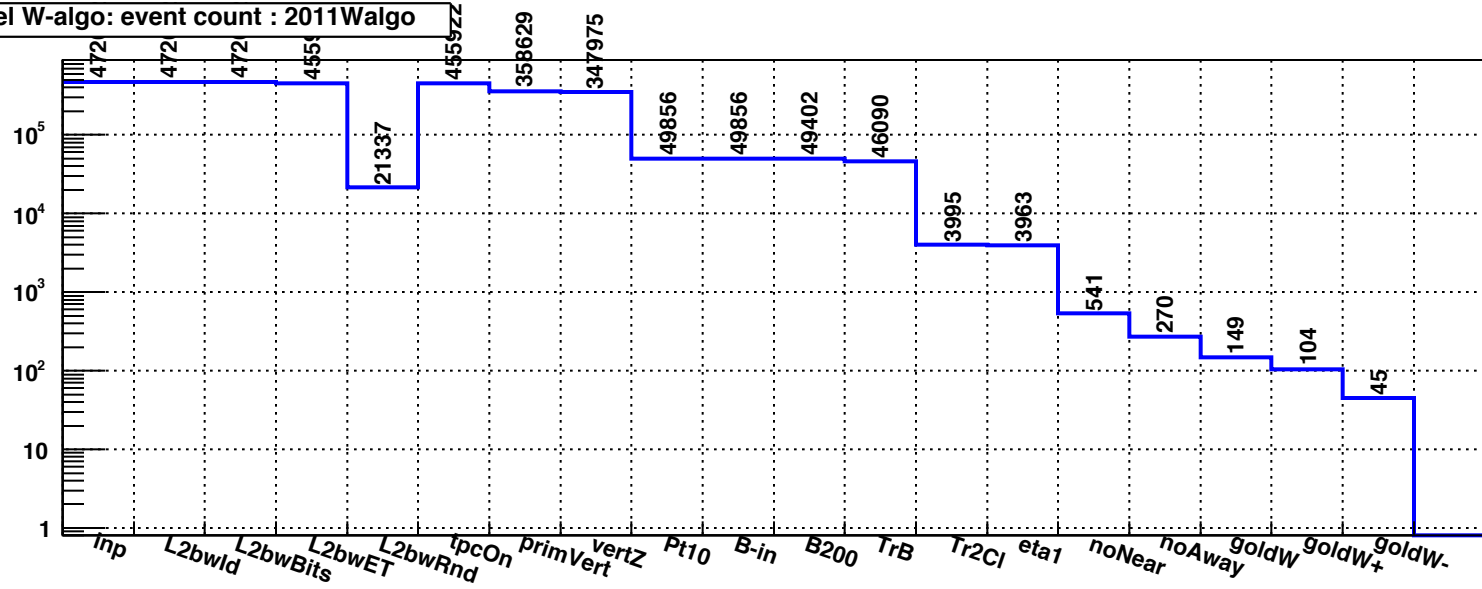
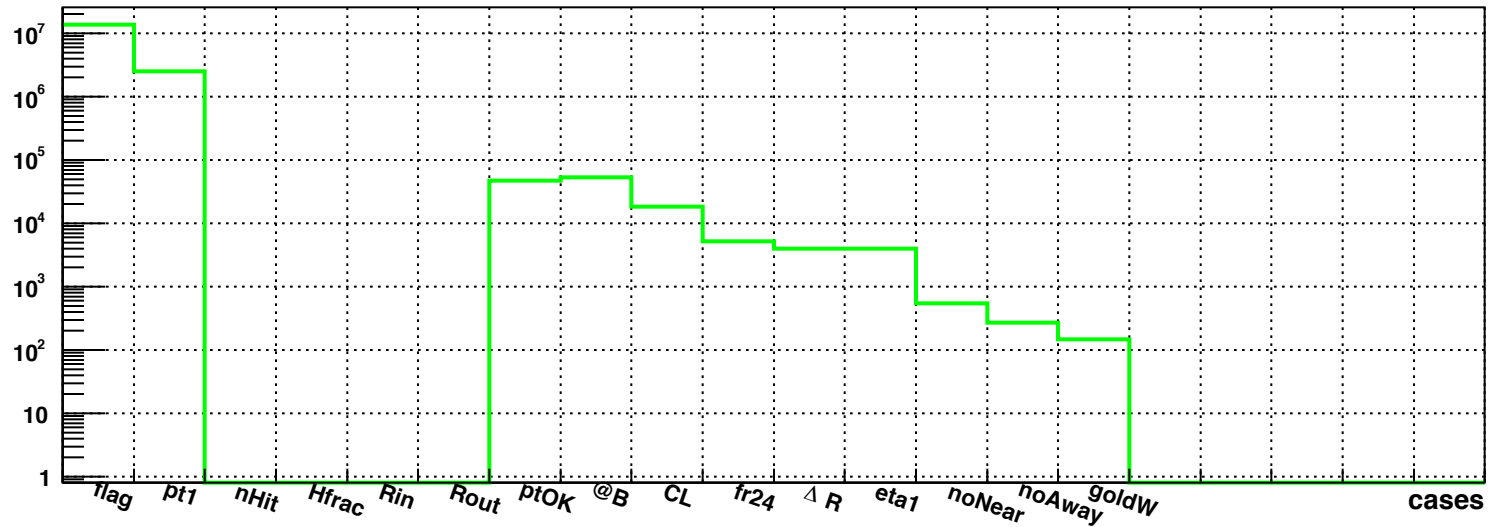


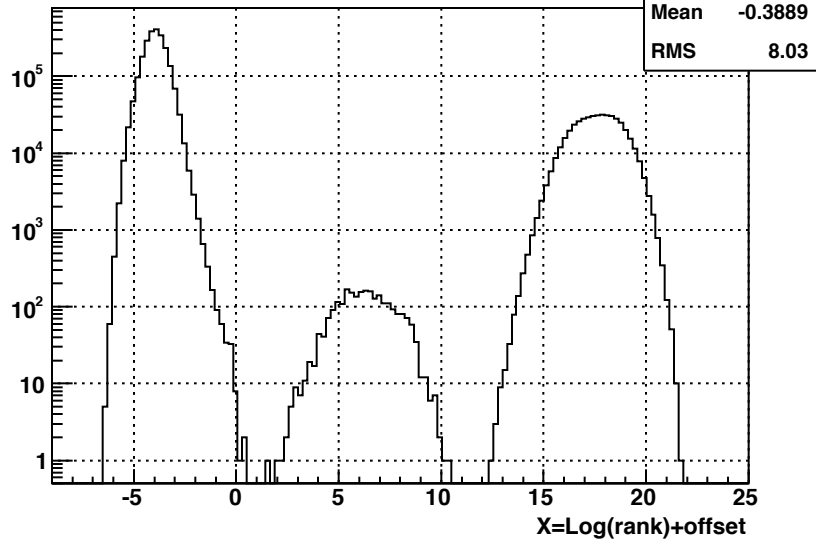
Barrel W-algo: event count : 2011Walgo



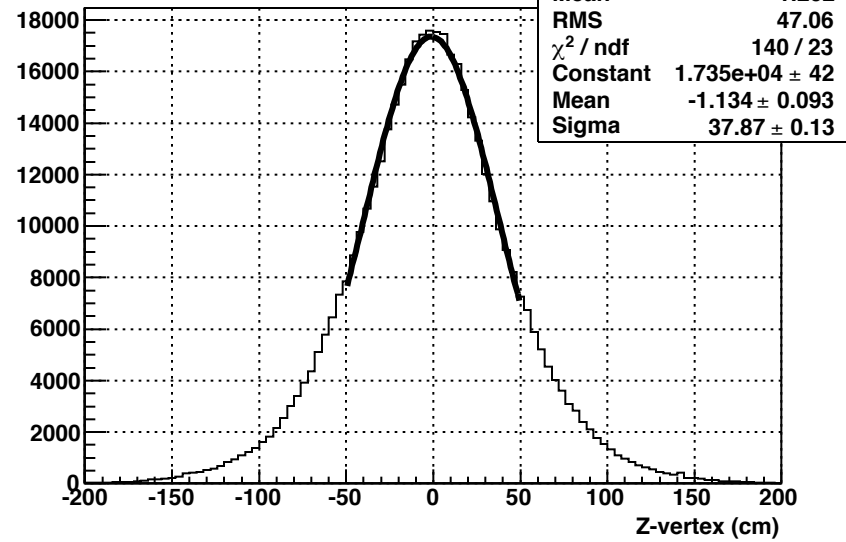
Barrel W-algo: track count



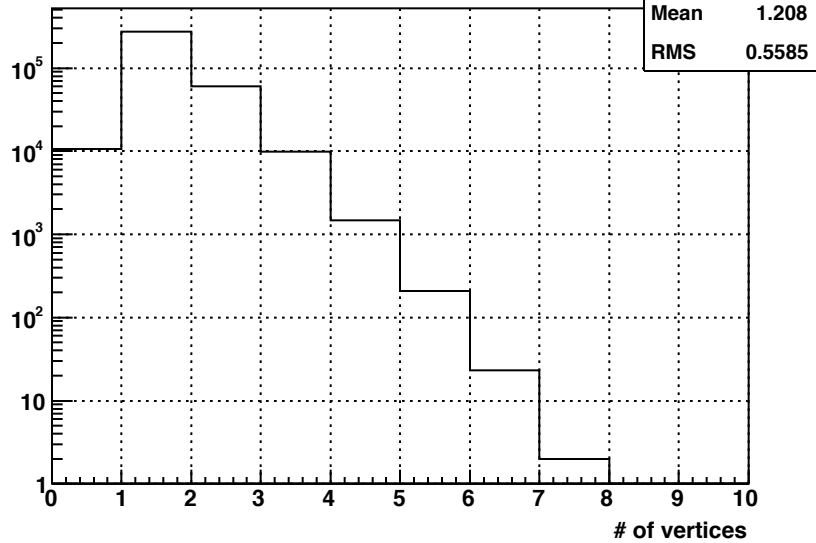
L2WB: PPV Vertex rank, funny X-axis



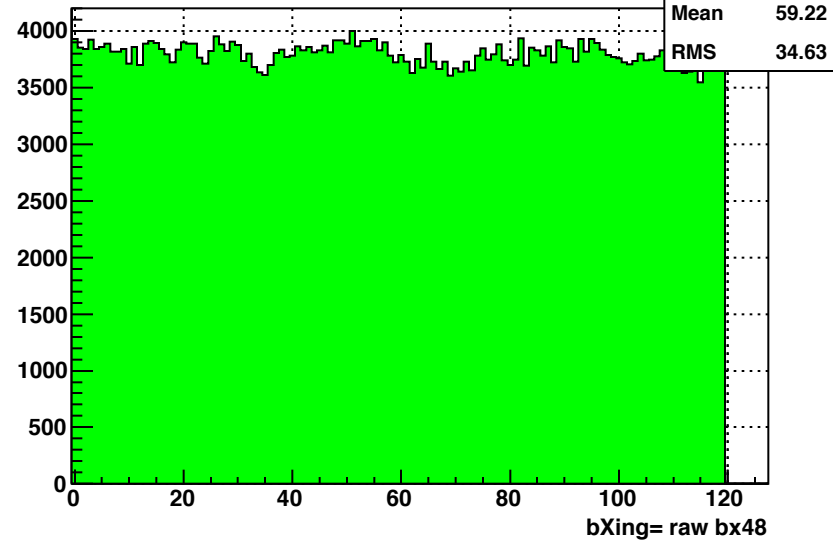
L2WB: Z of any vertex w/ rank>0



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

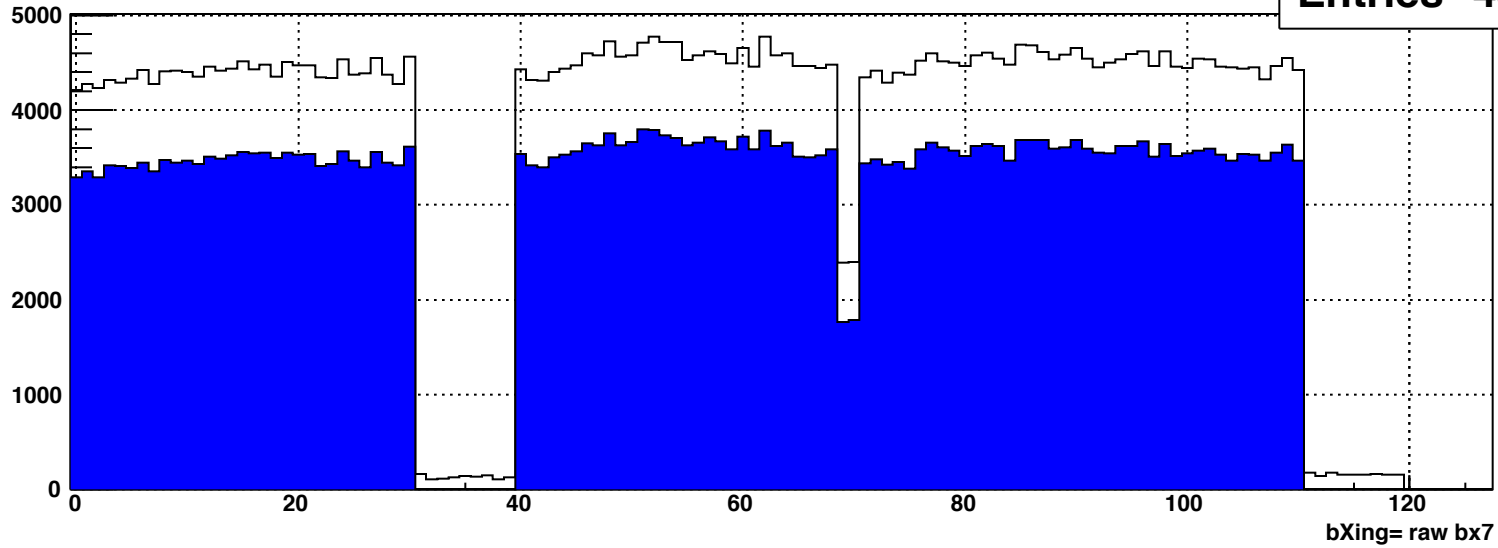


L2WB-ET events vs. bXing



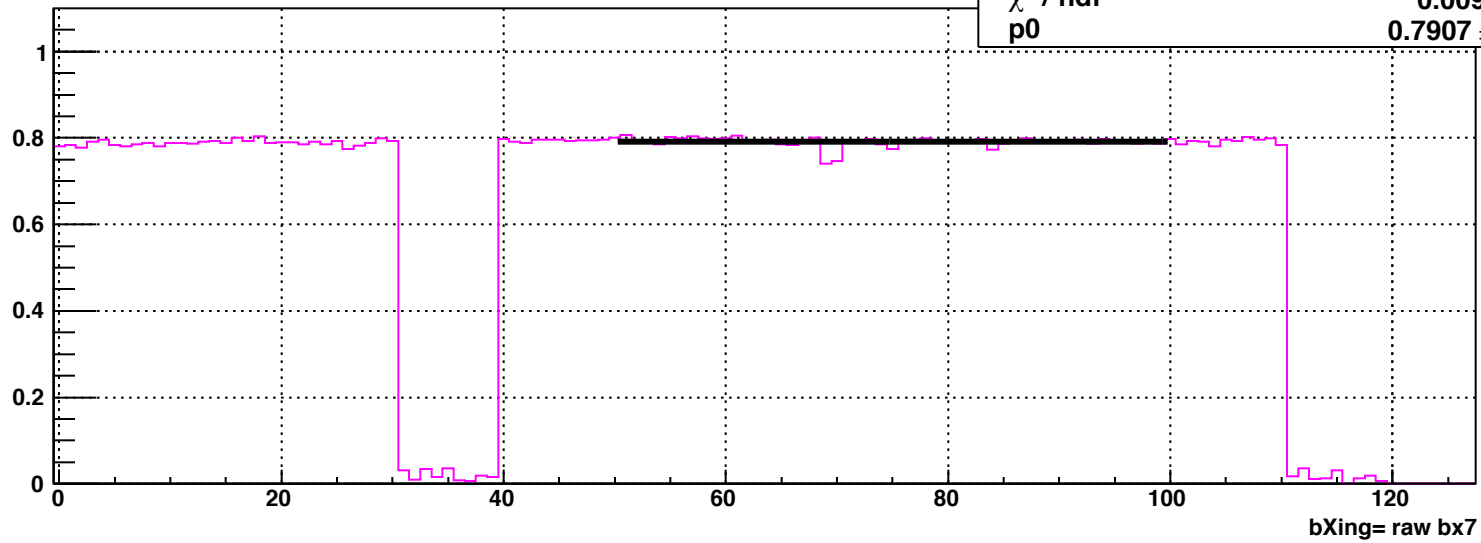
L2WB-ET events vs. bXing

Entries 455922



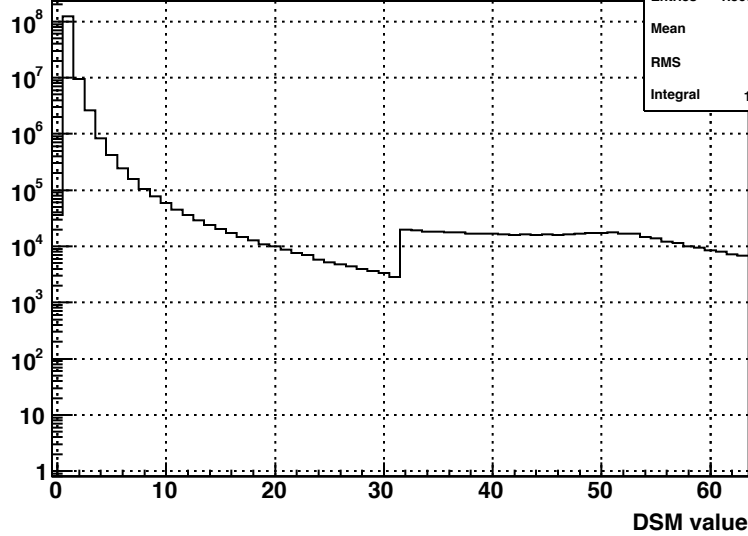
Vertex effi vs. bXing

Entries 358629
 χ^2 / ndf 0.009164 / 50
p0 0.7907 ± 0.1245

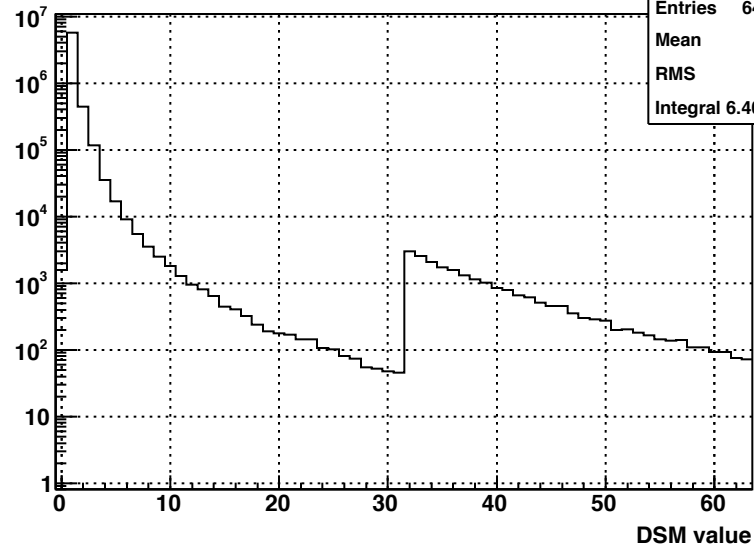


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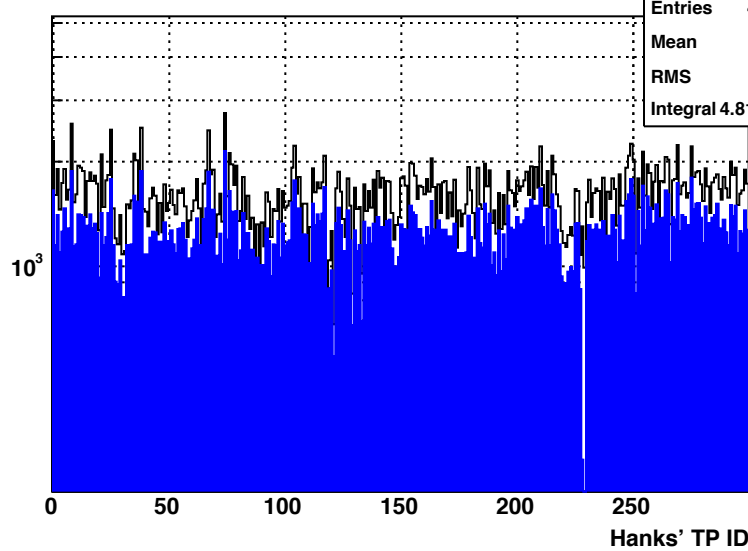
L2WB-ET events DMS spectrum



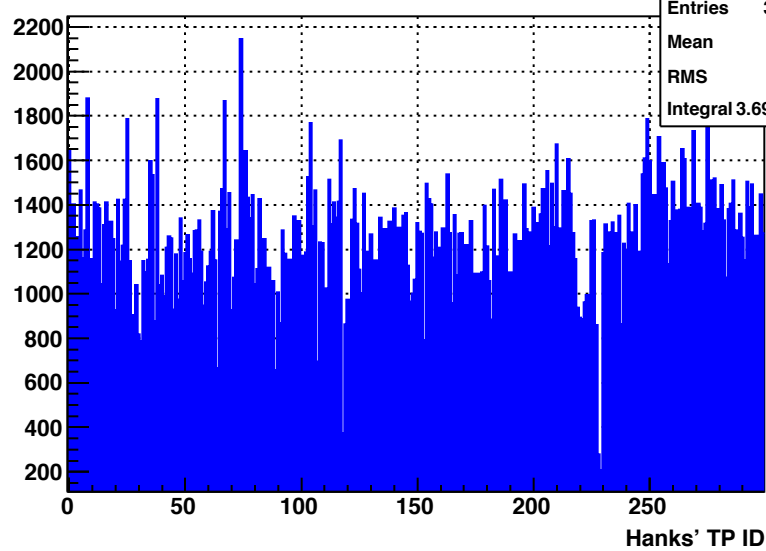
L2WB-Rnd events DMS spectrum

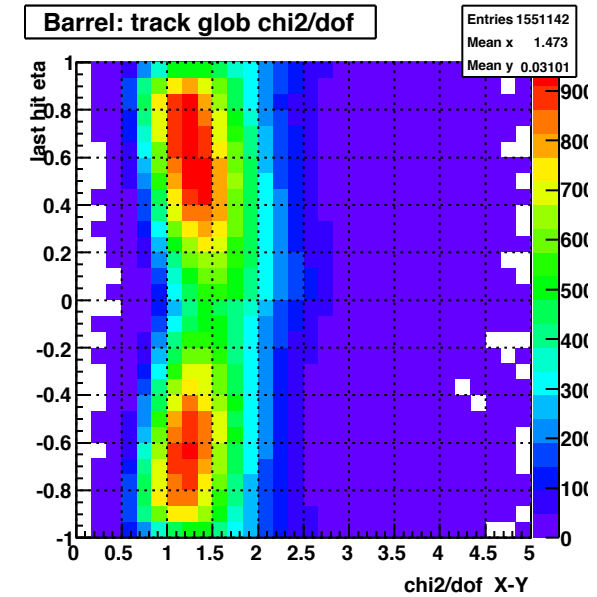
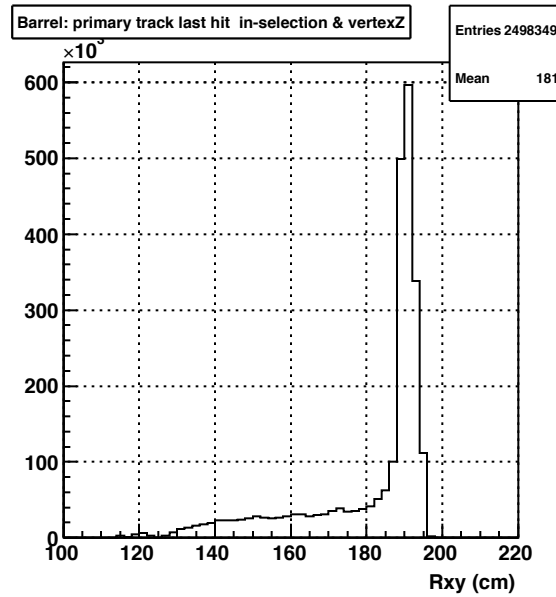
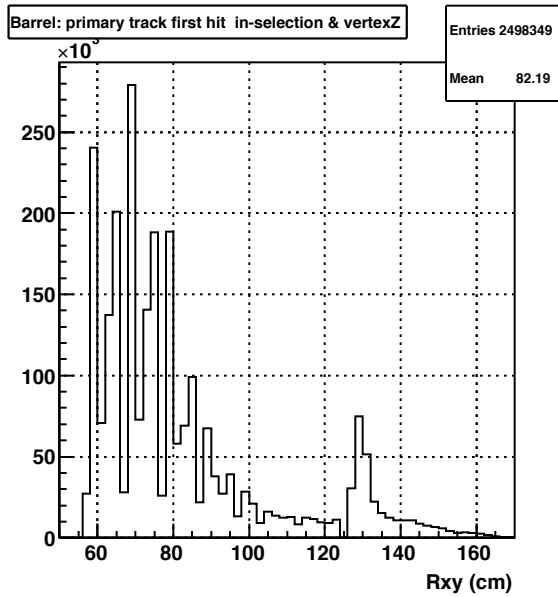
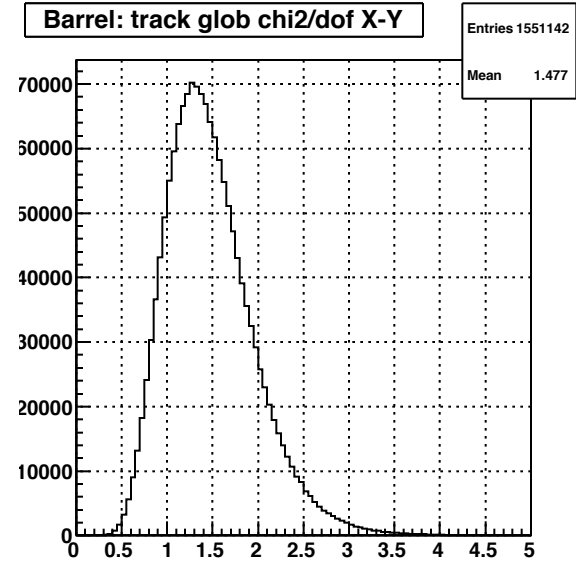
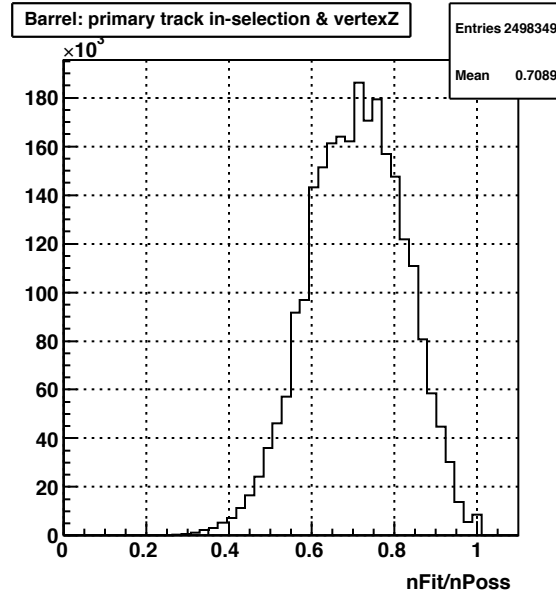
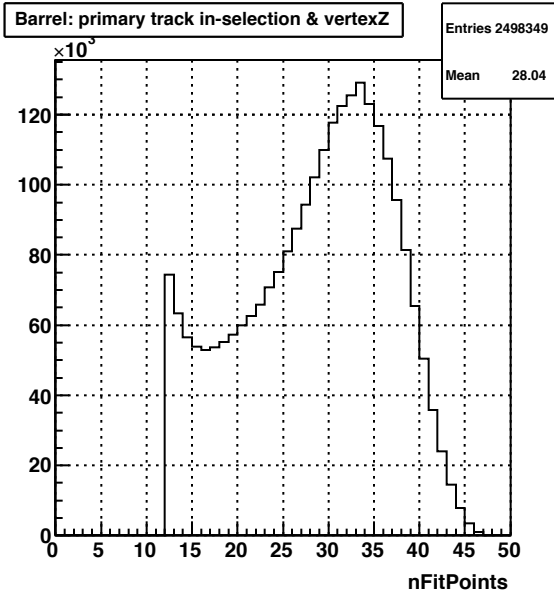


