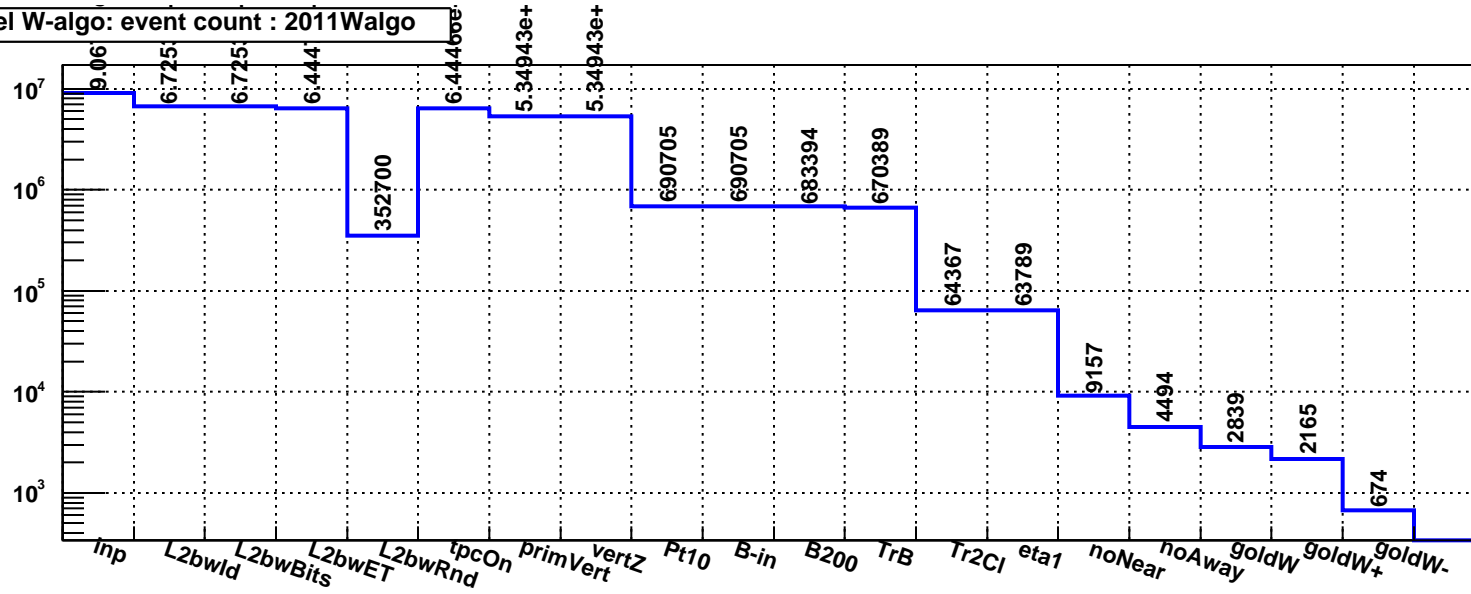
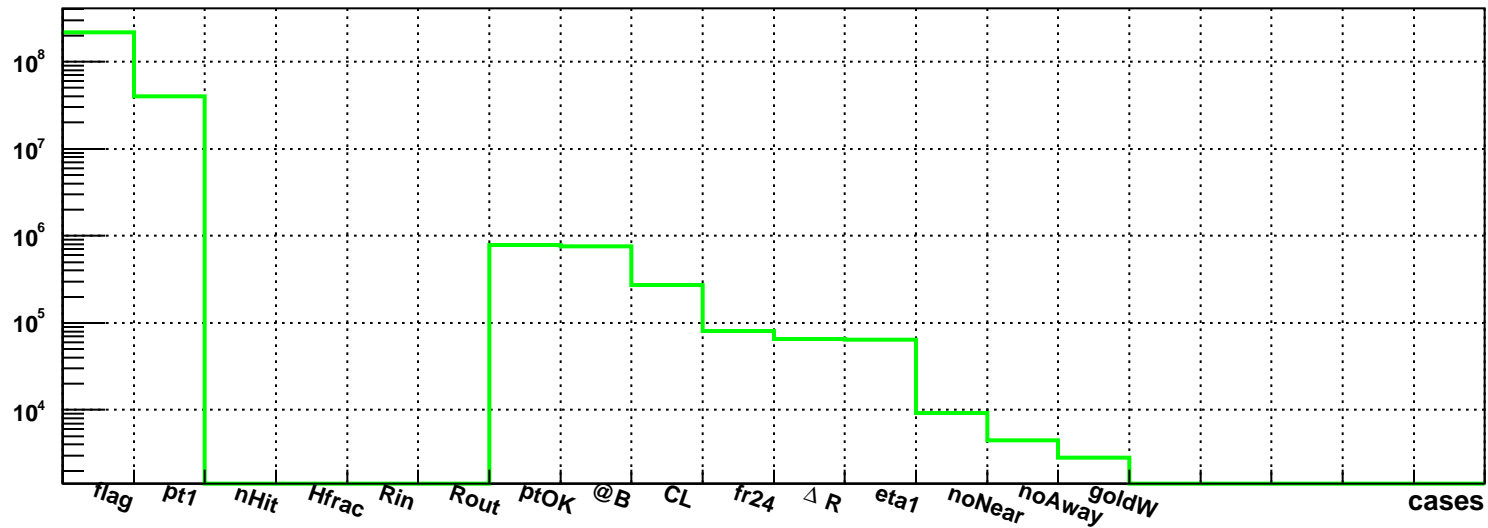


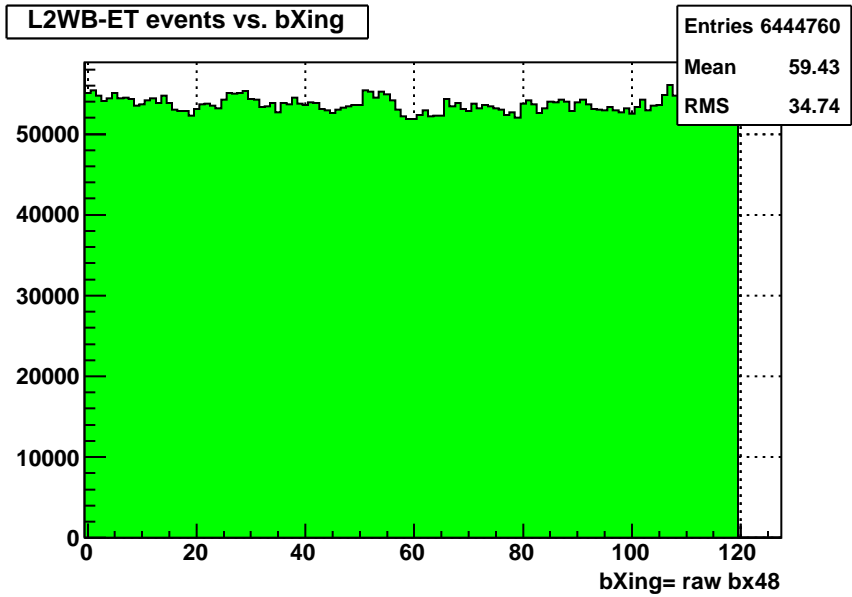
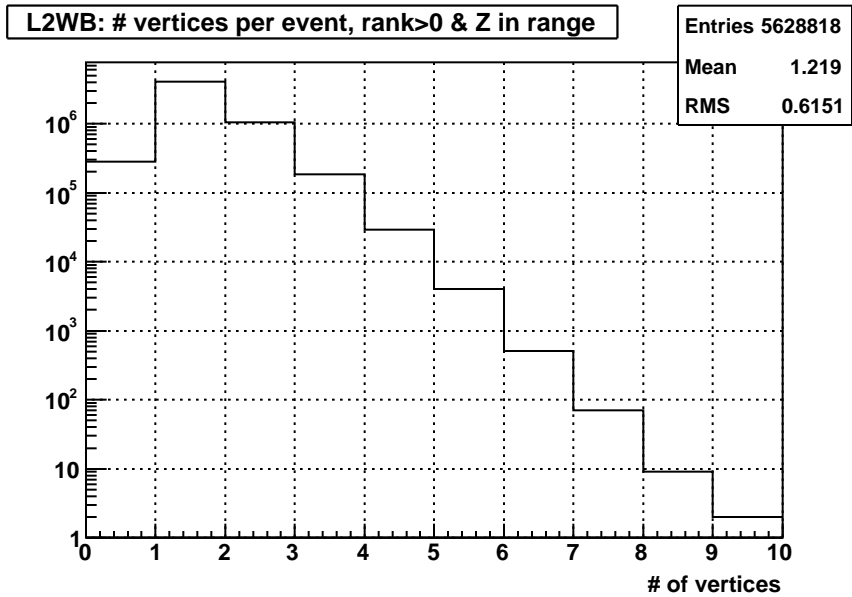
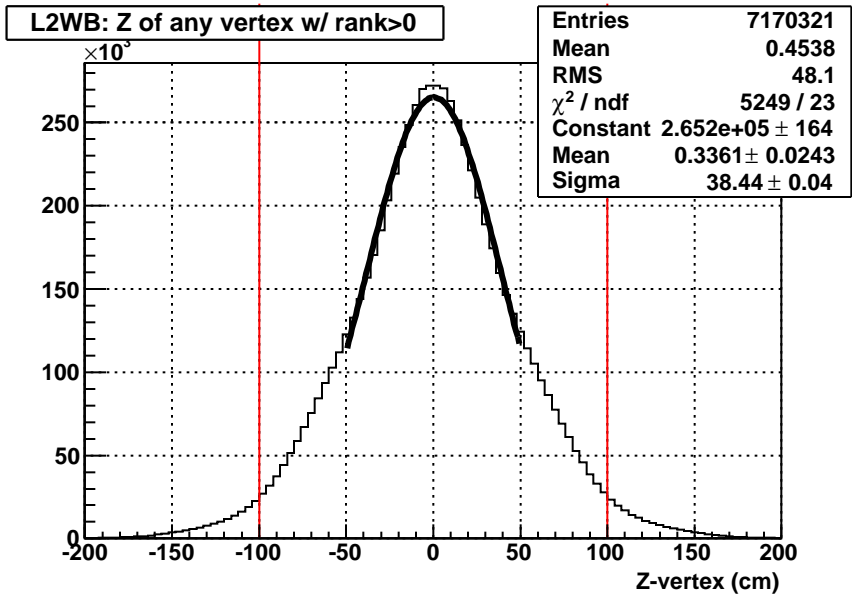
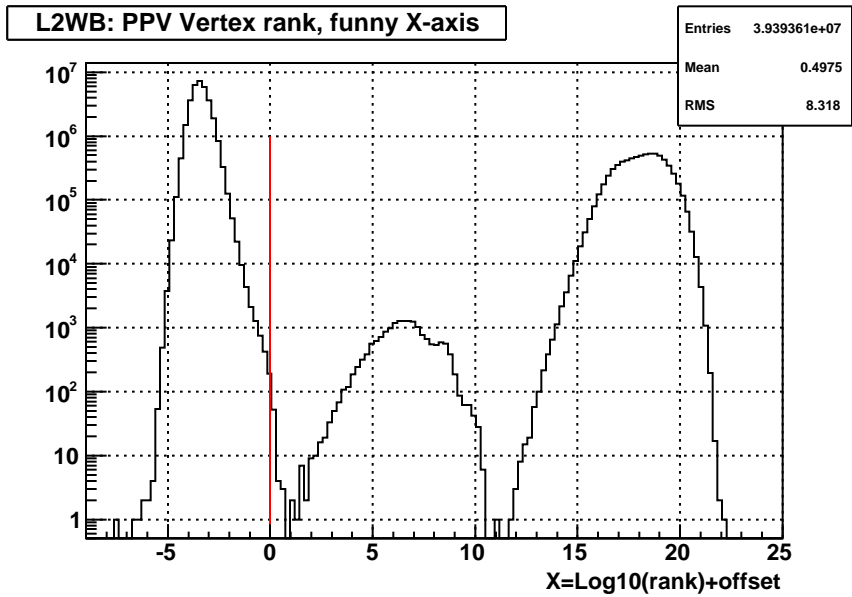
Barrel W-algo: event count : 2011Walgo



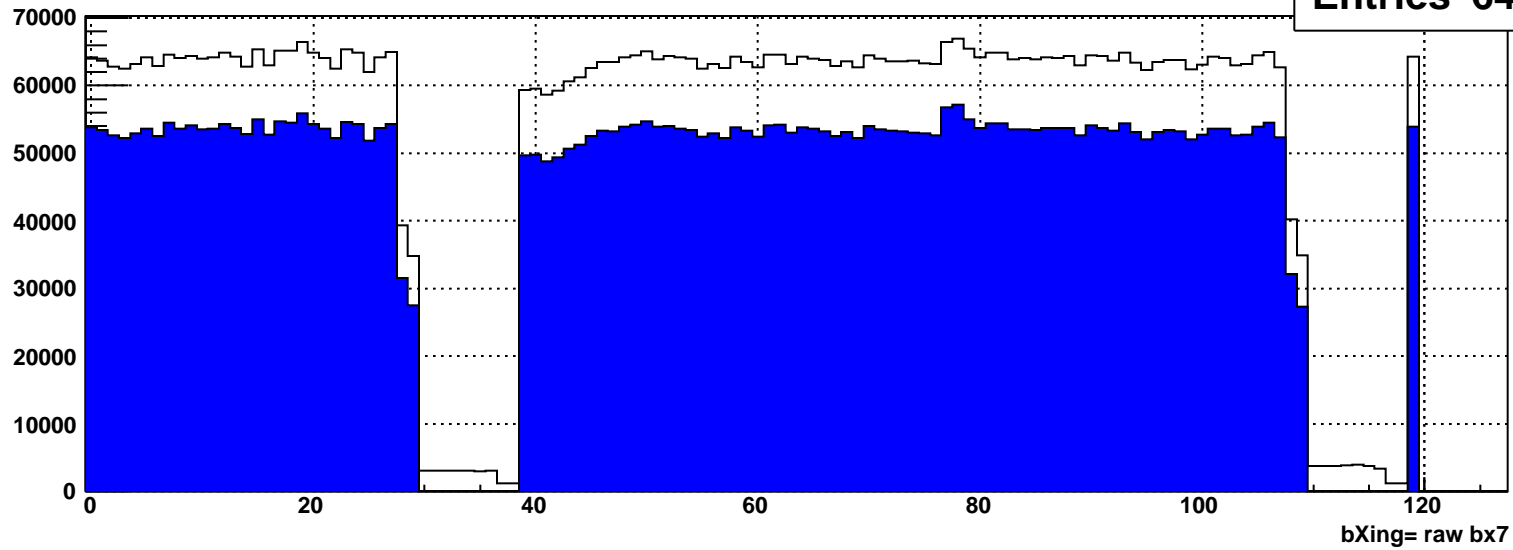
Barrel W-algo: track count



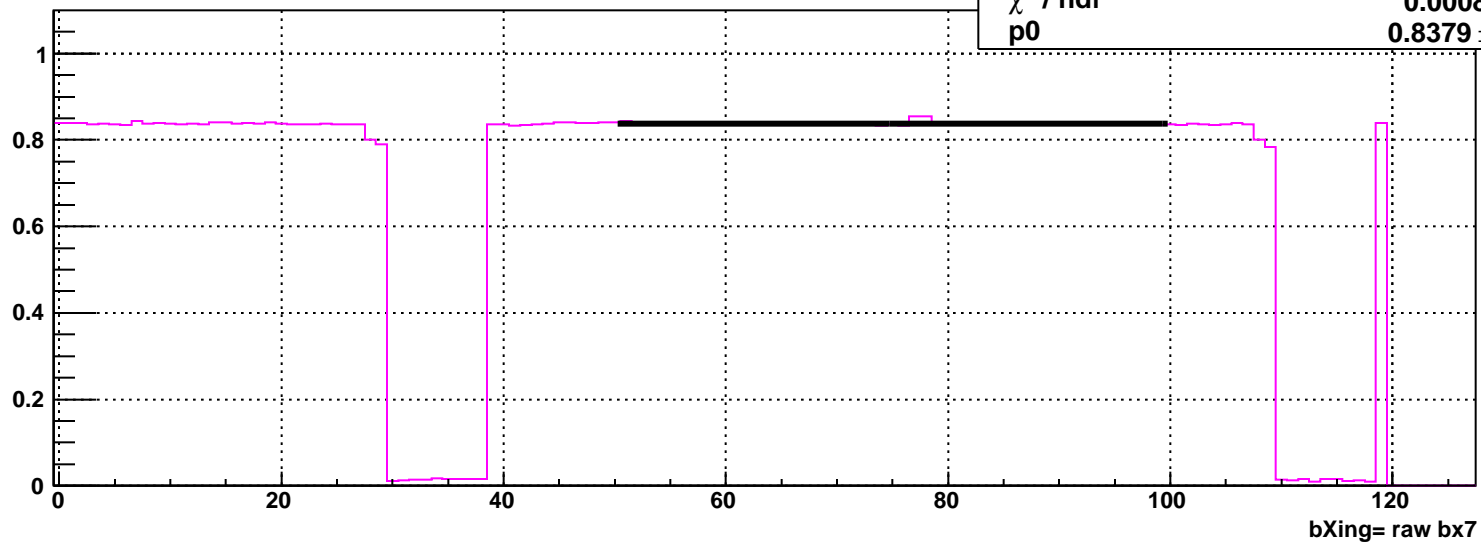
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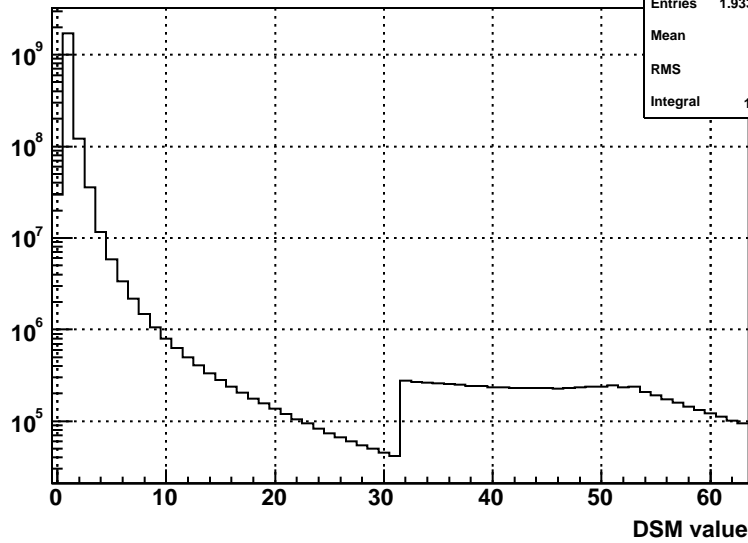
L2WB-ET events vs. bXing



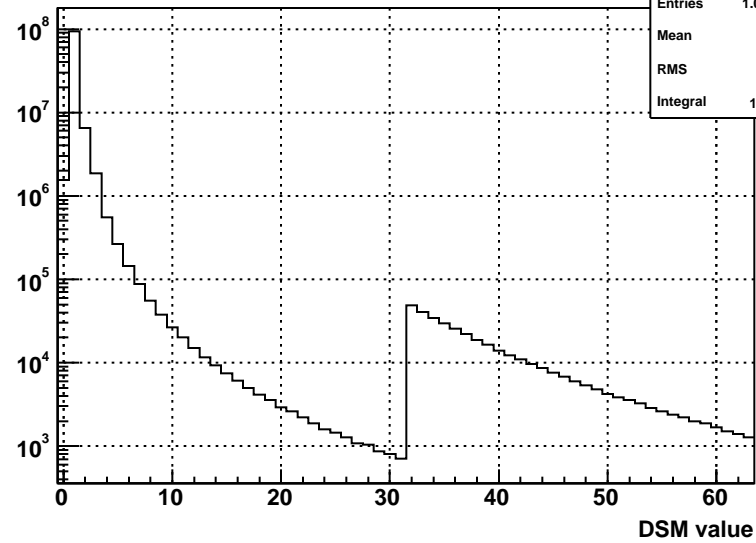
Vertex effi vs. bXing



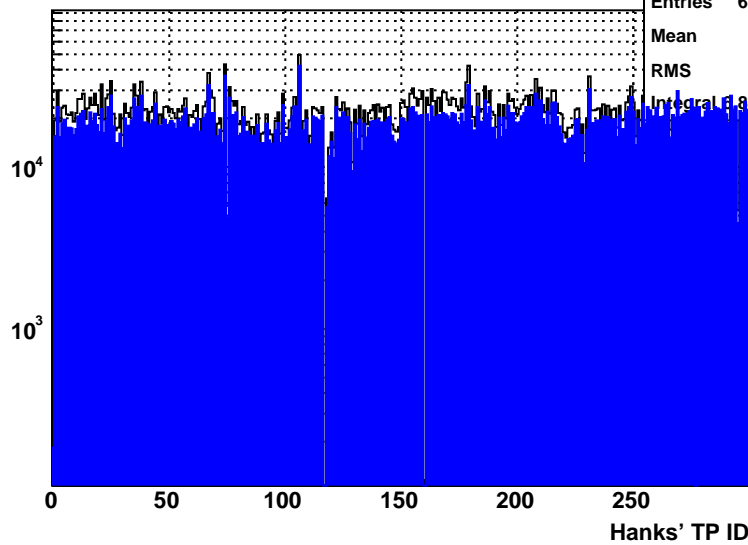
L2WB-ET events DMS spectrum



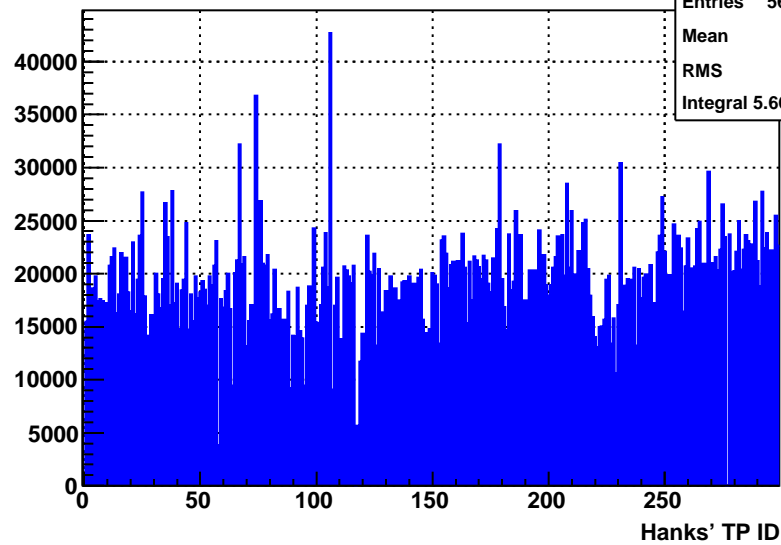
L2WB-Rnd events DMS spectrum

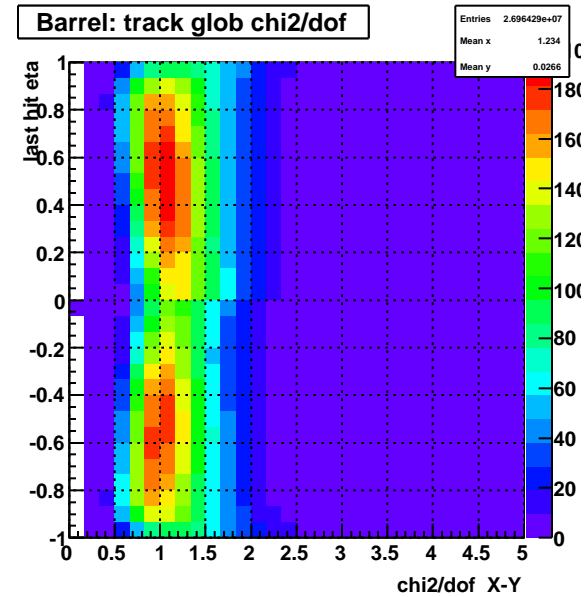
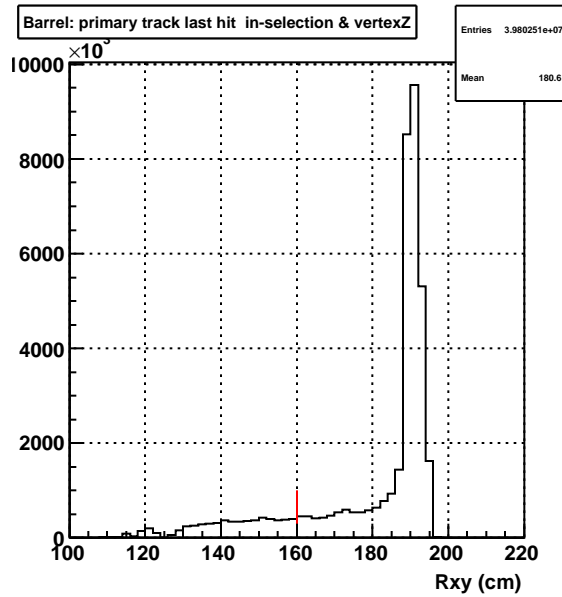
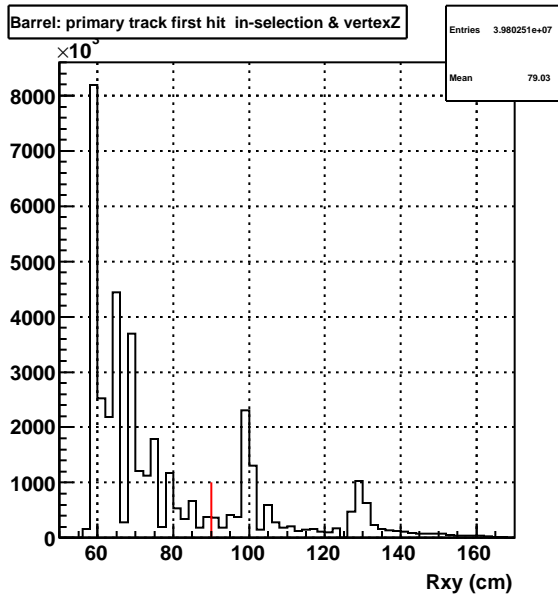
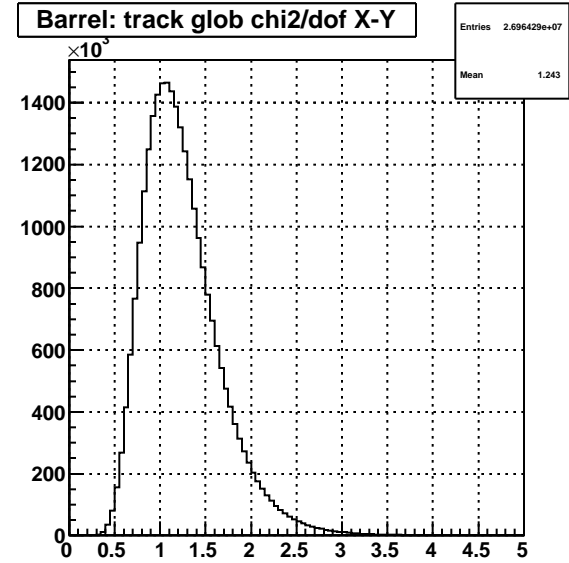
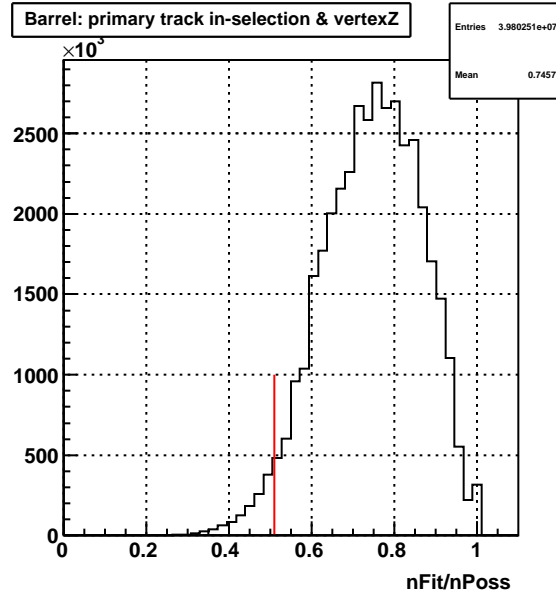
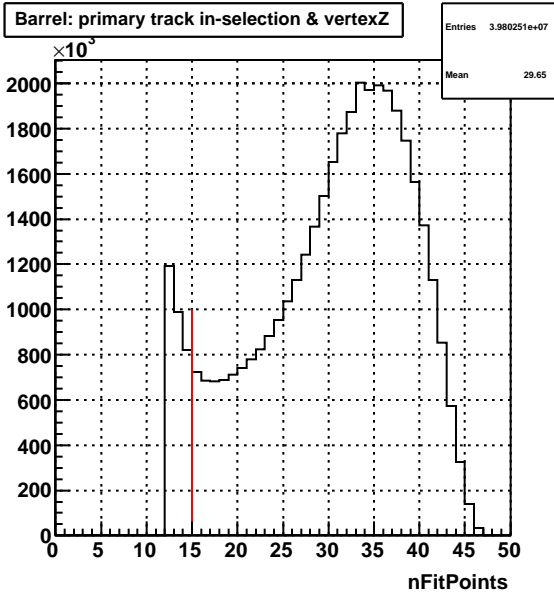


