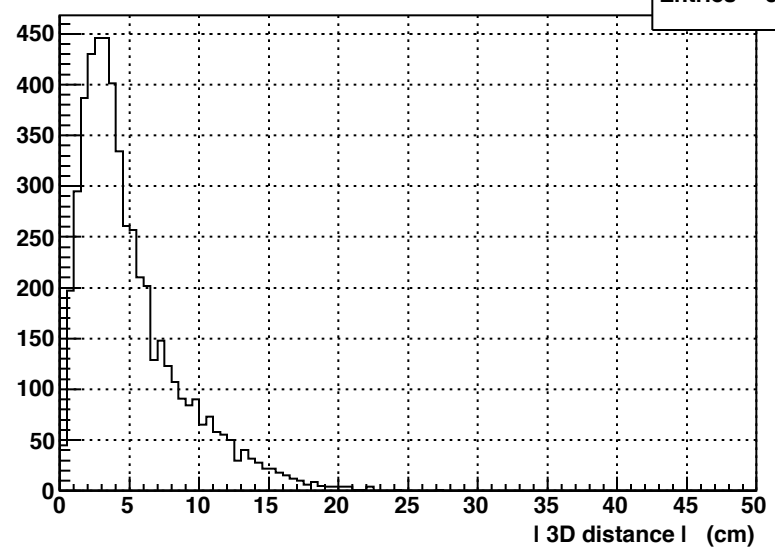
Barrel: $R_{\Delta \phi}$ (track-cluster) vs. 2x2 E

Entries 5257



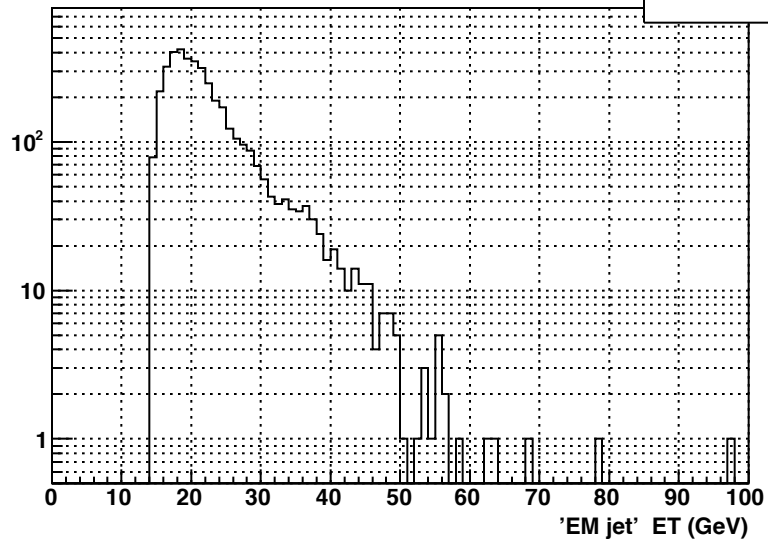
Barrel: 3D Distance(track-cluster) vs. 2x2 E

Entries 5257



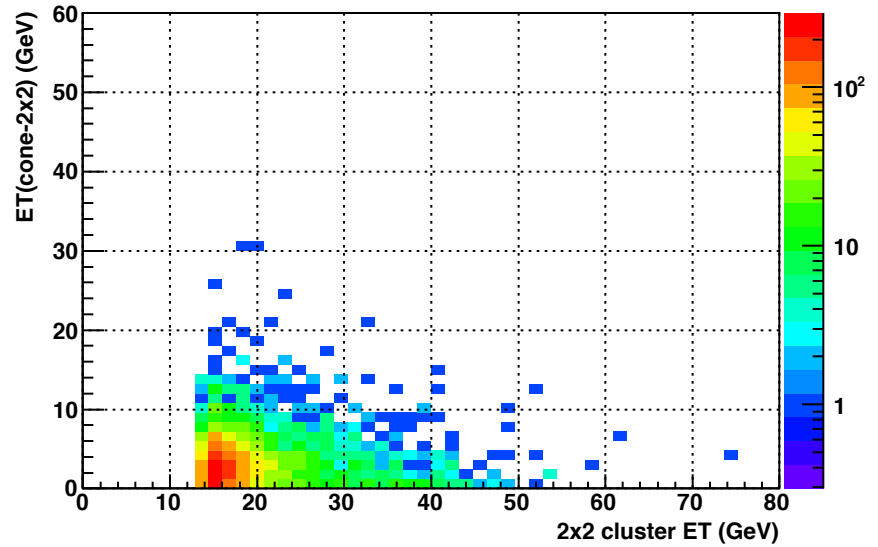
Barrel: near 'EM jet' ET

Entries 4040



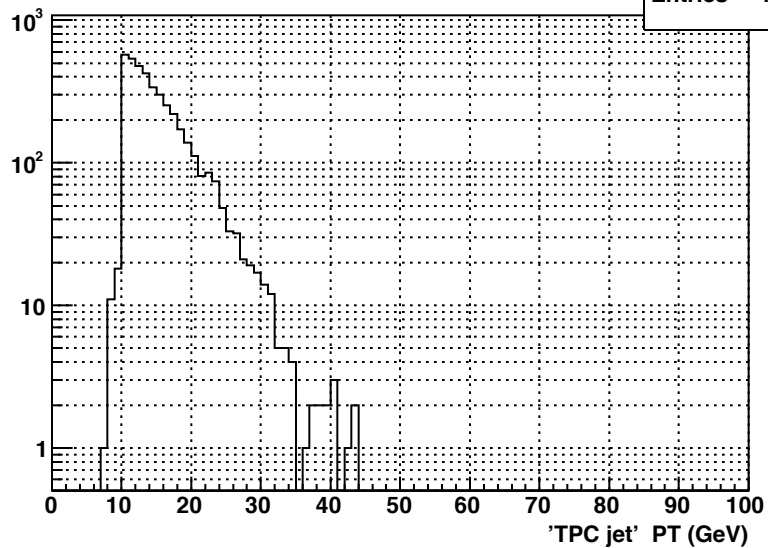
Barrel: Excess nearCone ET vs. 2x2 E

Entries 4040



Barrel: quenched near 'TPC jet' PT

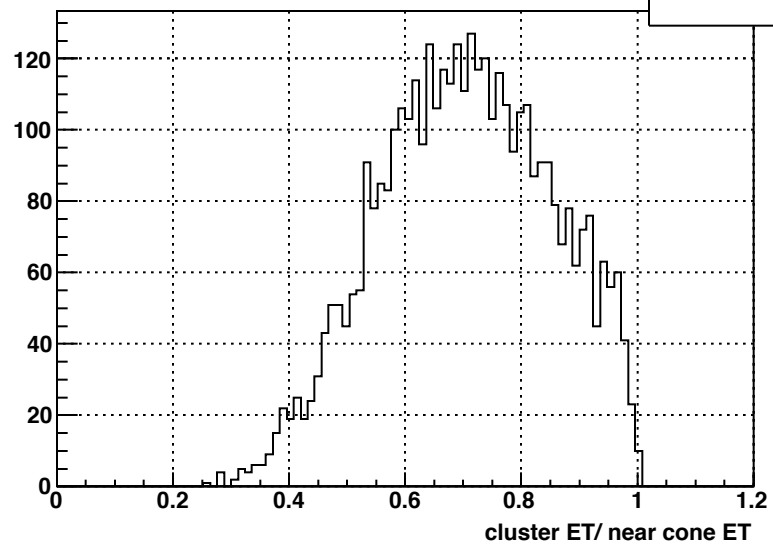
Entries 4040



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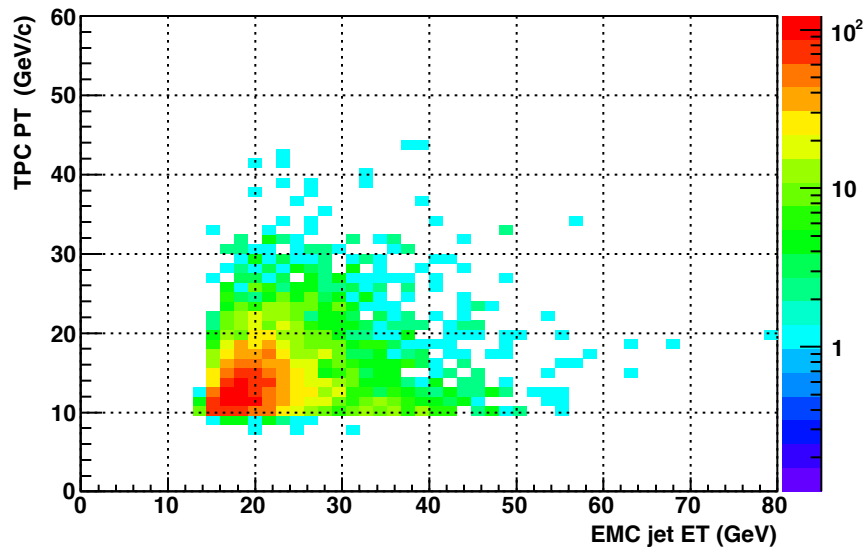
Barrel: ratio (2x2/nearCone) ET

Entries 4040



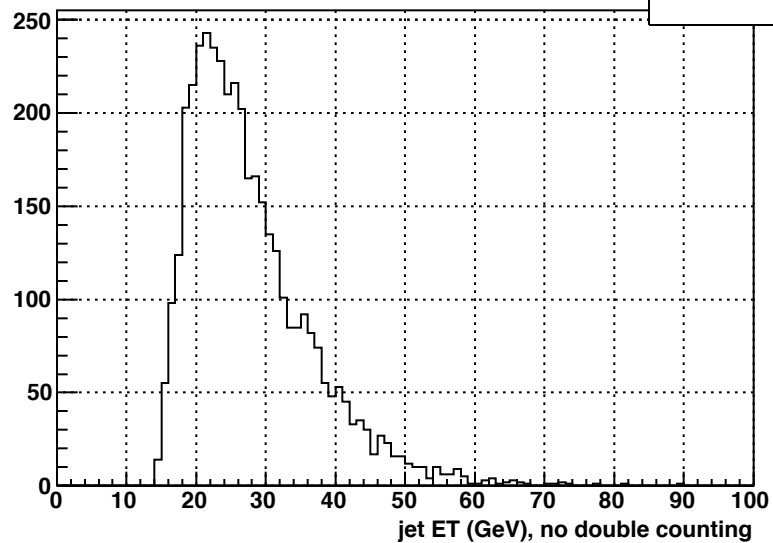
Barrel: quenched near 'TPC jet' vs. near 'EMC jet'

Entries 4040



Barrel: near 'TPC+EMC jet' ET

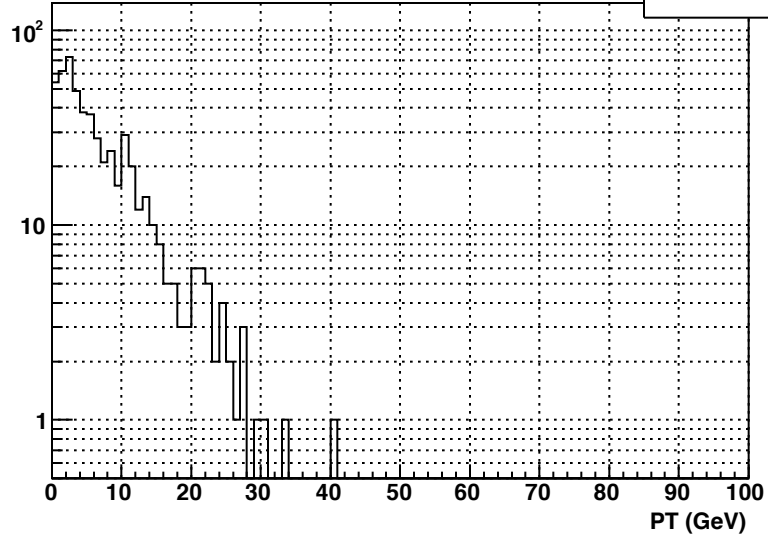
Entries 4040



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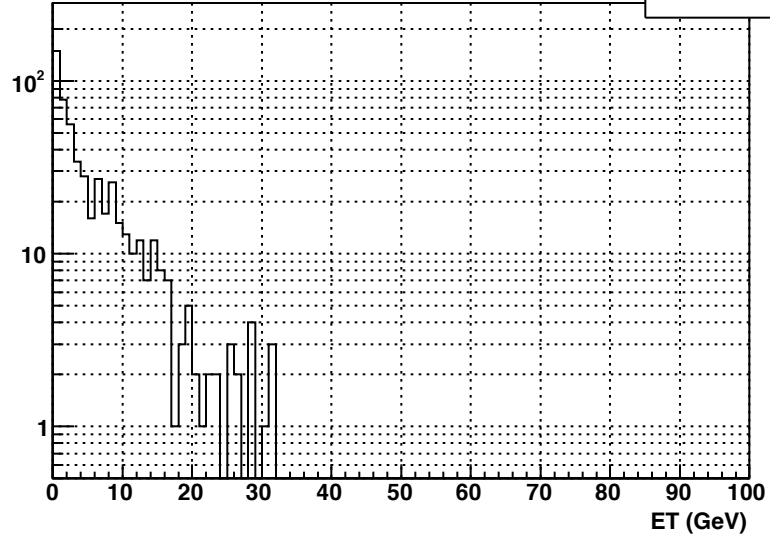
Barrel: TPC away-cone PT sum

Entries 544



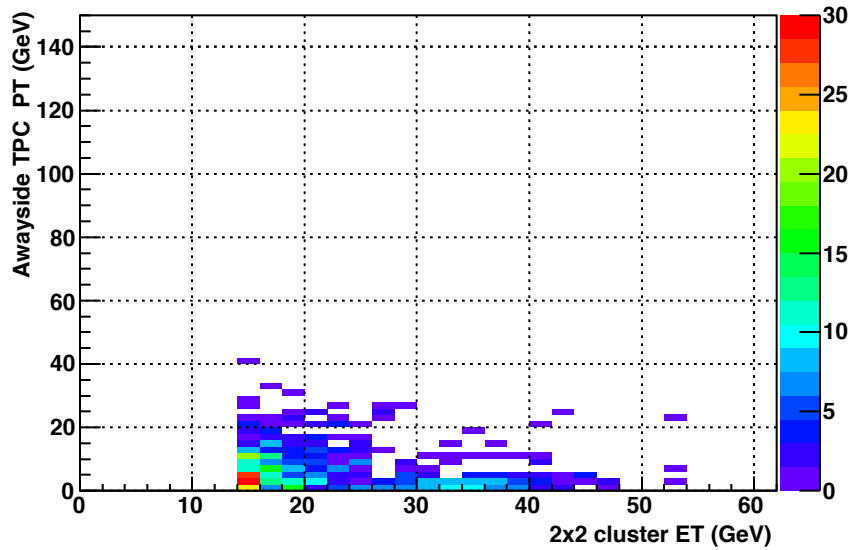
Barrel: BTOW away-cone ET sum

Entries 544



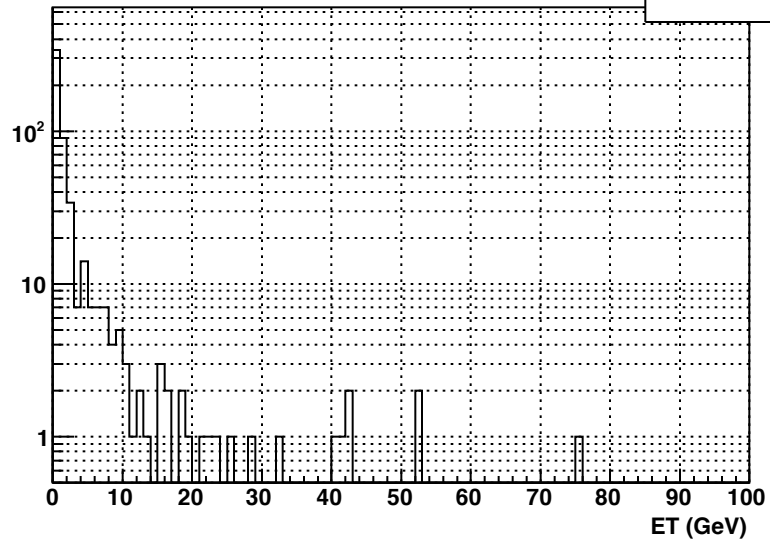
Barrel: Awayside TPC PT vs. isolated cluster 2x2 ET, matched

Entries 544



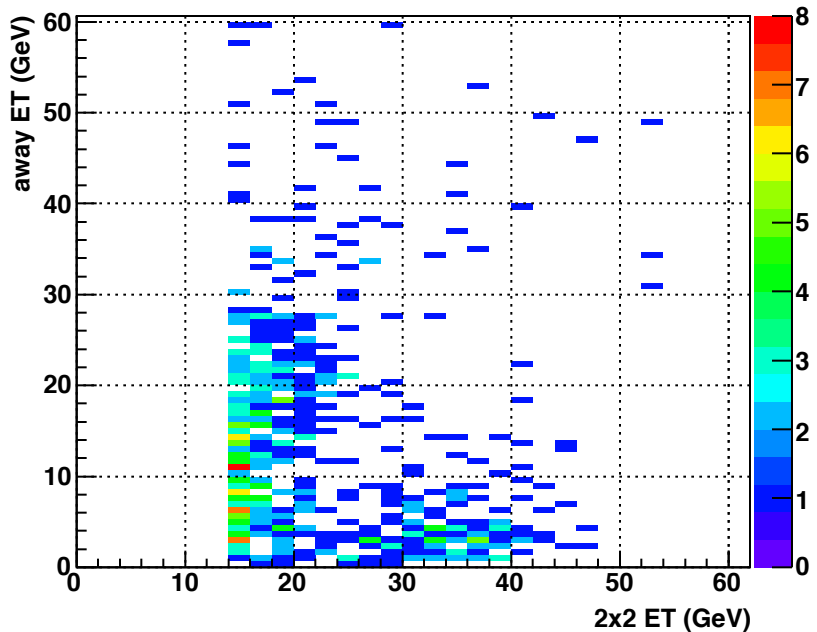
Barrel: ETOW away-cone ET sum

Entries 544



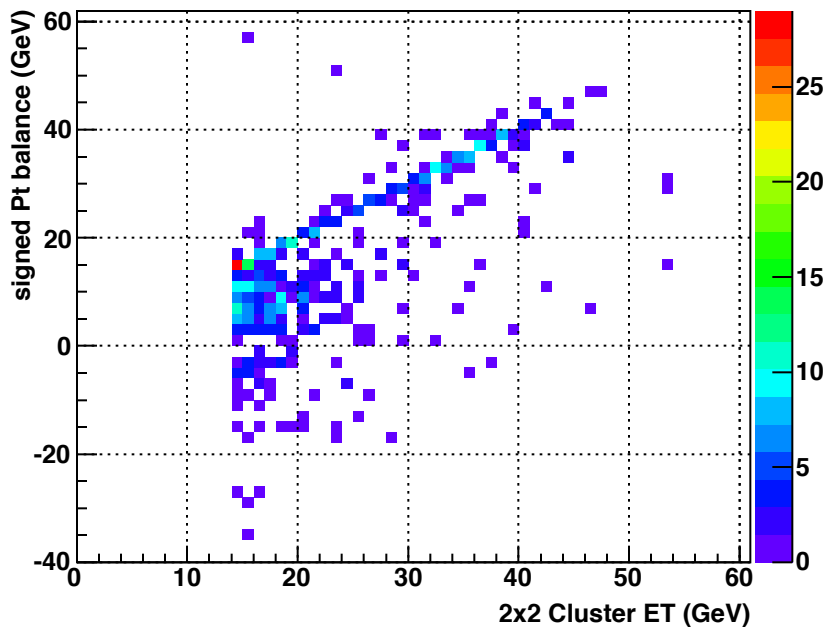
Barrel: away TPC+EMC ET sum vs. 2x2 cluster ET

Entries 544



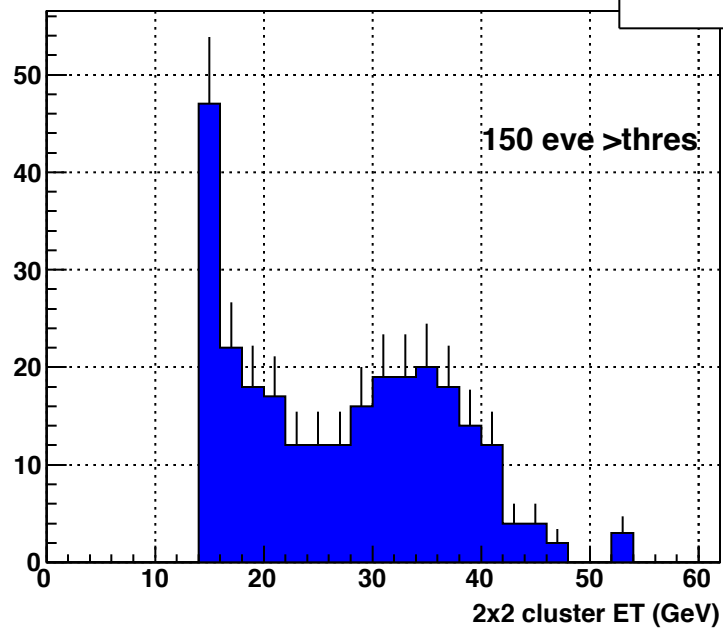
Barrel: sPtBalance vs cluster ET

Entries 544



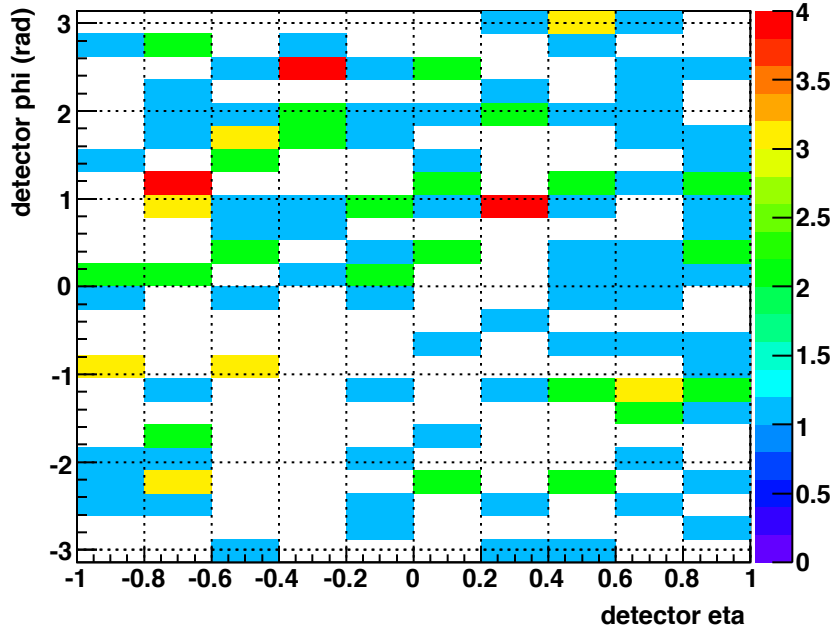
Barrel W: Final Selection : 2011Walgo

Entries 271



Barrel W: Final selection, ET>25 GeV 'goldenW'