L2WB-ET events w/ DMS>31 vs.BTOW TP ID bXing



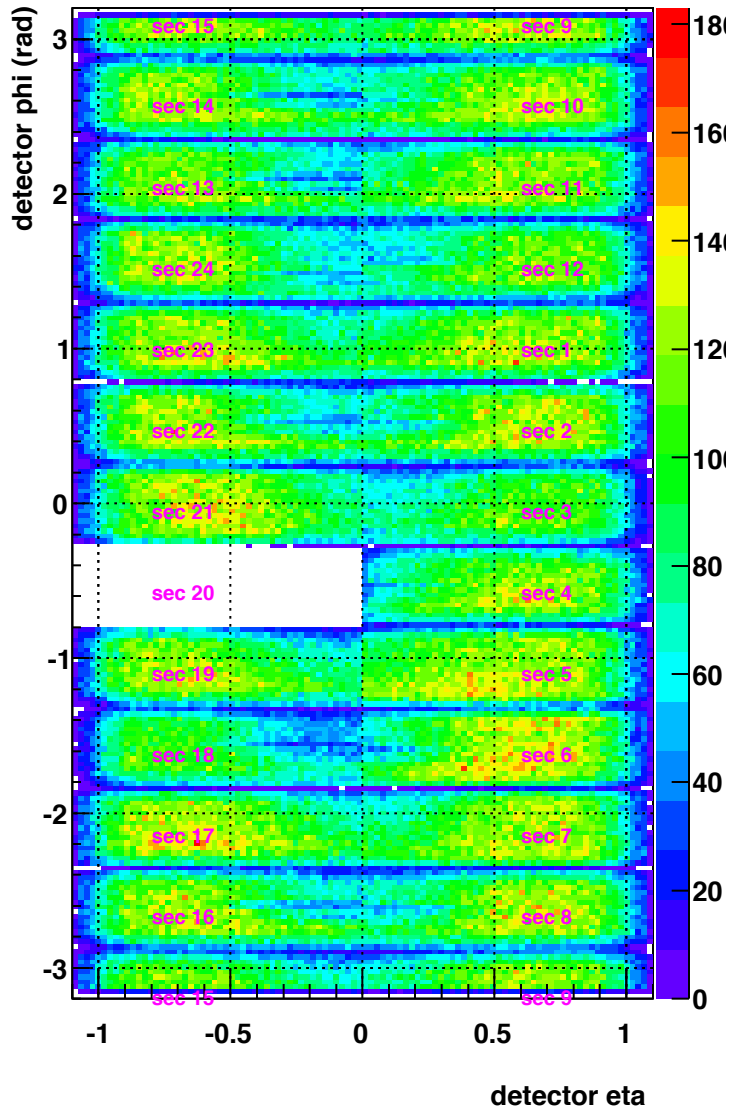
L2WB-ET events w/ DMS>31 & primVertexvs.BTOW TP ID bXing





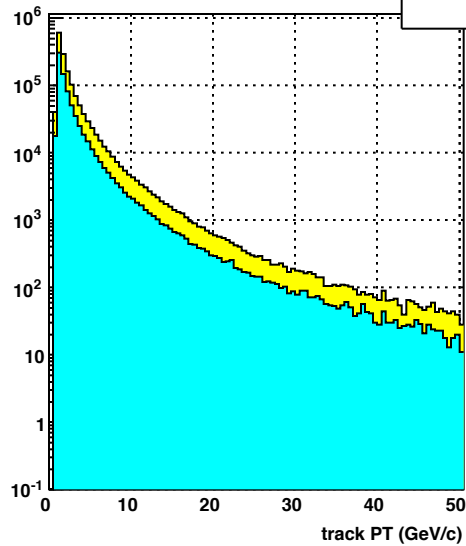
Barrel: lastHit on track

Entries 1551142



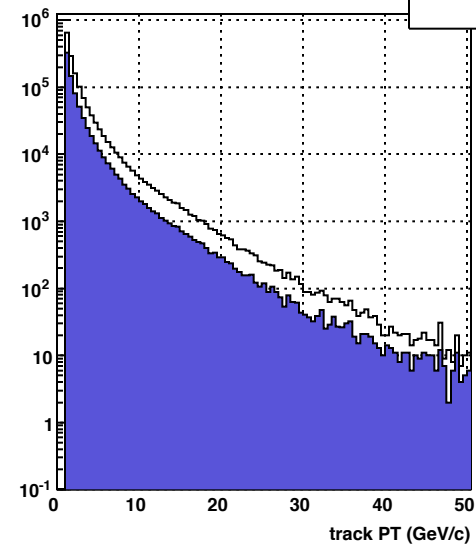
Barrel: global track PT

Entries 551142



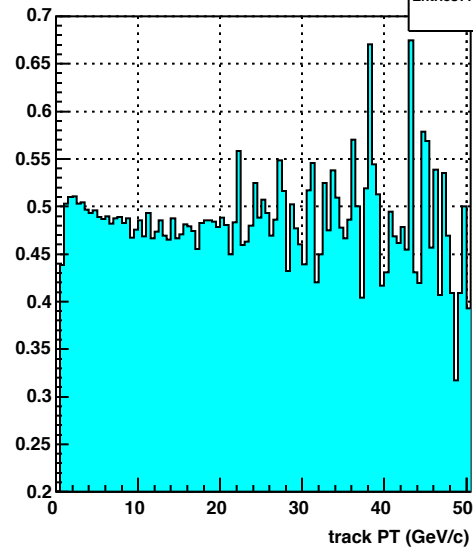
Barrel: primary track PT

Entries 551142



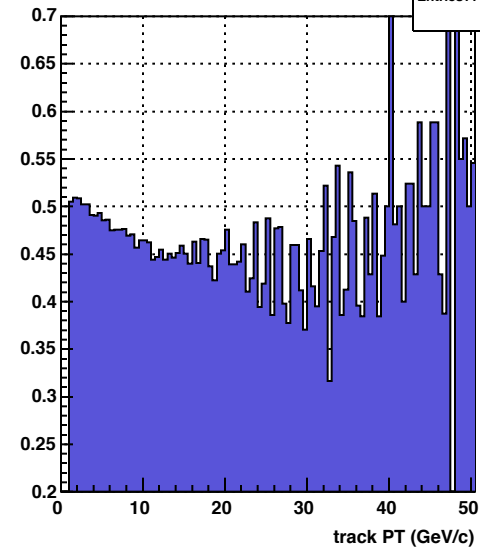
Ratio Negative/all

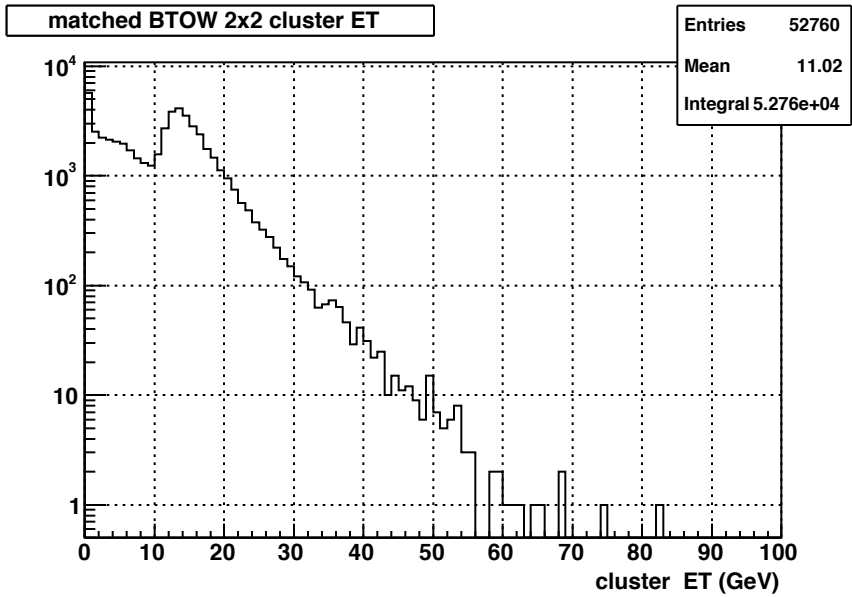
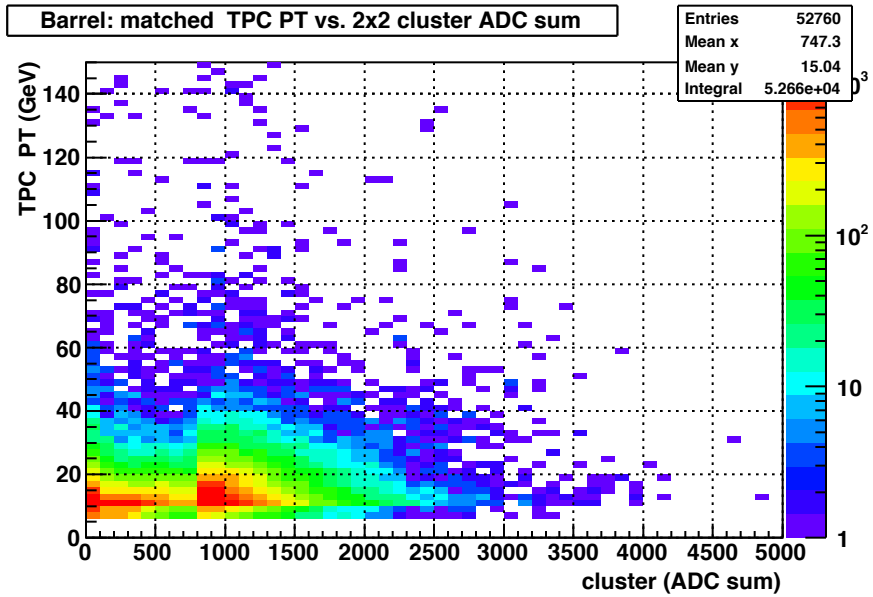
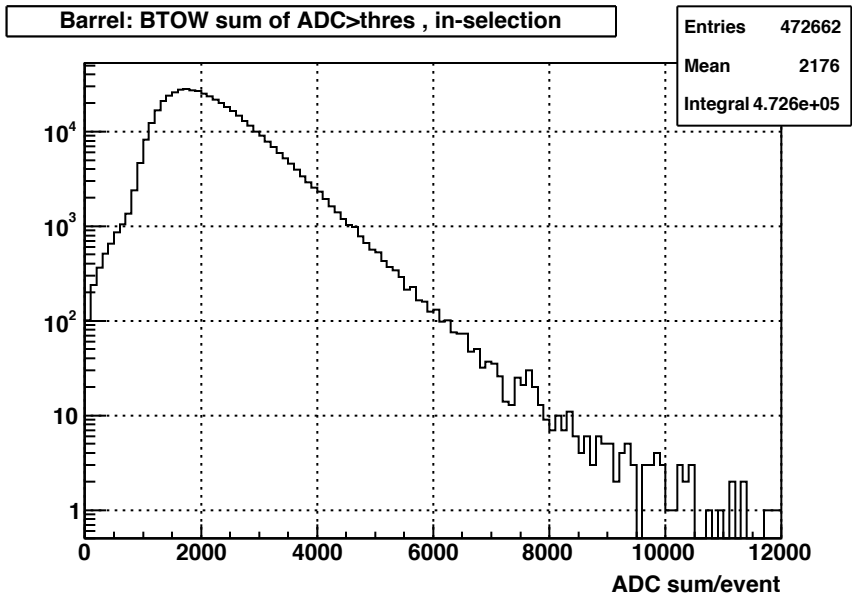
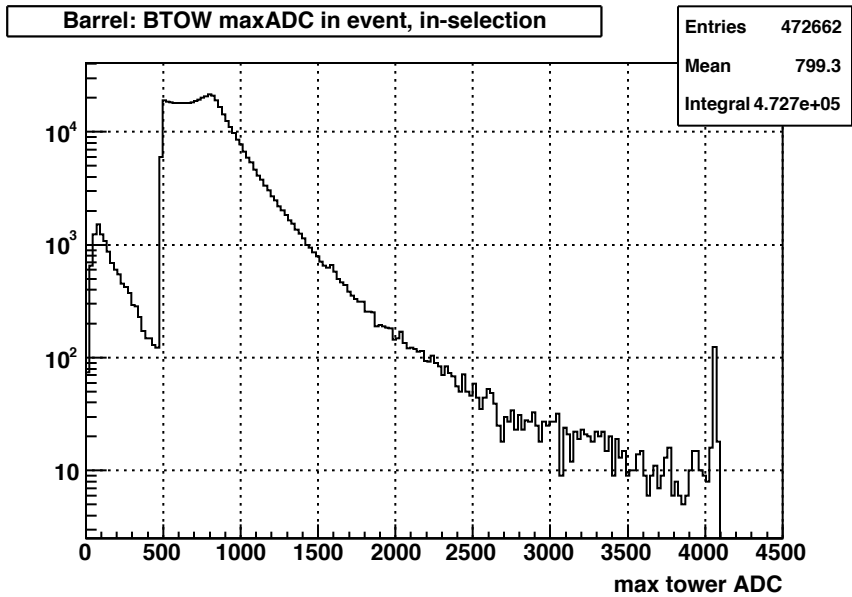
Entries 777169



Ratio Negative/all

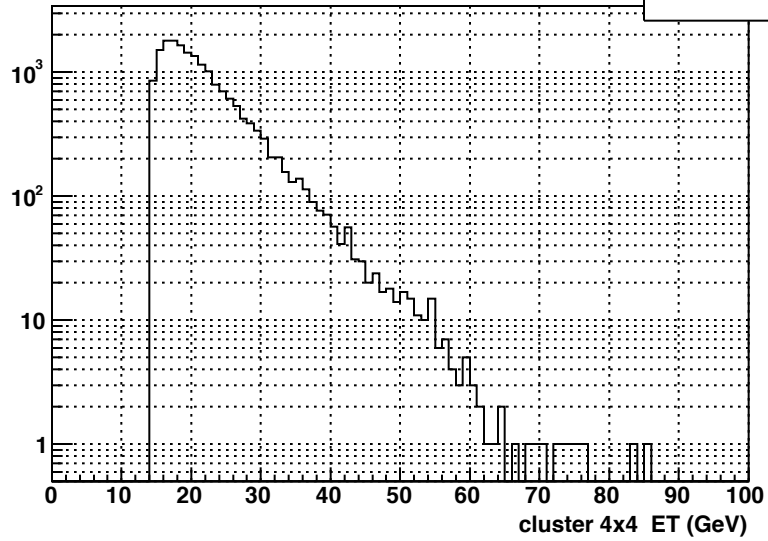
Entries 777610





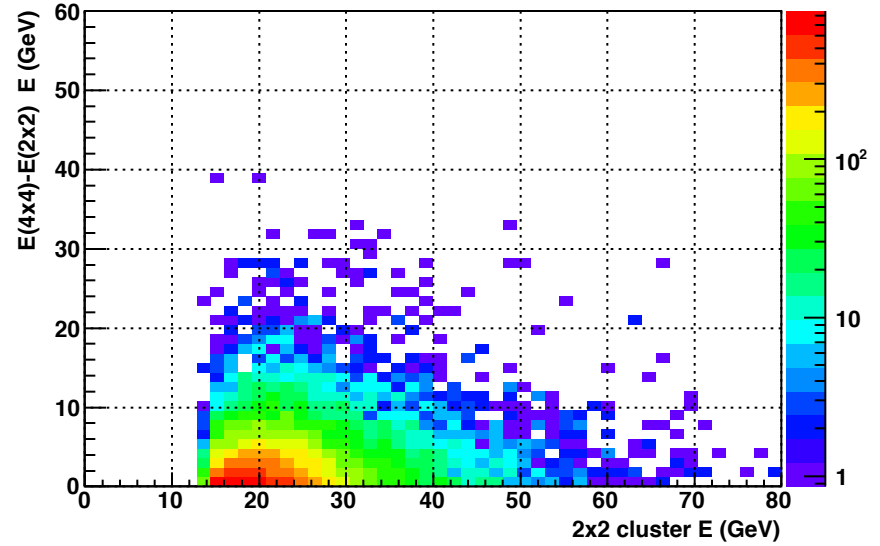
matched BTOW 4x4 cluster ET

Entries 18263



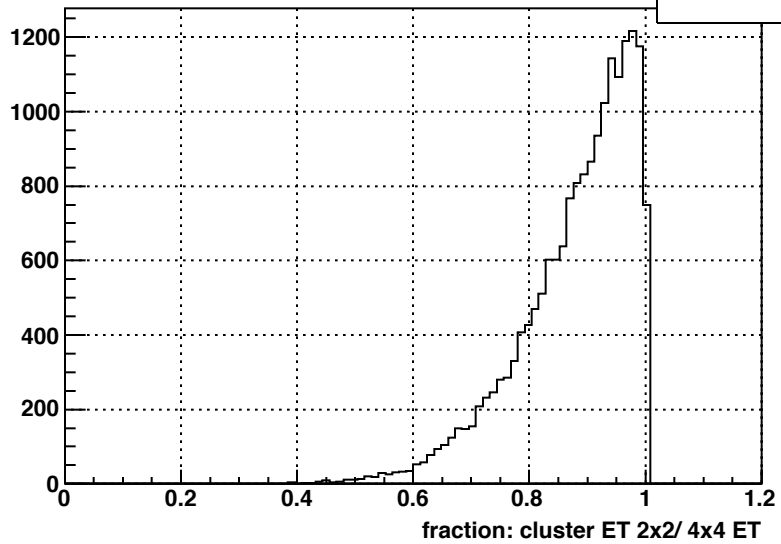
Barrel: Excess energy in 4x4 cluster vs. 2x2 E

Entries 18263



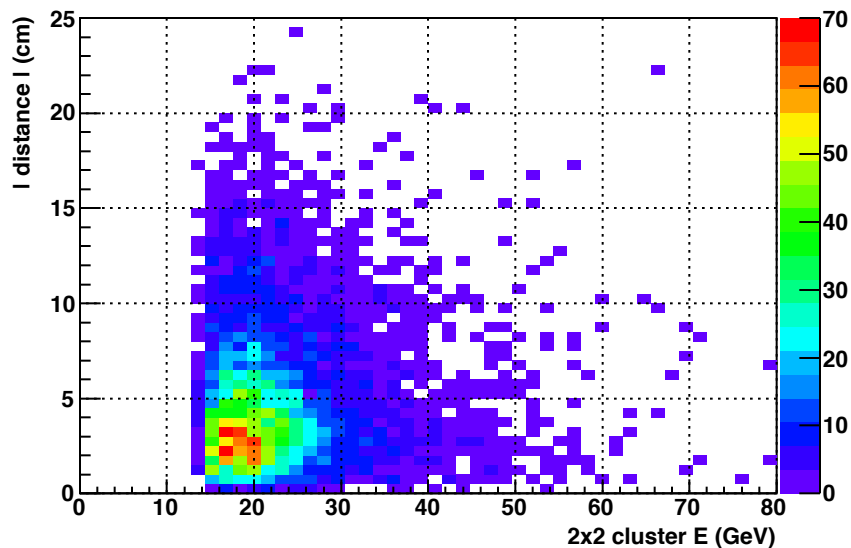
Barrel: ratio (2x2/4x4) cluster ET

Entries 18263

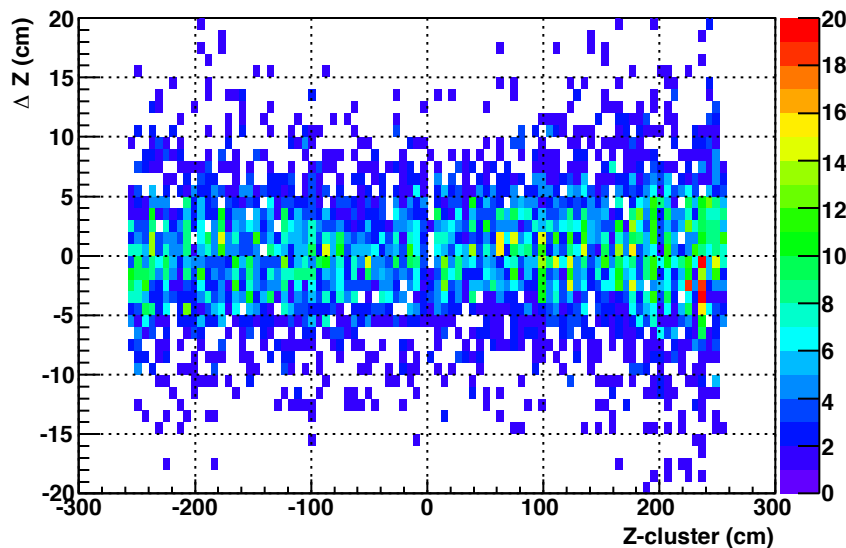


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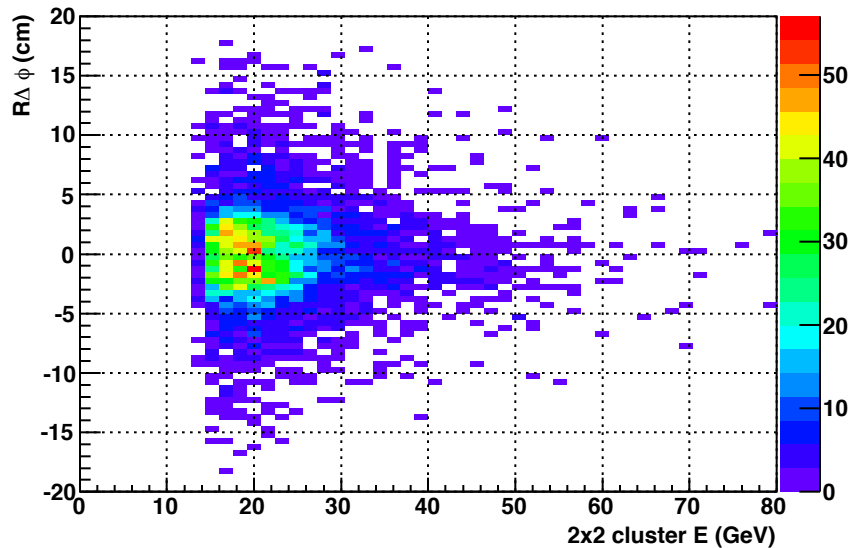
Barrel: 3D Distance(track-cluster) vs. 2x2 E Entries 5240



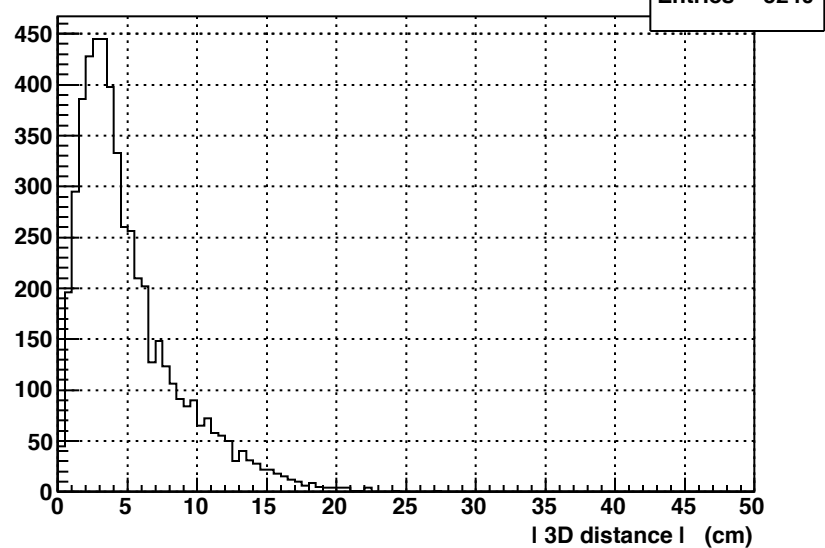
Barrel: ΔZ (track-cluster) vs. Z-clust Entries 5240



Barrel: $R\Delta\phi$ (track-cluster) vs. 2x2 E Entries 5240

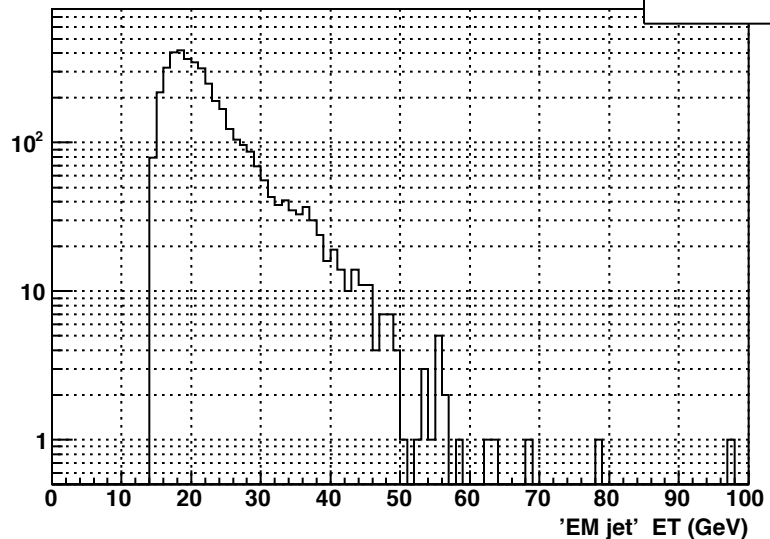


Barrel: 3D Distance(track-cluster) vs. 2x2 E Entries 5240



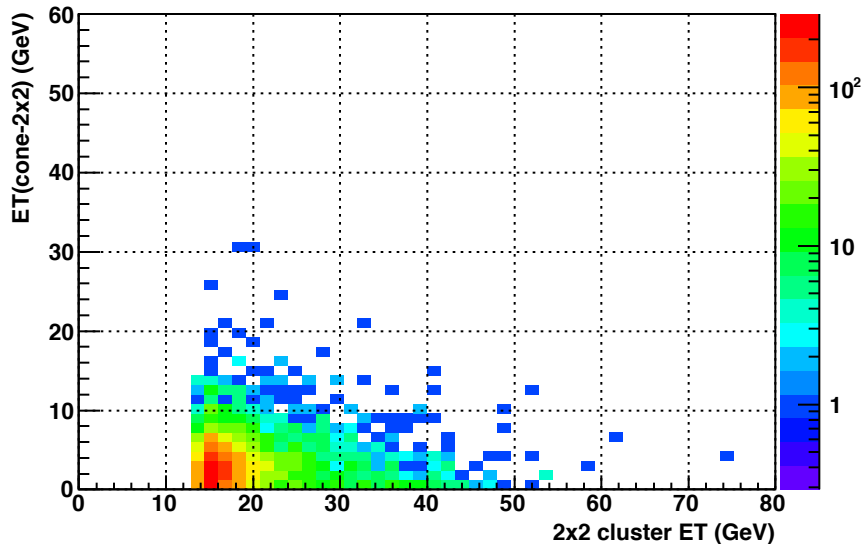
Barrel: near 'EM jet' ET

Entries 4026



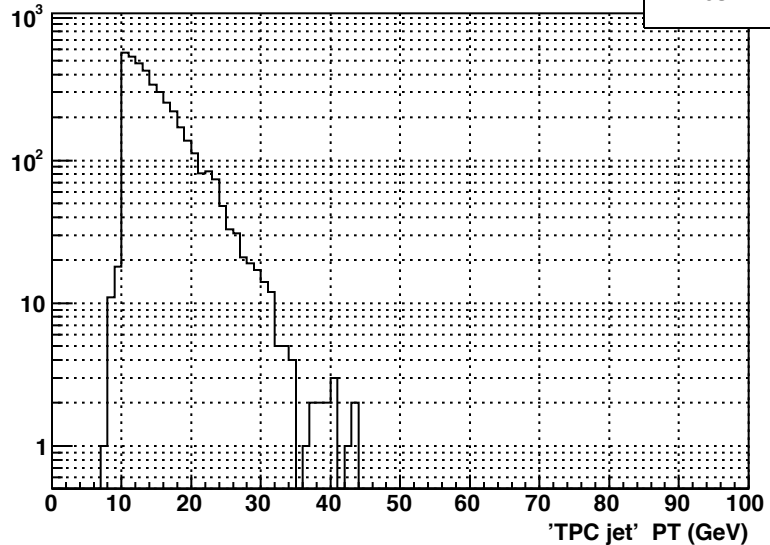
Barrel: Excess nearCone ET vs. 2x2 E

Entries 4026



Barrel: quenched near 'TPC jet' PT

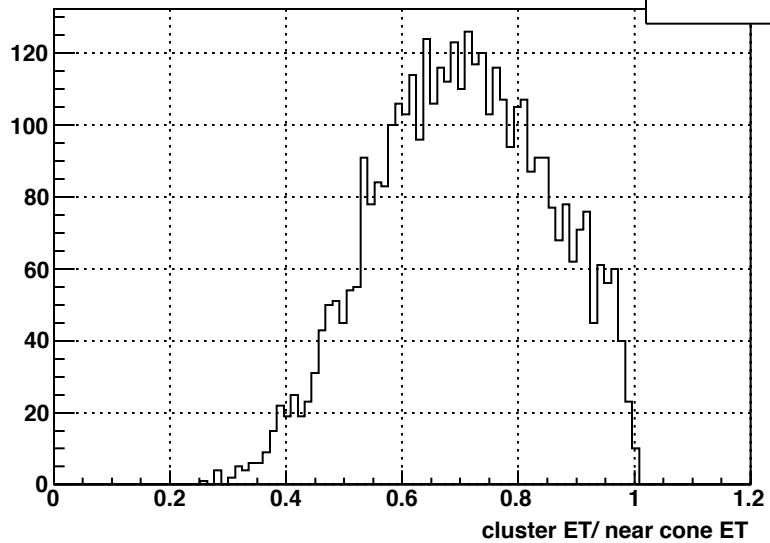
Entries 4026



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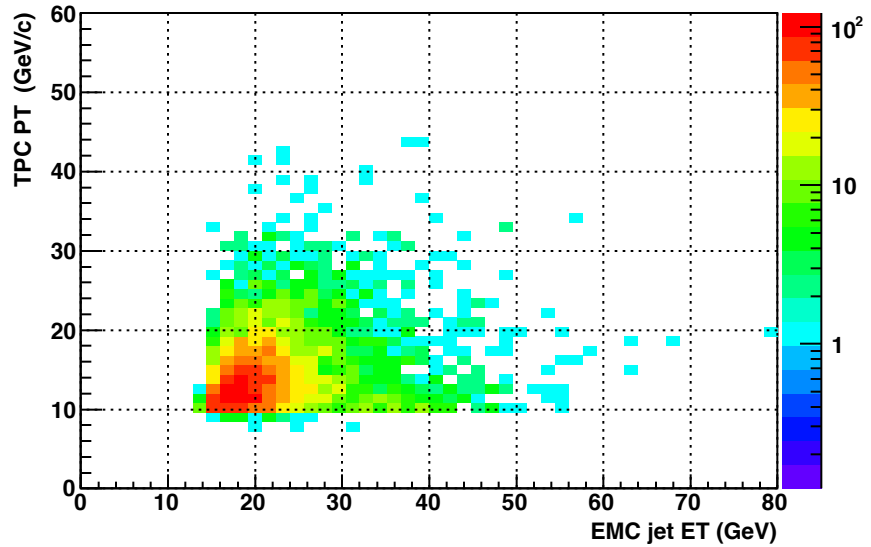
Barrel: ratio (2x2/nearCone) ET

