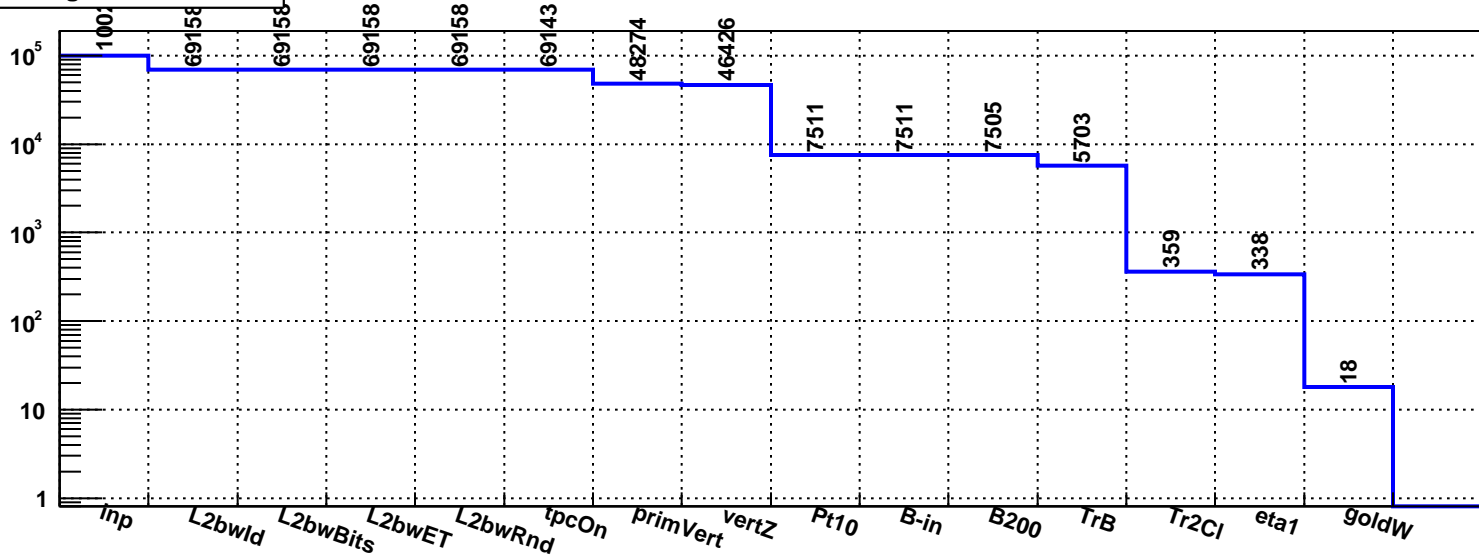
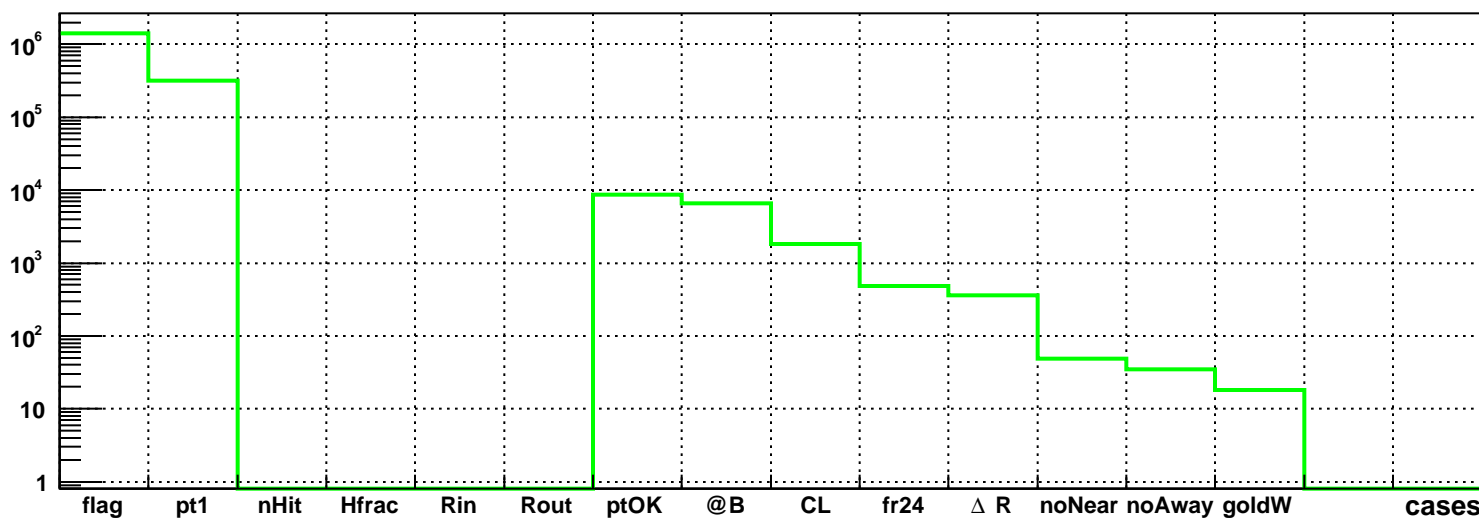