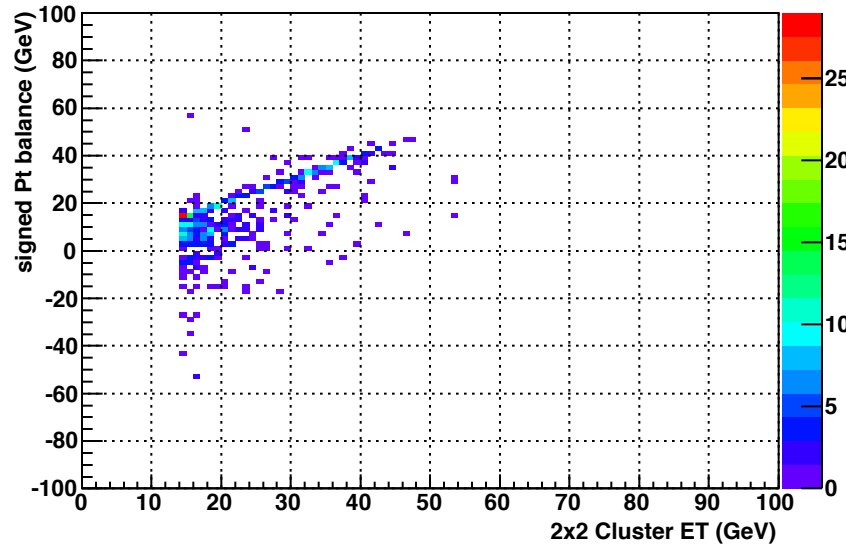
Entries 150



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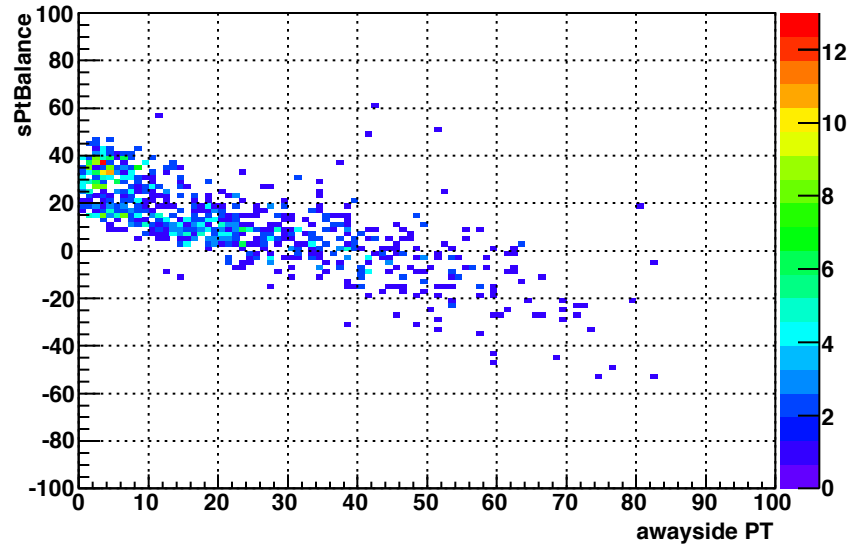
Barrel: sPtBalance vs cluster ET

Entries 544



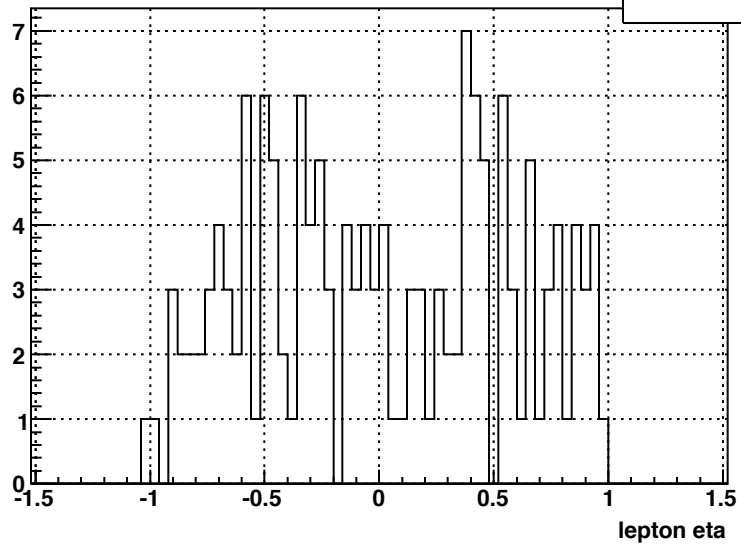
Barrel: sPtBalance vs awayside PT

Entries 1017



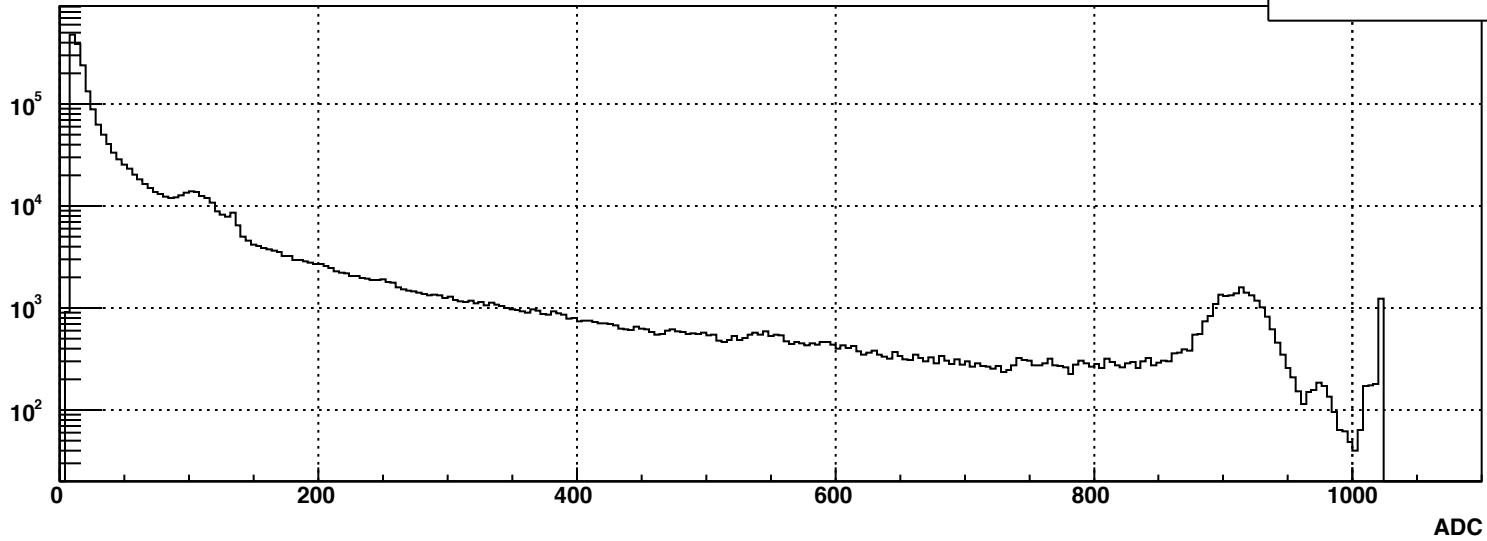
Barrel W: lepton eta final selection 2011Walgo

Entries 150



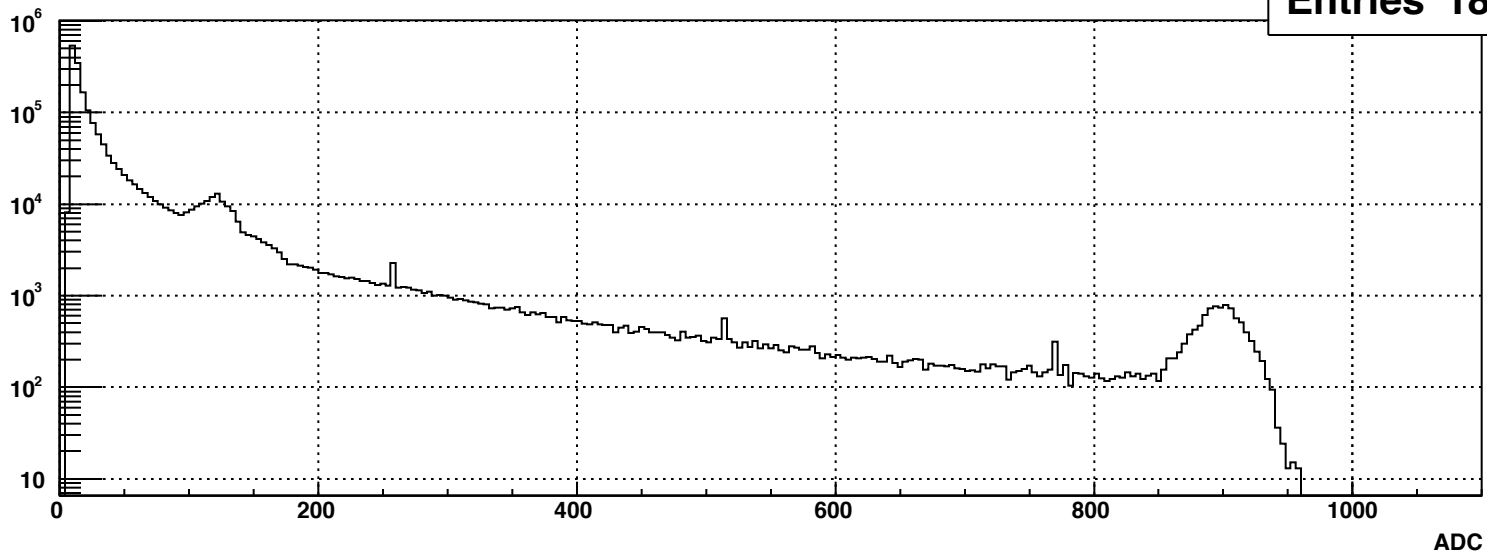
BSMD-E whole plane ADC

Entries 2052503



BSMD-P whole plane ADC

Entries 1821828

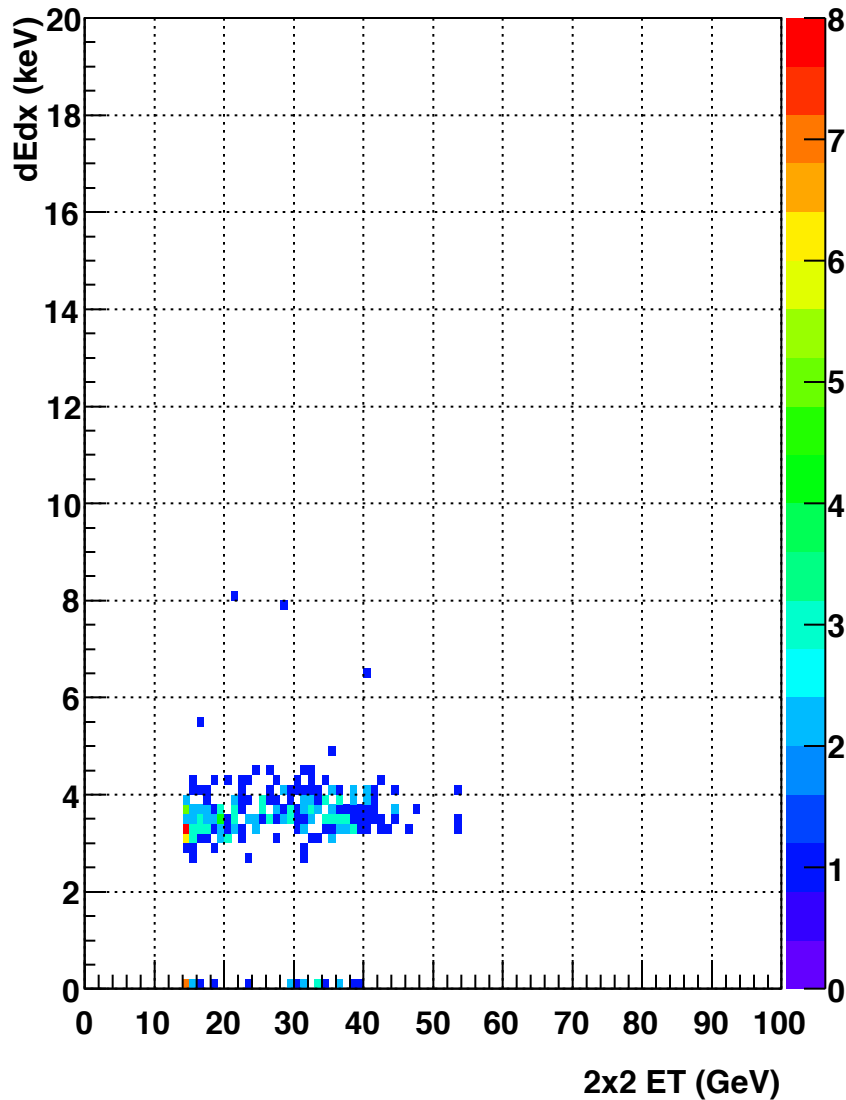
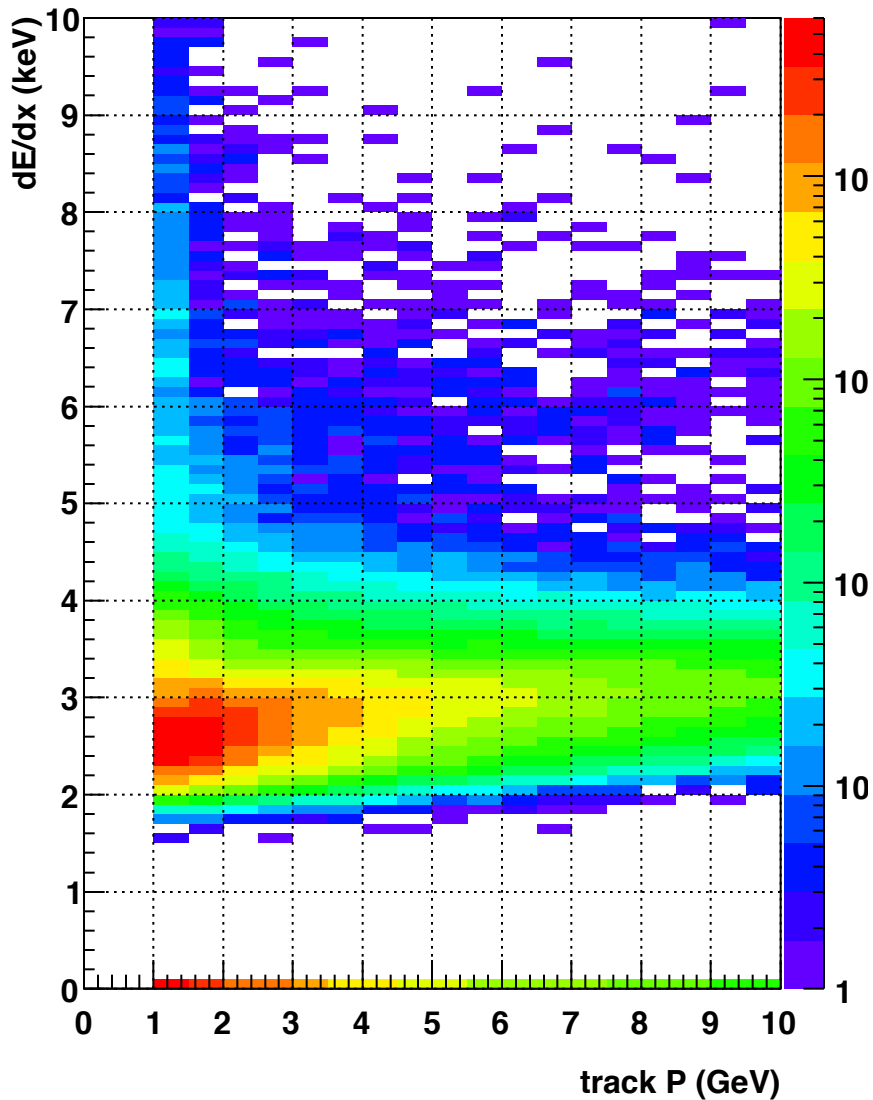


Barrel: dEdX vs. momentum

Entries 1554256

Barrel W: Track dEdx, final selection

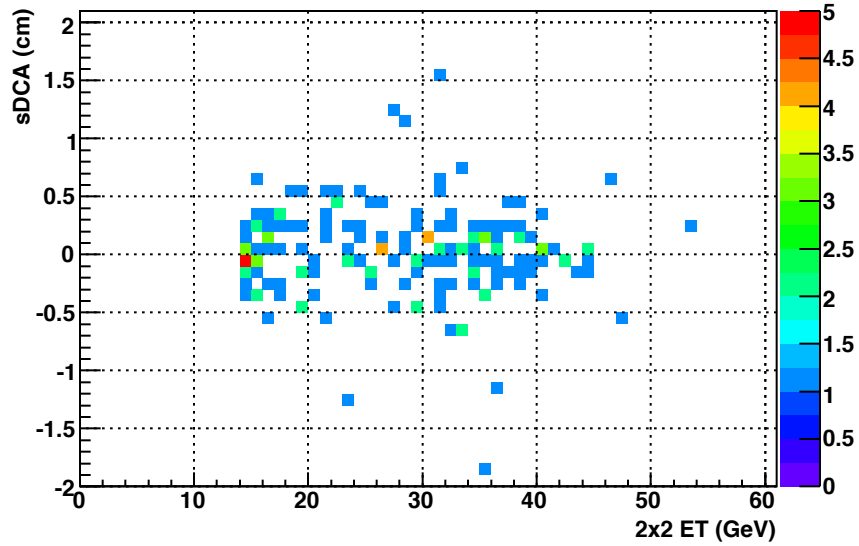
Entries 271



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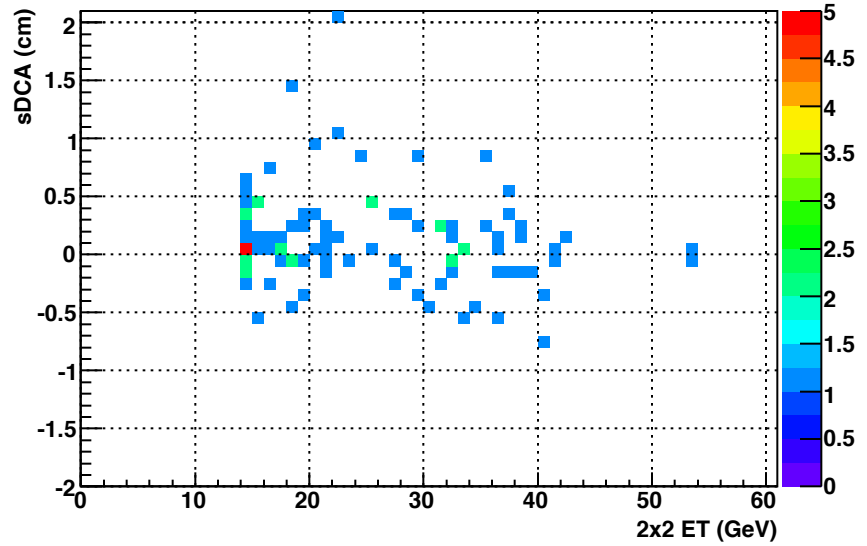
Barrel W: Track prim POSITIVE glob signed DCA, final selection