Entries 4026



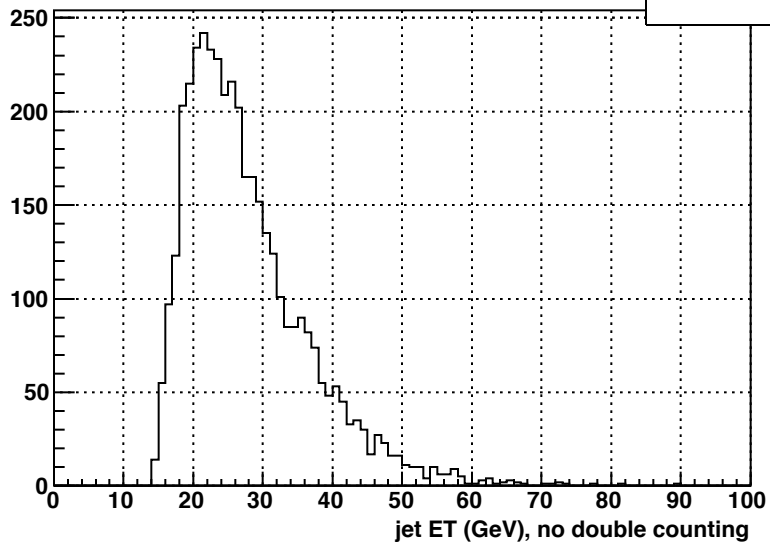
Barrel: quenched near 'TPC jet' vs. near 'EMC jet'

Entries 4026



Barrel: near 'TPC+EMC jet' ET

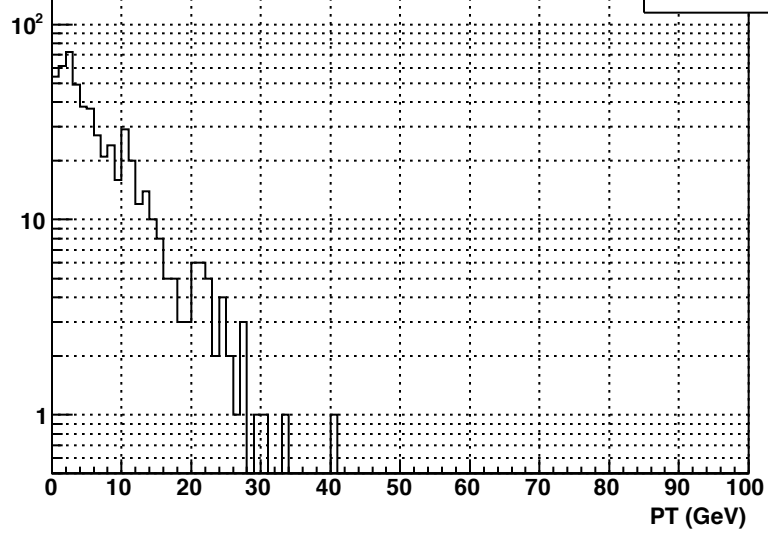
Entries 4026



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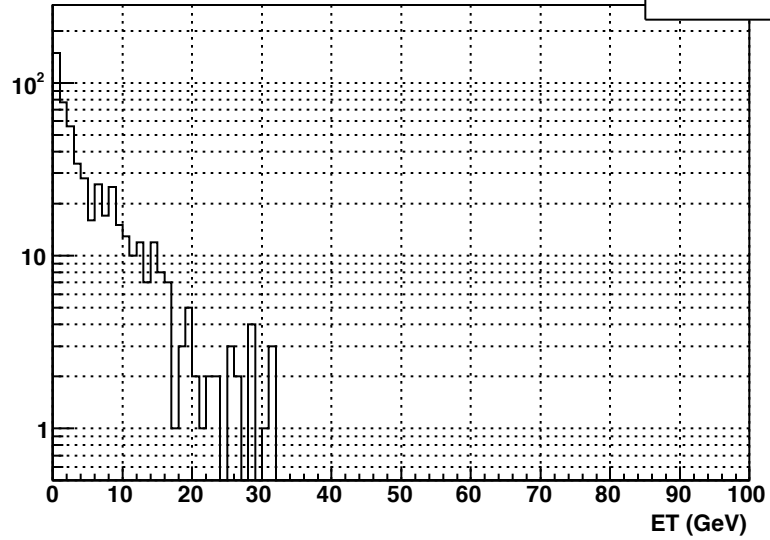
Barrel: TPC away-cone PT sum

Entries 541



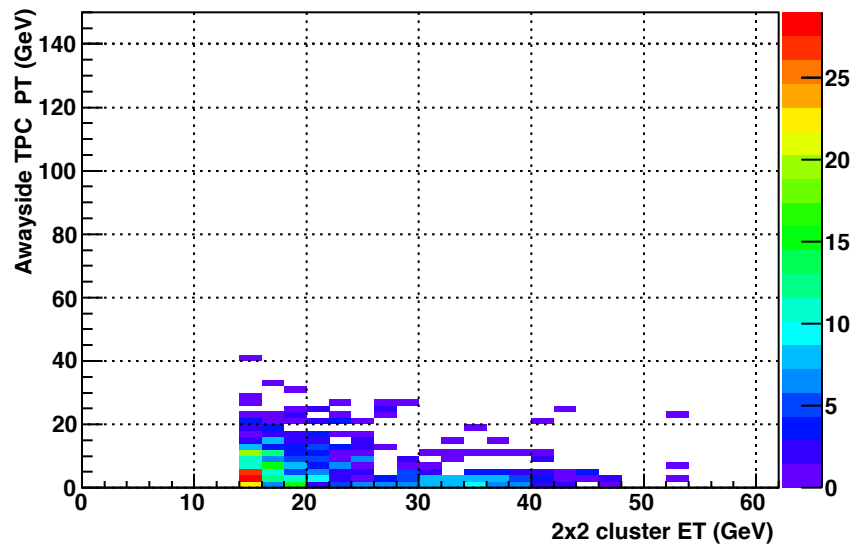
Barrel: BTOW away-cone ET sum

Entries 541



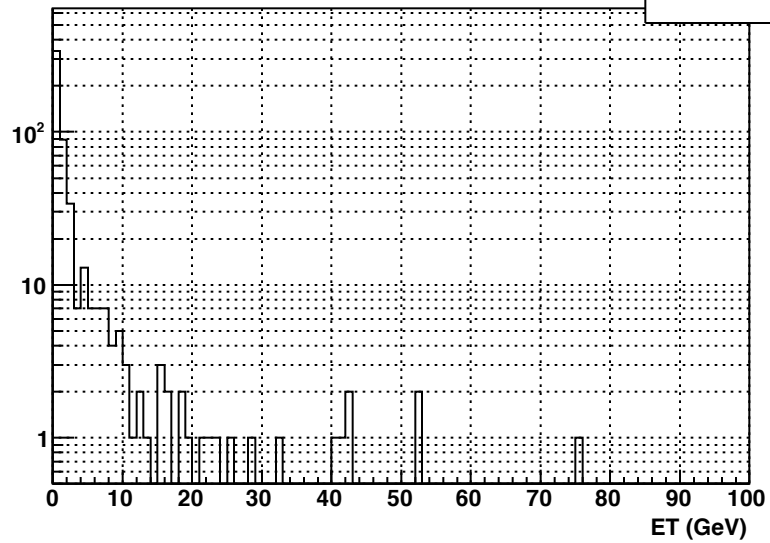
Barrel: Awayside TPC PT vs. isolated cluster 2x2 ET, matched

Entries 541



Barrel: ETOW away-cone ET sum

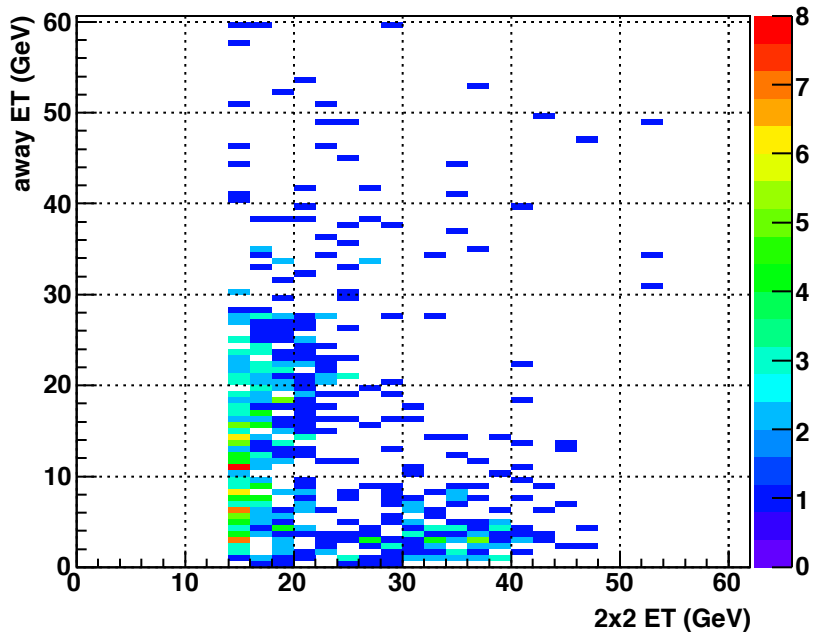
Entries 541



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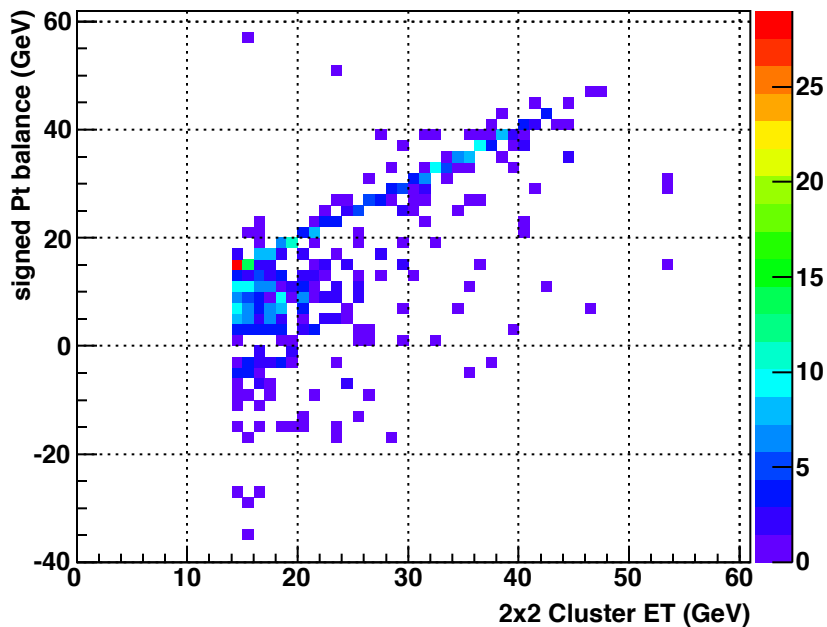
Barrel: away TPC+EMC ET sum vs. 2x2 cluster ET

Entries 541



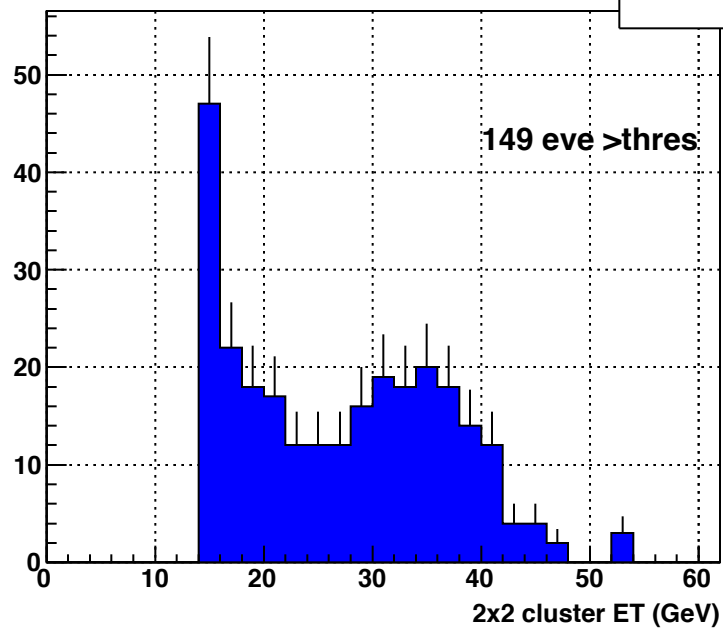
Barrel: sPtBalance vs cluster ET

Entries 541



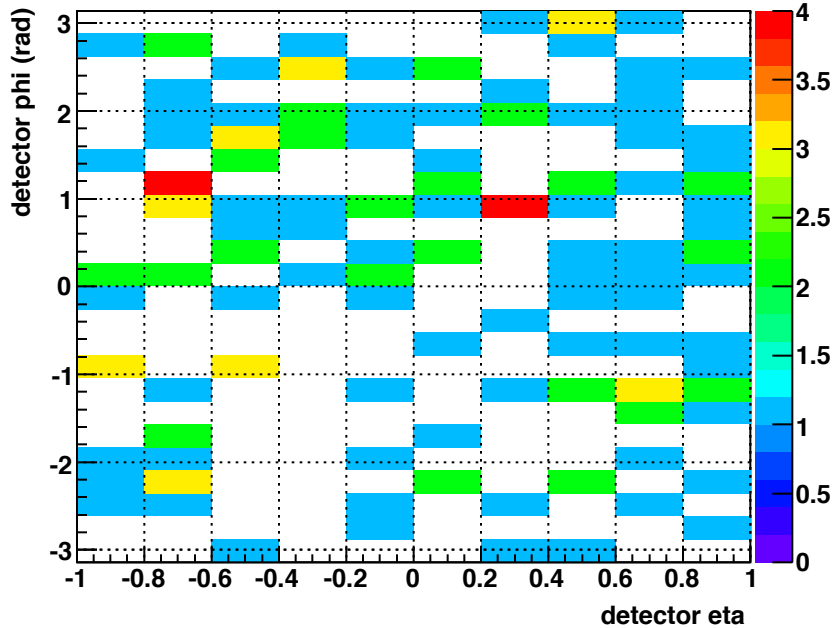
Barrel W: Final Selection : 2011Walgo

Entries 270



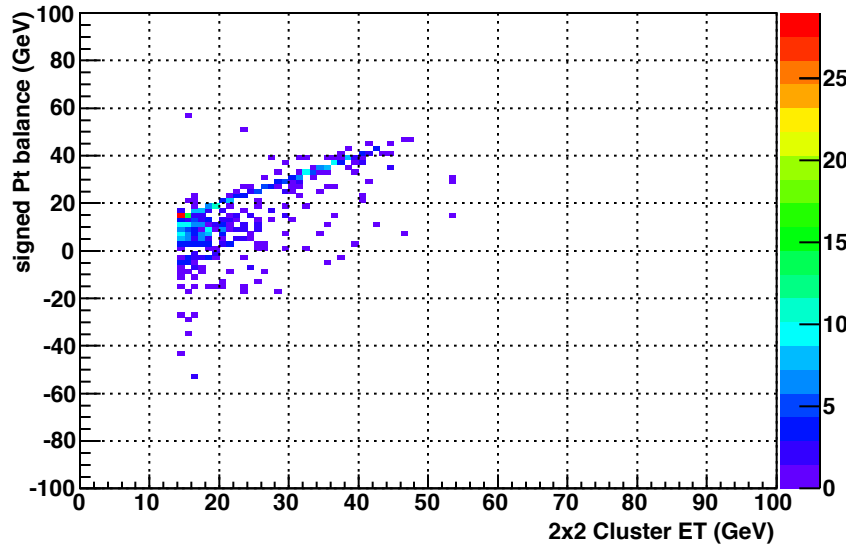
Barrel W: Final selection, ET>25 GeV 'goldenW'

Entries 149



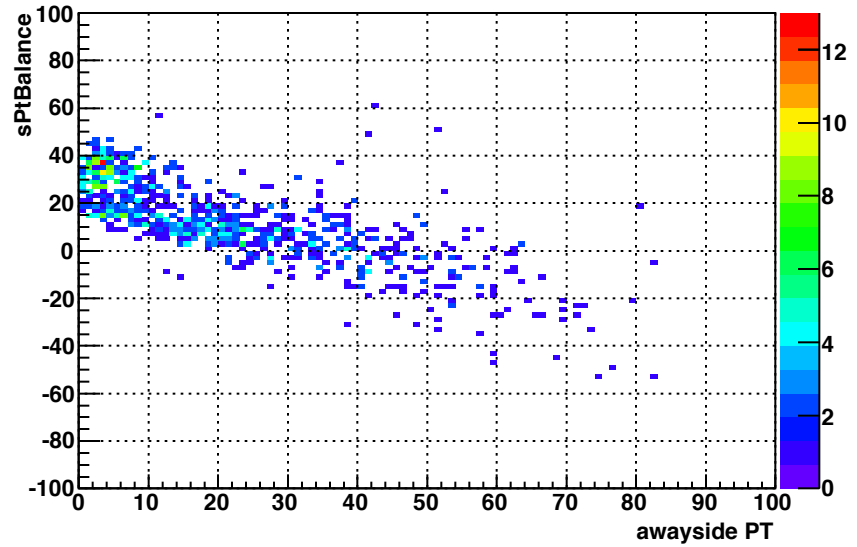
Barrel: sPtBalance vs cluster ET

Entries 541



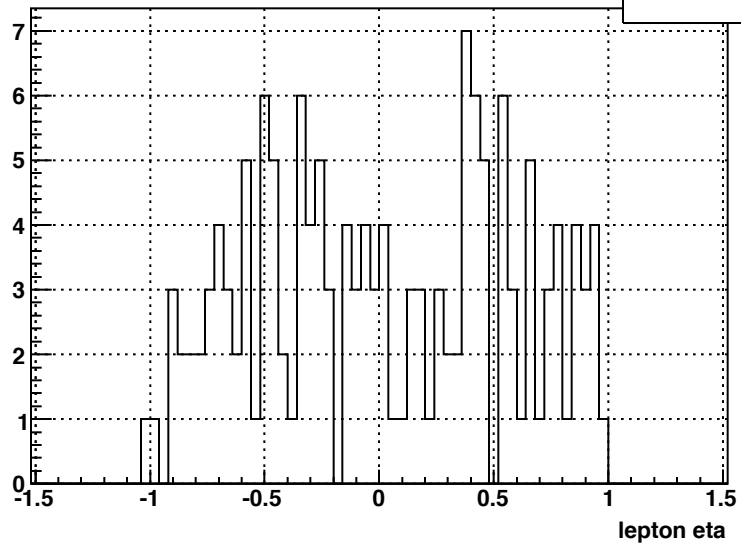
Barrel: sPtBalance vs awayside PT

Entries 1013



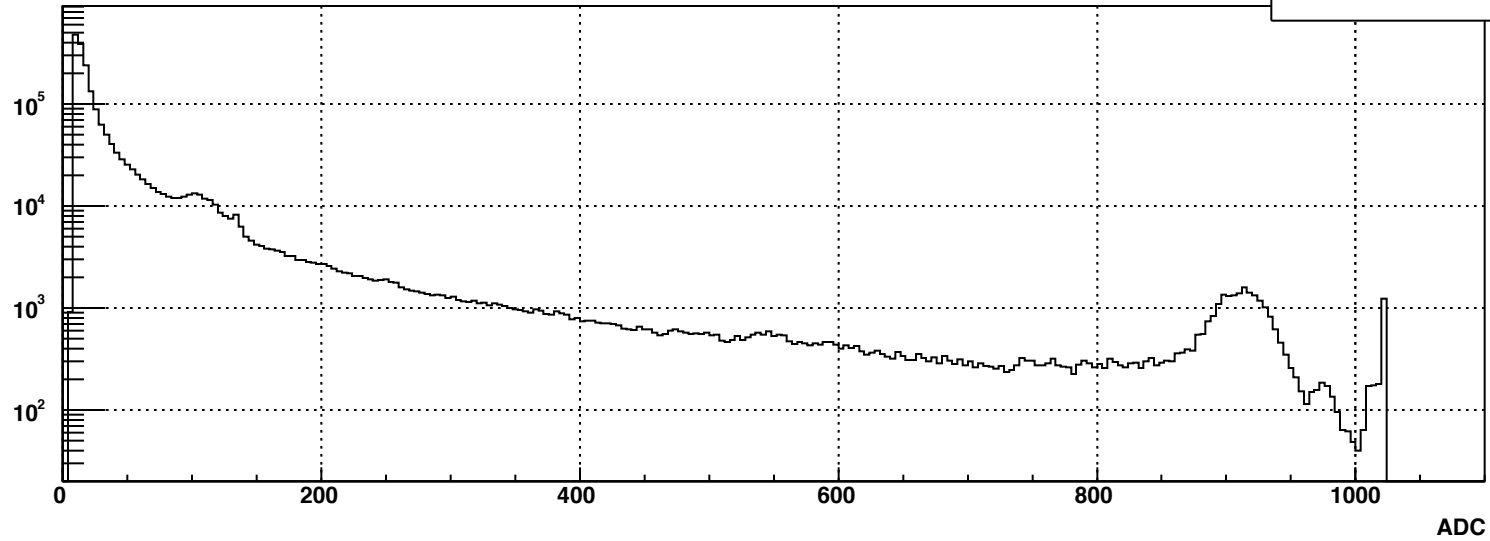
Barrel W: lepton eta final selection 2011Walgo

Entries 149



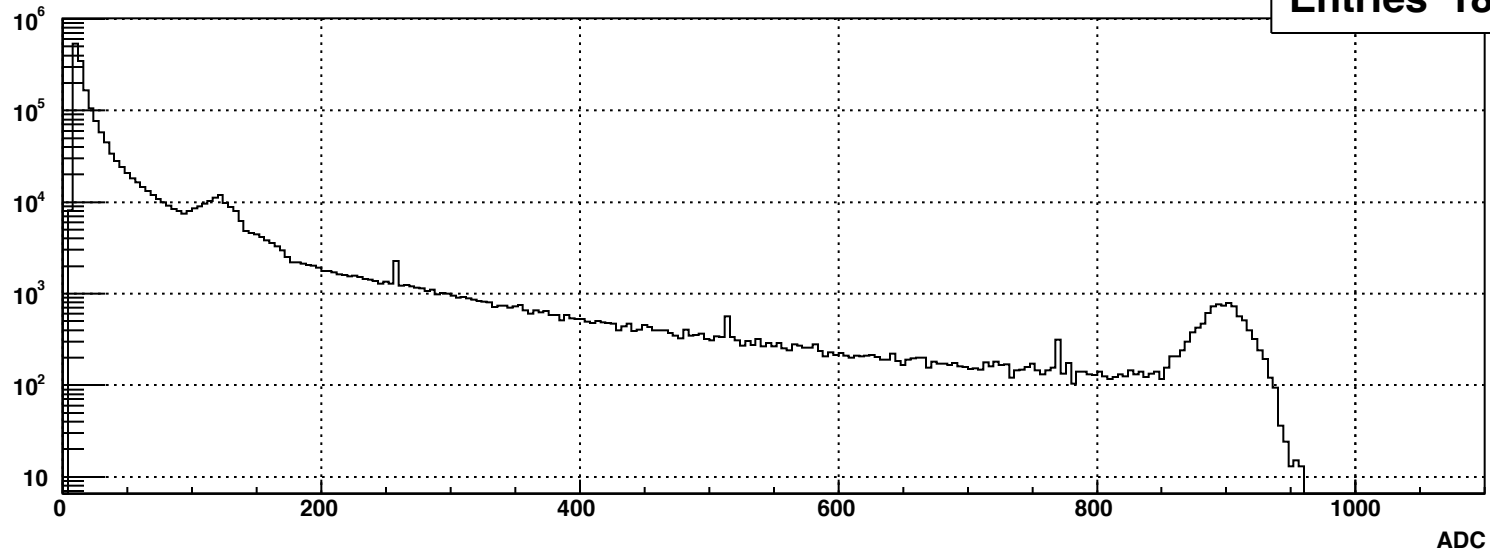
BSMD-E whole plane ADC

Entries 2043127



BSMD-P whole plane ADC

Entries 1813266

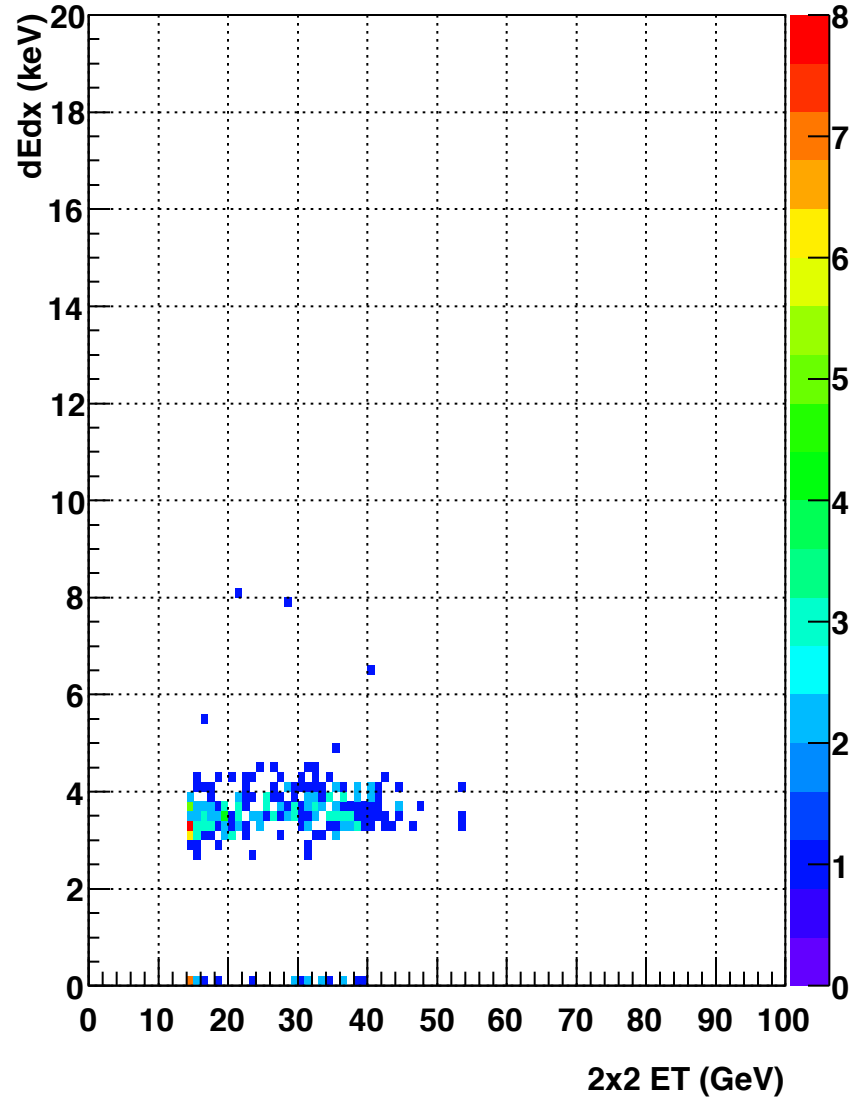
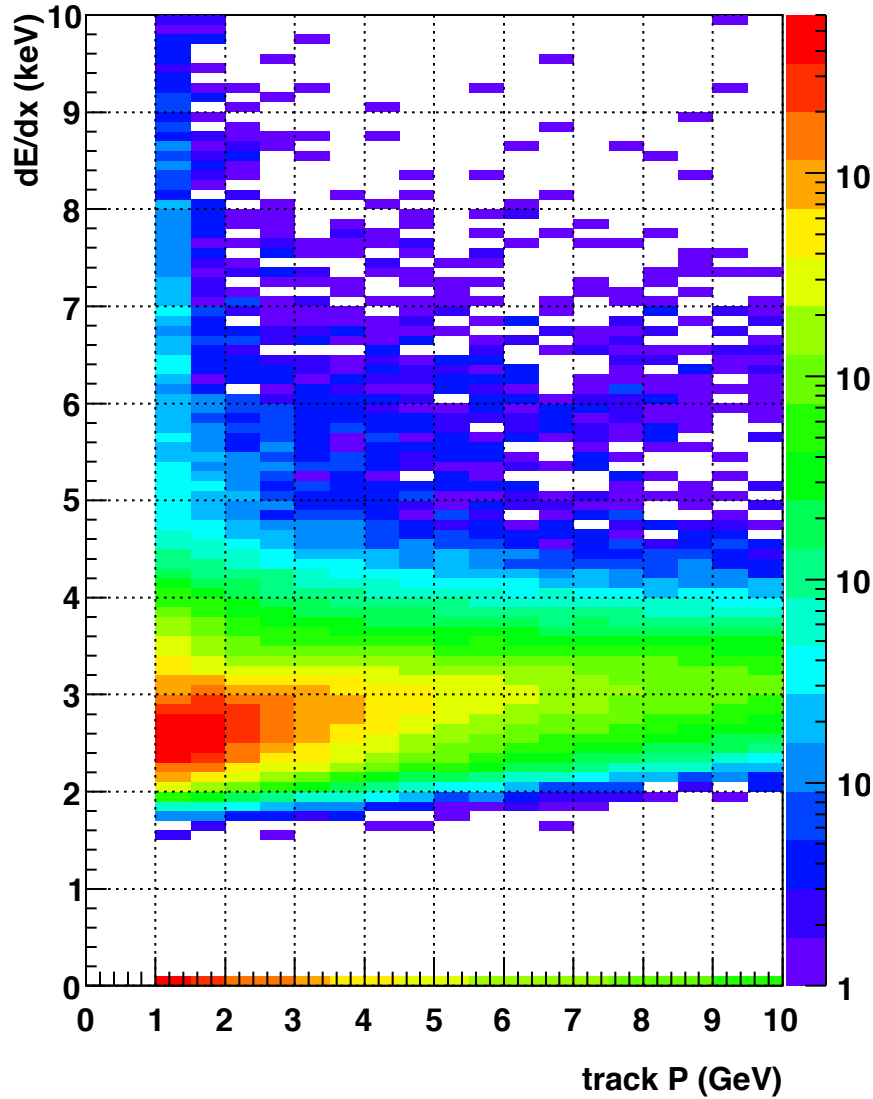