Barrel W-algo: event count

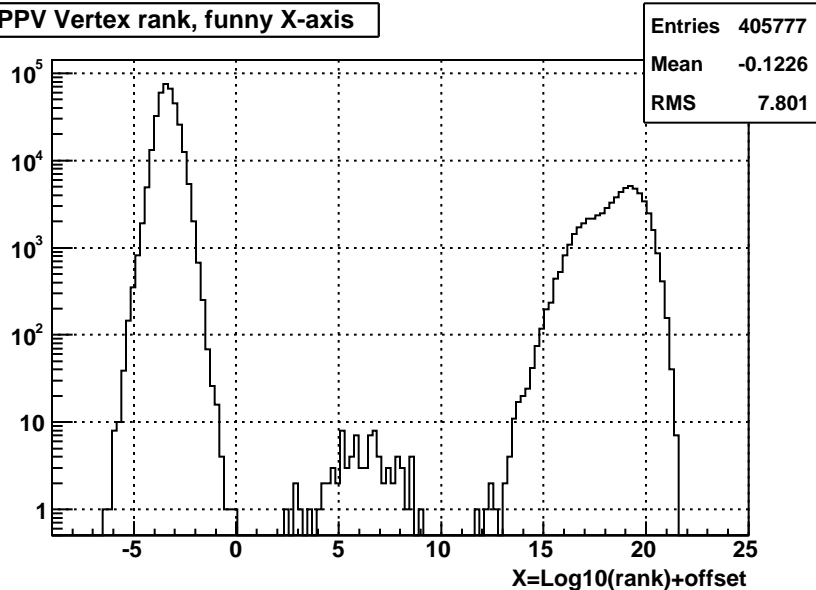


Barrel W-algo: track count

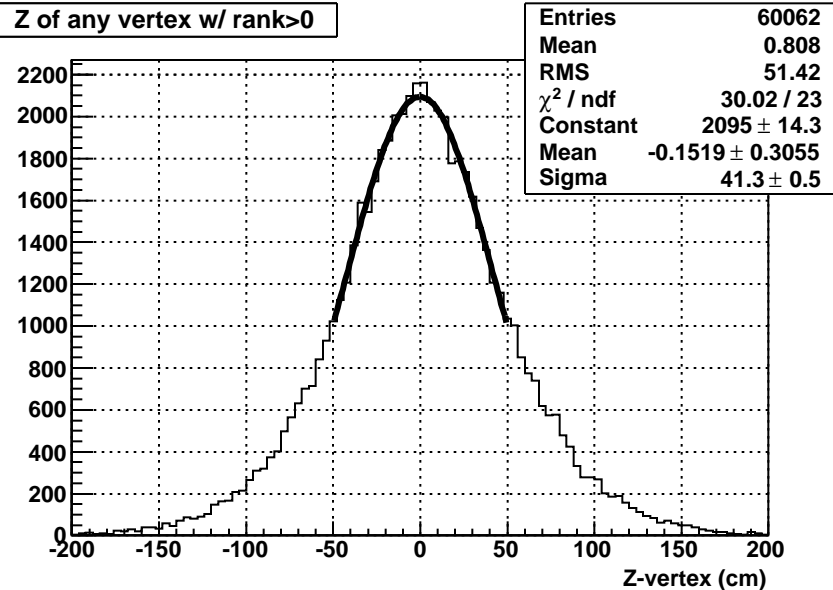


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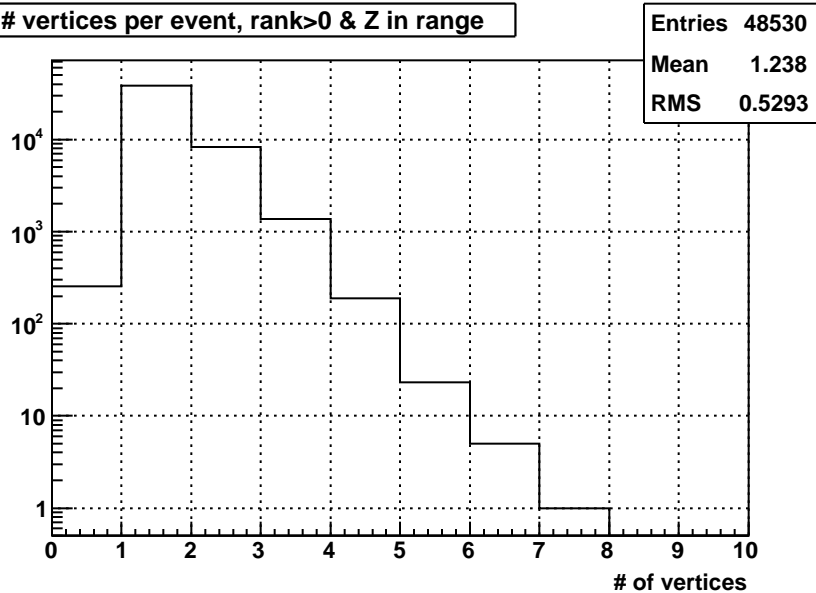
PPV Vertex rank, funny X-axis