Entries 174



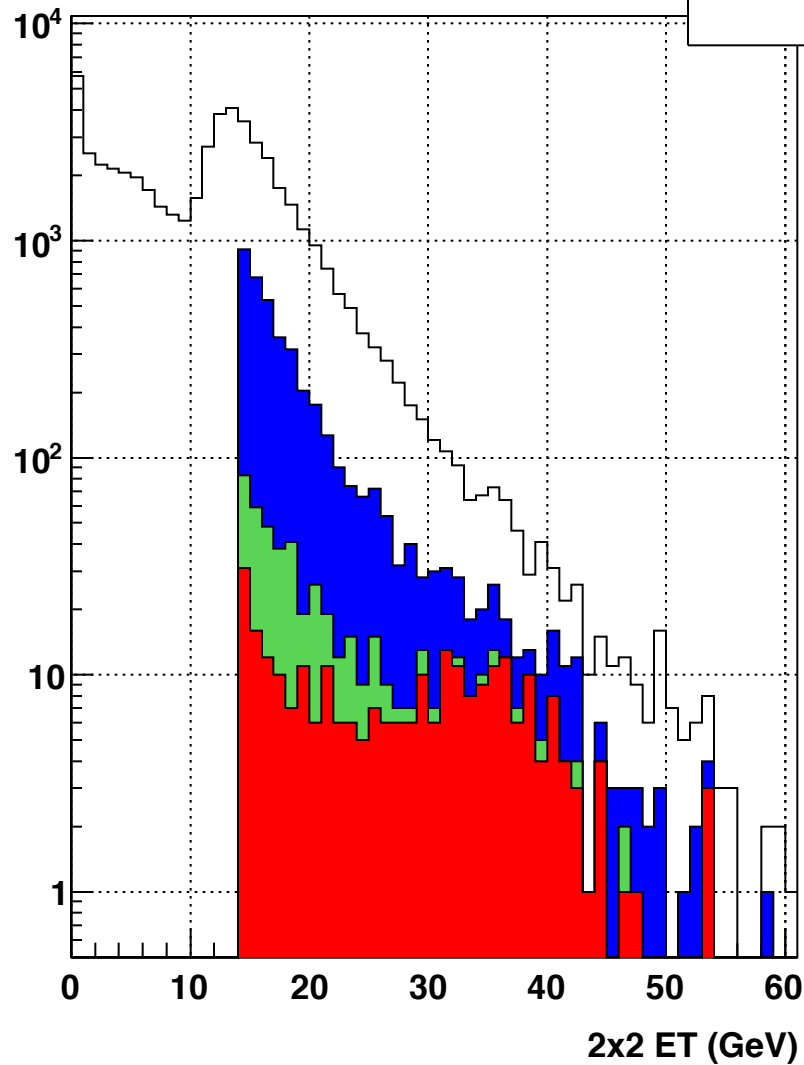
Barrel W: Track prim NEGATIVE glob signed DCA, final selection

Entries 97



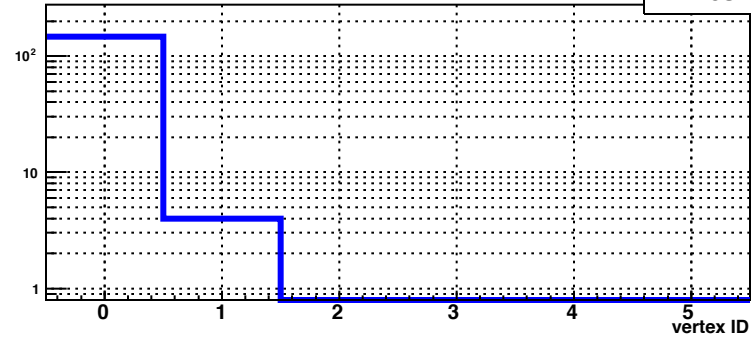
Barrel electron candidate, cut=max 2x2

Entries 52880



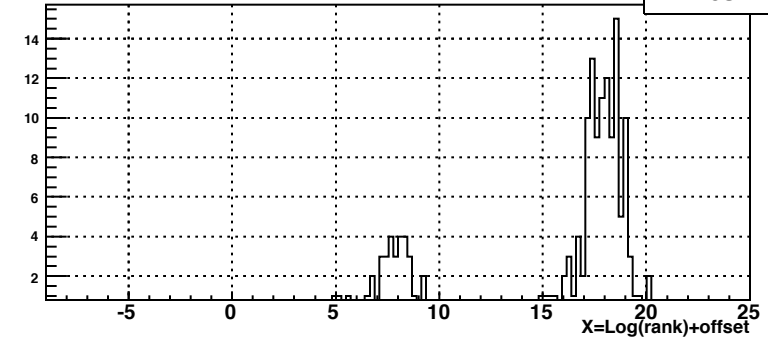
Barrel W: Vertex ID, final selection, 2x2 ET>25 GeV

Entries 150



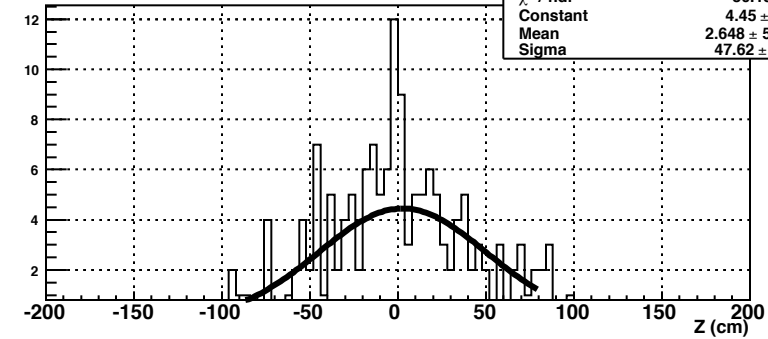
Barrel W: Vertex 'funny' rank, final W selection, 2x2 ET>25 GeV

Entries 150



Barrel W: Vertex Z, final selection, 2x2 ET>25 GeV

Entries	150
χ^2 / ndf	30.15 / 35
Constant	4.45 ± 0.61
Mean	2.648 ± 5.760
Sigma	47.62 ± 7.99

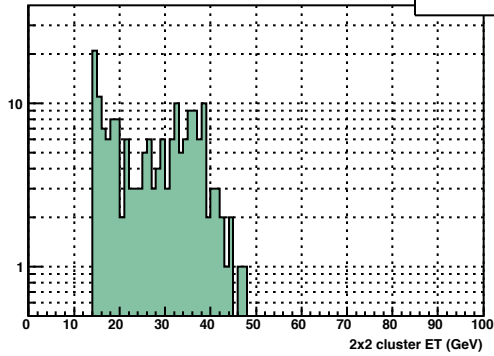


Background study for Joe, testProductionDay89toDay128_1, page=19, Wed Jan 22 10:29:43 2014

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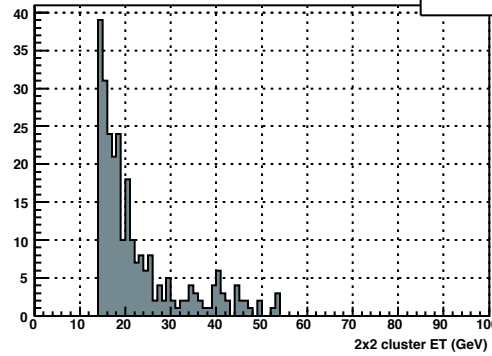
Final sel, awayET<8, nearRET>0.9

Entries 181



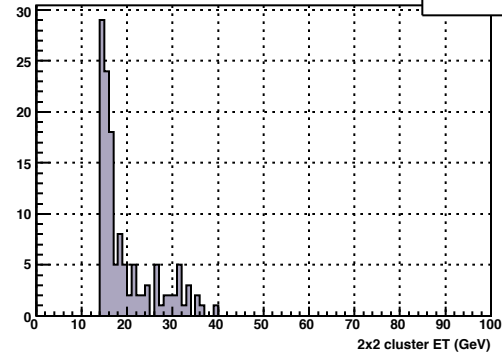
Final sel, awayET>8, nearRET>0.9

Entries 267



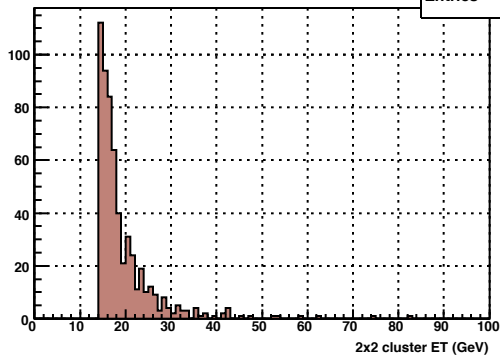
Final sel, awayET<8, nearRET=[0.8,0.9]

Entries 128



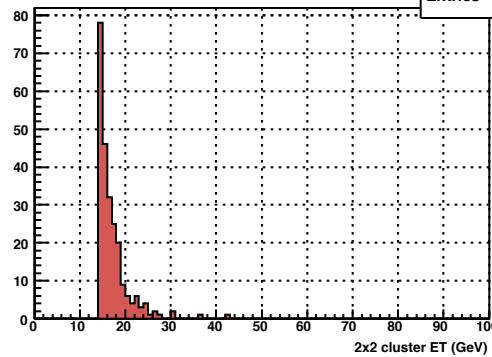
Final sel, awayET>8, nearRET=[0.8,0.9]

Entries 581



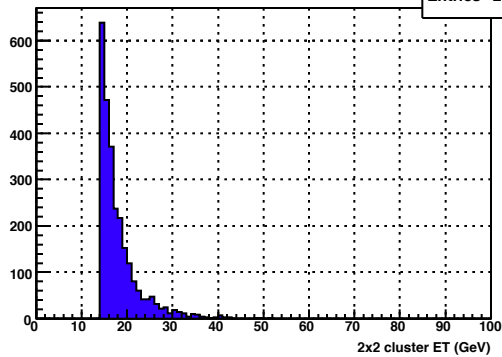
Final sel, awayET<8, nearRET=[0.,0.8]

Entries 241



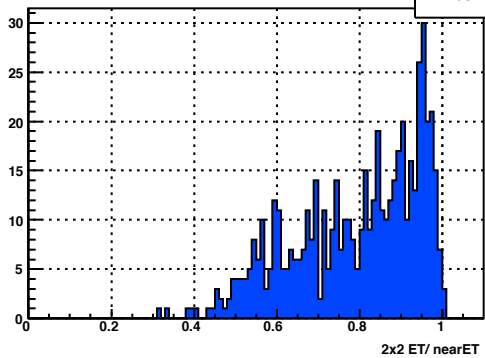
Final sel, awayET>8, nearRET=[0.,0.8]

Entries 2664



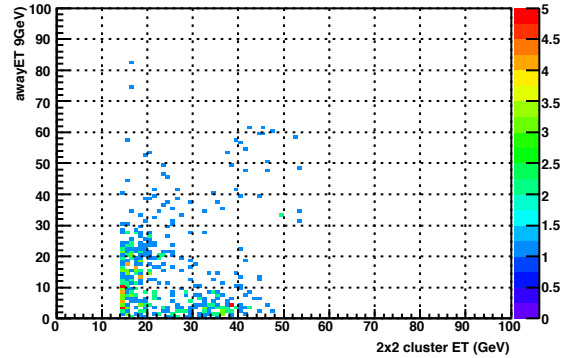
Final sel, awayET<8

Entries 550



Final sel, nearR>0.9

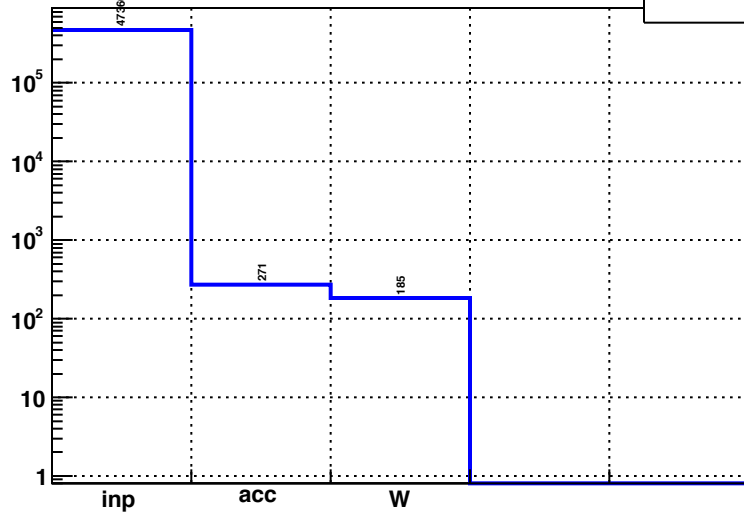
Entries 448



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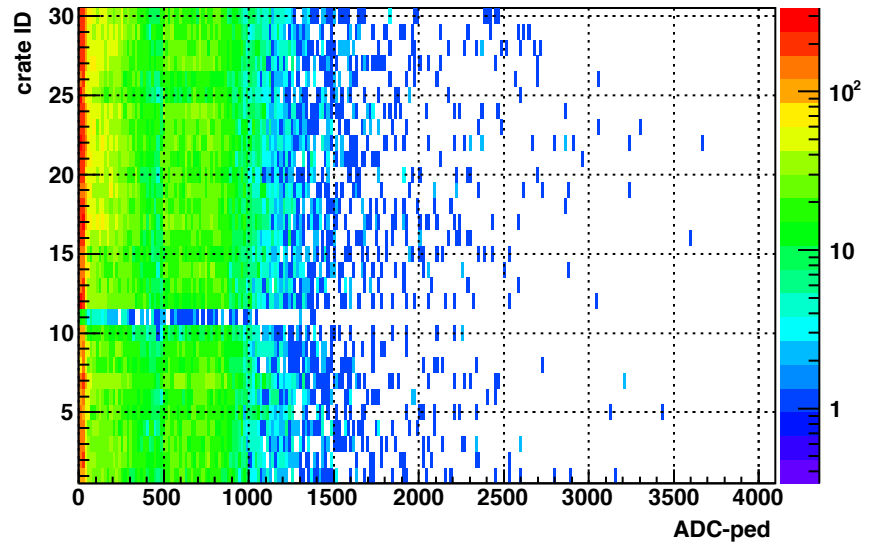
pub event count

Entries 475627



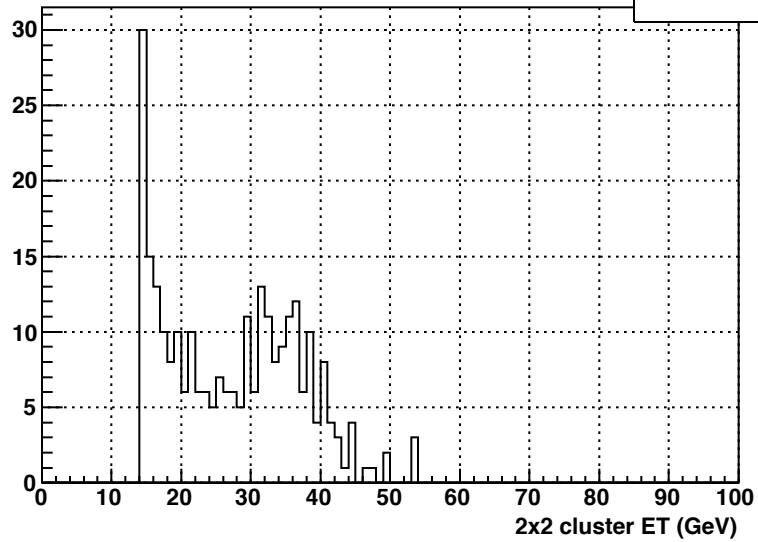
ADC of track pointed tower, per crate

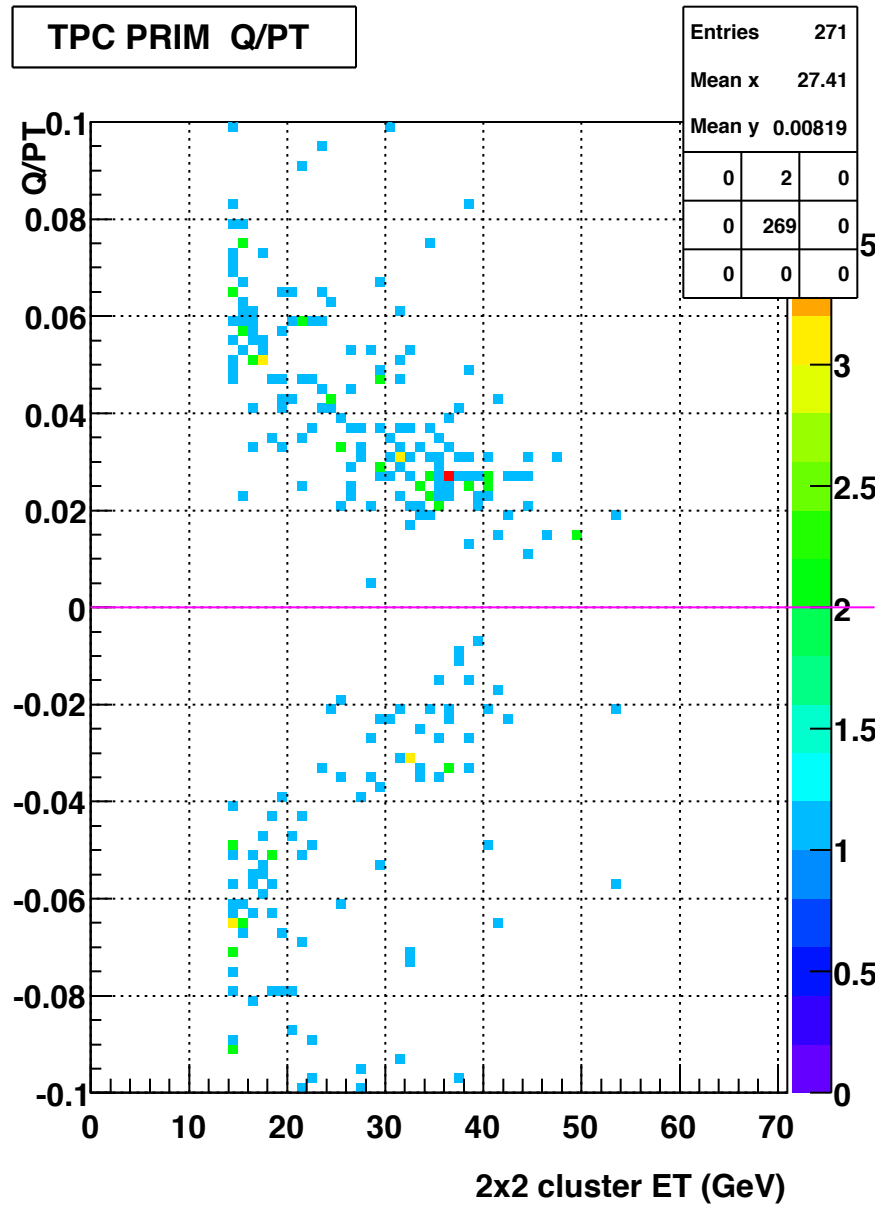
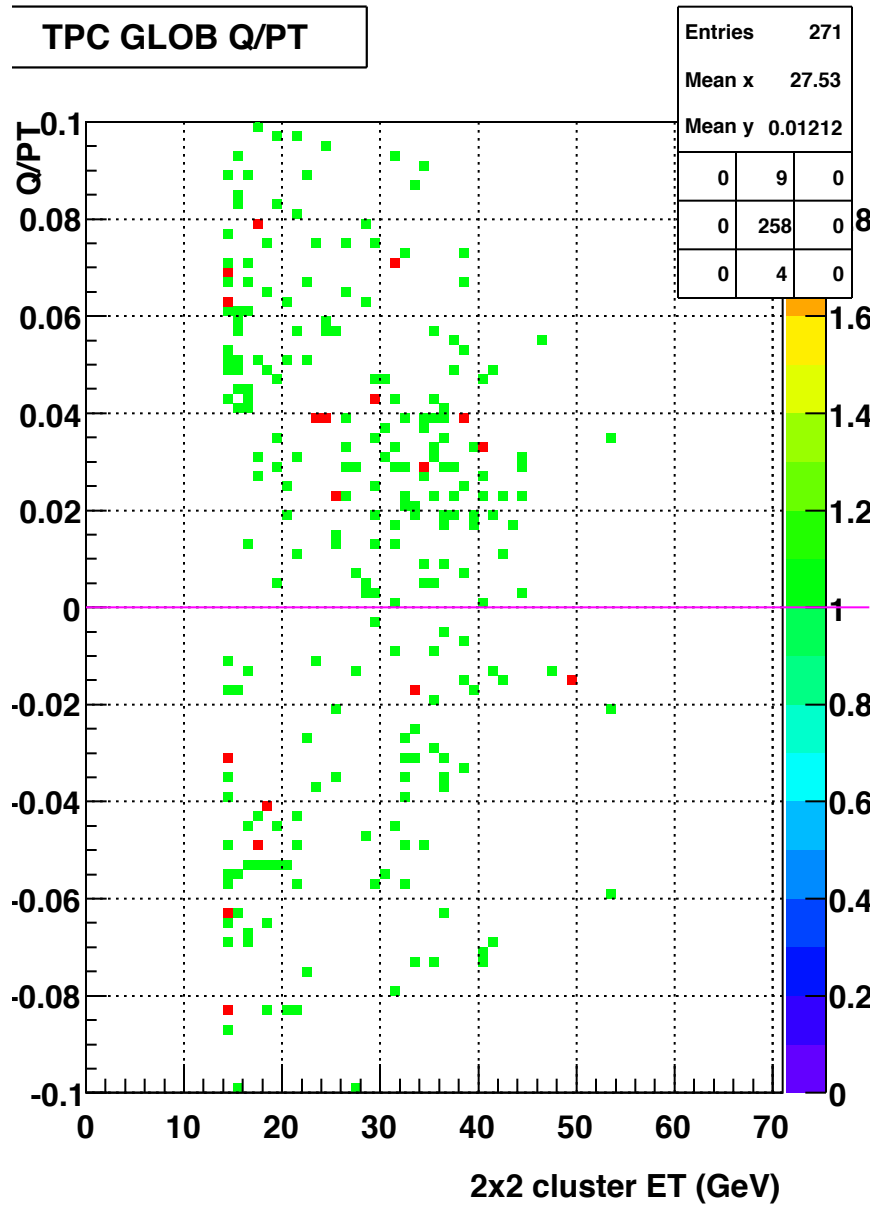
Entries 51049