Barrel: dEdX vs. momentum

Entries 1551142

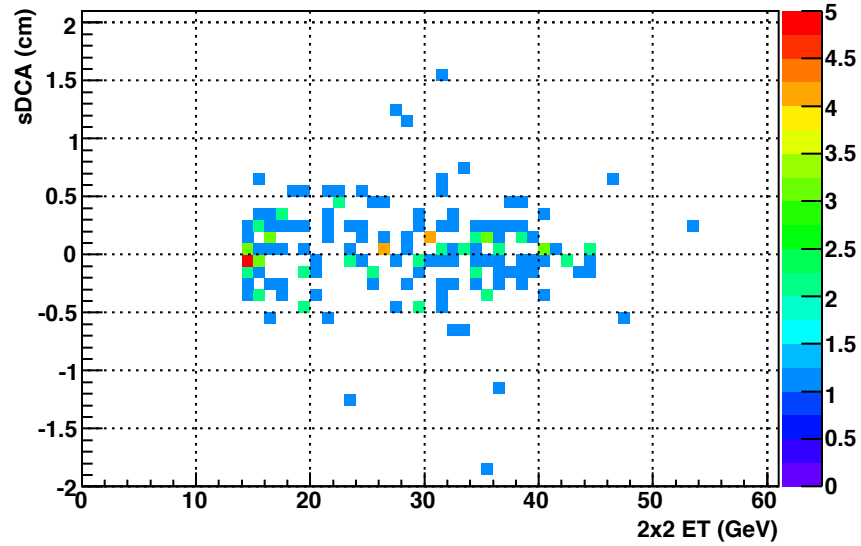
Barrel W: Track dEdx, final selection

Entries 270



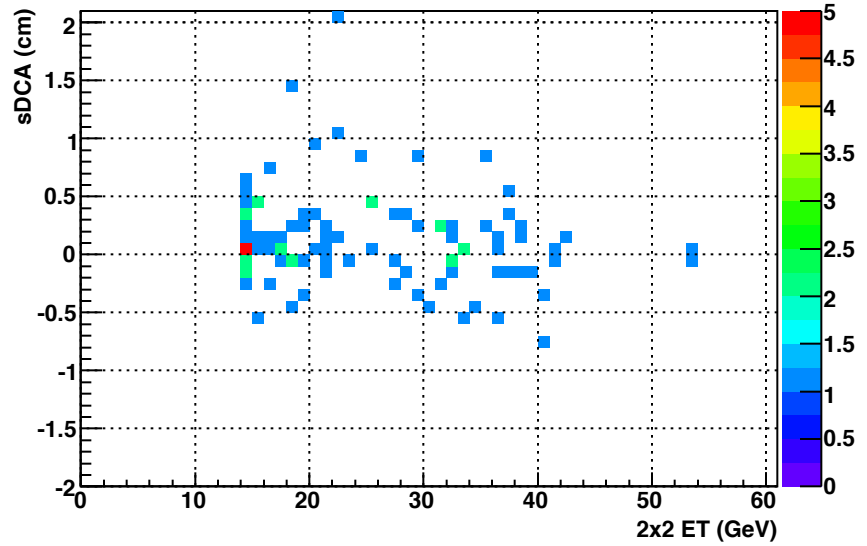
Barrel W: Track prim POSITIVE glob signed DCA, final selection

Entries 173



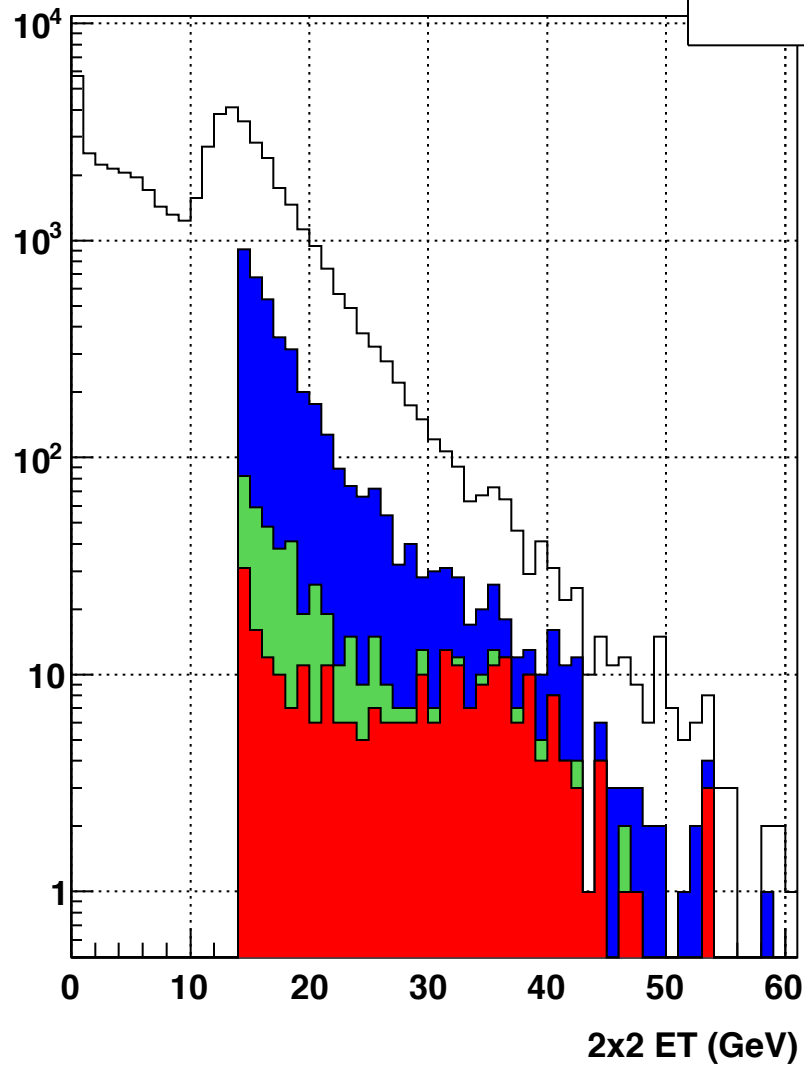
Barrel W: Track prim NEGATIVE glob signed DCA, final selection

Entries 97



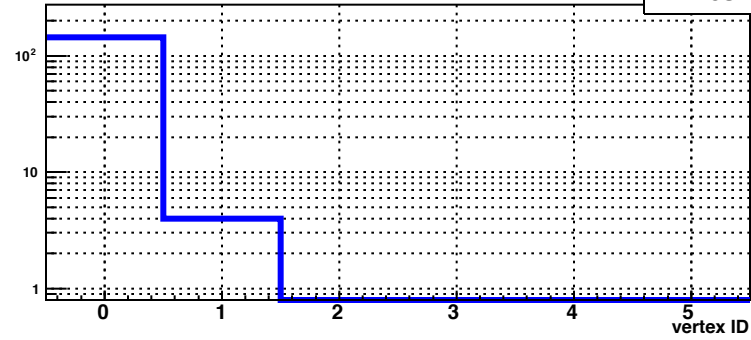
Barrel electron candidate, cut=max 2x2

Entries 52760



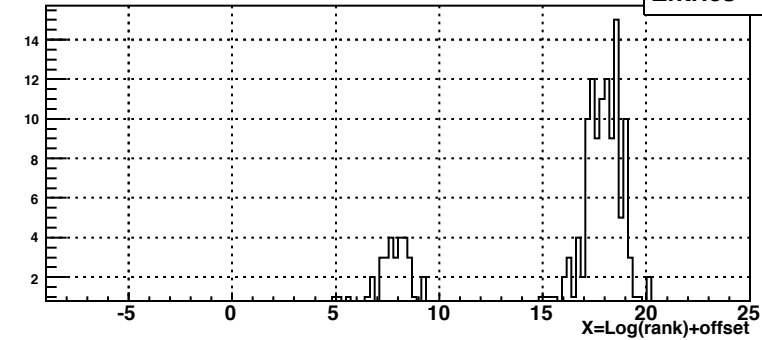
Barrel W: Vertex ID, final selection, 2x2 ET>25 GeV

Entries 149



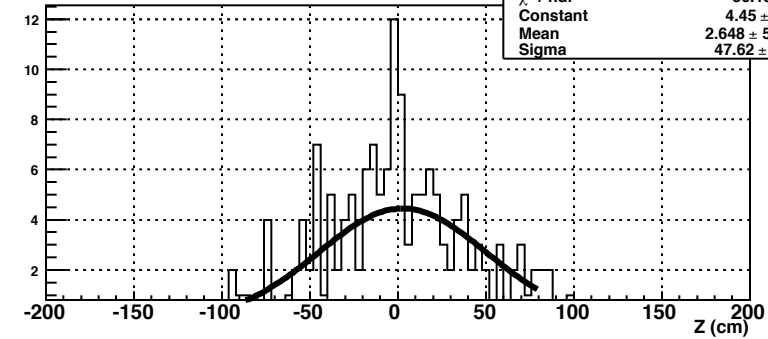
Barrel W: Vertex 'funny' rank, final W selection, 2x2 ET>25 GeV

Entries 149



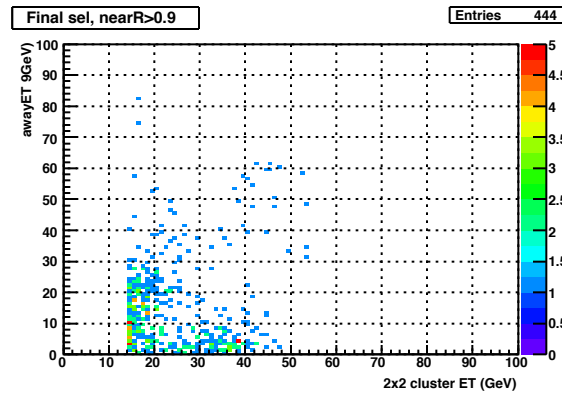
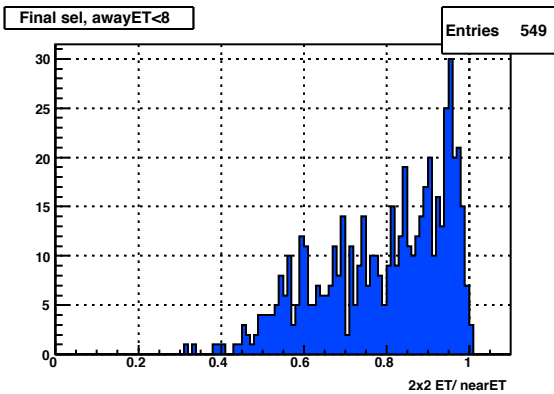
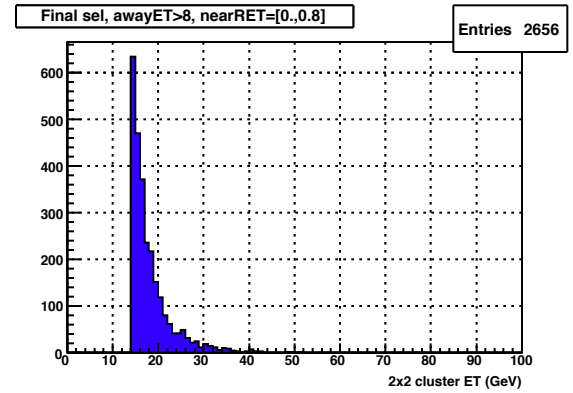
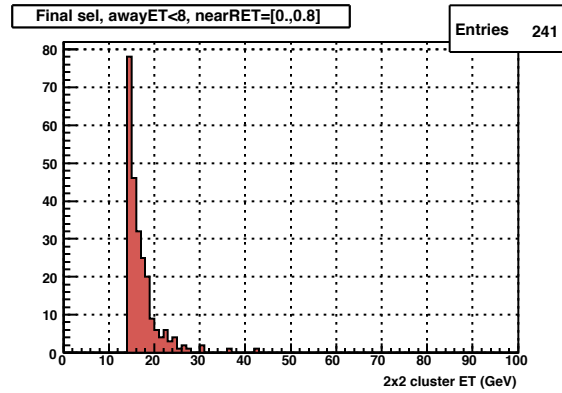
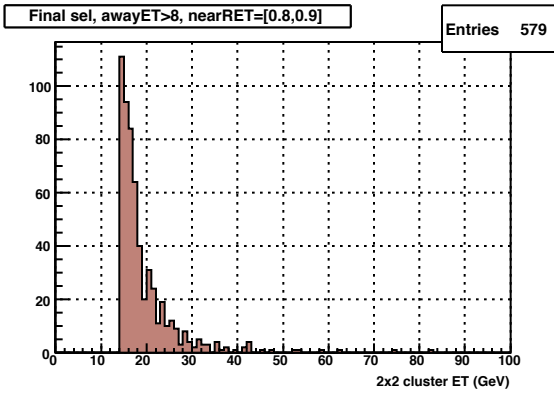
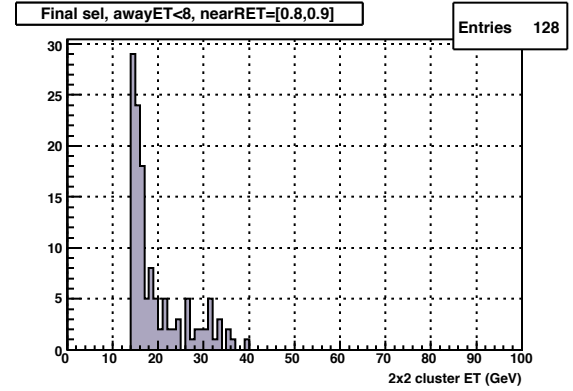
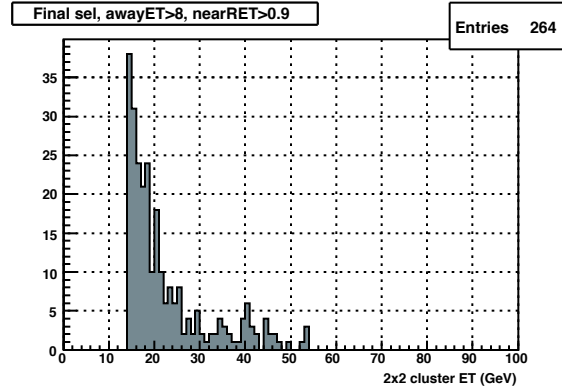
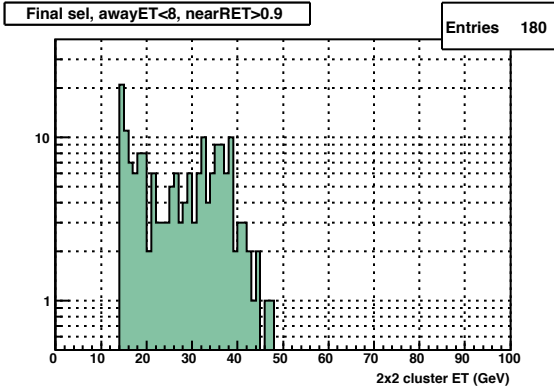
Barrel W: Vertex Z, final selection, 2x2 ET>25 GeV

Entries	149
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, page=19, Thu Jan 16 22:16:21 2014

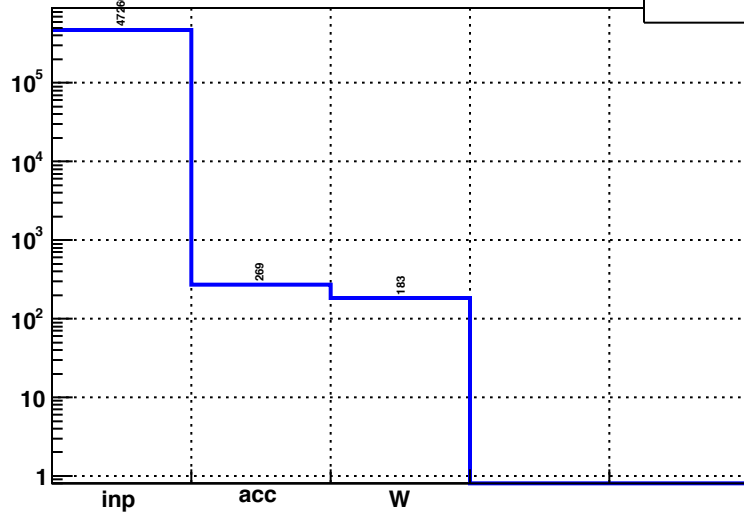
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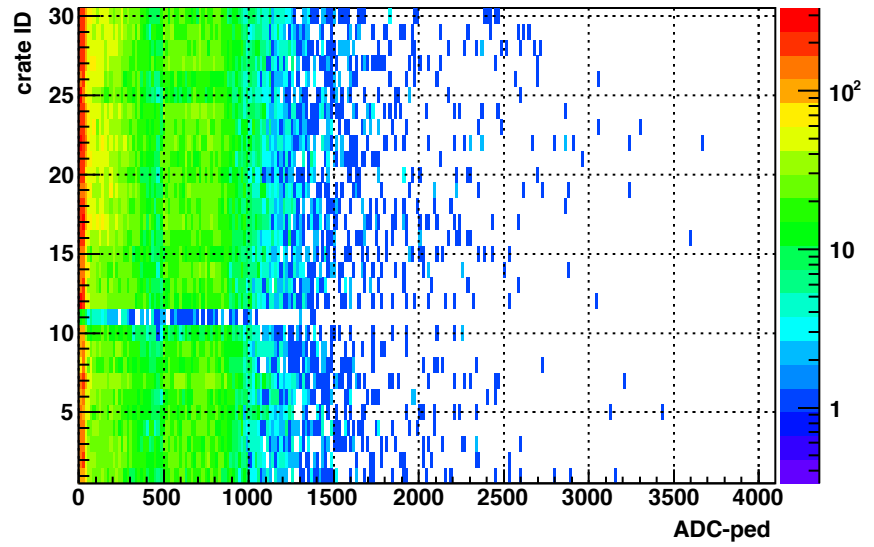
pub event count