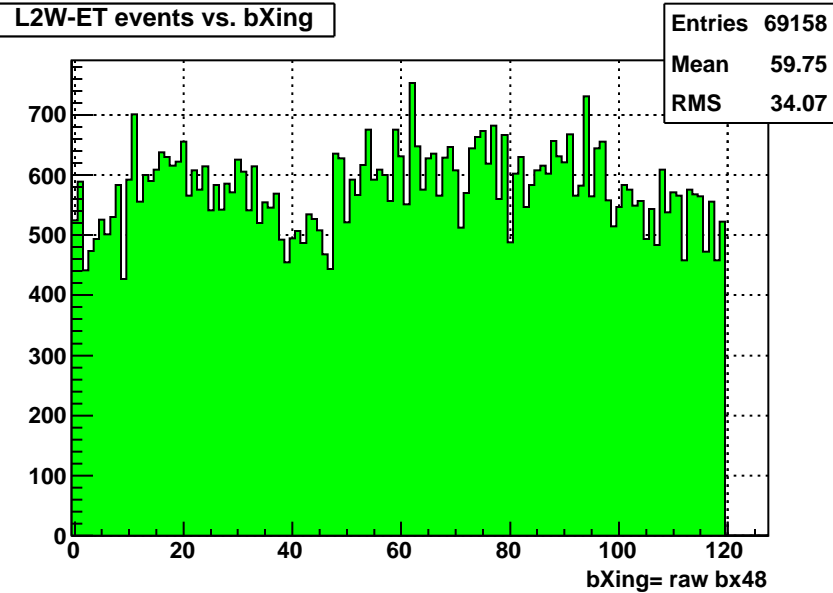
Z of any vertex w/ rank>0



vertices per event, rank>0 & Z in range

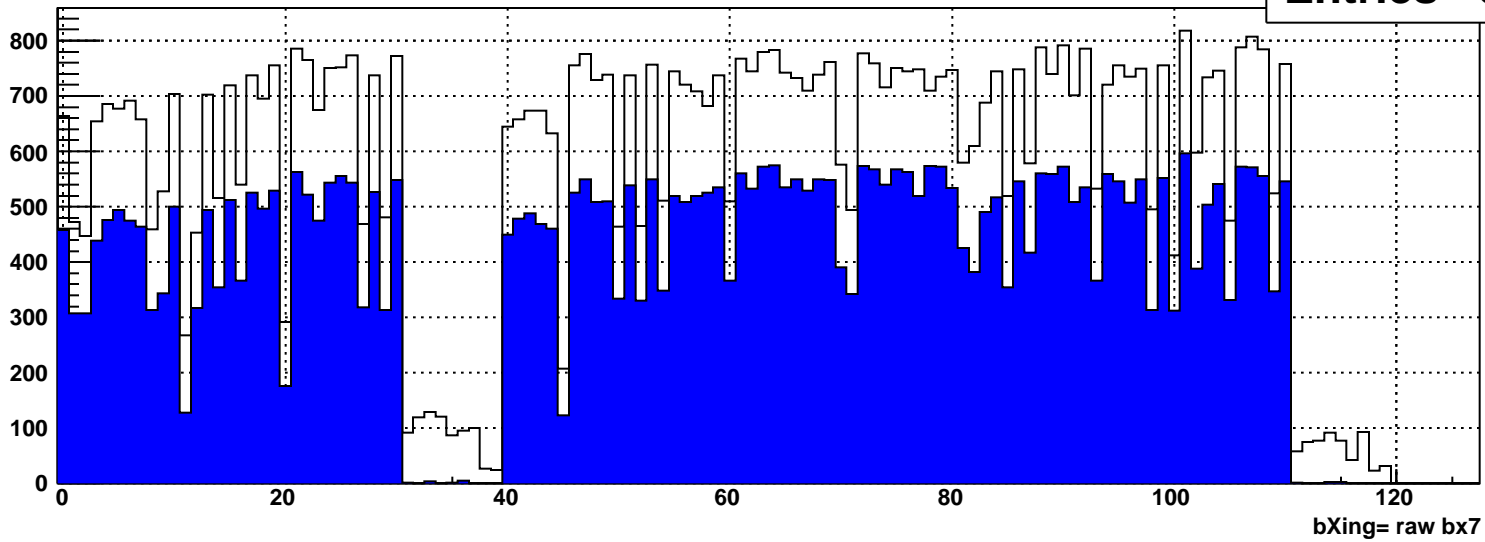


L2W-ET events vs. bXing



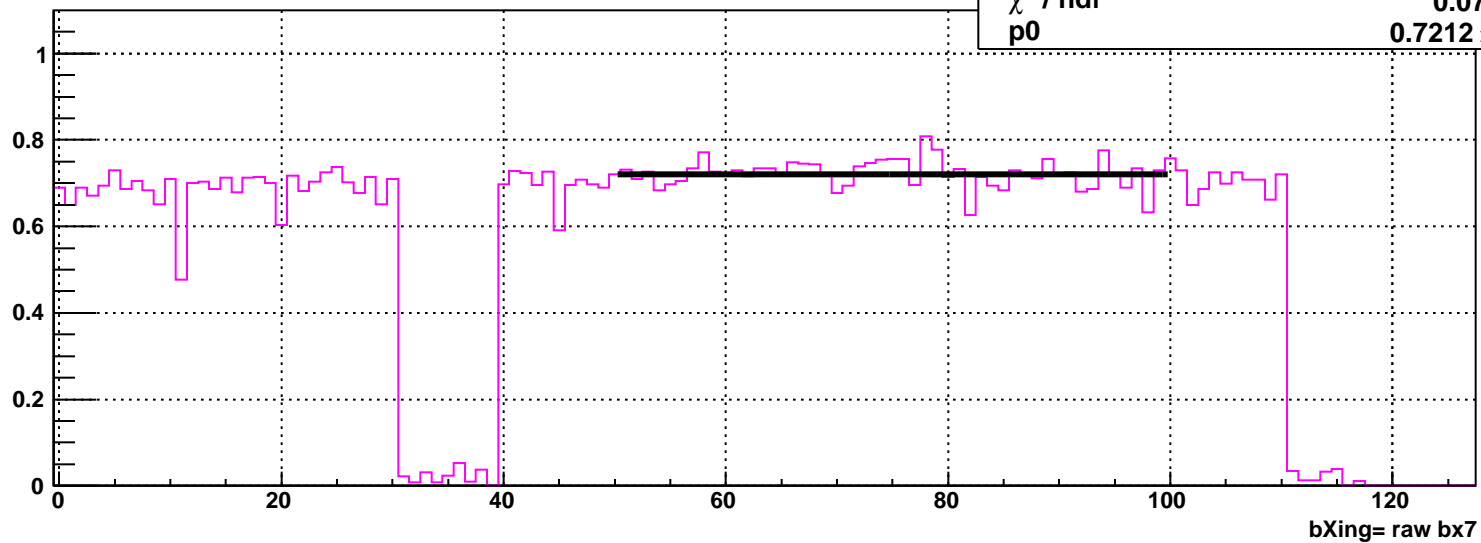
L2W-ET events vs. bXing

Entries 69158

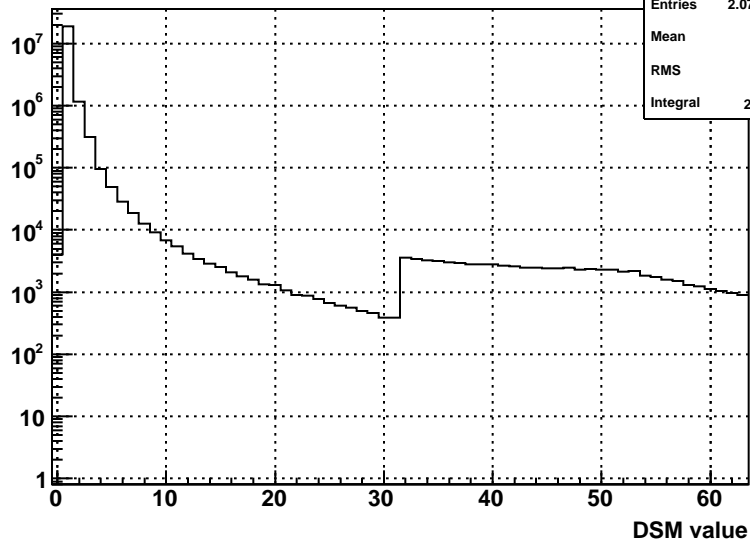


Vertex effi vs. bXing

Entries 48274
 χ^2 / ndf 0.07825 / 50
p0 0.7212 ± 0.1189

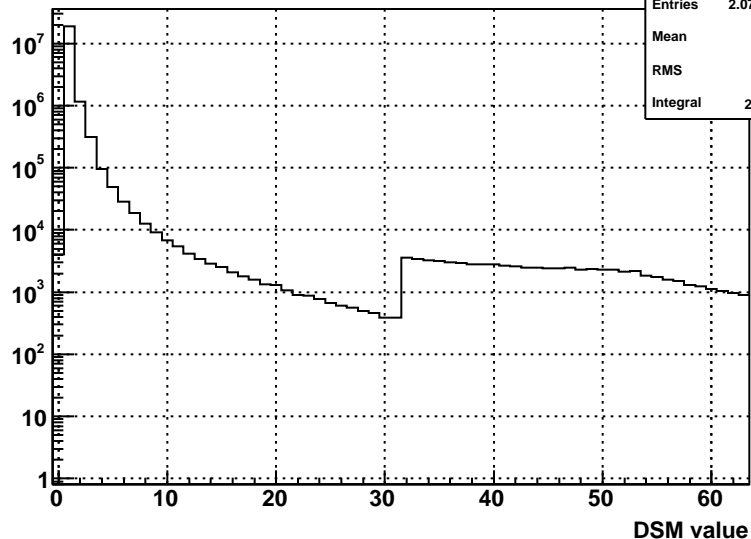