Final W selection

Entries 271

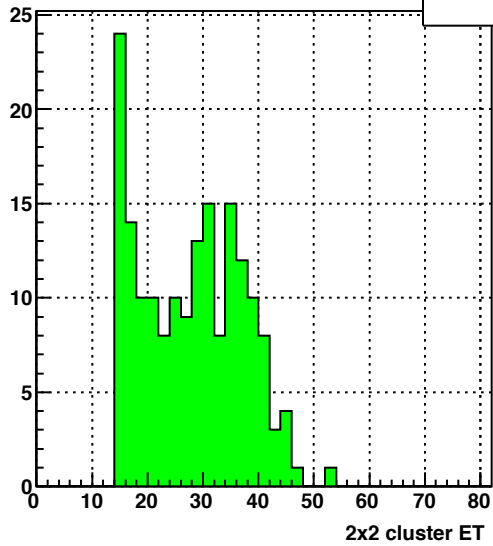




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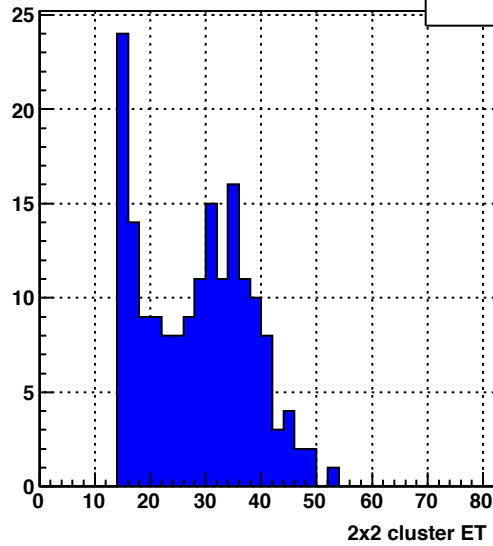
Final W glob Q=P

Entries 175



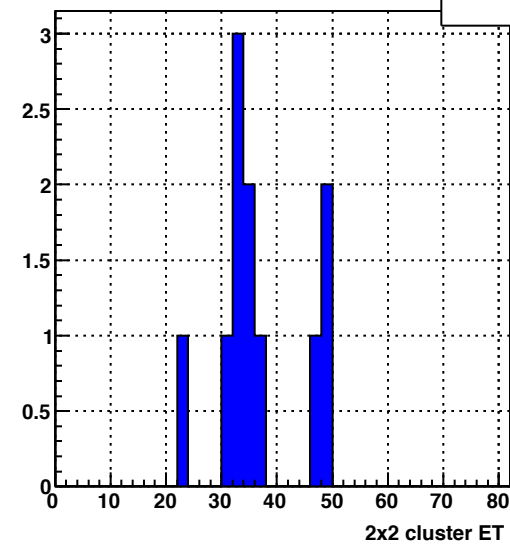
Final W prim Q=P

Entries 175



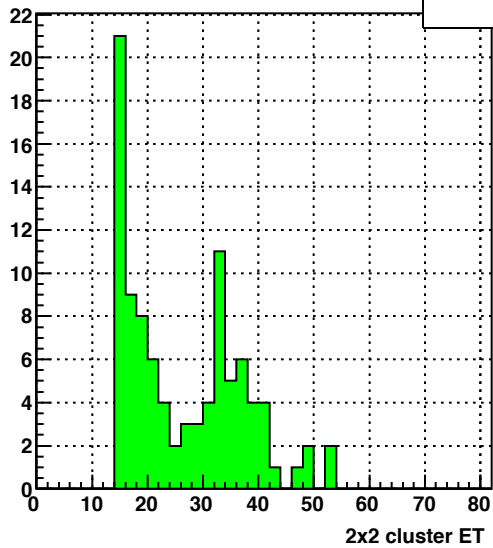
prim sign=P flip after V-refit

Entries 11



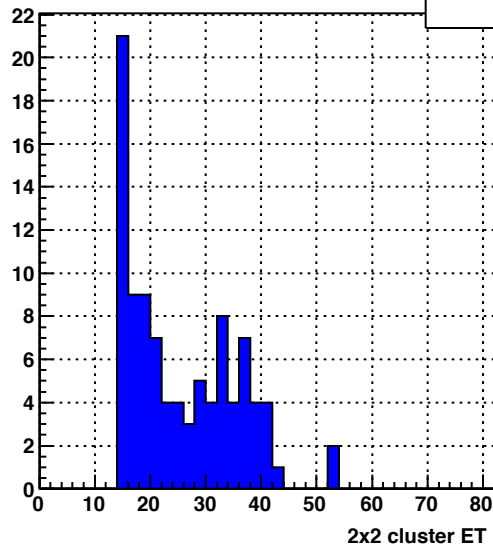
Final W glob Q=N

Entries 96



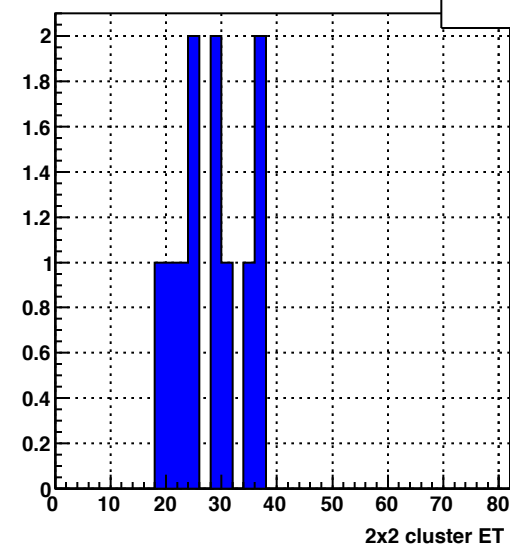
Final W prim Q=N

Entries 96

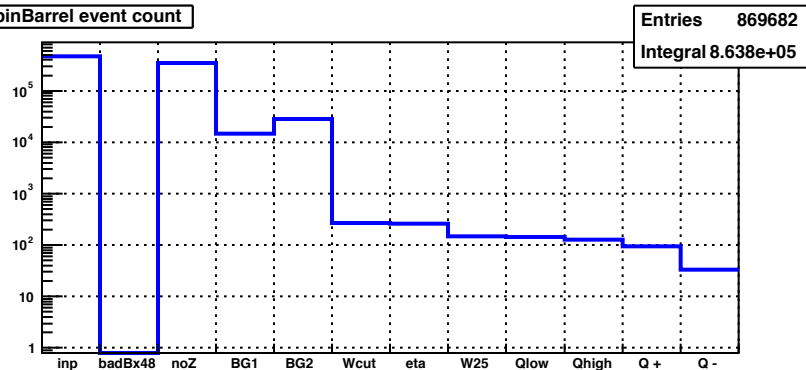


prim sign=N flip after V-refit

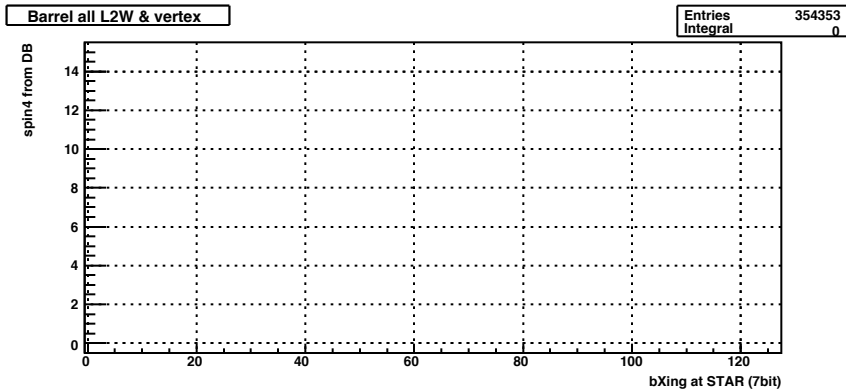
Entries 11



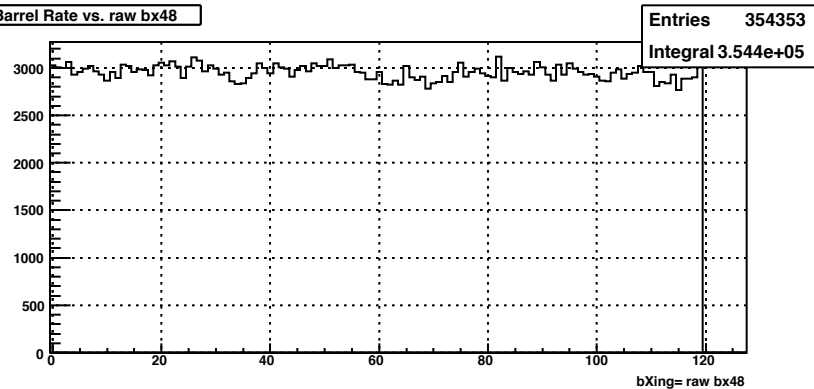
AspinBarrel event count



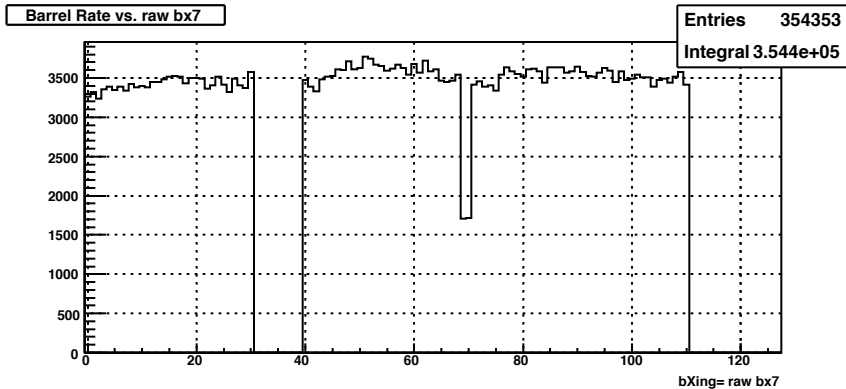
Barrel all L2W & vertex



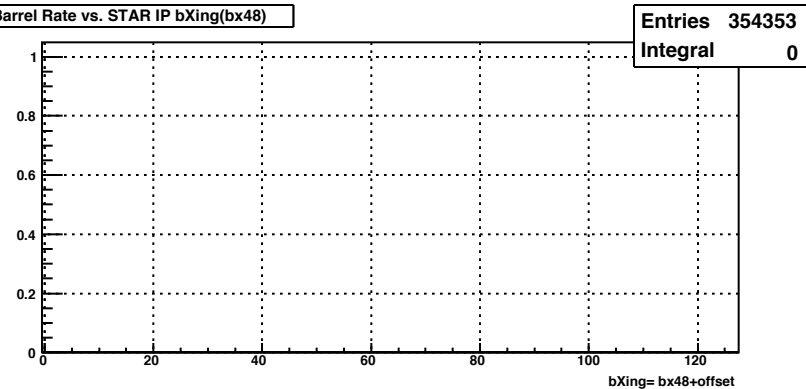
Barrel Rate vs. raw bx48



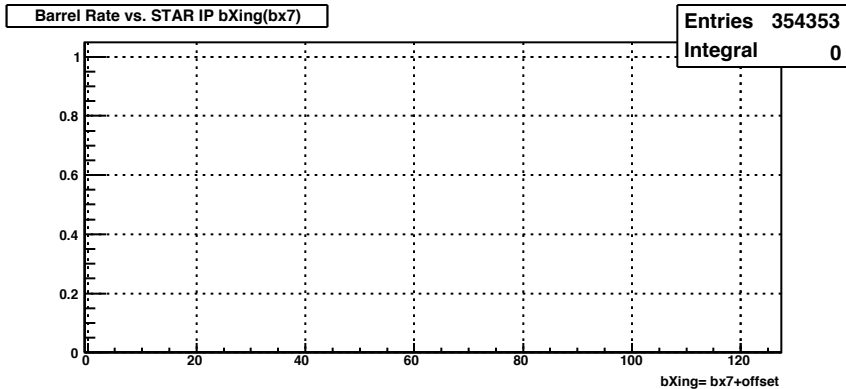
Barrel Rate vs. raw bx7



Barrel Rate vs. STAR IP bXing(bx48)



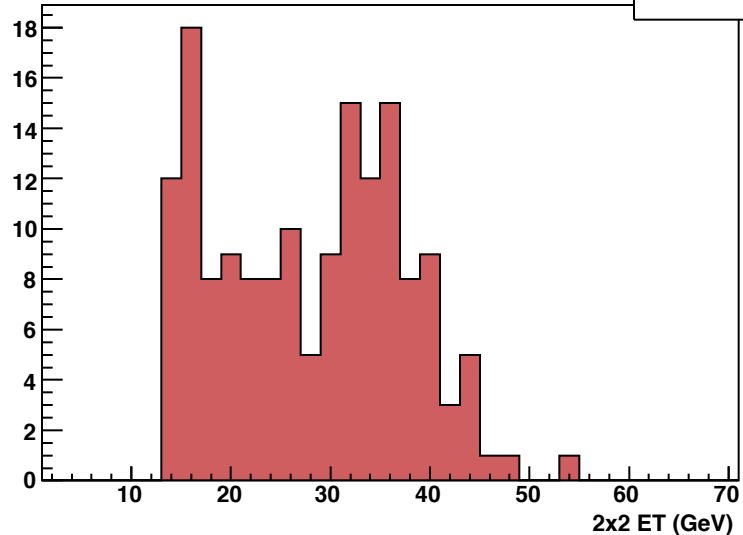
Barrel Rate vs. STAR IP bXing(bx7)



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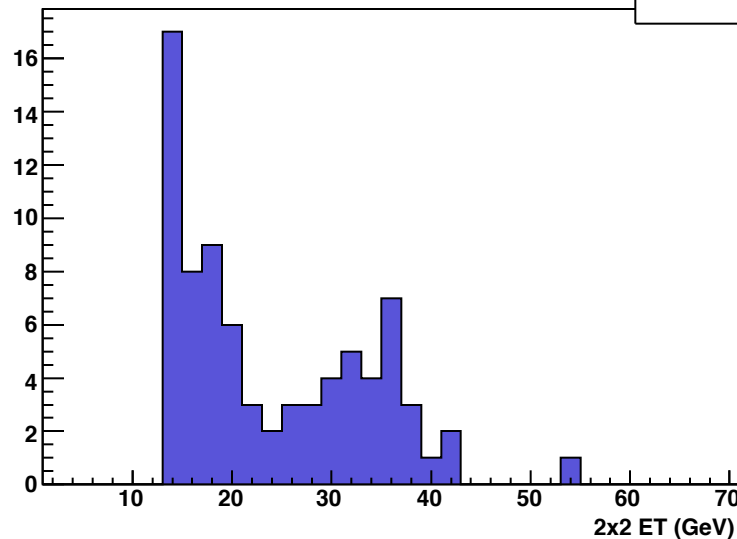
Final Barrel W, charge=P : Eta7

Entries 157



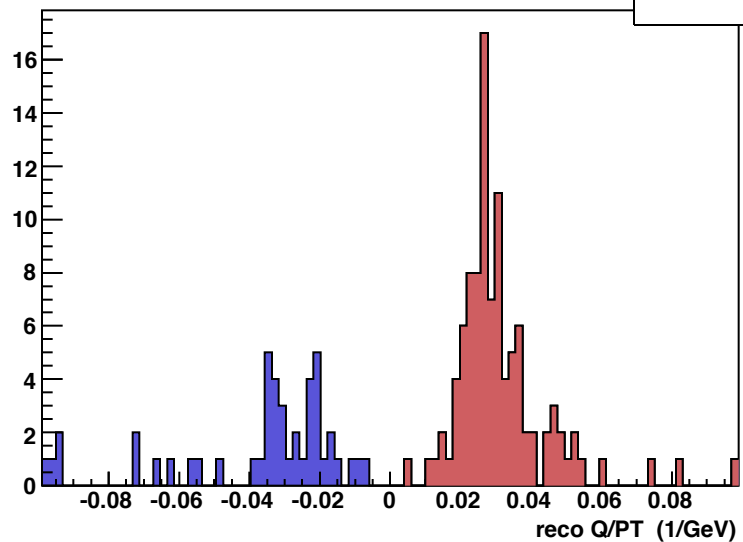
Final Barrel W, charge=N : Eta7

Entries 78



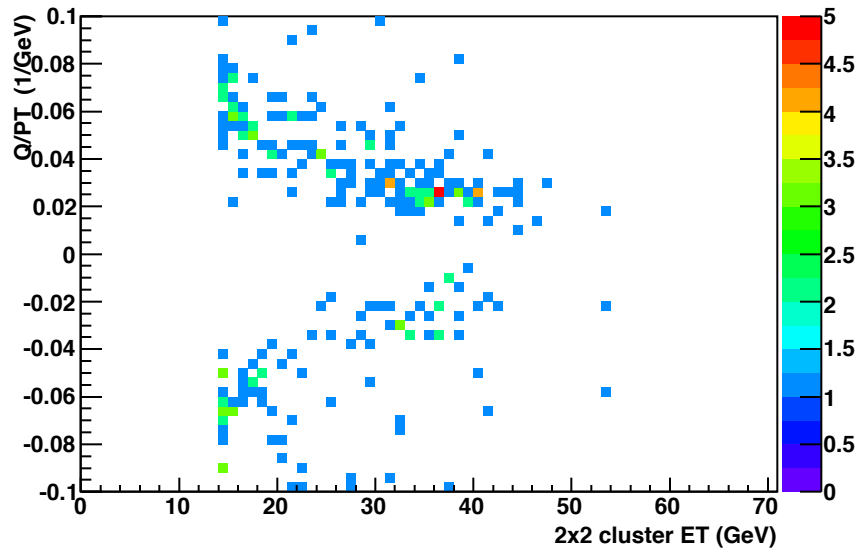
Barrel W ET>25 GeV

Entries 147



Barrel TPC PRIM Q/PT

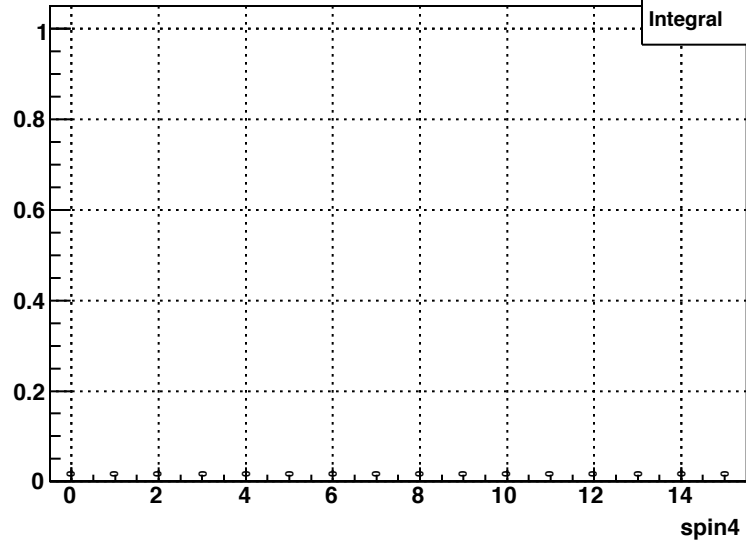
Entries 262



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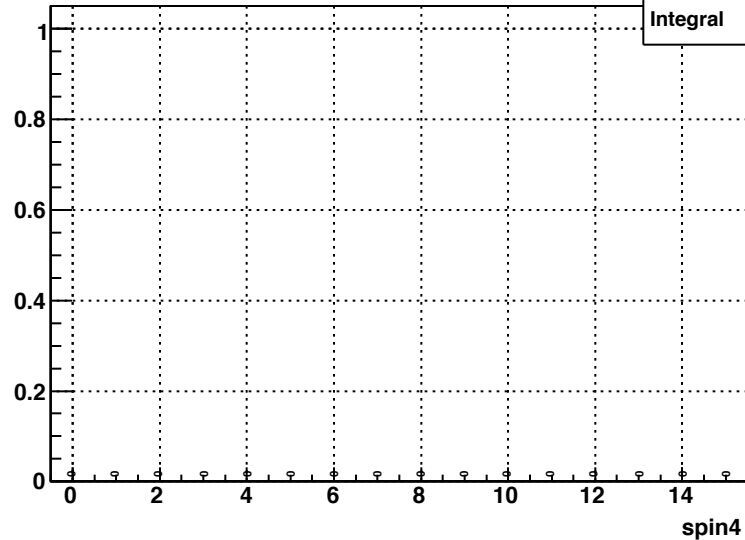
Barrel BG1: L2W-BHT3-rnd & vertex OK & low ET

Entries 14947
Integral 0



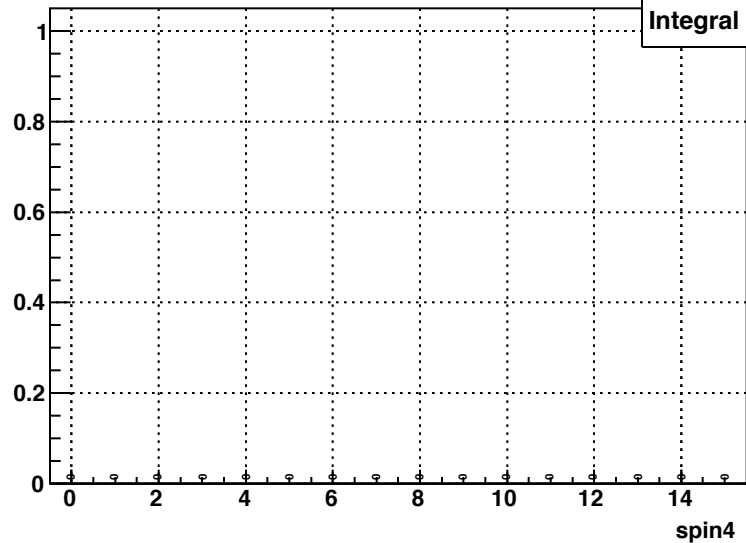
Barrel BG2: vertex & ET<20 & ET 2x2 << 4x4 : Eta7