Entries 474620



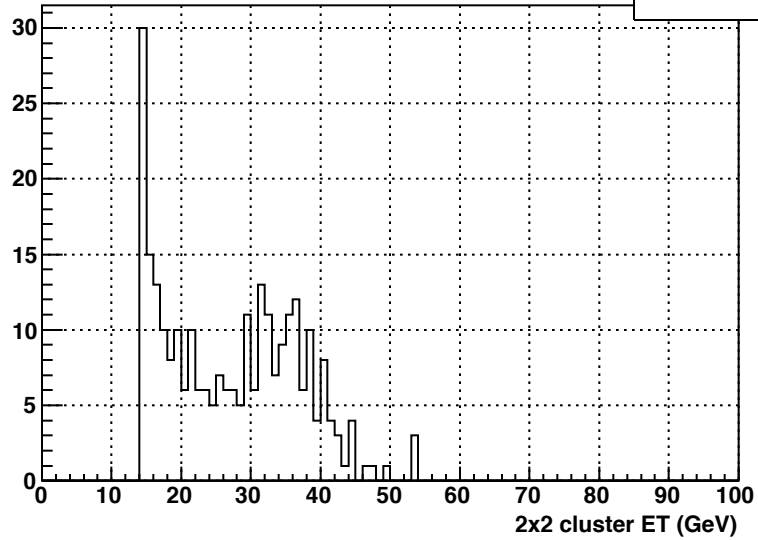
ADC of track pointed tower, per crate

Entries 50932

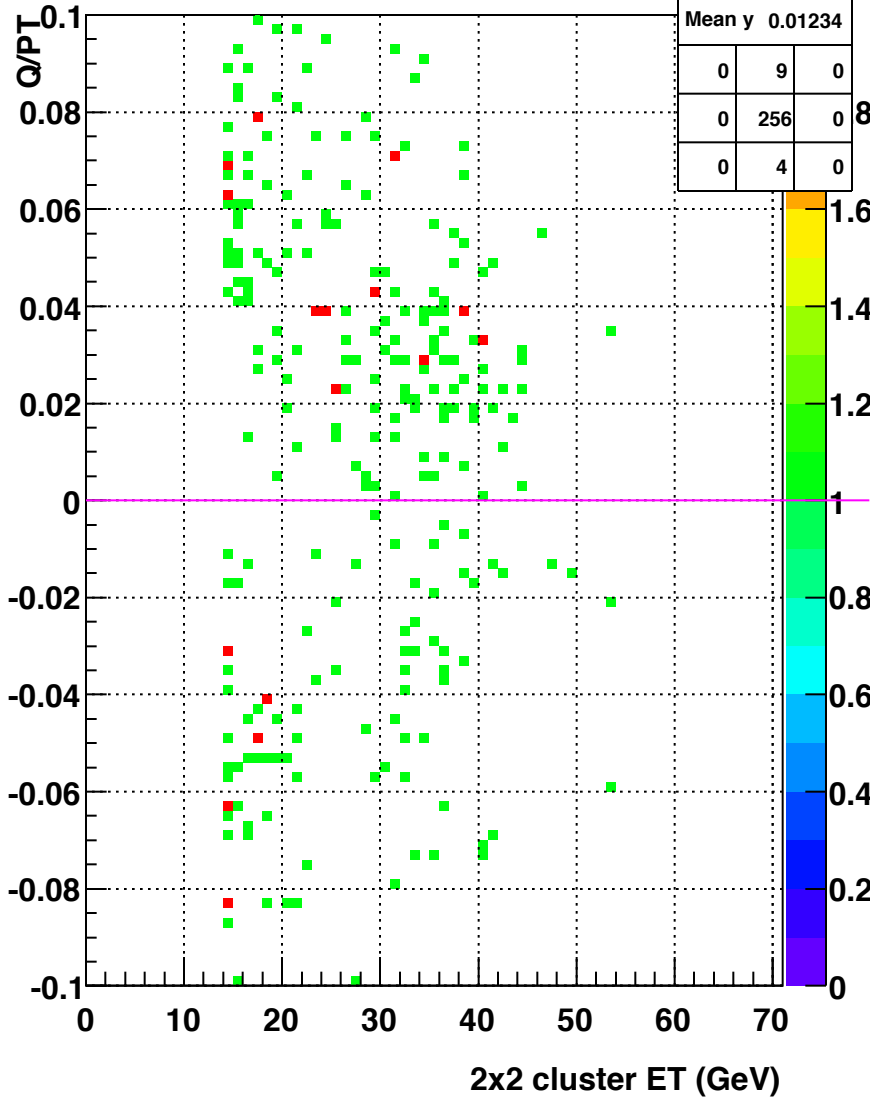


Final W selection

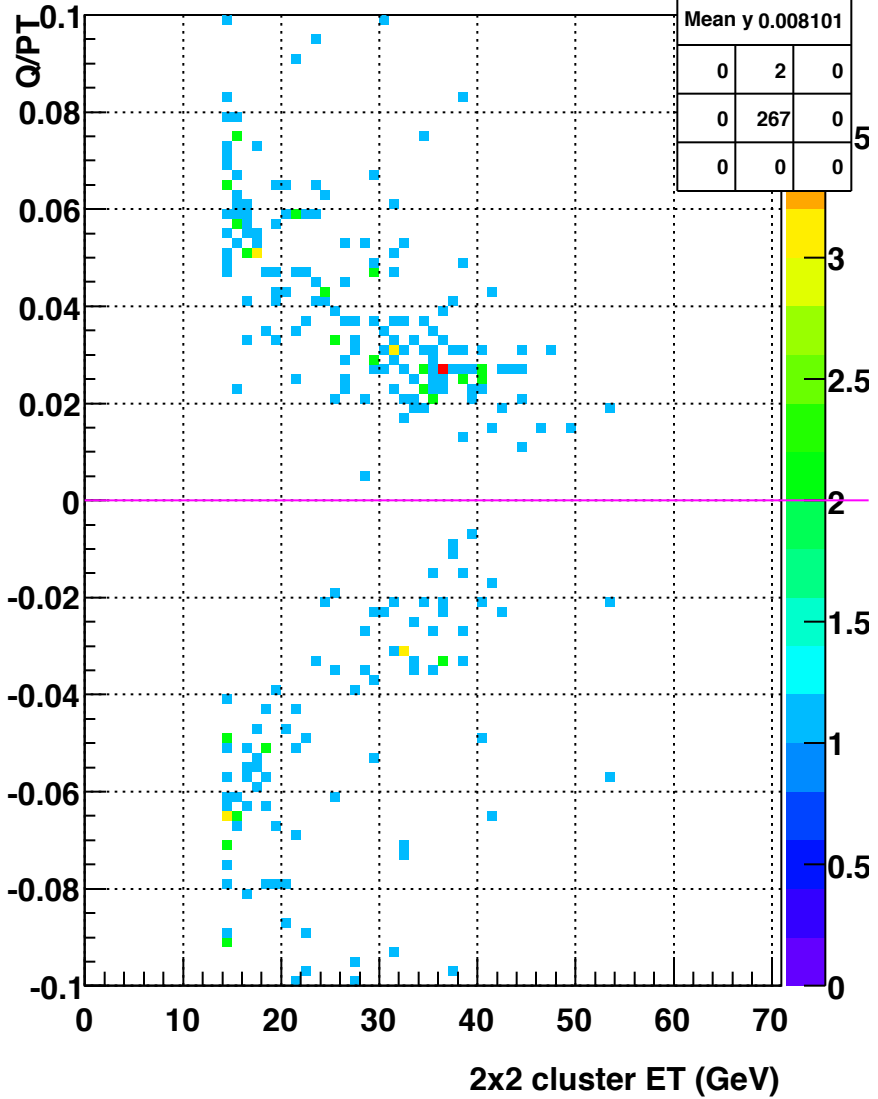
Entries 269



TPC GLOB Q/PT

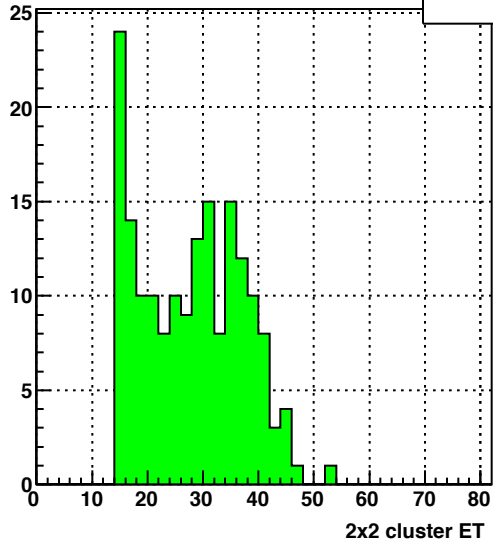


TPC PRIM Q/PT



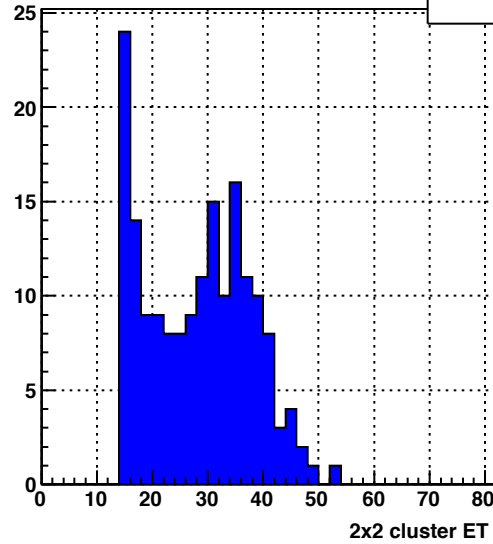
Final W glob Q=P

Entries 175



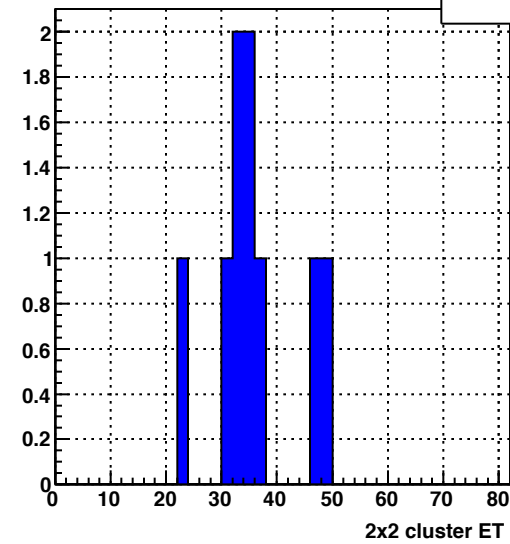
Final W prim Q=P

Entries 173



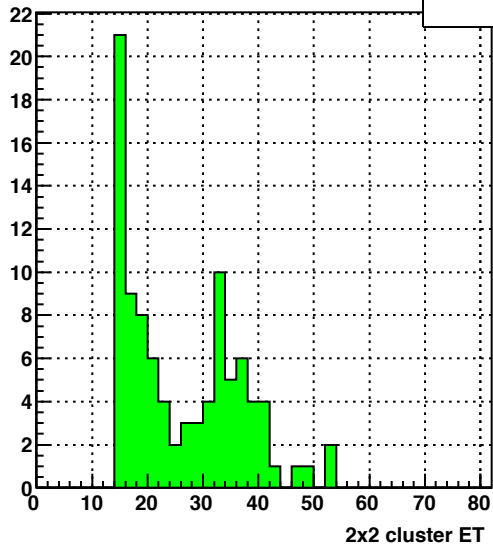
prim sign=P flip after V-refit

Entries 9



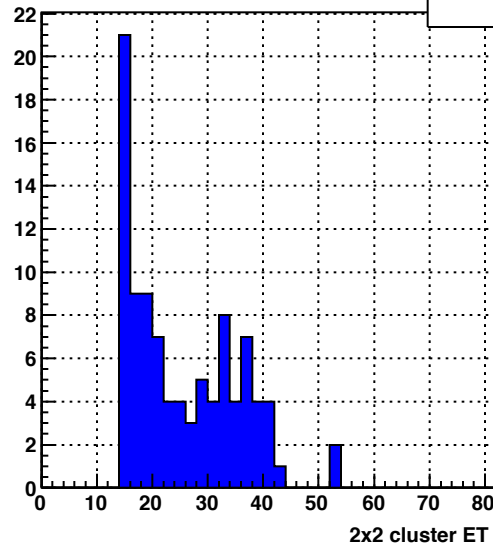
Final W glob Q=N

Entries 94



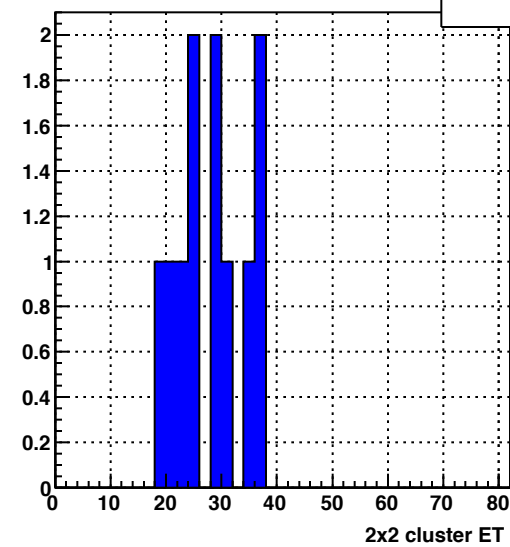
Final W prim Q=N

Entries 96

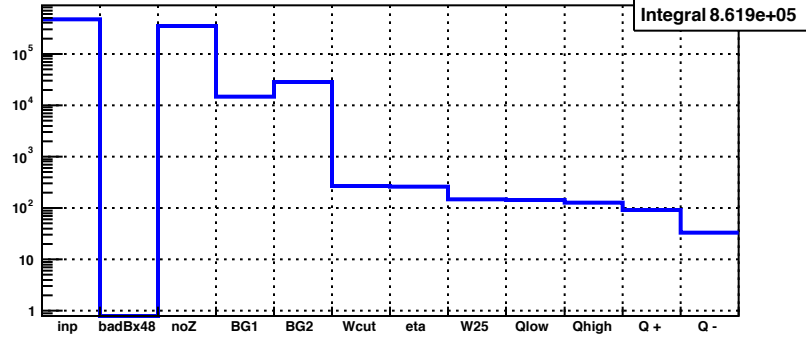


prim sign=N flip after V-refit

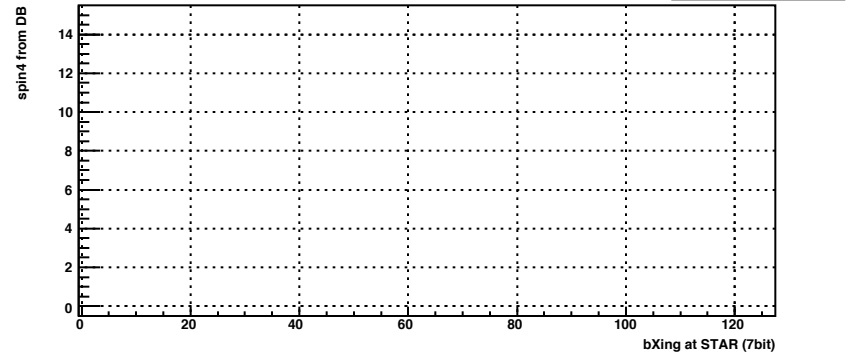
Entries 11



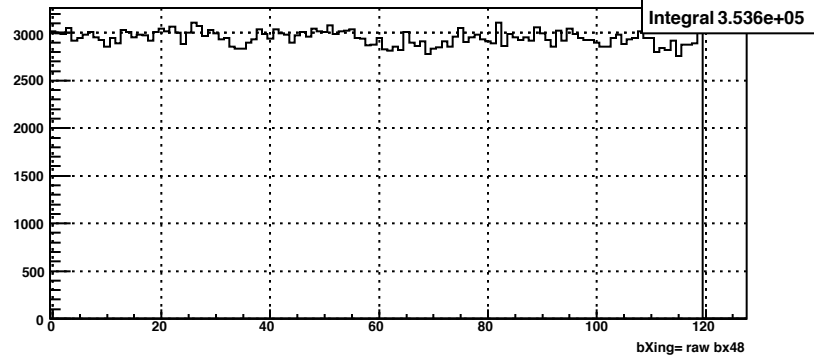
AspinBarrel event count



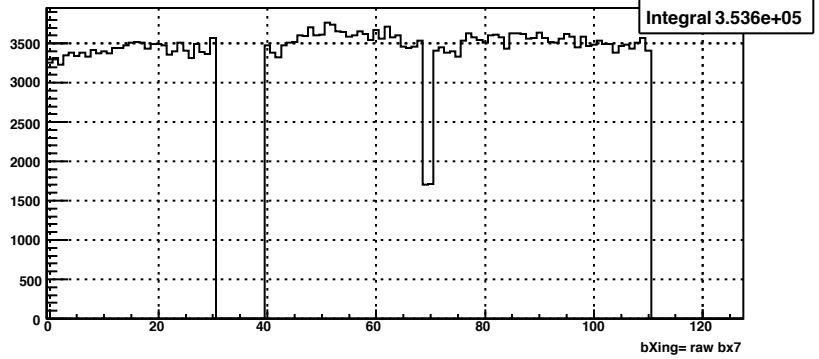
Barrel all L2W & vertex



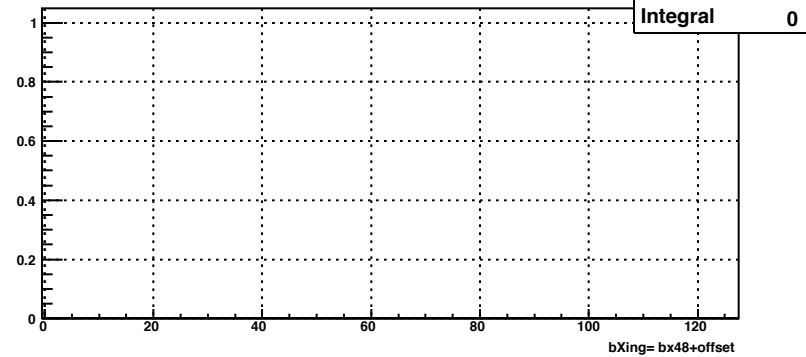
Barrel Rate vs. raw bx48



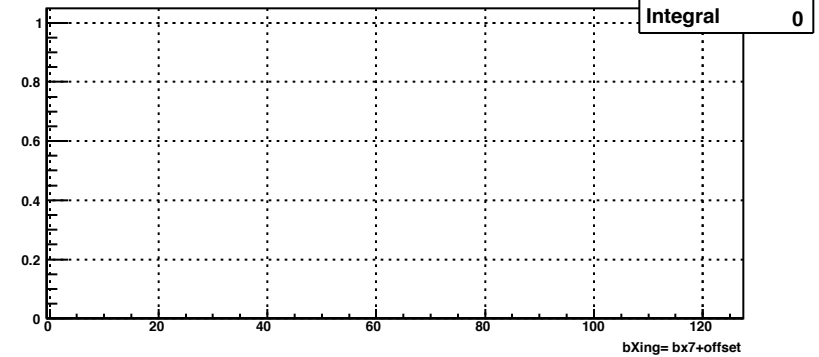
Barrel Rate vs. raw bx7



Barrel Rate vs. STAR IP bXing(bx48)



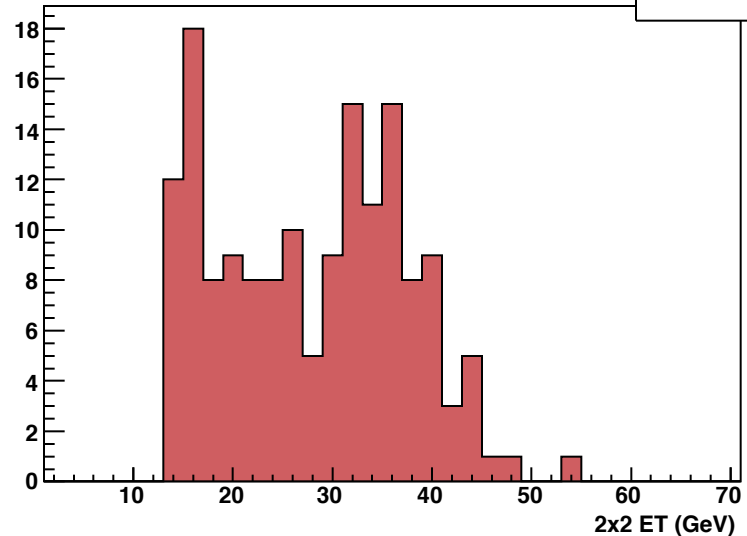
Barrel Rate vs. STAR IP bXing(bx7)



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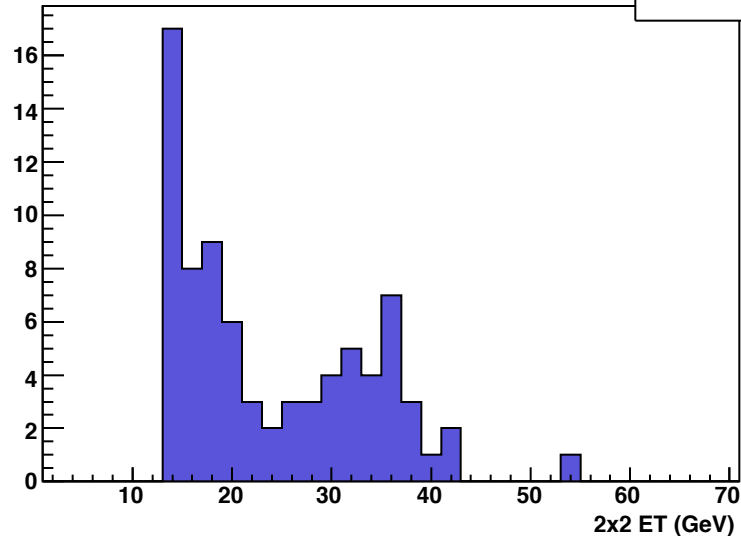
Final Barrel W, charge=P : Eta7

Entries 156



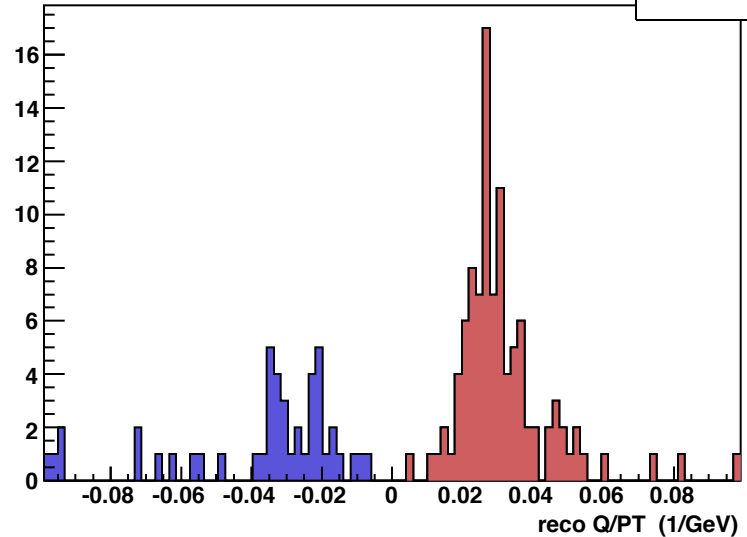
Final Barrel W, charge=N : Eta7

Entries 78



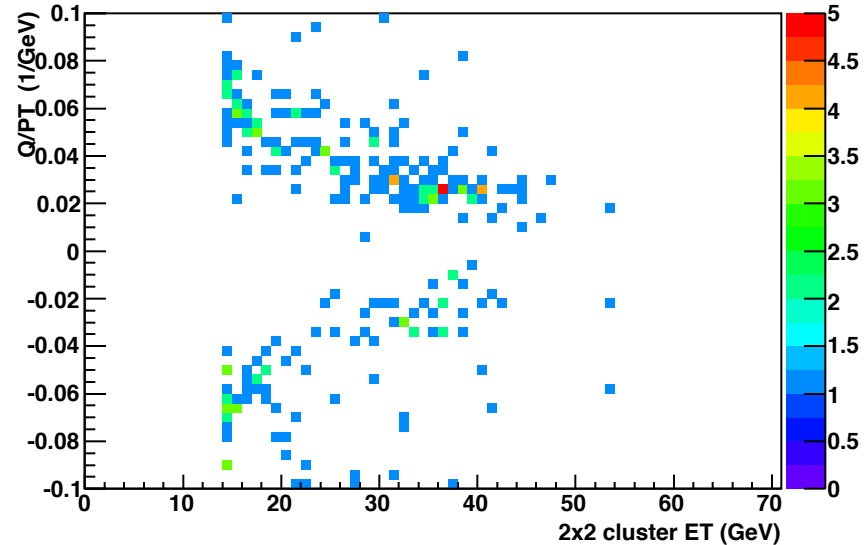
Barrel W ET>25 GeV

Entries 146



Barrel TPC PRIM Q/PT

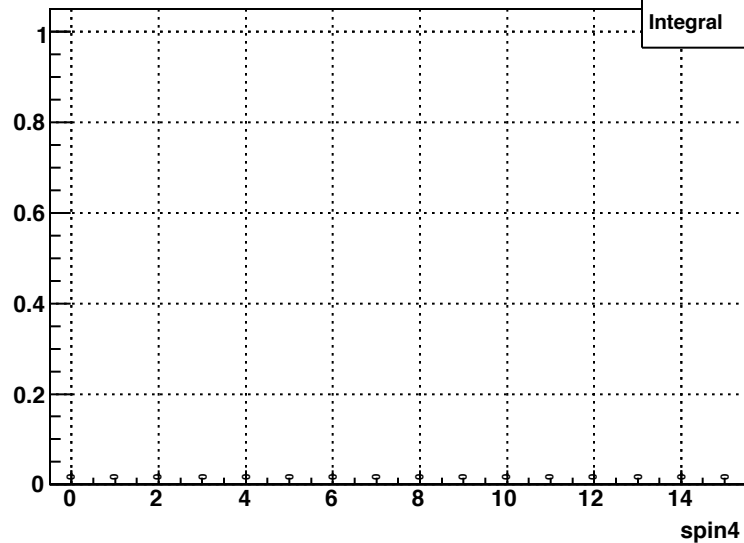
Entries 261



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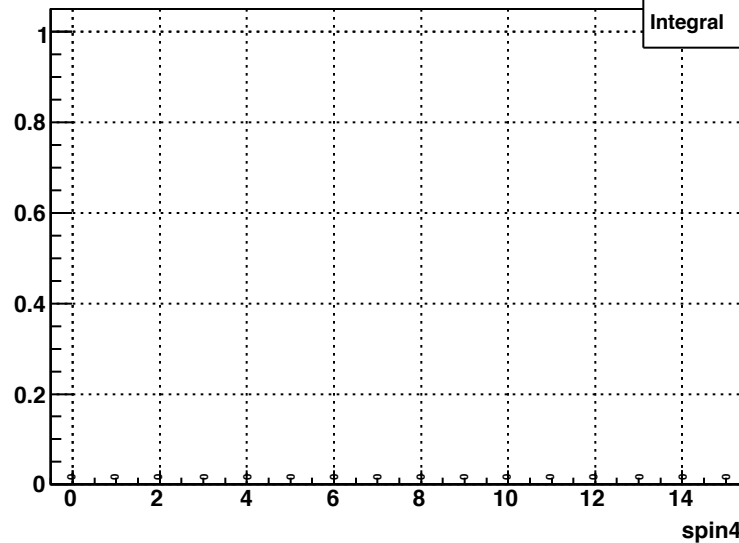
Barrel BG1: L2W-BHT3-rnd & vertex OK & low ET

Entries 14919
Integral 0



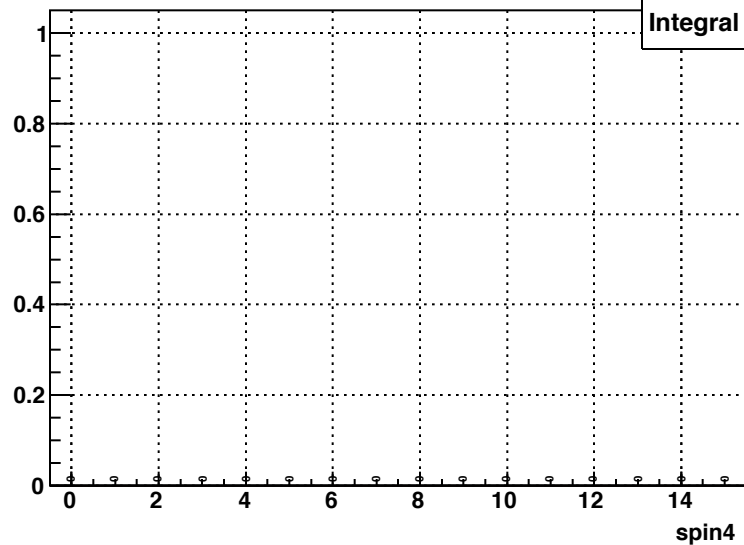
Barrel BG2: vertex & ET<20 & ET 2x2 << 4x4 : Eta7

Entries 28659
Integral 0



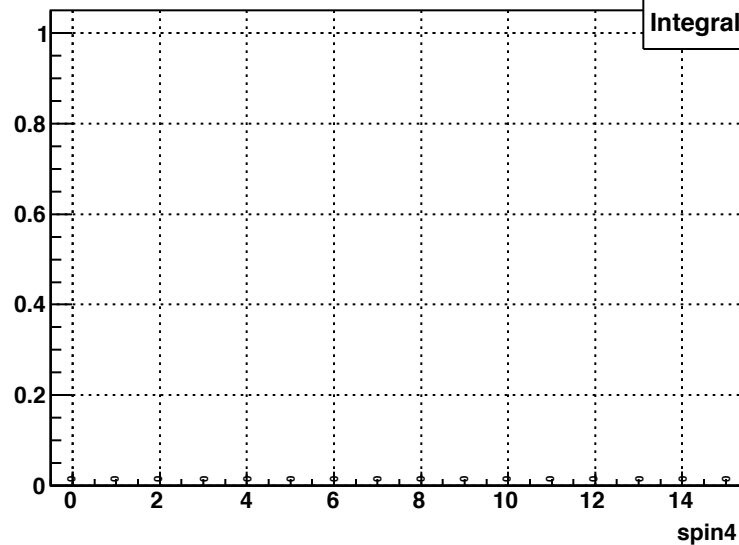
Final Barrel W Q=P, 2x2 ET=[25,50]GeV : Eta7

Entries 92
Integral 0



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

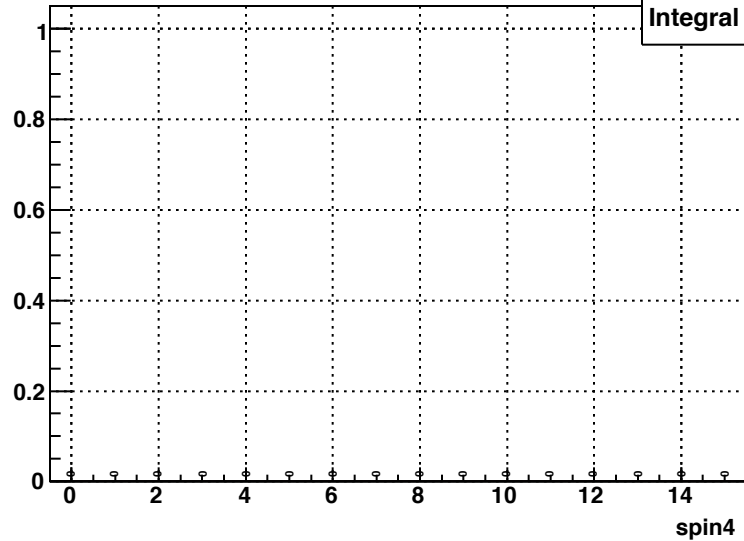
Entries 32
Integral 0



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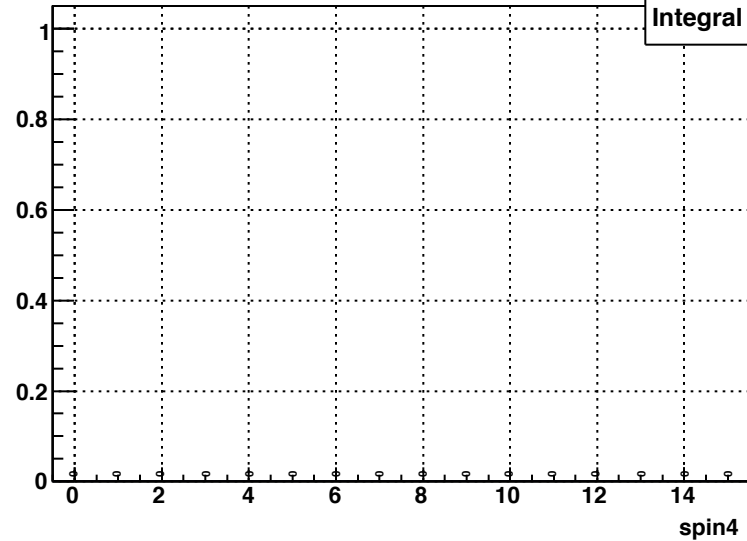
Final Barrel W Q=P, 2x2 ET=[32,44]GeV : Eta7

Entries 53
Integral 0



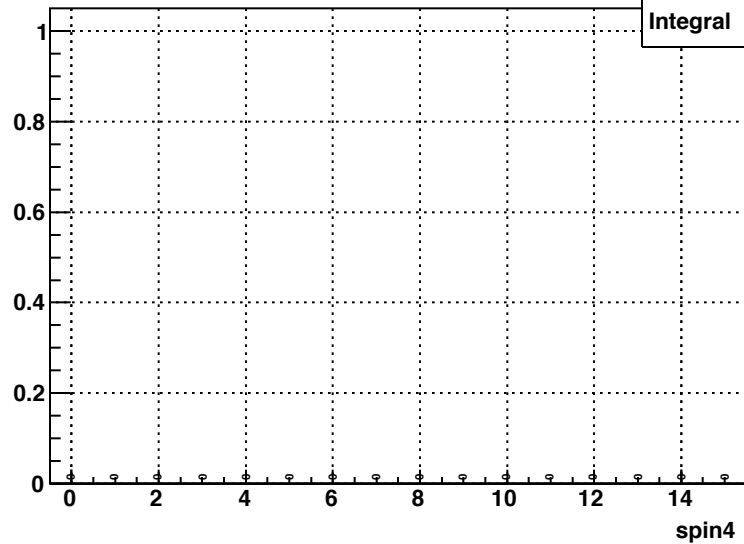
Final Barrel W Q=N, 2x2 ET=[32,44]GeV : Eta7

Entries 20
Integral 0



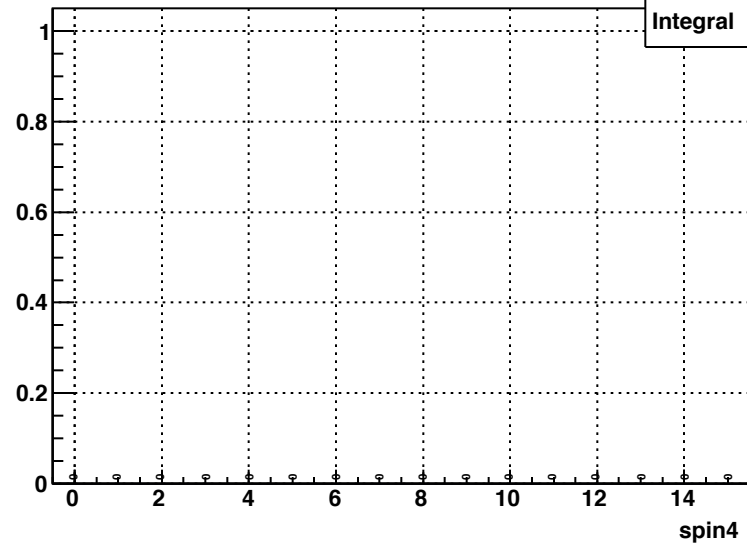
Final Barrel QCD Q=P, 2x2 ET=[15,20]GeV : Eta7

Entries 1116
Integral 0



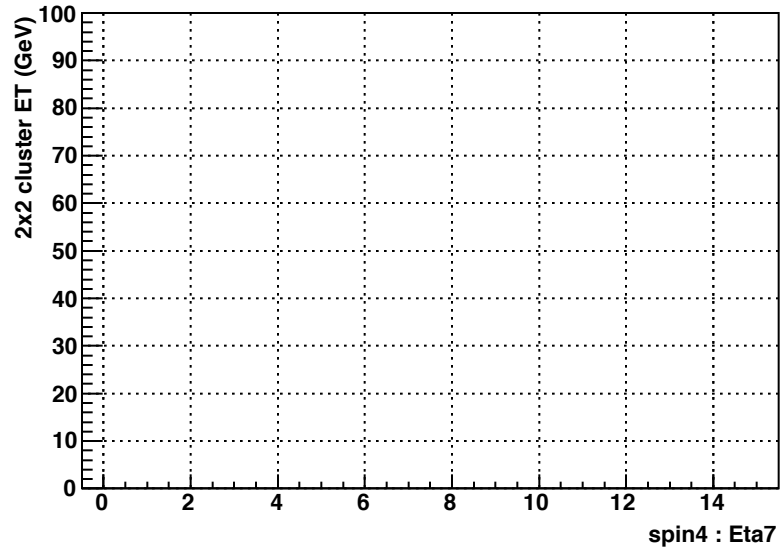
Final Barrel QCD Q=N, 2x2 ET=[15,20]GeV : Eta7