L2WB-ET events w/ DMS>31 vs.BTOW TP ID bXing



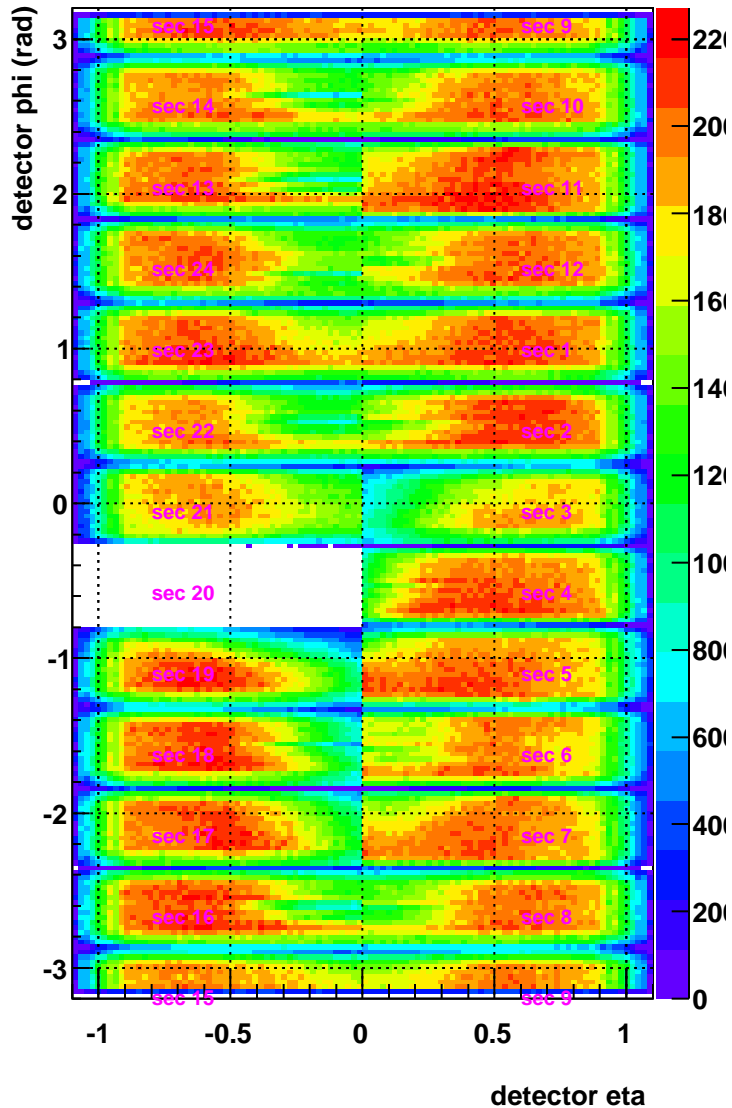
L2WB-ET events w/ DMS>31 & primVertex vs.BTOW TP ID bXing





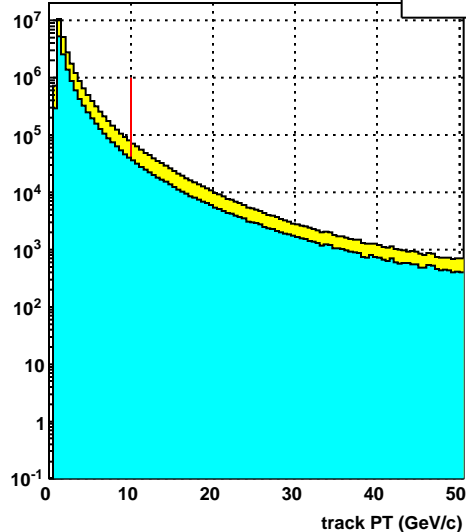
Barrel: lastHit on track

Entries 2.696429e+07



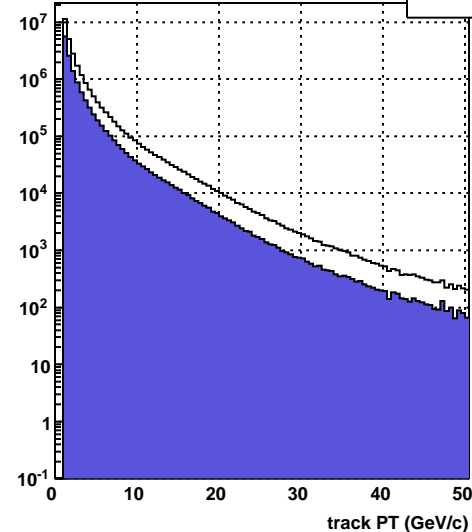
Barrel: global track PT

Entries 2.696429e+07



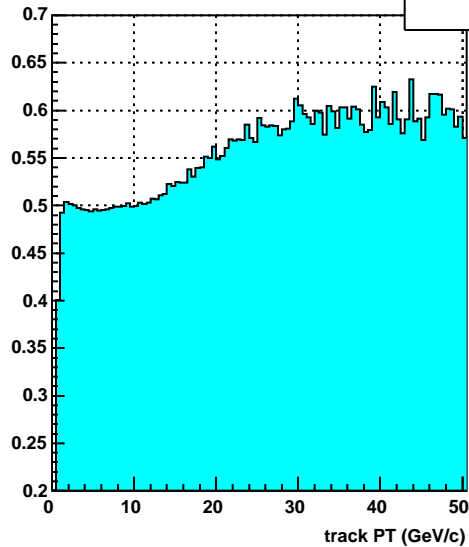
Barrel: primary track PT

Entries 2.696429e+07



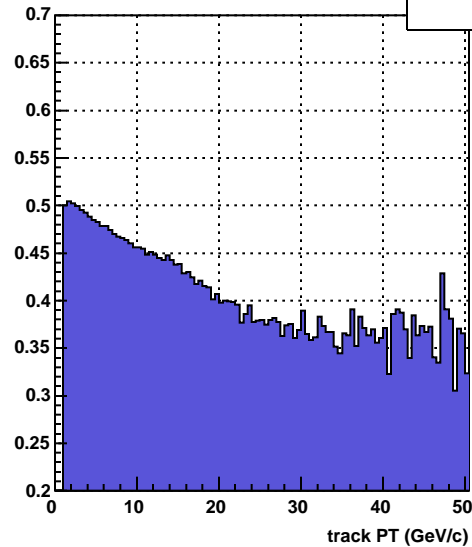
Ratio Negative/all

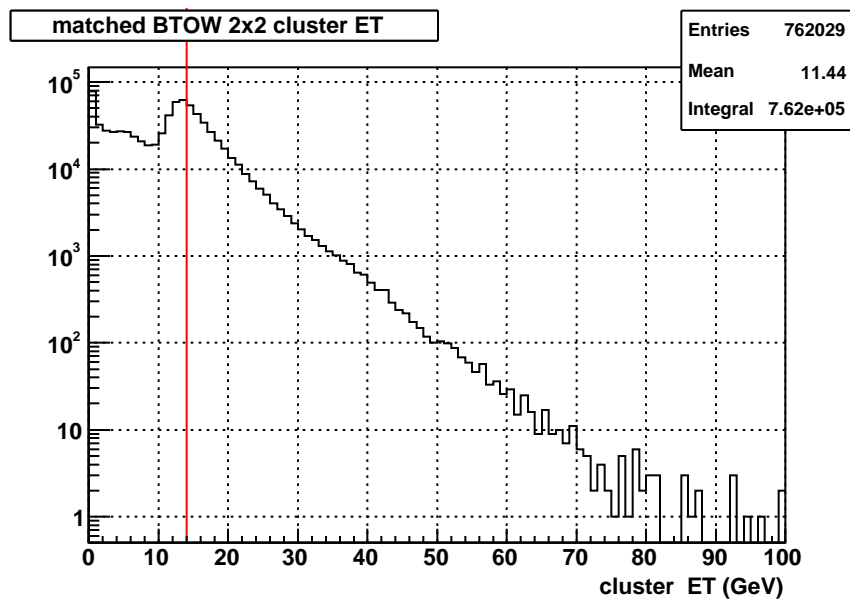
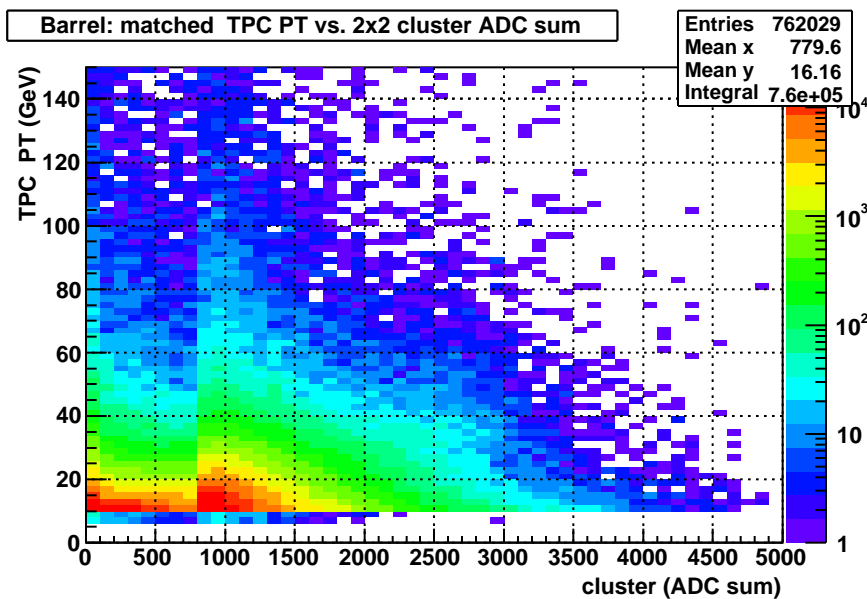
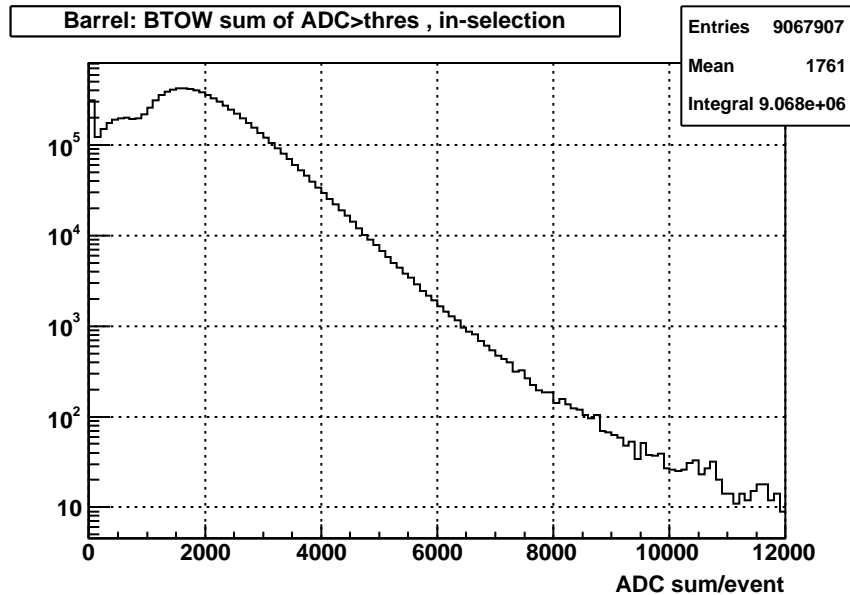
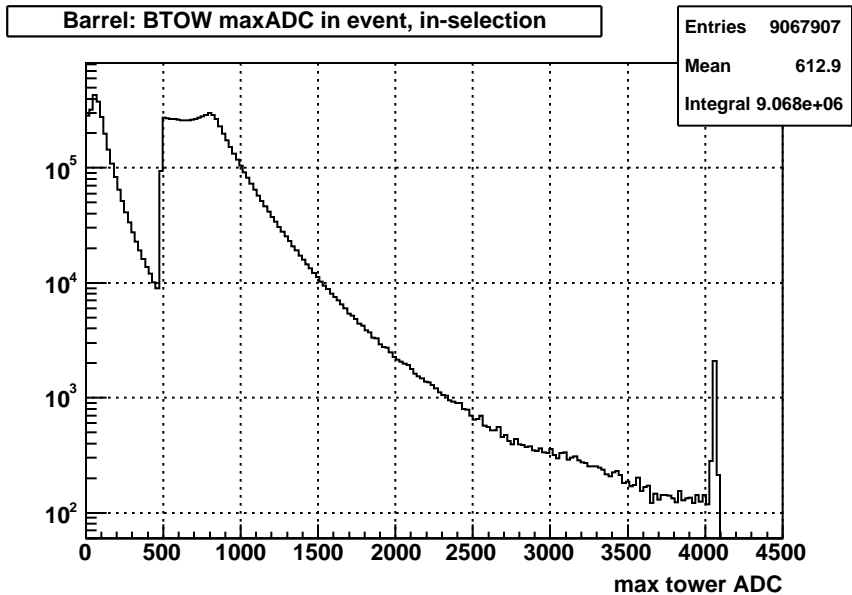
Entries 1.335882e+07



Ratio Negative/all

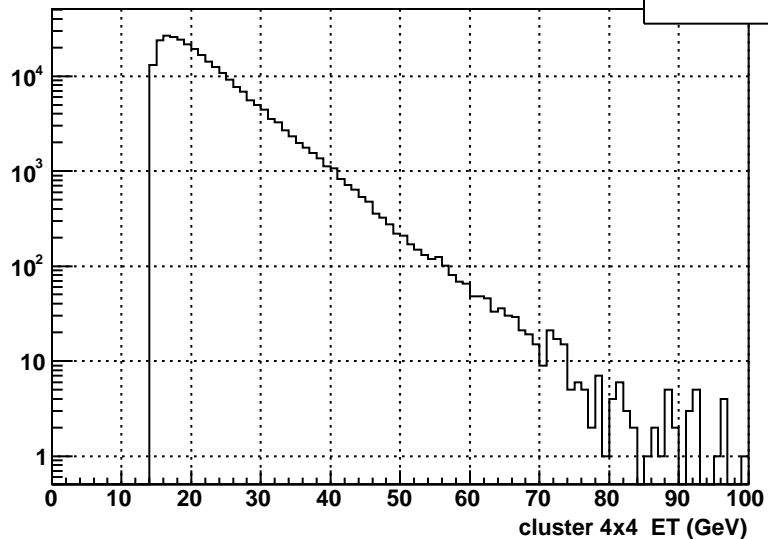
Entries 1.337726e+07





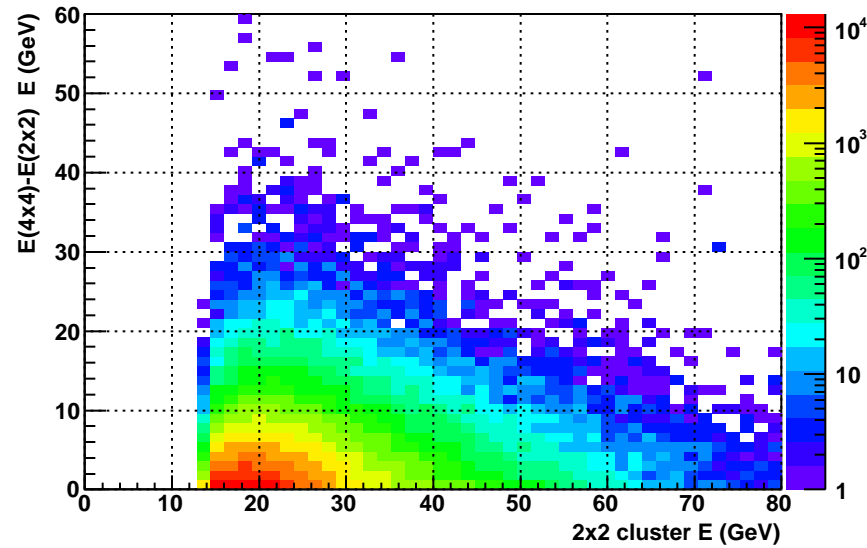
matched BTOW 4x4 cluster ET

Entries 274384



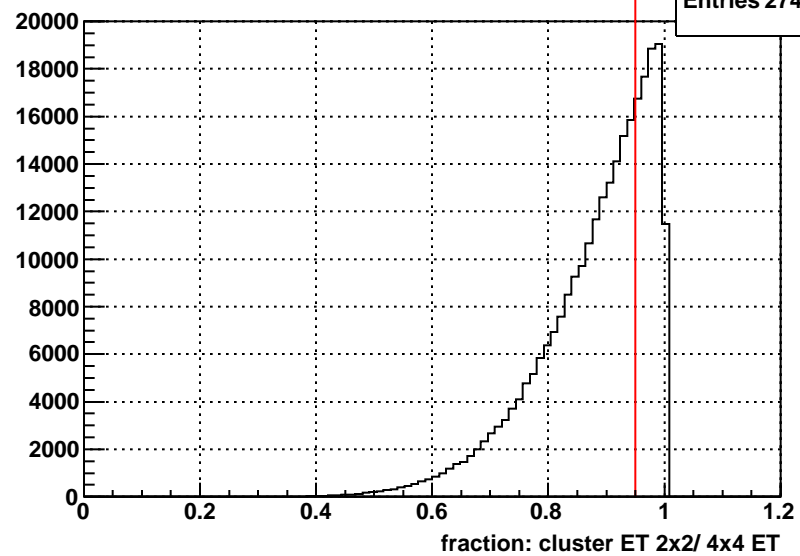
Barrel: Excess energy in 4x4 cluster vs. 2x2 E

Entries 274384



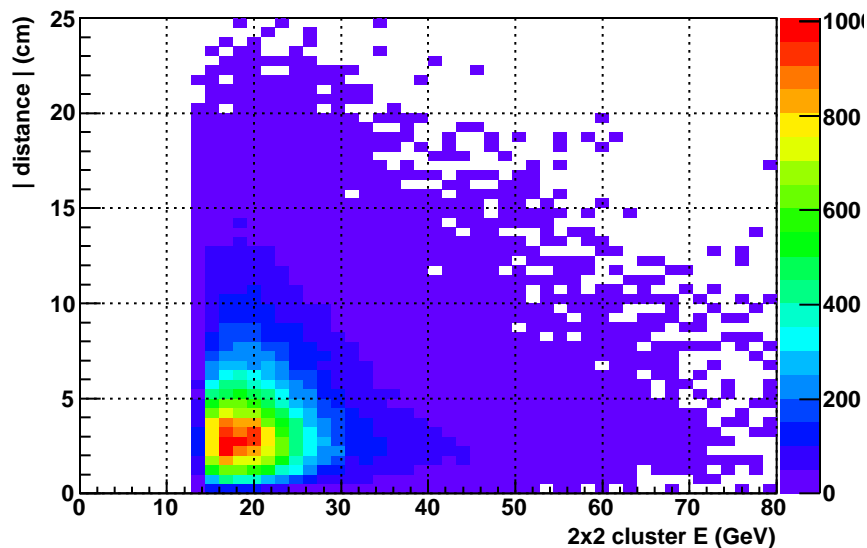
Barrel: ratio (2x2/4x4) cluster ET

Entries 274384

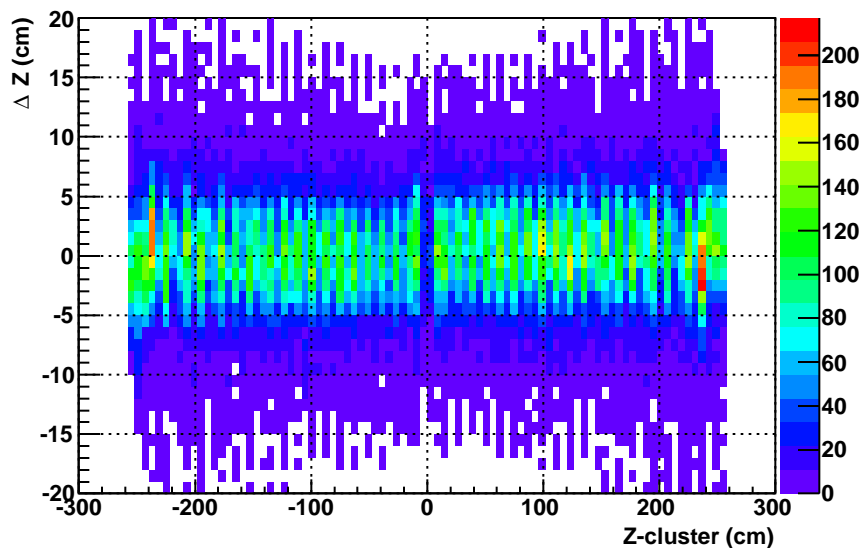




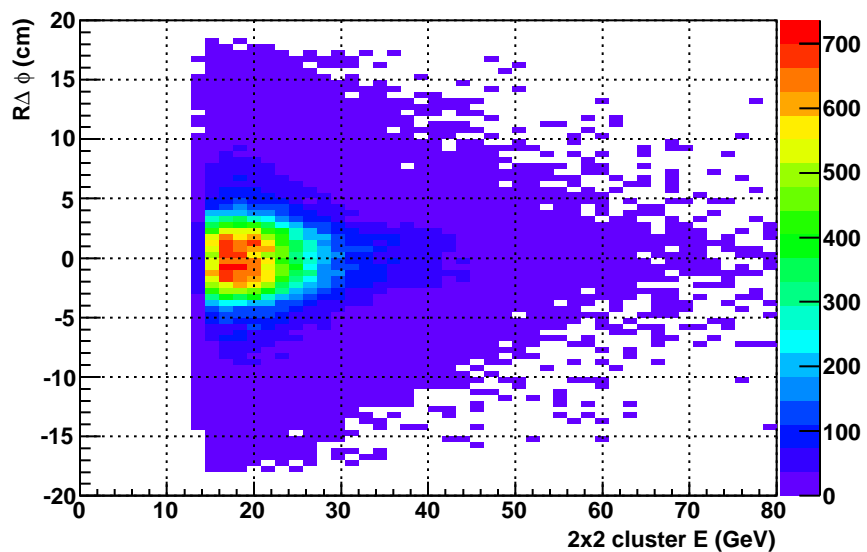
Barrel: 3D Distance(track-cluster) vs. 2x2 E Entries 81163



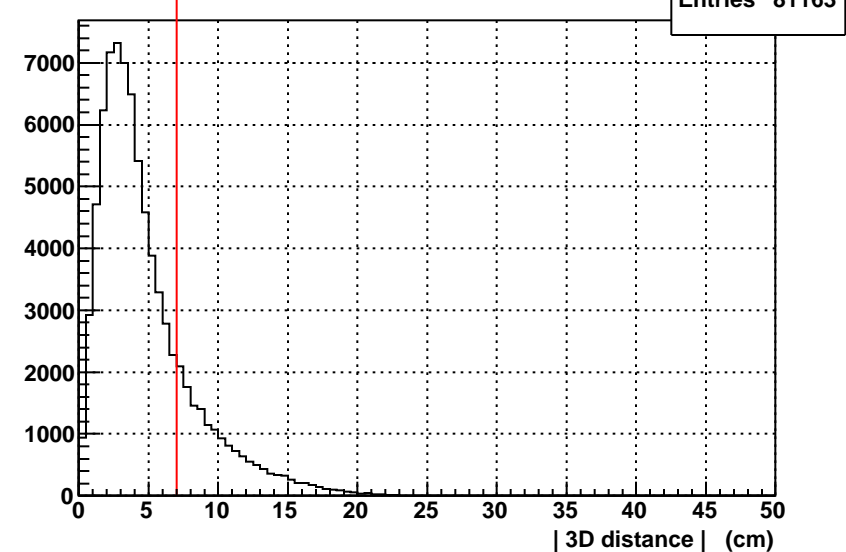
Barrel:  $\Delta Z$  (track-cluster) vs. Z-clust Entries 81163

