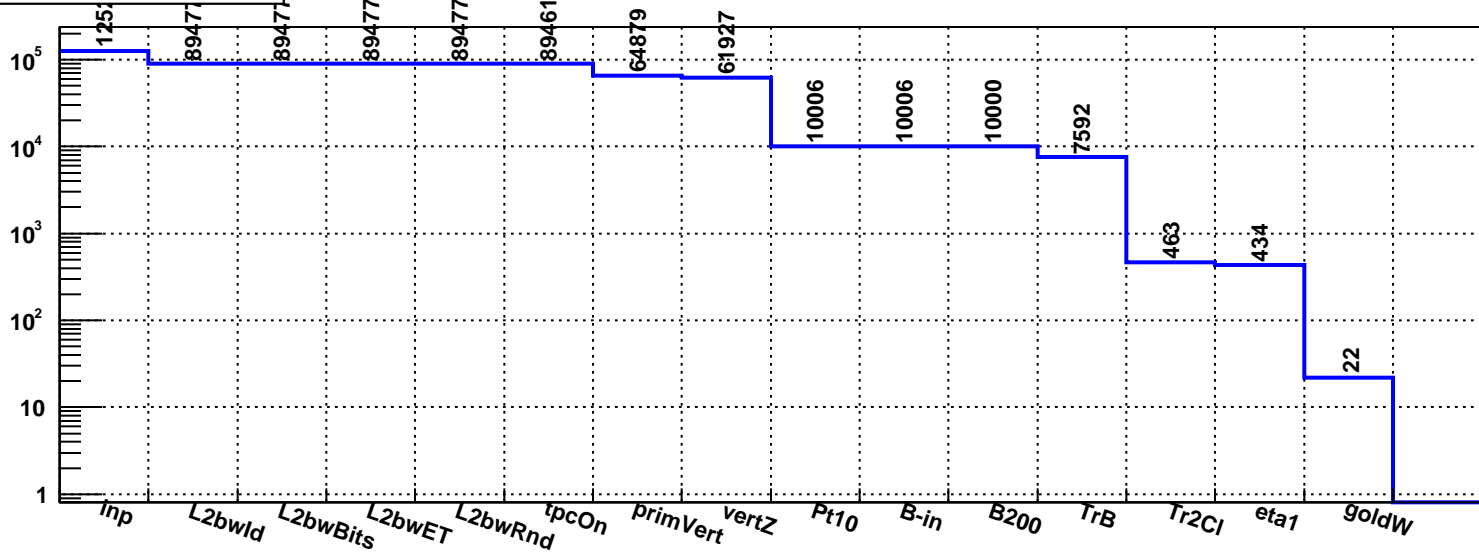
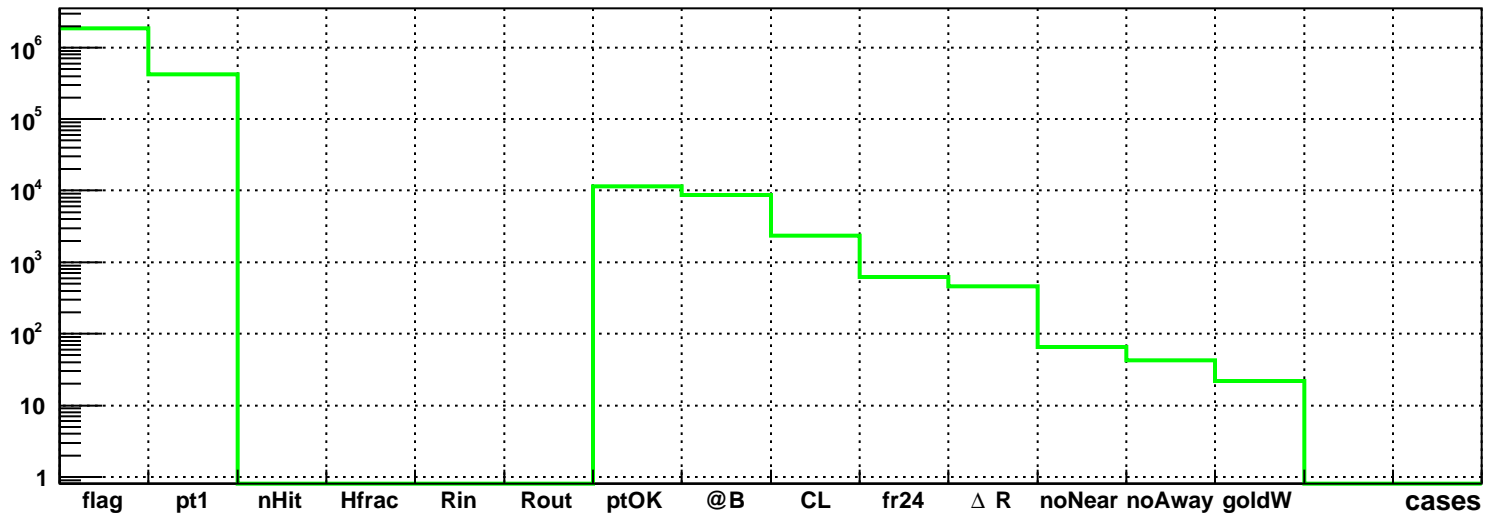


Barrel W-algo: event count

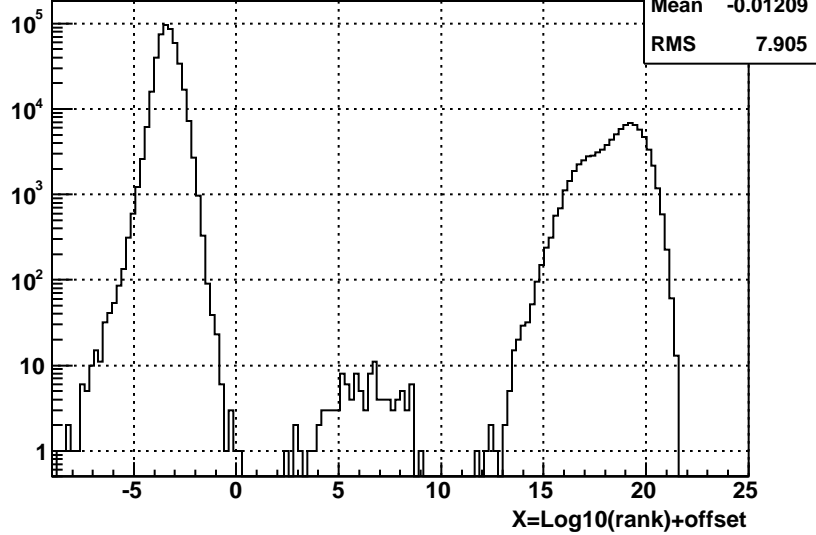


Barrel W-algo: track count

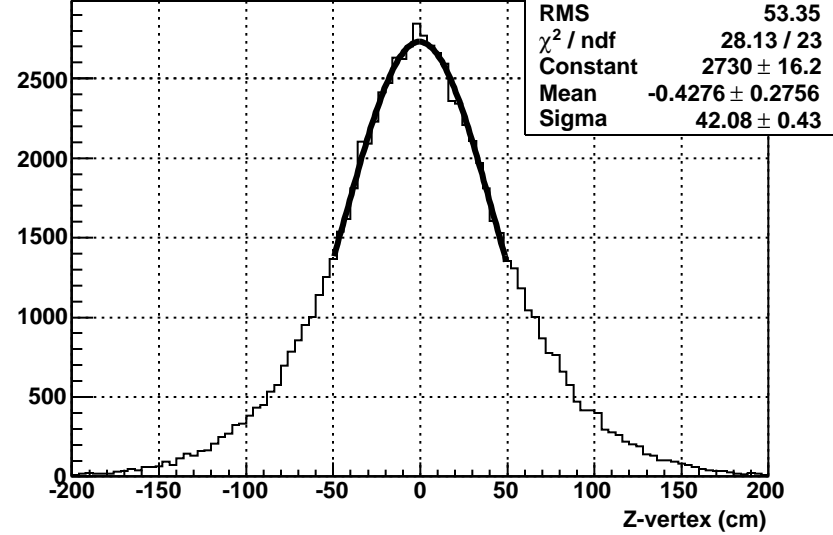


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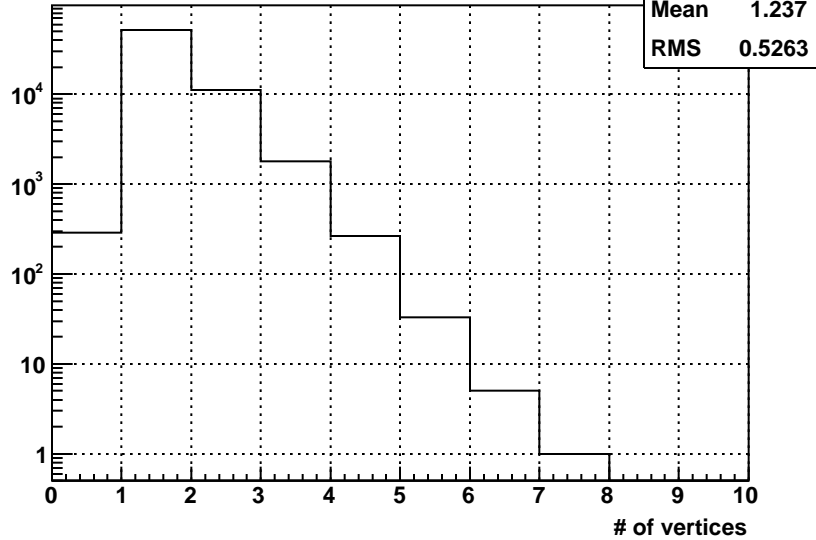
PPV Vertex rank, funny X-axis



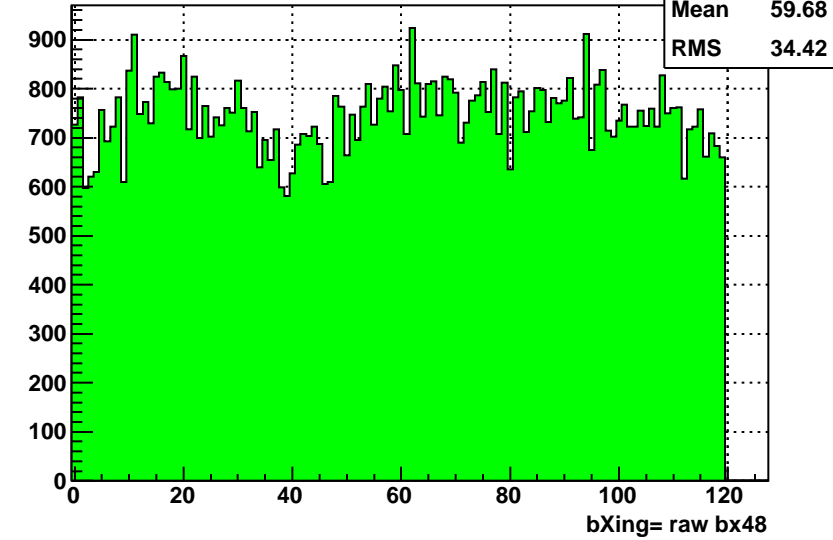
Z of any vertex w/ rank>0



vertices per event, rank>0 & Z in range

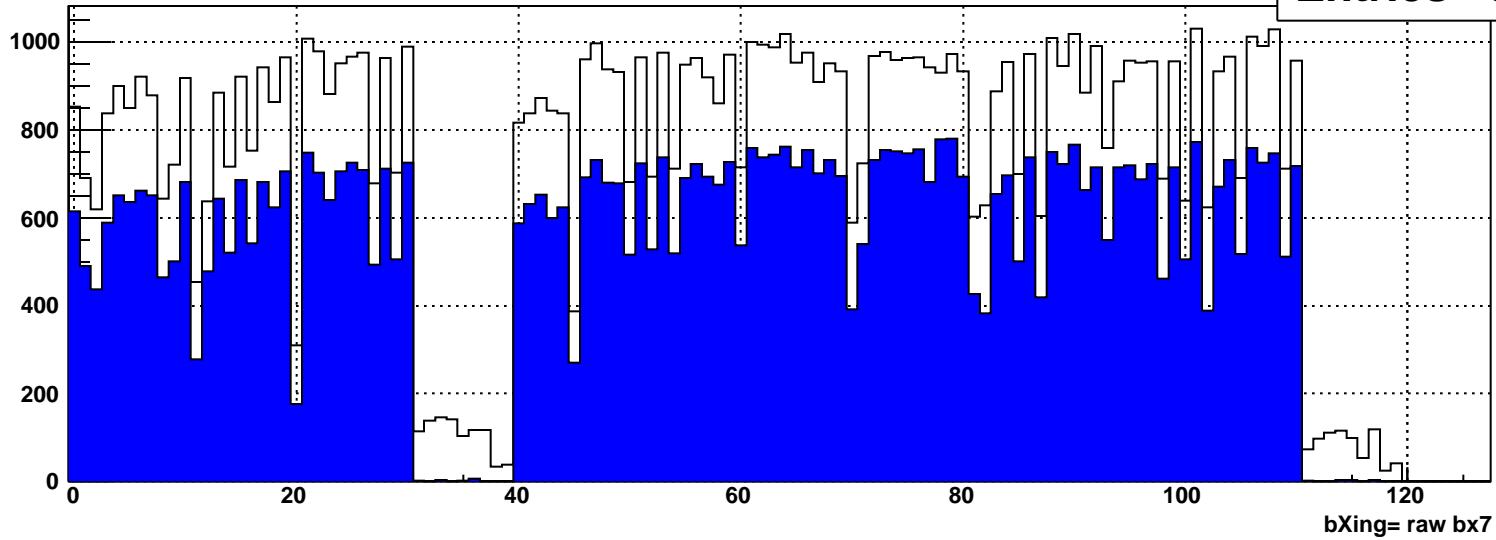


L2W-ET events vs. bXing



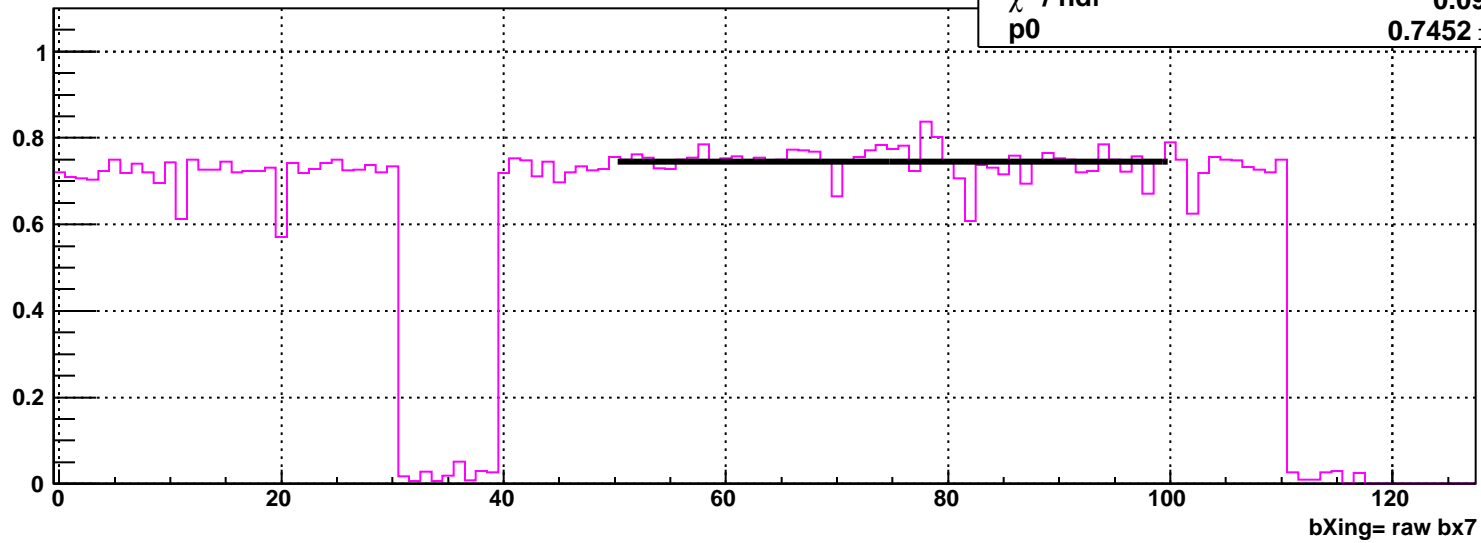
L2W-ET events vs. bXing

Entries 89477

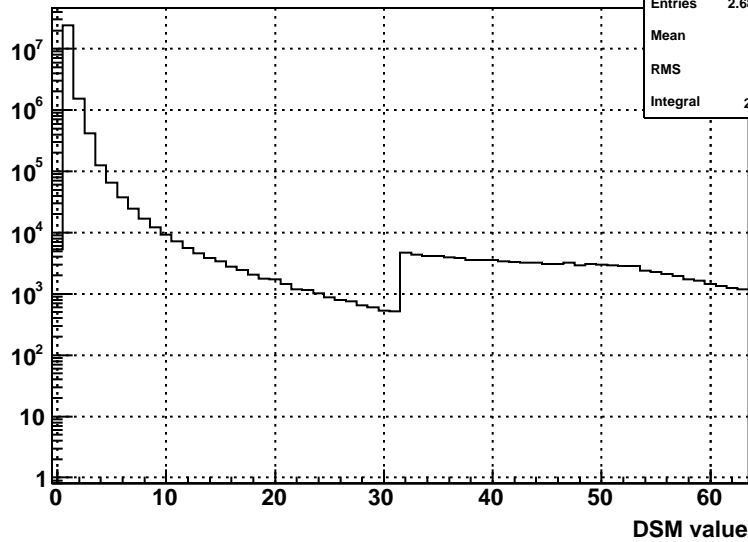


Vertex effi vs. bXing

Entries 64879
 χ^2 / ndf 0.09152 / 50
p0 0.7452 ± 0.1209

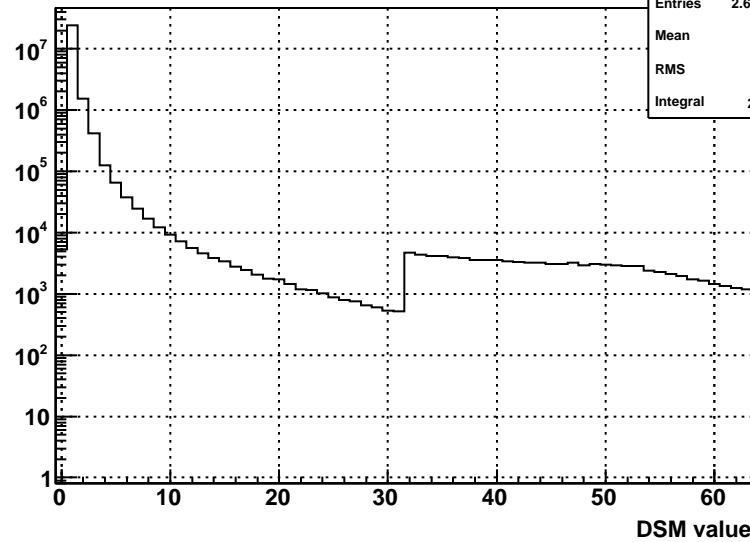


L2W-ET events DMS spectrum



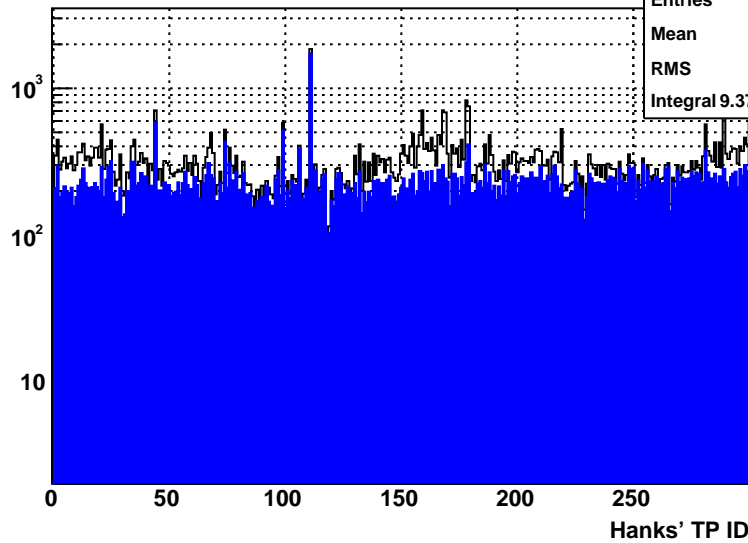
muDsm1	
Entries	2.68431e+07
Mean	1.313
RMS	2.752
Integral	2.684e+07

L2W-Rnd events DMS spectrum



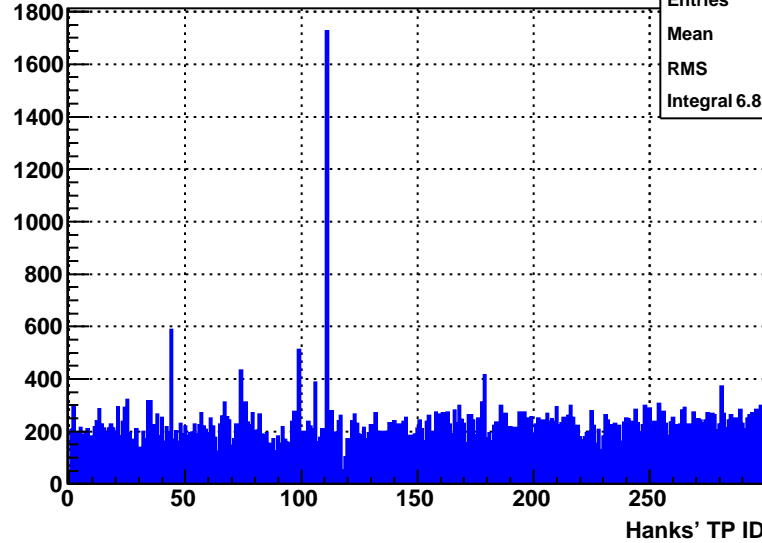
muDsm2	
Entries	2.68431e+07
Mean	1.313
RMS	2.752
Integral	2.684e+07

L2W-ET events w/ DMS>31 vs.BTOW TP ID bXing



muDsm3	
Entries	93766
Mean	150.9
RMS	86.89
Integral	9.377e+04

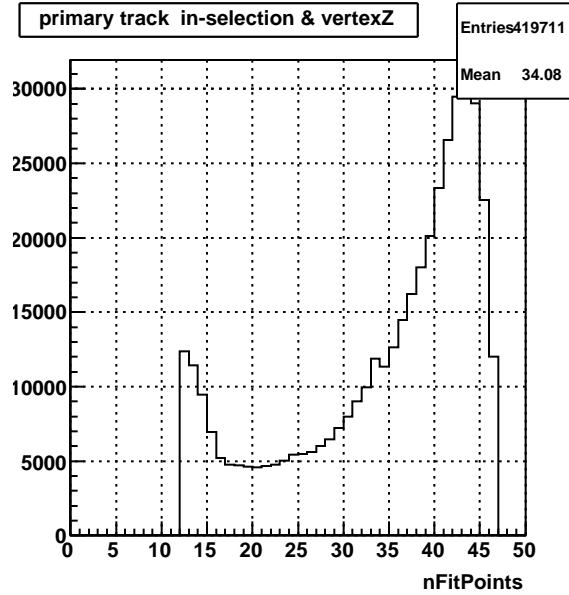
L2W-ET events w/ DMS>31 & primVertex vs.BTOW TP ID bXing



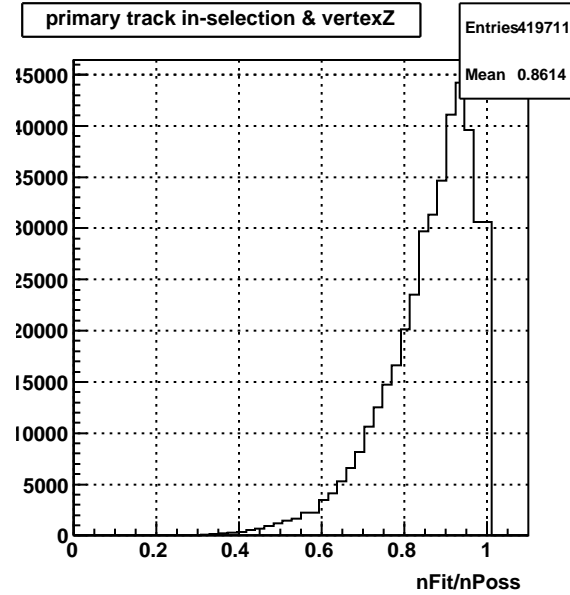
muDsm4	
Entries	68331
Mean	152.5
RMS	86.53
Integral	6.833e+04