Entries 872
Integral 0



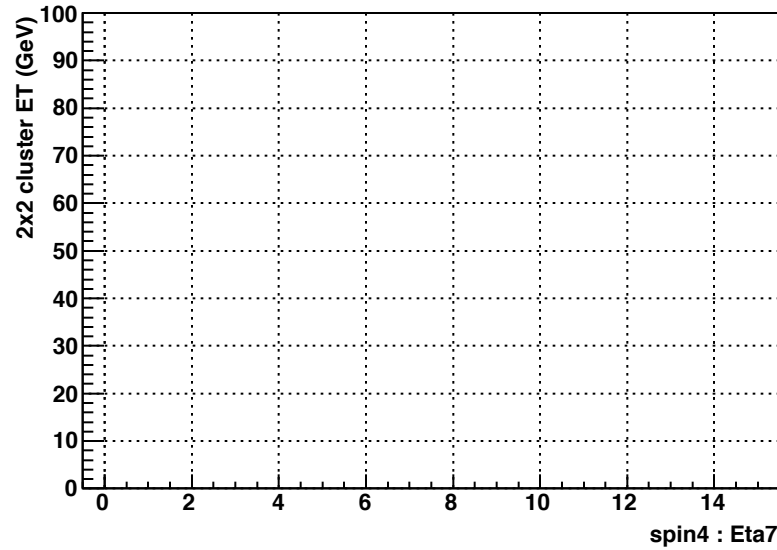
Final Barrel 2x2 ET Q=P

Entries 156



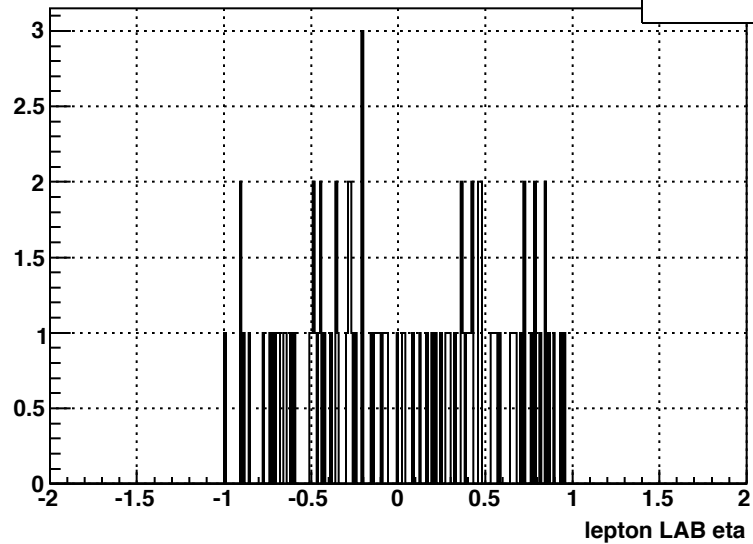
Final Barrel 2x2 ET Q=N

Entries 78



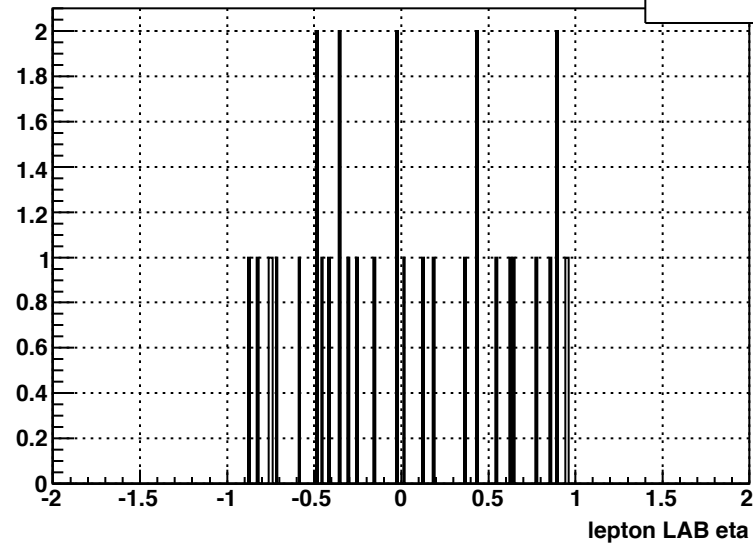
selecting Barrel Ws Q=P : Eta7

Entries 92

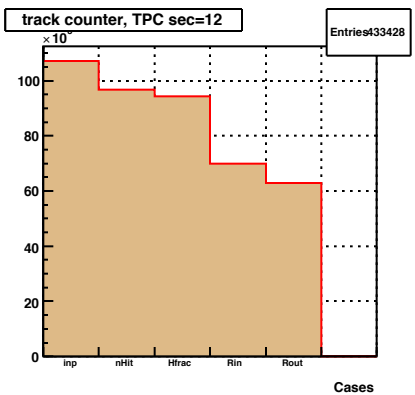
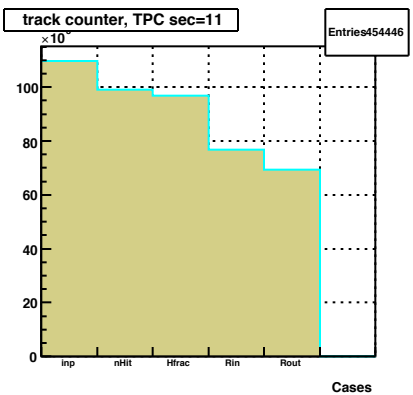
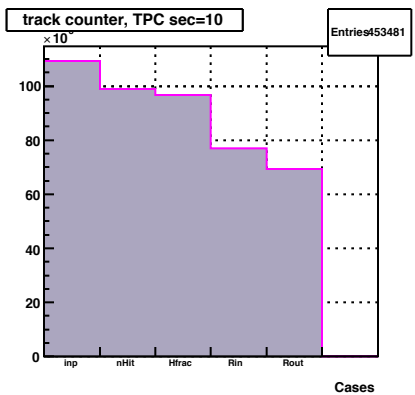
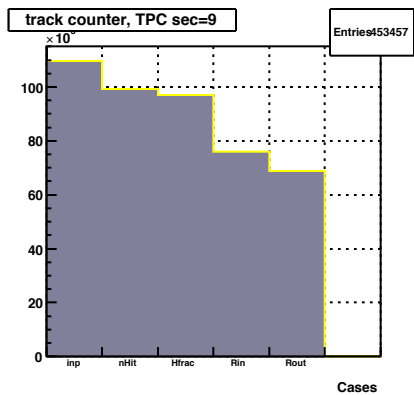
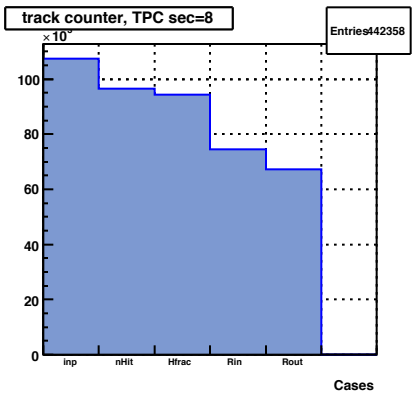
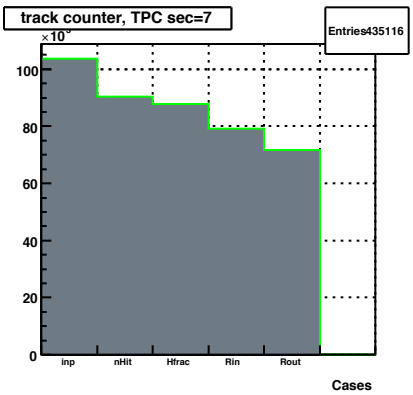
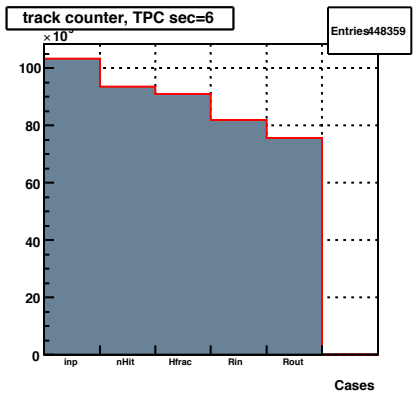
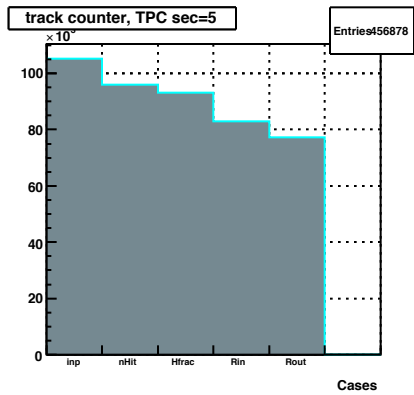
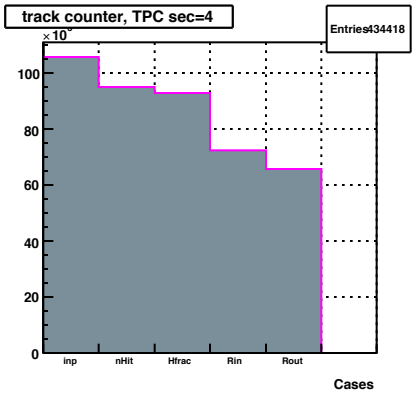
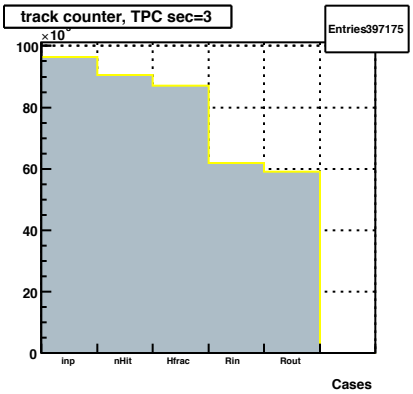
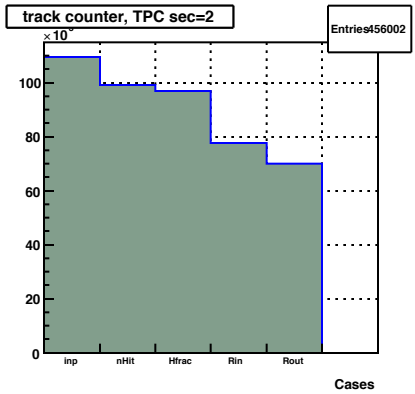
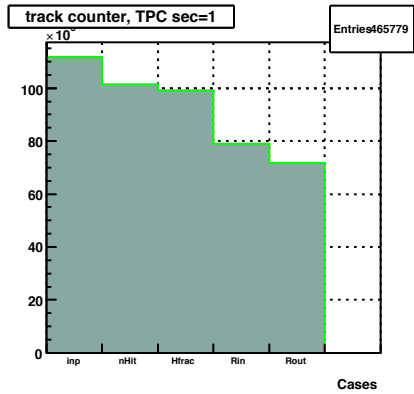


selecting Barrel Ws Q=N : Eta7

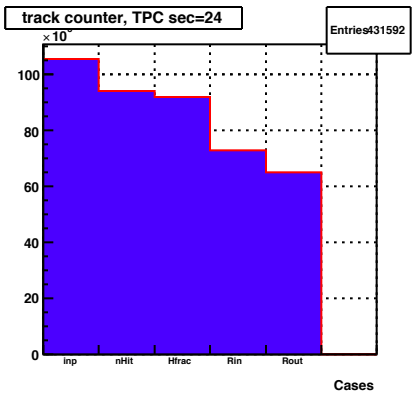
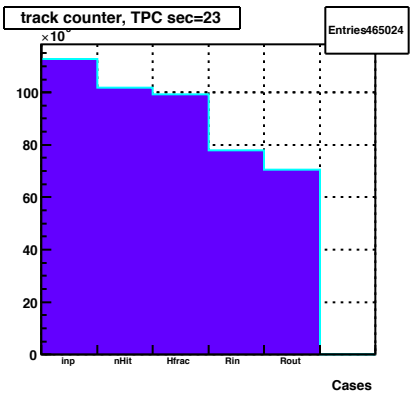
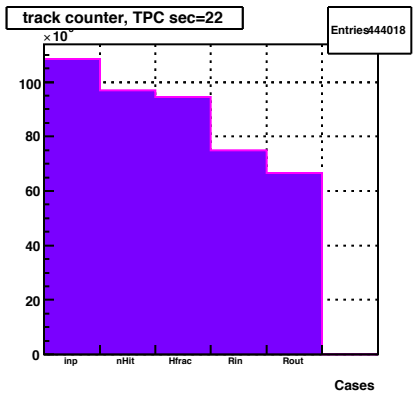
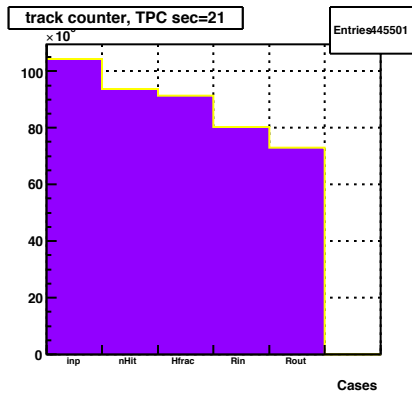
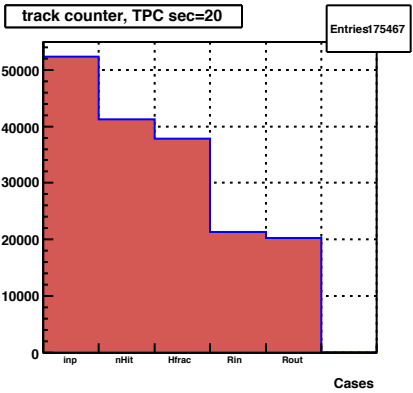
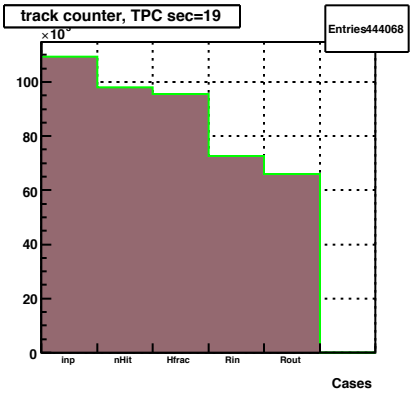
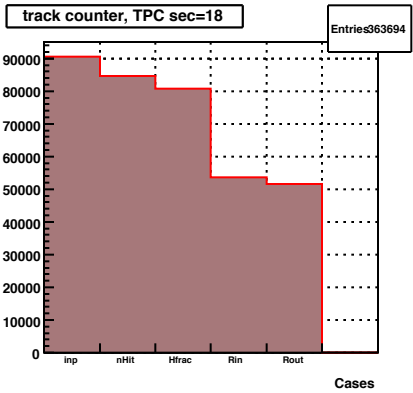
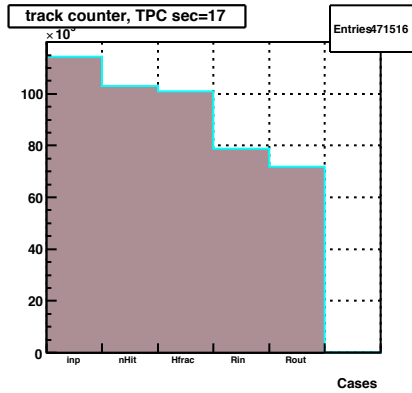
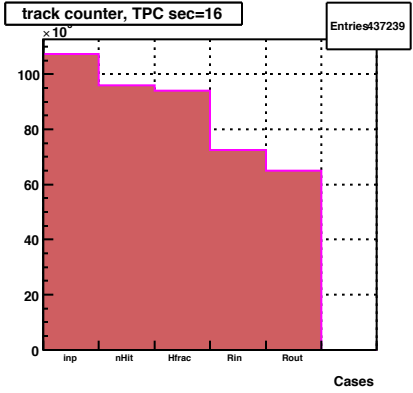
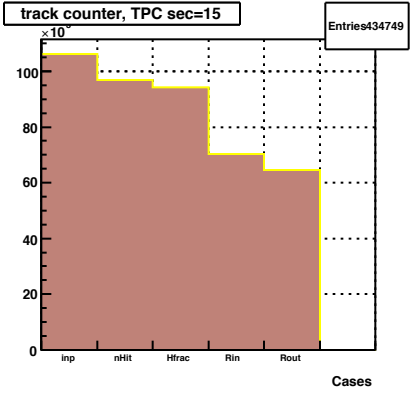
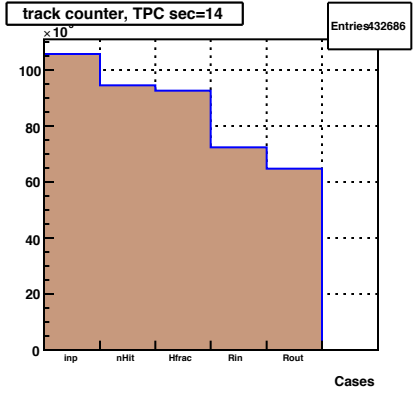
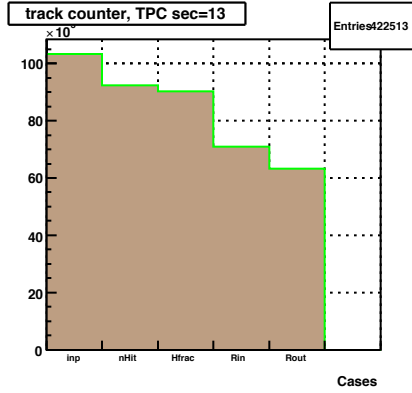
Entries 32