L2W-ET events DMS spectrum



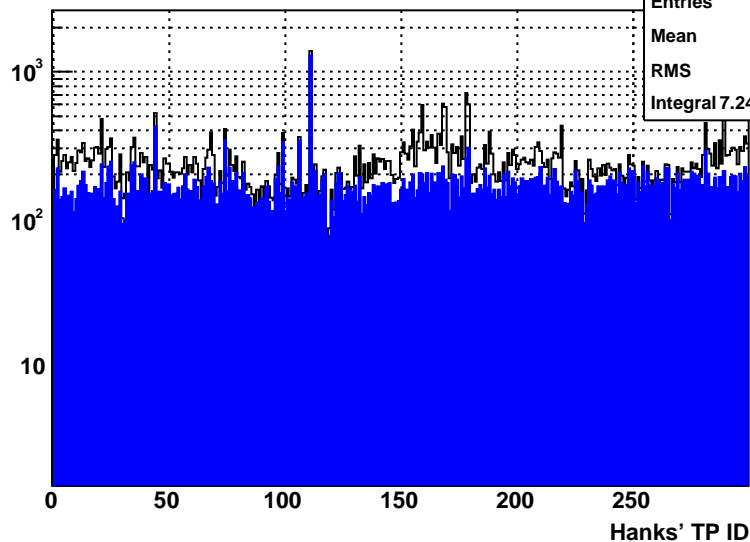
muDsm1	
Entries	2.07474e+07
Mean	1.308
RMS	2.746
Integral	2.075e+07

L2W-Rnd events DMS spectrum



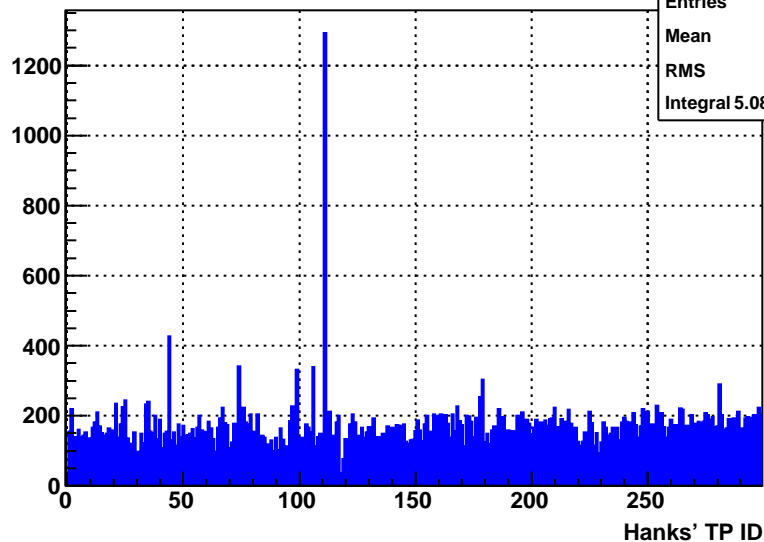
muDsm2	
Entries	2.07474e+07
Mean	1.308
RMS	2.746
Integral	2.075e+07

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



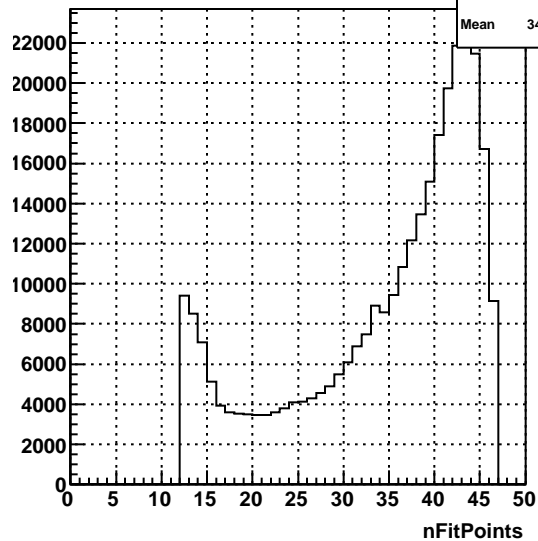
muDsm3	
Entries	72432
Mean	151
RMS	86.81
Integral	7.243e+04