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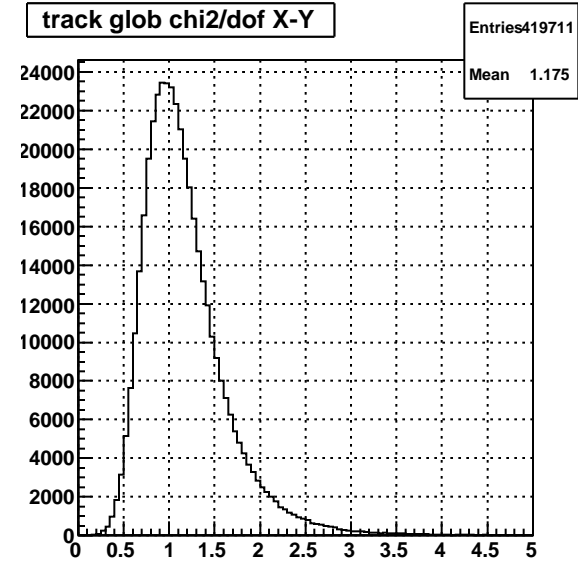
primary track in-selection & vertexZ



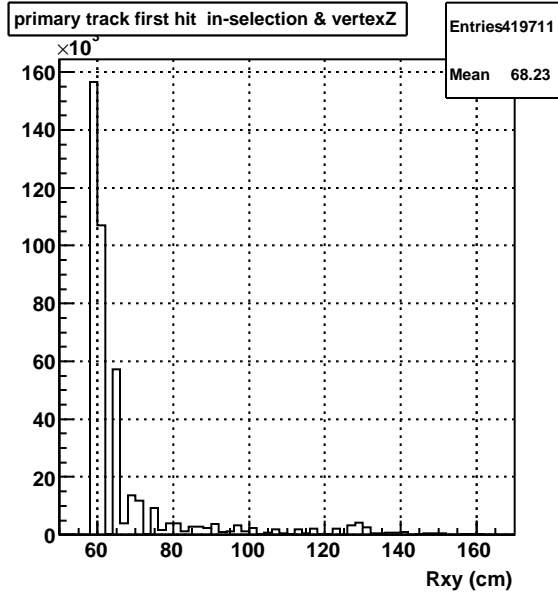
primary track in-selection & vertexZ



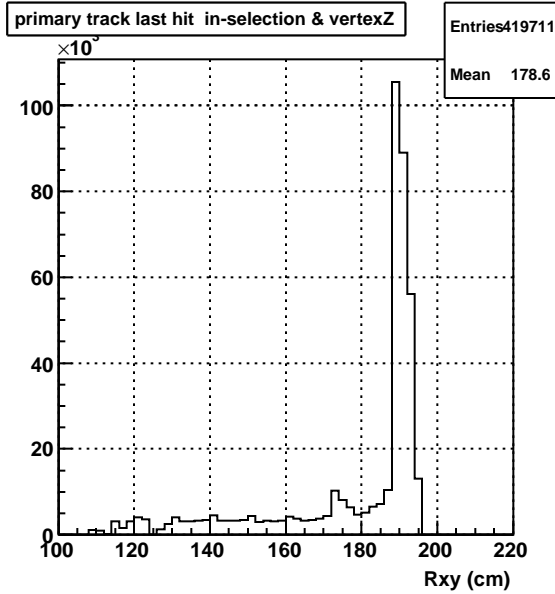
track glob chi2/dof X-Y



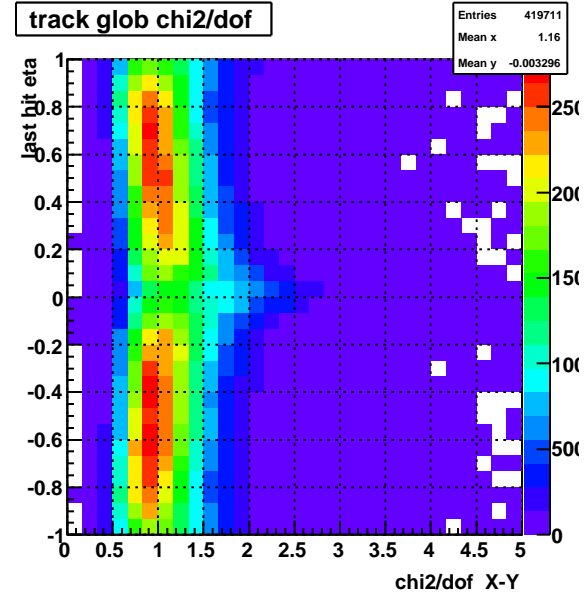
primary track first hit in-selection & vertexZ



primary track last hit in-selection & vertexZ



track glob chi2/dof



lastHit on track

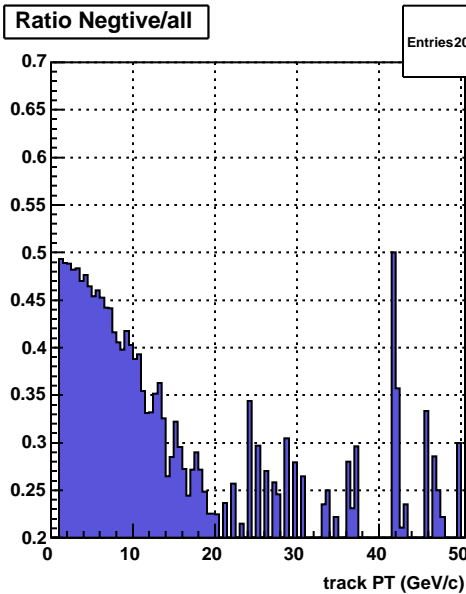
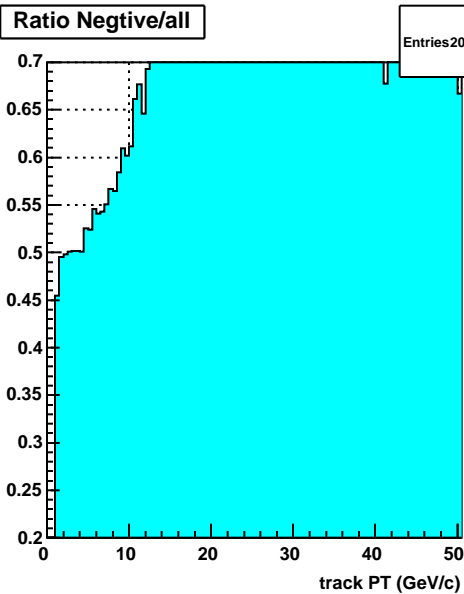
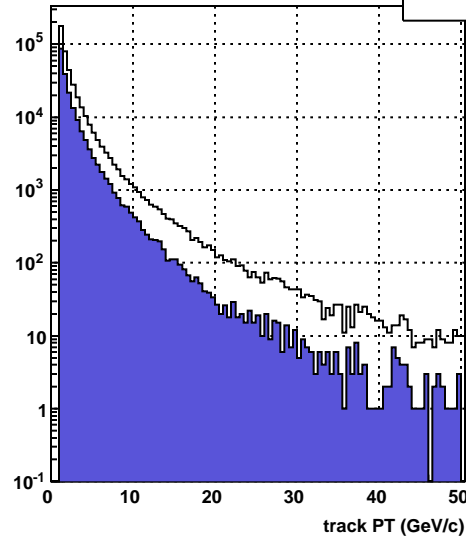
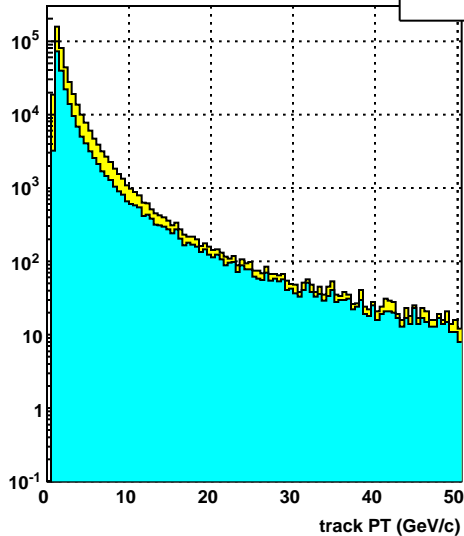
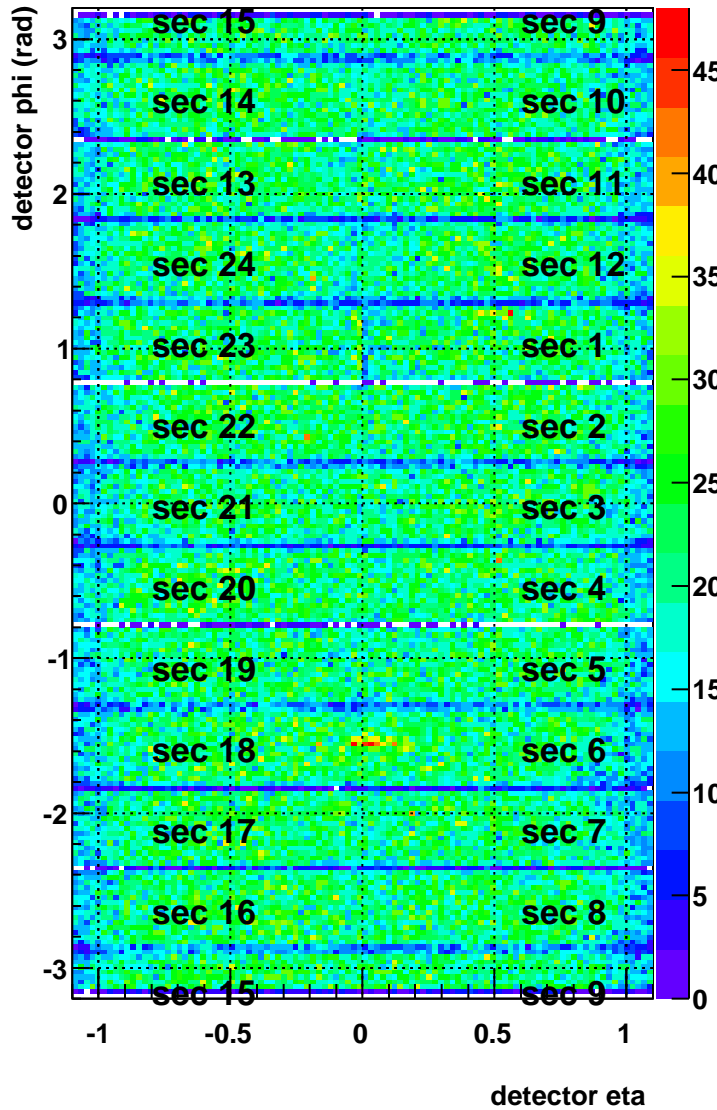
Entries 419711

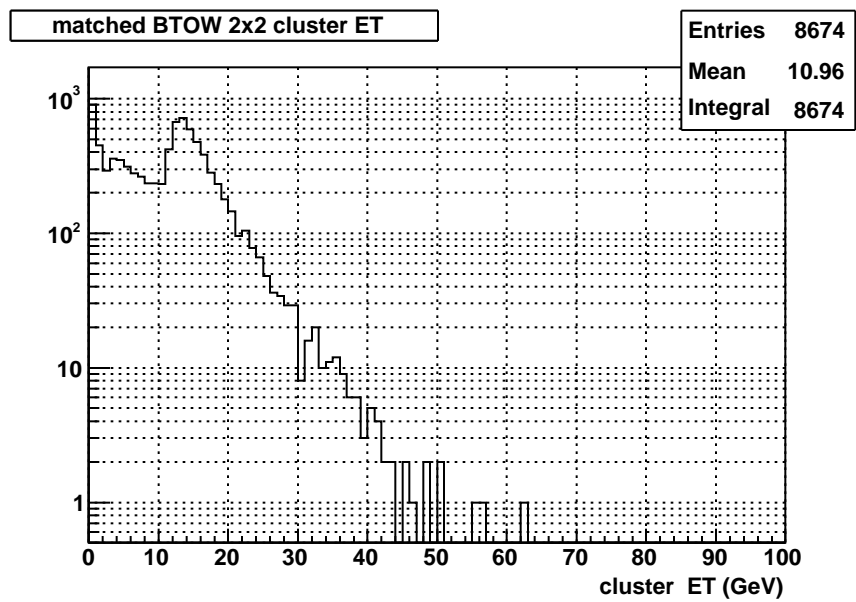
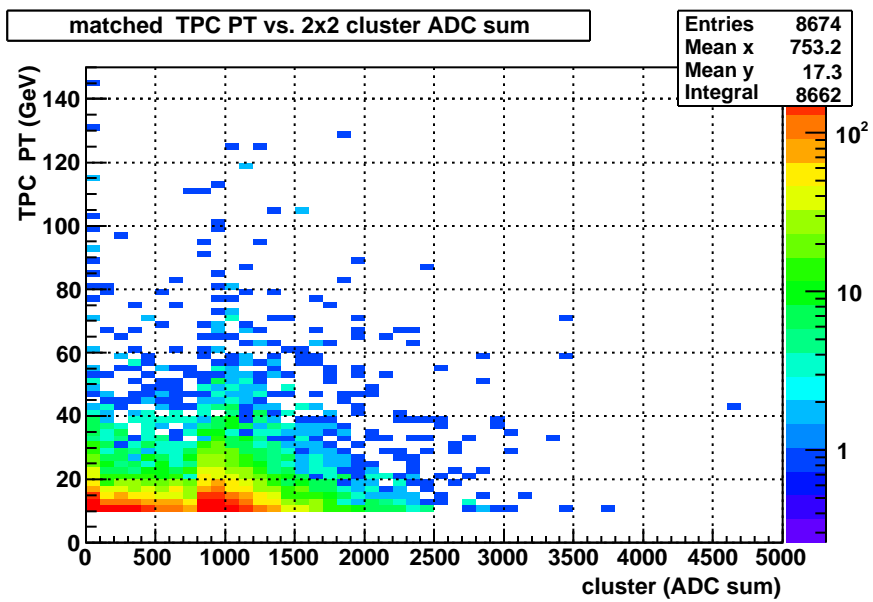
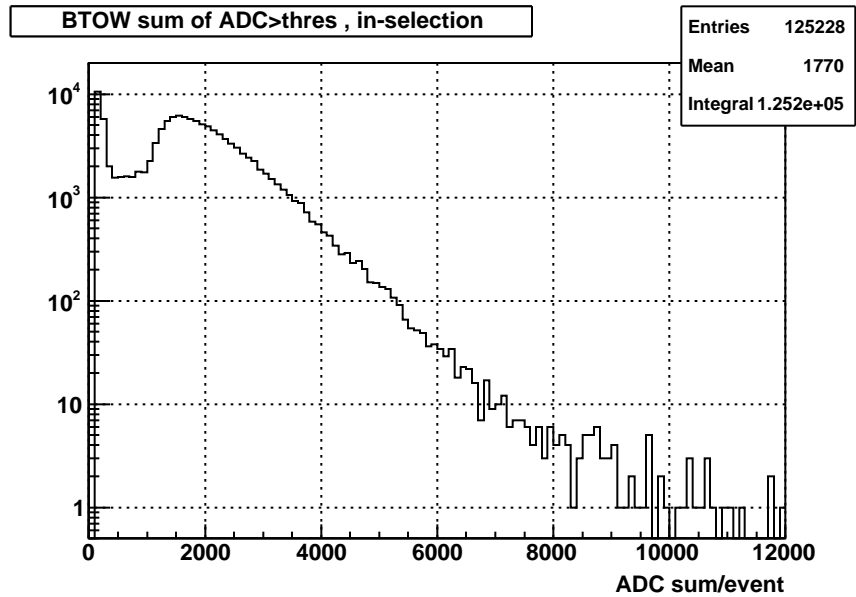
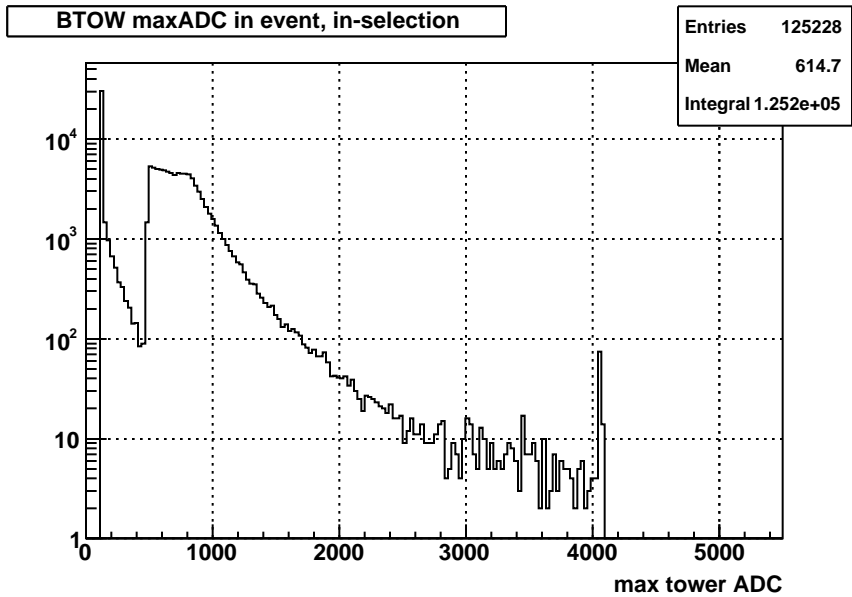
global track PT