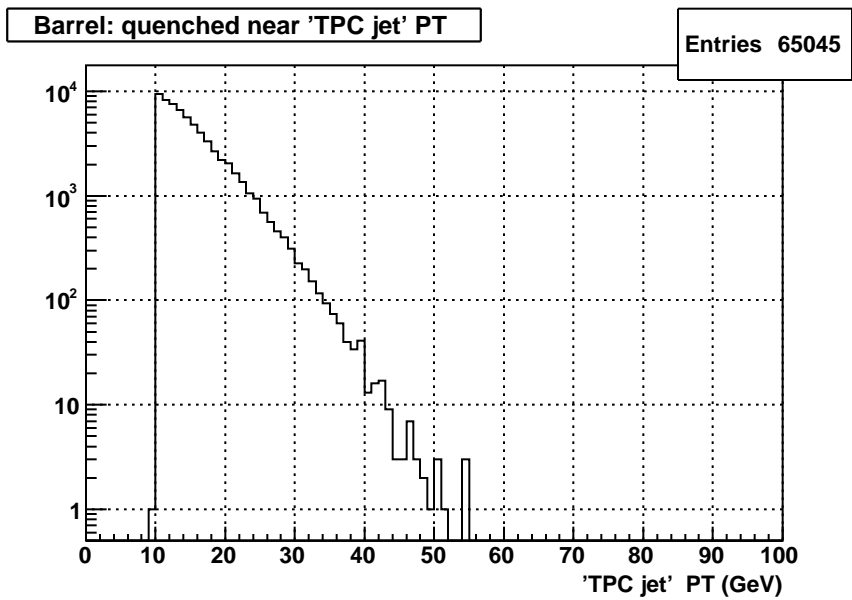
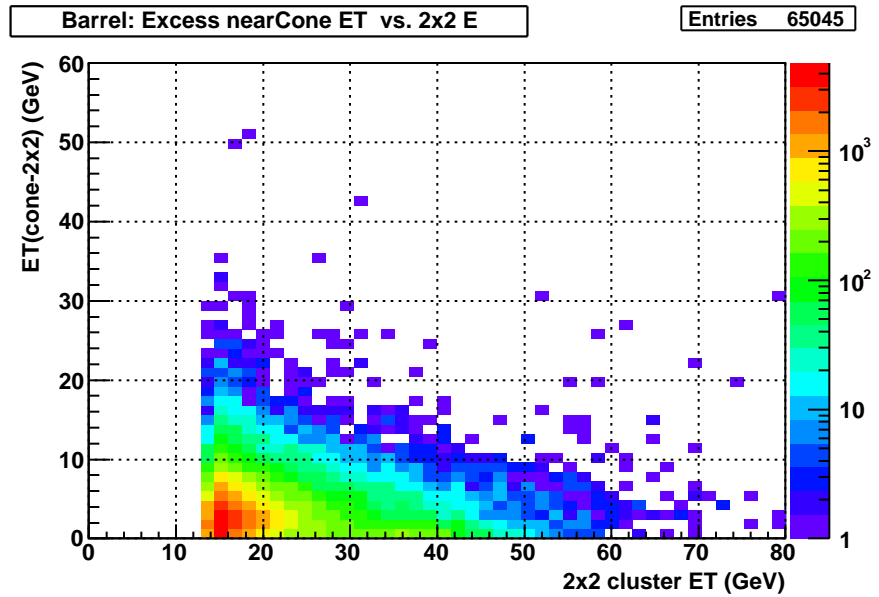
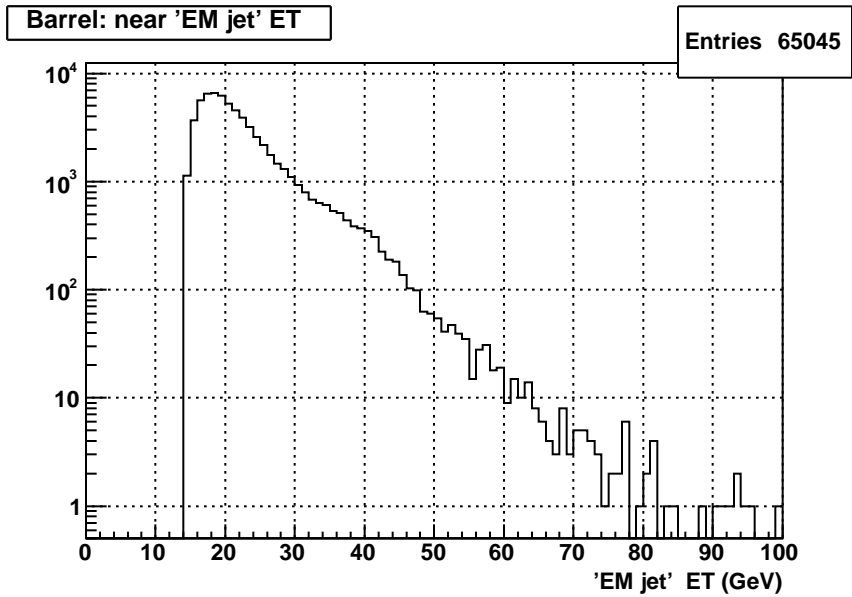


Barrel:  $R\Delta\phi$  (track-cluster) vs. 2x2 E Entries 81163



Barrel: 3D Distance(track-cluster) vs. 2x2 E Entries 81163

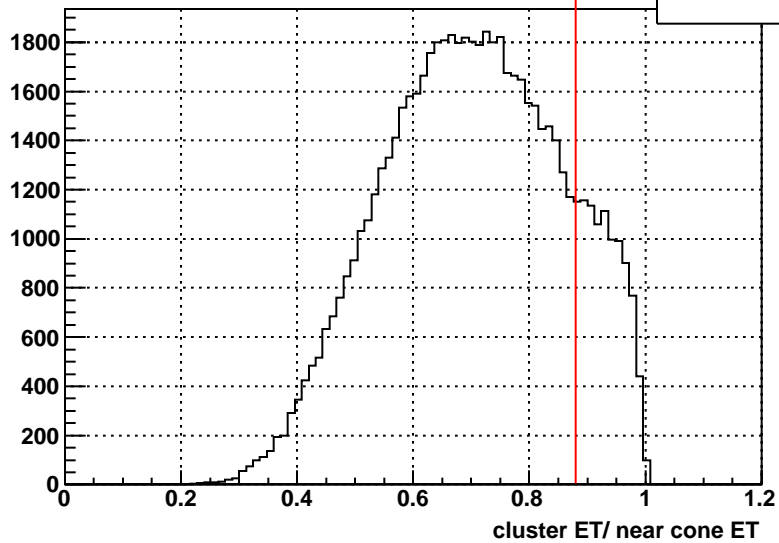




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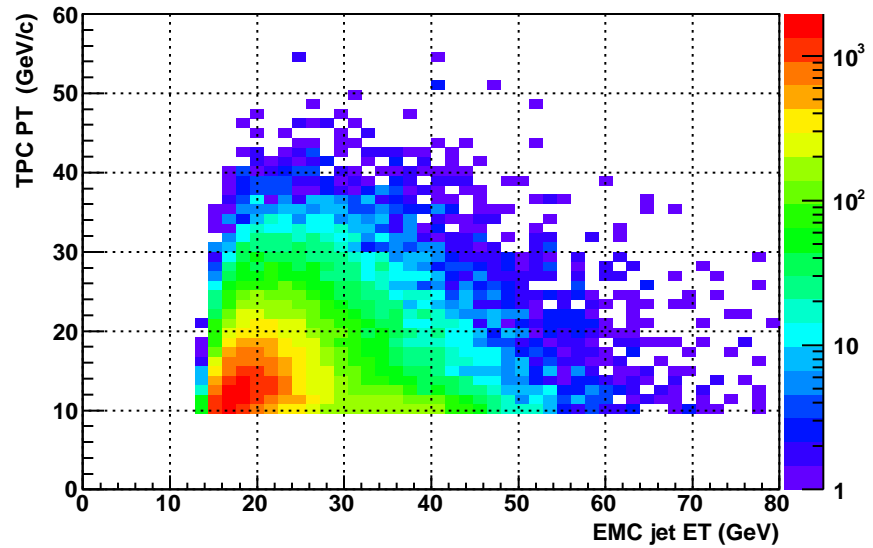
Barrel: ratio (2x2/nearCone) ET

Entries 65045



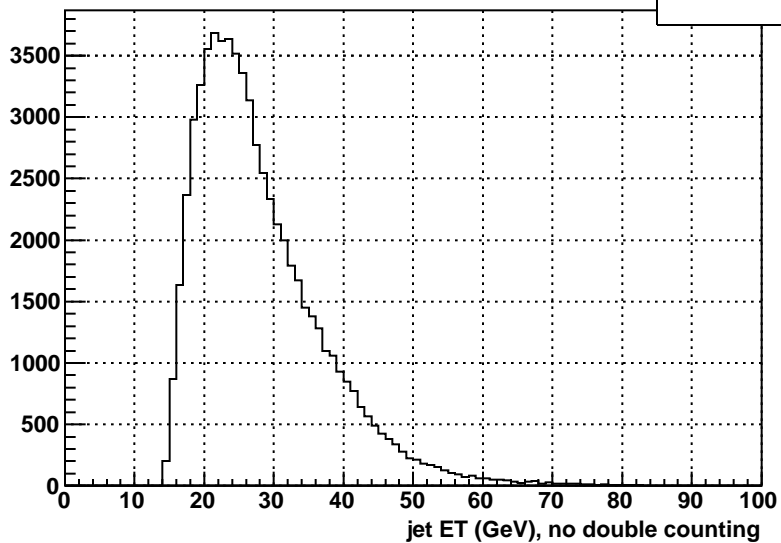
Barrel: quenched near 'TPC jet' vs. near 'EMC jet'

Entries 65045



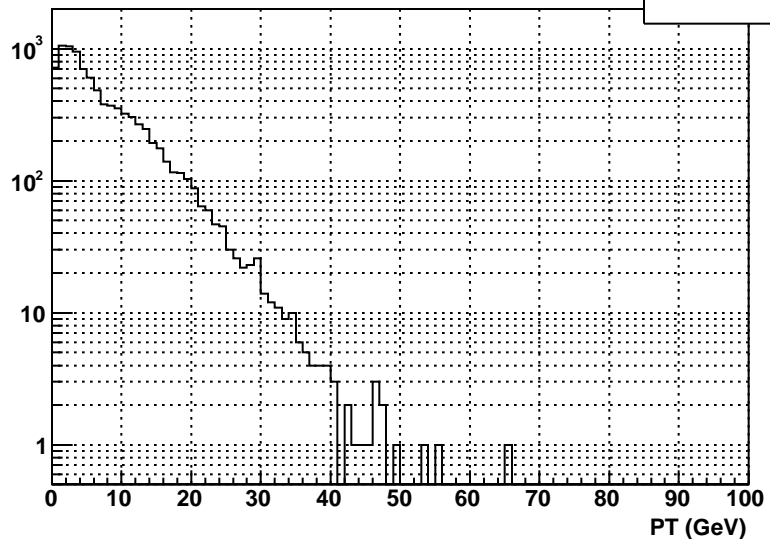
Barrel: near 'TPC+EMC jet' ET

Entries 65045



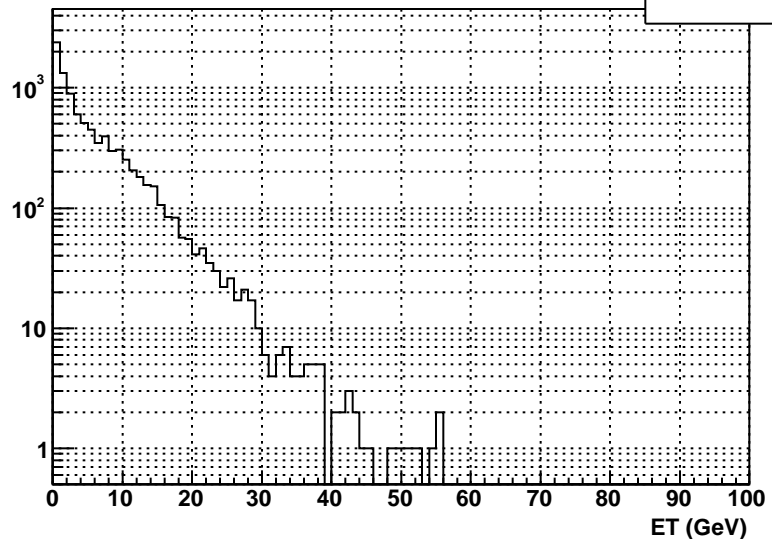
Barrel: TPC away-cone PT sum

Entries 9175



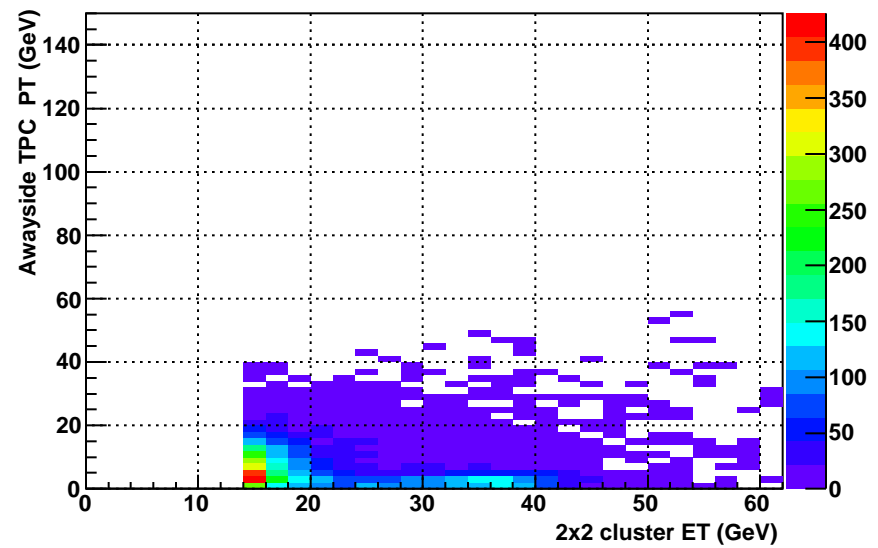
Barrel: BTOW away-cone ET sum

Entries 9175



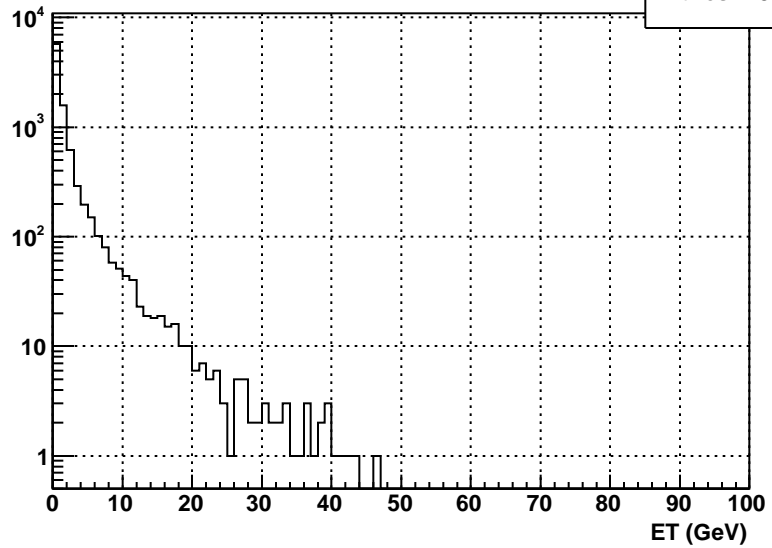
Barrel: Awayside TPC PT vs. isolated cluster 2x2 ET, matched

Entries 9175



Barrel: ETOW away-cone ET sum

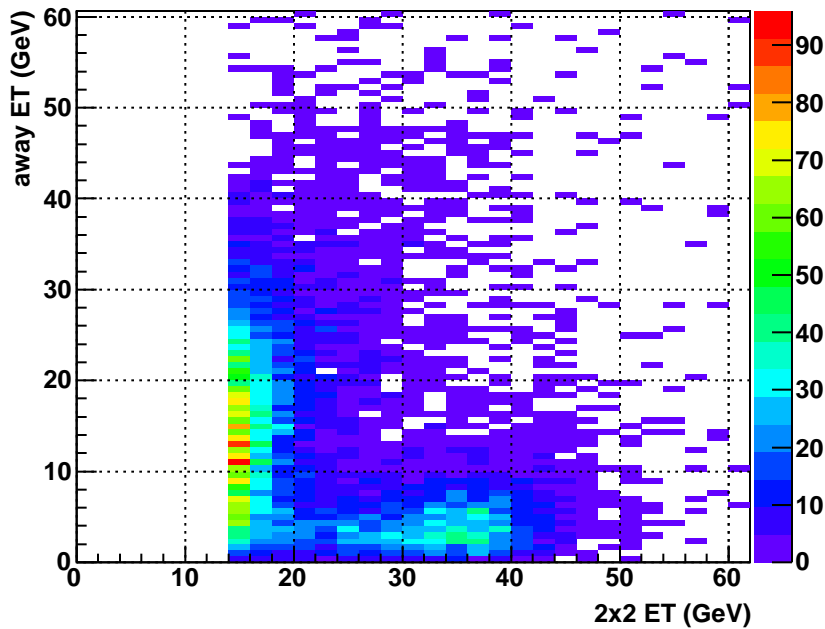
Entries 9175



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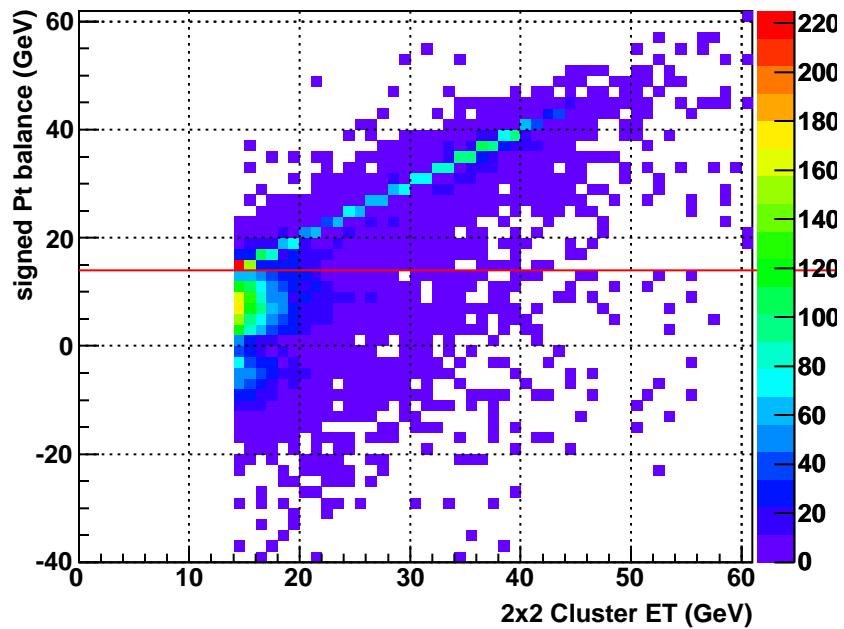
Barrel: away TPC+EMC ET sum vs. 2x2 cluster ET

Entries 9175



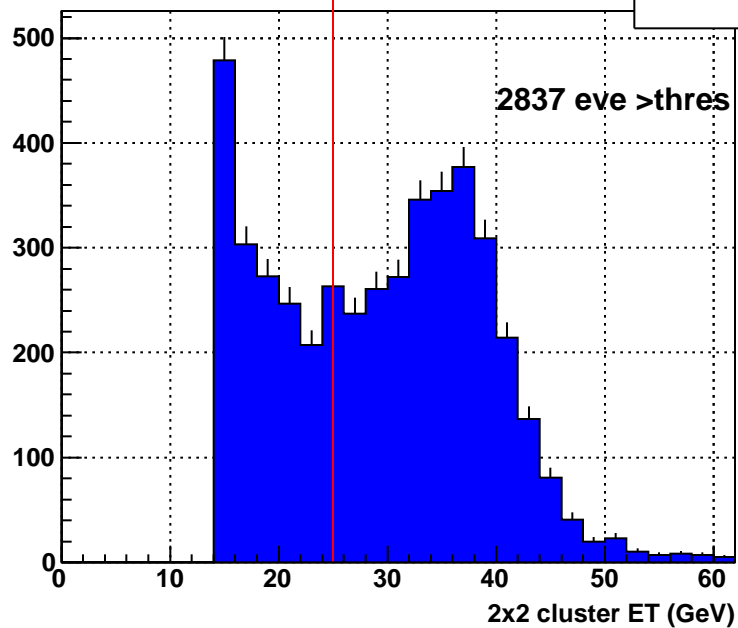
Barrel: sPtBalance vs cluster ET

Entries 9175



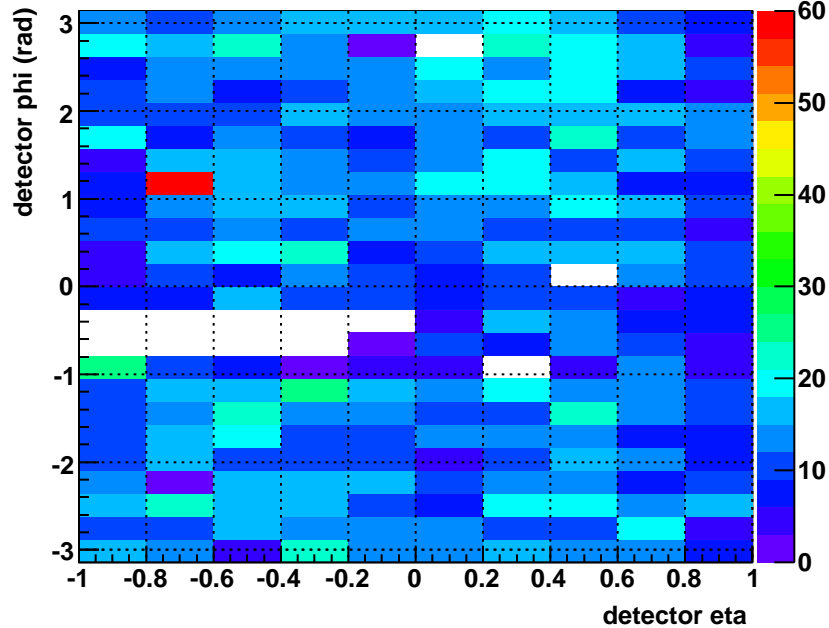
Barrel W: Final Selection : 2011Walgo

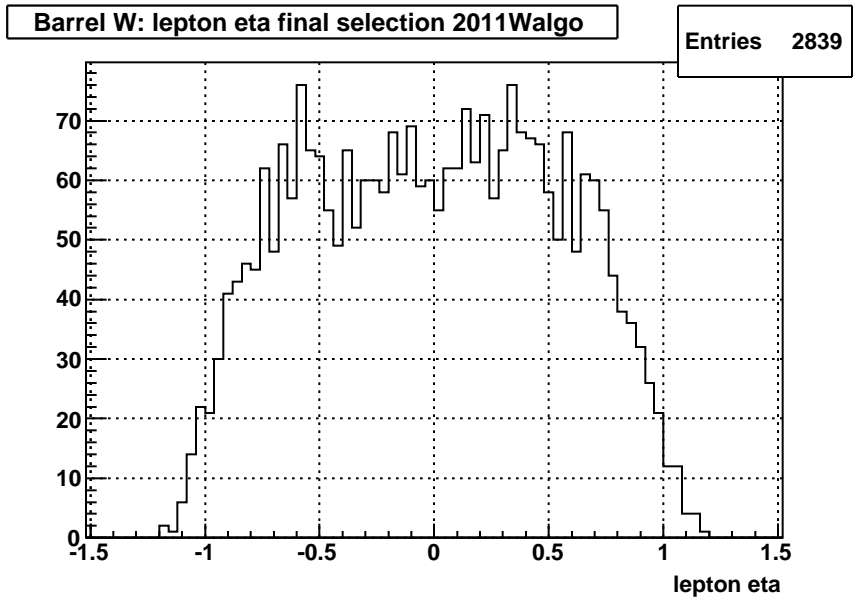
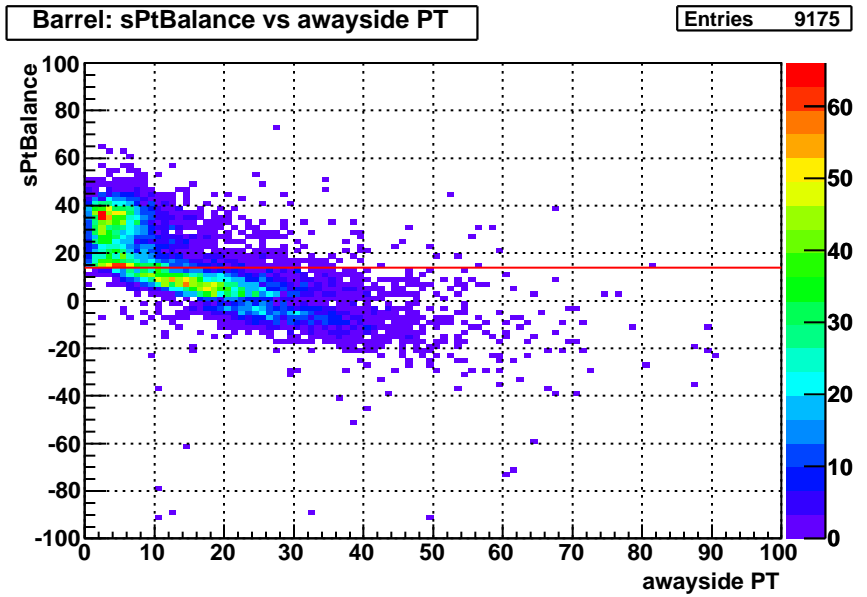
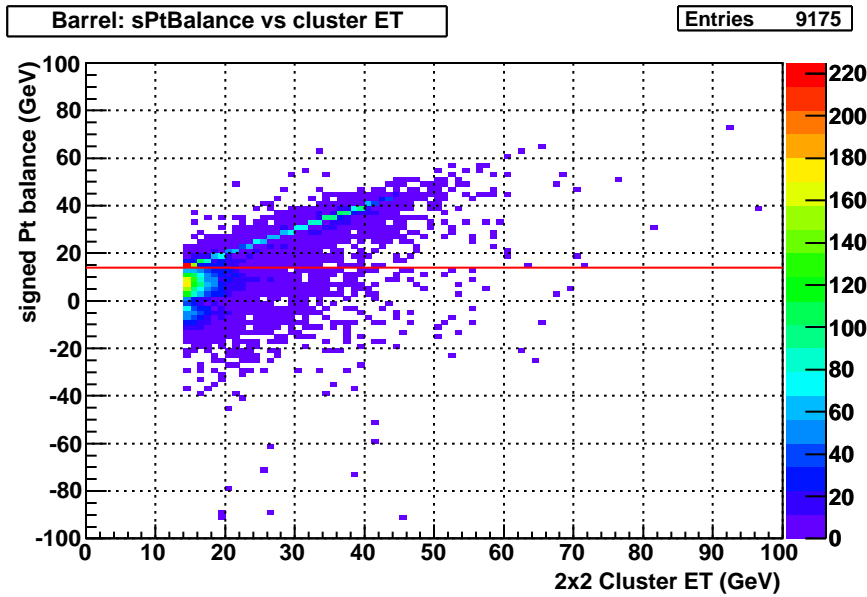
Entries 4495