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

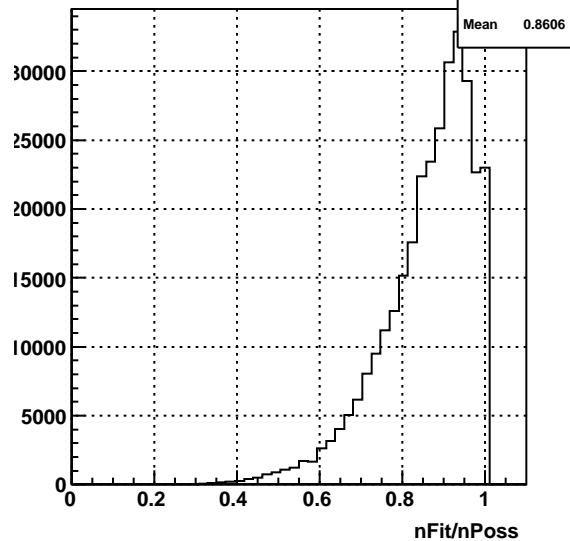


muDsm4	
Entries	50857
Mean	152.5
RMS	86.45
Integral	5.086e+04

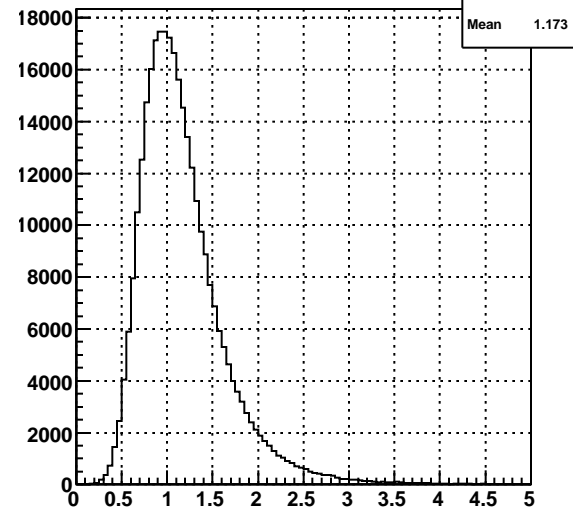
primary track in-selection & vertexZ



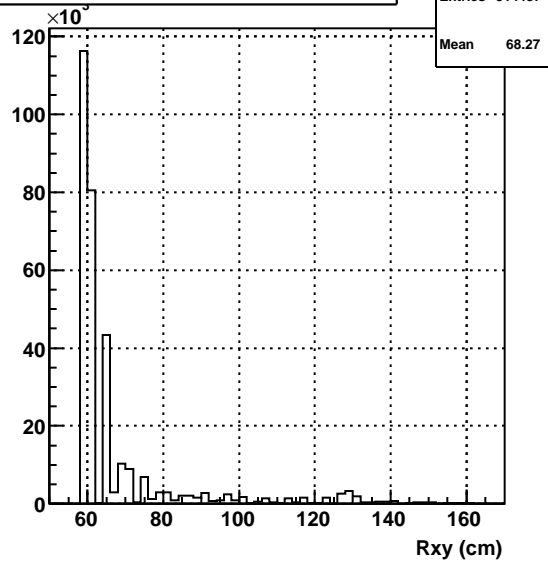
primary track in-selection & vertexZ



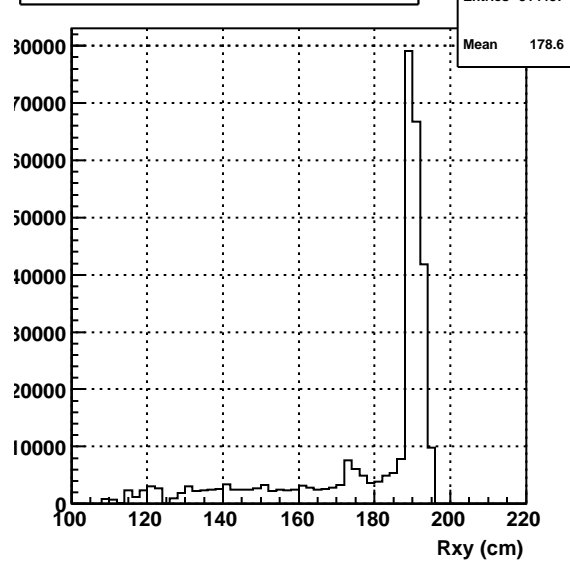
track glob chi2/dof X-Y