Entries 28722
Integral 0



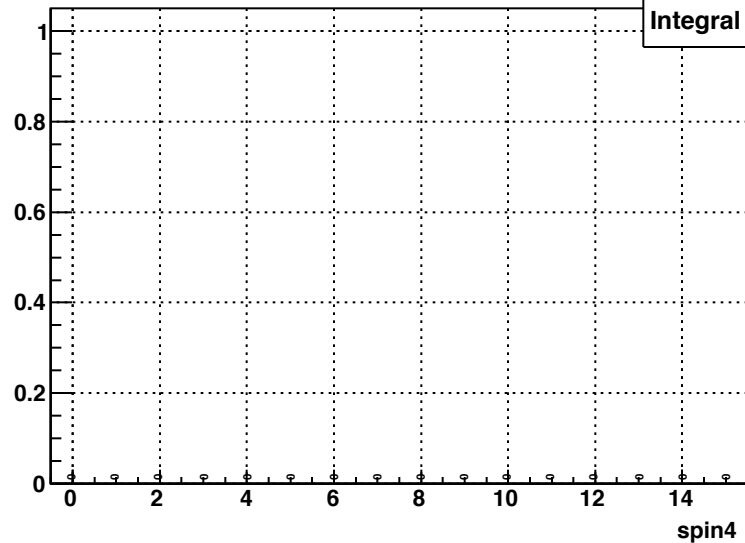
Final Barrel W Q=P, 2x2 ET=[25,50]GeV : Eta7

Entries 93
Integral 0



Final Barrel W Q=N, 2x2 ET=[25,50]GeV : Eta7

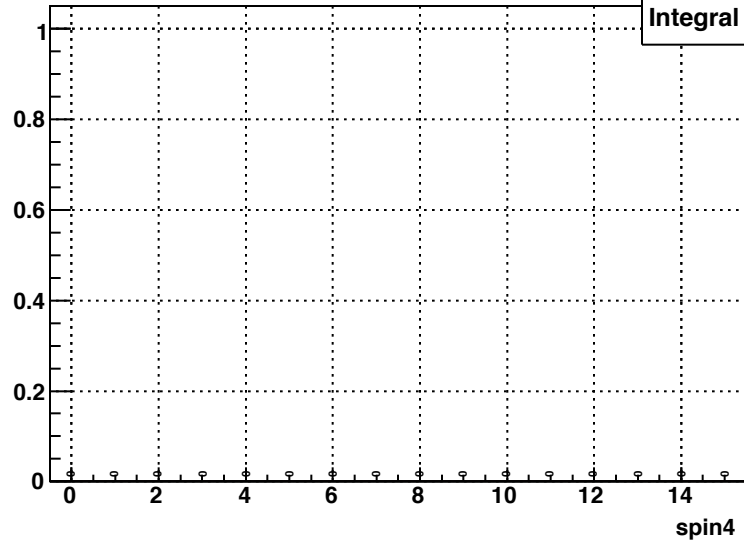
Entries 32
Integral 0



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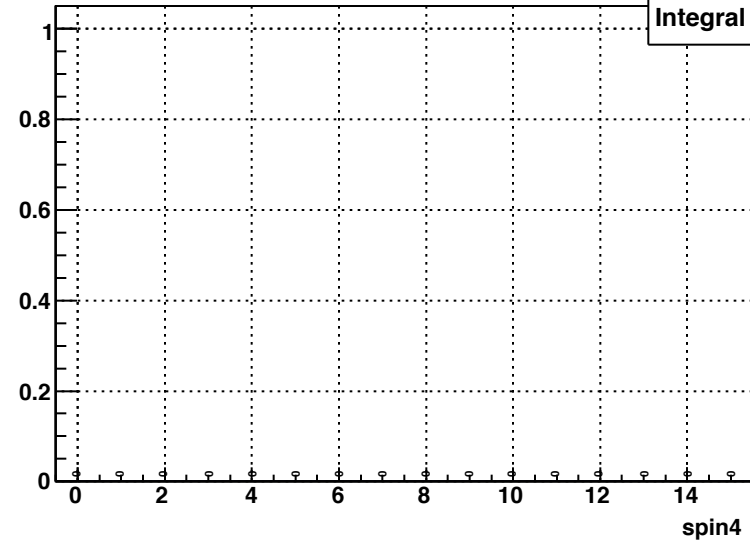
Final Barrel W Q=P, 2x2 ET=[32,44]GeV : Eta7

Entries 54
Integral 0



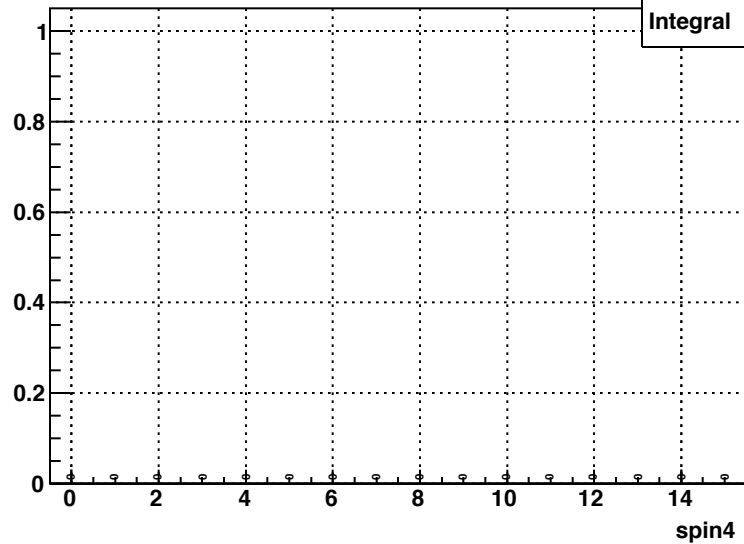
Final Barrel W Q=N, 2x2 ET=[32,44]GeV : Eta7

Entries 20
Integral 0



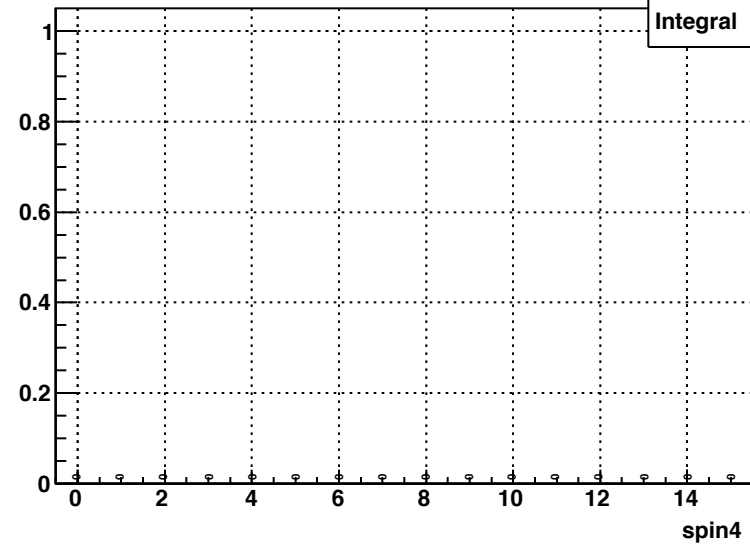
Final Barrel QCD Q=P, 2x2 ET=[15,20]GeV : Eta7

Entries 1119
Integral 0



Final Barrel QCD Q=N, 2x2 ET=[15,20]GeV : Eta7

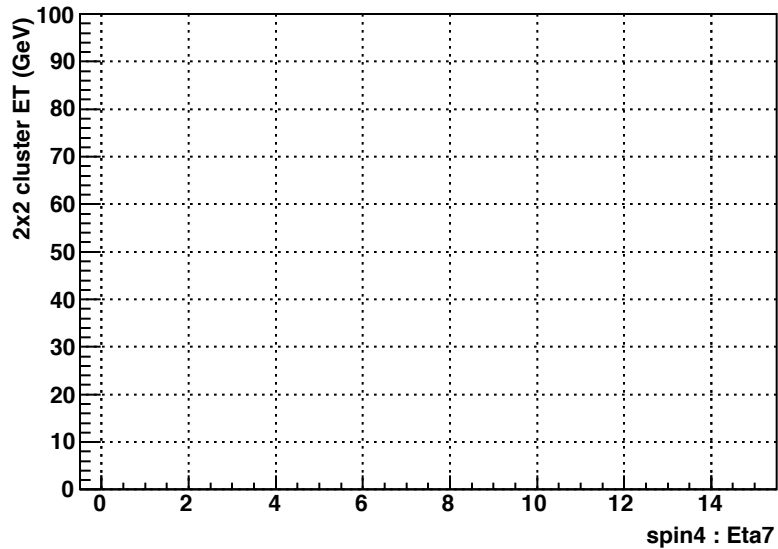
Entries 874
Integral 0



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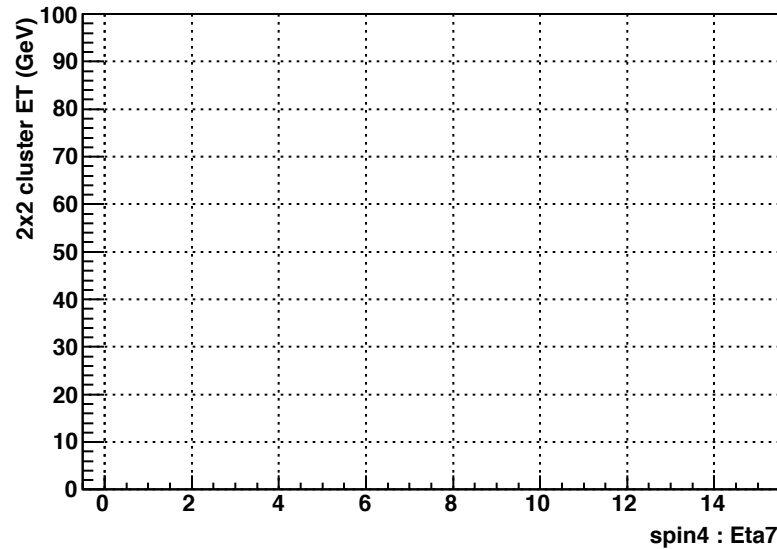
Final Barrel 2x2 ET Q=P

Entries 157



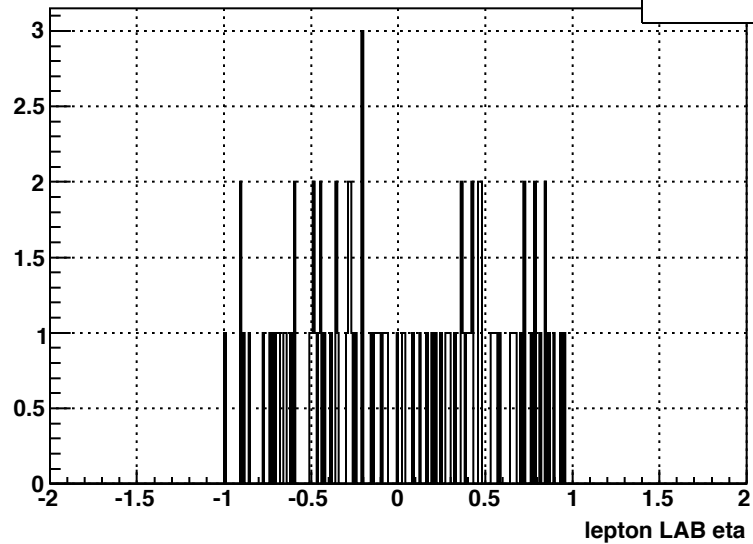
Final Barrel 2x2 ET Q=N

Entries 78



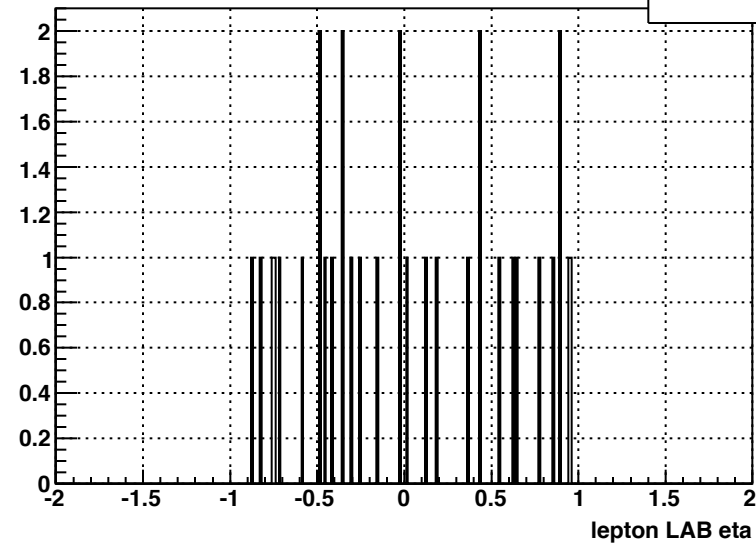
selecting Barrel Ws Q=P : Eta7

Entries 93

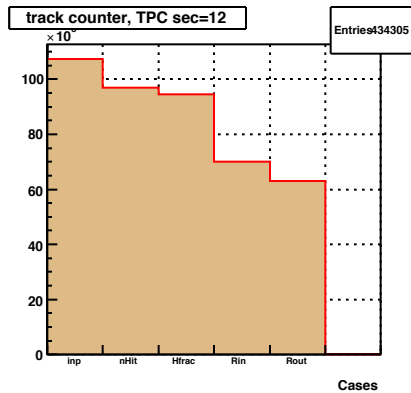
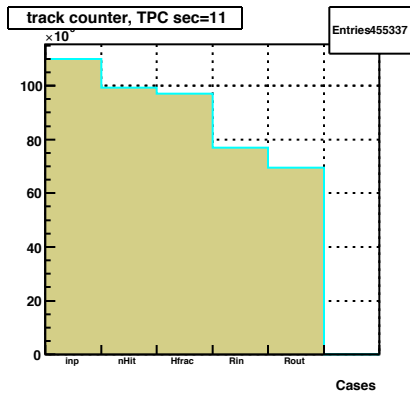
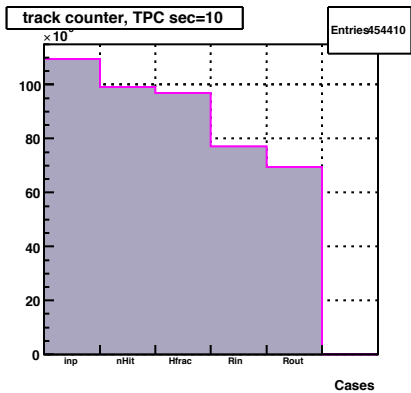
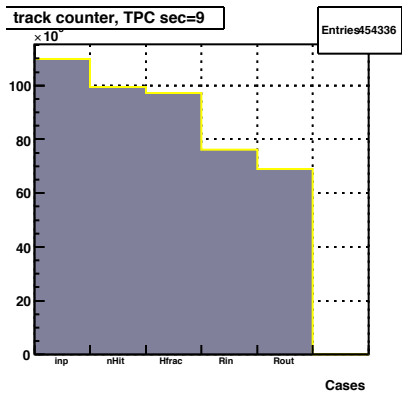
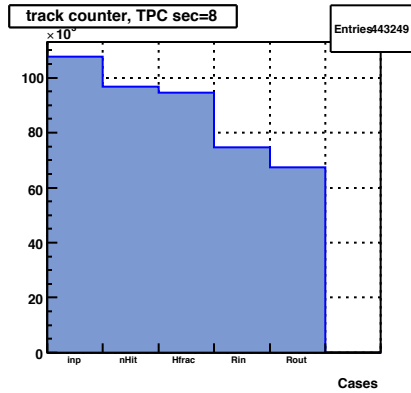
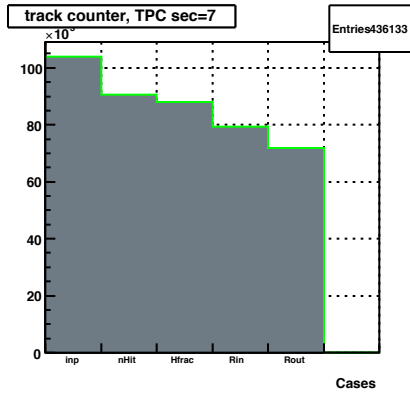
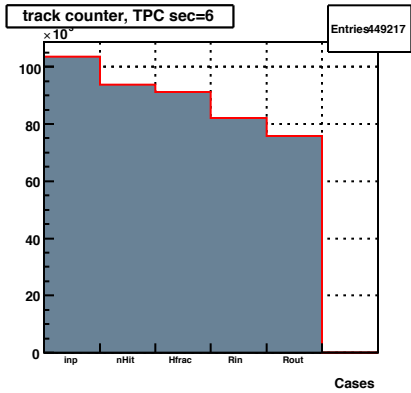
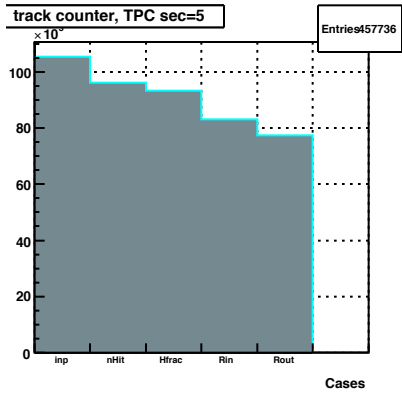
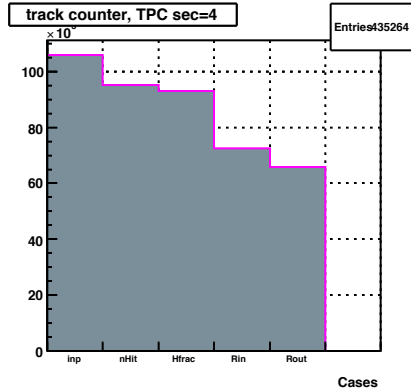
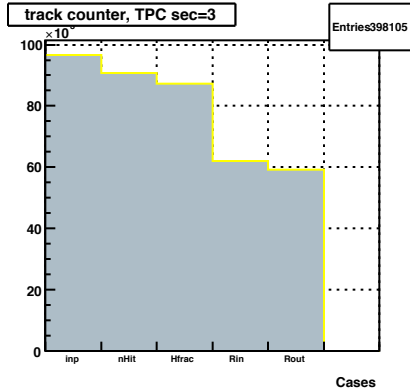
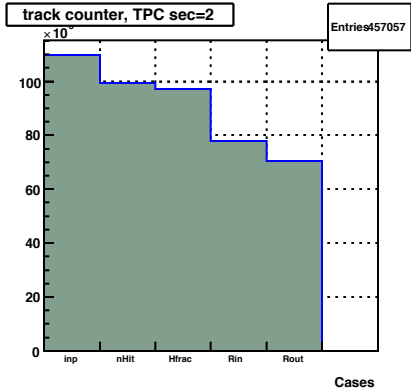
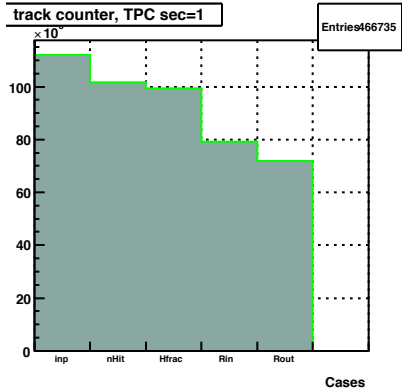