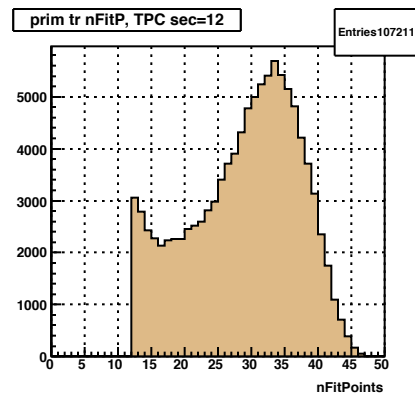
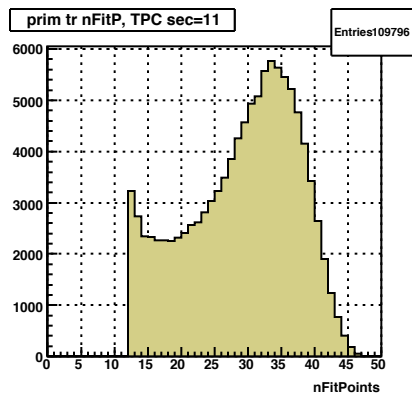
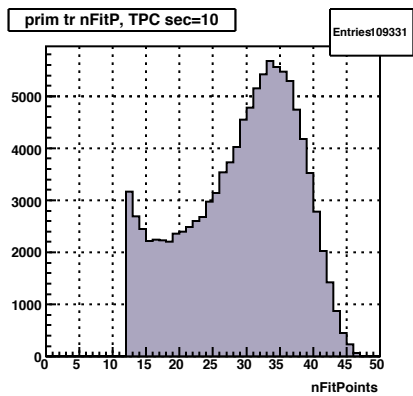
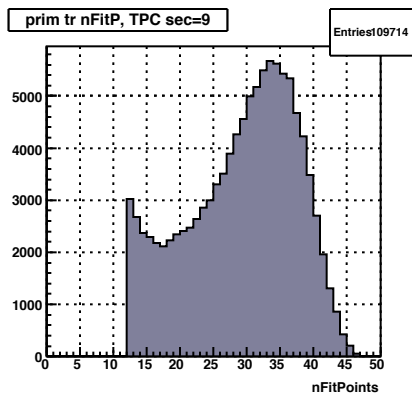
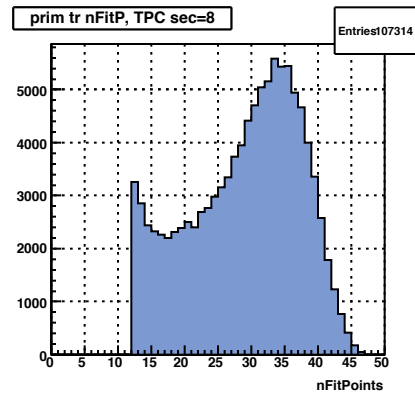
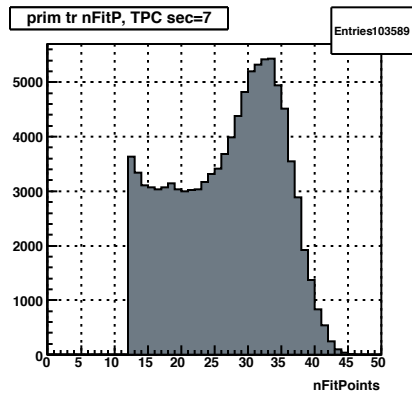
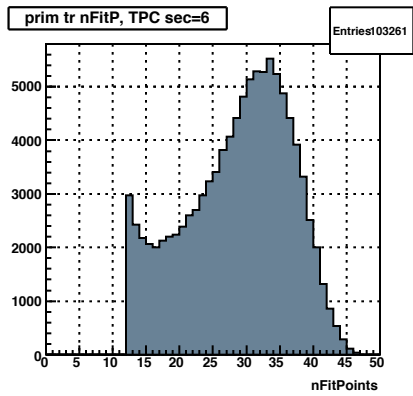
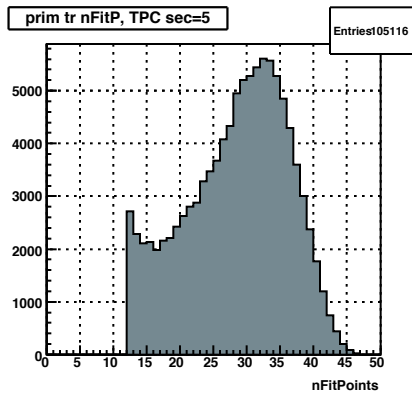
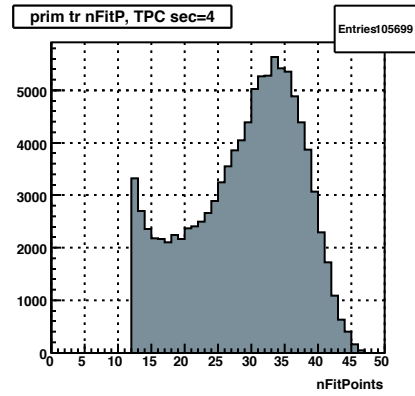
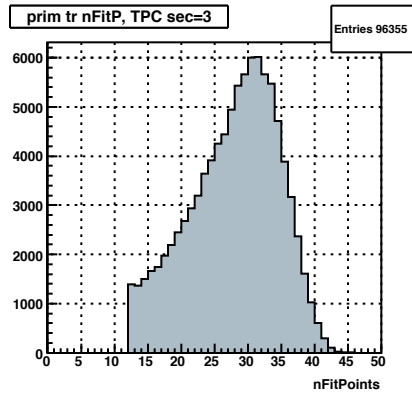
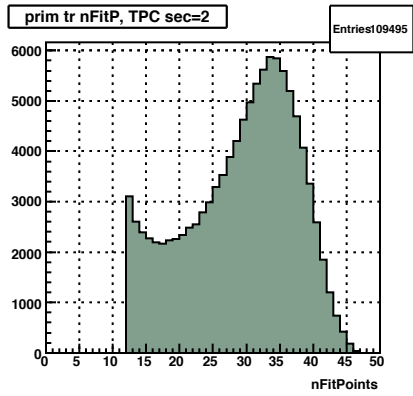
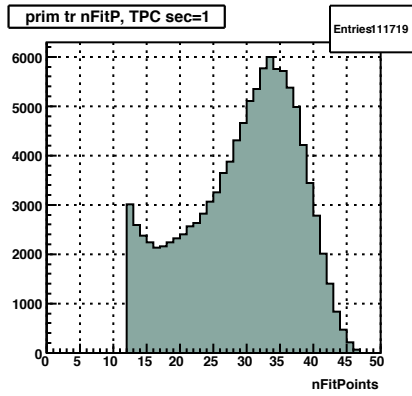
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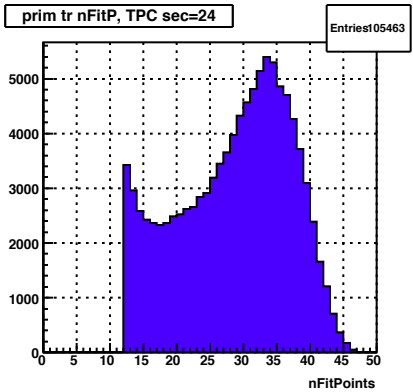
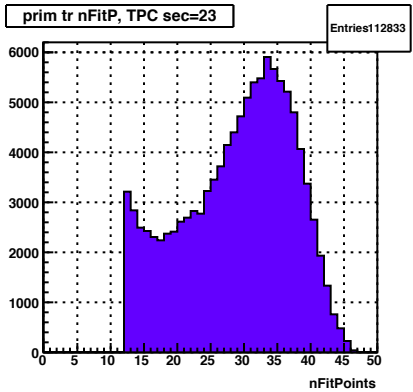
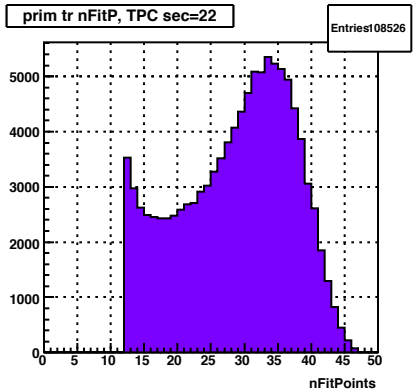
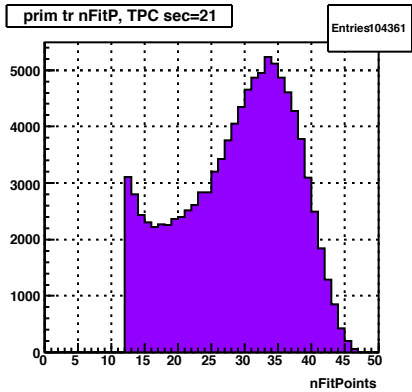
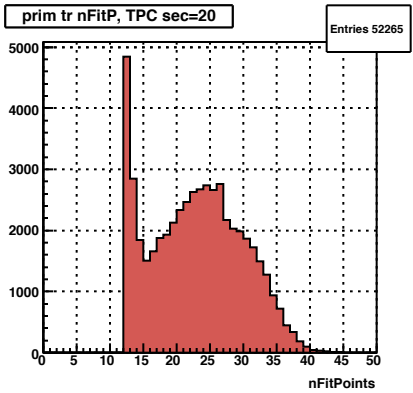
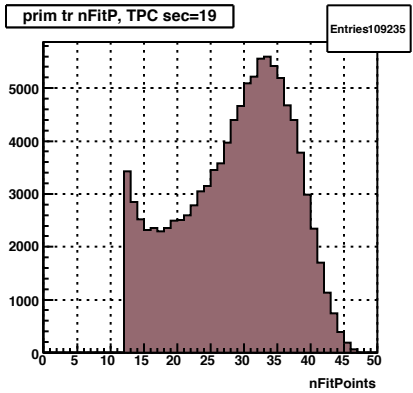
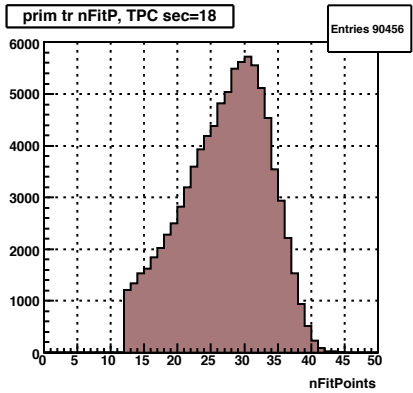
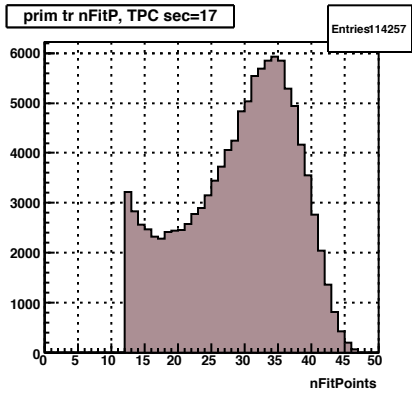
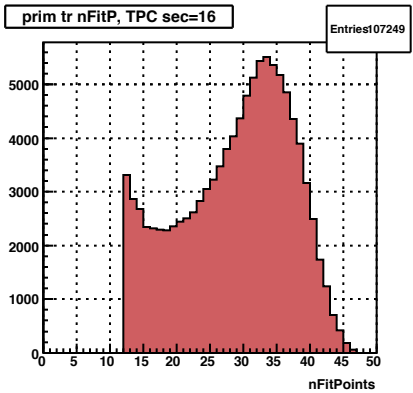
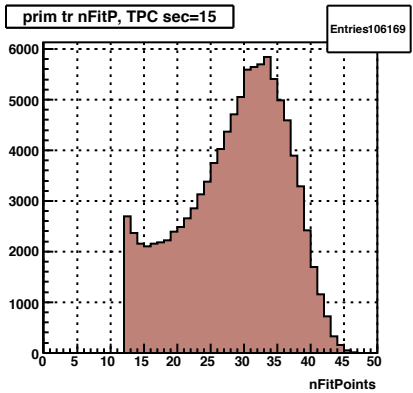
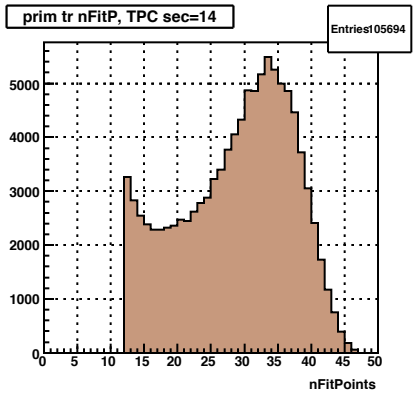
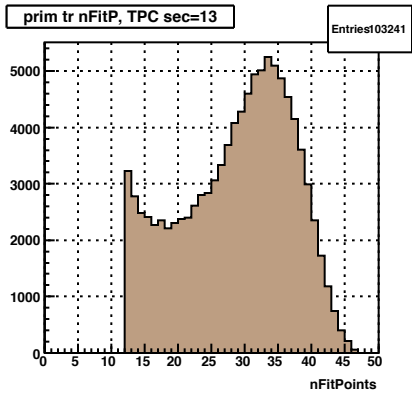
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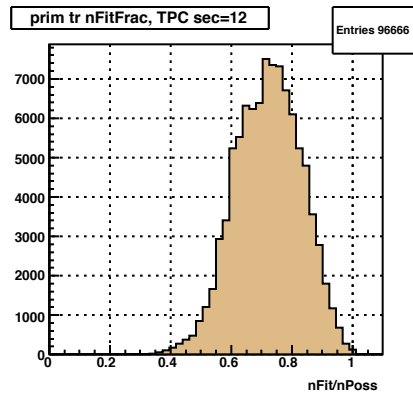
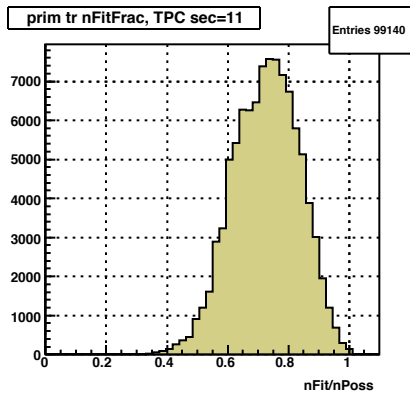
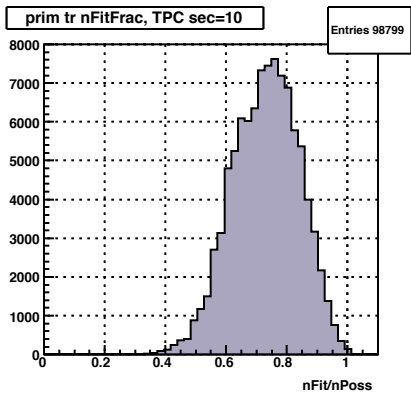
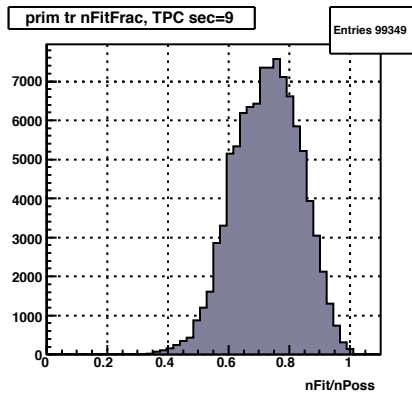
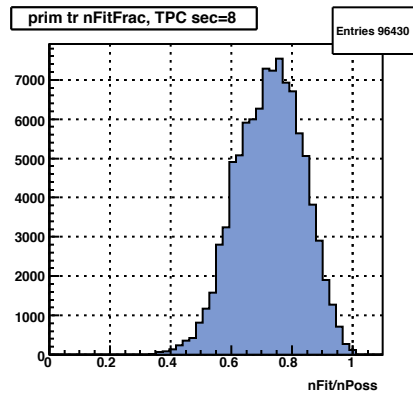
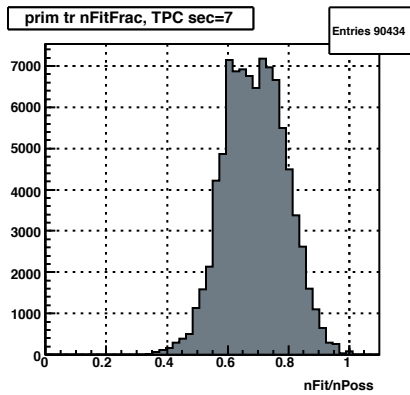
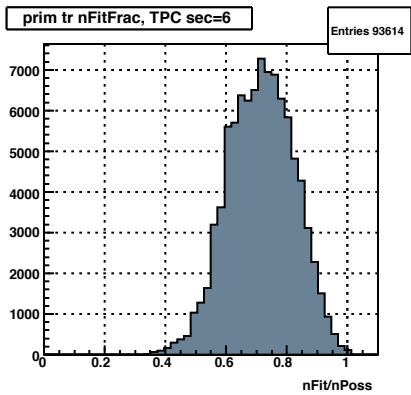
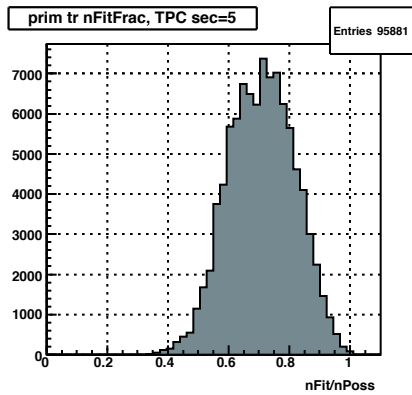
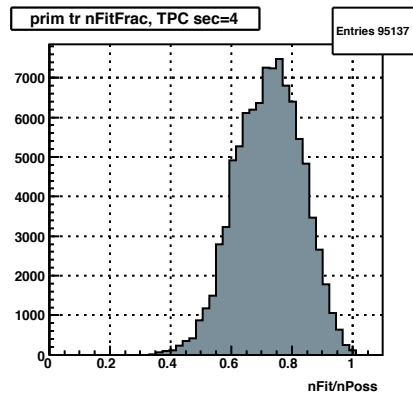
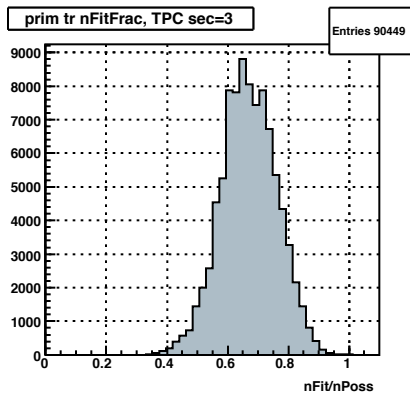
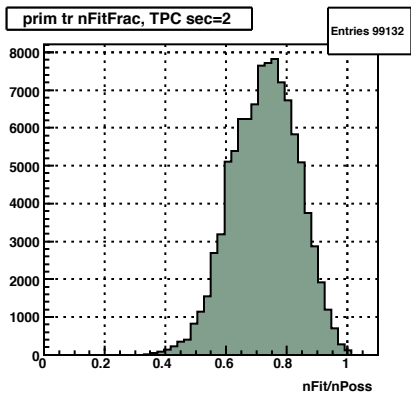
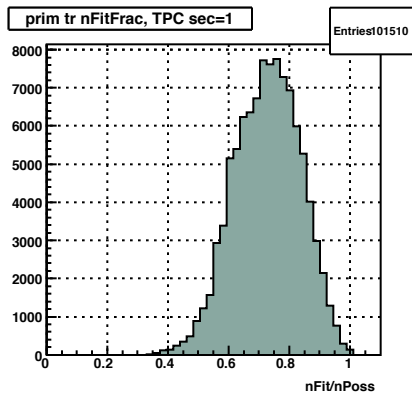
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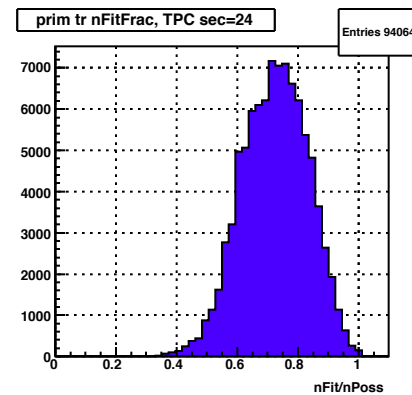
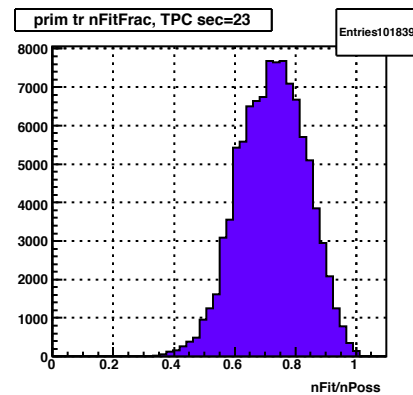
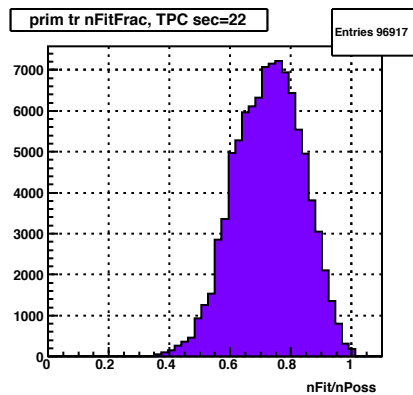
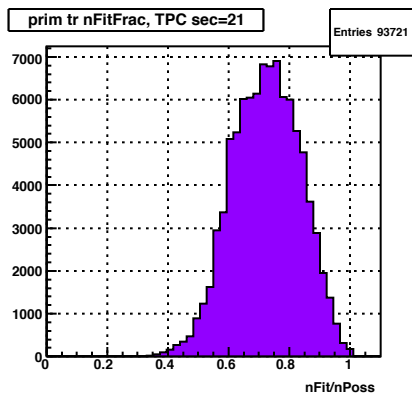
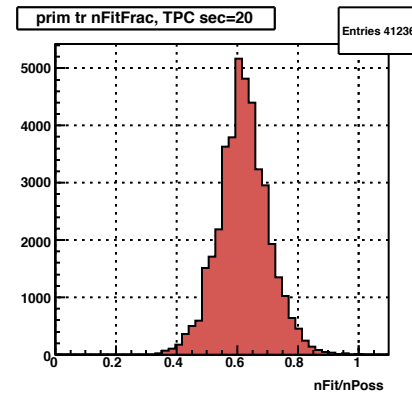
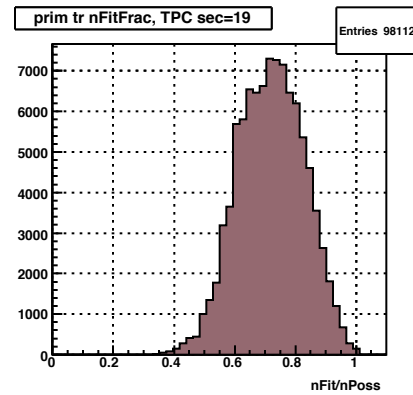
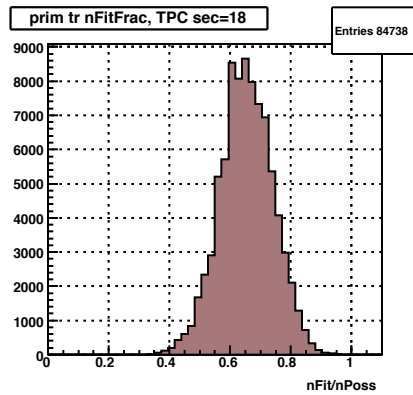
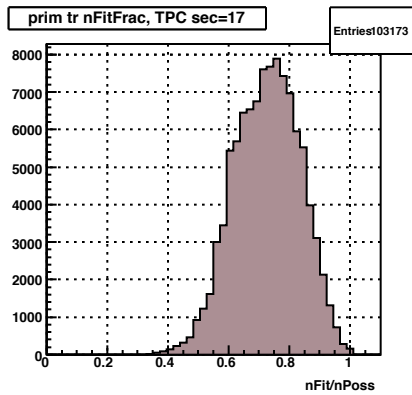
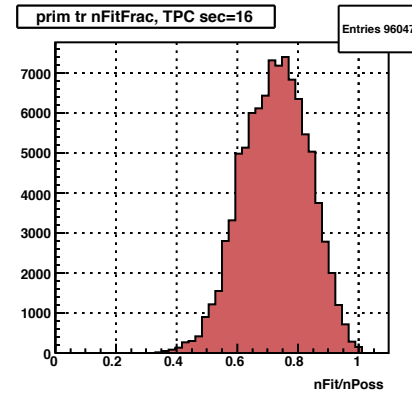
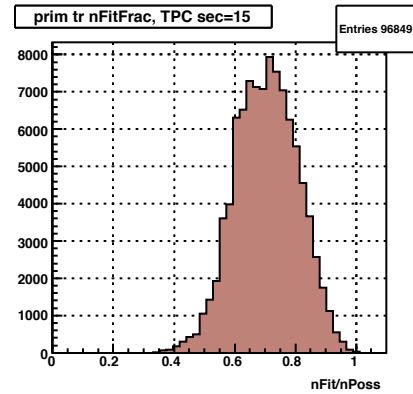
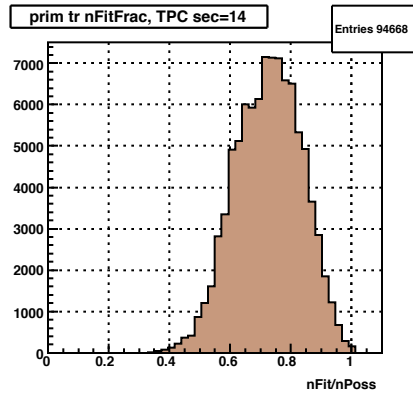
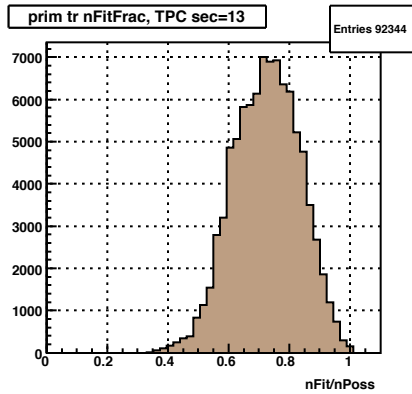
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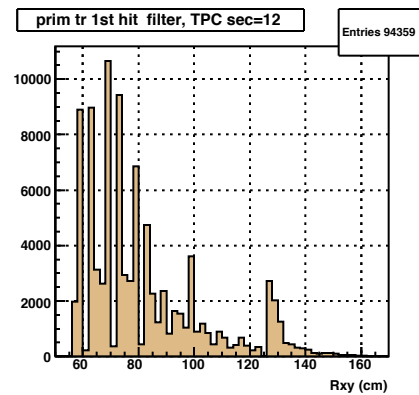
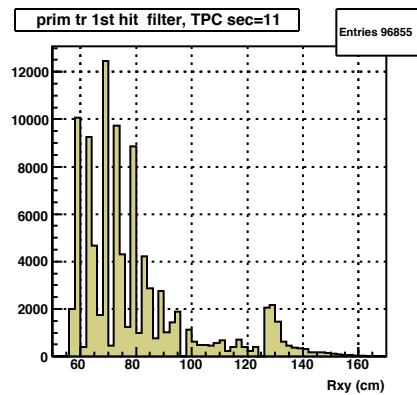
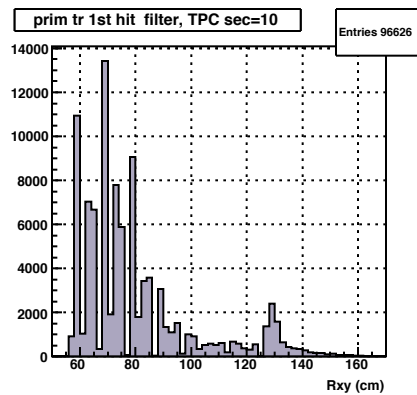
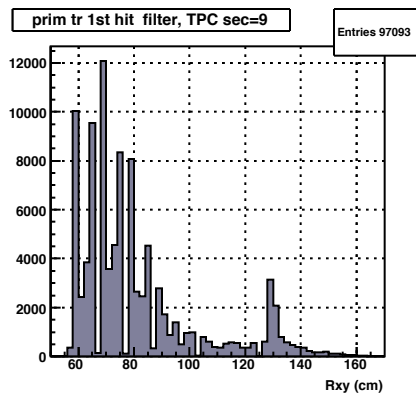
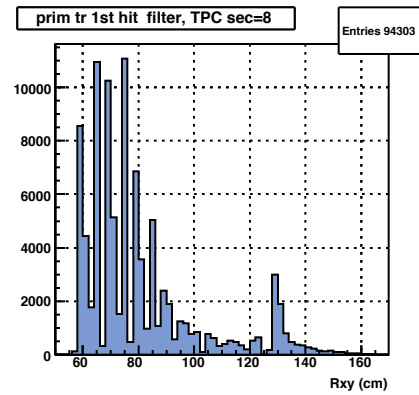
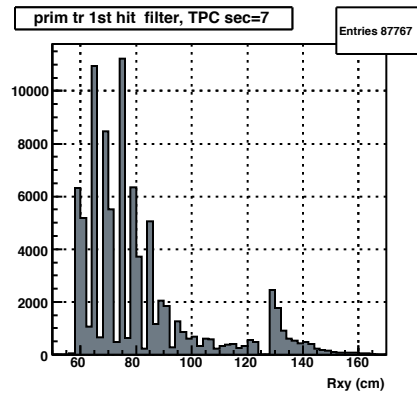
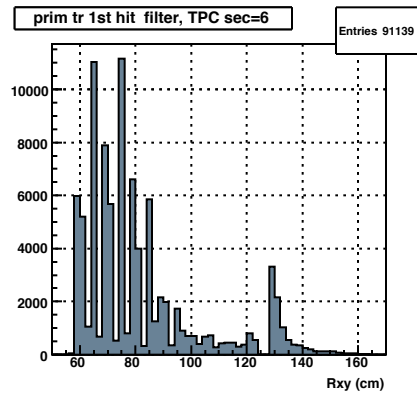
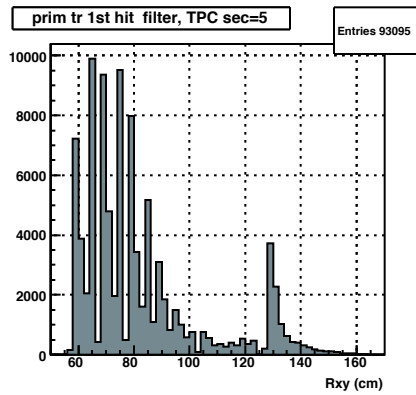
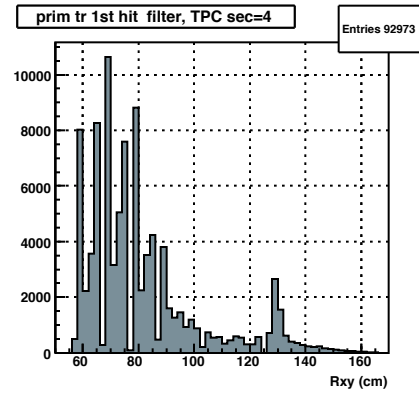
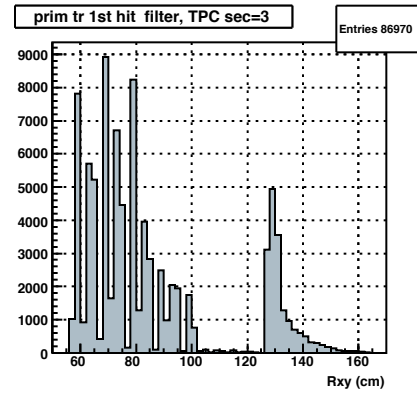
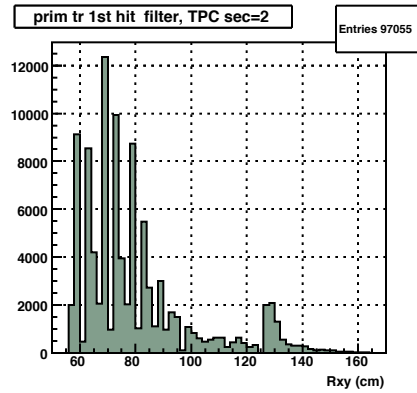
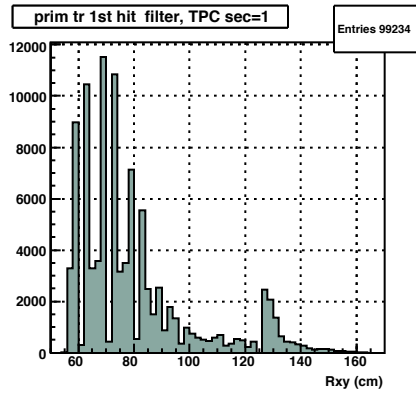
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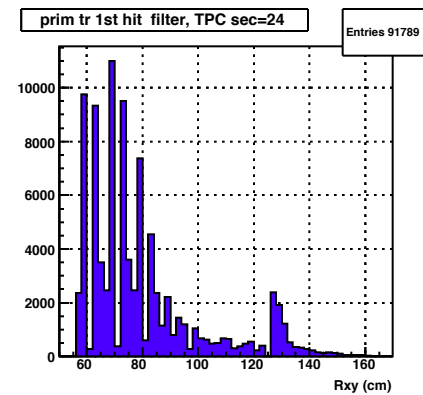
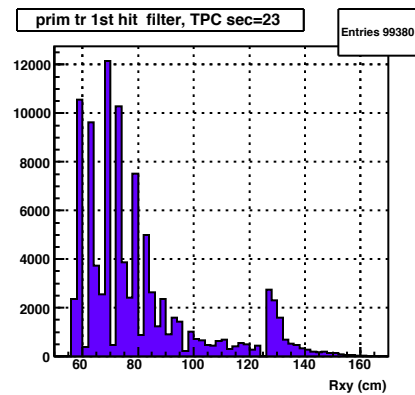
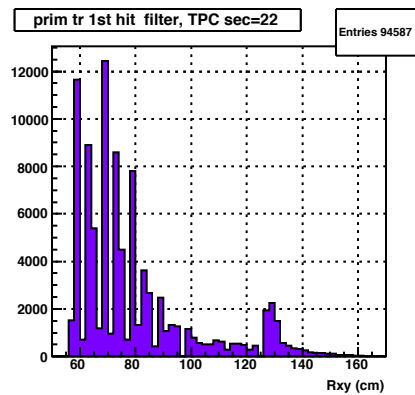
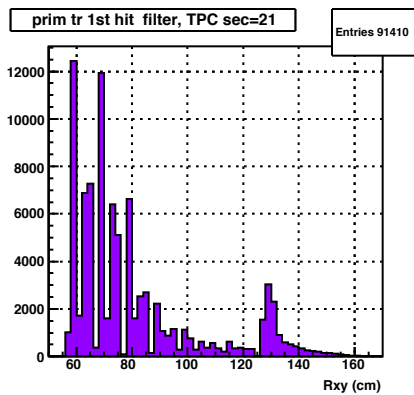
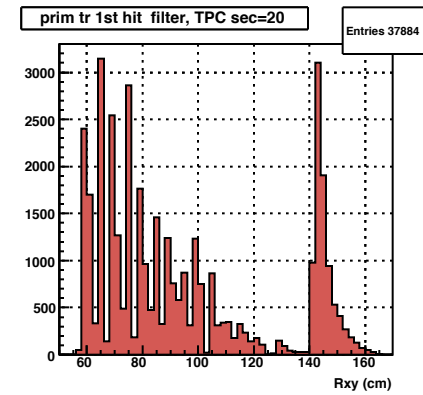
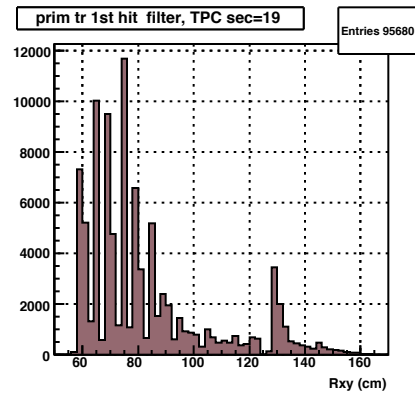
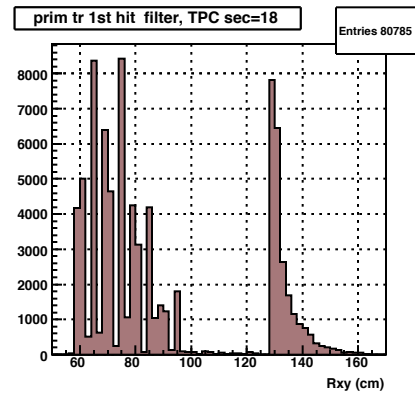
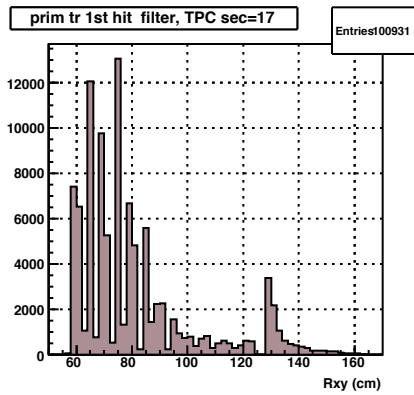
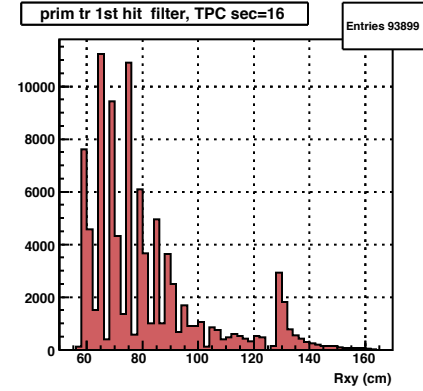
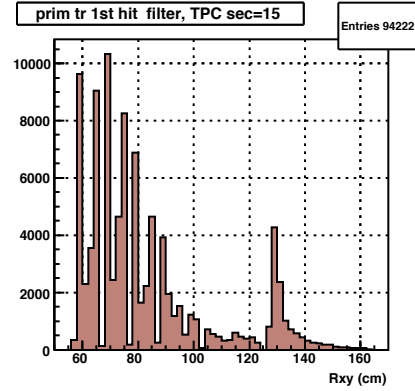
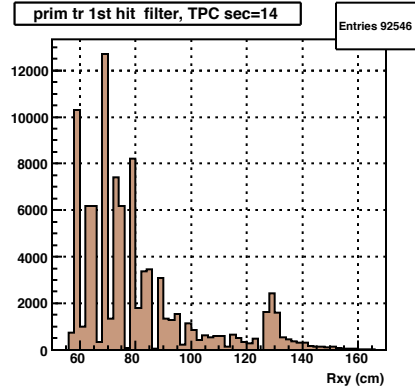
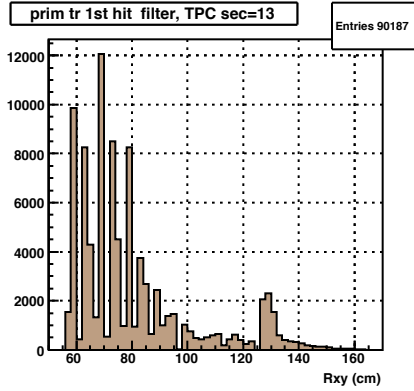
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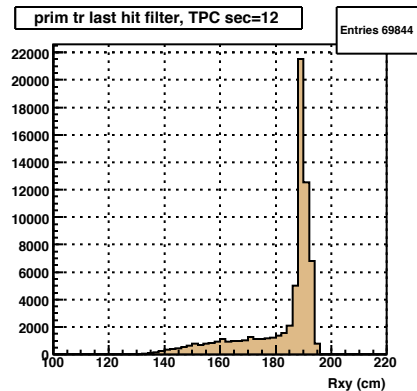
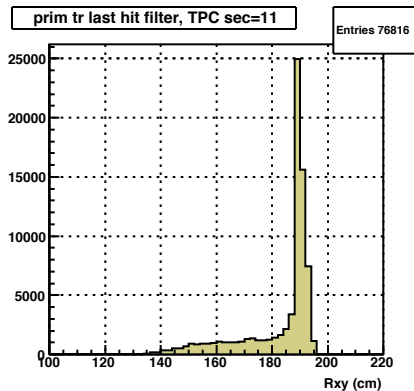
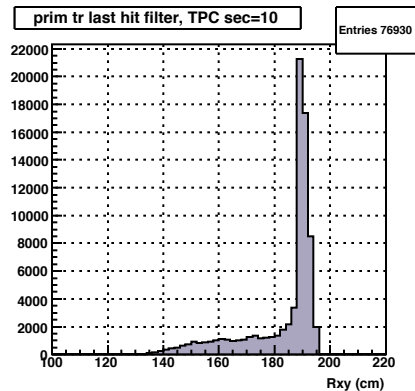
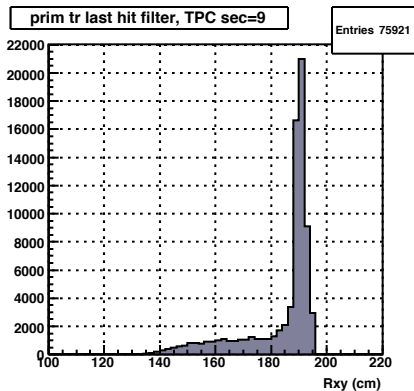
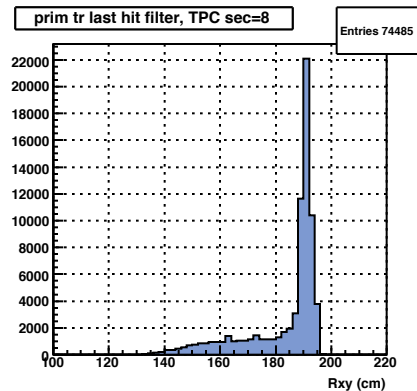
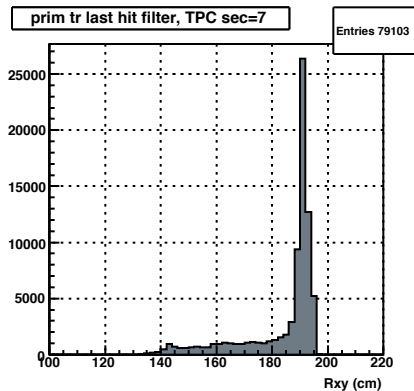
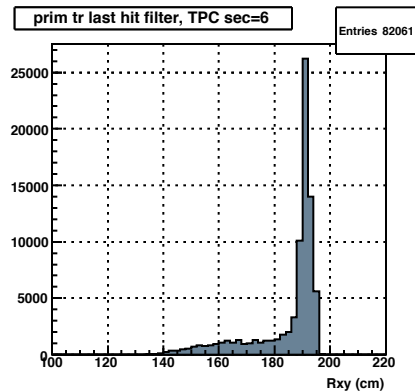
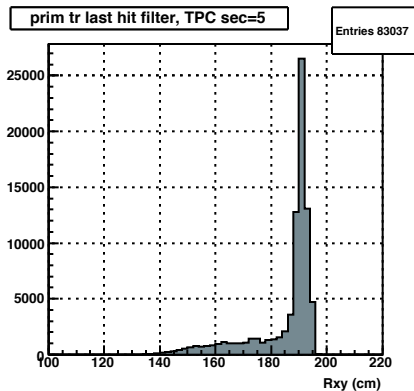
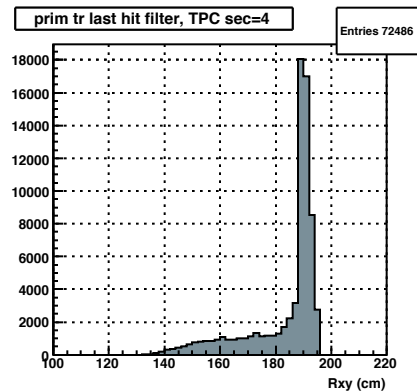
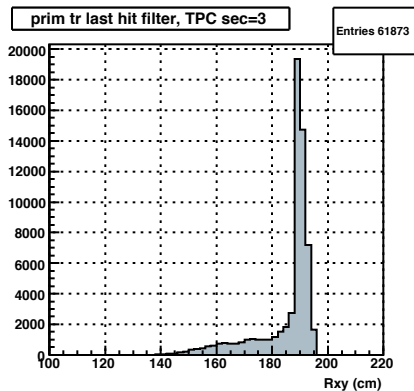
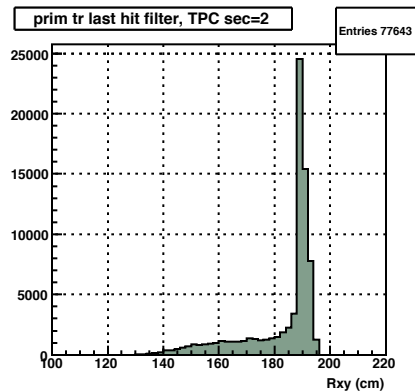
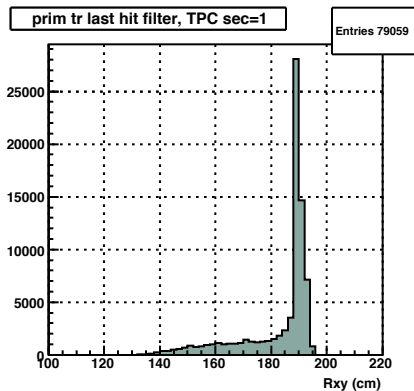
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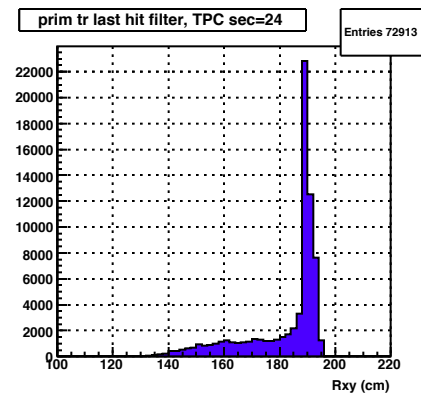
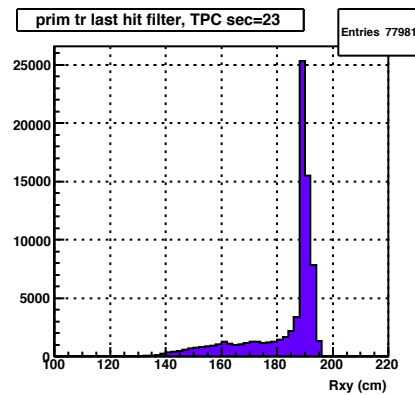
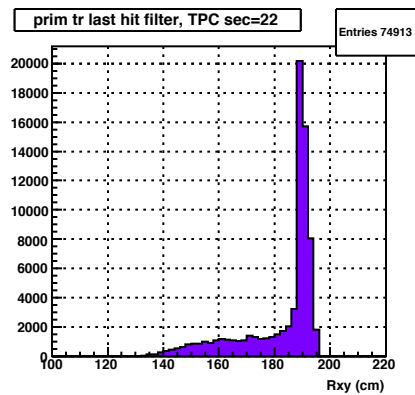
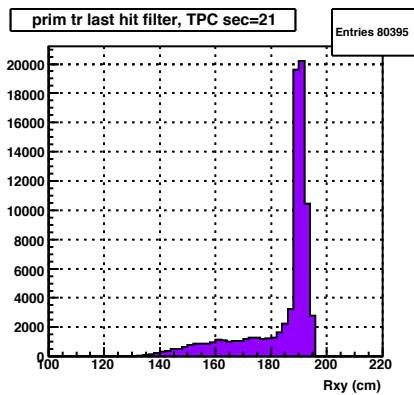
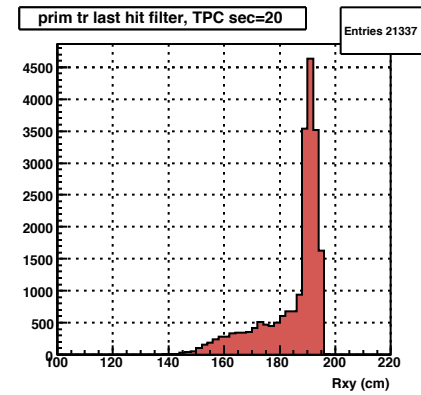
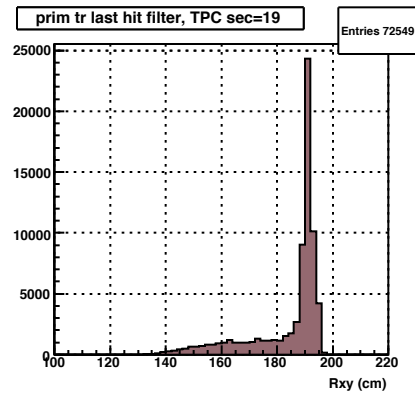
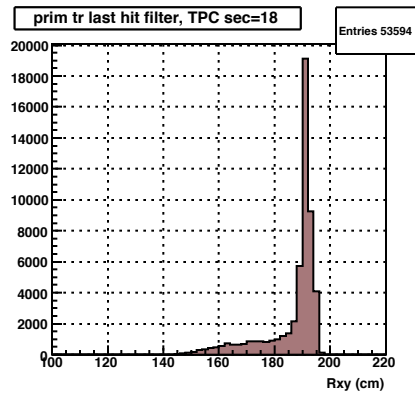
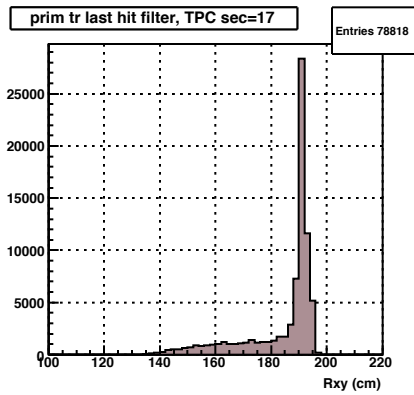
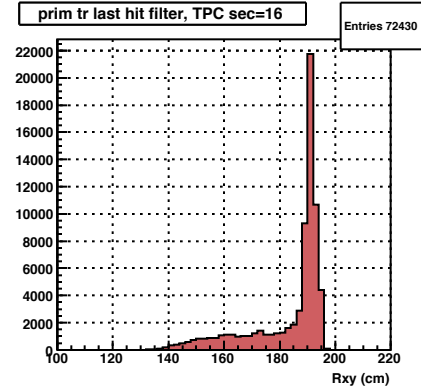
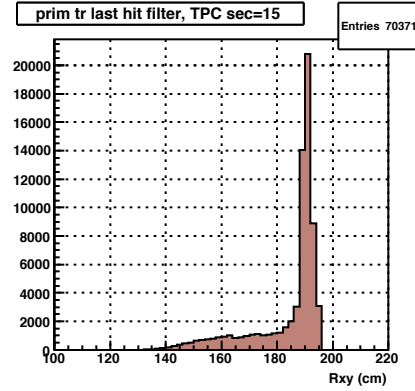
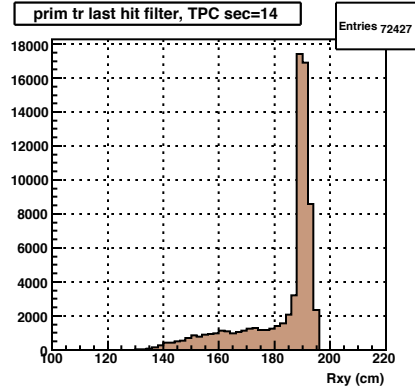
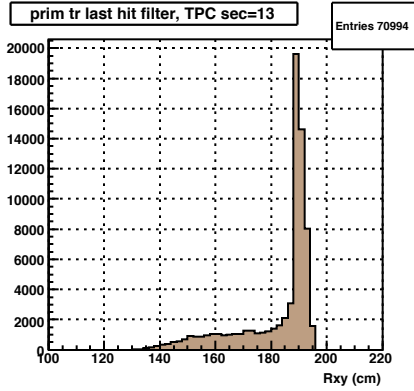
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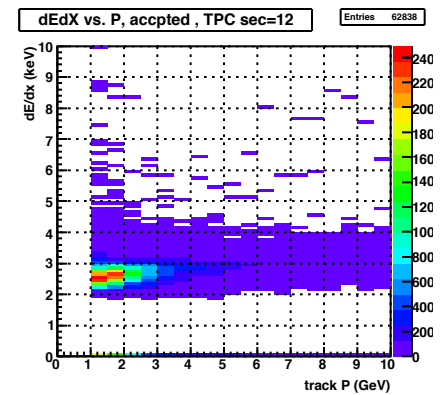
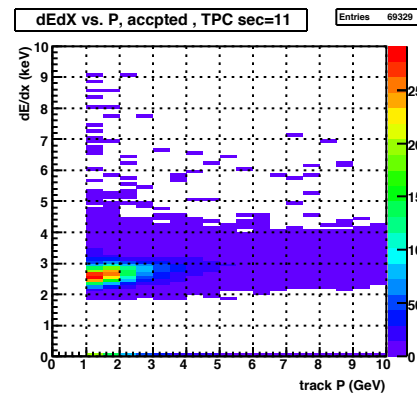
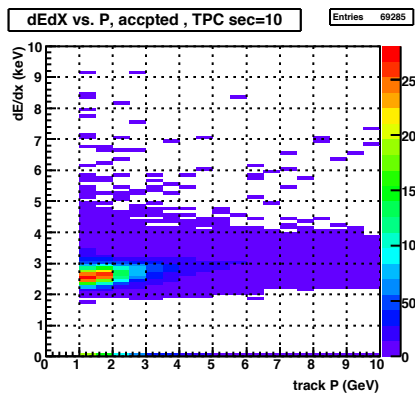
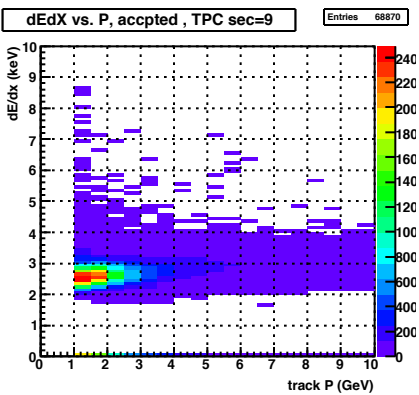
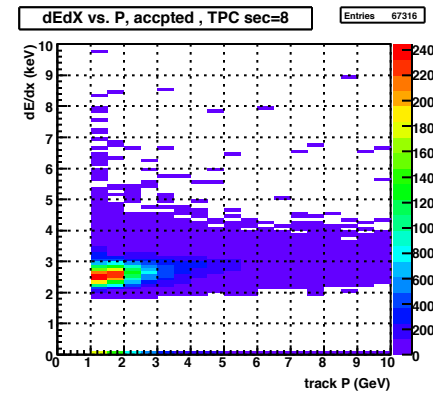
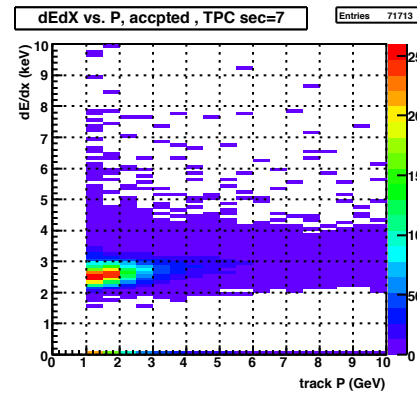
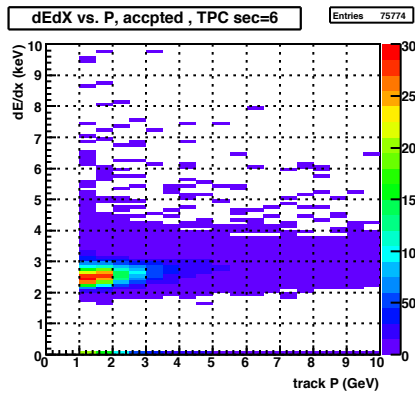
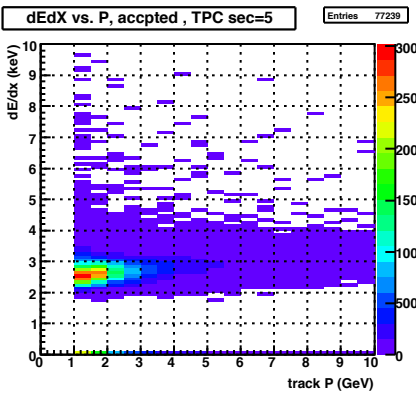
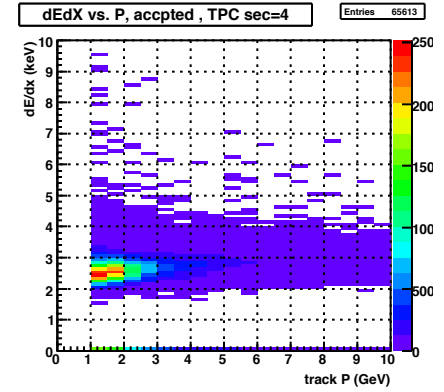
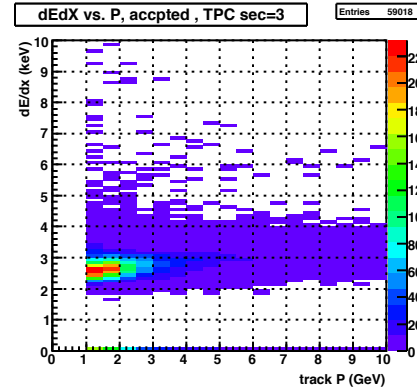
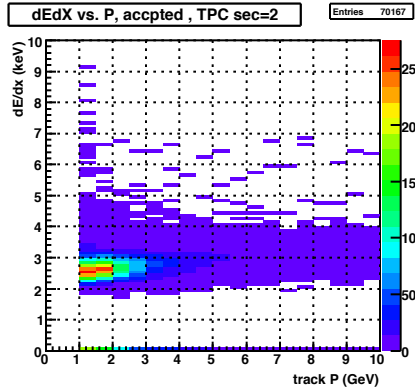
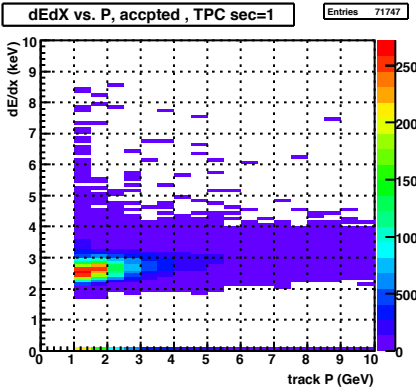