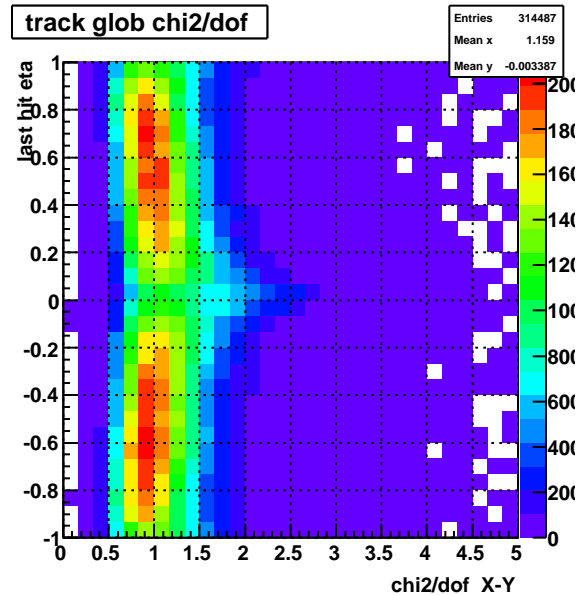
primary track first hit in-selection & vertexZ



primary track last hit in-selection & vertexZ



track glob chi2/dof



lastHit on track

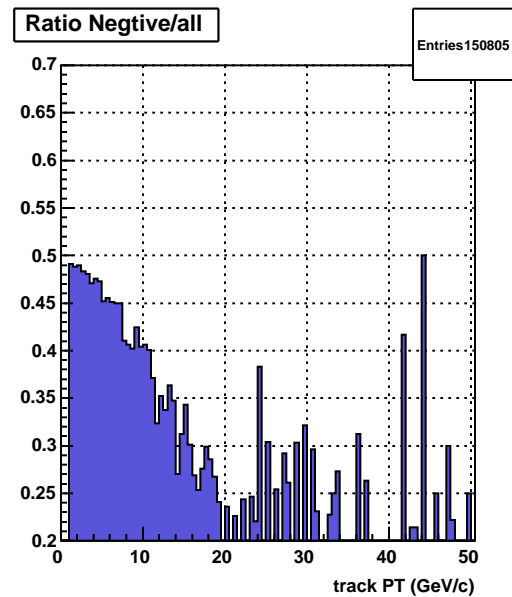
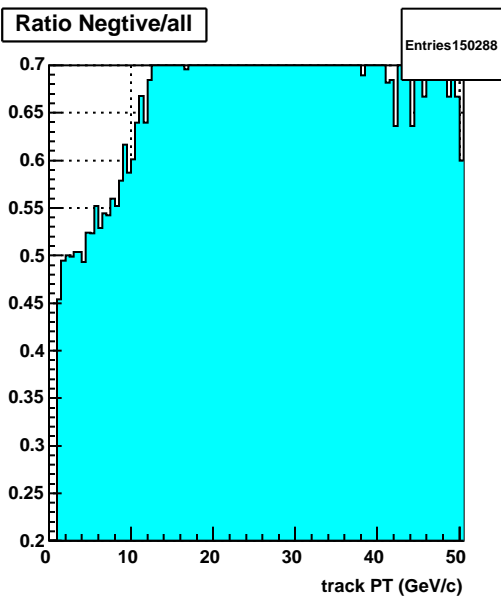
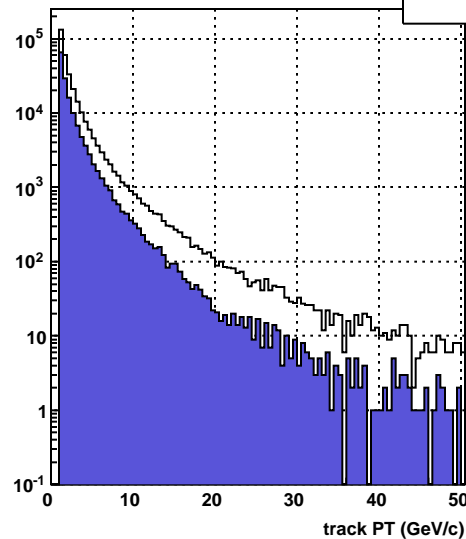
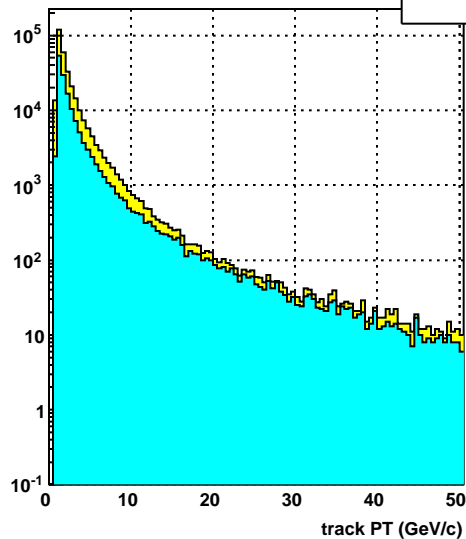
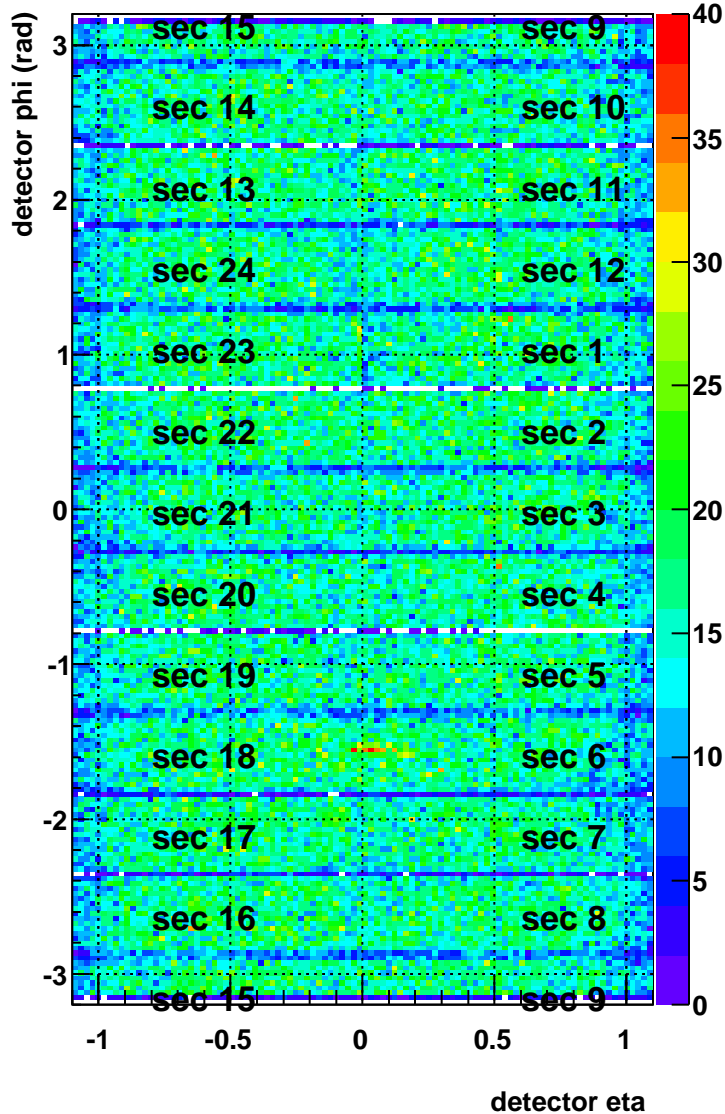
Entries 314487