Entries 419711

primary track PT

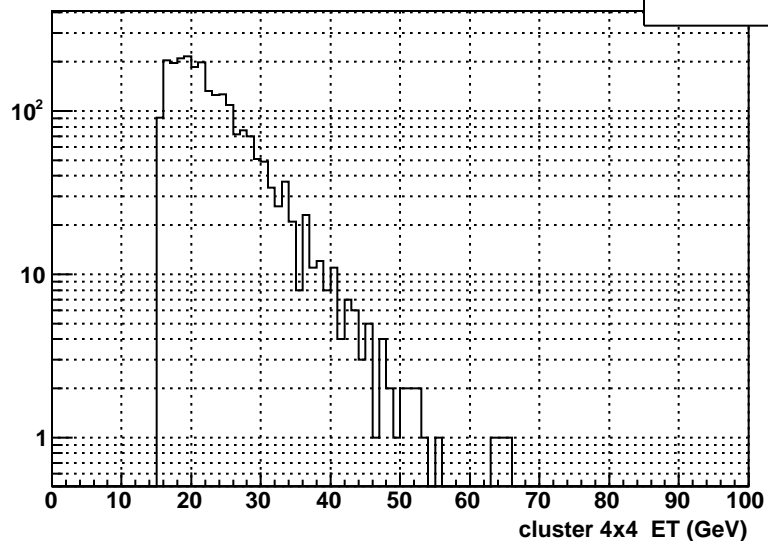
Entries 419711





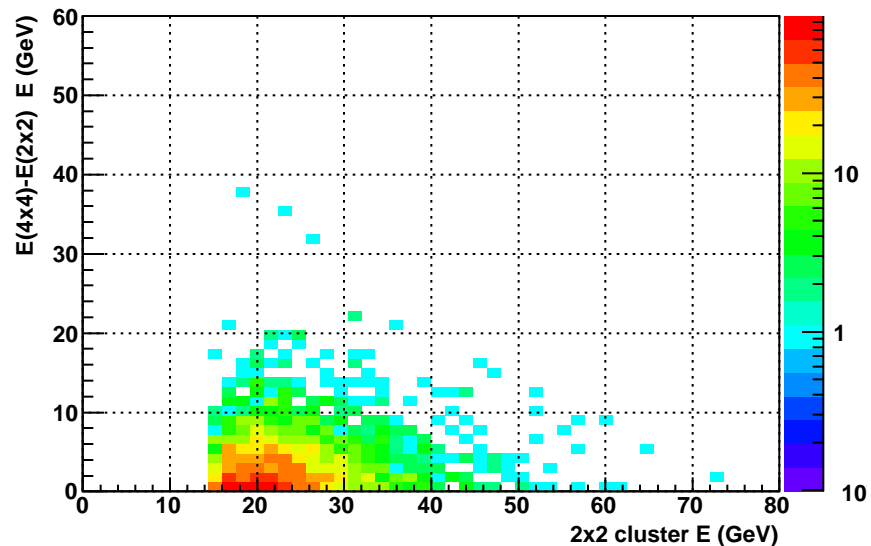
matched BTOW 4x4 cluster ET

Entries 2347



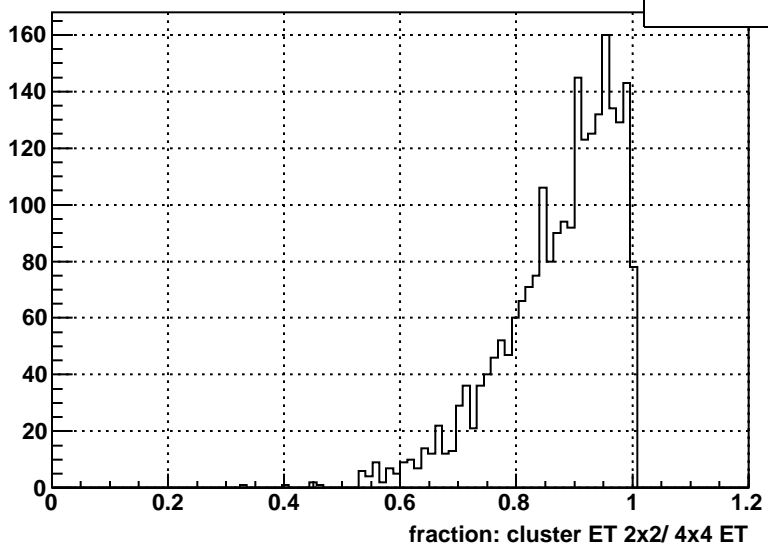
Excess energy in 4x4 cluster vs. 2x2 E

Entries 2347



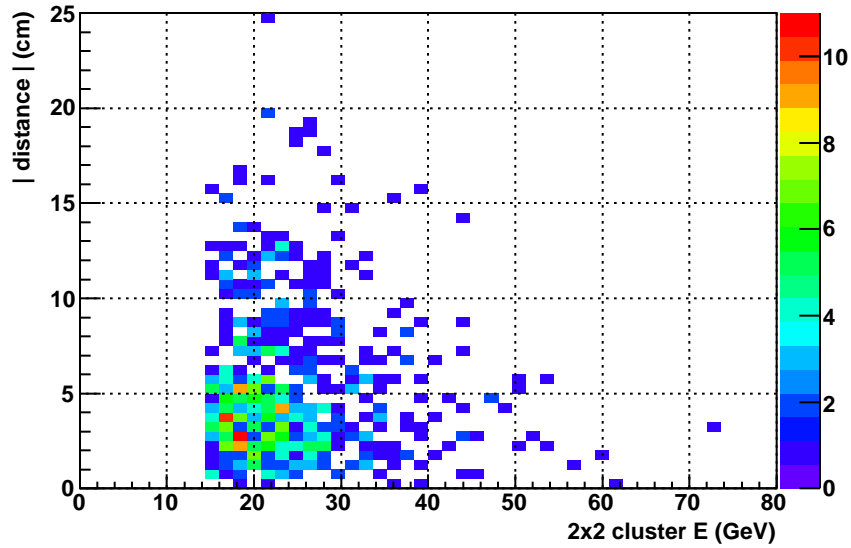
ratio (2x2/4x4) cluster ET

Entries 2347



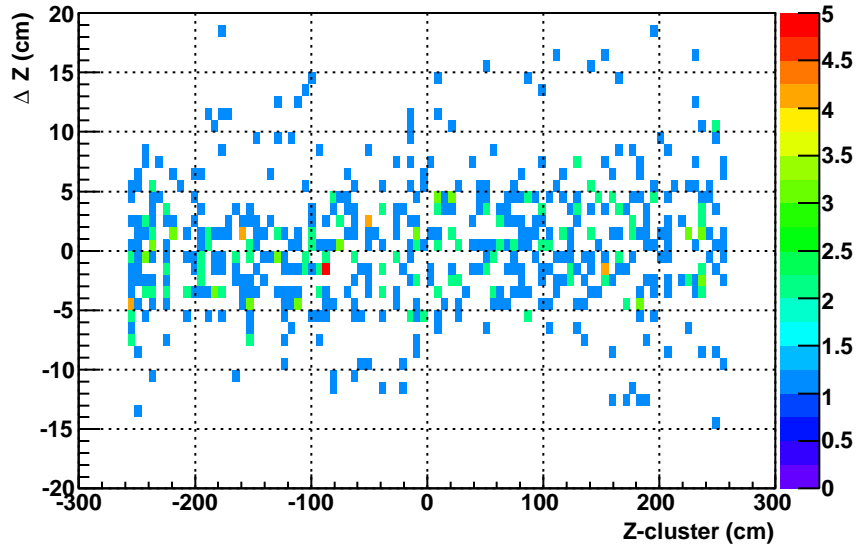
3D Distance(track-cluster) vs. 2x2 E

Entries 621



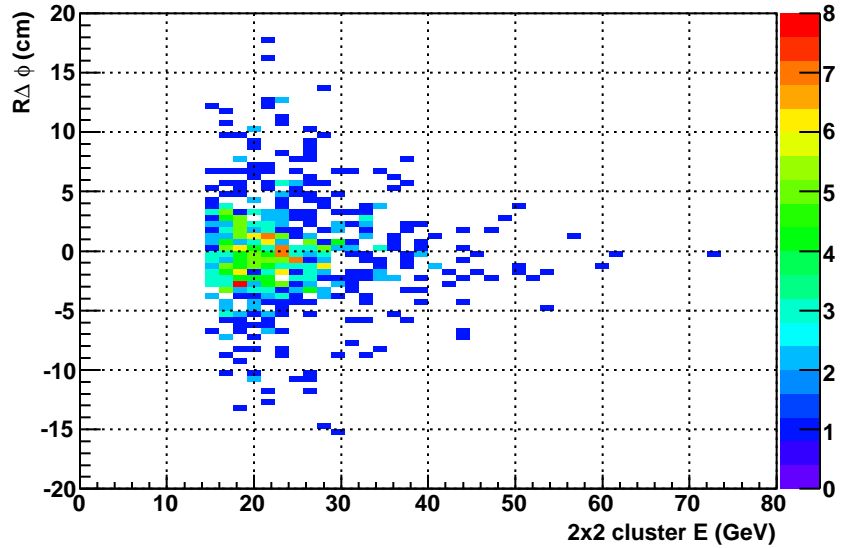
ΔZ (track-cluster) vs. Z-clust

Entries 621



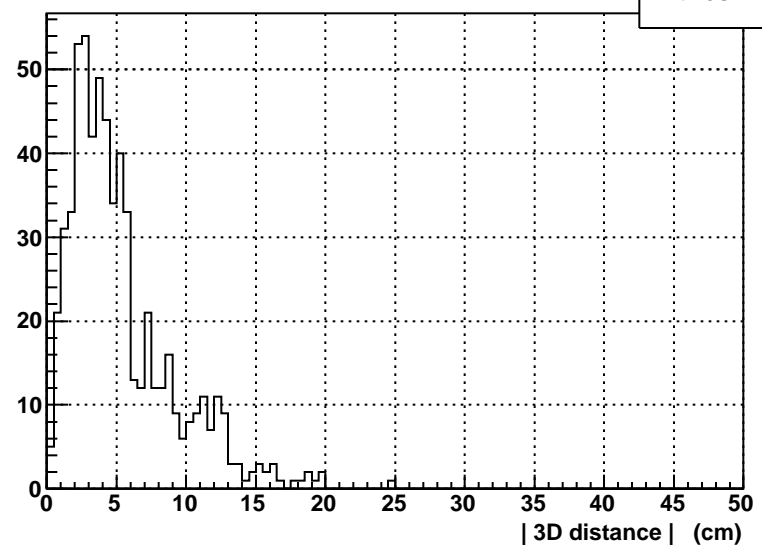
$R_{\Delta\phi}$ (track-cluster) vs. 2x2 E

Entries 621



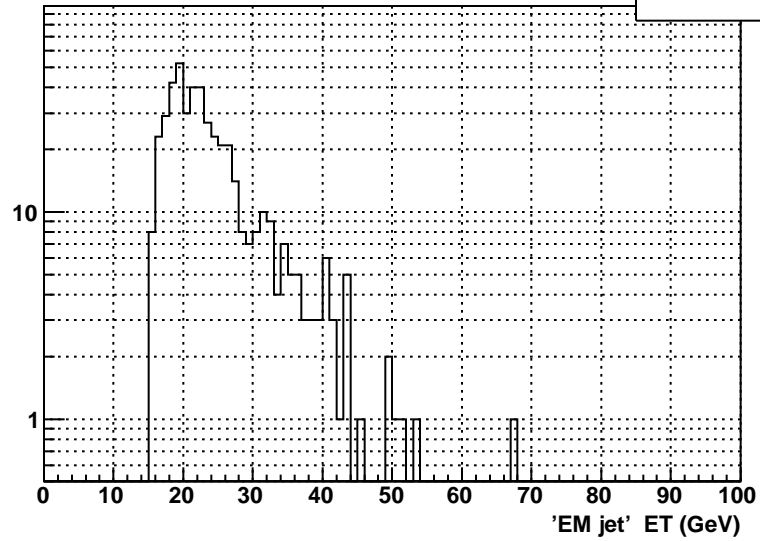
3D Distance(track-cluster) vs. 2x2 E

Entries 621



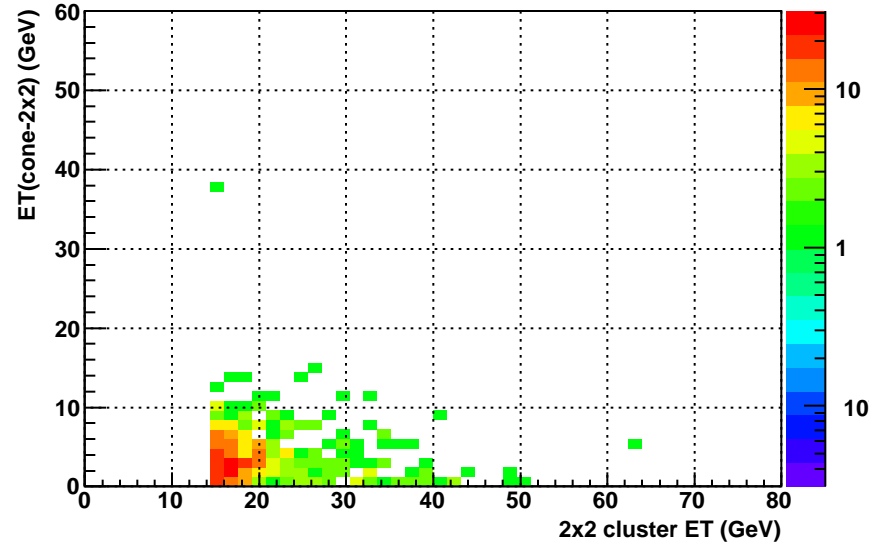
near 'EM jet' ET

Entries 464



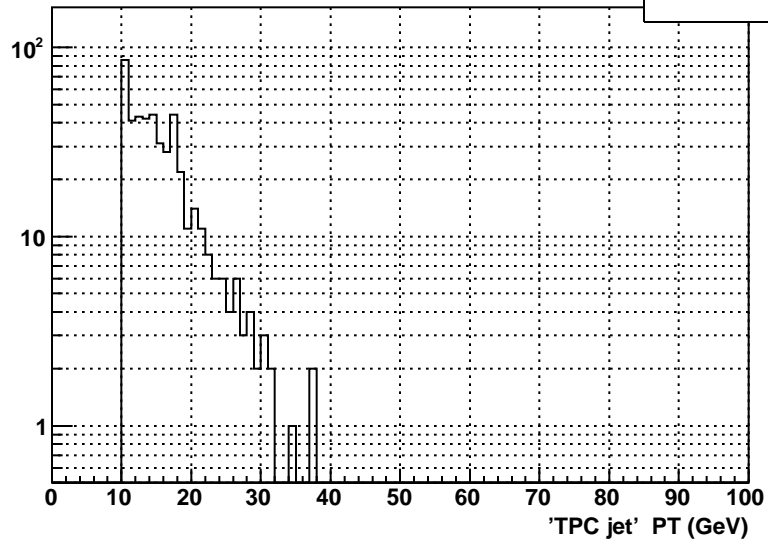
Excess nearCone ET vs. 2x2 E

Entries 464



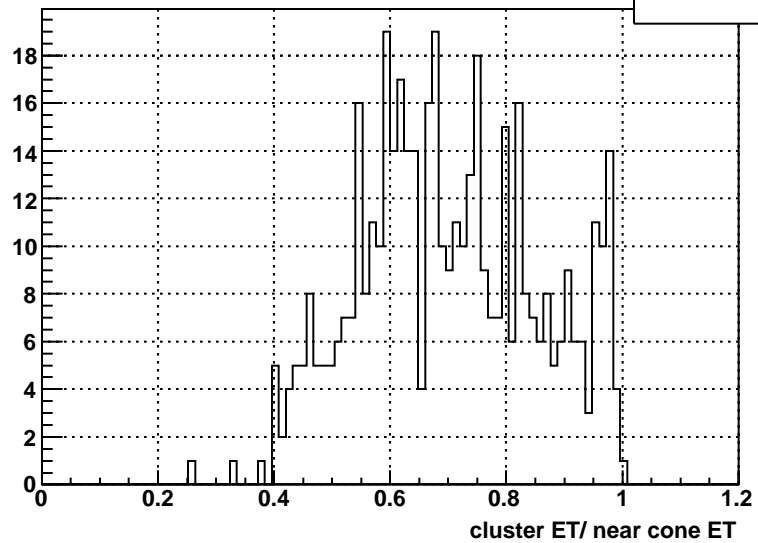
quenched near 'TPC jet' PT

Entries 464



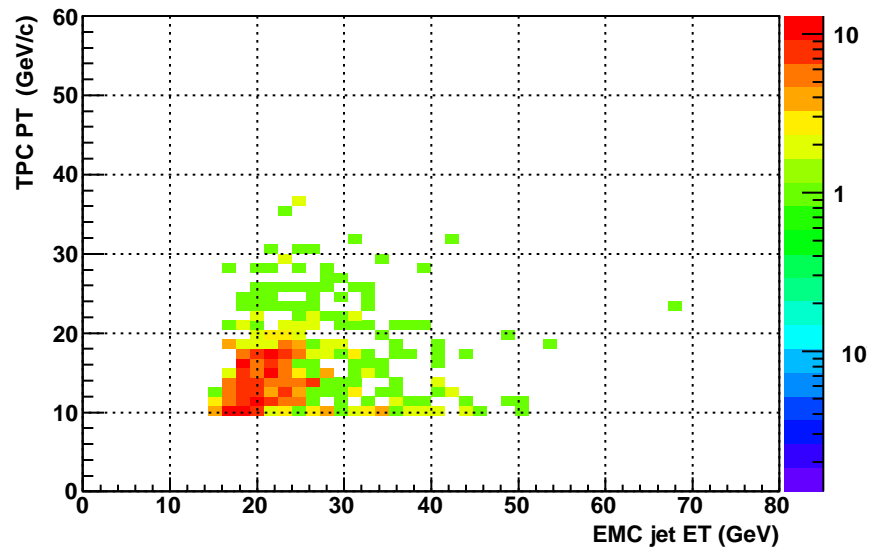
ratio (2x2/nearCone) ET

Entries 464



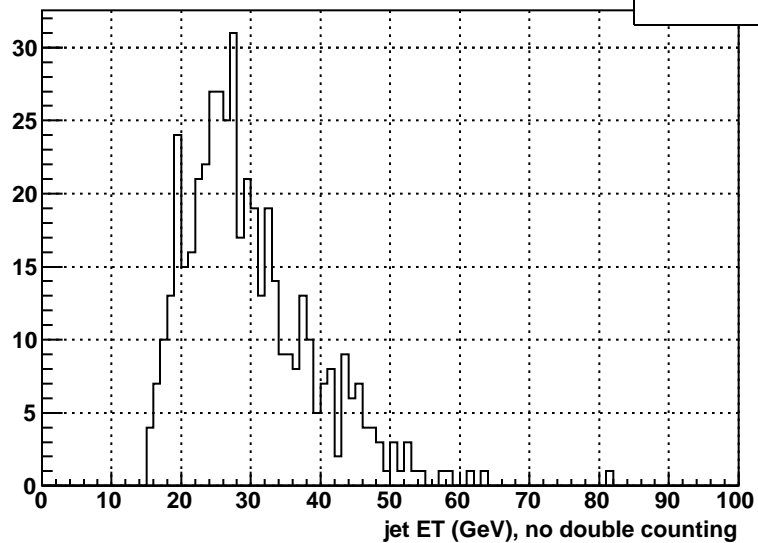
quenched near 'TPC jet' vs. near 'EMC jet'

Entries 464



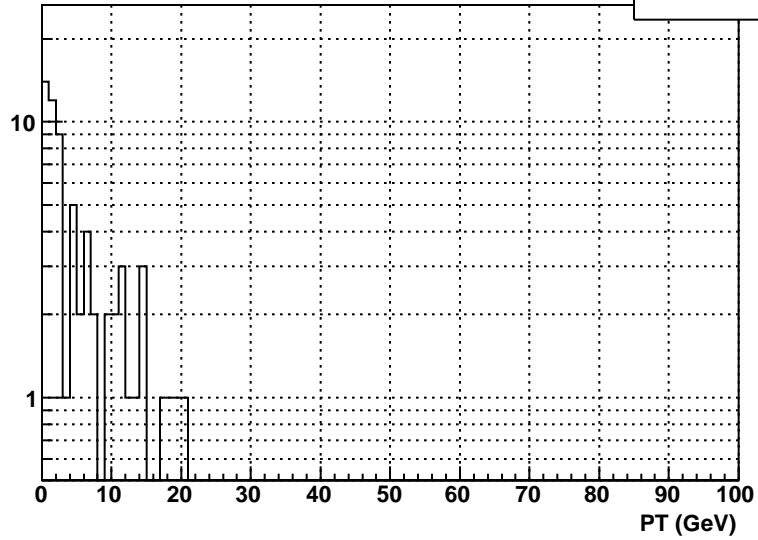
near 'TPC+EMC jet' ET

Entries 464



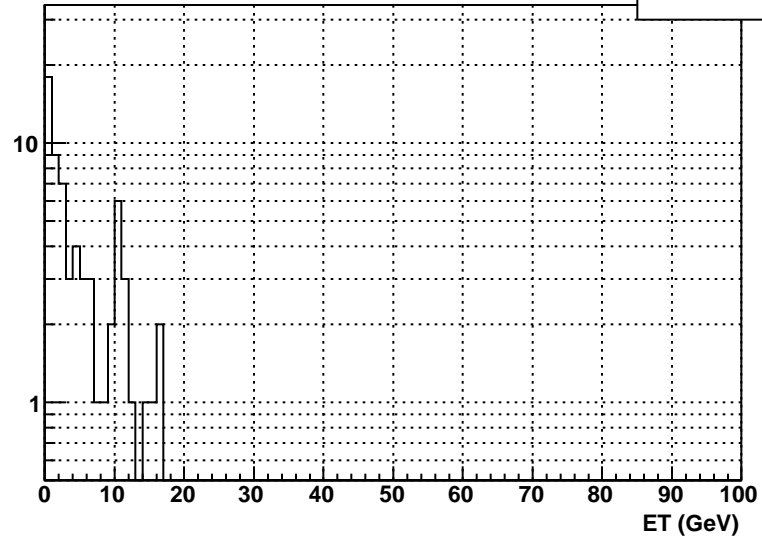
TPC away-cone PT sum

Entries 65



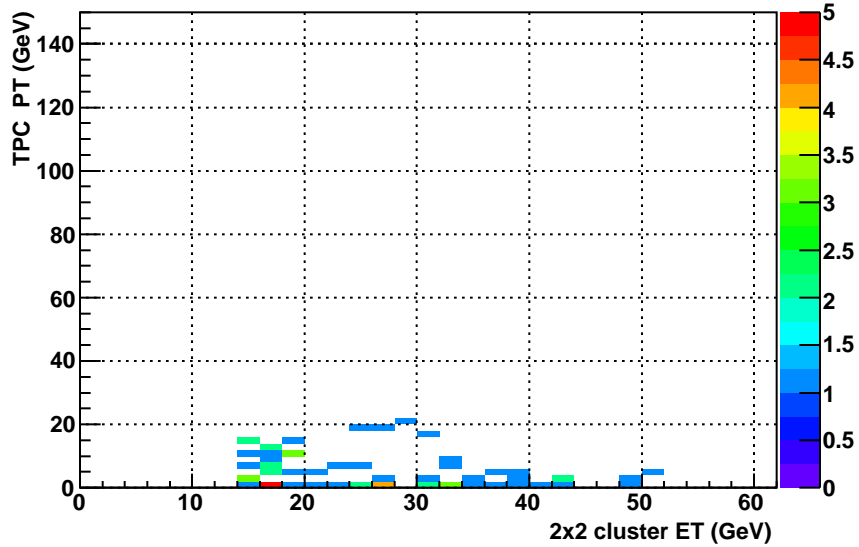
BTOW away-cone ET sum

Entries 65



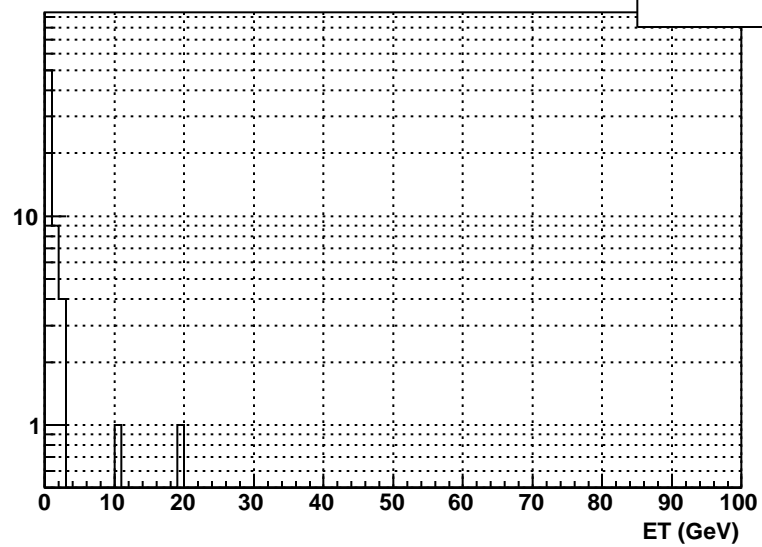
TPC PT vs. isolated cluster 2x2 ET, matched