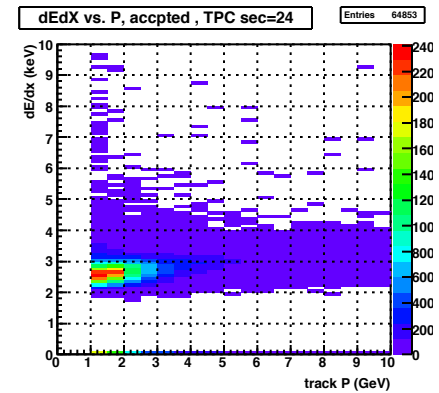
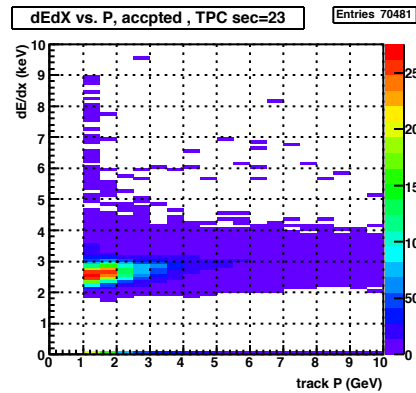
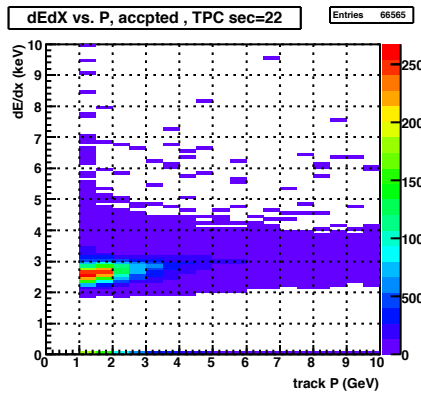
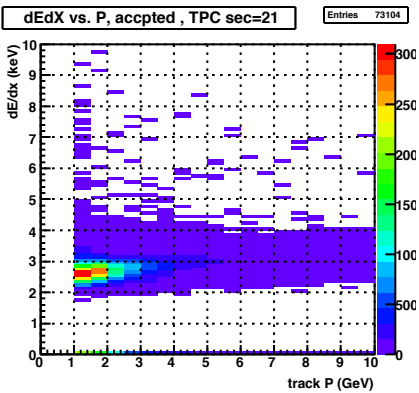
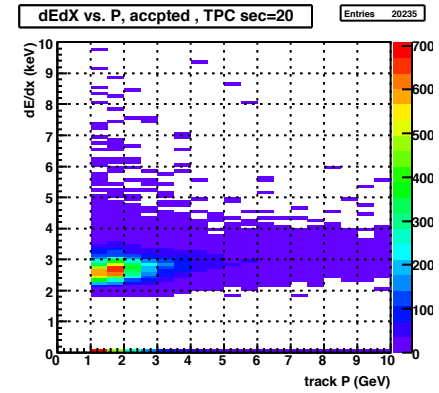
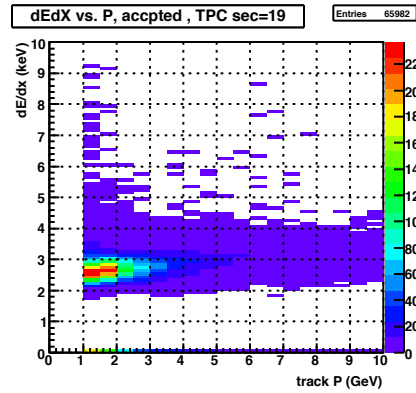
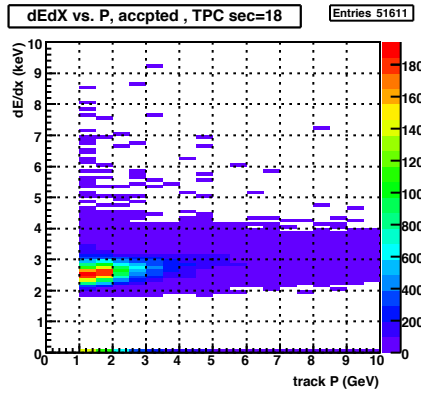
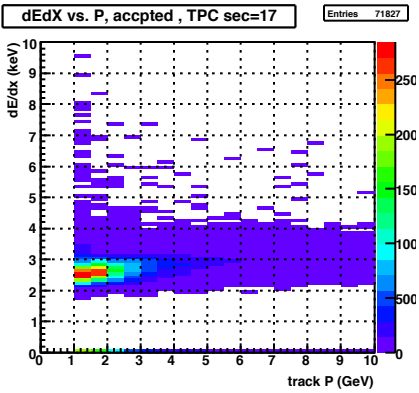
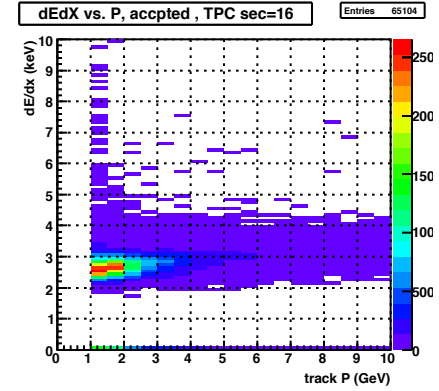
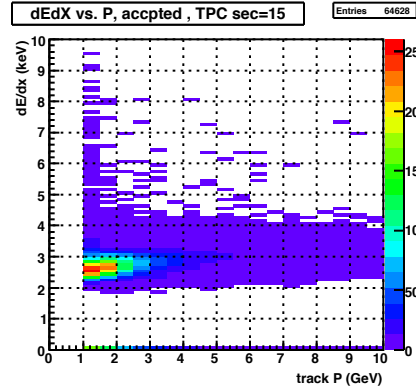
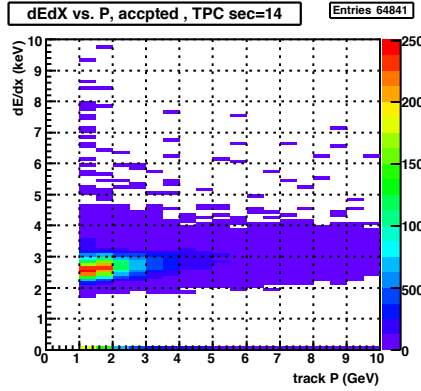
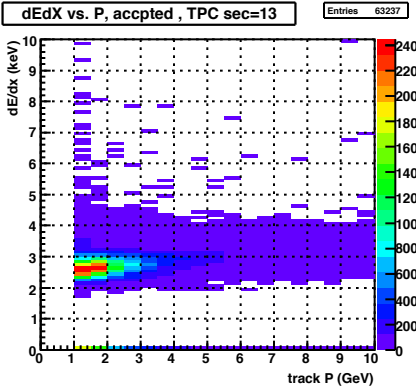
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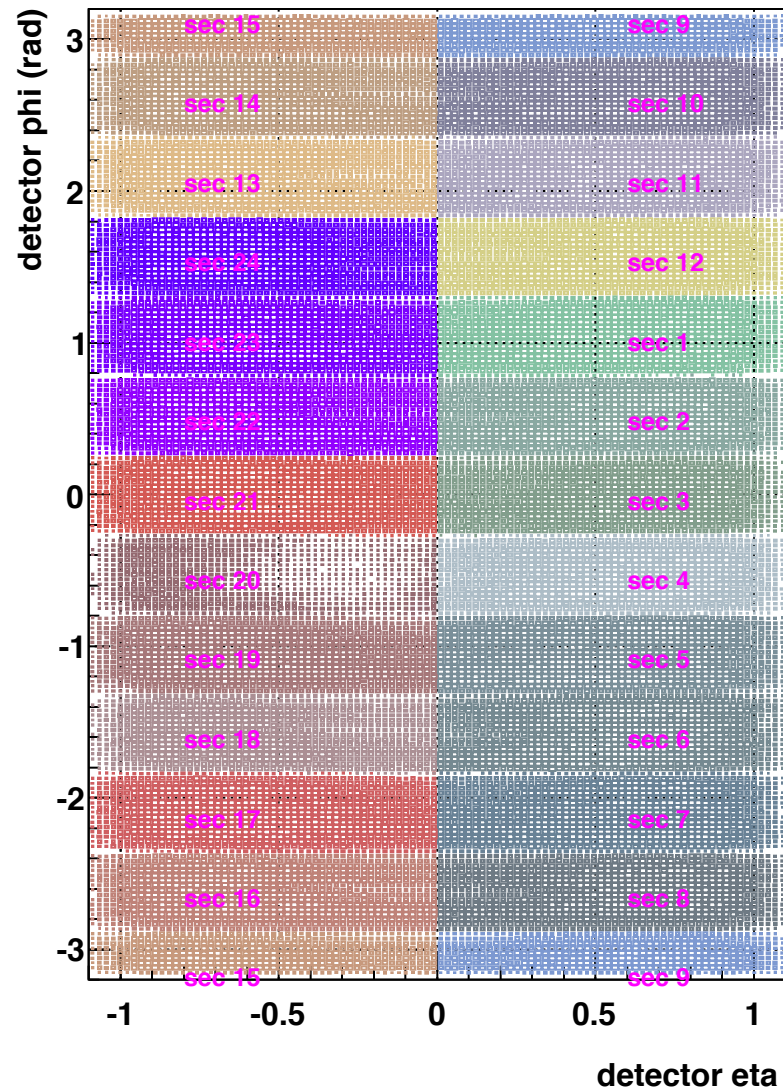
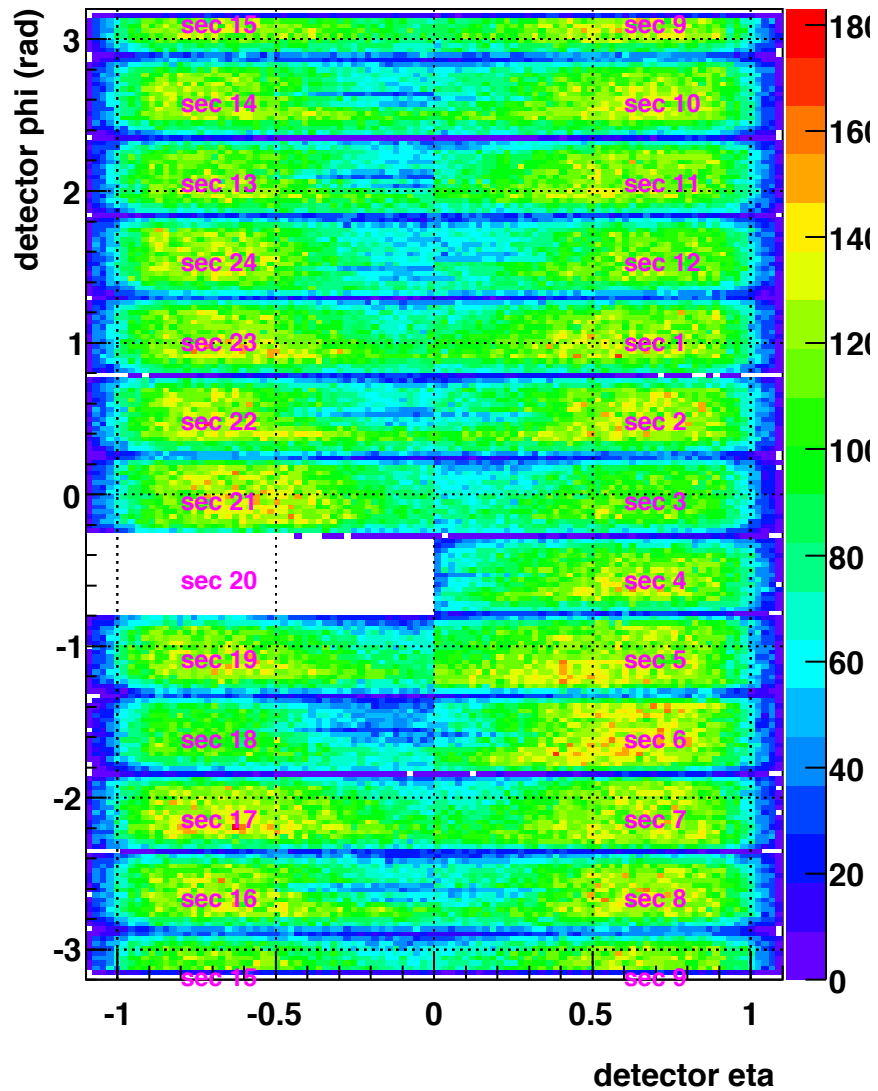


Barrel: lastHit on track

Entries 1551142

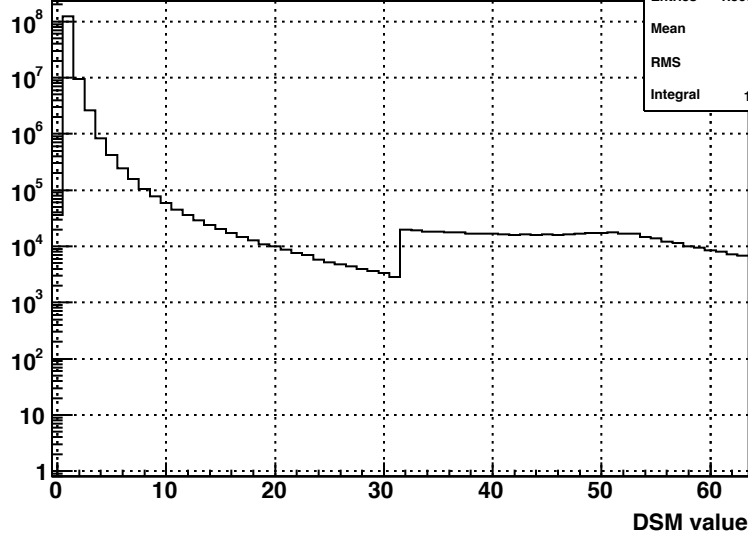
lastHit, accepted, TPC sec=1

Entries 71747

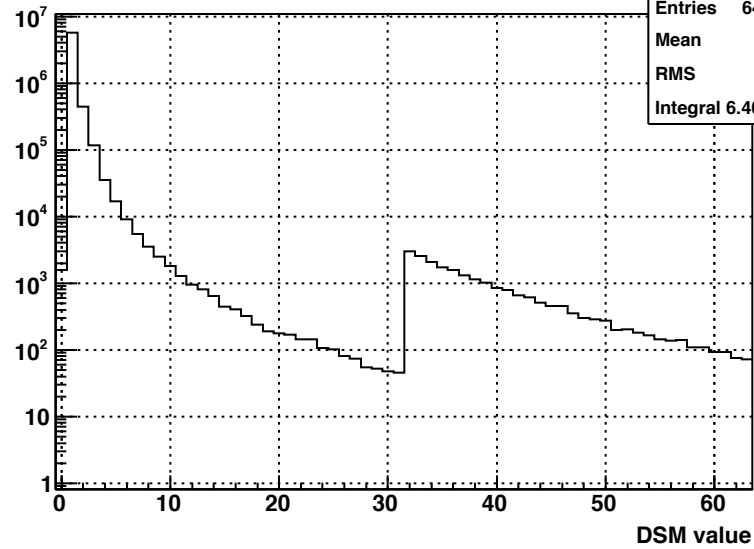


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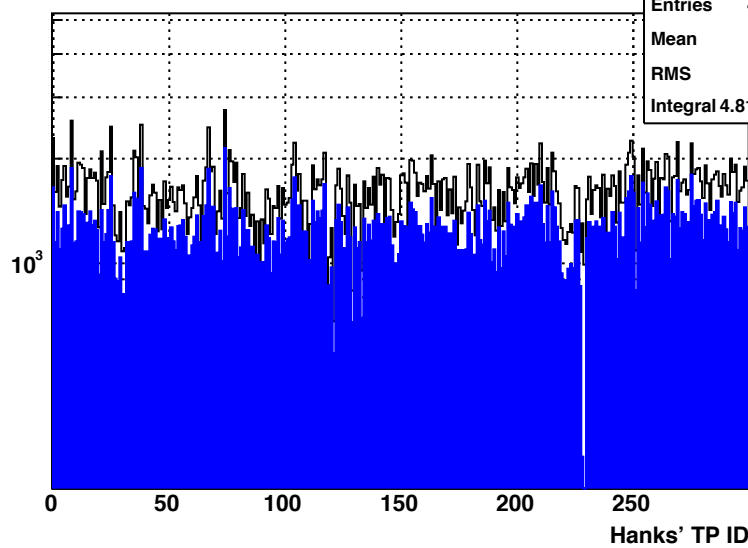
L2WB-ET events DMS spectrum



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