global track PT

Entries314487

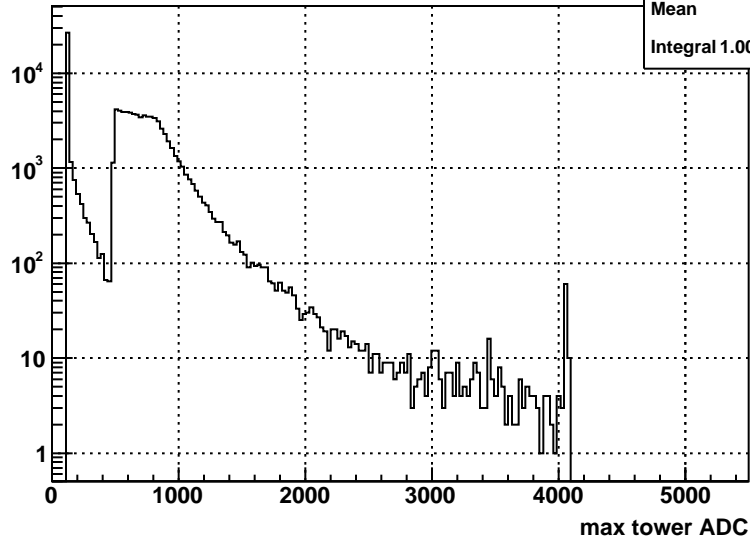
primary track PT

Entries314487



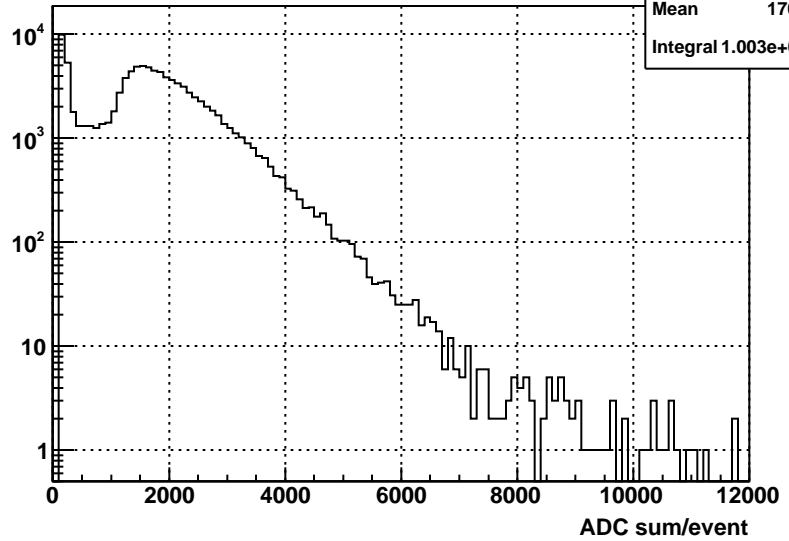
BTOW maxADC in event, in-selection

Entries 100288
 Mean 596
 Integral 1.003e+05



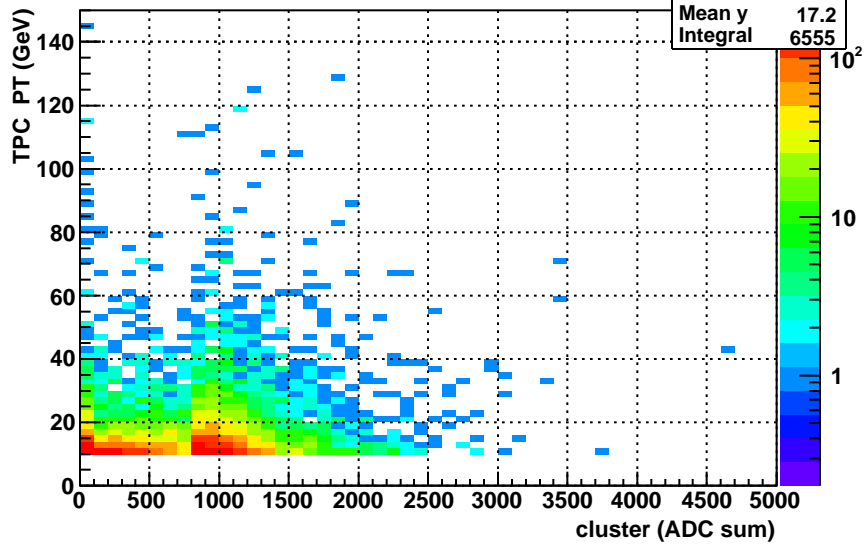
BTOW sum of ADC>thres , in-selection

Entries 100288
 Mean 1703
 Integral 1.003e+05



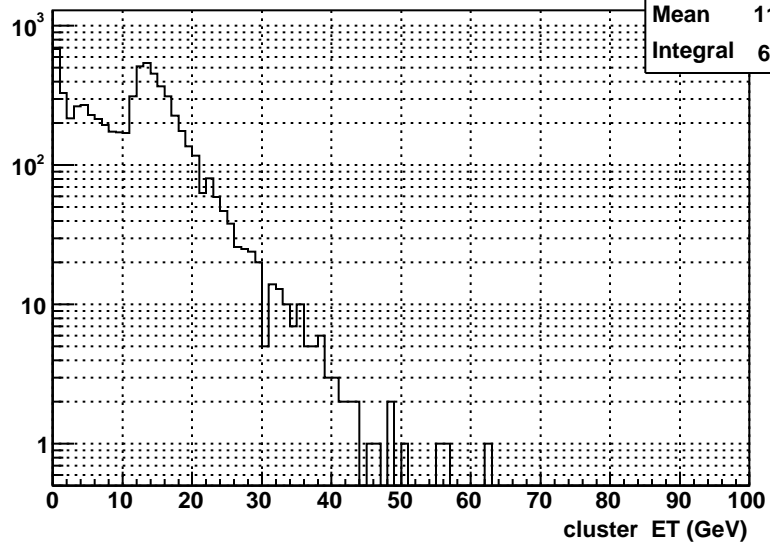
matched TPC PT vs. 2x2 cluster ADC sum

Entries 6564
 Mean x 757.1
 Mean y 17.2
 Integral 6555



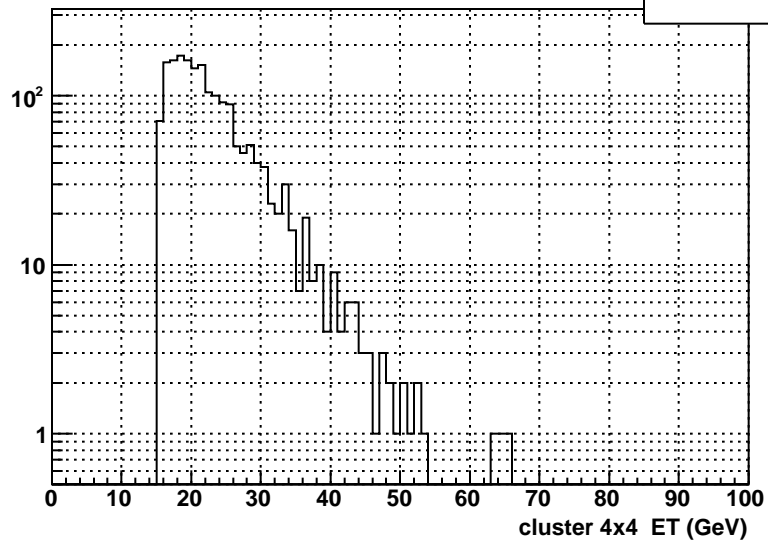
matched BTOW 2x2 cluster ET

Entries 6564