Entries 65



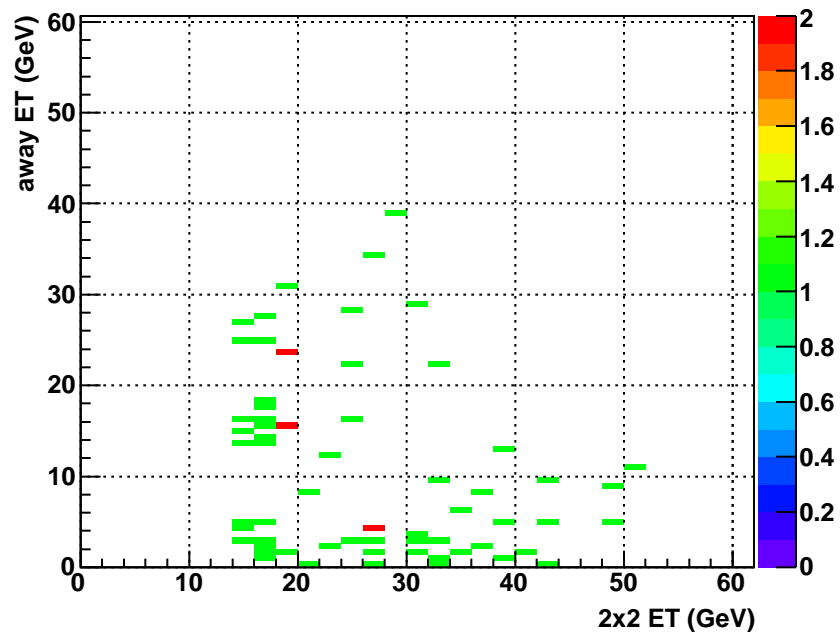
ETOW away-cone ET sum

Entries 65



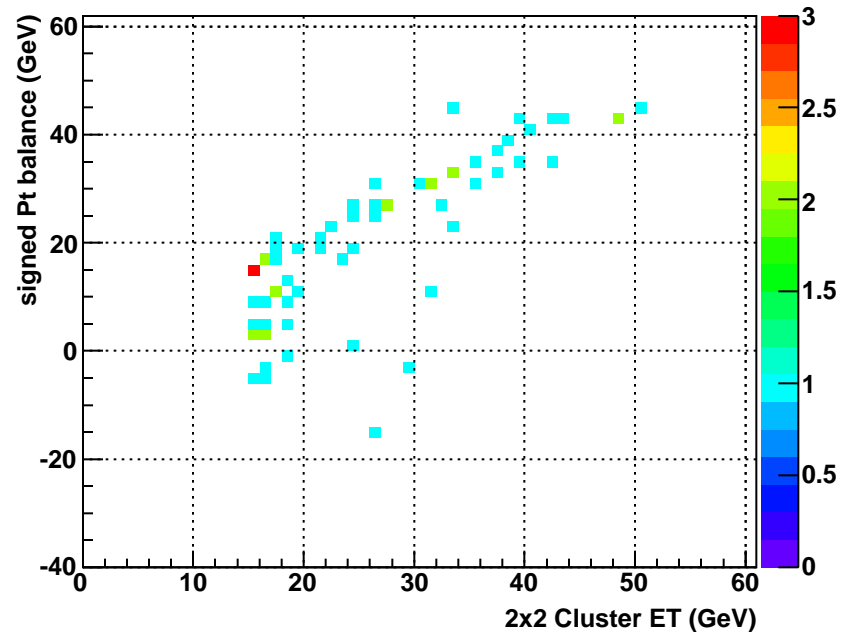
away TPC+EMC ET sum vs. 2x2 cluster ET

Entries 65



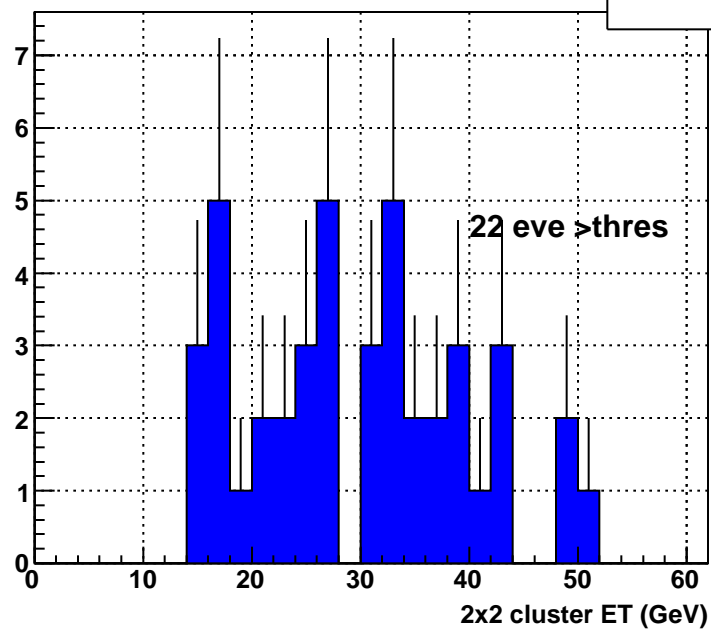
sPtBalance vs cluster ET

Entries 65



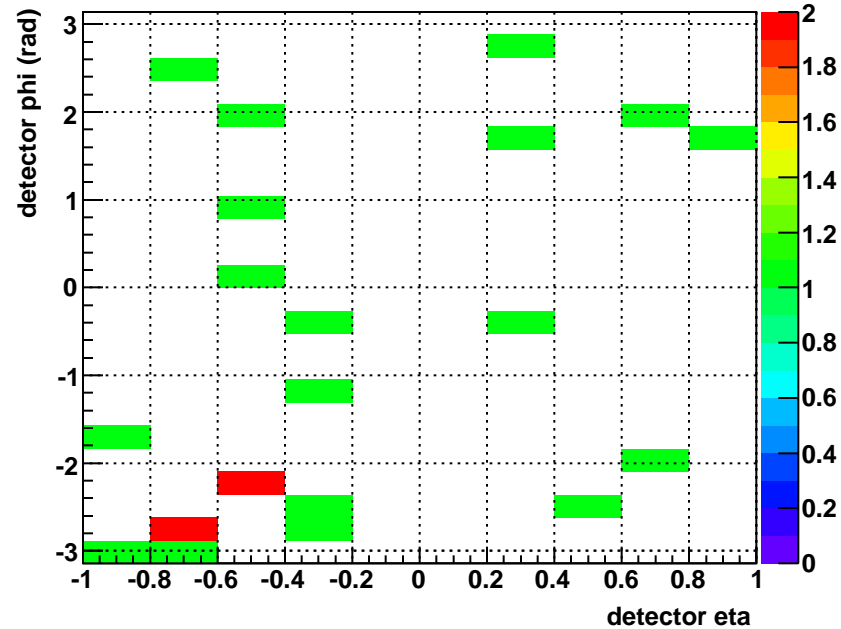
Final selection

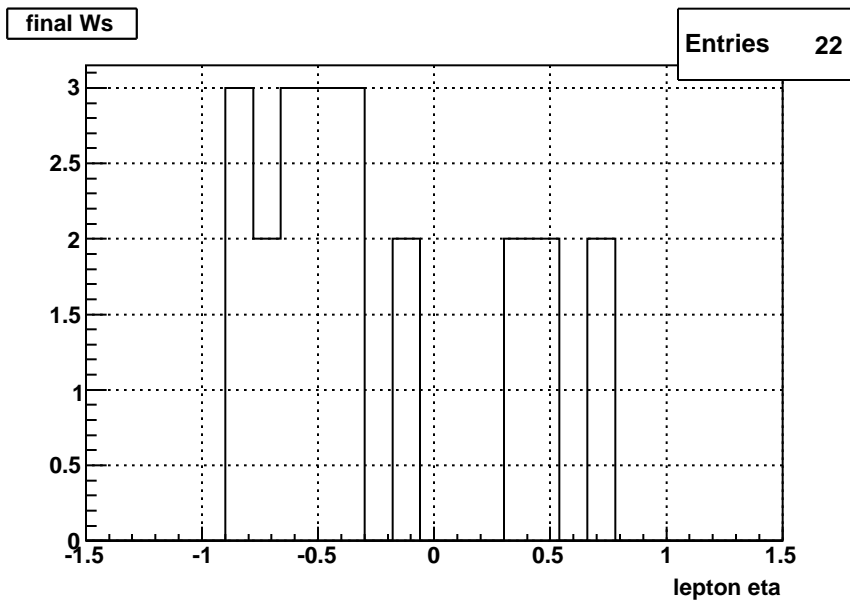
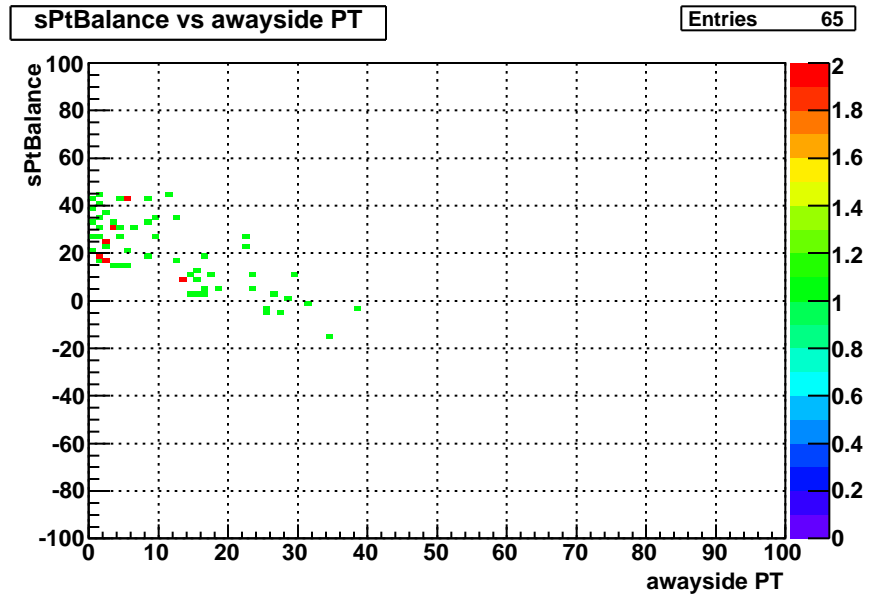
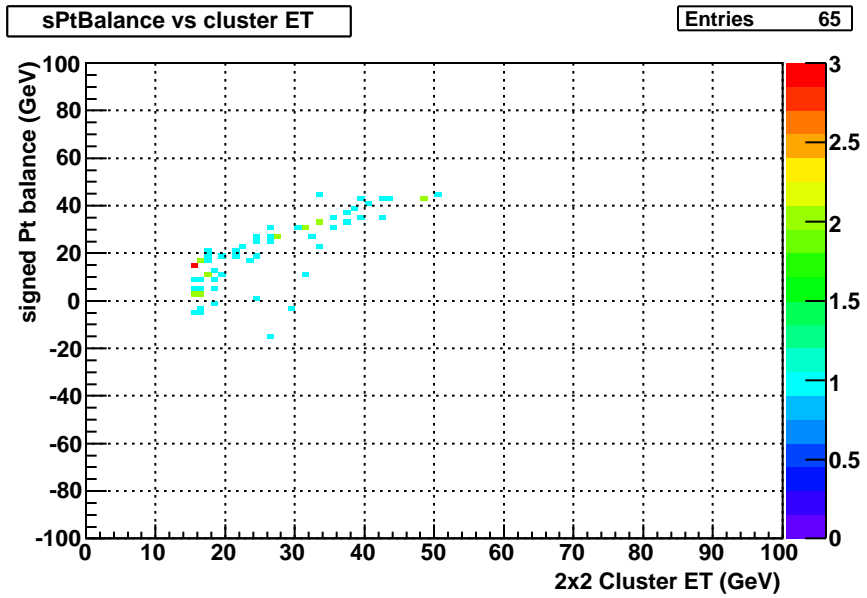
Entries 43



Final W selection, ET>28 GeV 'goldenW'

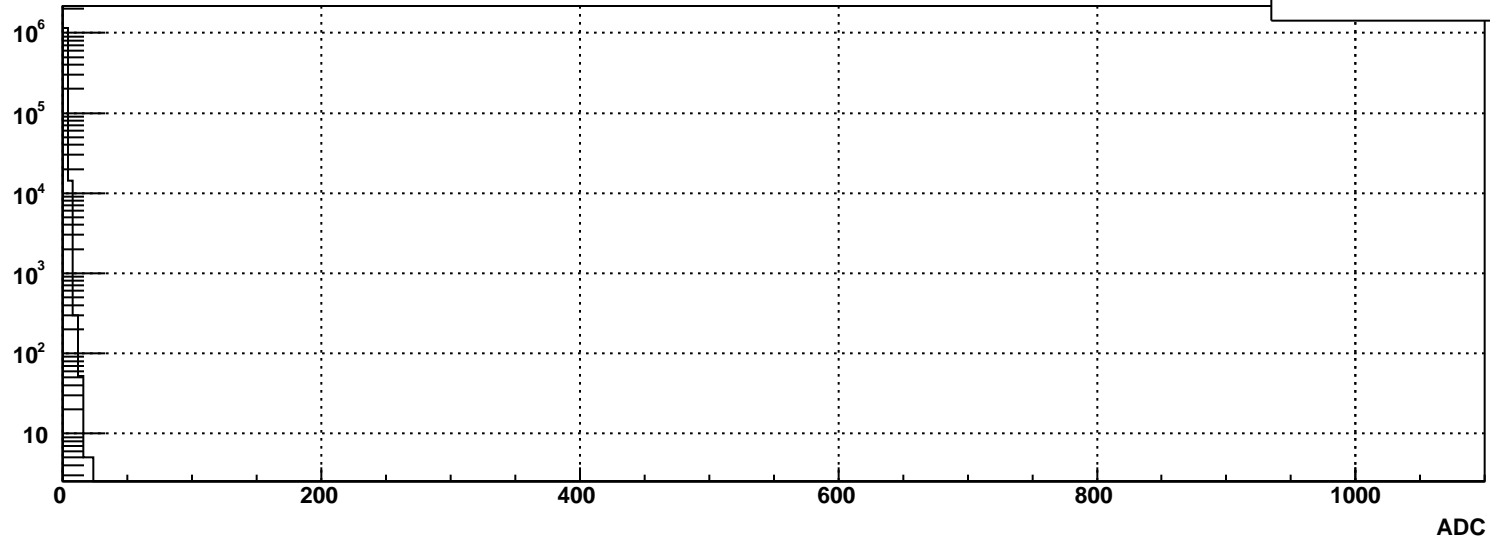
Entries 22





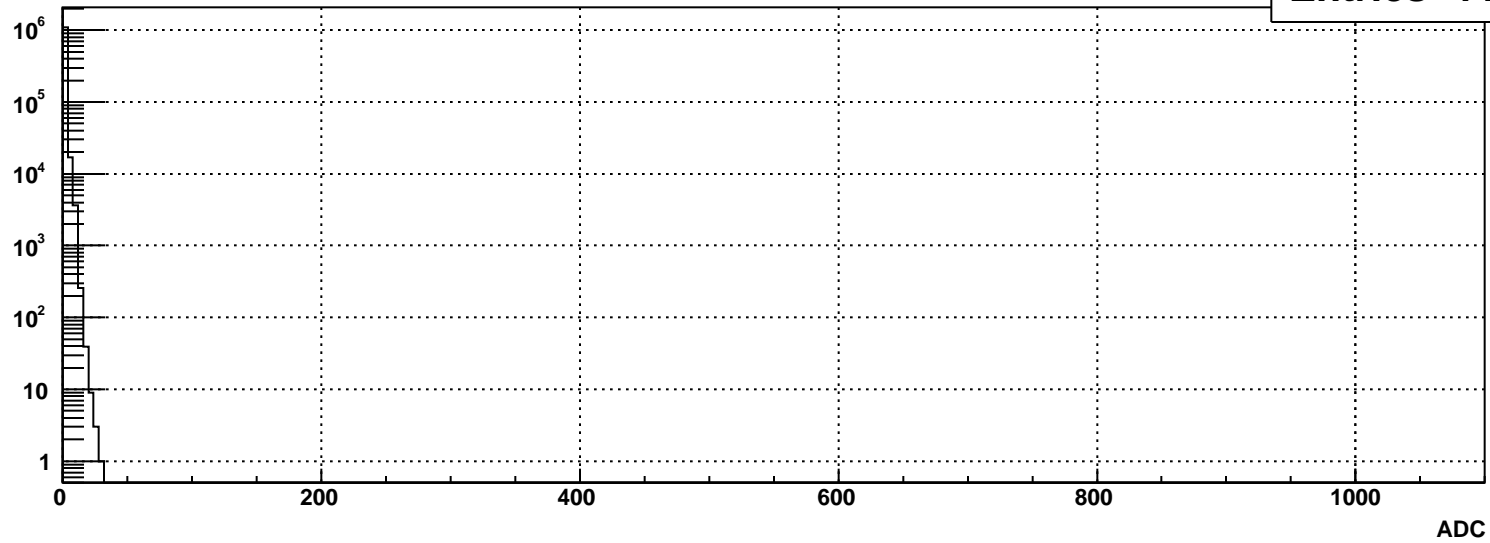
BSMD-E whole plane ADC

Entries 1158531



BSMD-P whole plane ADC

Entries 1118713

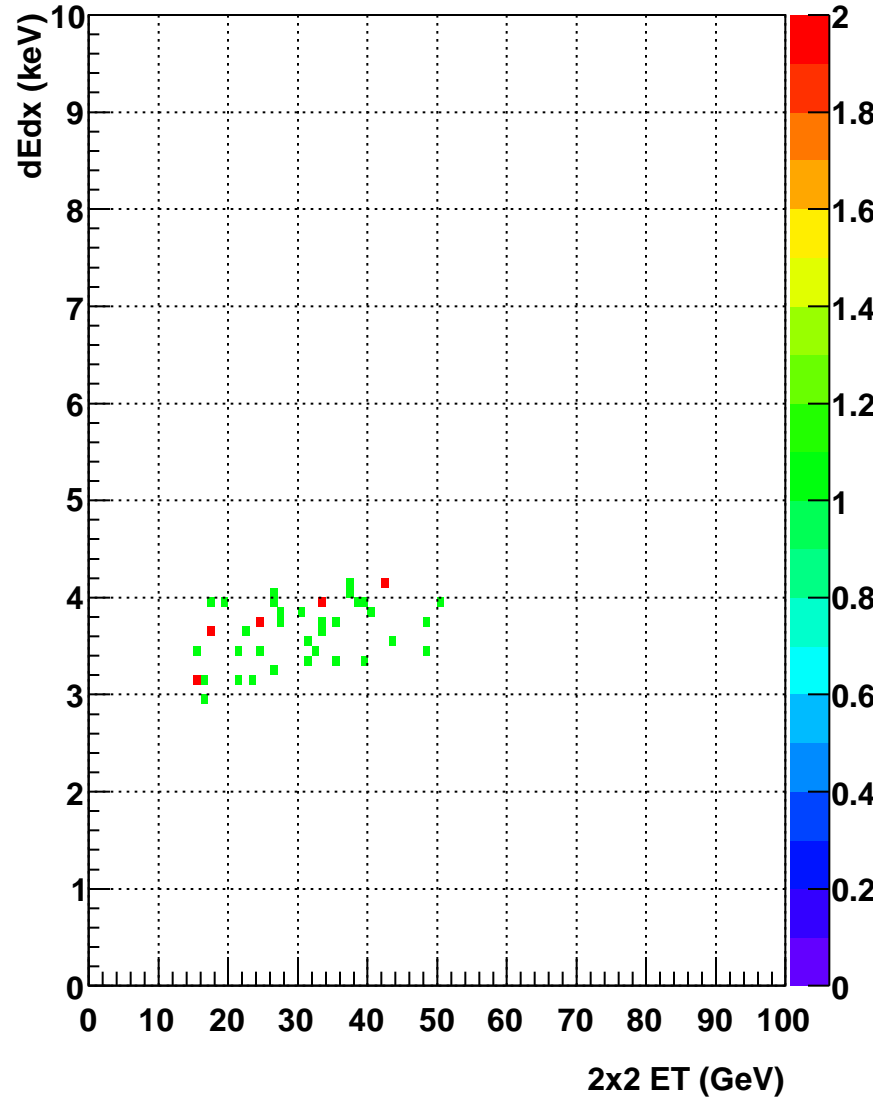
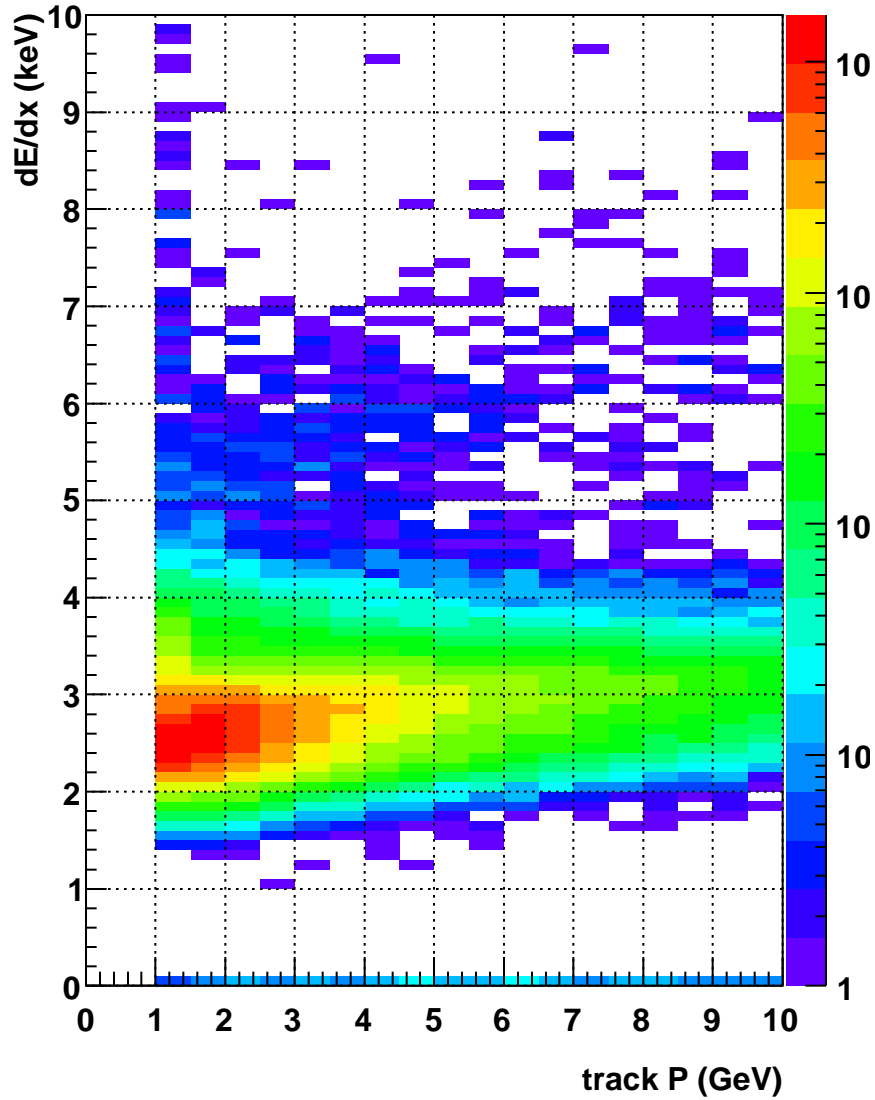


dEdX vs. momentum

Entries 419711

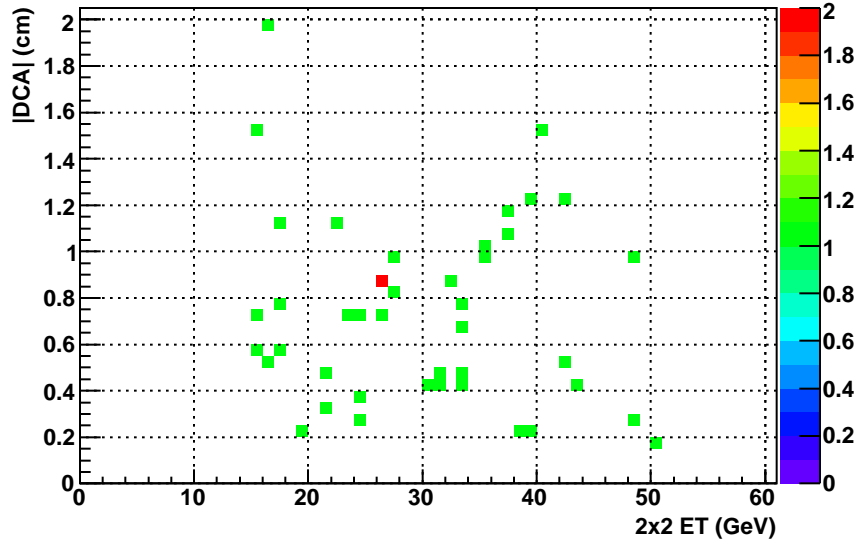
Track dEdx, final W selection

Entries 43



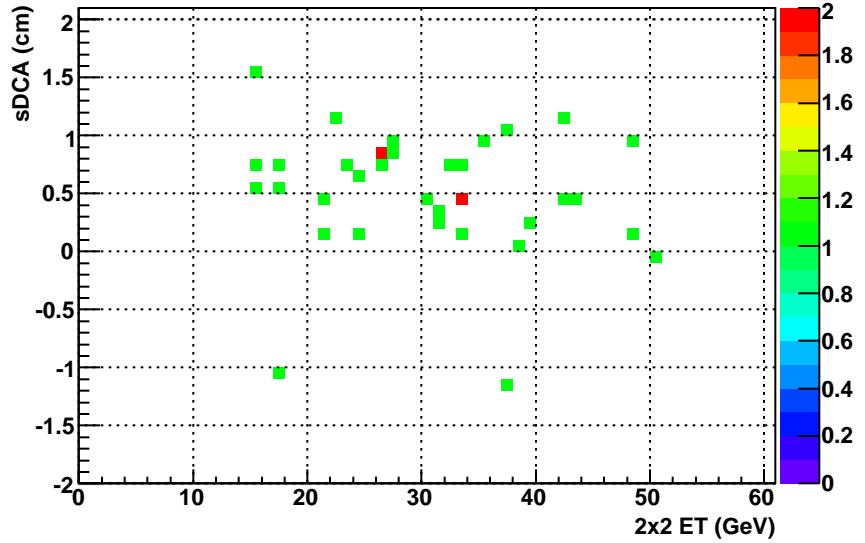
Track glob vertex abs(DCA), final W

Entries 43



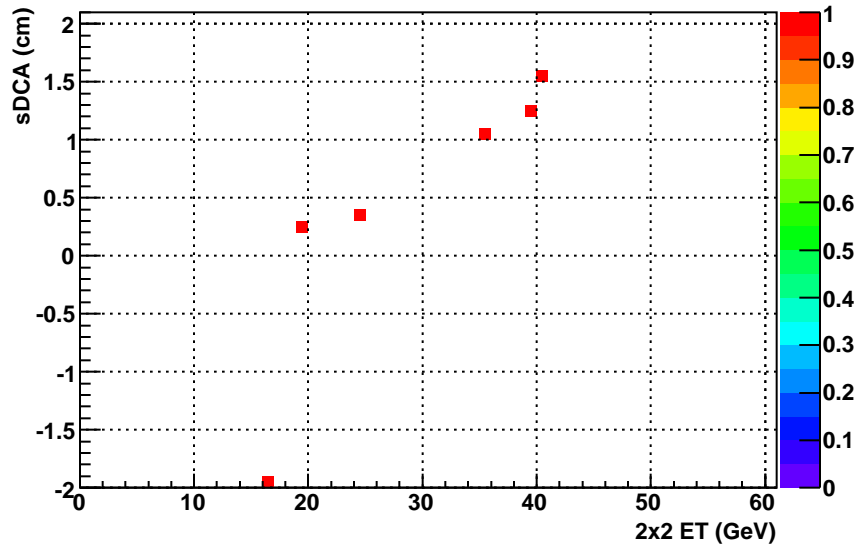
Track prim POSITIVE glob signed DCA, final W