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

Entries 2839

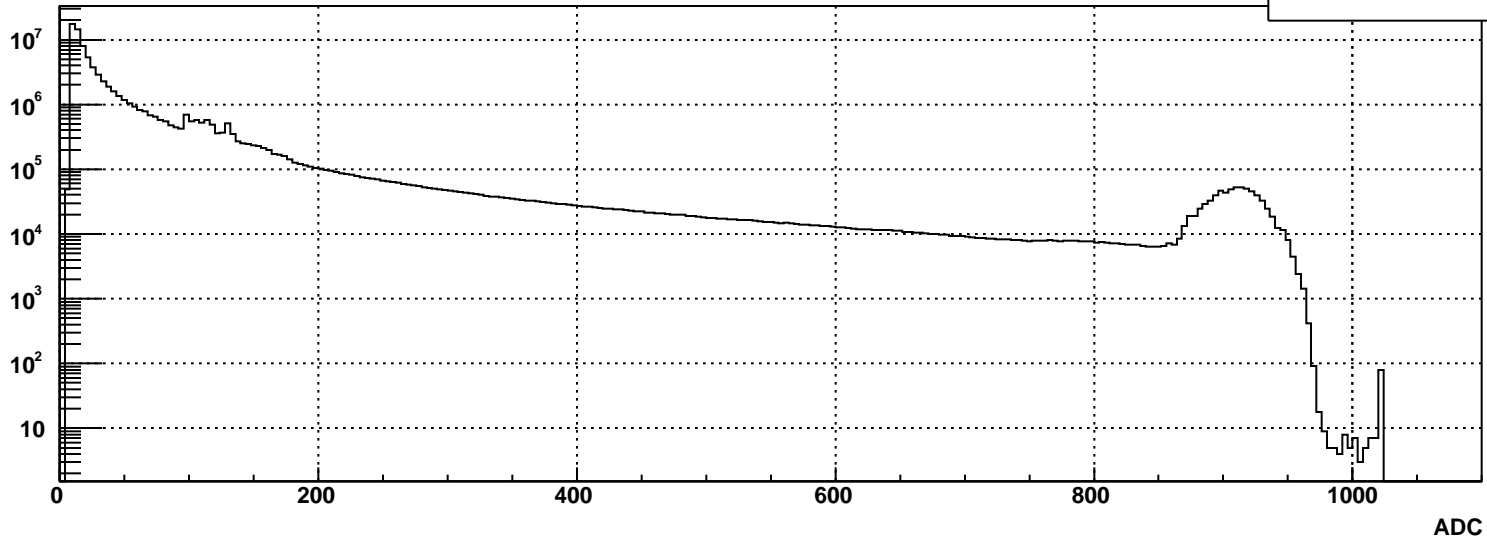




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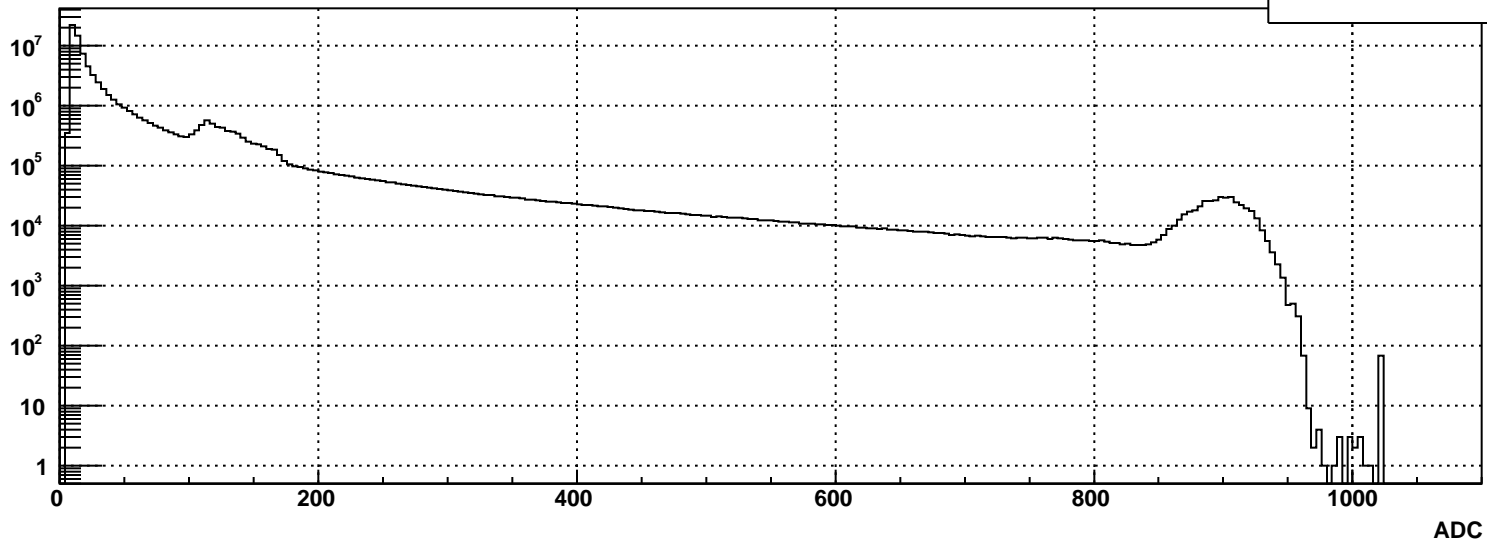
BSMD-E whole plane ADC

Entries 8.018398e+07



BSMD-P whole plane ADC

Entries 7.822386e+07

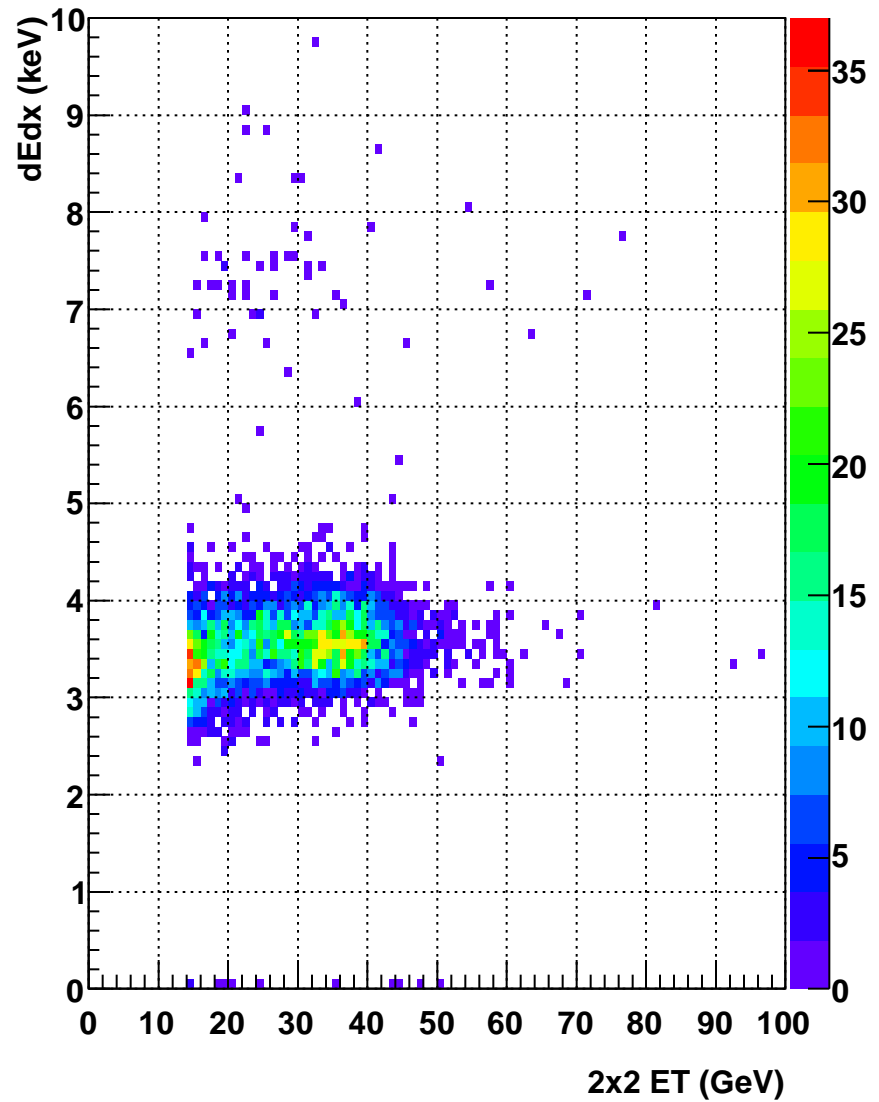
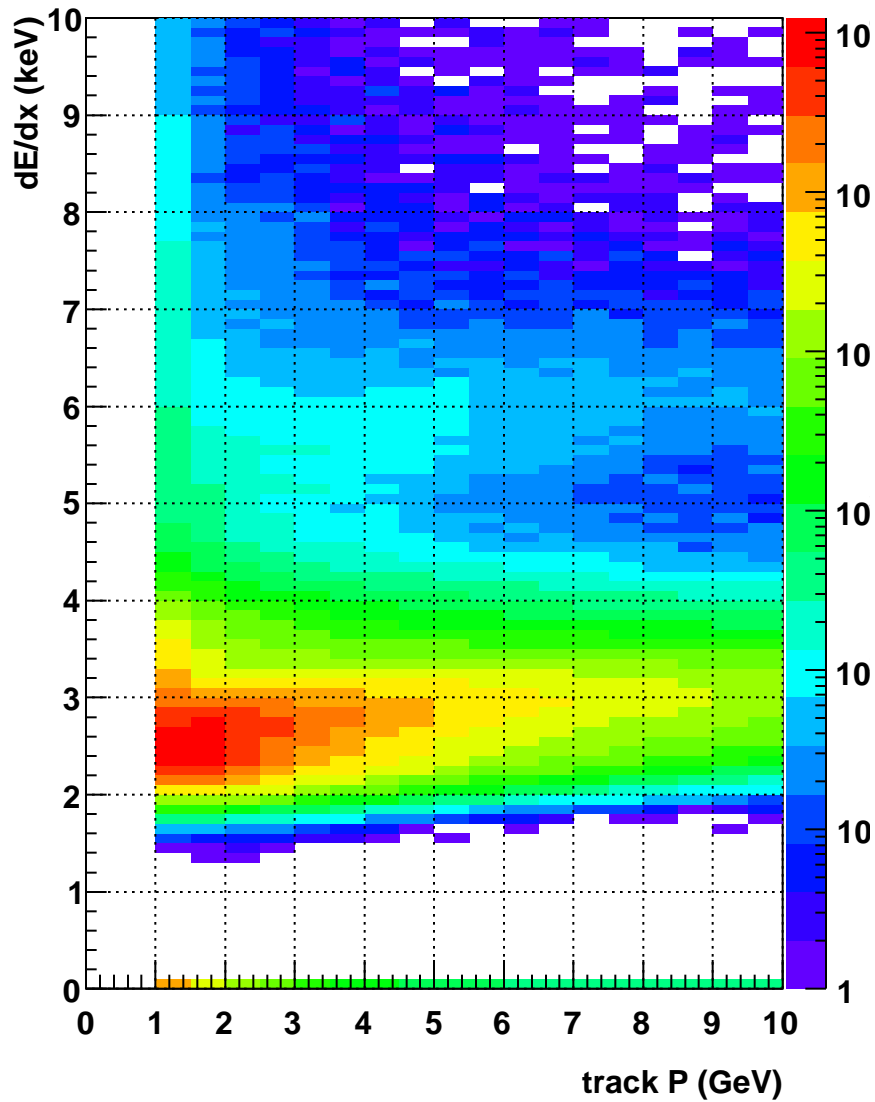


Barrel: dEdX vs. momentum

Entries 2.696429e+07

Barrel W: Track dEdx, final selection

Entries 4495





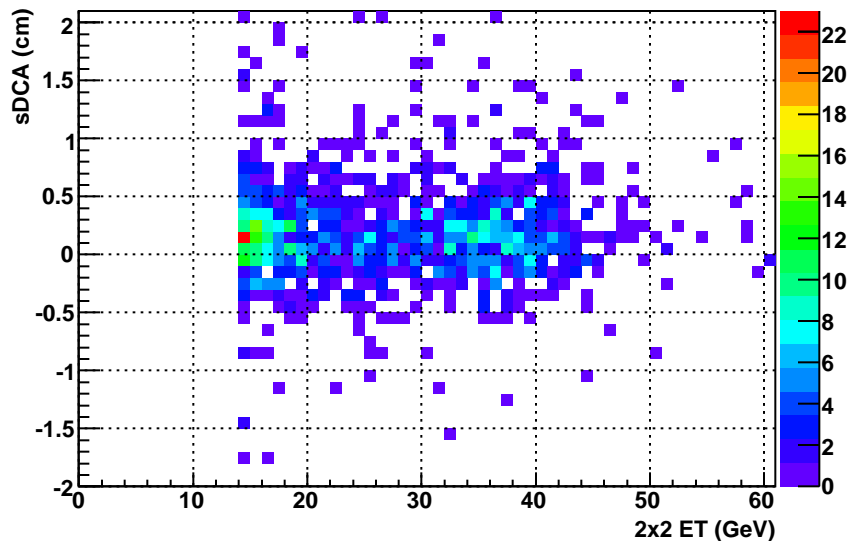
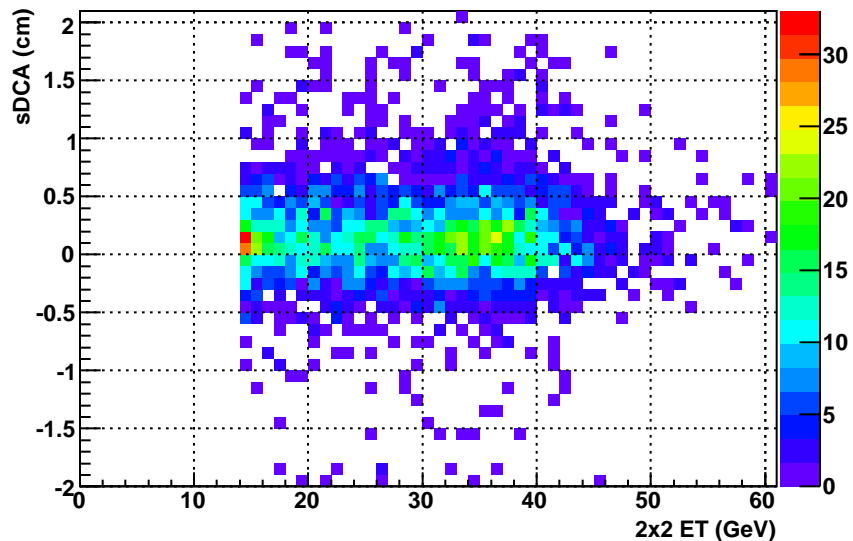
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Barrel W: Track prim POSITIVE glob signed DCA, final selection

Entries 3280

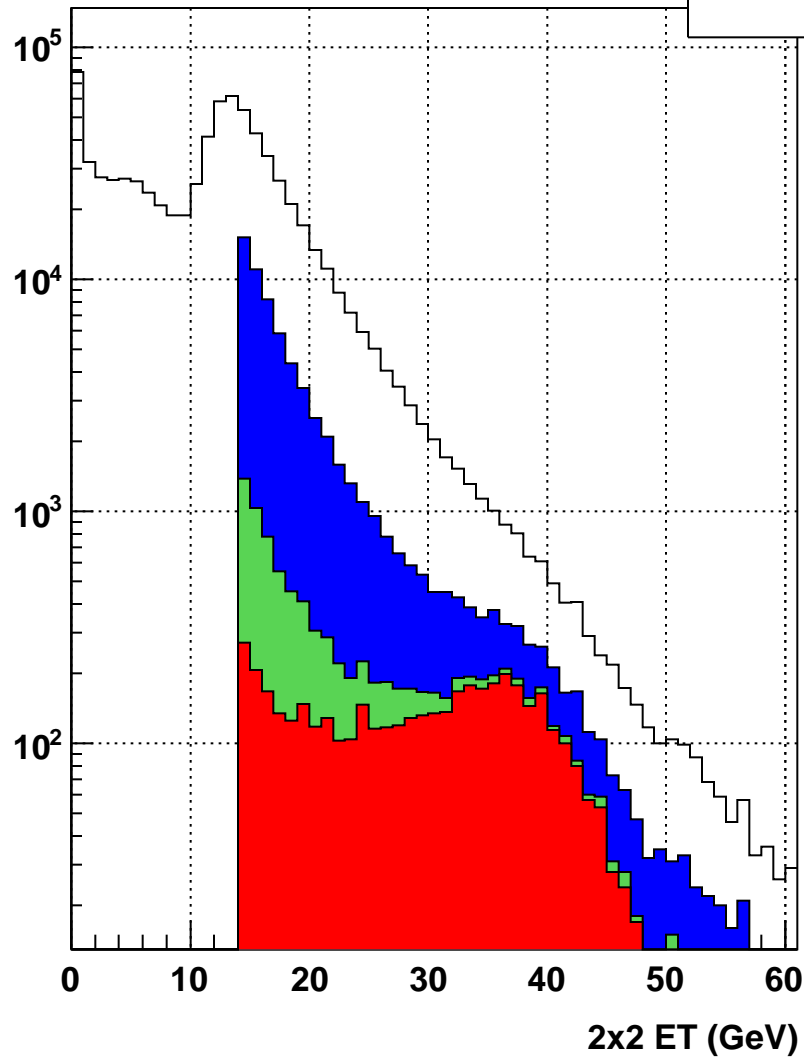
Barrel W: Track prim NEGATIVE glob signed DCA, final selection

Entries 1215



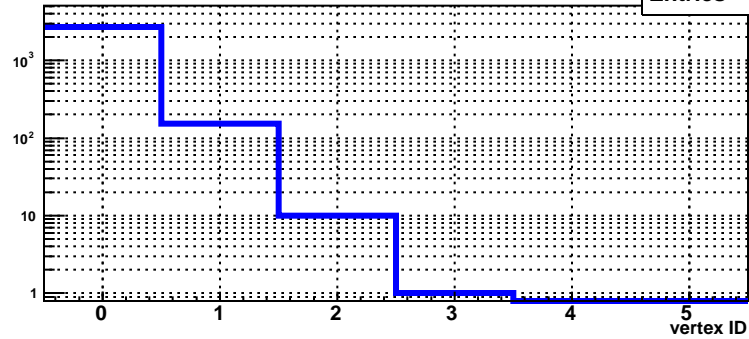
Barrel electron candidate, cut=max 2x2

Entries 762029



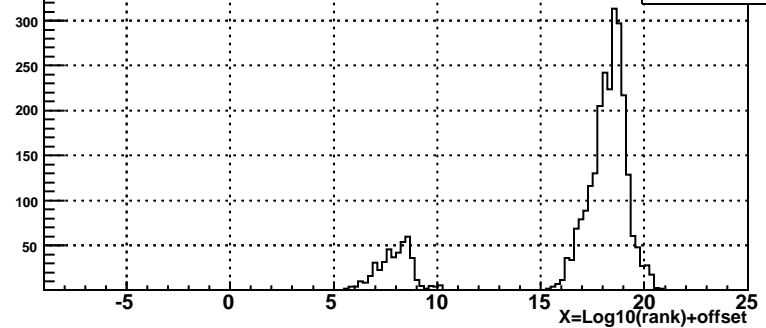
Barrel W: Vertex ID, final selection, 2x2 ET>25 GeV

Entries 2839



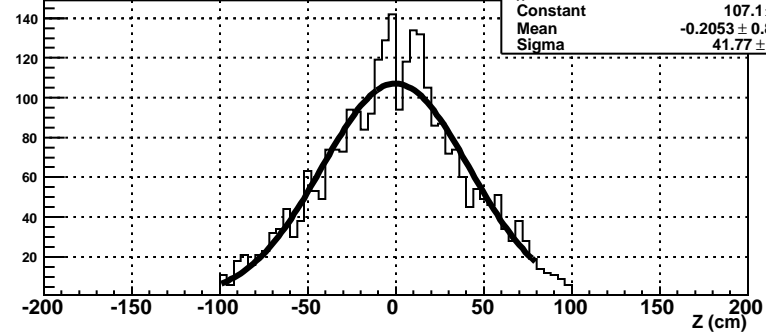
Barrel W: Vertex 'funny' rank, final W selection, 2x2 ET>25 GeV

Entries 2839

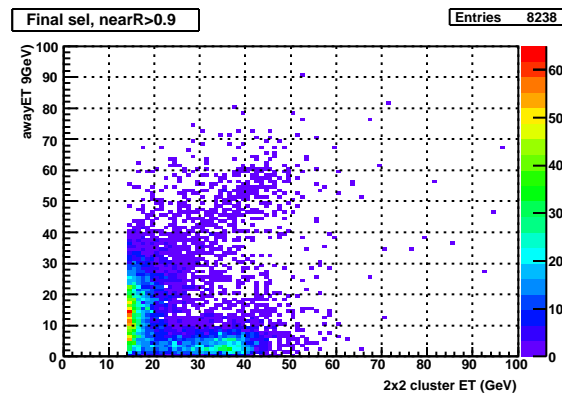
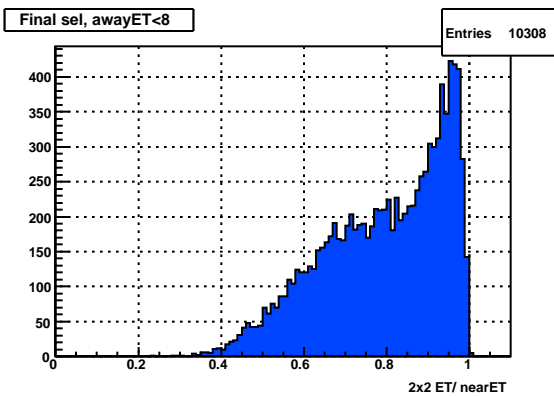
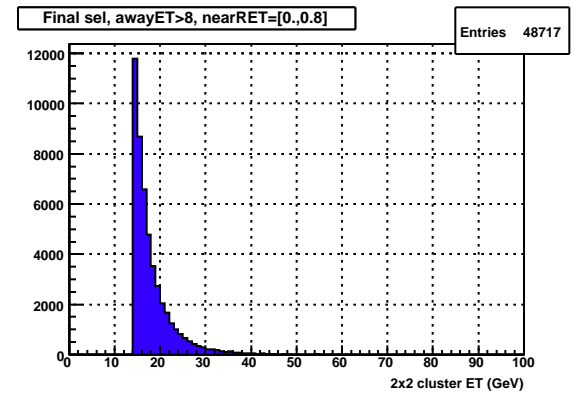
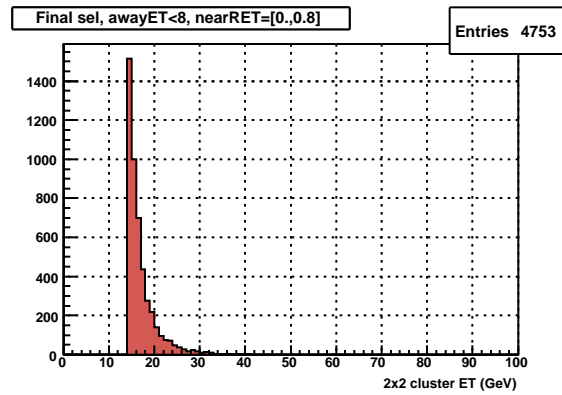
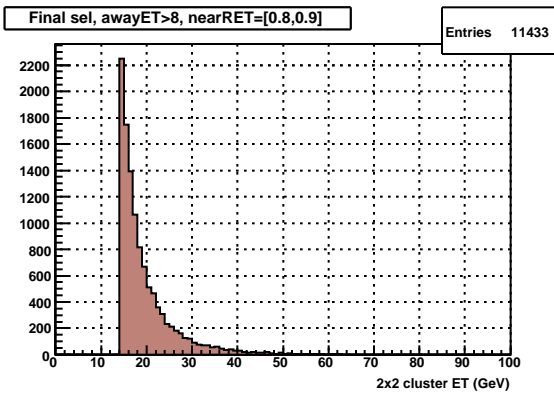
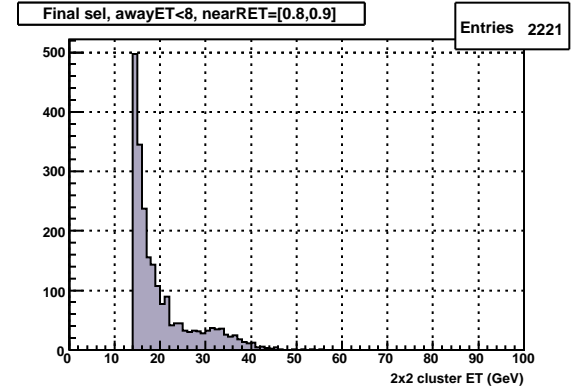
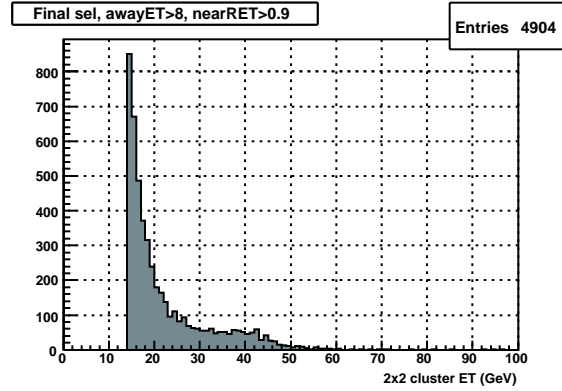
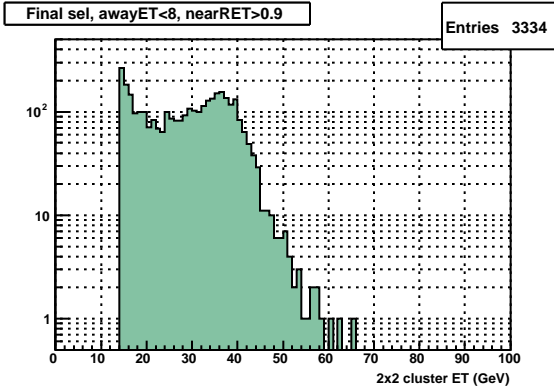


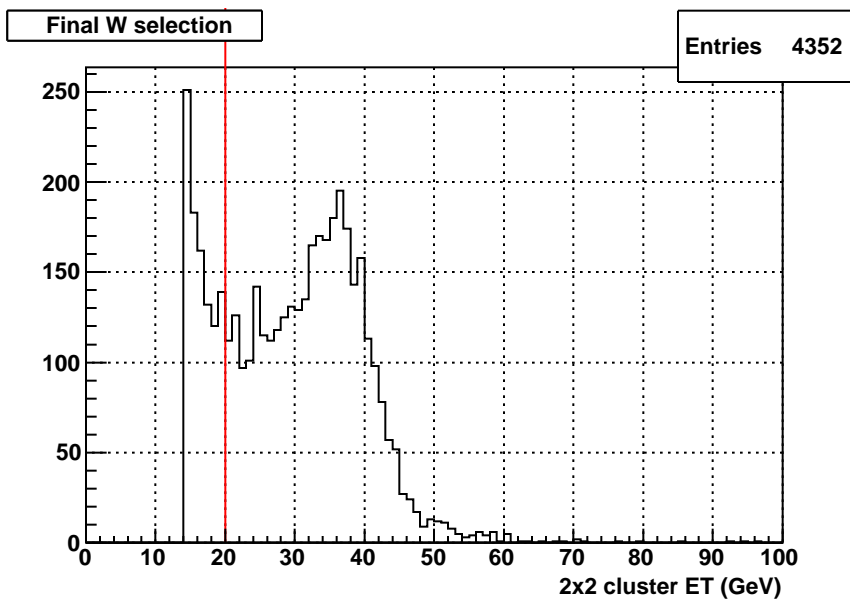
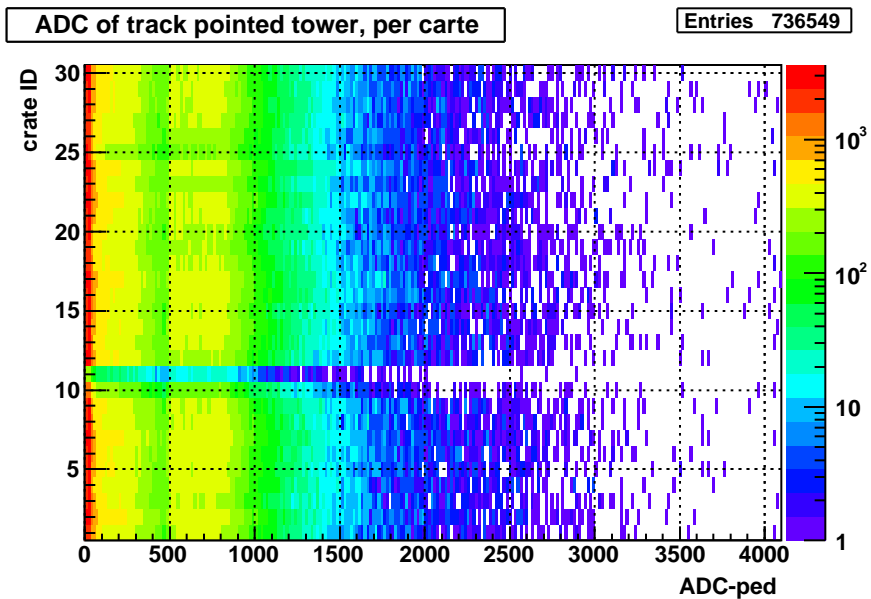
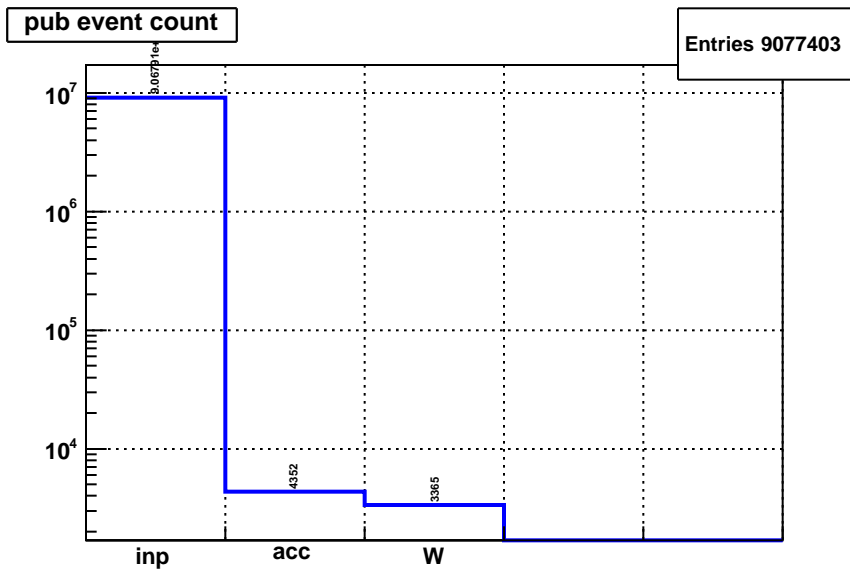
Barrel W: Vertex Z, final selection, 2x2 ET>25 GeV

|                       |                      |
|-----------------------|----------------------|
| Entries               | 2839                 |
| $\chi^2 / \text{ndf}$ | 82.76 / 42           |
| Constant              | 107.1 $\pm$ 2.8      |
| Mean                  | -0.2053 $\pm$ 0.8995 |
| Sigma                 | 41.77 $\pm$ 0.90     |