selecting Barrel Ws Q=N : Eta7

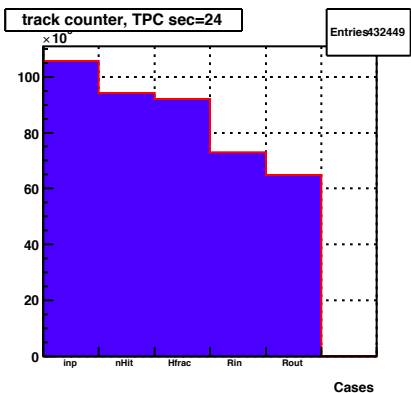
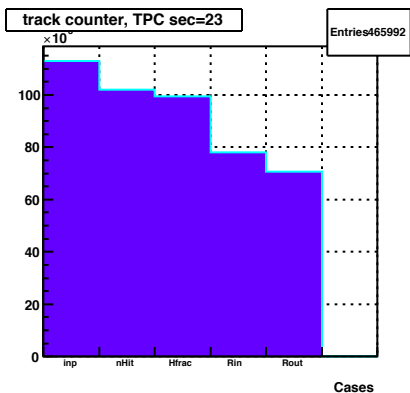
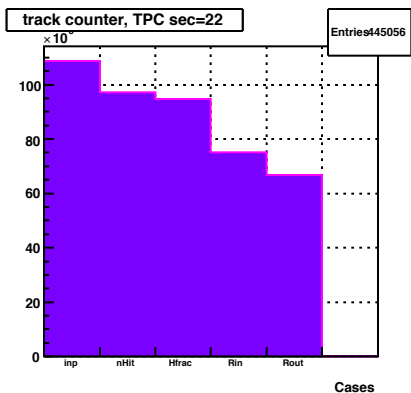
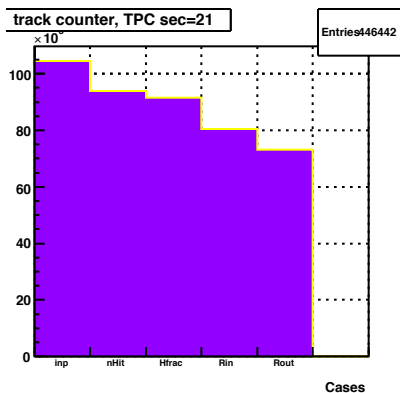
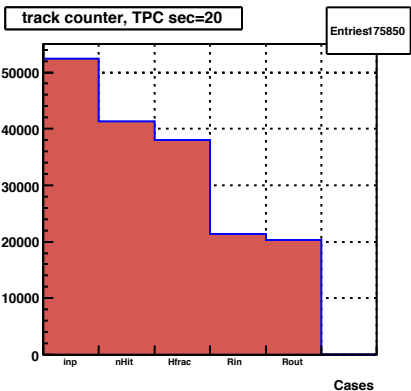
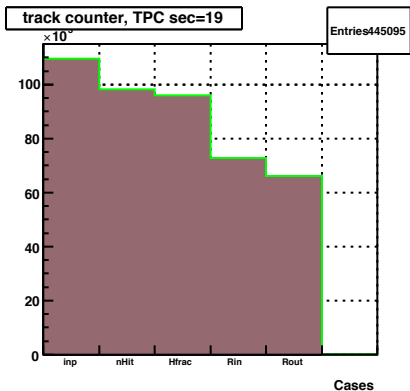
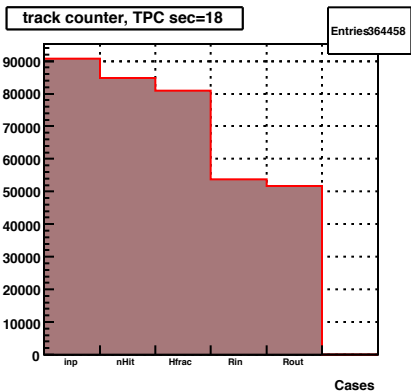
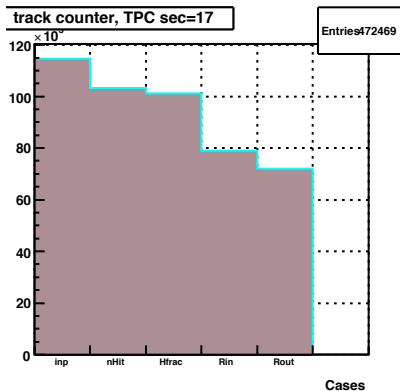
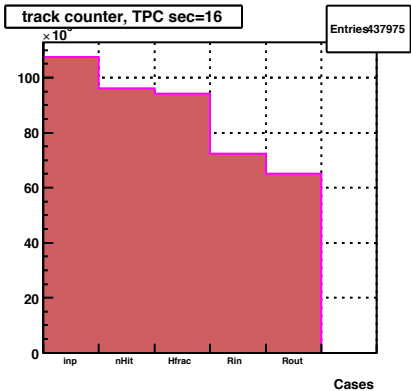
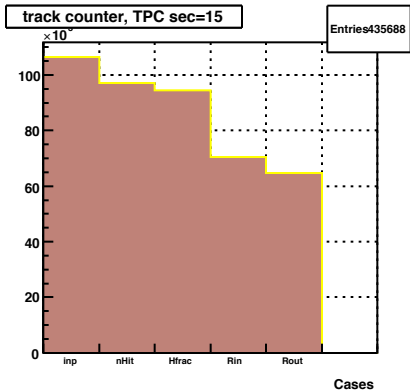
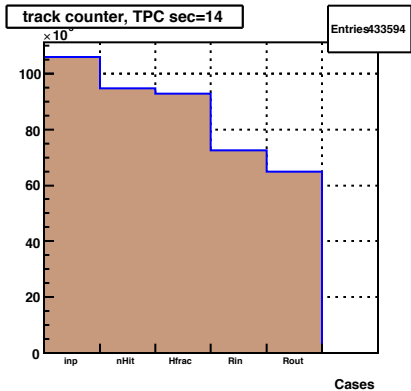
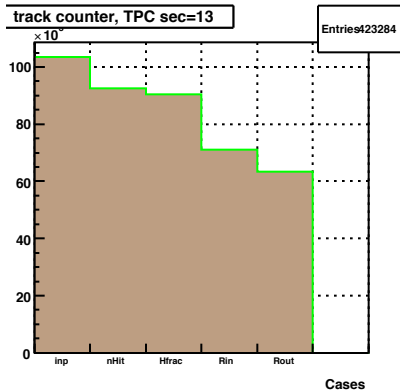
Entries 32