Entries 37



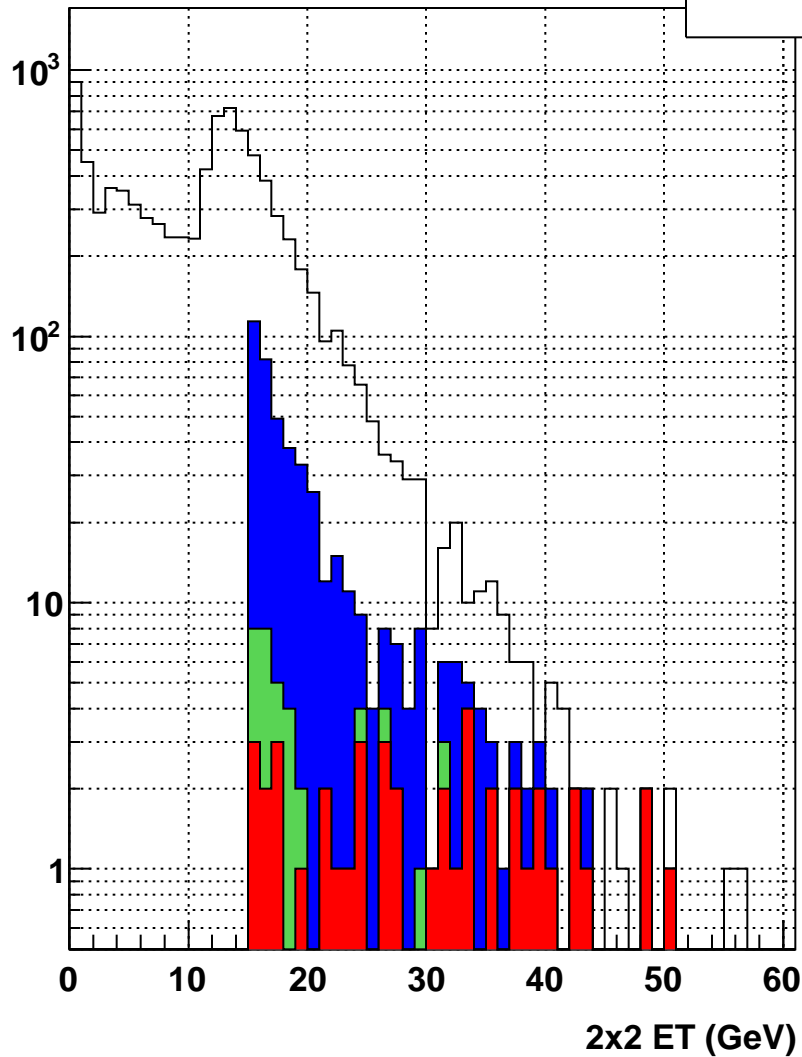
Track prim NEGATIVE glob signed DCA, final W

Entries 6



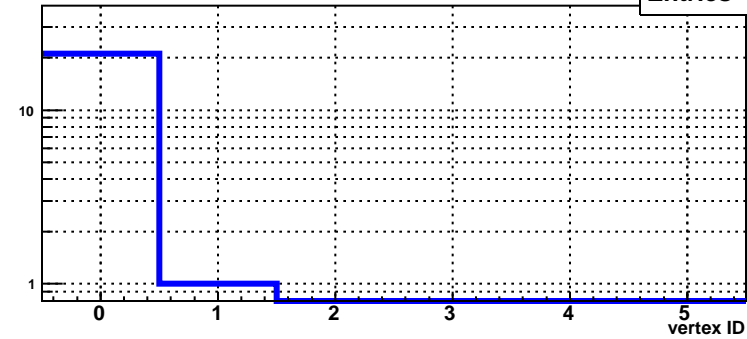
electron candidate, cut=max 2x2

Entries 8674



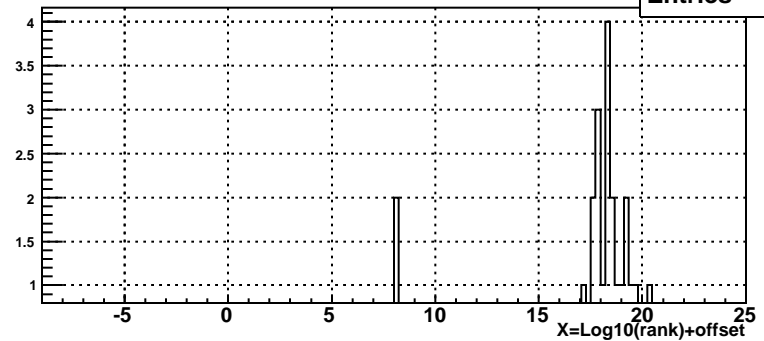
Vertex ID, final W selection, 2x2 ET>28 GeV

Entries 22



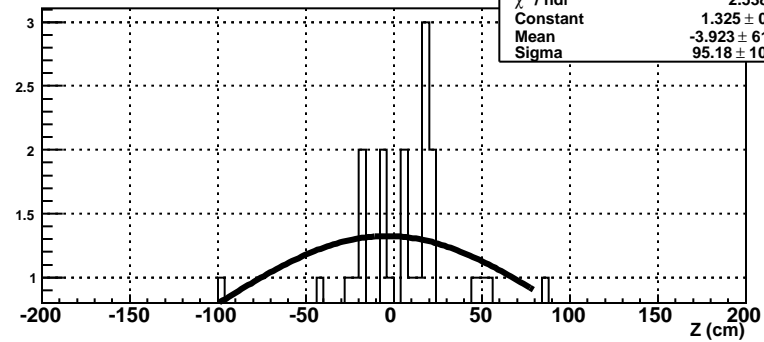
Vertex 'funny' rank, final W selection, 2x2 ET>28 GeV

Entries 22

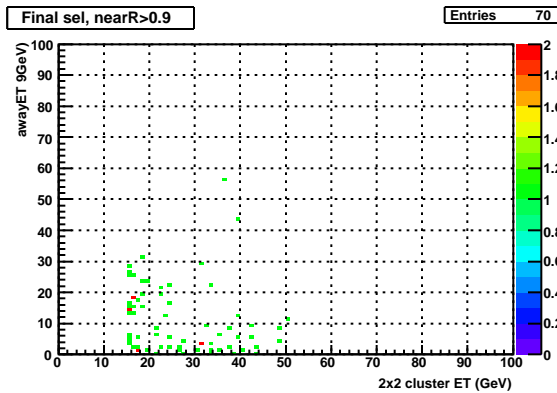
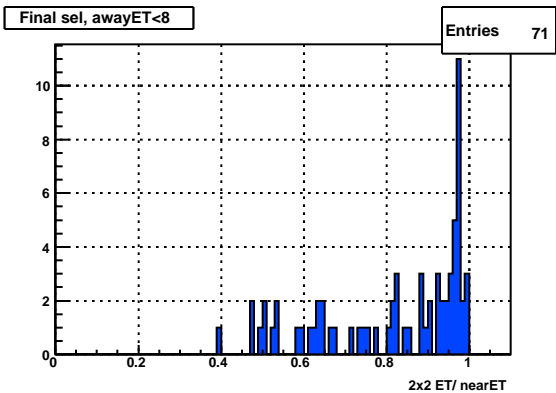
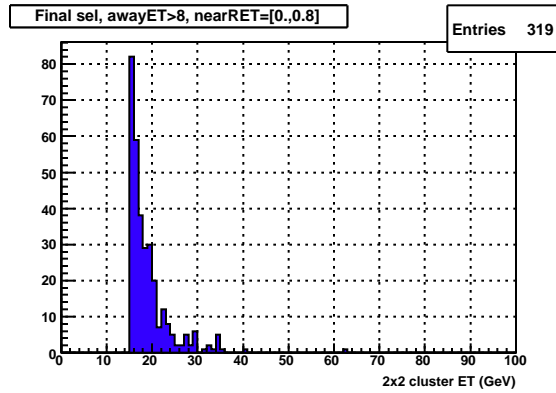
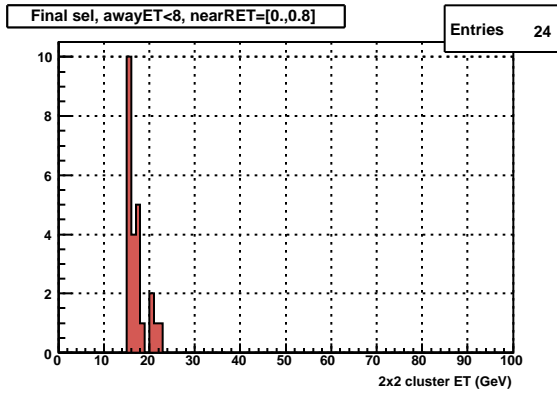
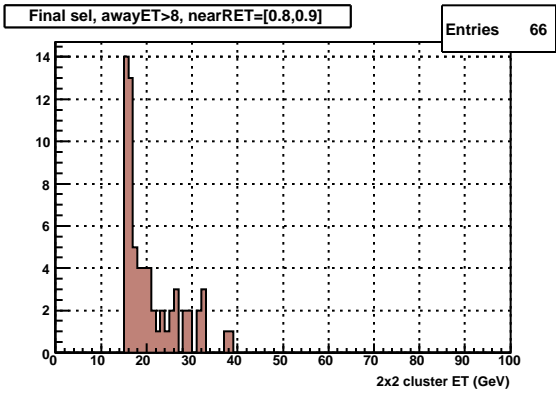
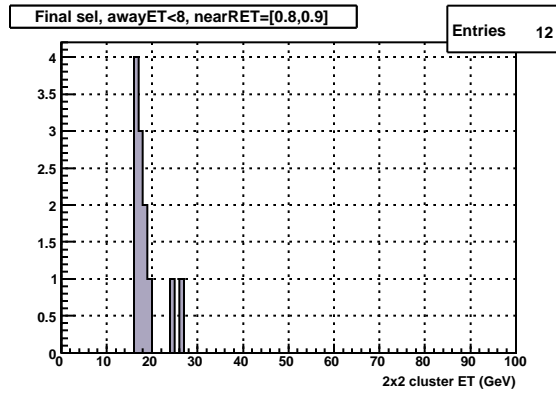
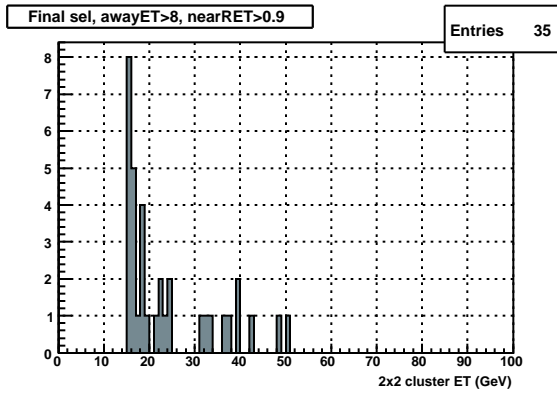
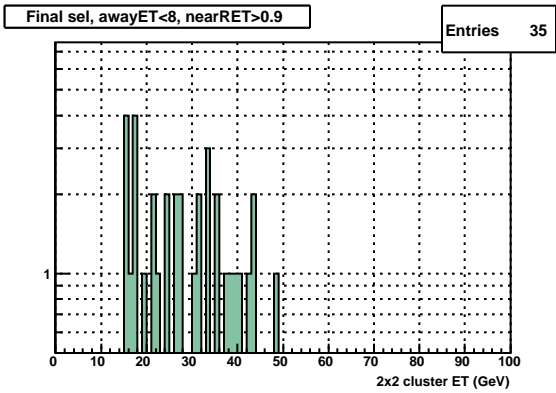


Vertex Z, final W selection, 2x2 ET>28 GeV

Entries	22
χ^2 / ndf	2.538 / 12
Constant	1.325 ± 0.382
Mean	-3.923 ± 61.320
Sigma	95.18 ± 105.93

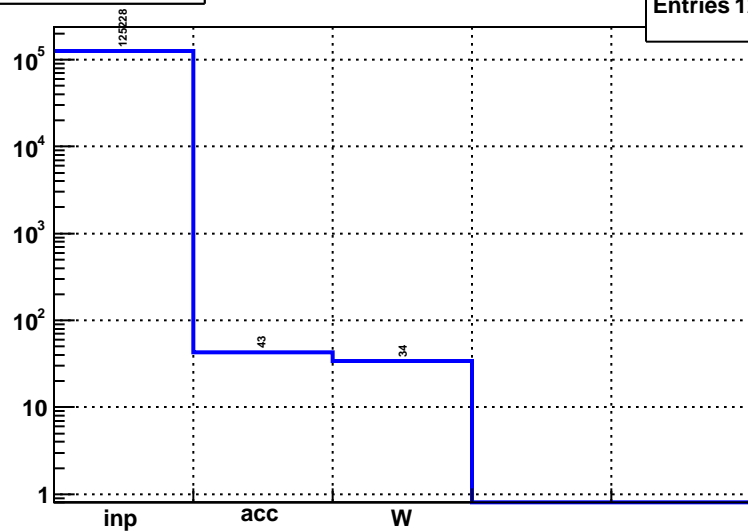


Background study for Joe, week_1, page=19, Mon Feb 21 14:42:05 2011



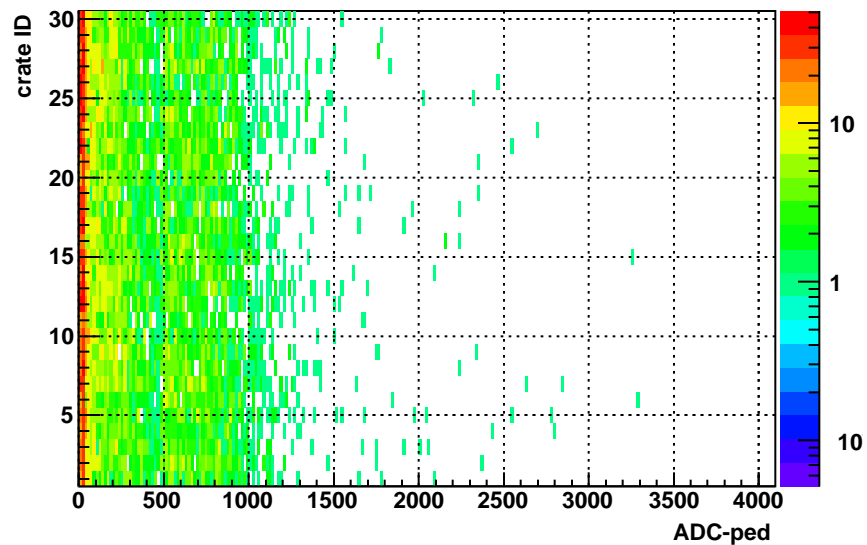
pub event count

Entries 125809



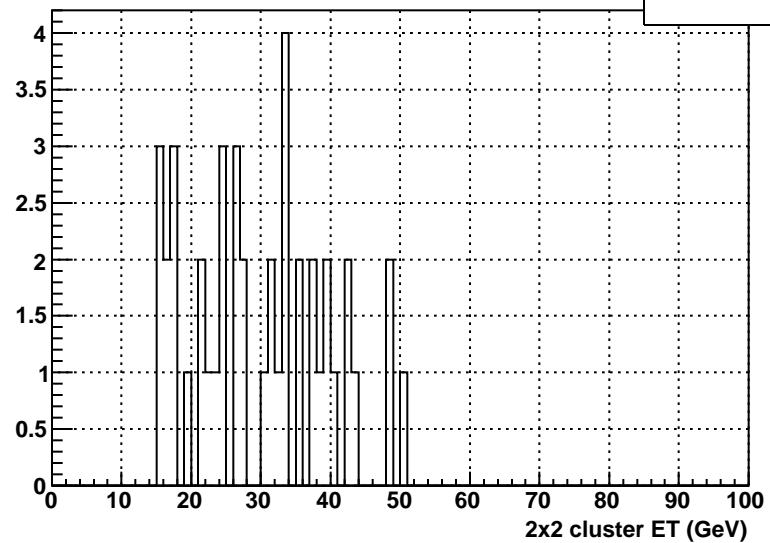
ADC of track pointed tower, per crate

Entries 8615



Final W selection

Entries 43

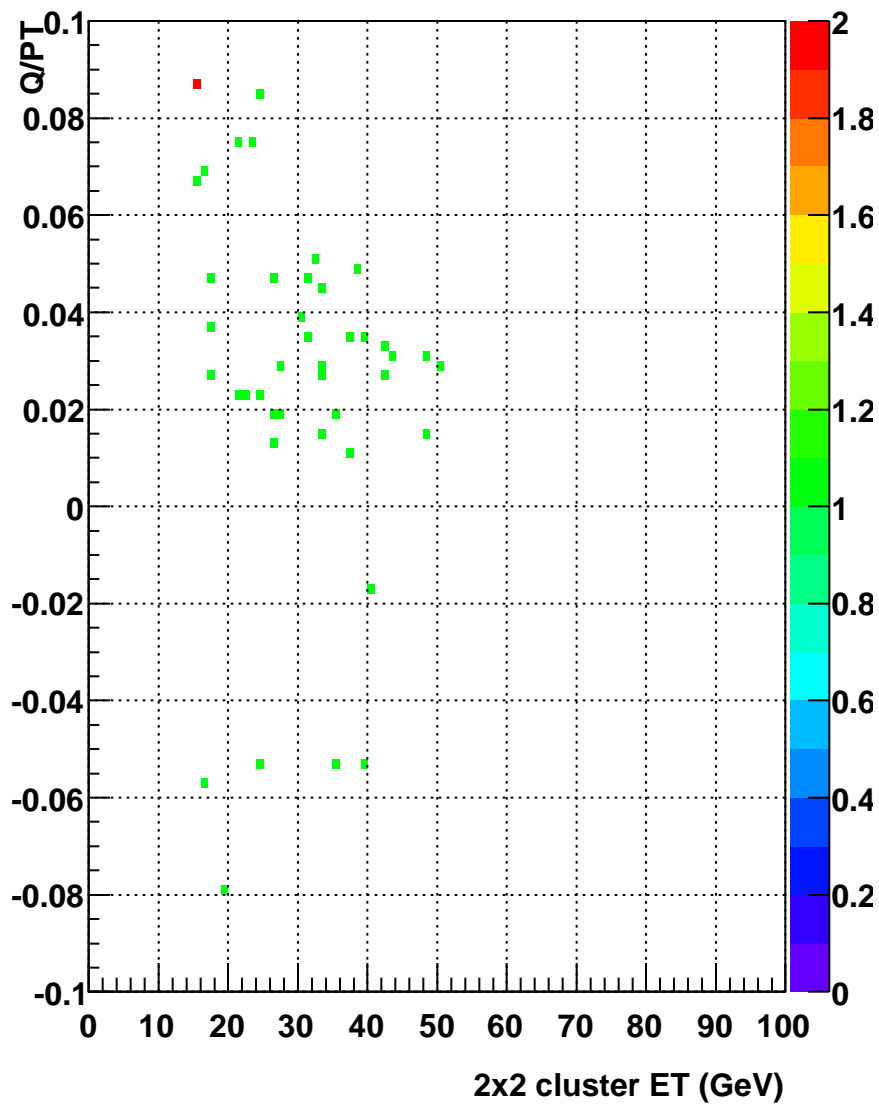
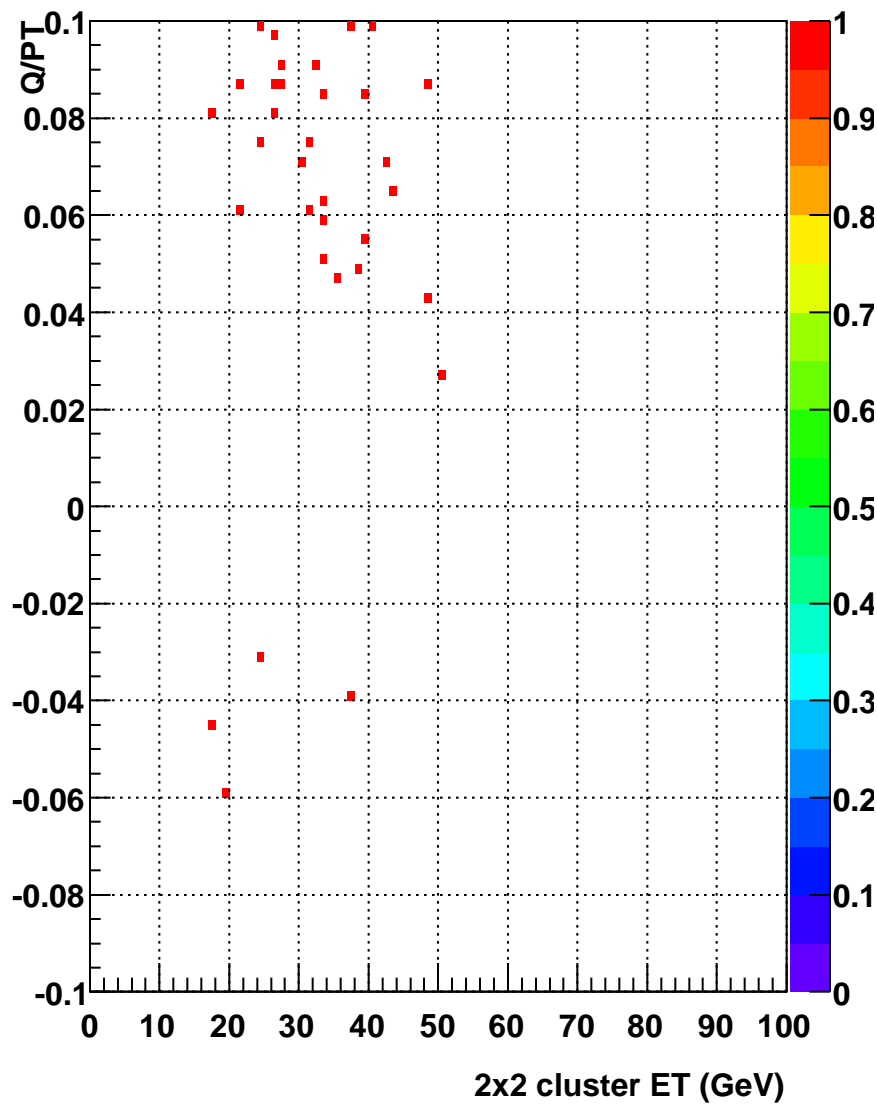