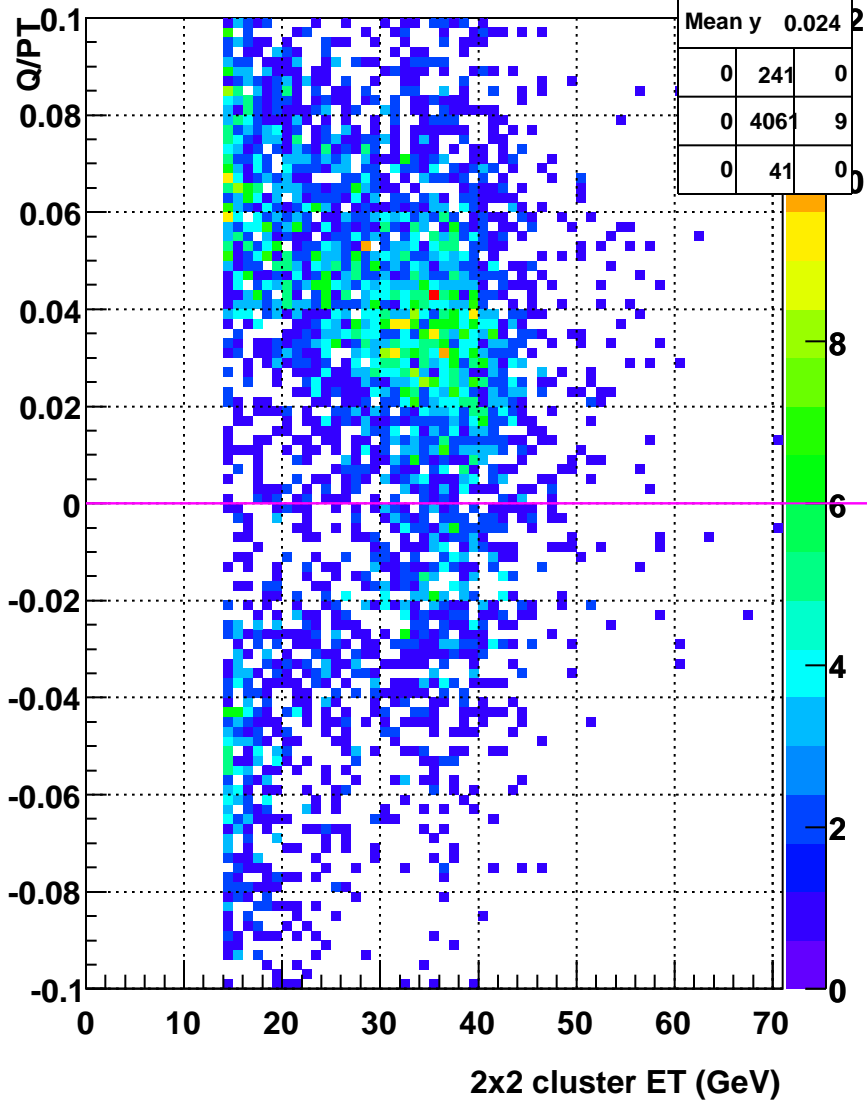


Background study for Joe, run12setP12345678\_passQA\_noDay85\_86, page=19, Mon Aug 27 13:21:31 2012

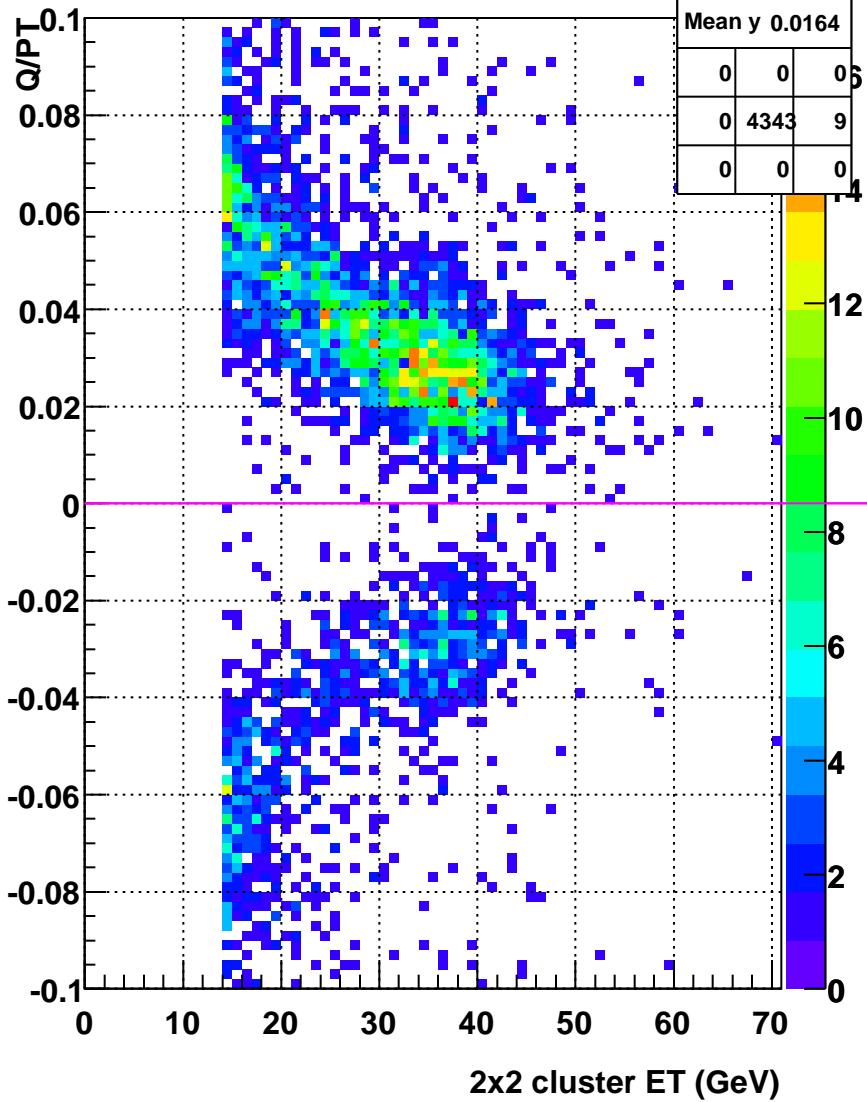




TPC GLOB Q/PT

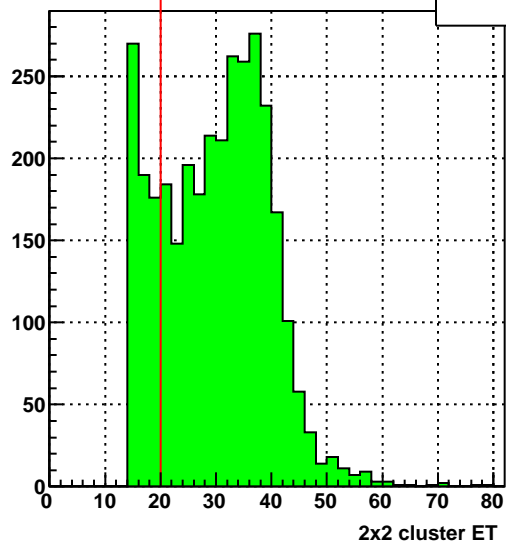


TPC PRIM Q/PT



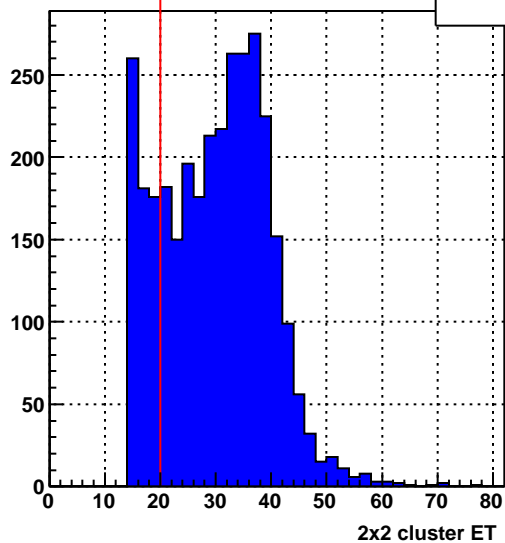
Final W glob Q=P

Entries 3233



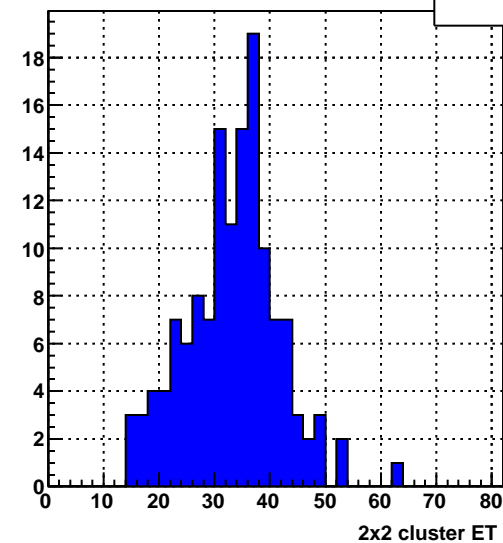
Final W prim Q=P

Entries 3191



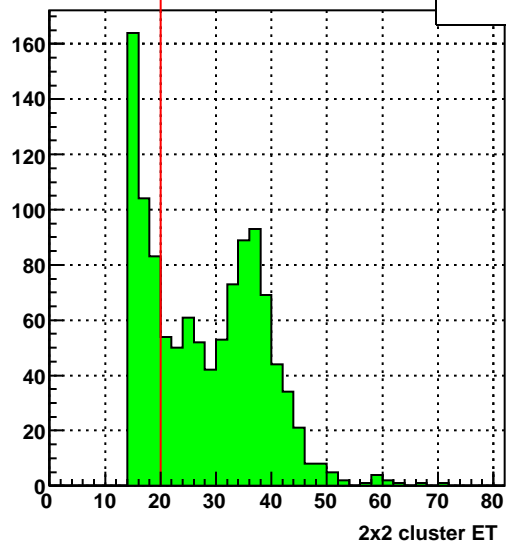
prim sign=P flip after V-refit

Entries 137



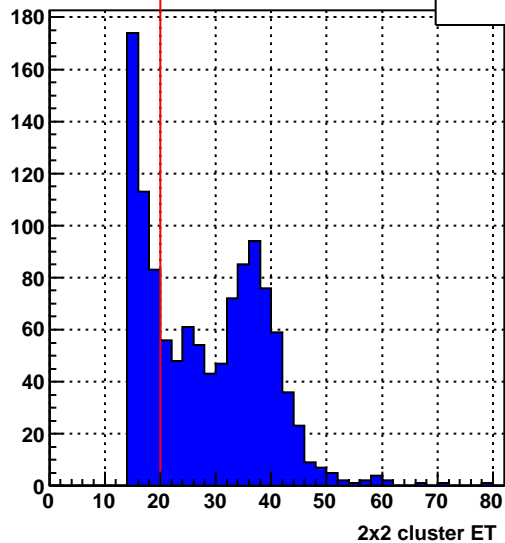
Final W glob Q=N

Entries 1119



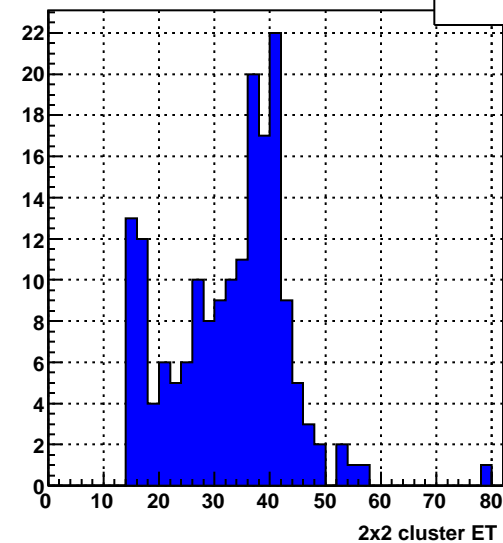
Final W prim Q=N

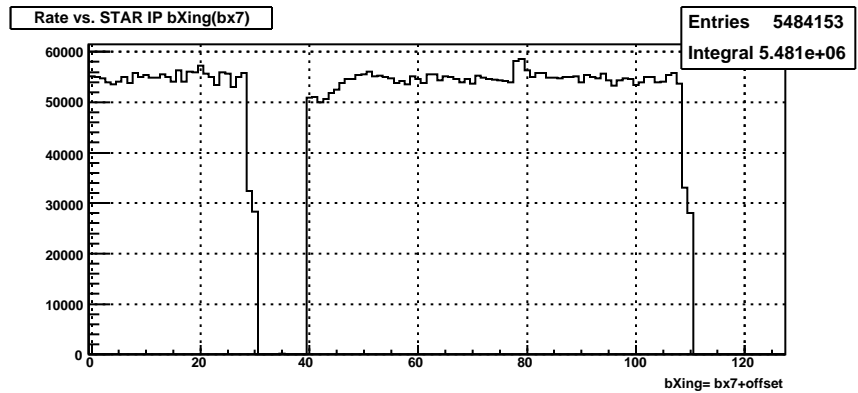
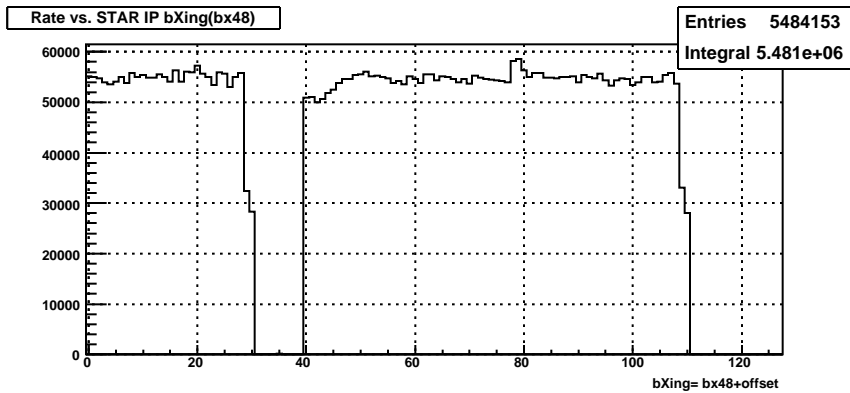
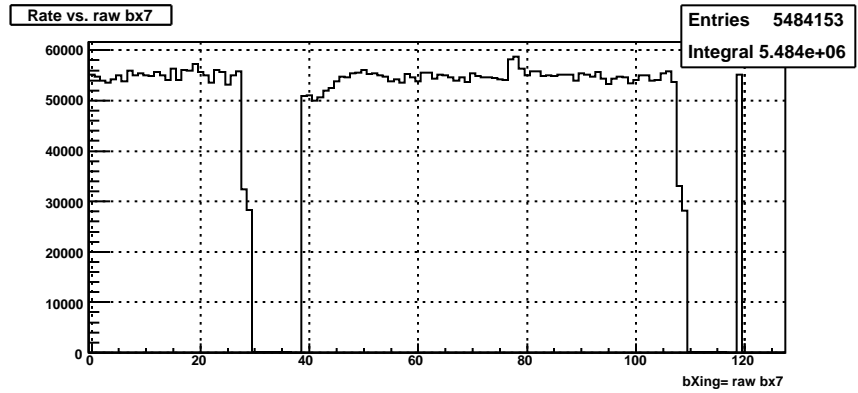
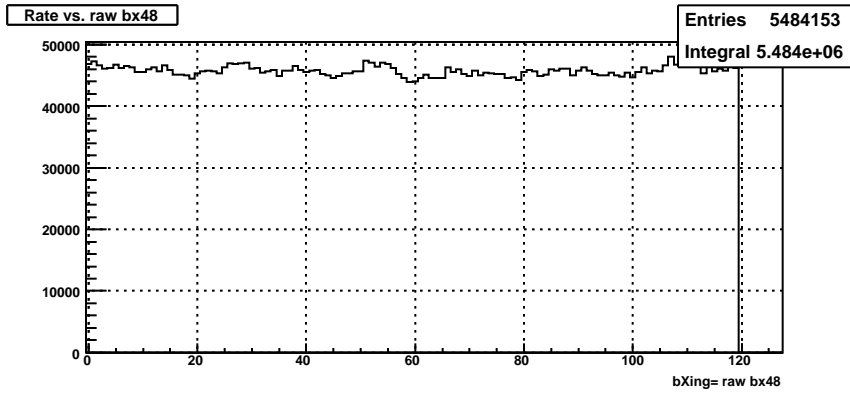
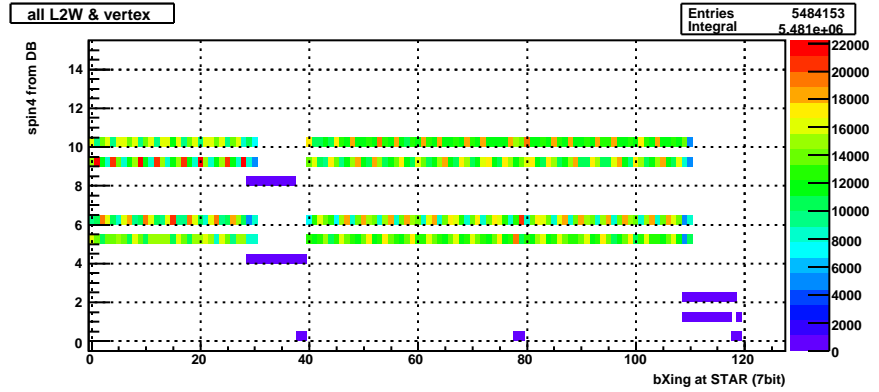
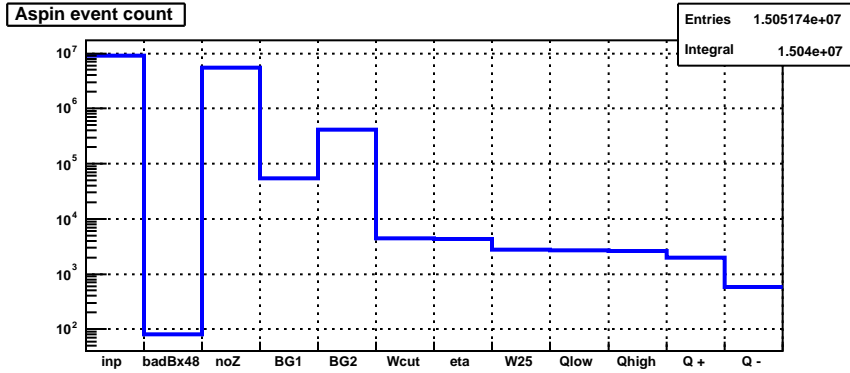
Entries 1161



prim sign=N flip after V-refit

Entries 179

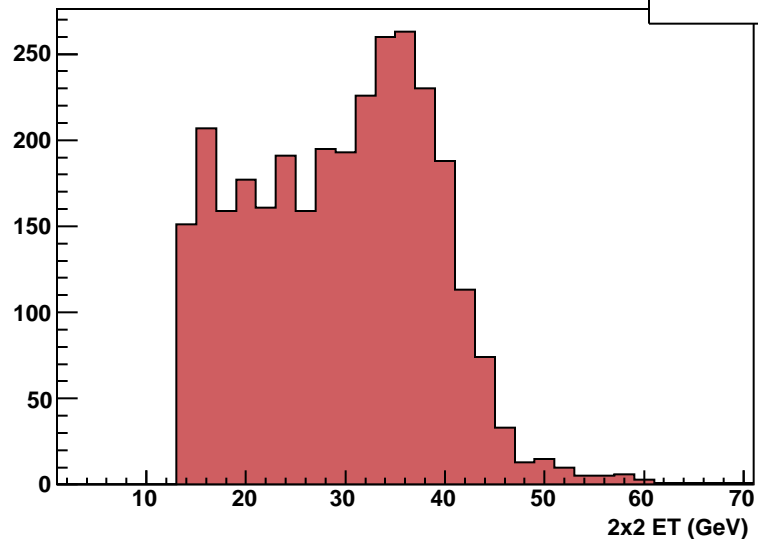




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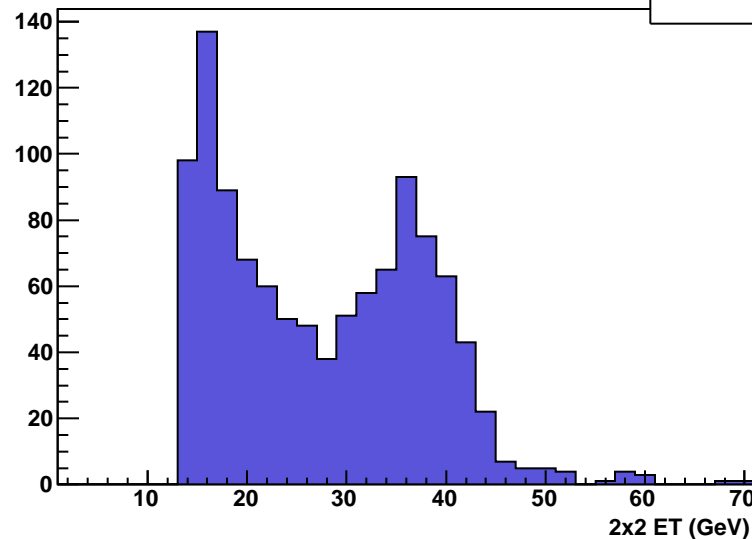
Final W, charge=P : Eta7