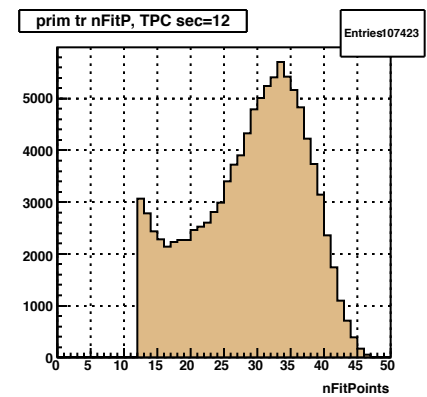
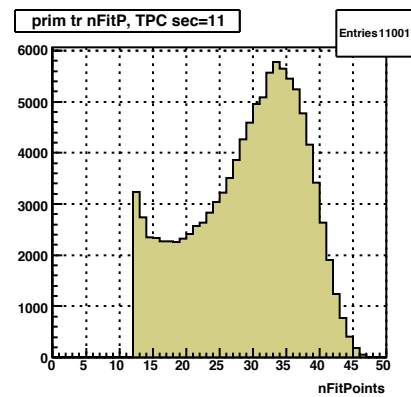
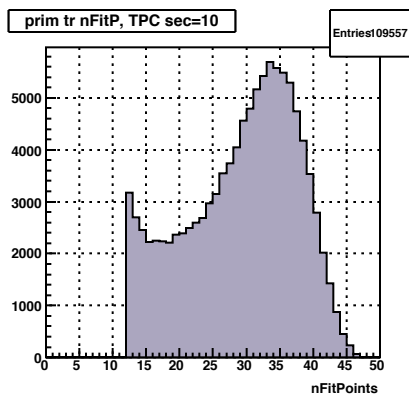
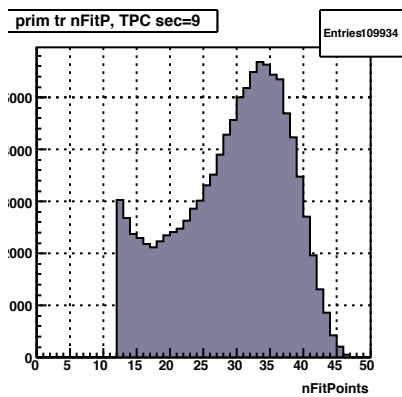
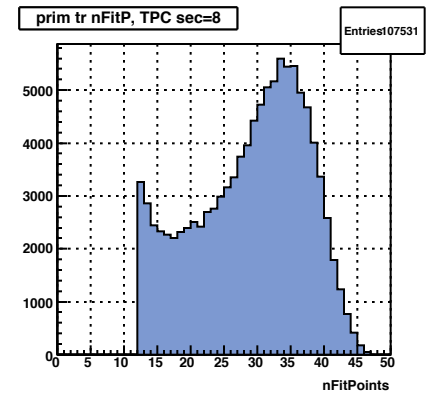
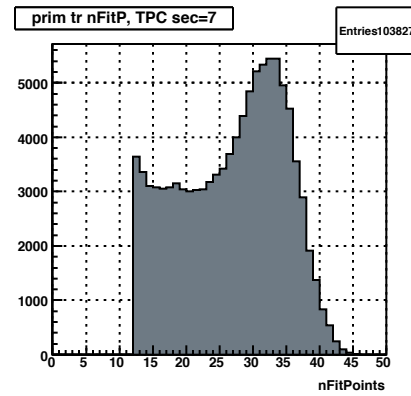
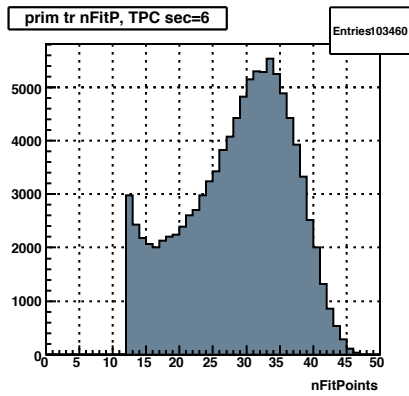
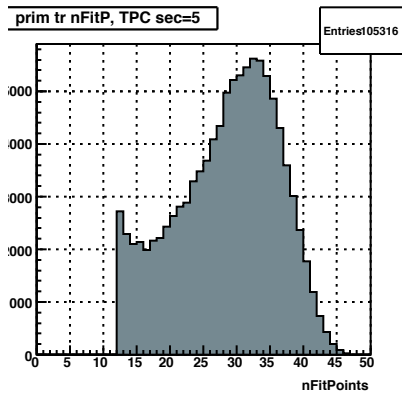
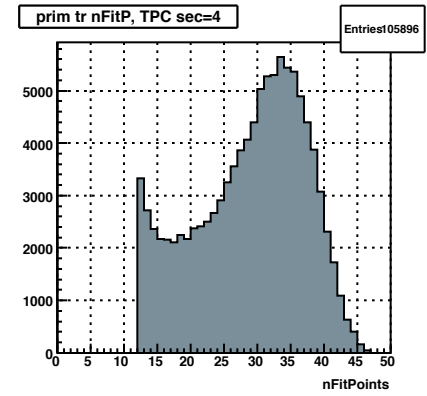
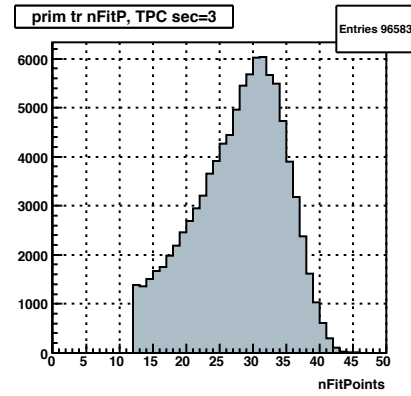
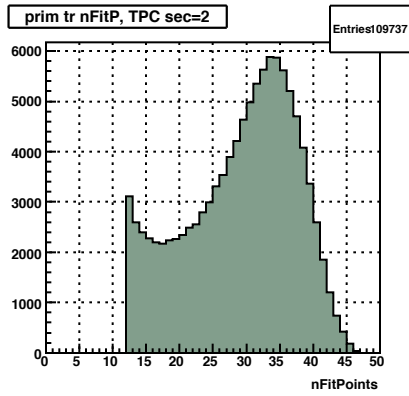
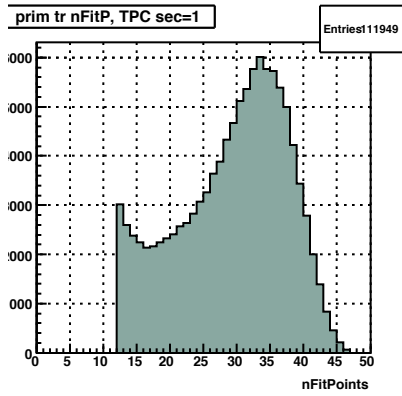
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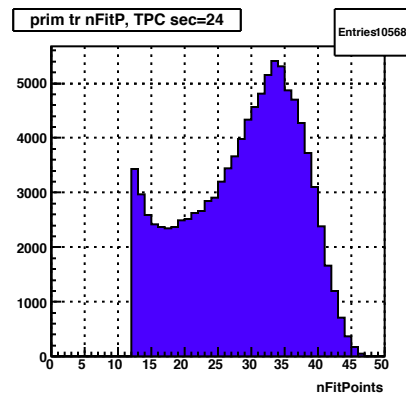
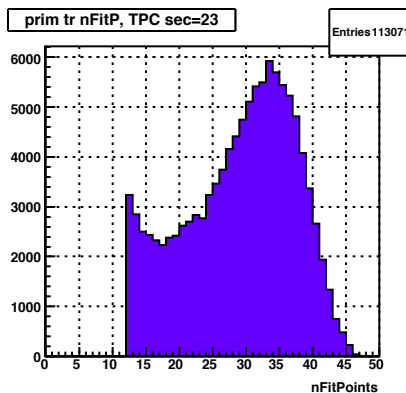
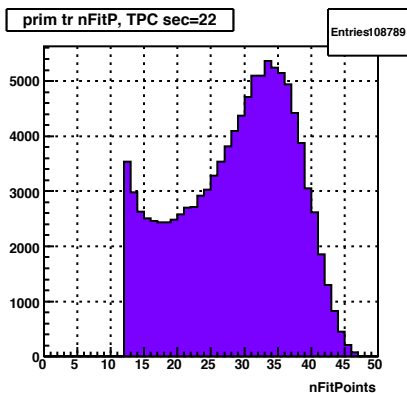
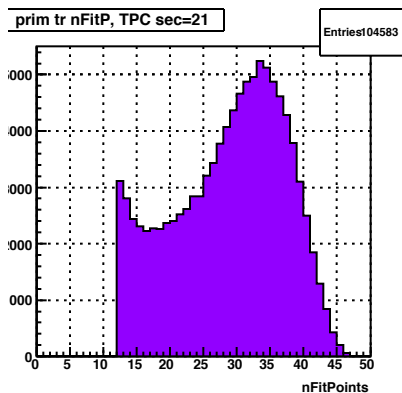
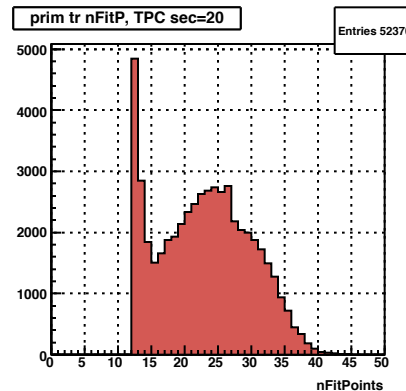
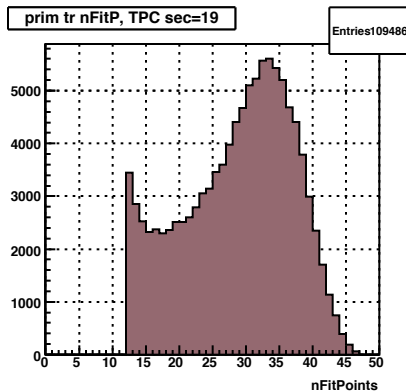
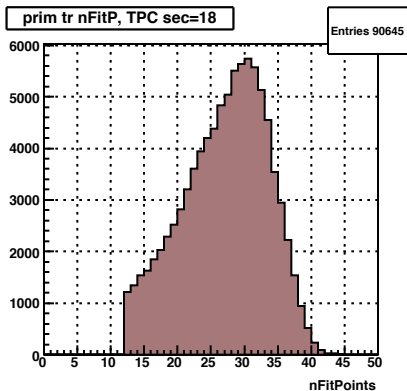
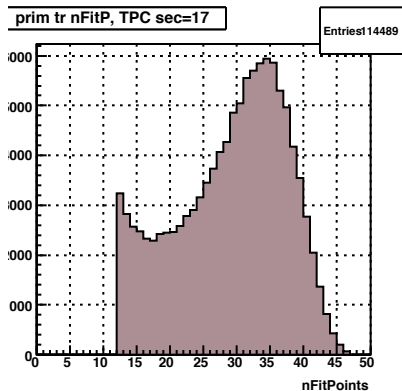
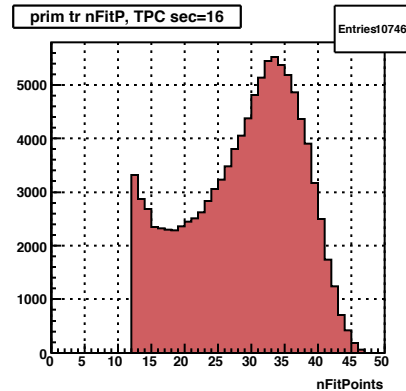
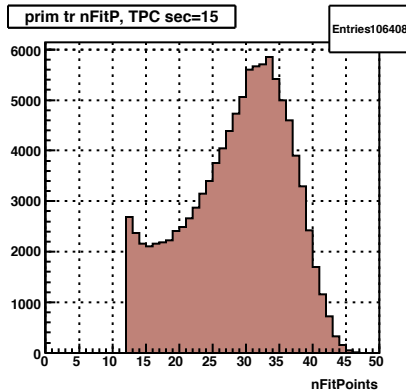
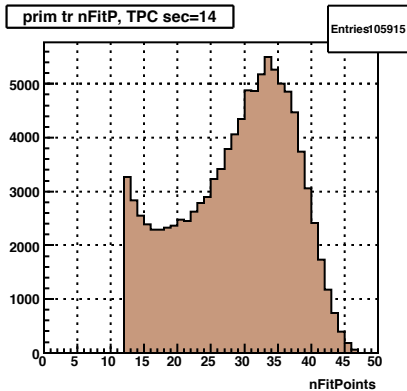
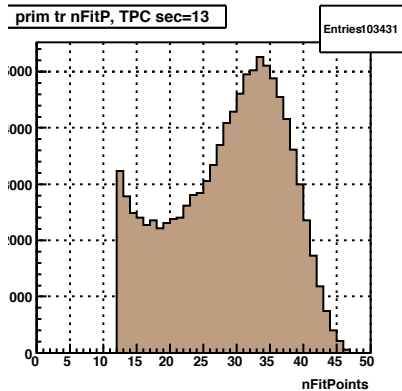
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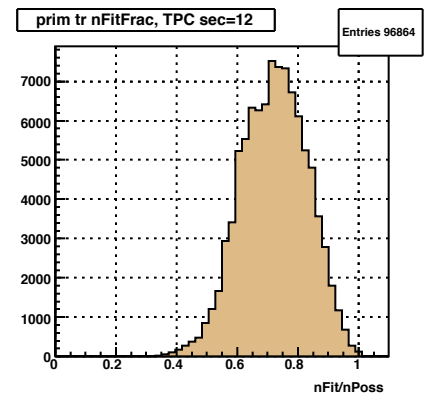
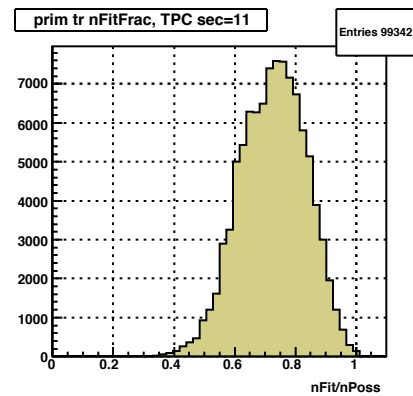
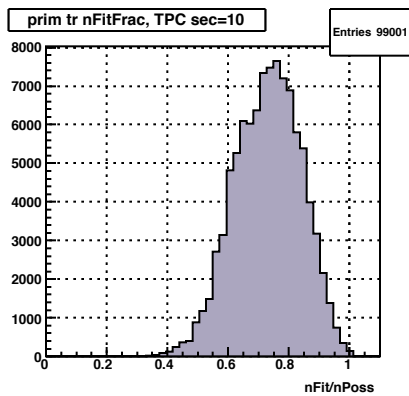
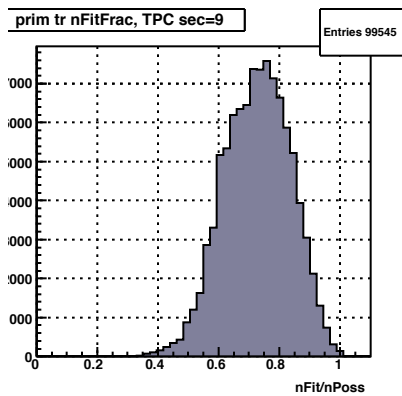
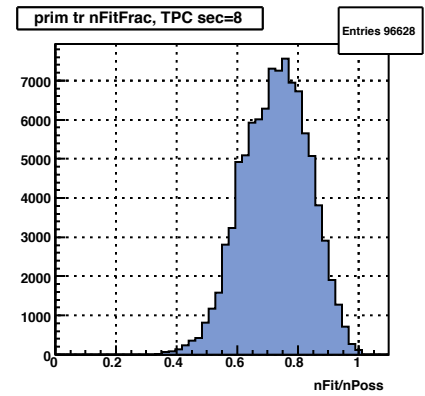
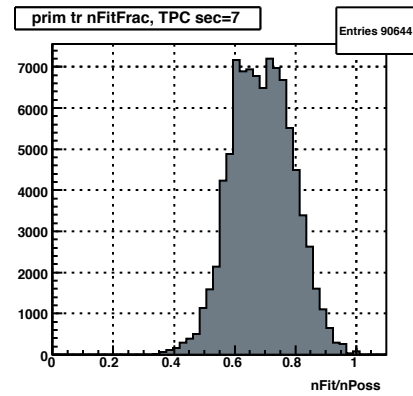
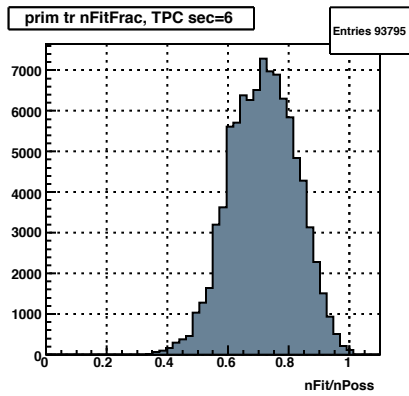
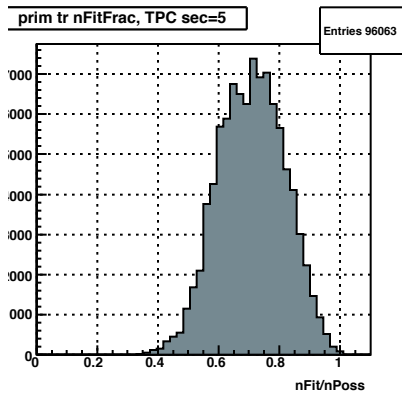
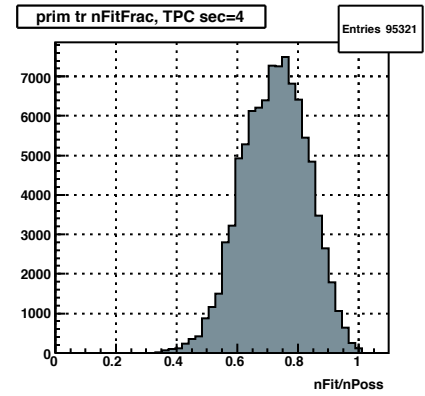
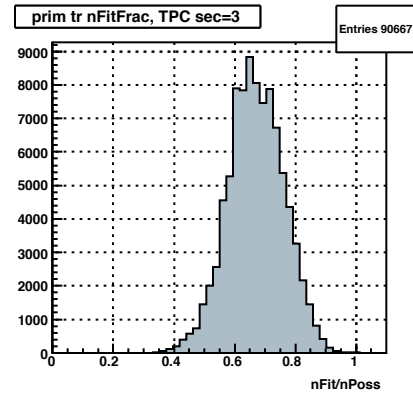
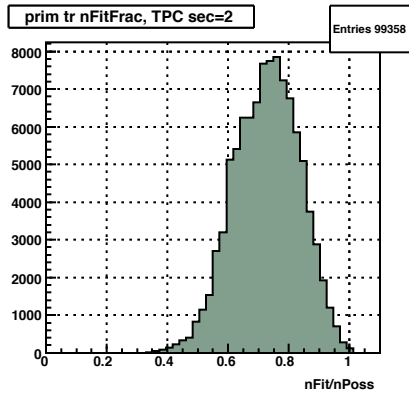
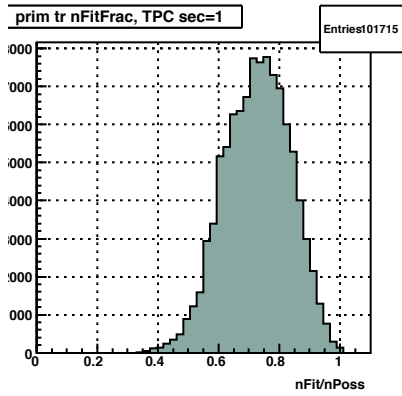
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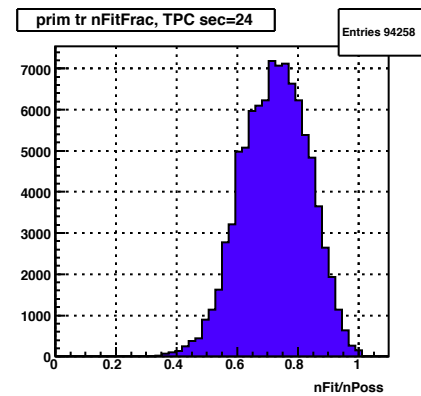
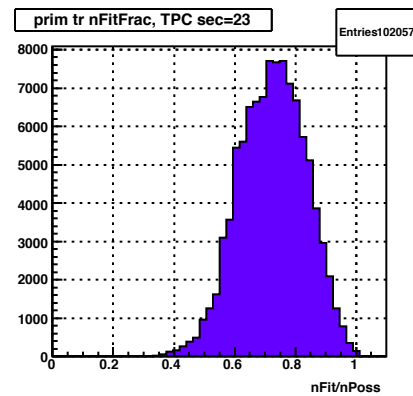
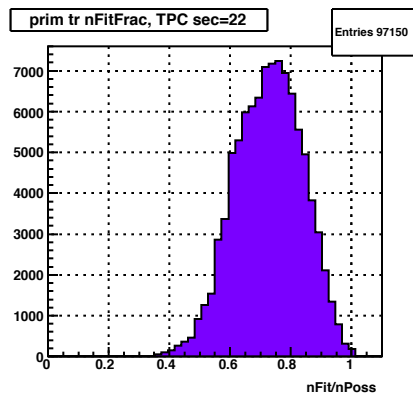
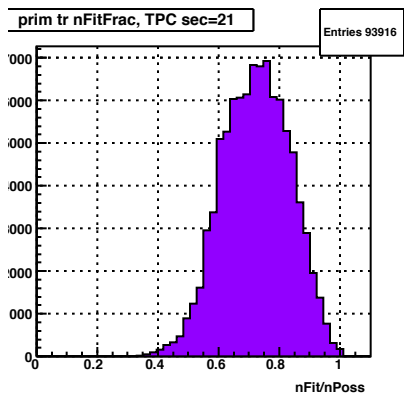
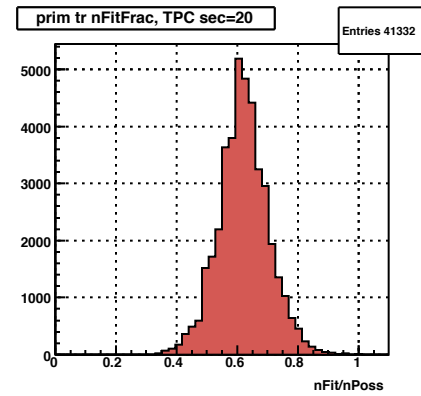
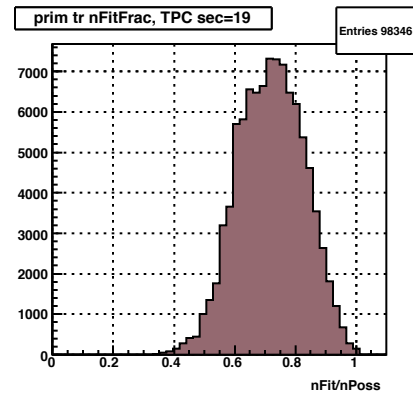
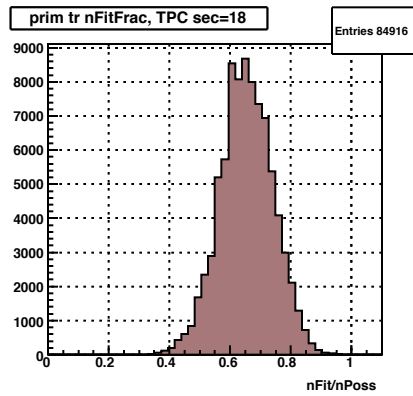
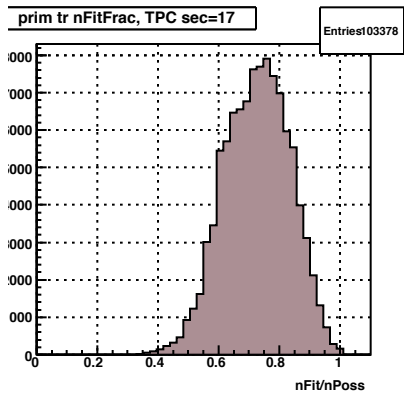
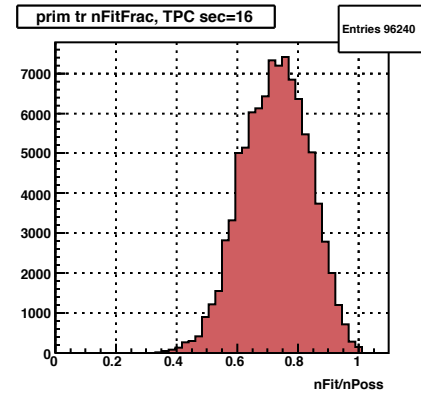
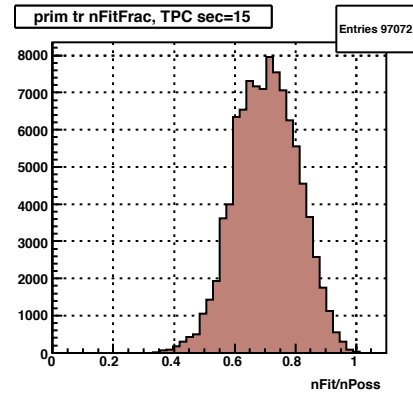
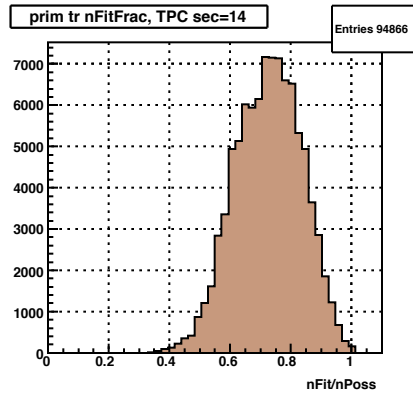
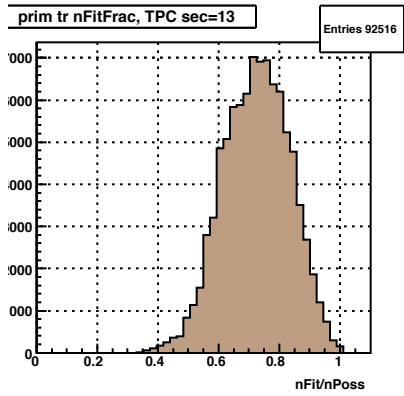
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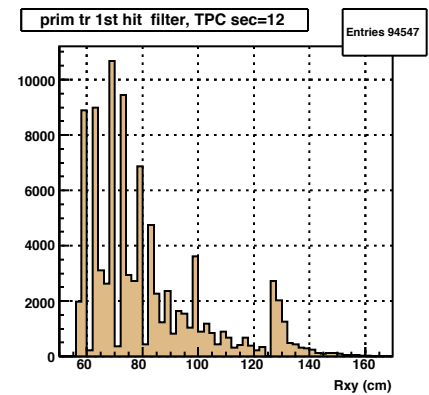
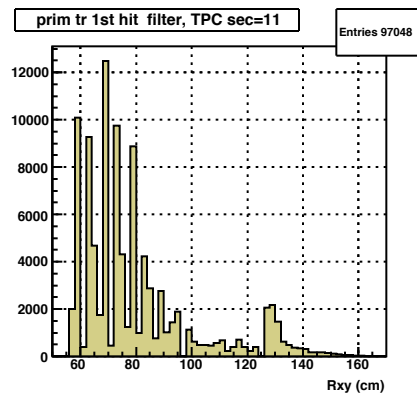
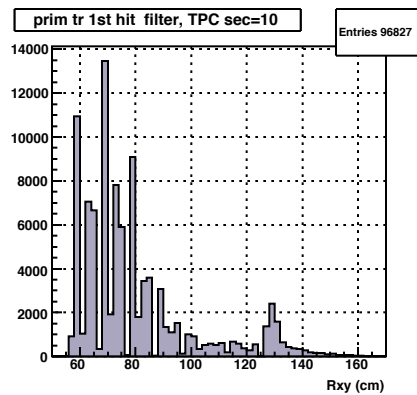
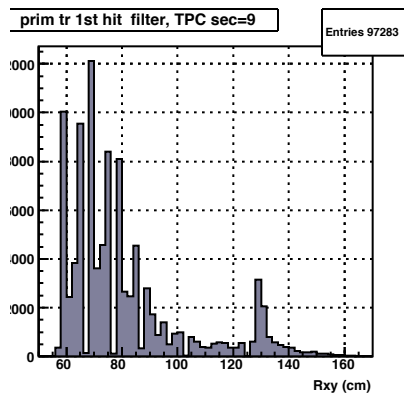
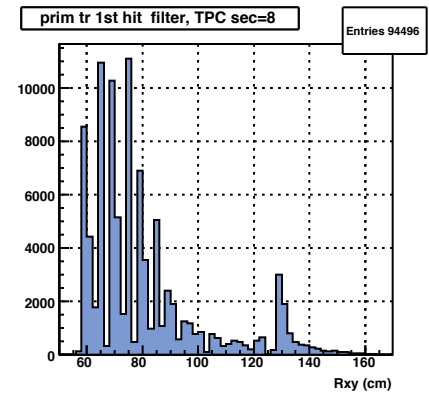
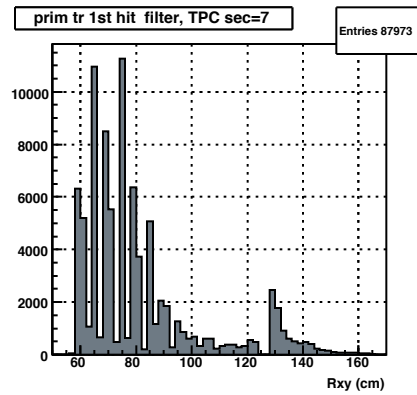
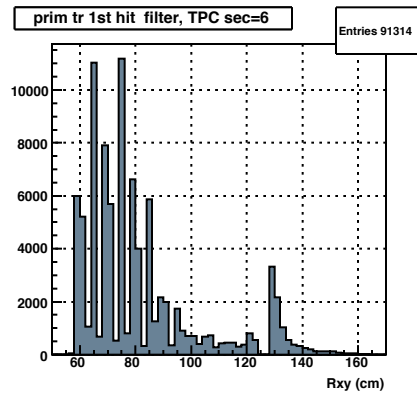
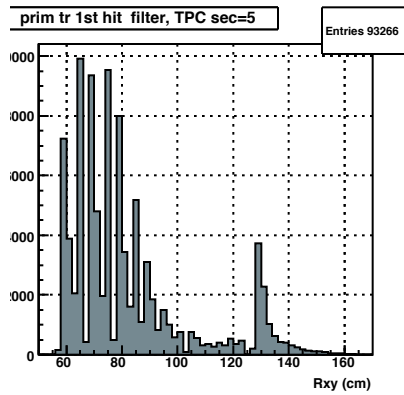
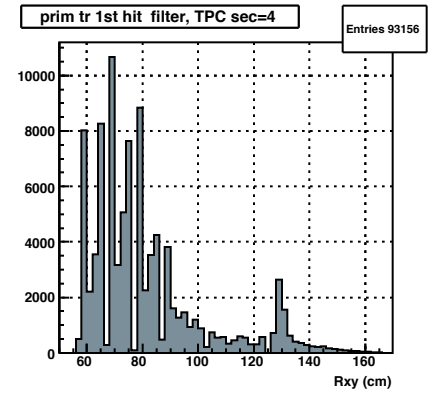
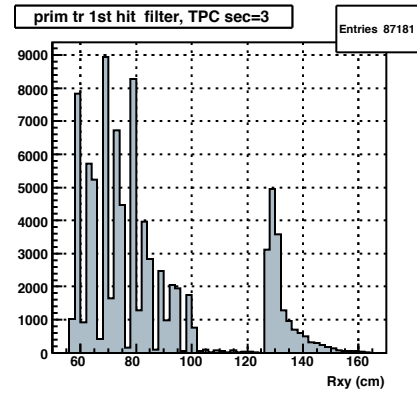
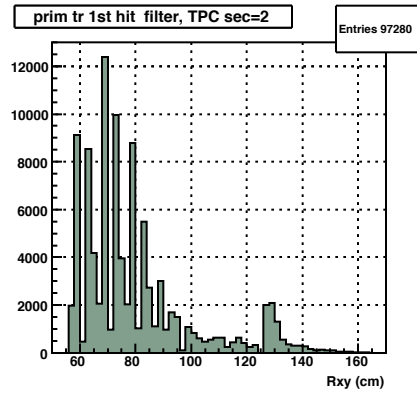
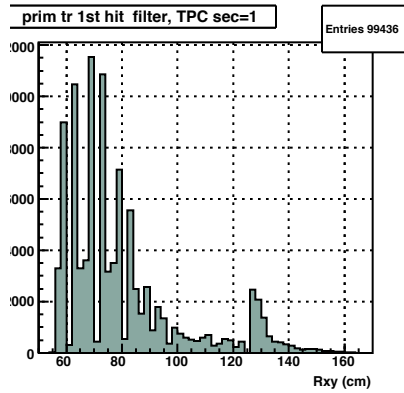
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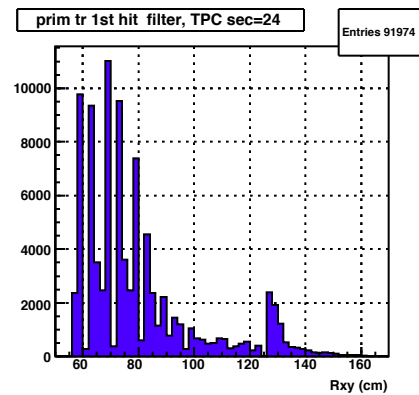
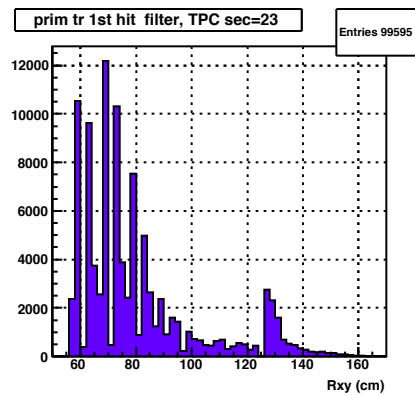
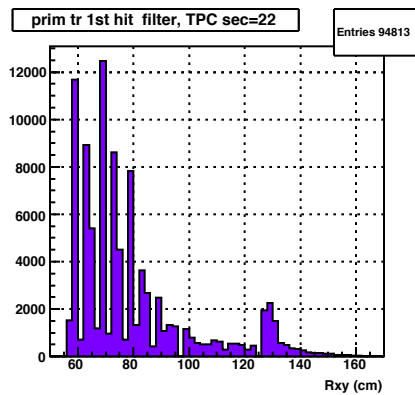
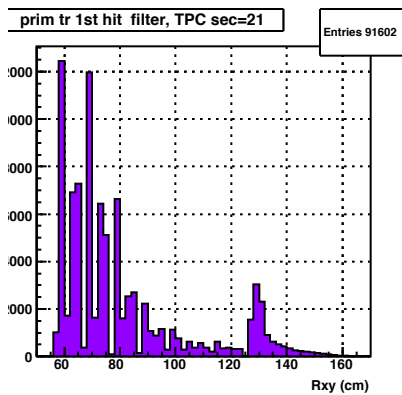
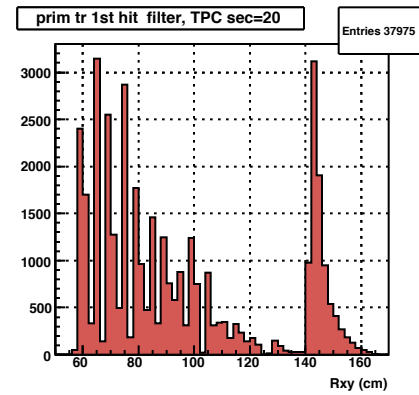
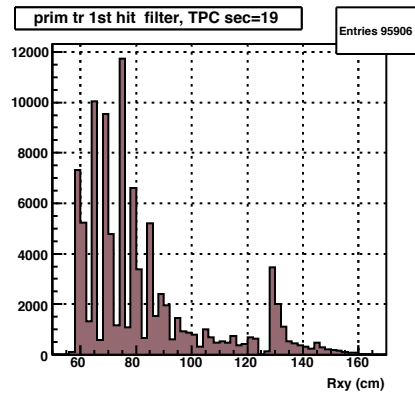
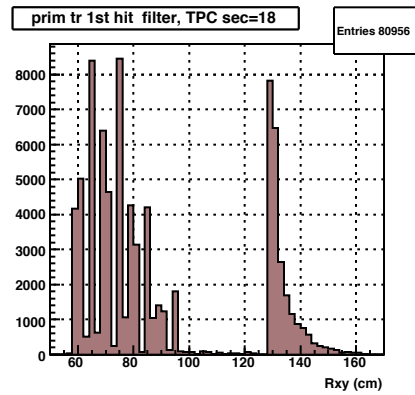
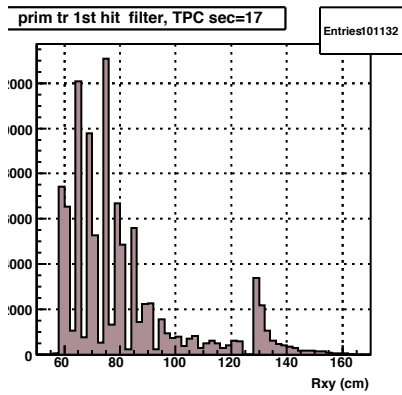
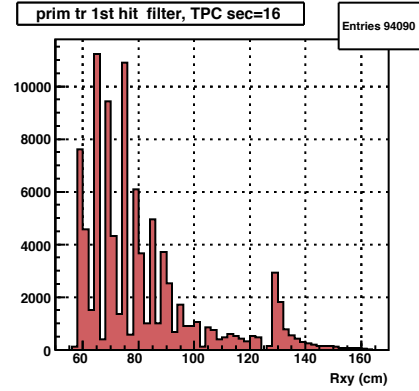
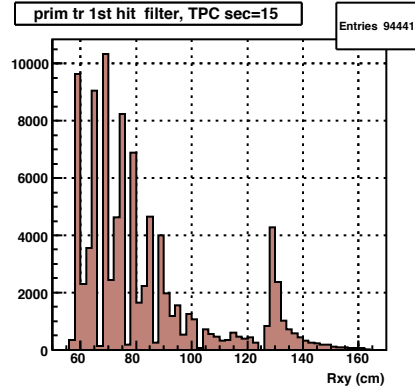
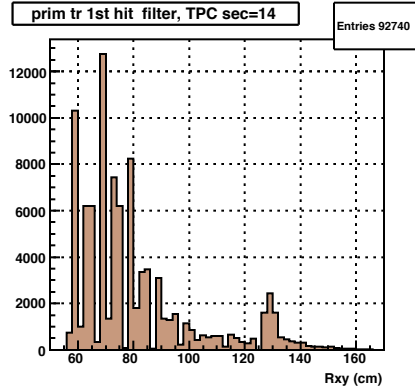
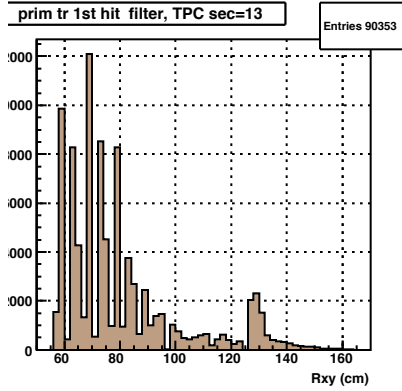
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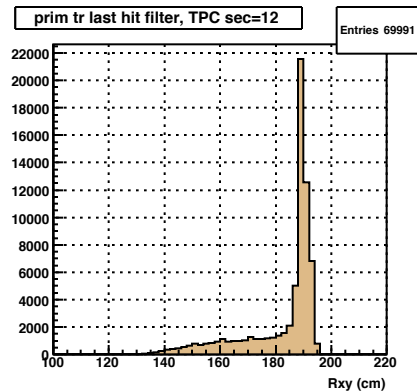
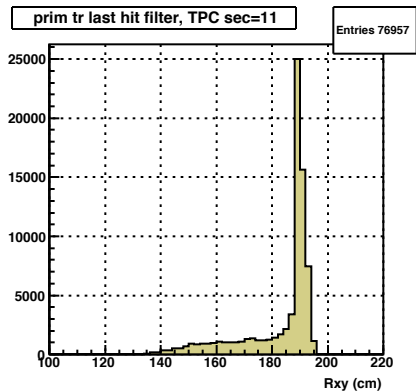
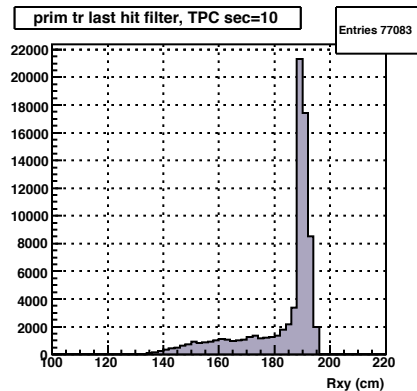
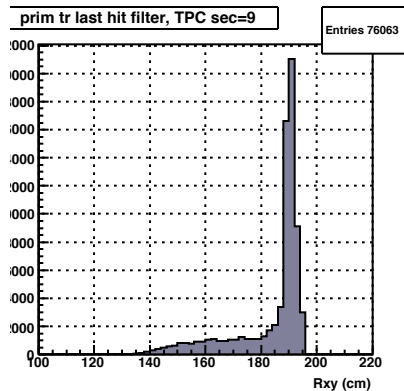
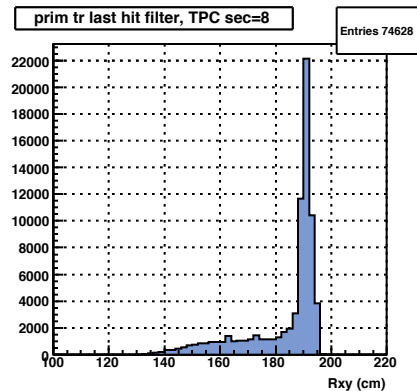
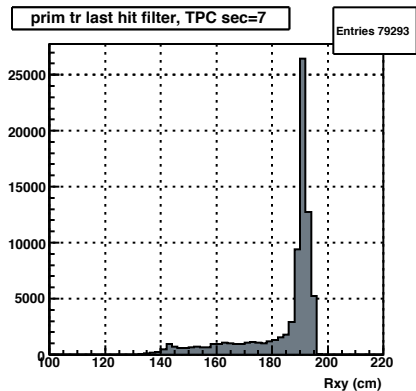
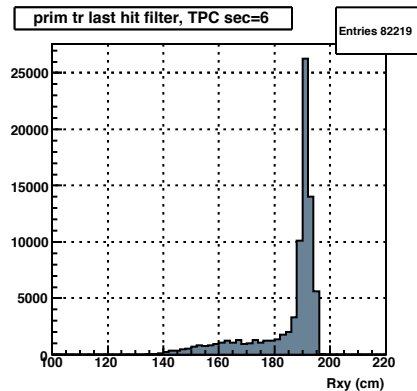
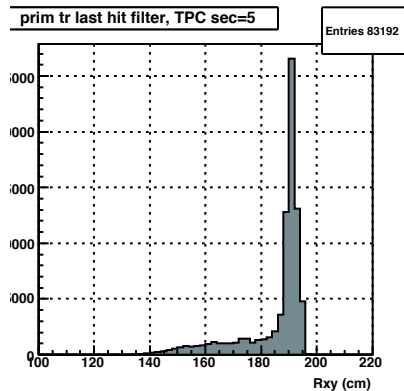
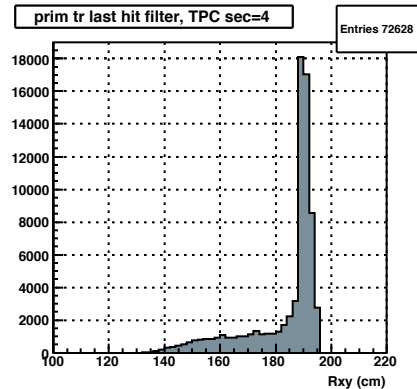
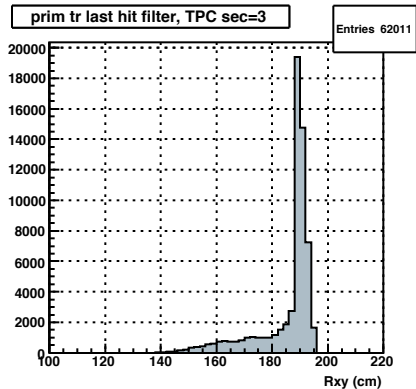
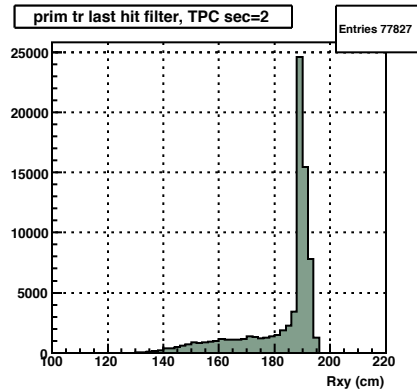
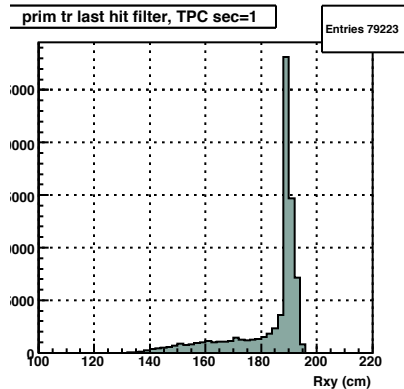
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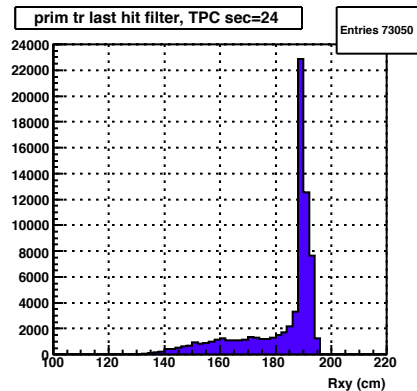
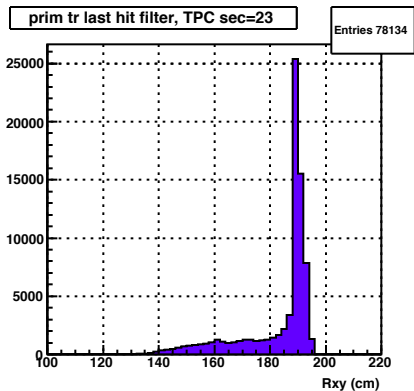
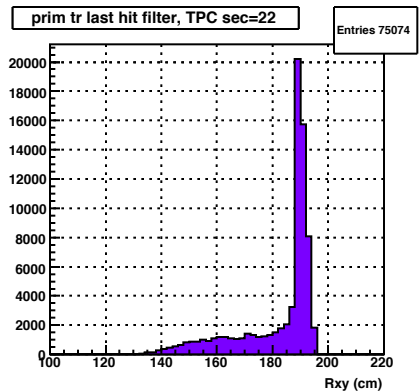
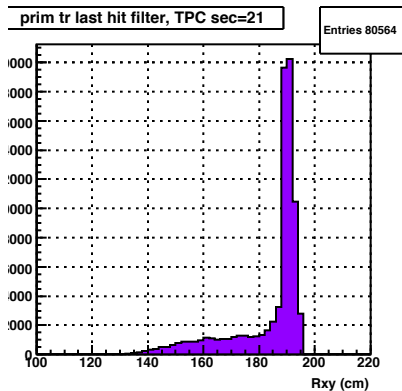
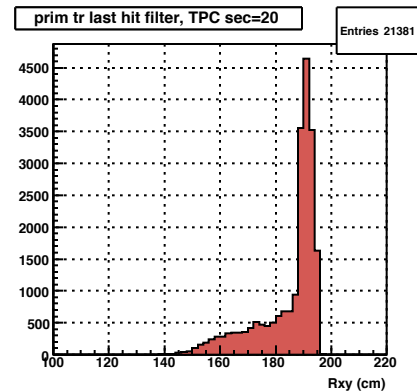
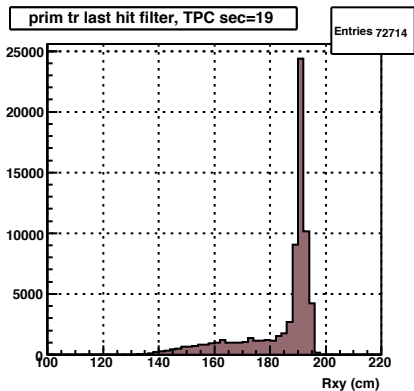
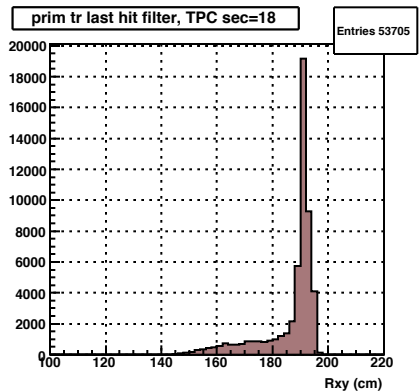
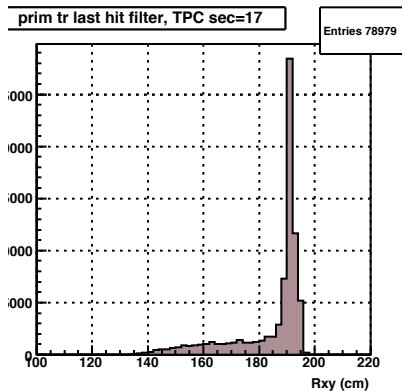
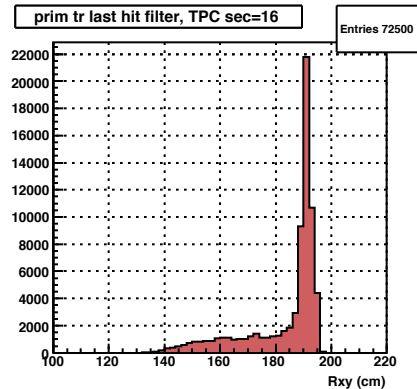
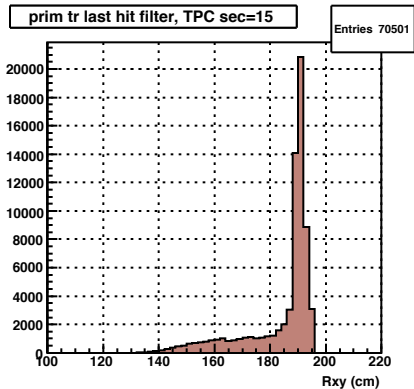
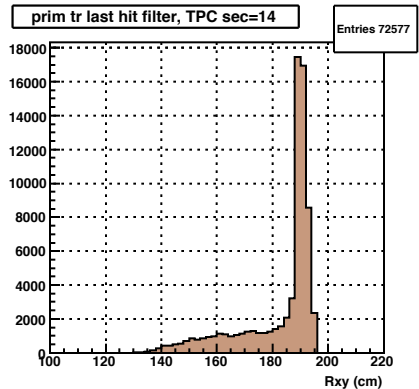
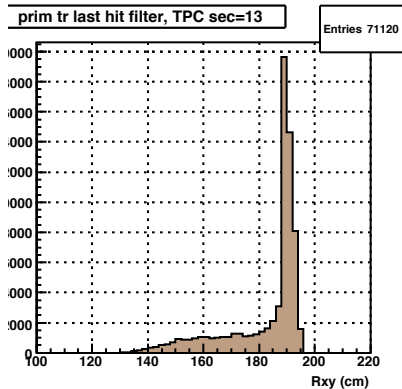
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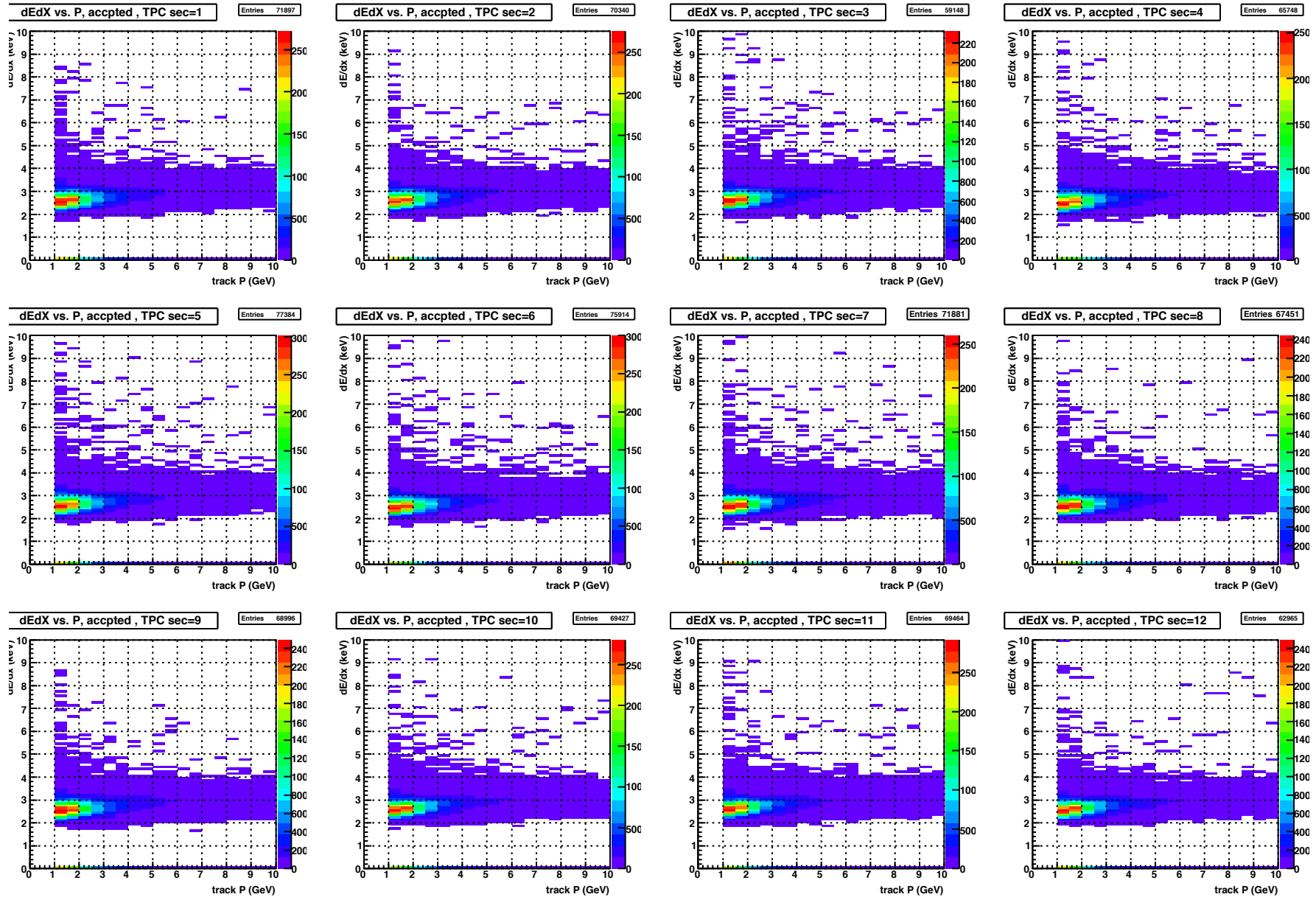