TPC GLOB Q/PT

Entries 43

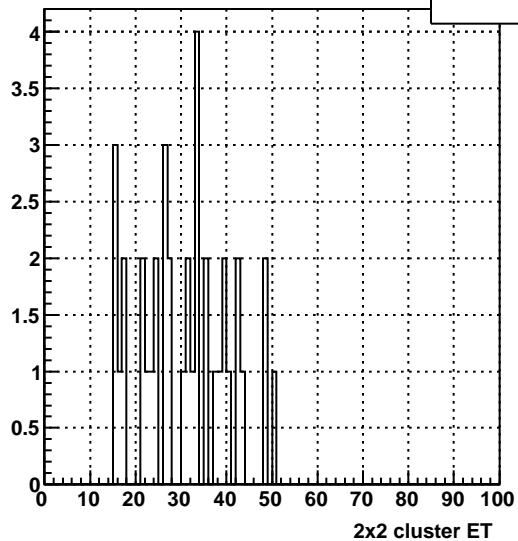
TPC PRIM Q/PT

Entries 43



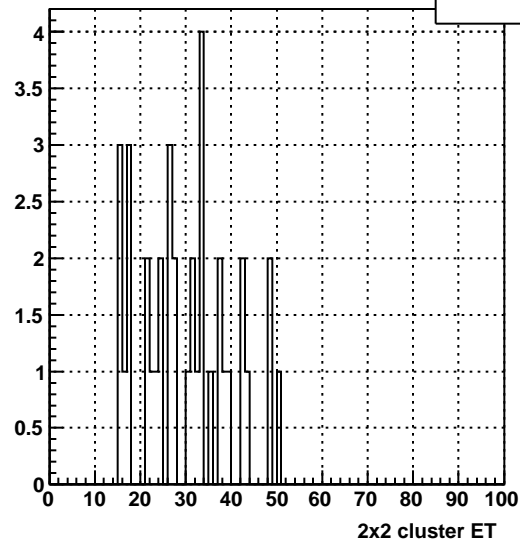
Final W glob Q=P

Entries 38



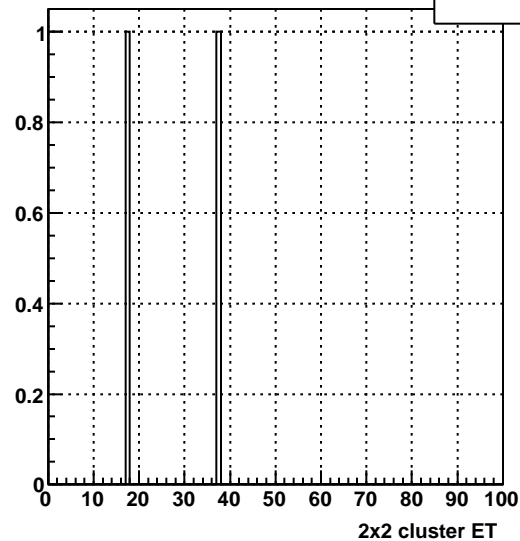
Final W prim Q=P

Entries 37



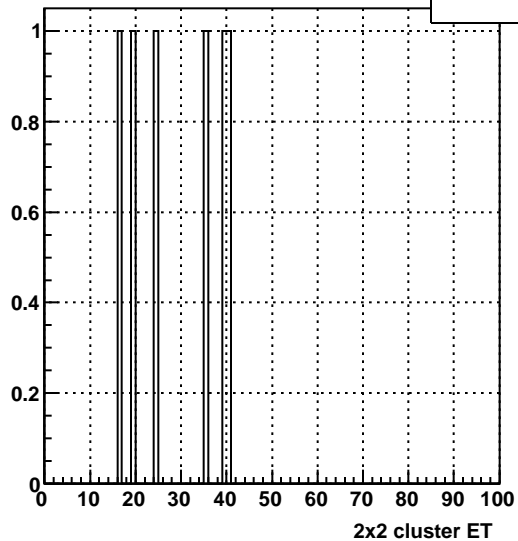
prim sign=P flip after V-refit

Entries 2



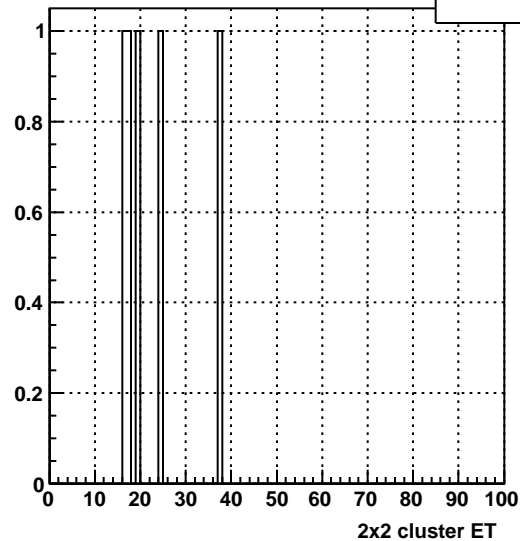
Final W prim Q=N

Entries 6



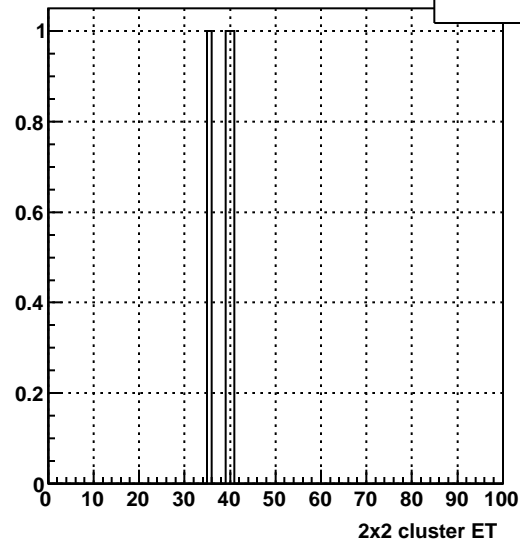
Final W glob Q=N

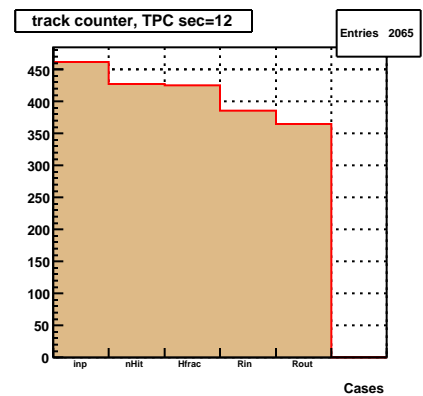
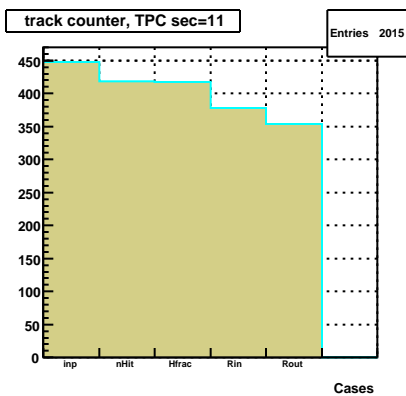
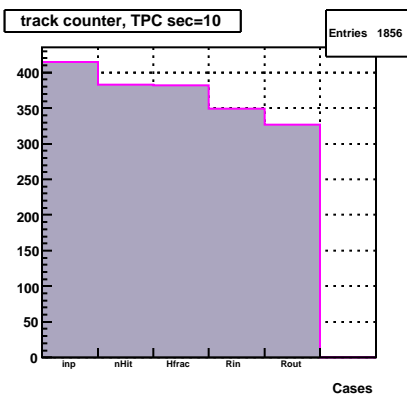
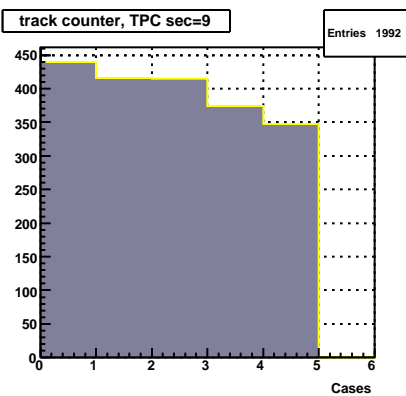
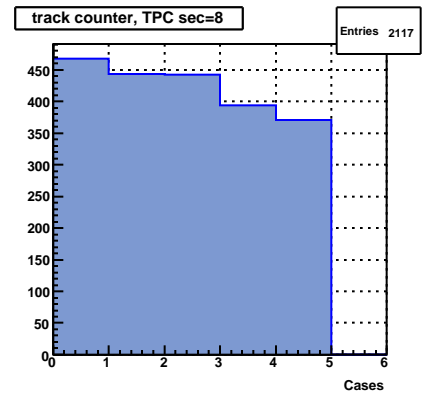
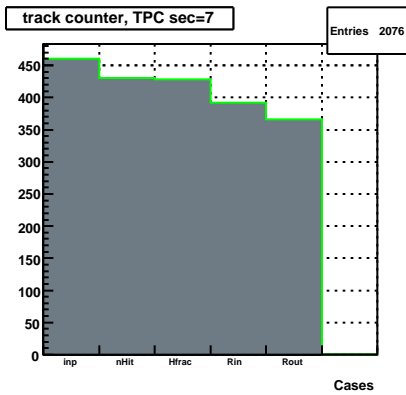
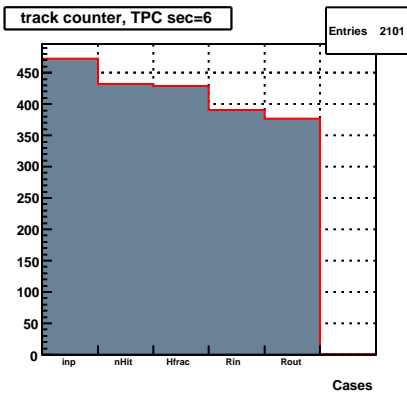
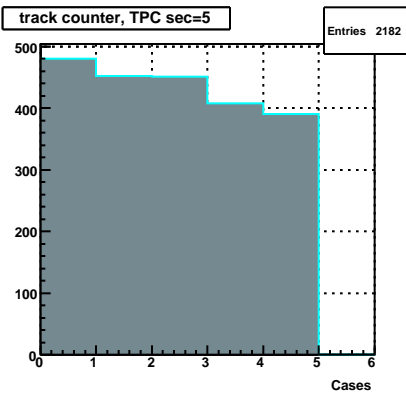
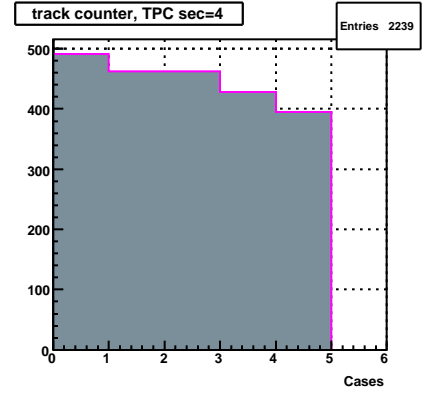
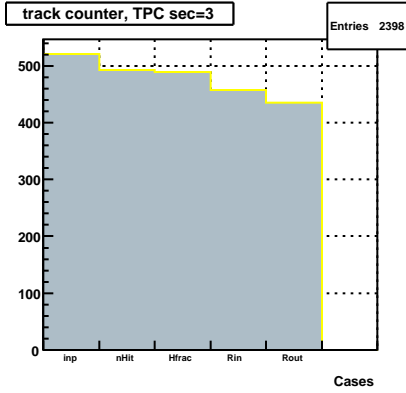
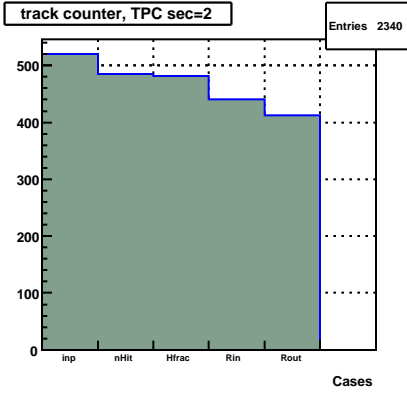
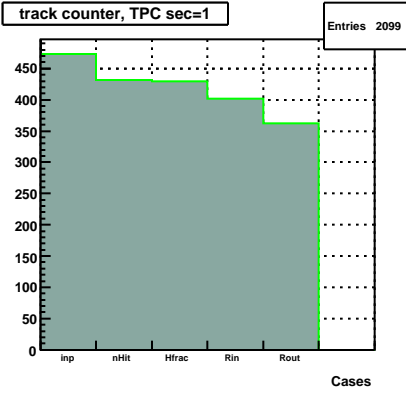
Entries 5

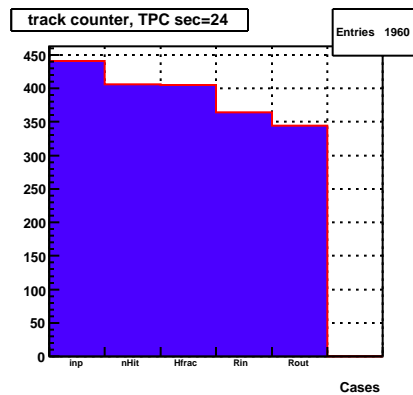
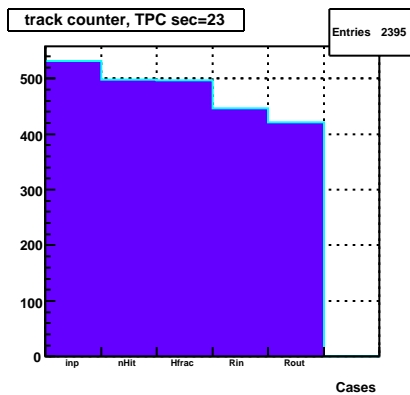
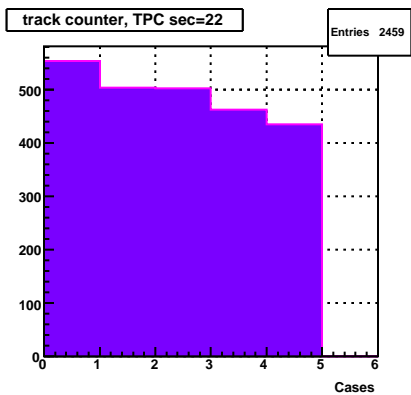
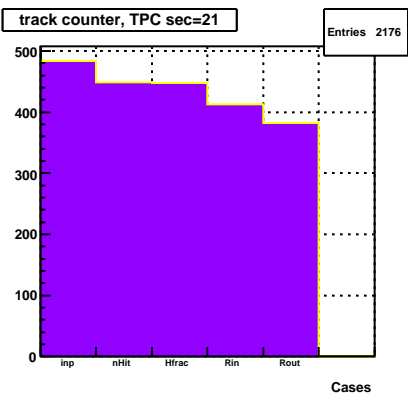
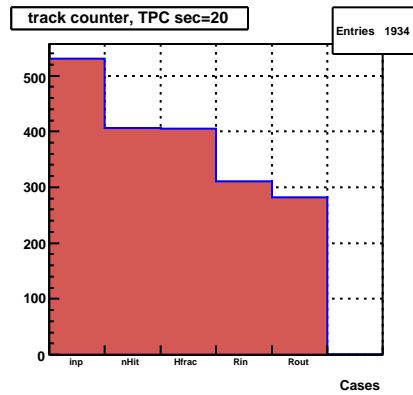
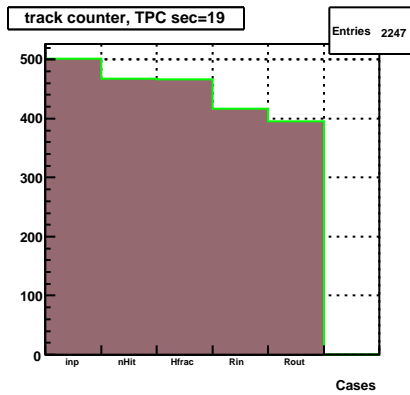
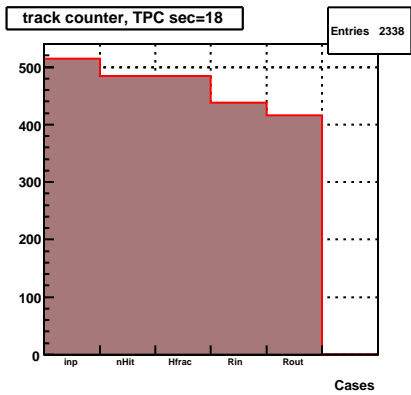
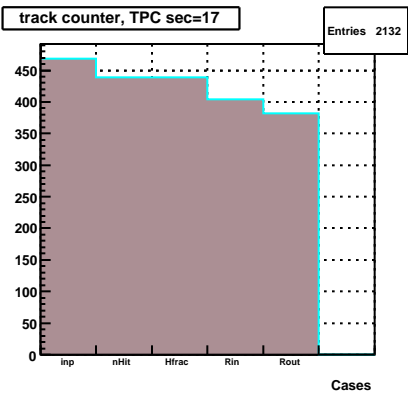
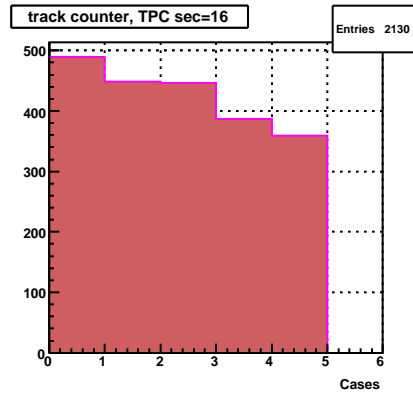
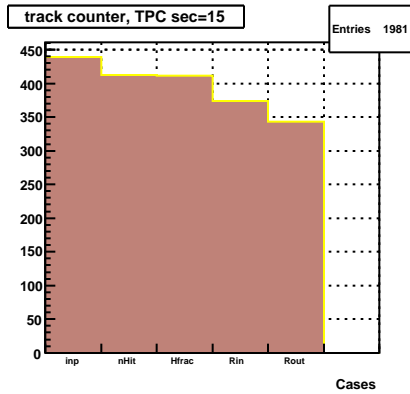
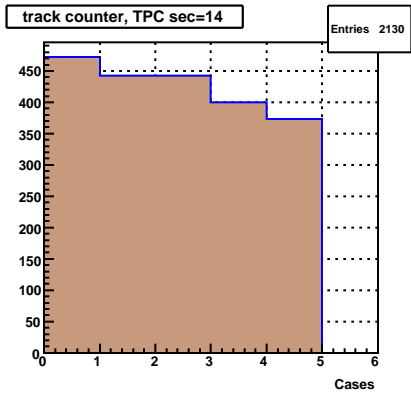
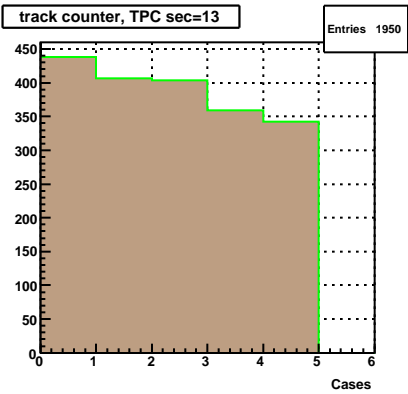


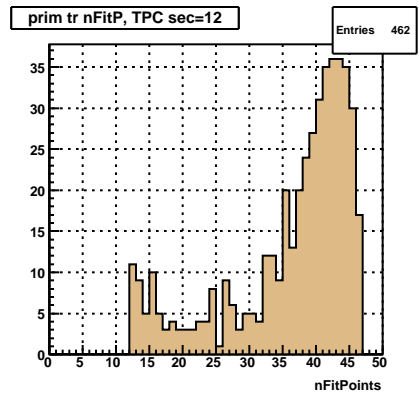
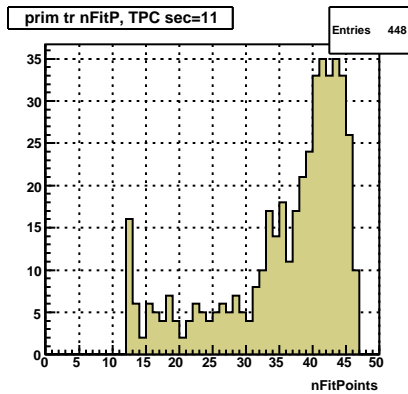
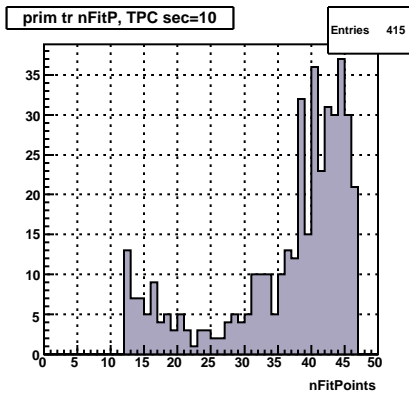
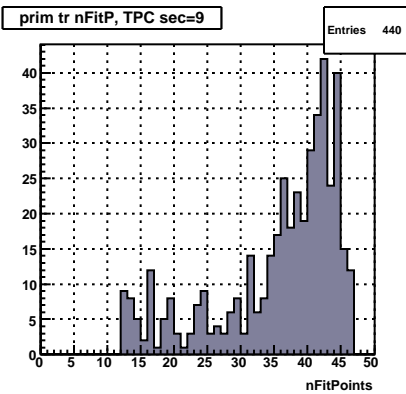
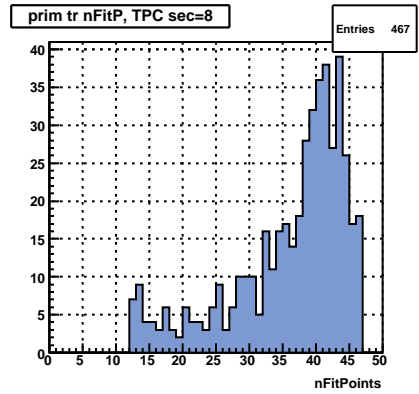
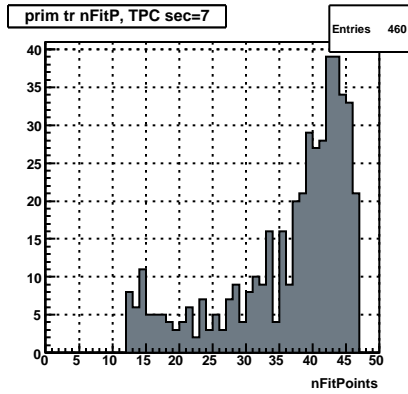
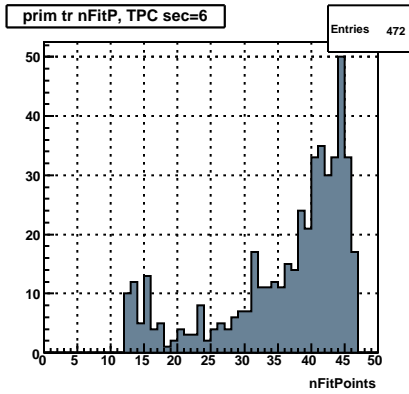
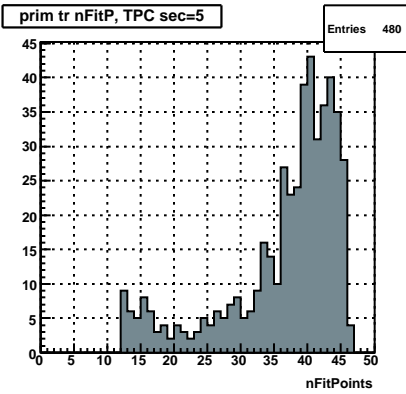
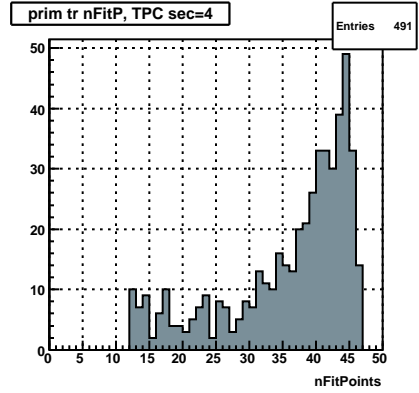
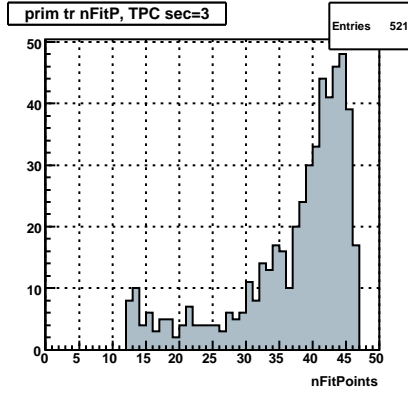
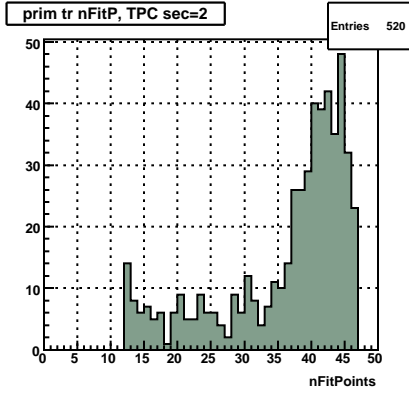
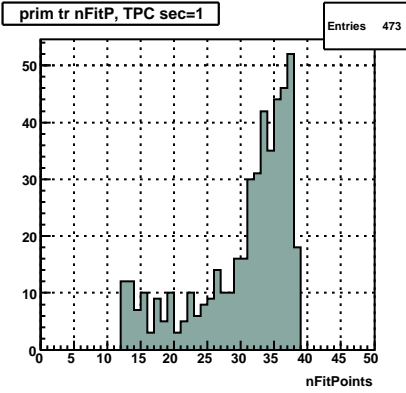
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Entries 3