Entries 3046



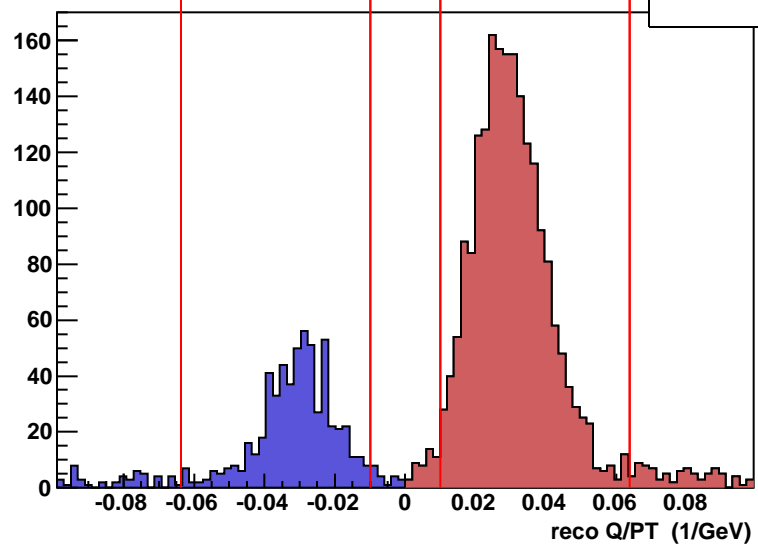
Final W, charge=N : Eta7

Entries 1090



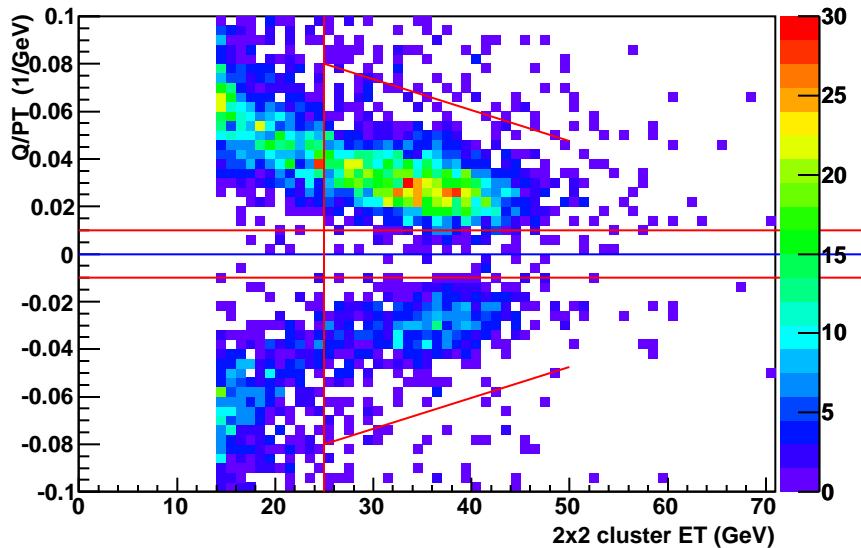
reco Q/PT,W ET>25 GeV

Entries 2761

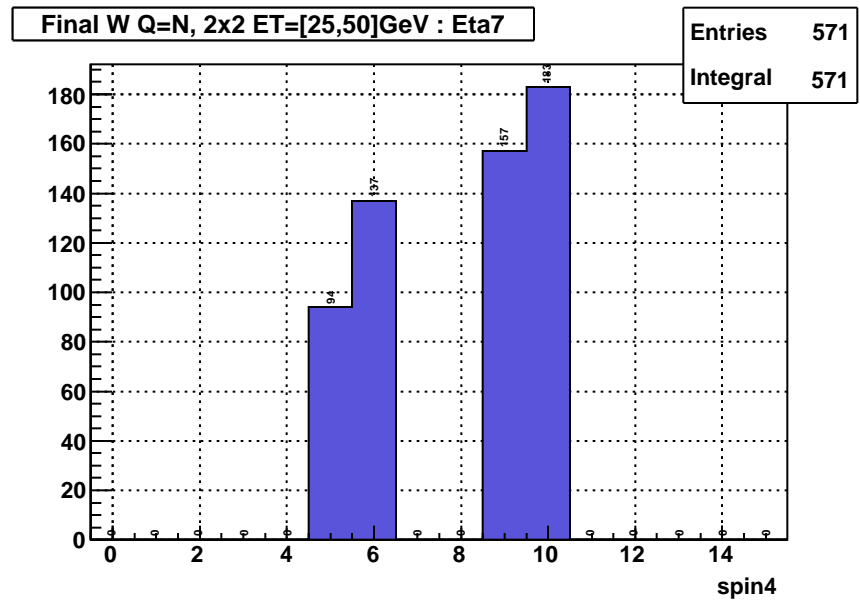
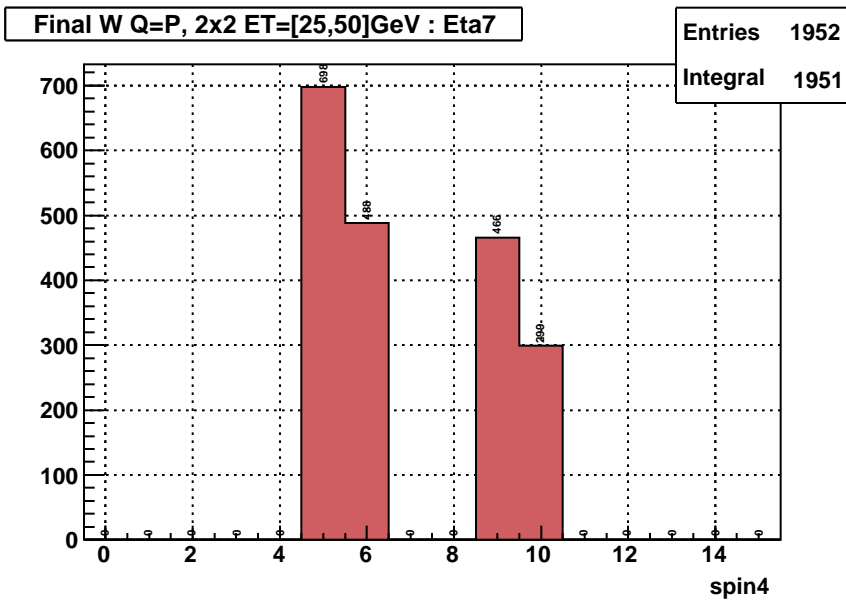
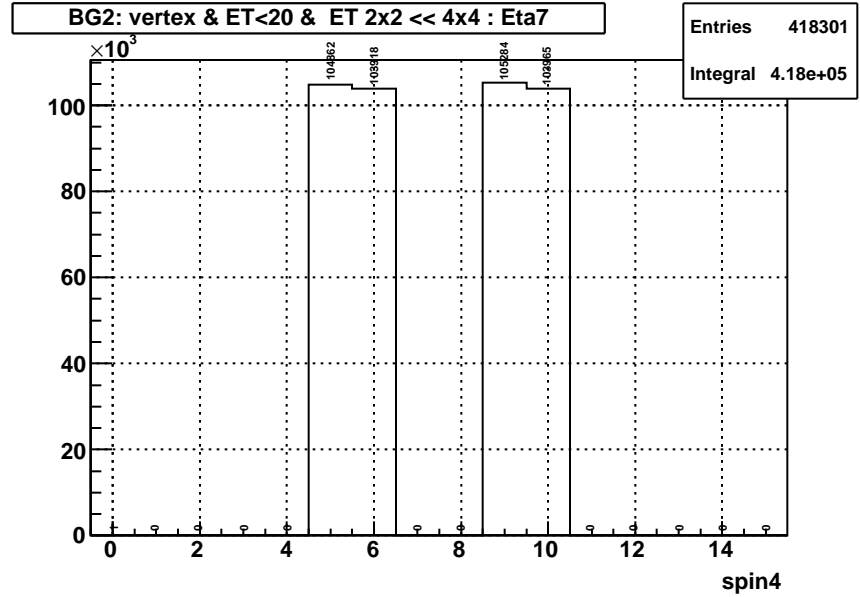
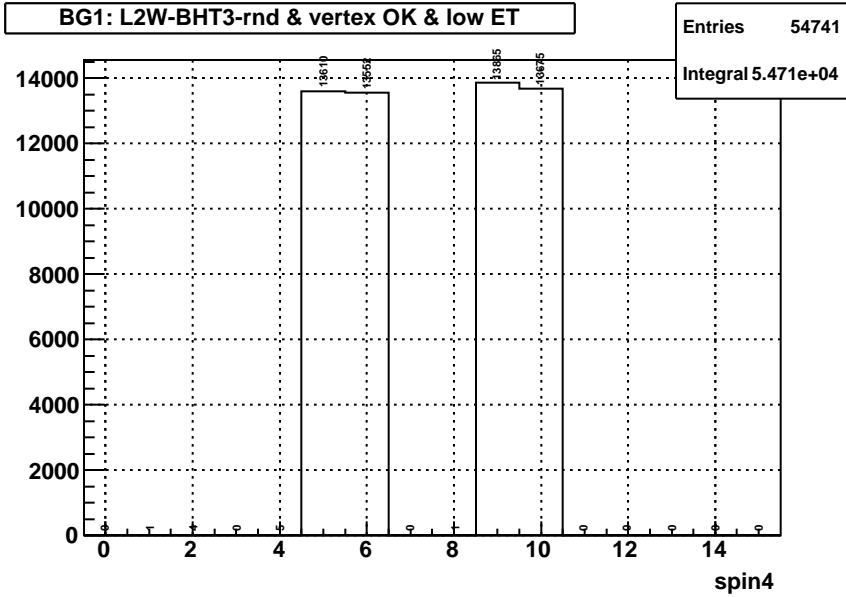


TPC PRIM Q/PT

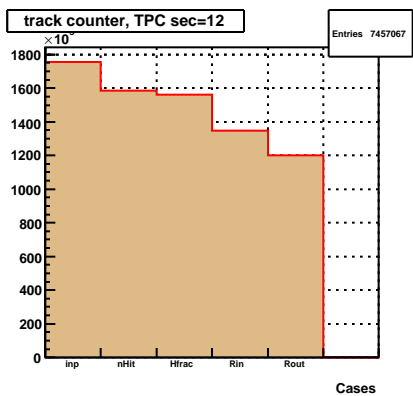
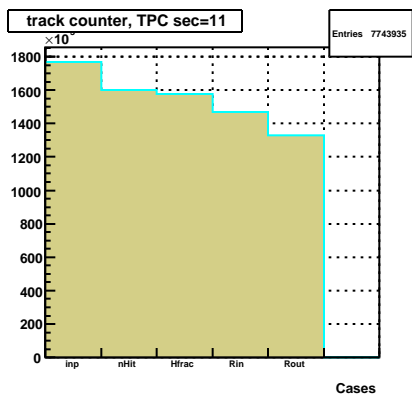
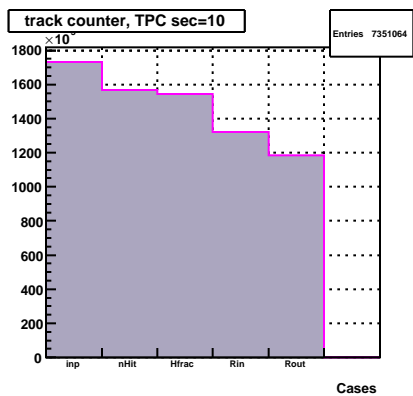
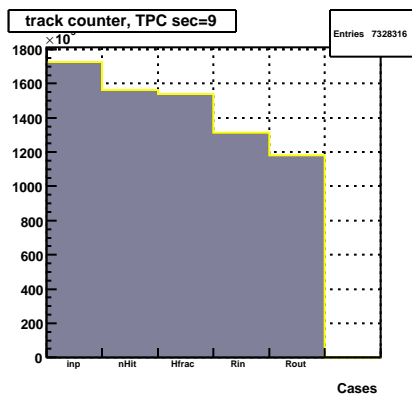
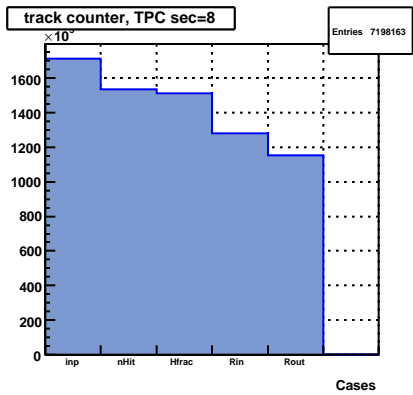
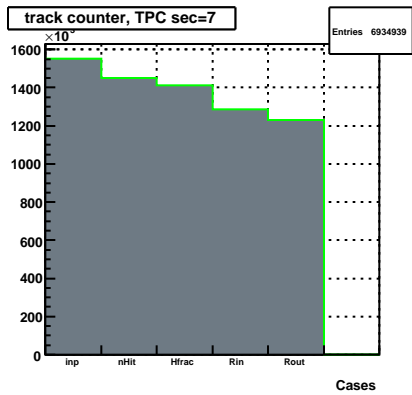
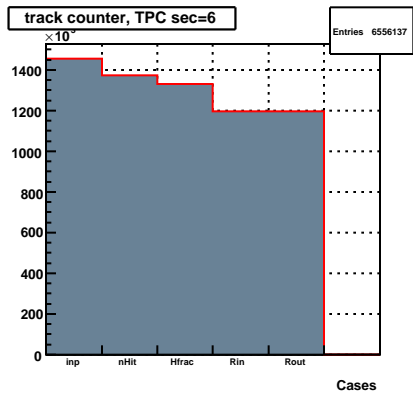
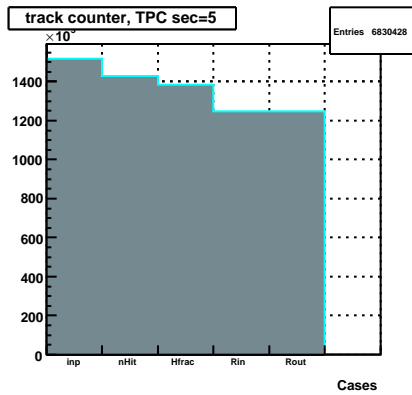
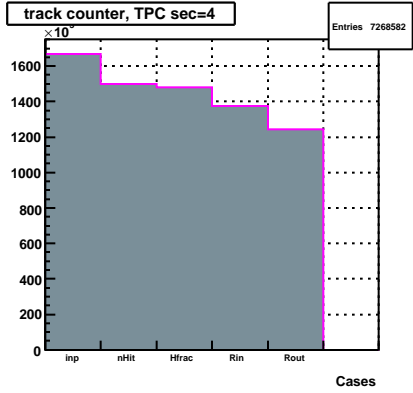
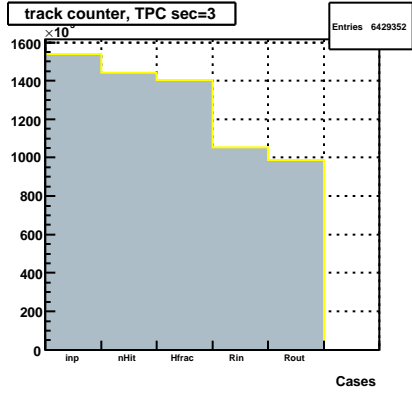
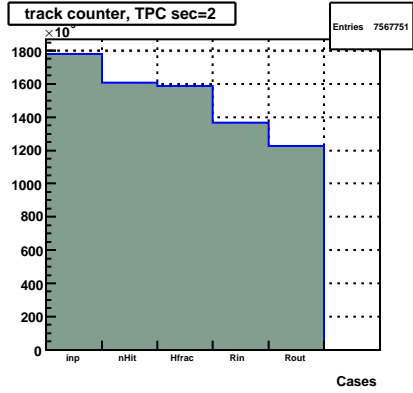
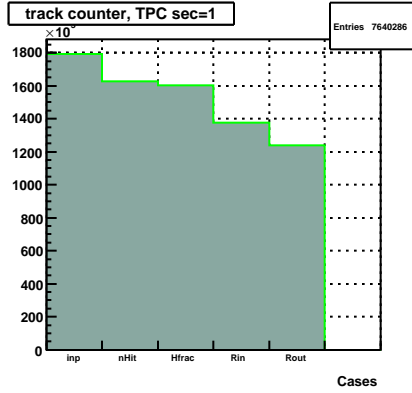
Entries 4318

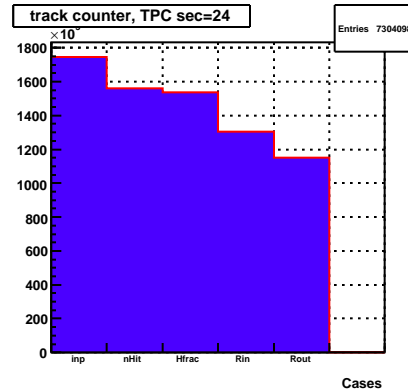
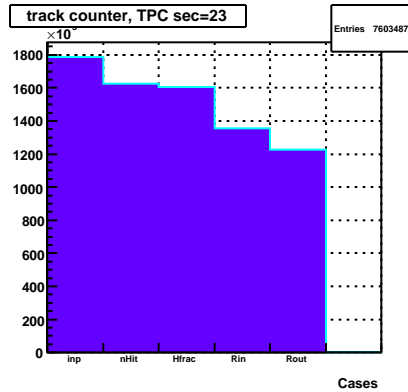
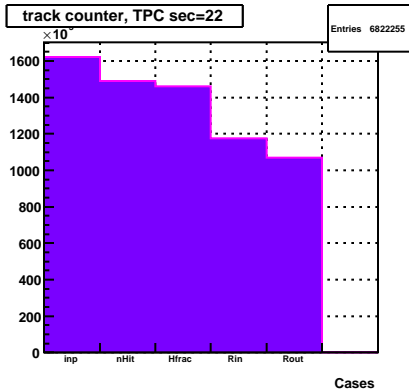
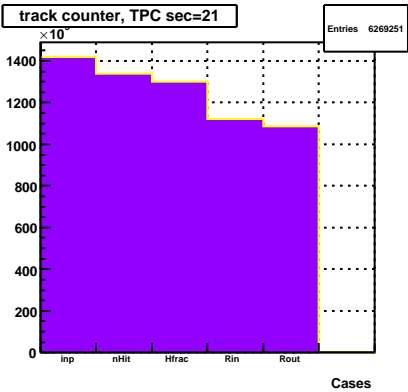
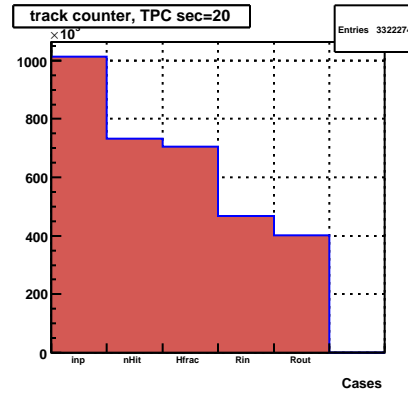
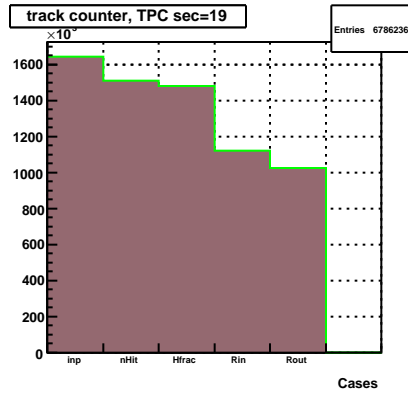
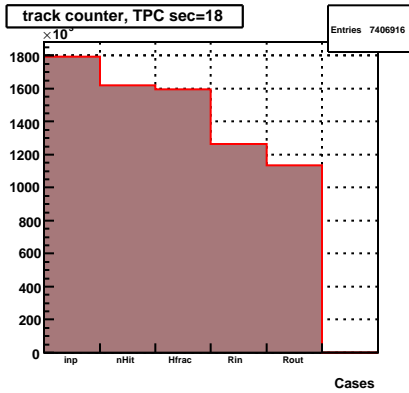
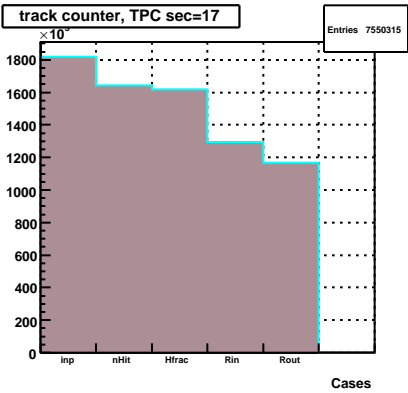
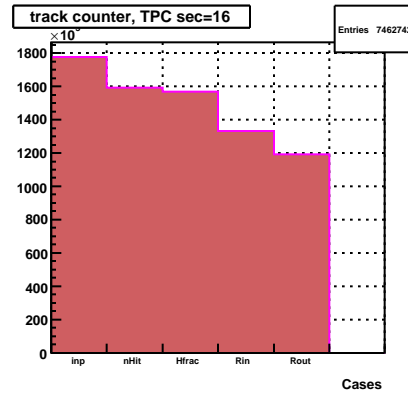
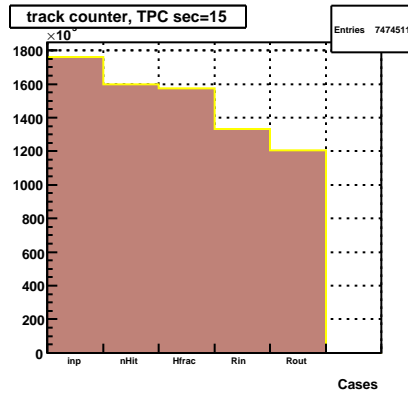
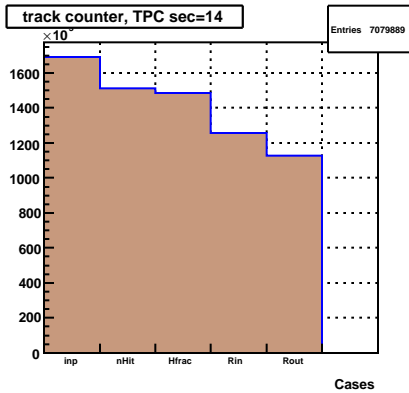
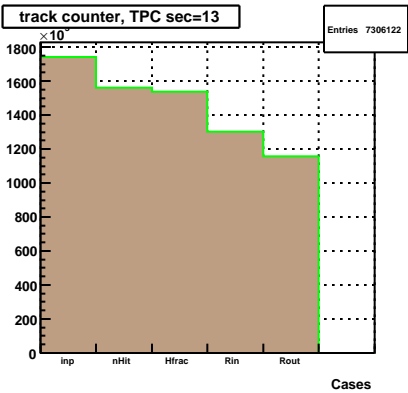




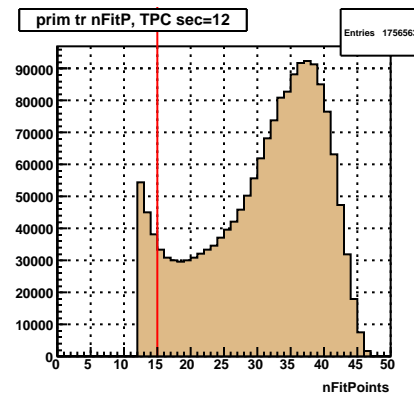
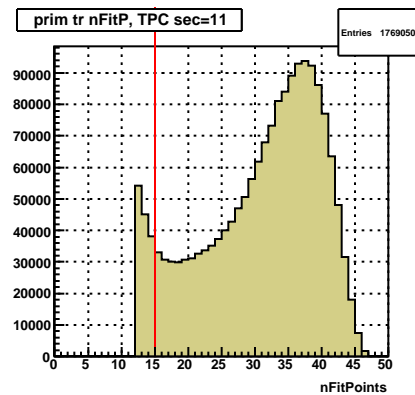
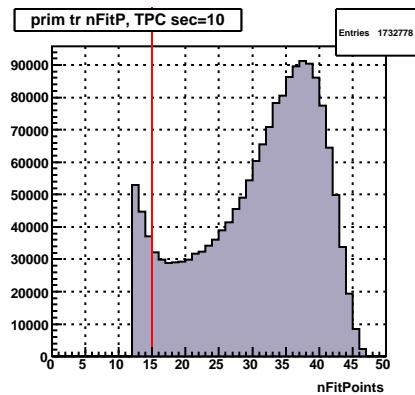
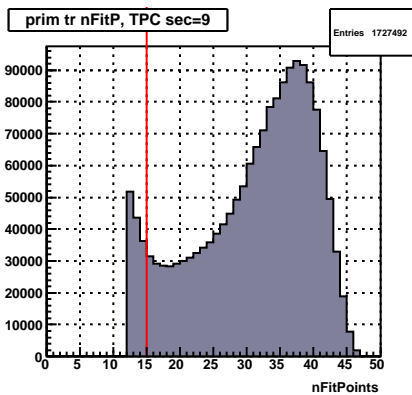
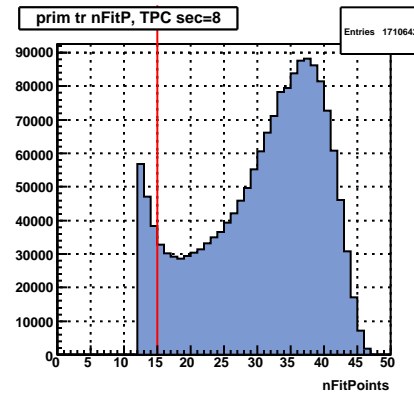
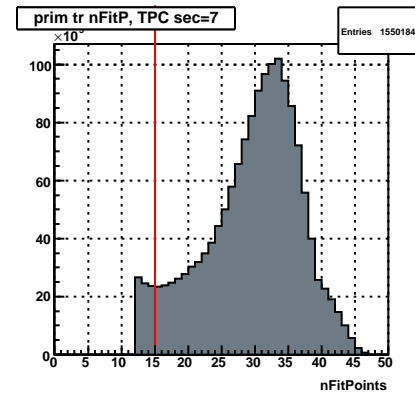
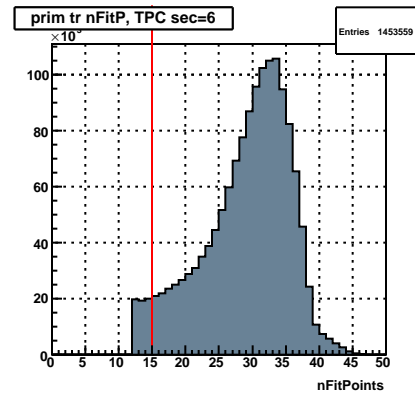
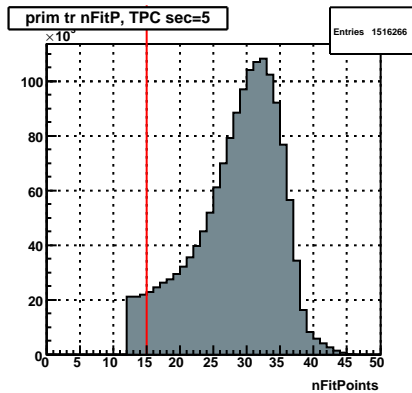
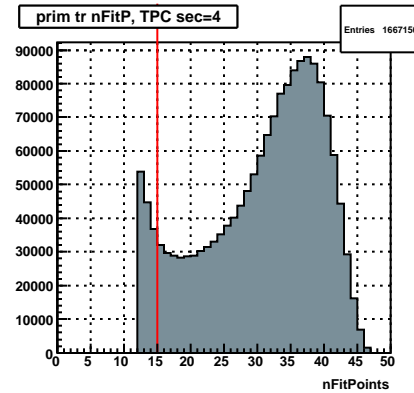
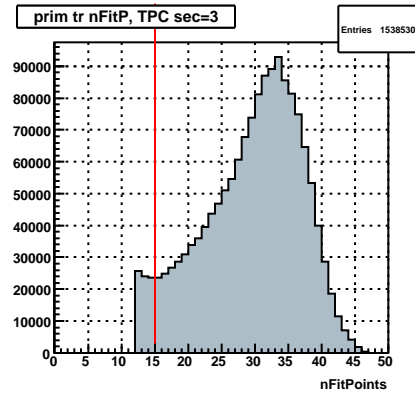
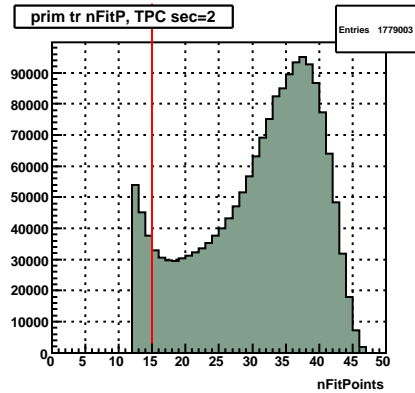
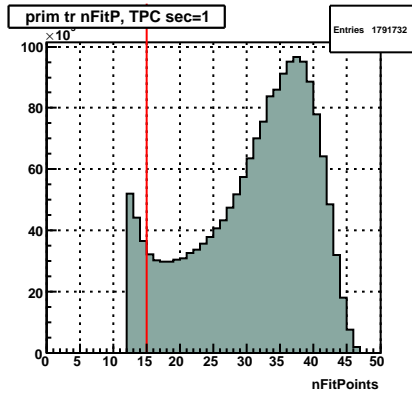