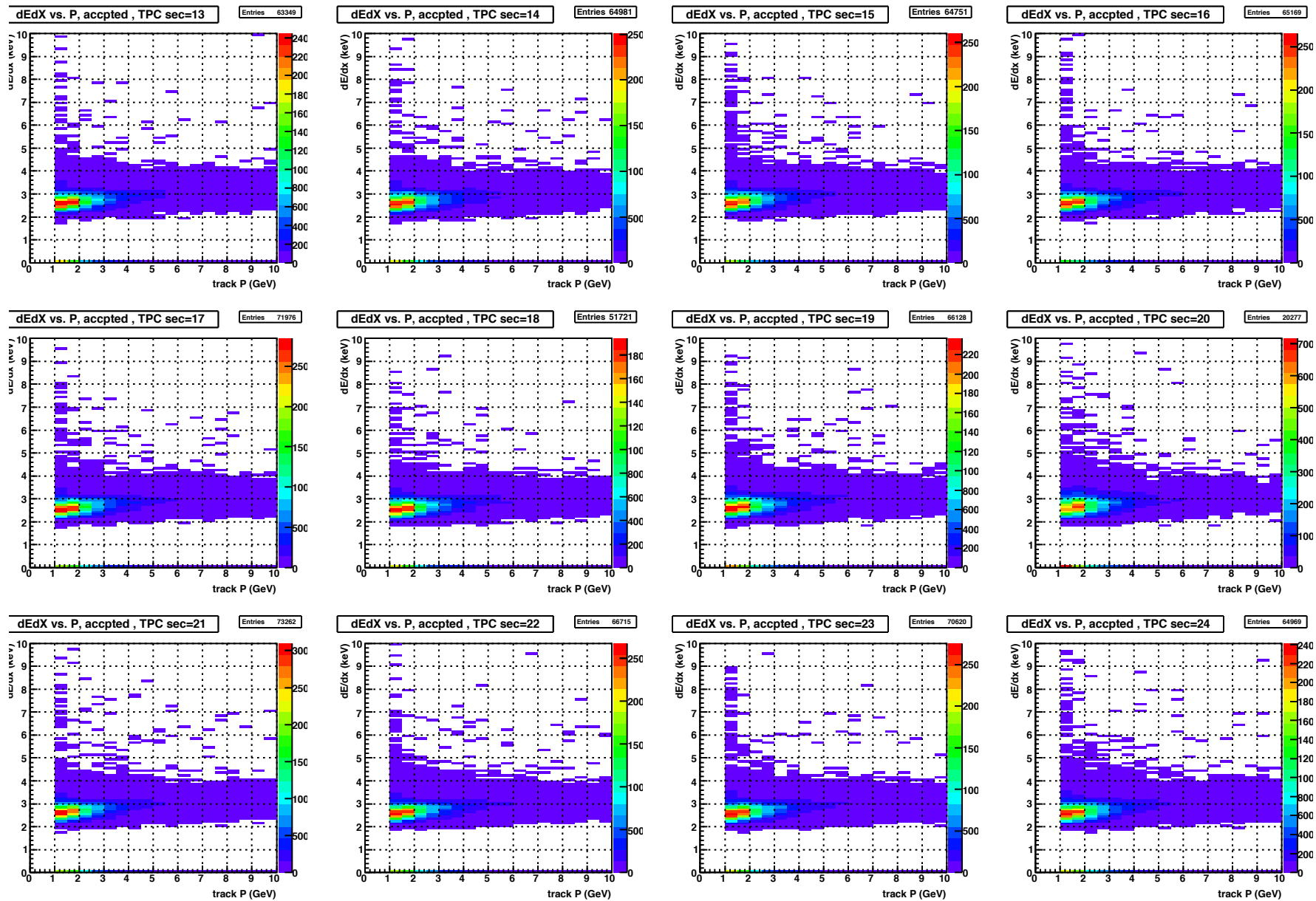
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Barrel: lastHit on track

Entries 1554256

lastHit, accepted, TPC sec=1

Entries 71897