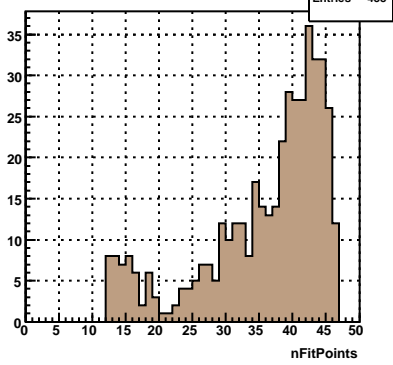




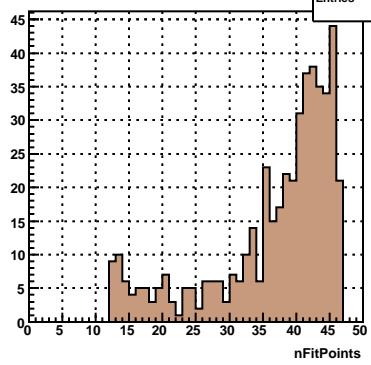




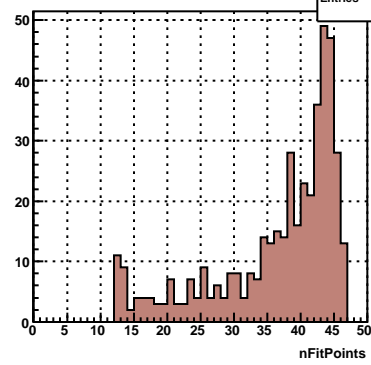
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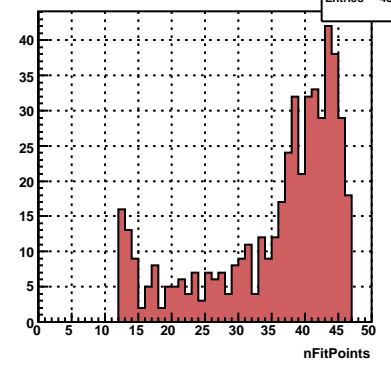
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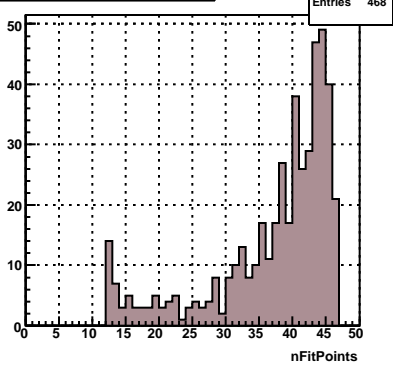
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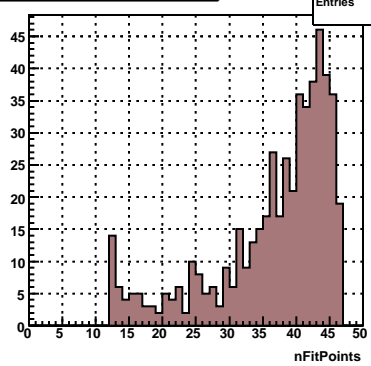
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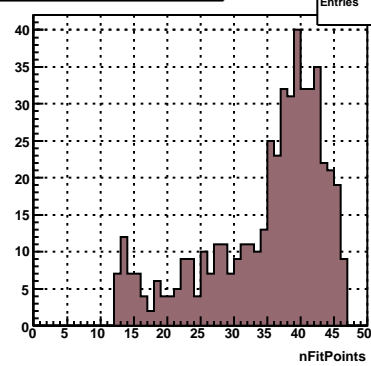
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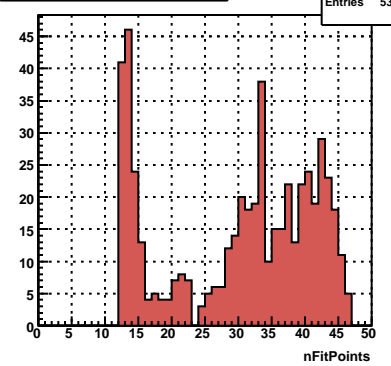
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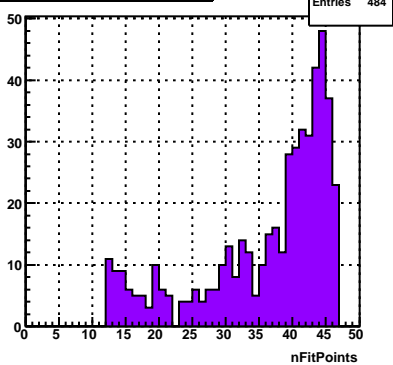
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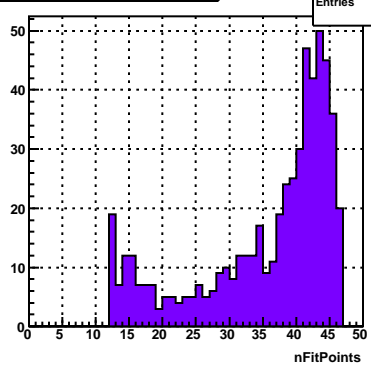
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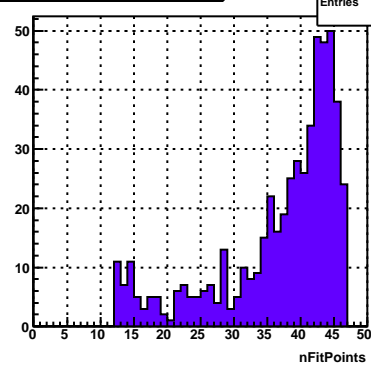
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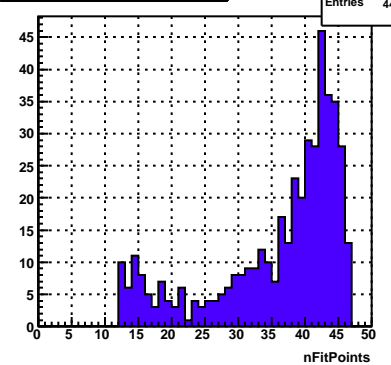
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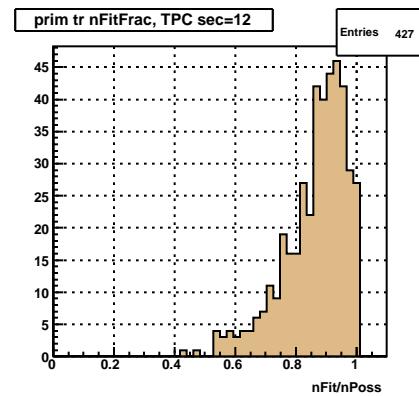
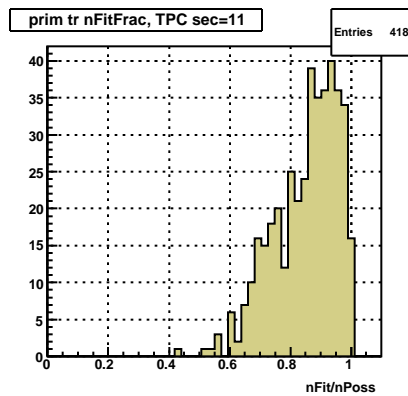
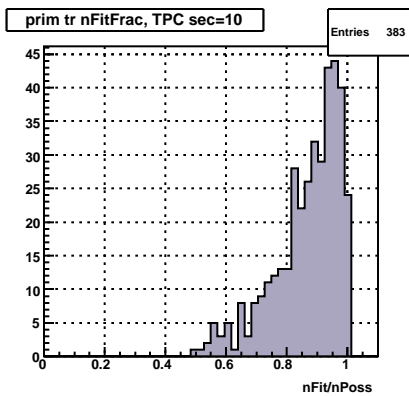
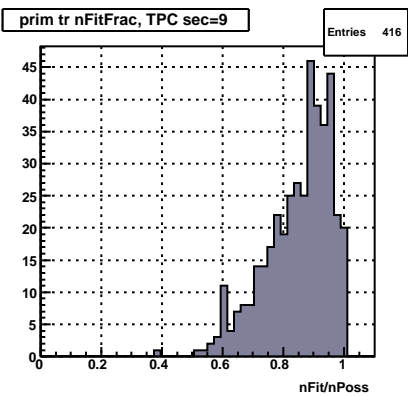
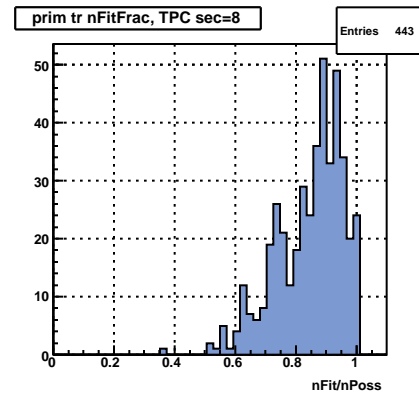
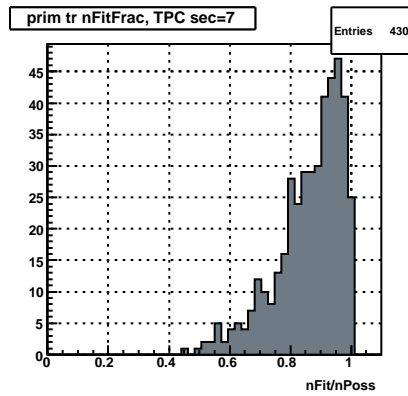
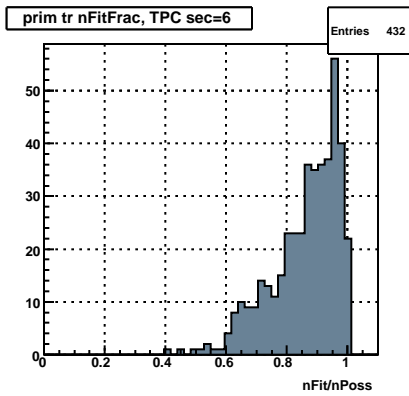
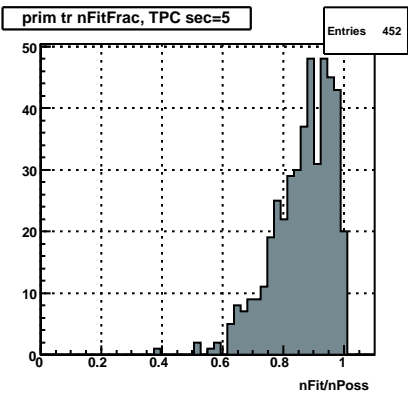
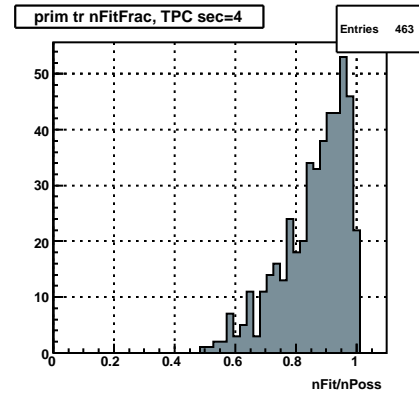
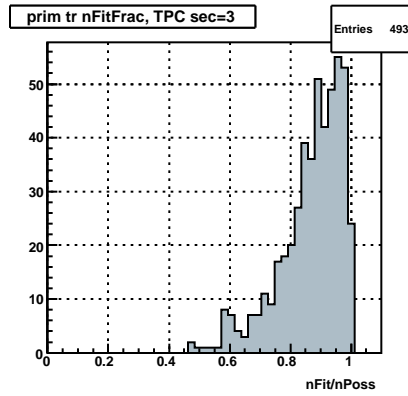
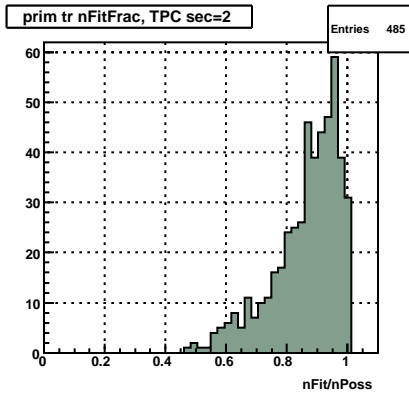
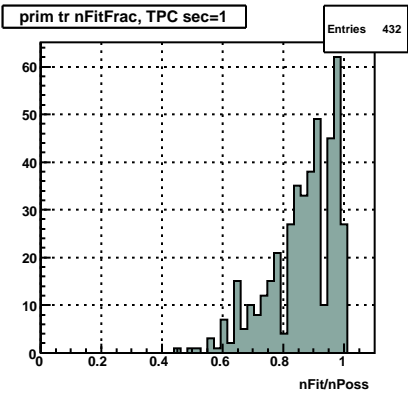


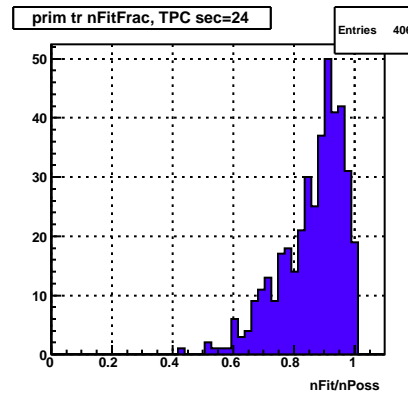
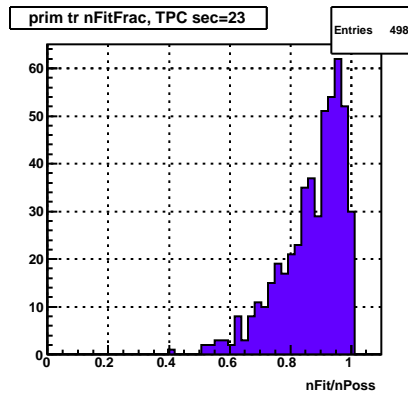
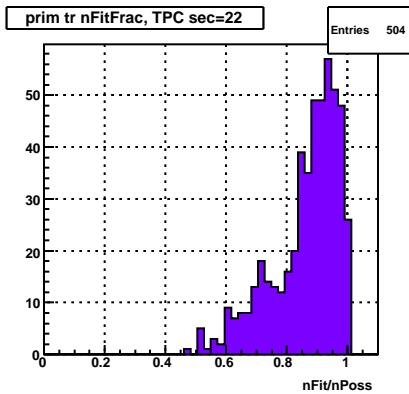
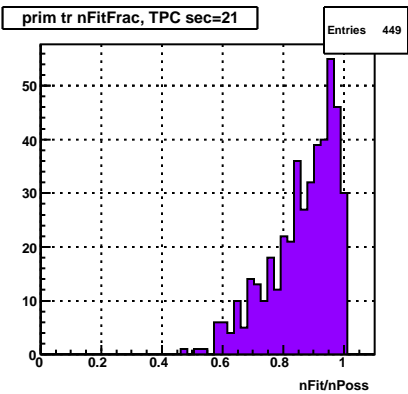
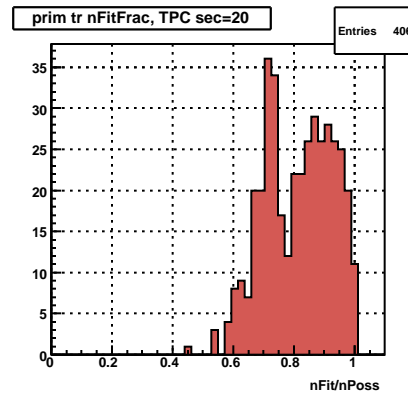
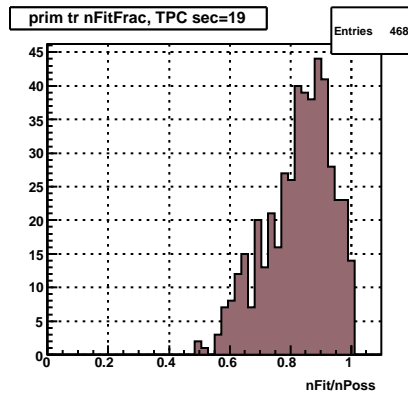
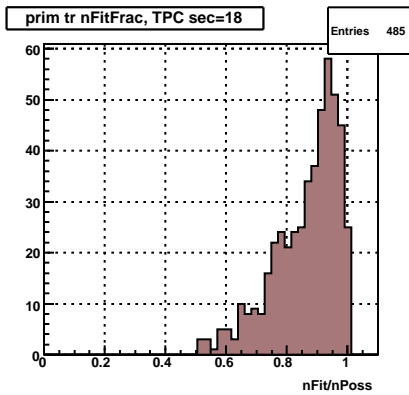
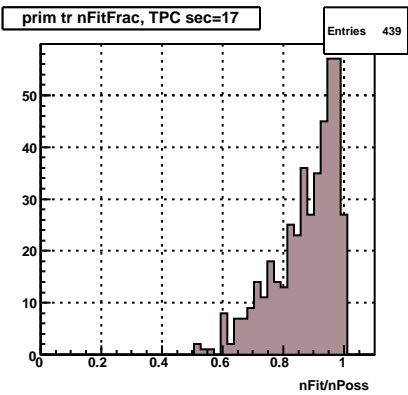
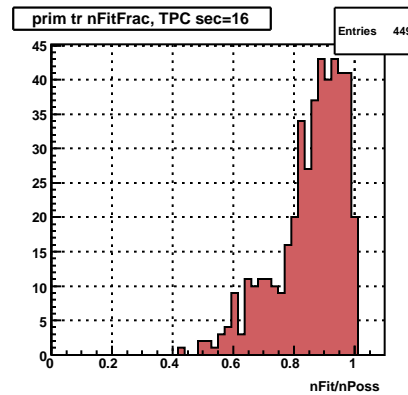
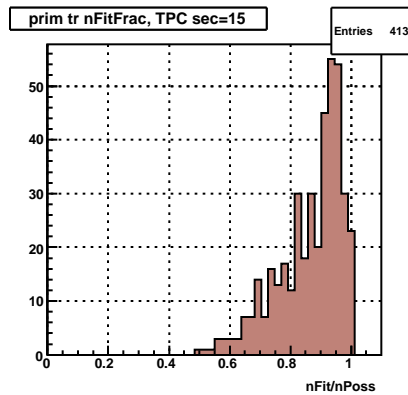
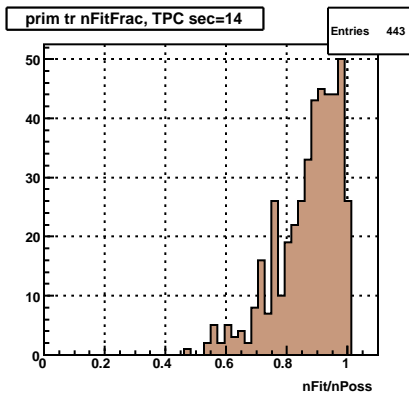
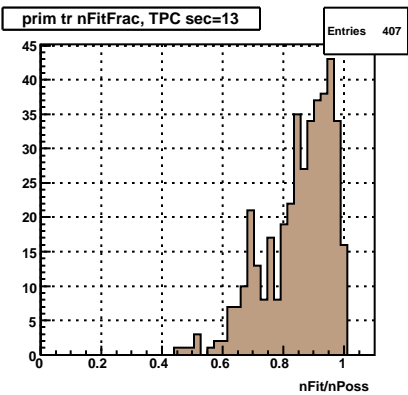
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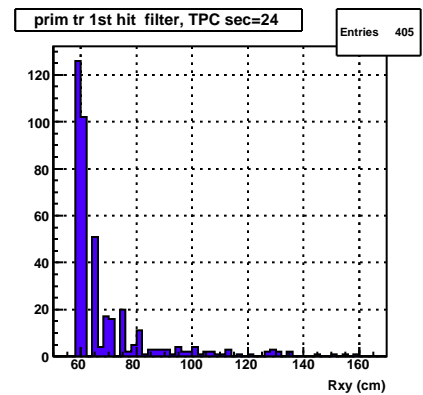
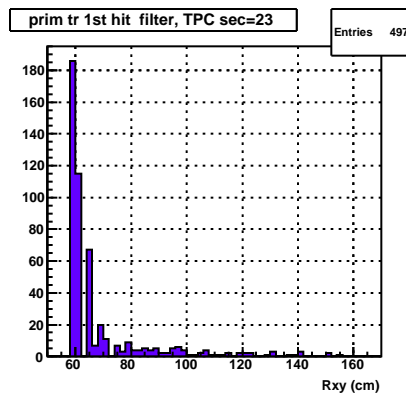
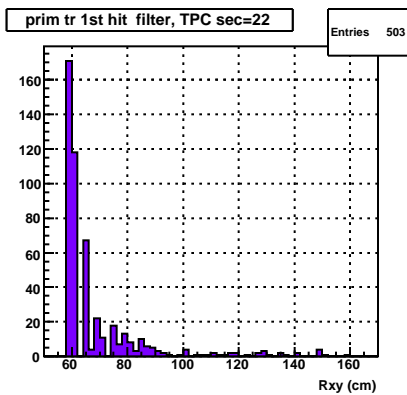
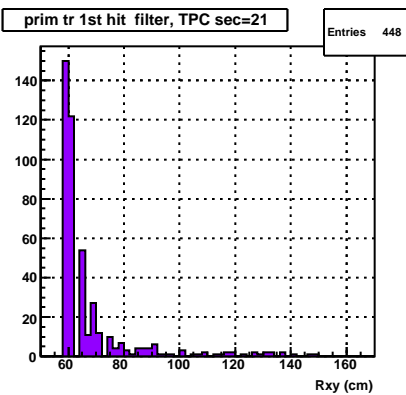
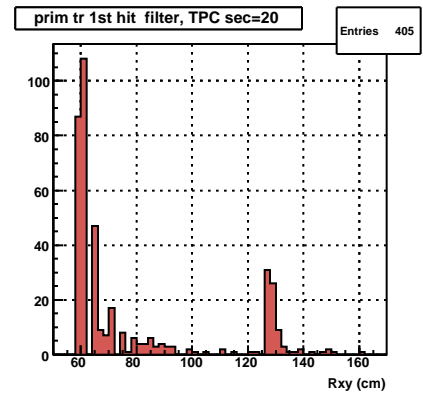
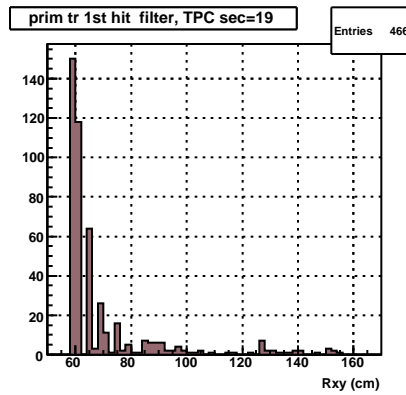
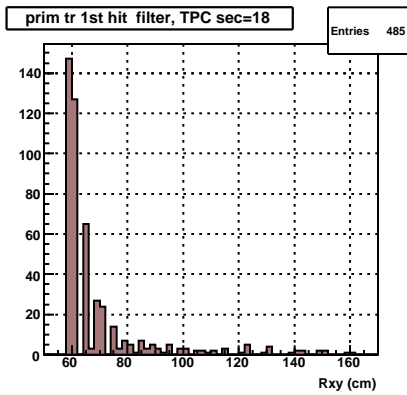
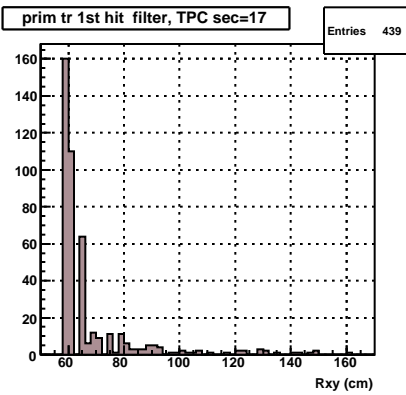
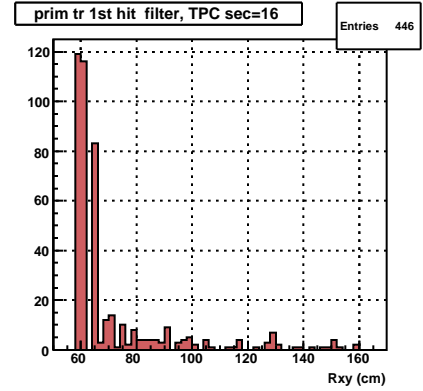
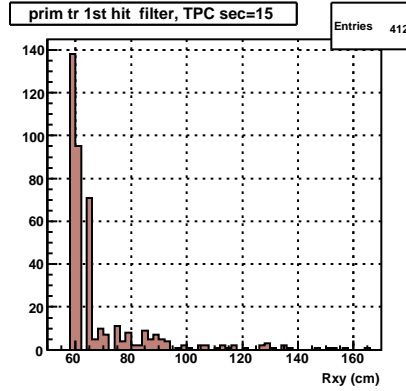
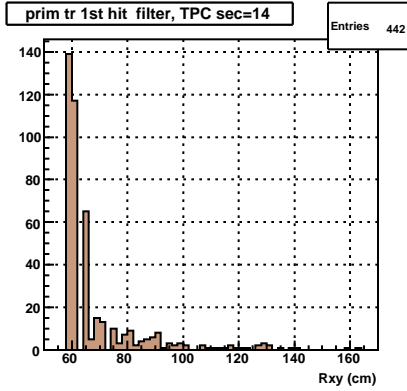
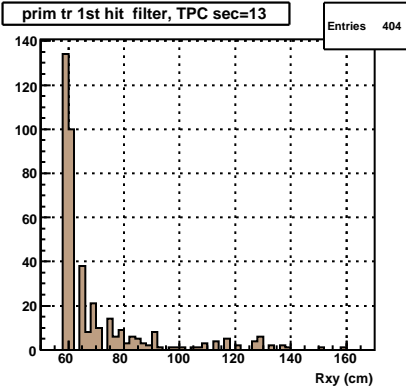