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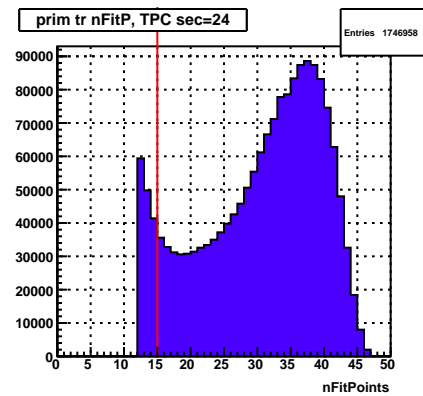
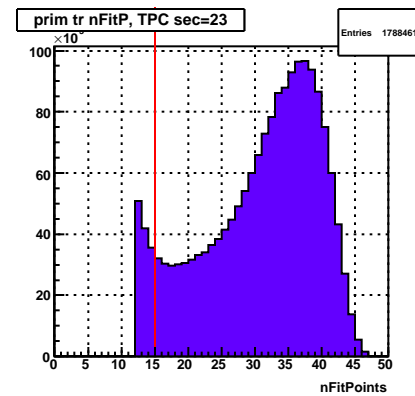
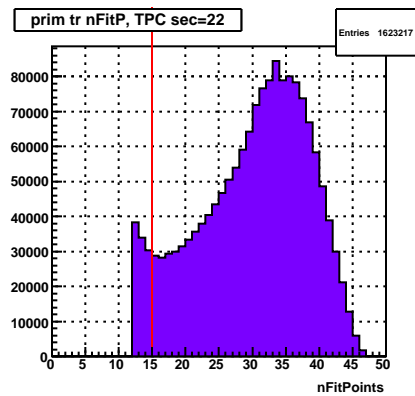
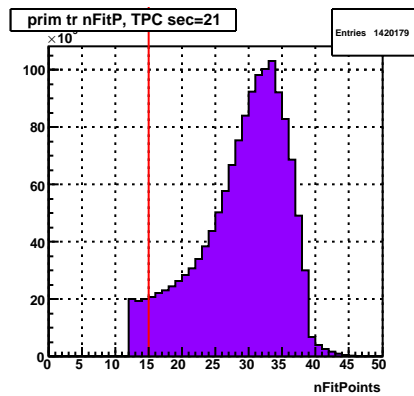
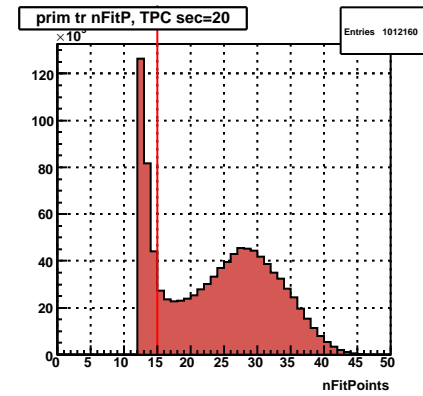
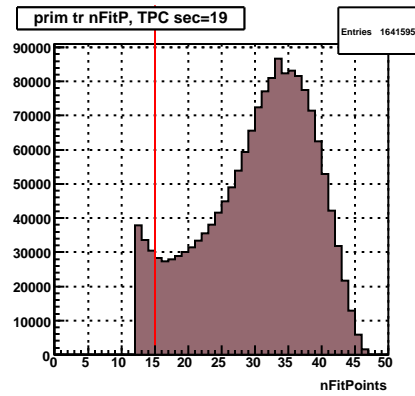
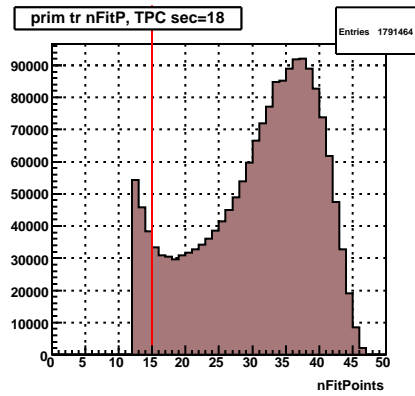
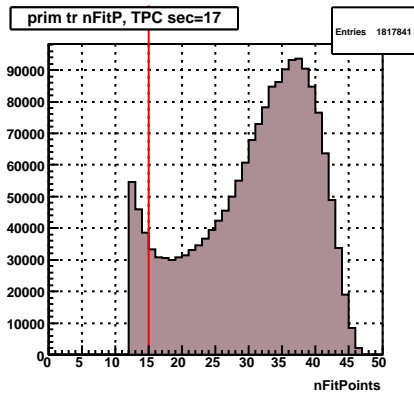
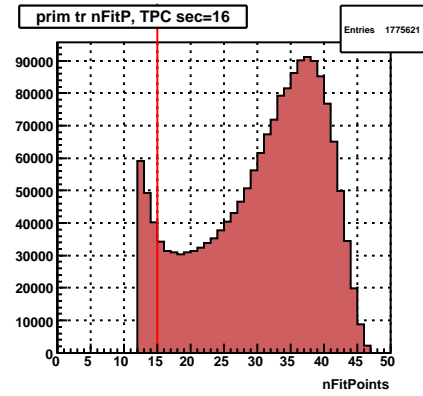
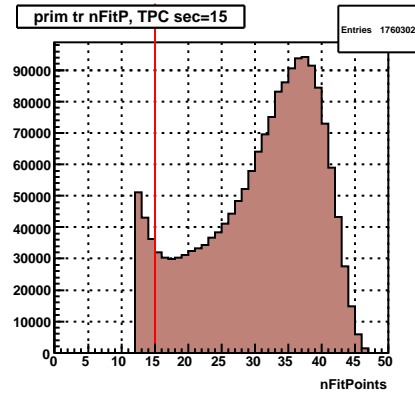
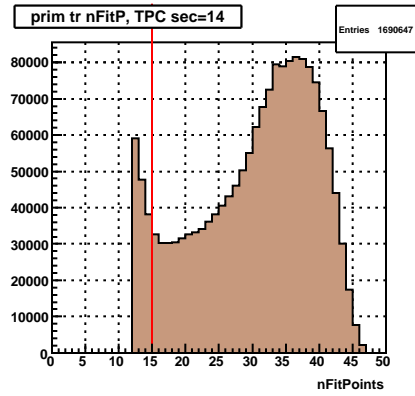
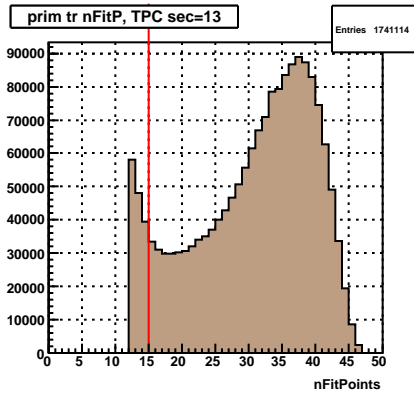




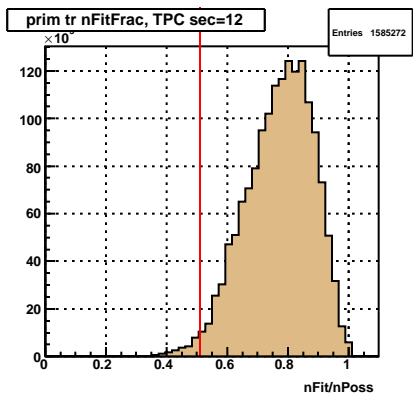
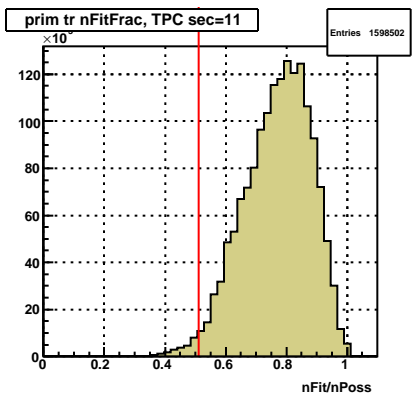
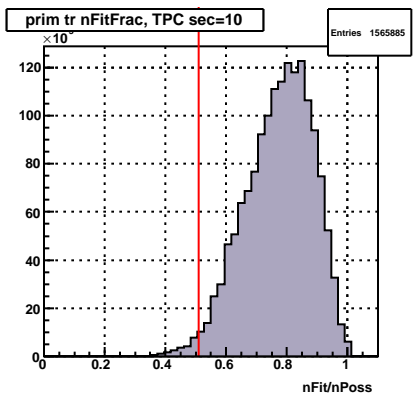
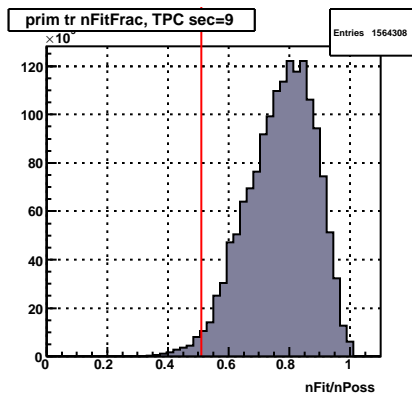
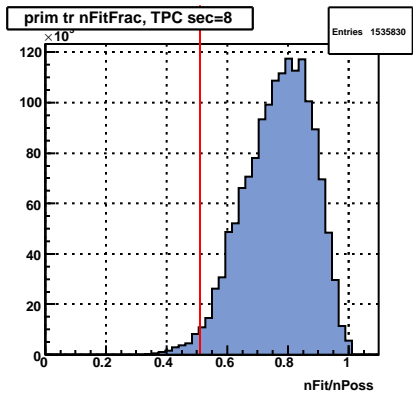
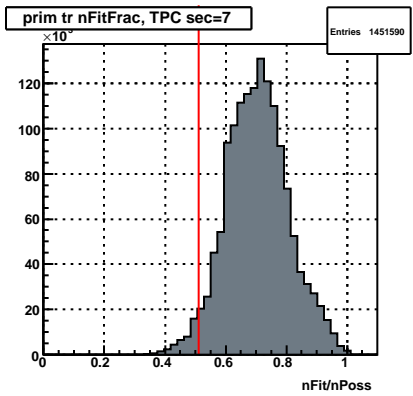
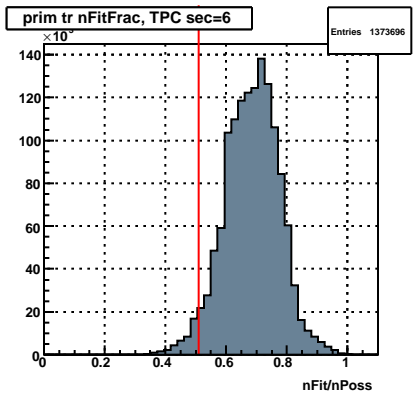
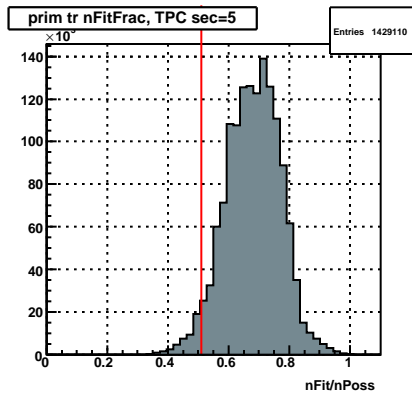
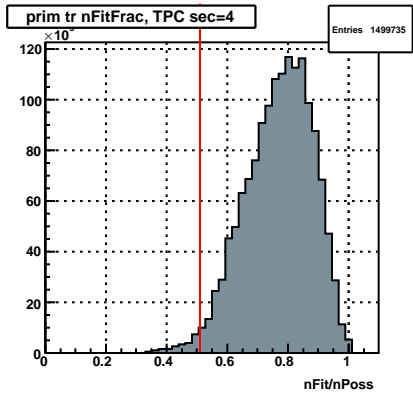
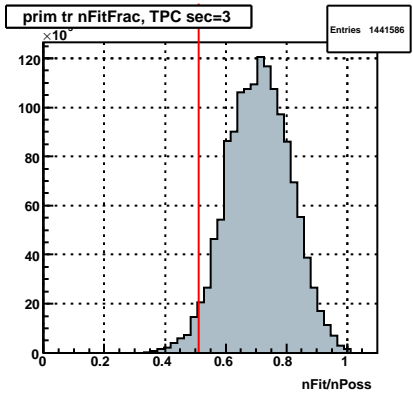
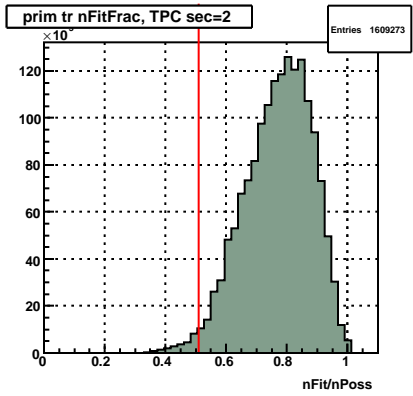
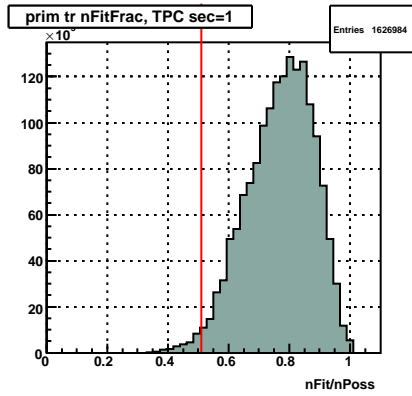
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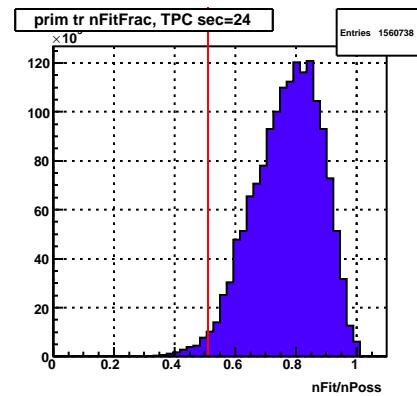
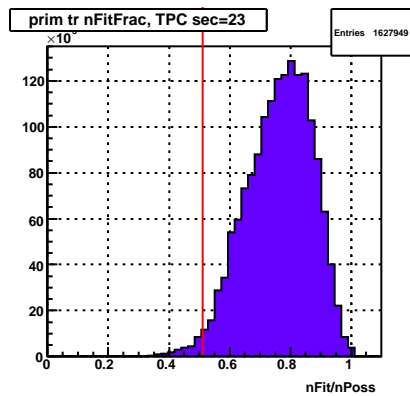
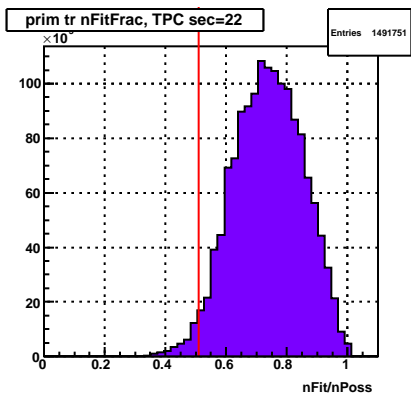
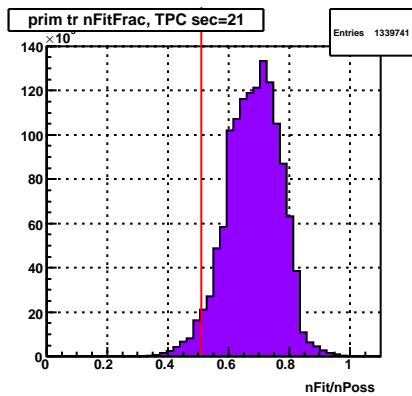
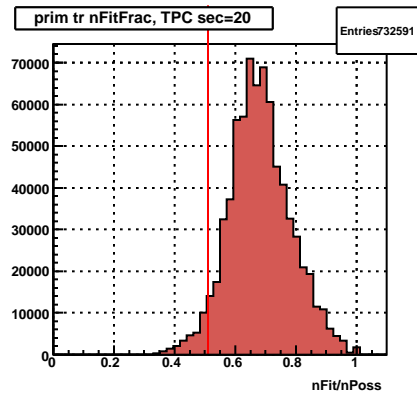
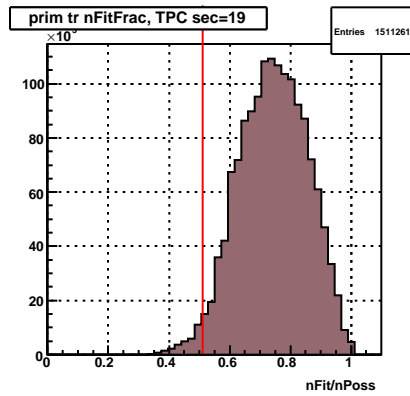
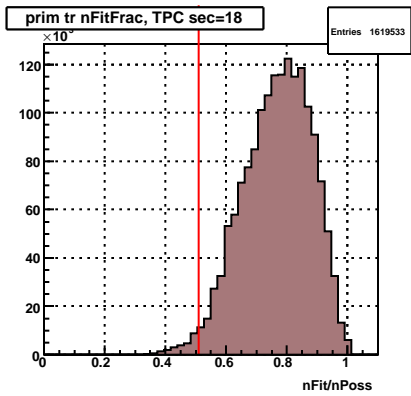
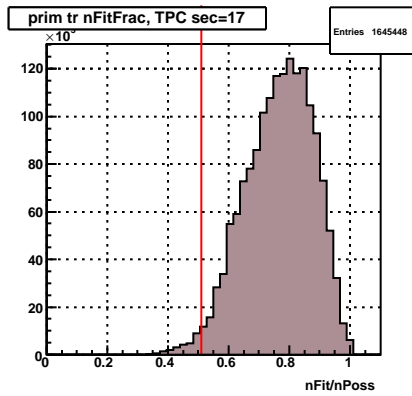
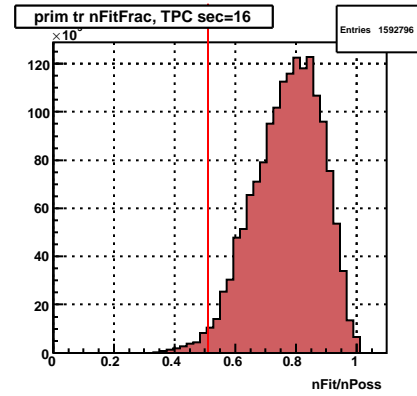
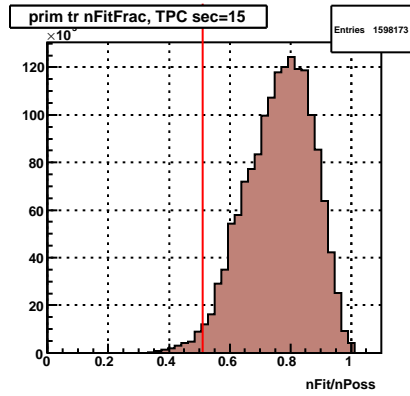
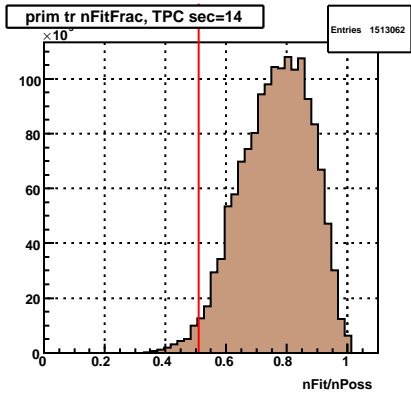
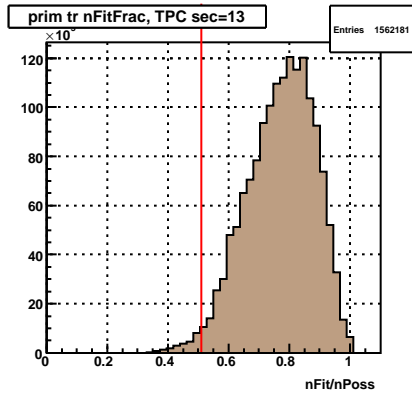
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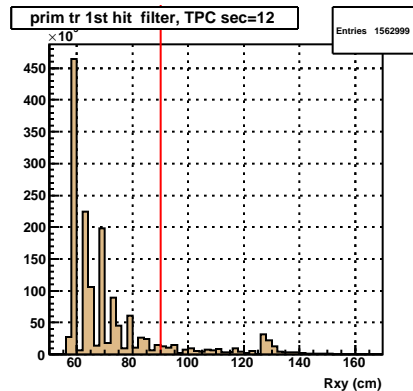
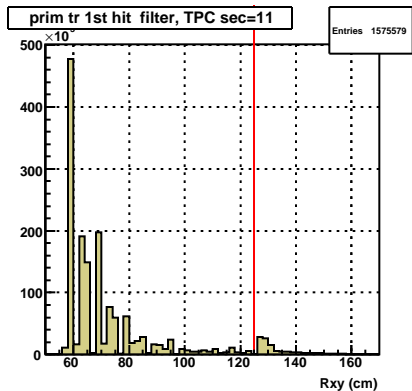
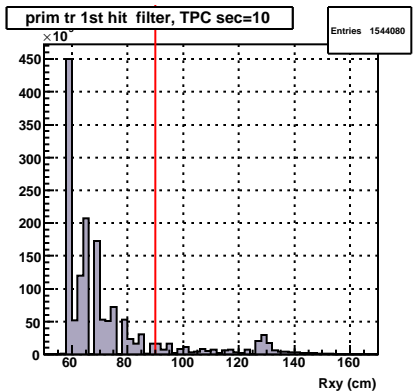
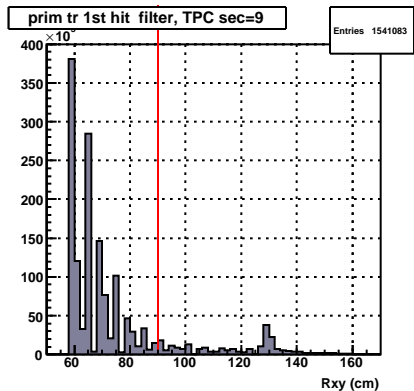
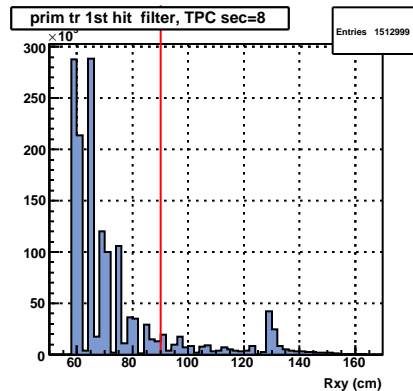
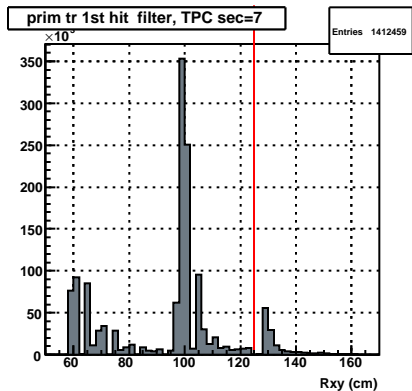
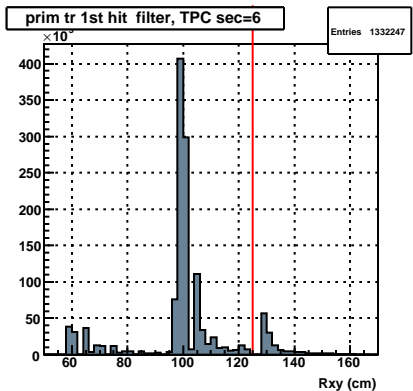
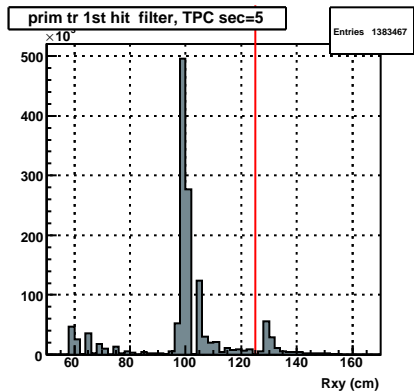
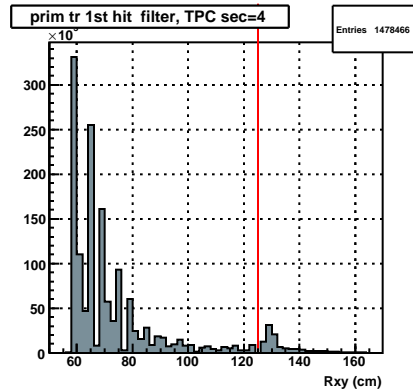
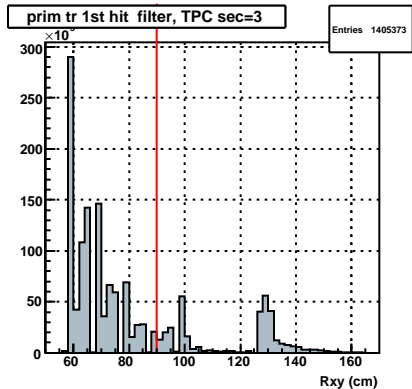
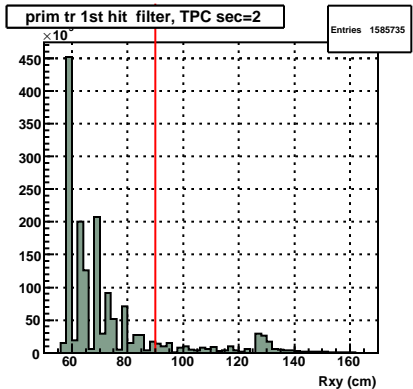
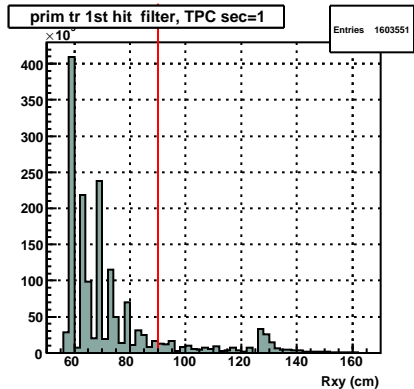
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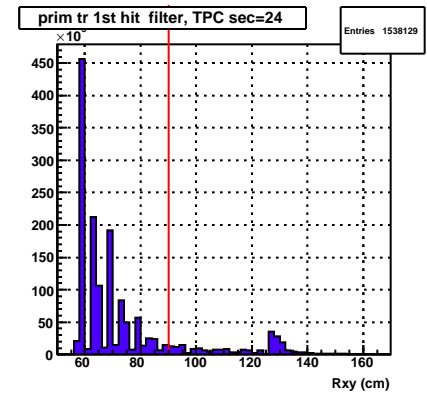
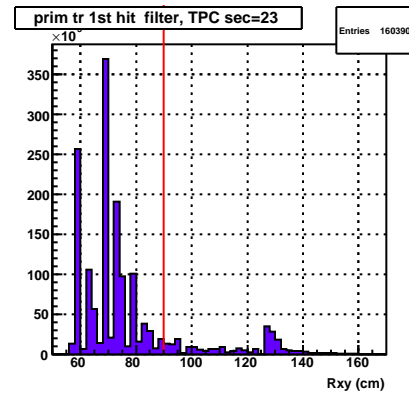
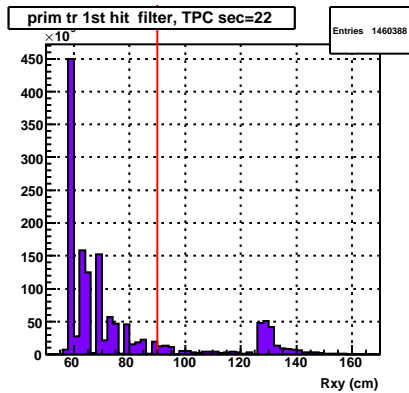
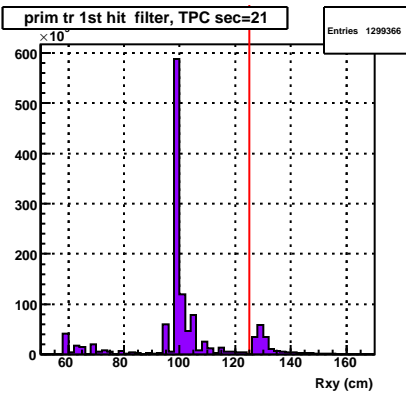
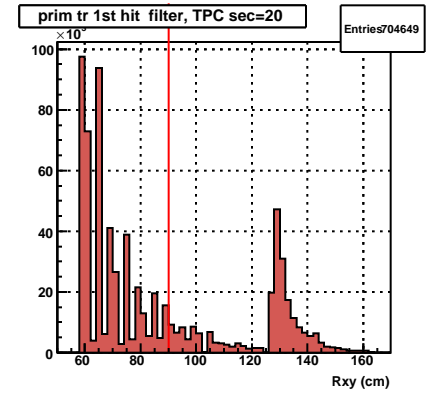
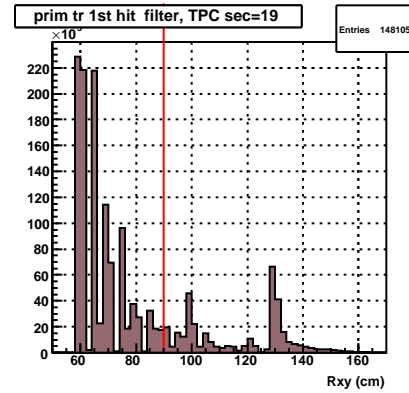
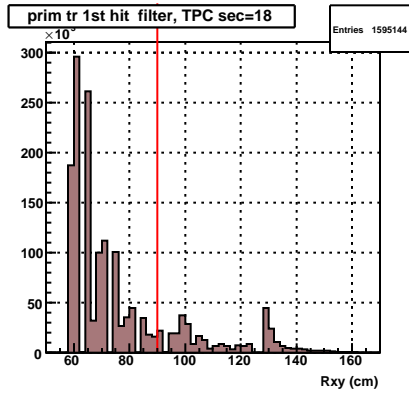
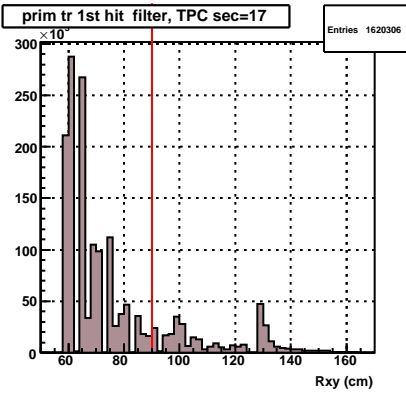
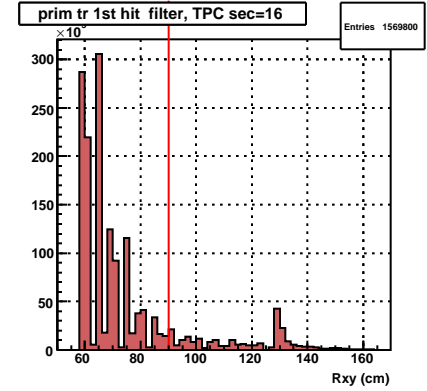
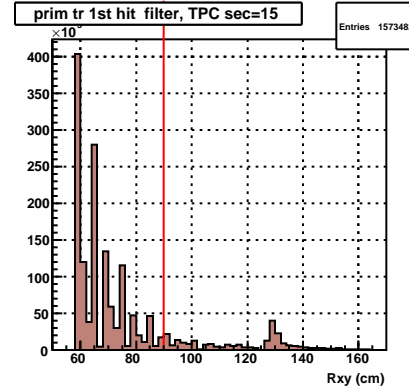
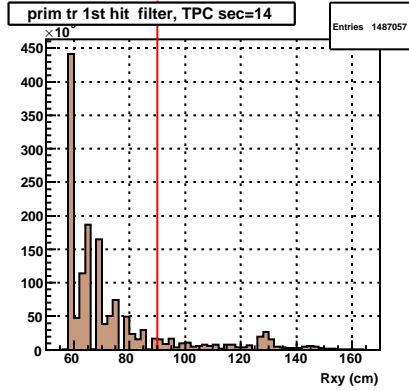
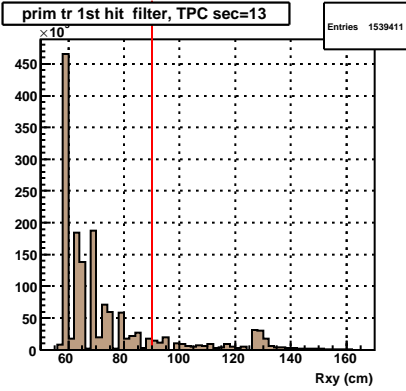
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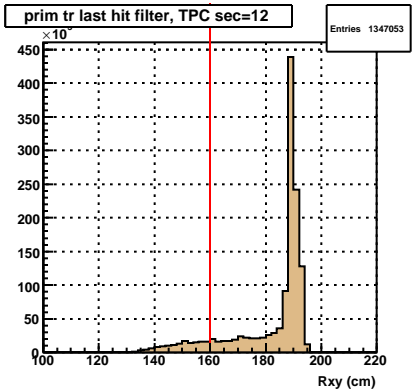
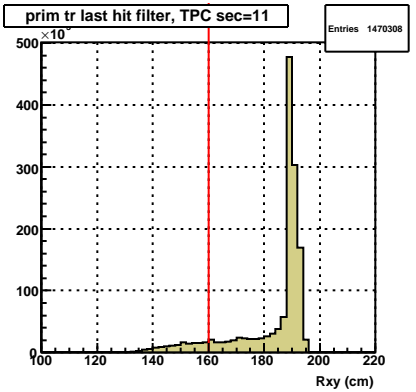
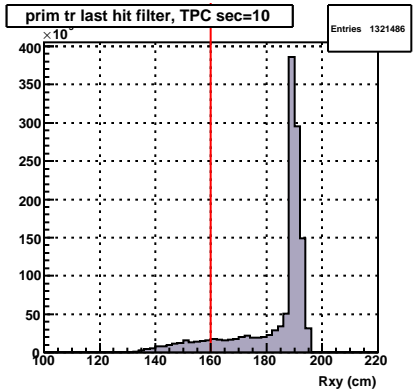
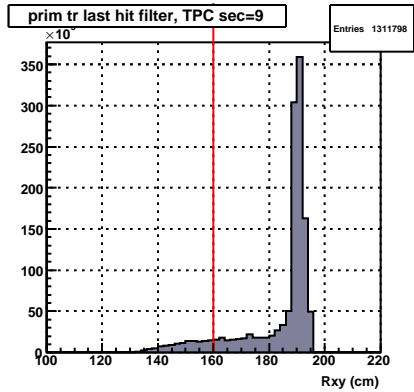
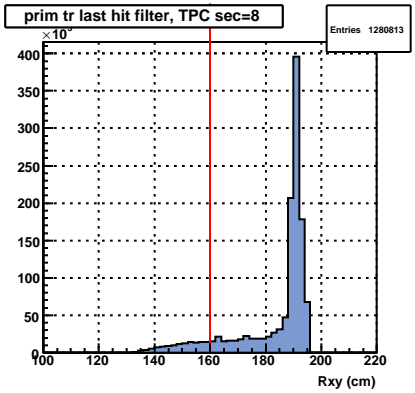
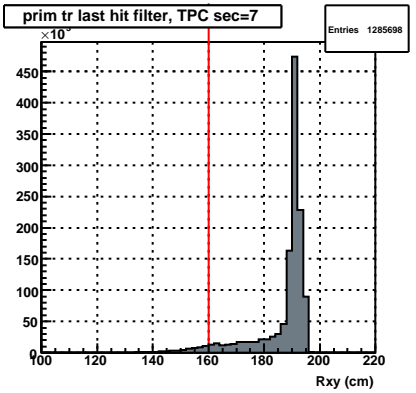
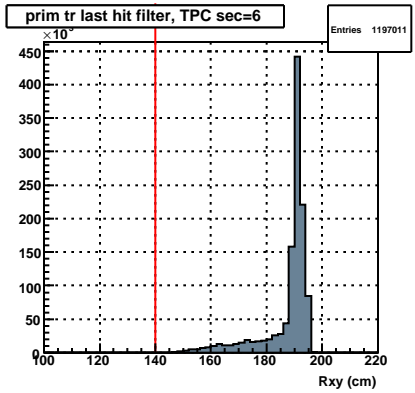
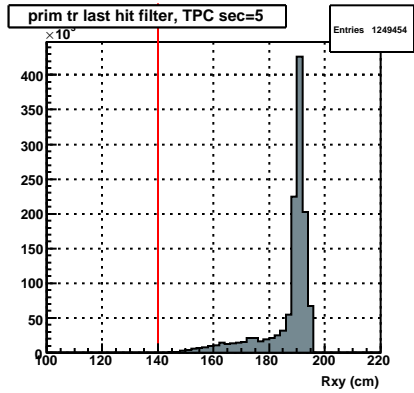
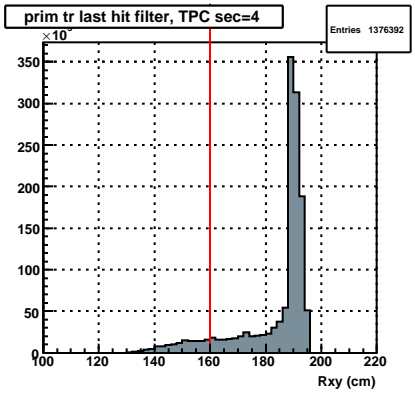
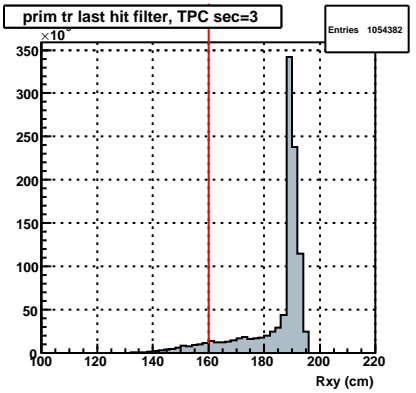
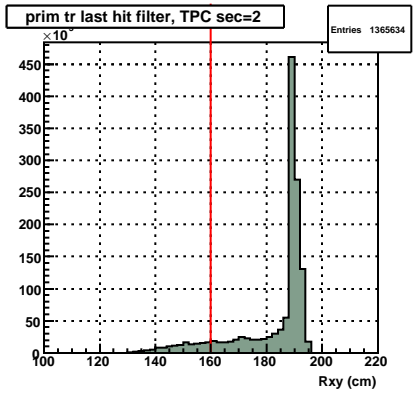
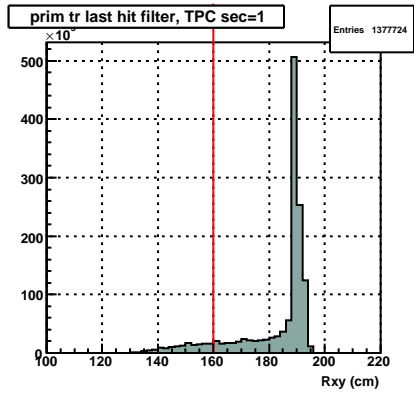
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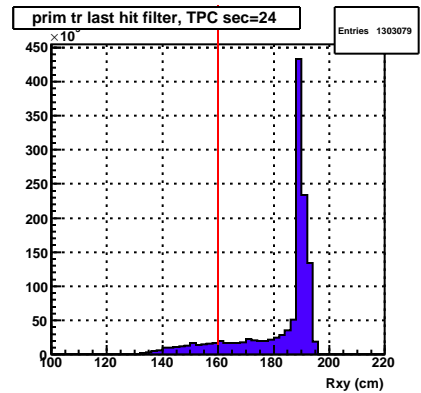
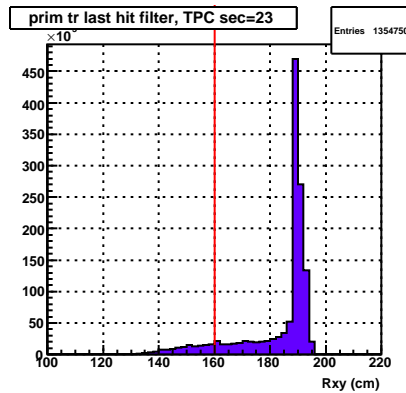
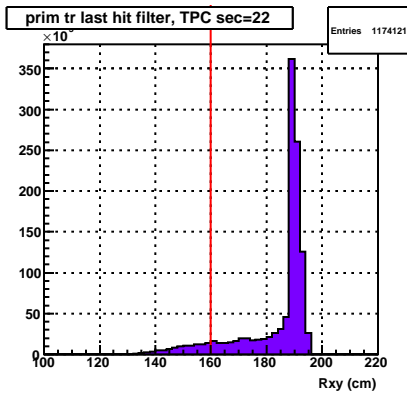
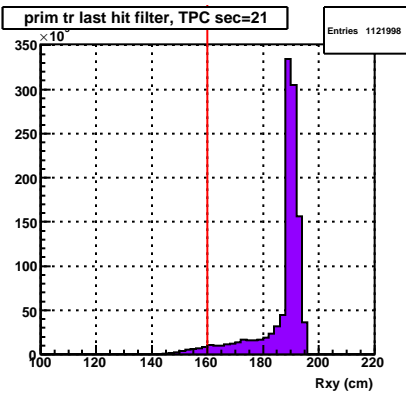
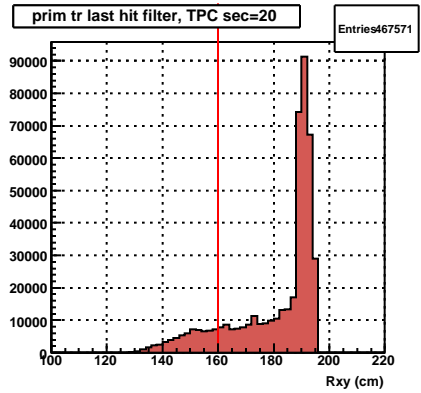
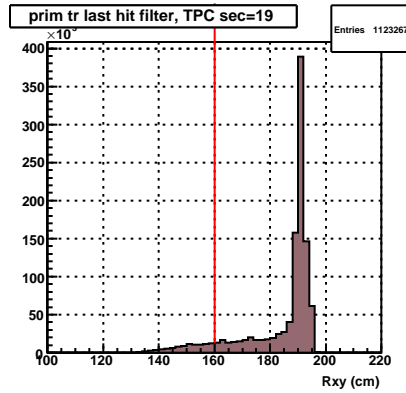
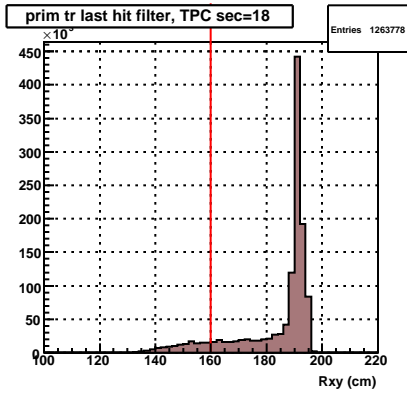
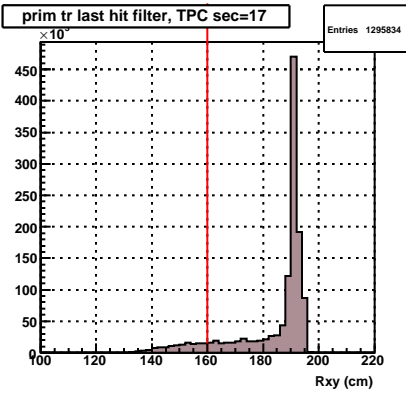
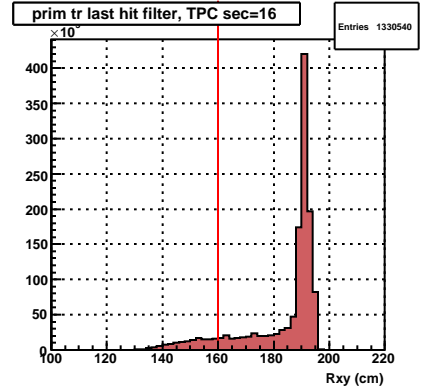
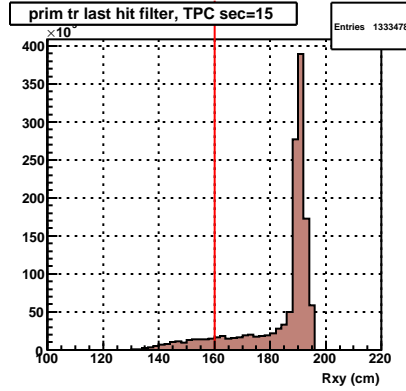
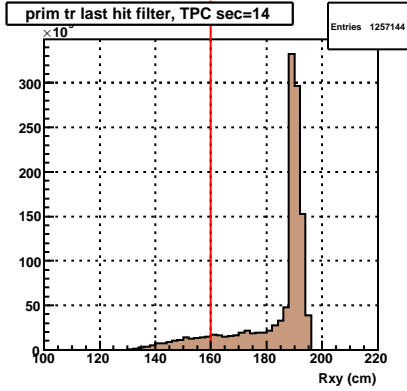
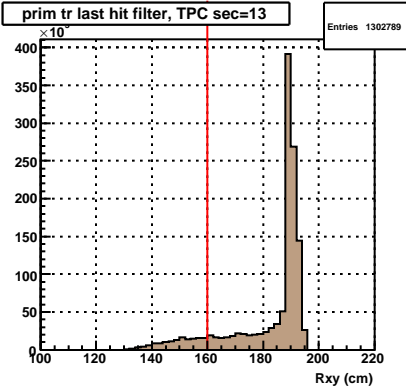