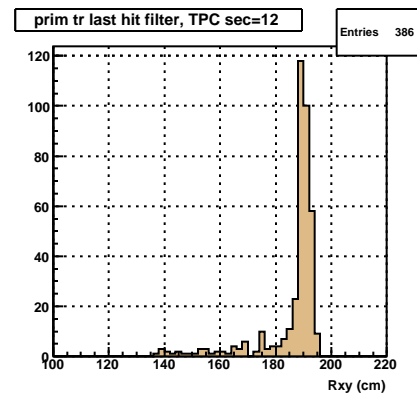
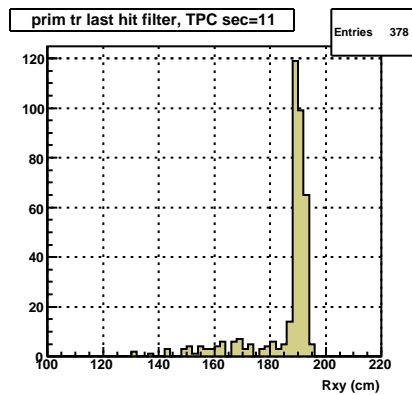
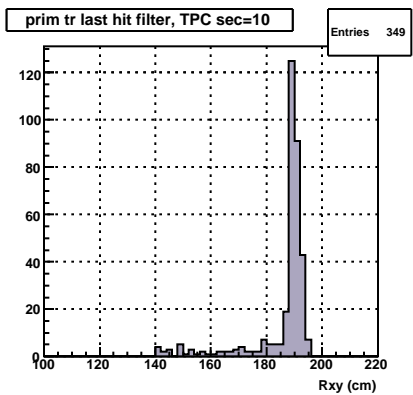
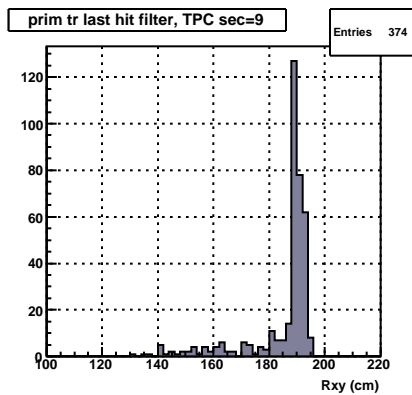
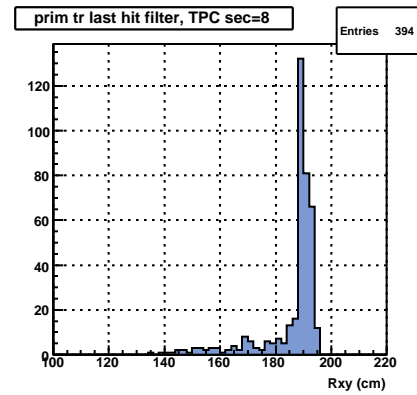
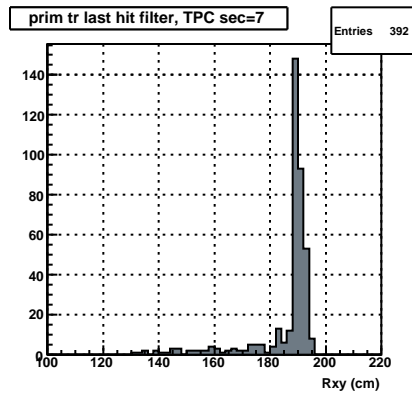
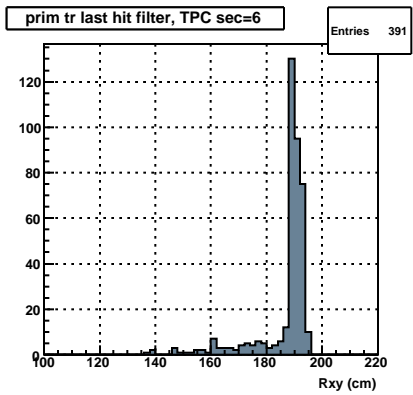
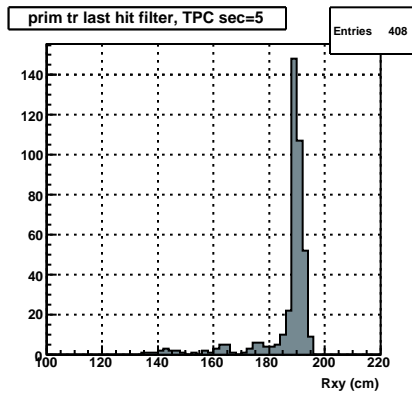
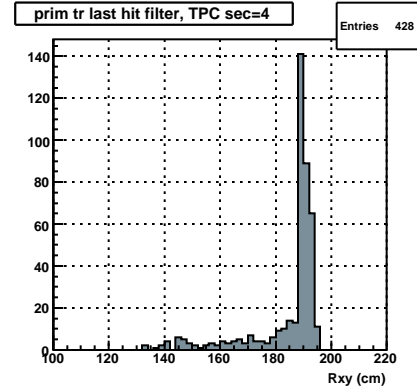
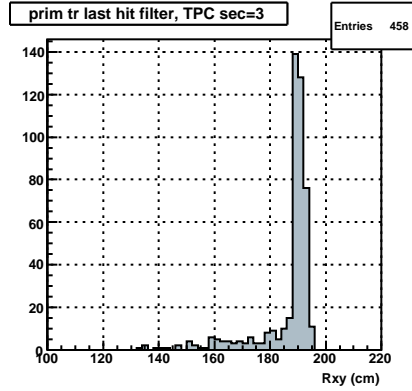
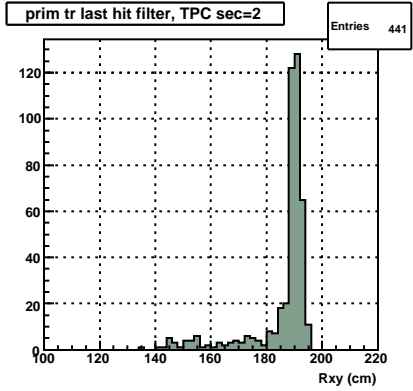
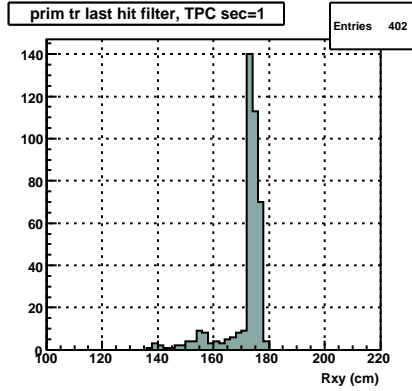
prim tr nFitP, TPC sec=24



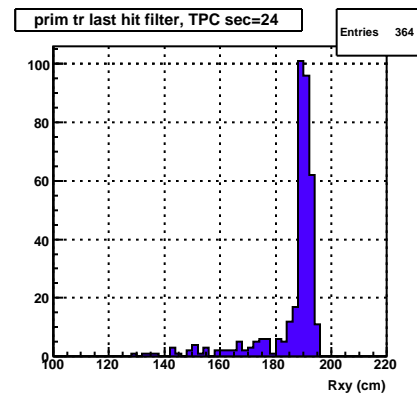
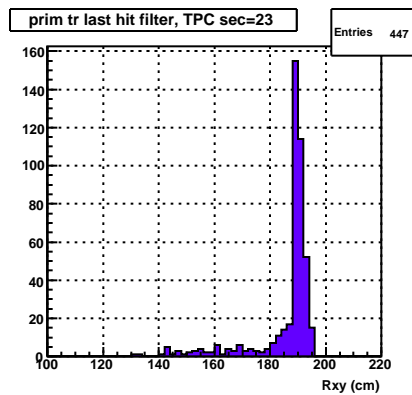
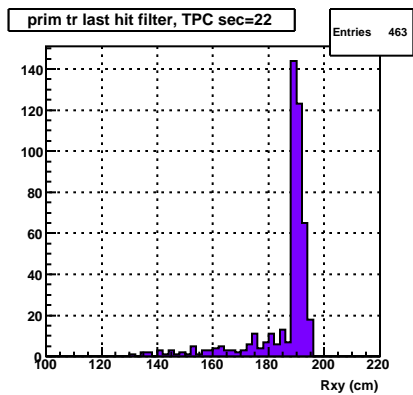
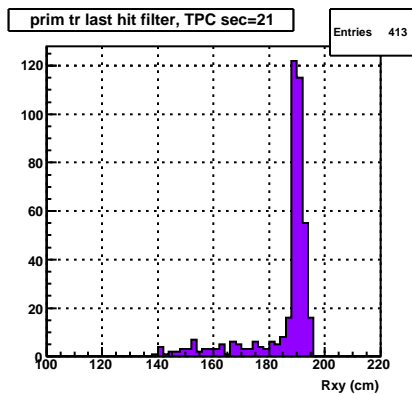
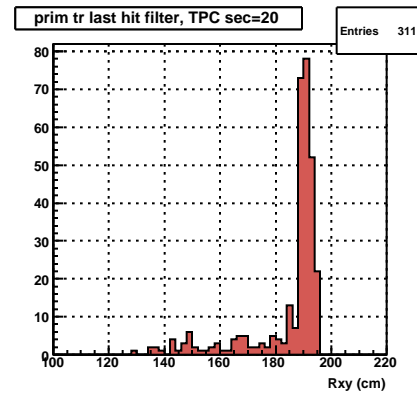
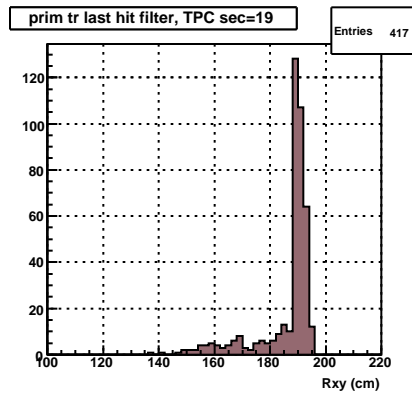
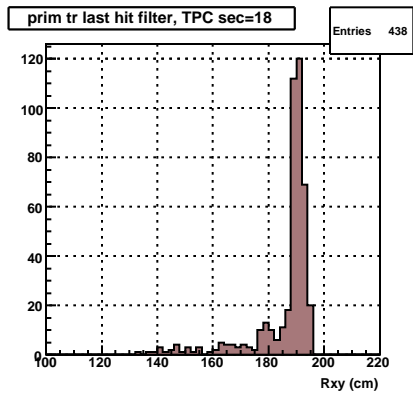
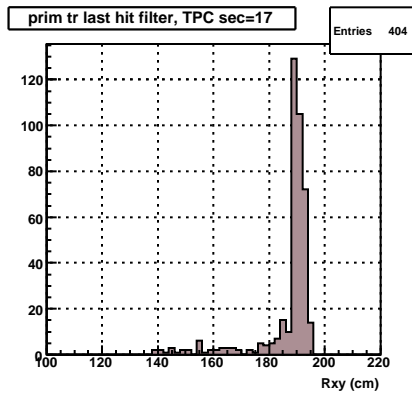
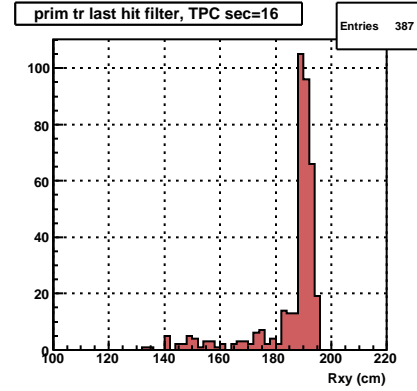
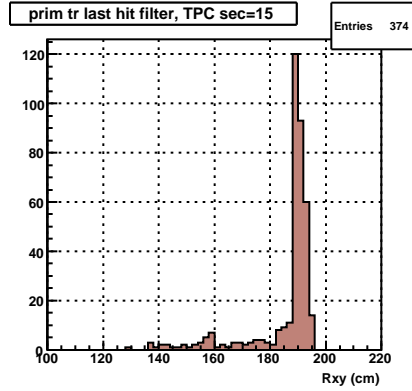
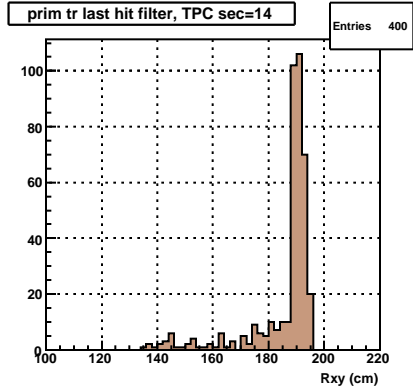
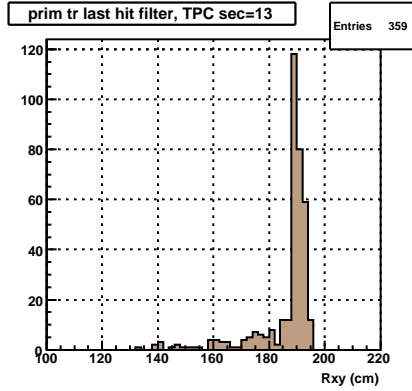




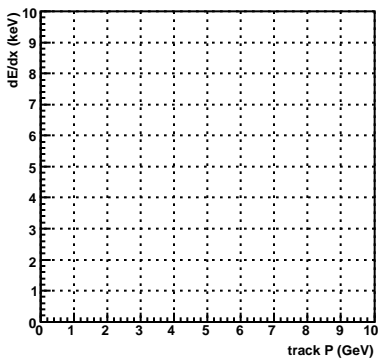




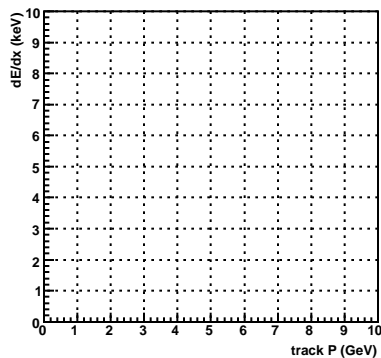
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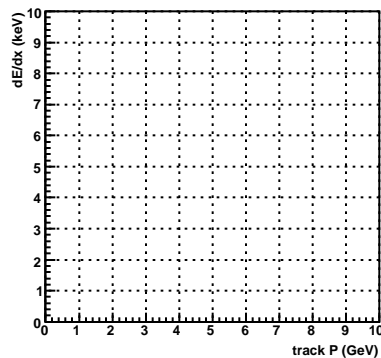
dEdX vs. P, accpted , TPC sec=1 Entries 362



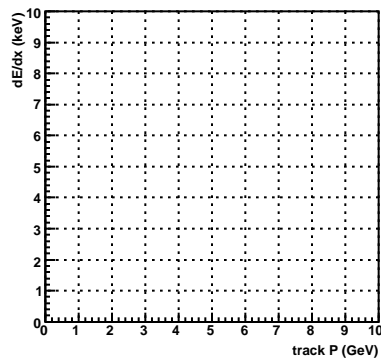
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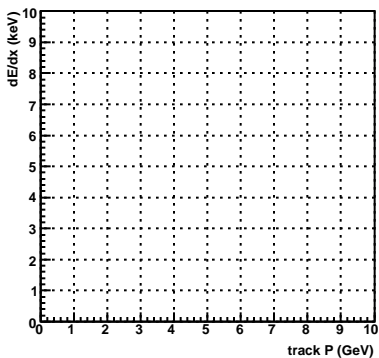
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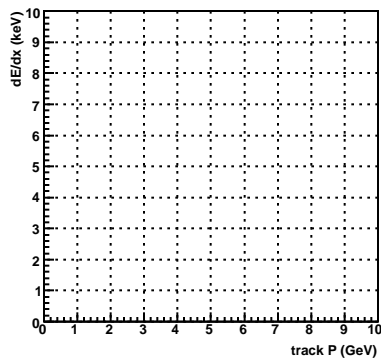
dEdX vs. P, accpted , TPC sec=4 Entries 395



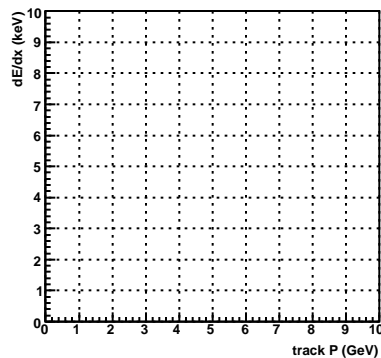
dEdX vs. P, accpted , TPC sec=5 Entries 391



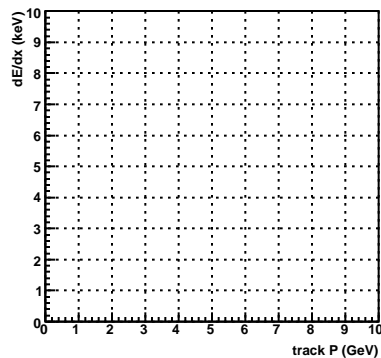
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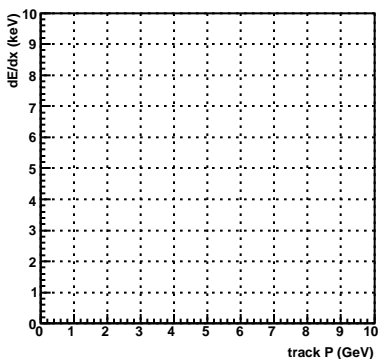
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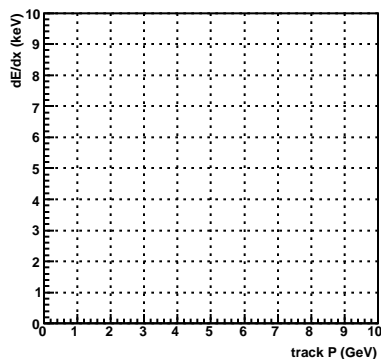
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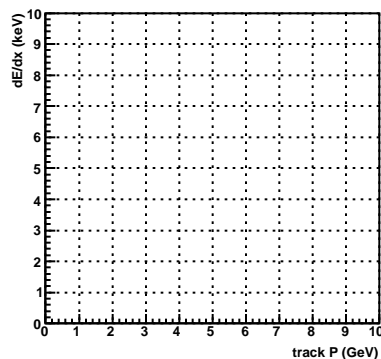
dEdX vs. P, accpted , TPC sec=9 Entries 347



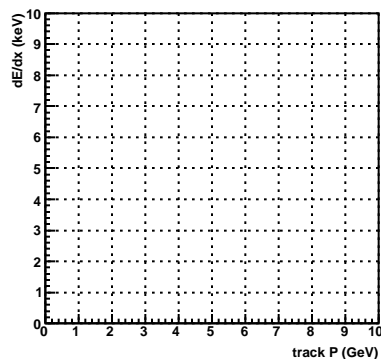
dEdX vs. P, accpted , TPC sec=10 Entries 327



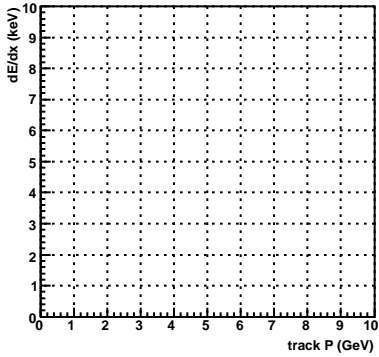
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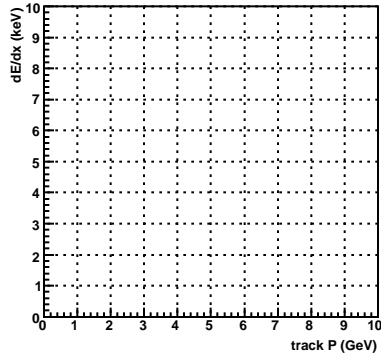
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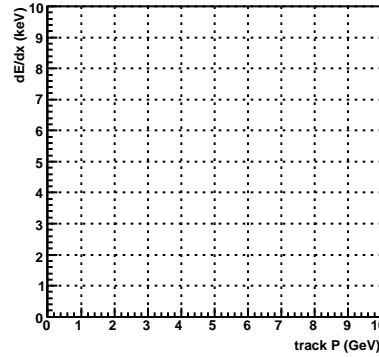
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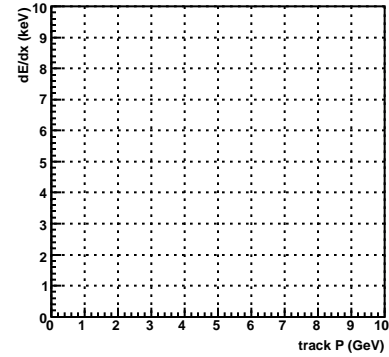
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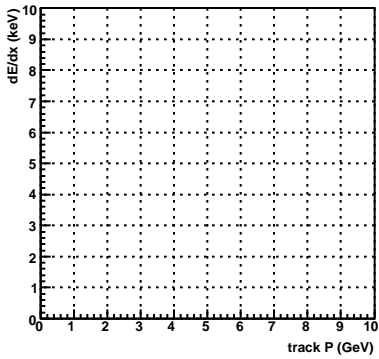
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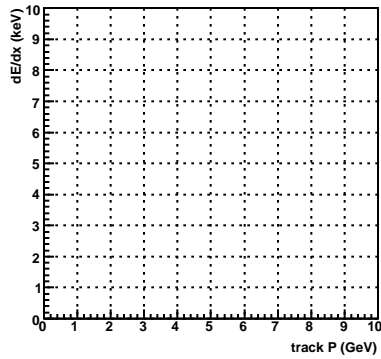
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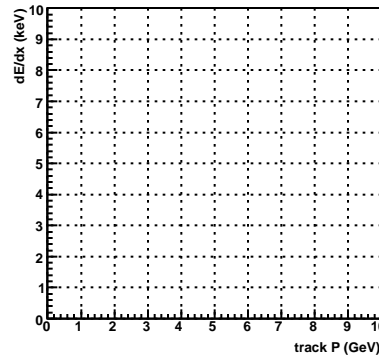
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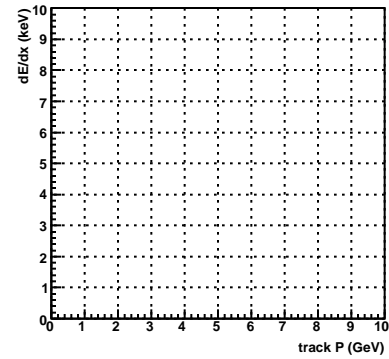
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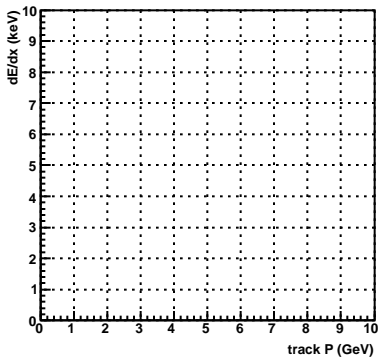
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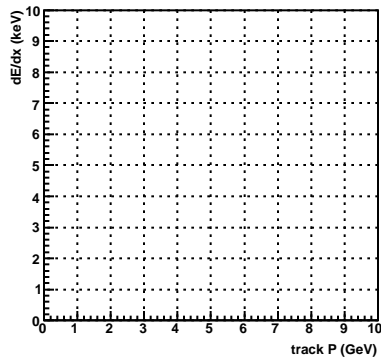
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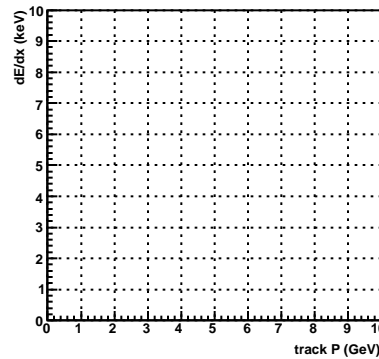
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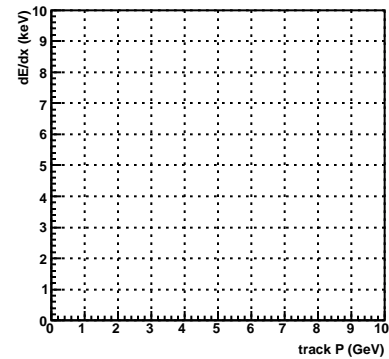
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dEdX vs. P, accpted , TPC sec=23 Entries 421



dEdX vs. P, accpted , TPC sec=24 Entries 344



lastHit on track

Entries 419711

lastHit, accepted, TPC sec=1

Entries 362