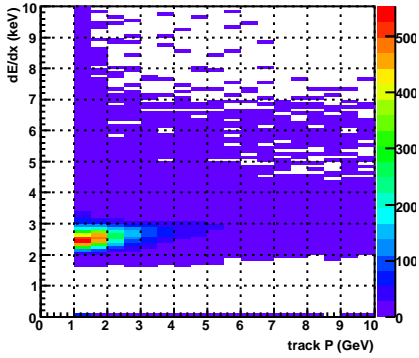
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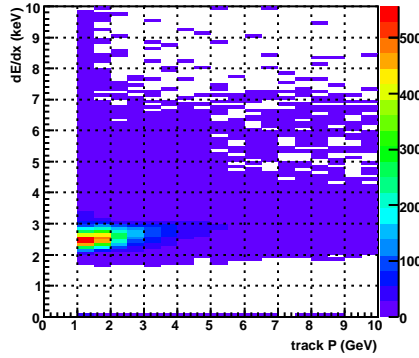
dEdX vs. P, accepted, TPC sec=1

Entries 1237330



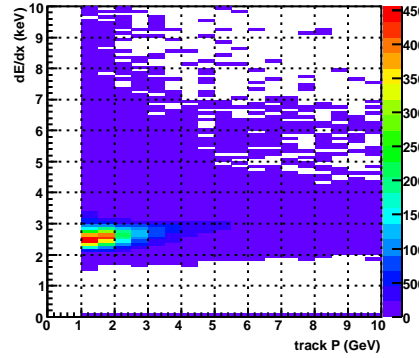
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Entries 1225141



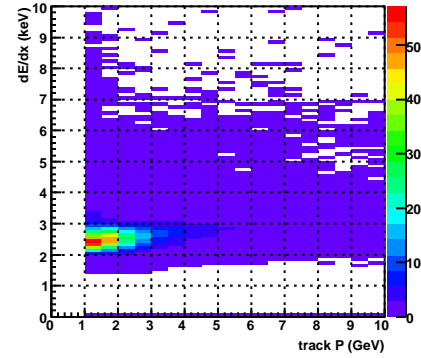
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Entries 986516



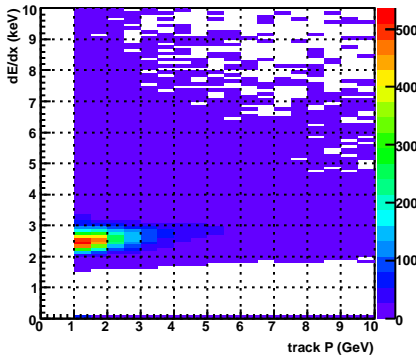
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Entries 1243874



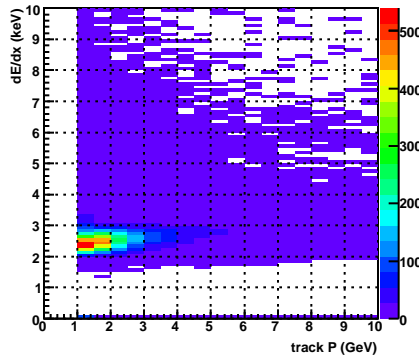
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Entries 1249166



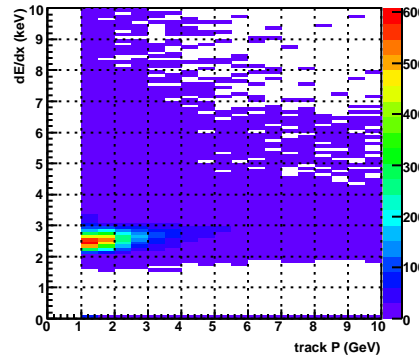
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Entries 1196559



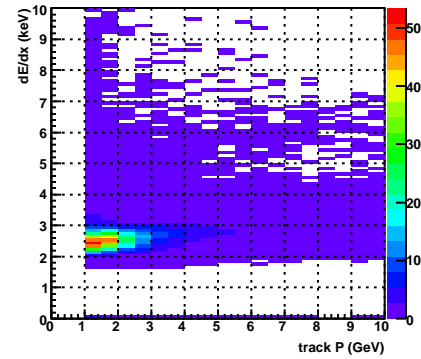
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Entries 1232043



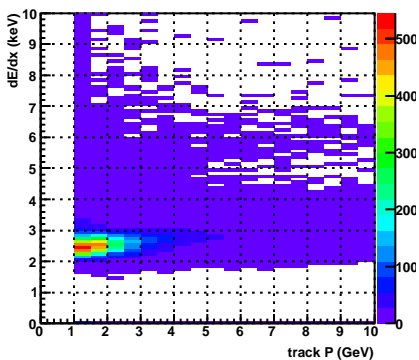
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Entries 1154914



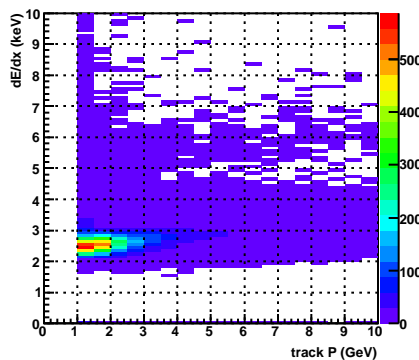
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Entries 1180670



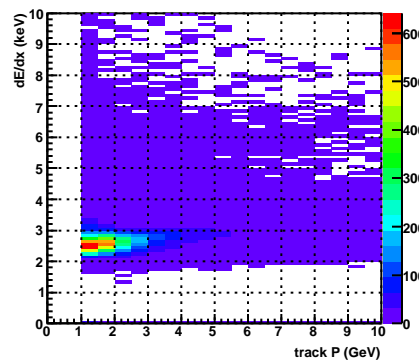
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Entries 1183870



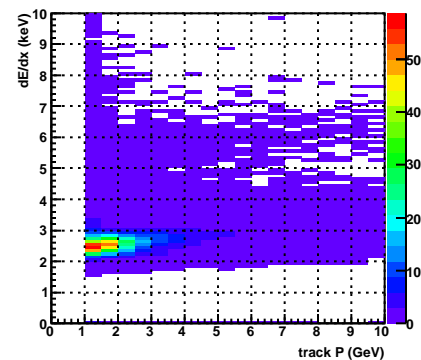
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Entries 1327531



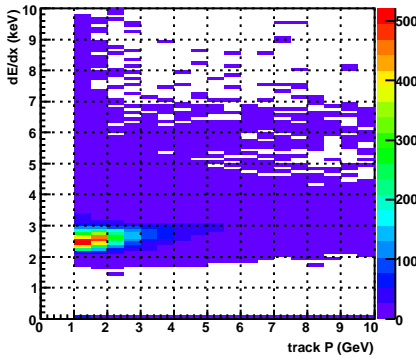
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Entries 1202215



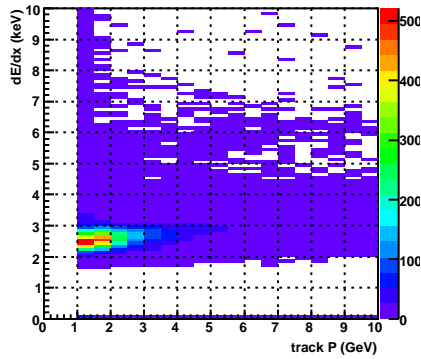
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Entries 1157662



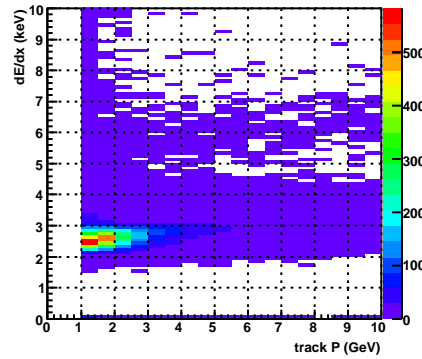
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Entries 1129014



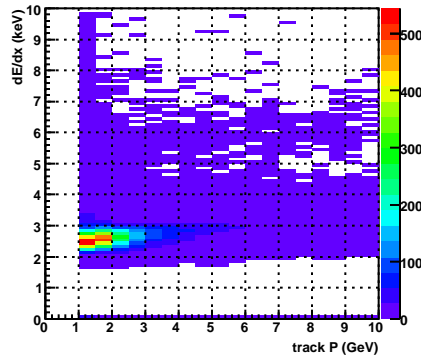
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Entries 1206111



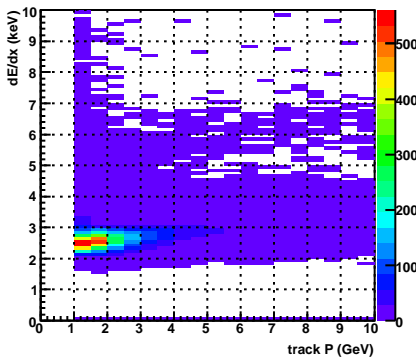
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Entries 1191020



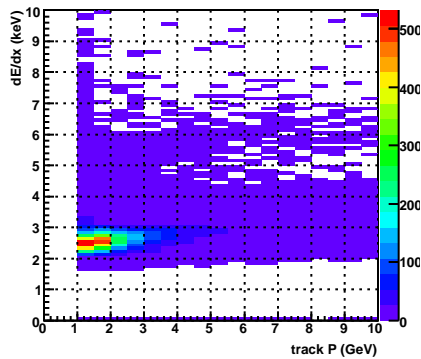
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Entries 1167921



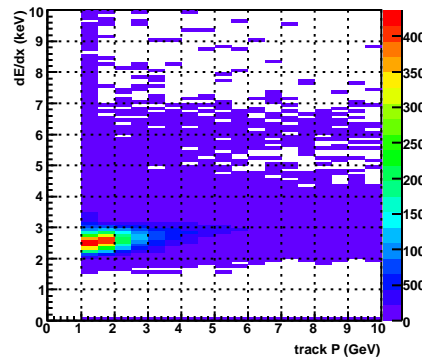
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Entries 1134032



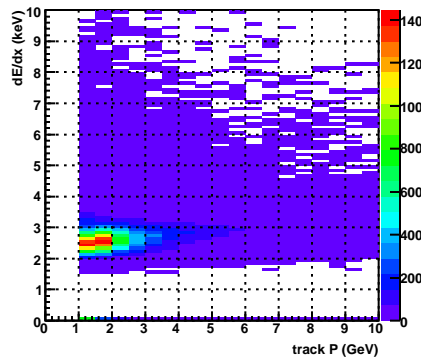
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Entries 1026097



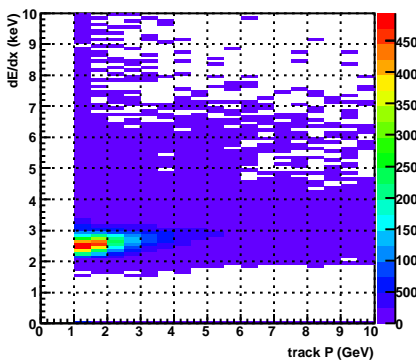
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Entries 402338



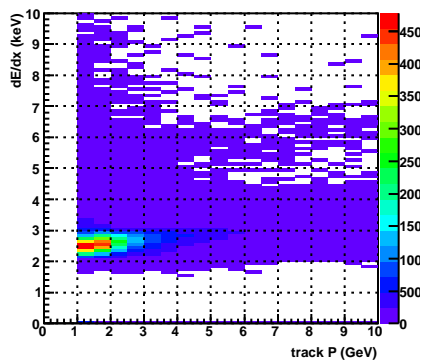
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Entries 1085002



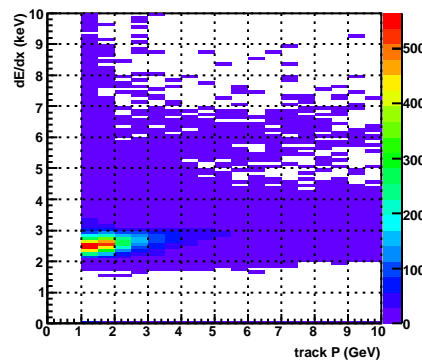
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Entries 1069813



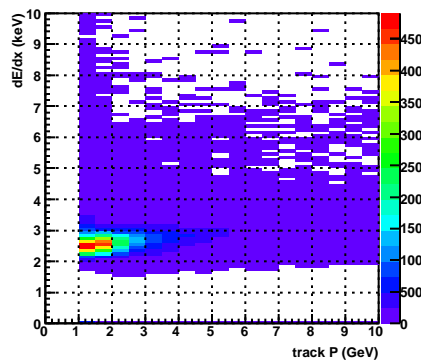
dEdX vs. P, acctpd , TPC sec=23

Entries 1225461



dEdX vs. P, acctpd , TPC sec=24

Entries 1152229



Barrel: lastHit on track

Entries 2.696429e+07

lastHit, accepted, TPC sec=1

Entries 1237330