 Mean 11.03
 Integral 6564



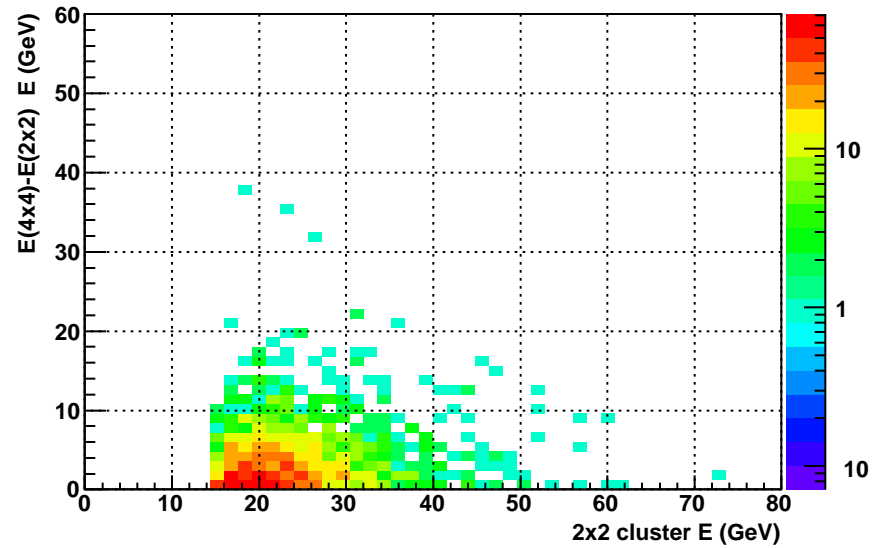
matched BTOW 4x4 cluster ET

Entries 1815



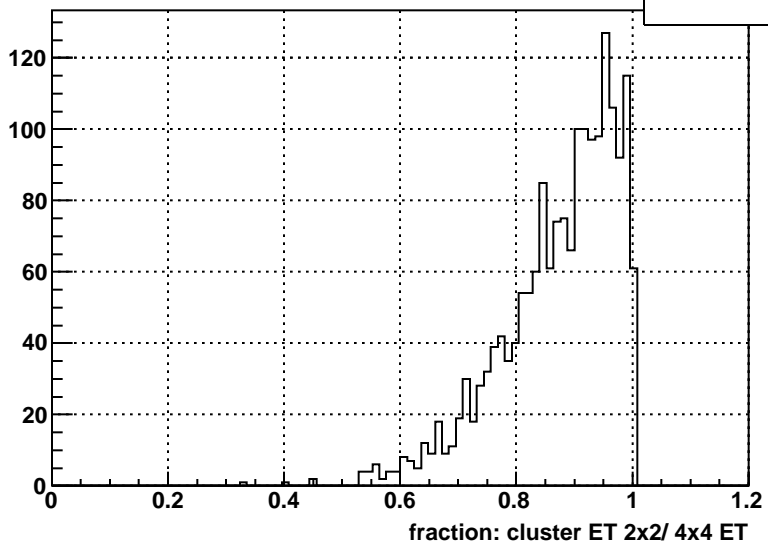
Excess energy in 4x4 cluster vs. 2x2 E

Entries 1815



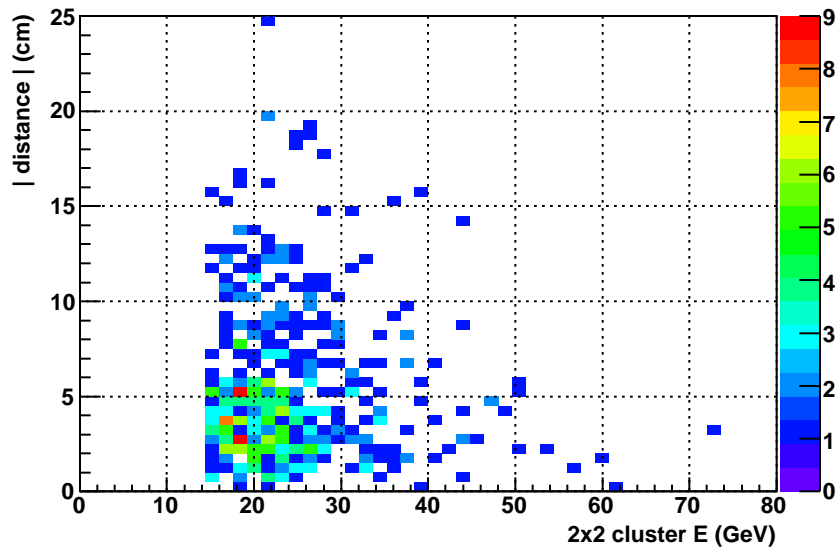
ratio (2x2/4x4) cluster ET

Entries 1815



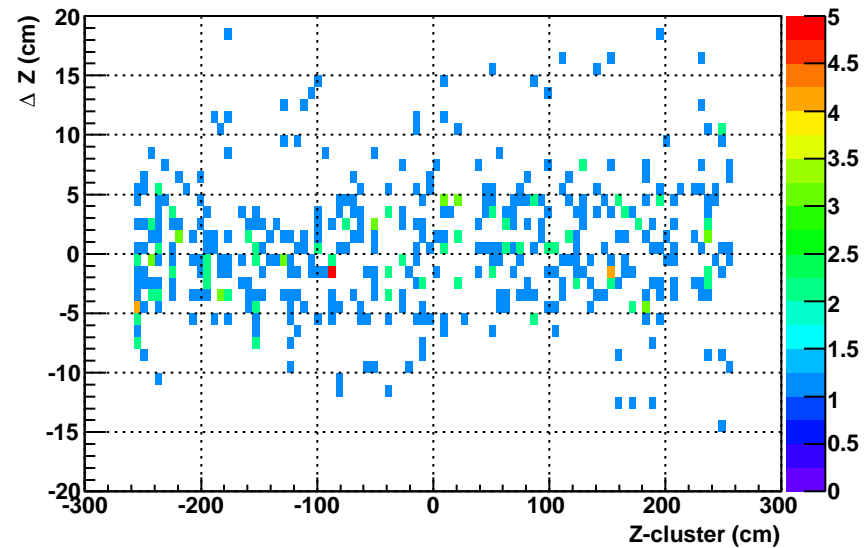
3D Distance(track-cluster) vs. 2x2 E

Entries 481



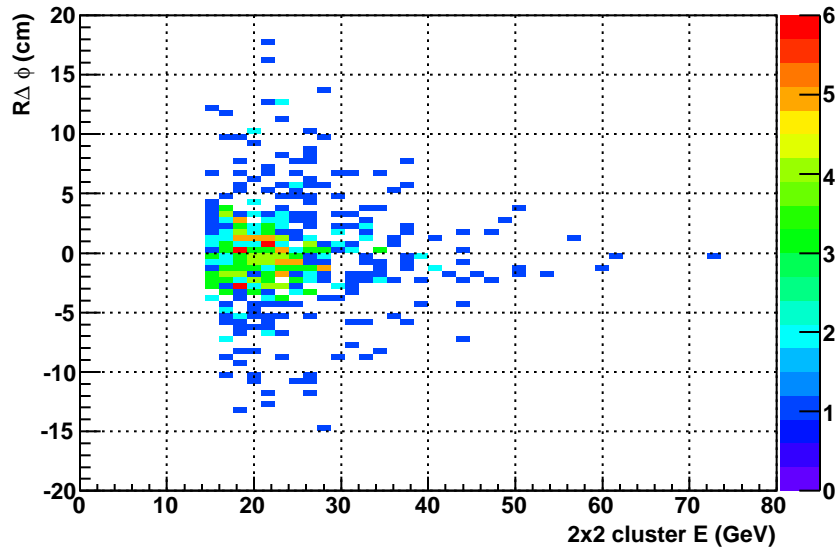
ΔZ (track-cluster) vs. Z-clust

Entries 481



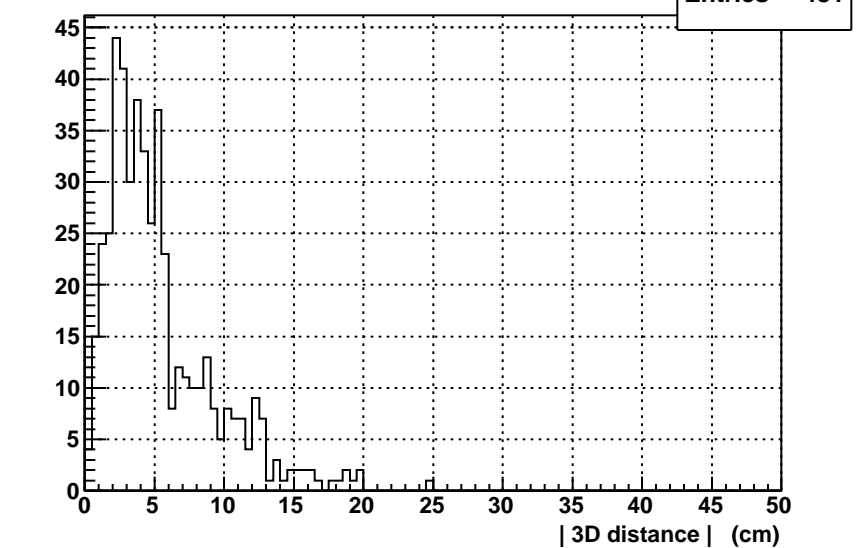
$R\Delta\phi$ (track-cluster) vs. 2x2 E

Entries 481



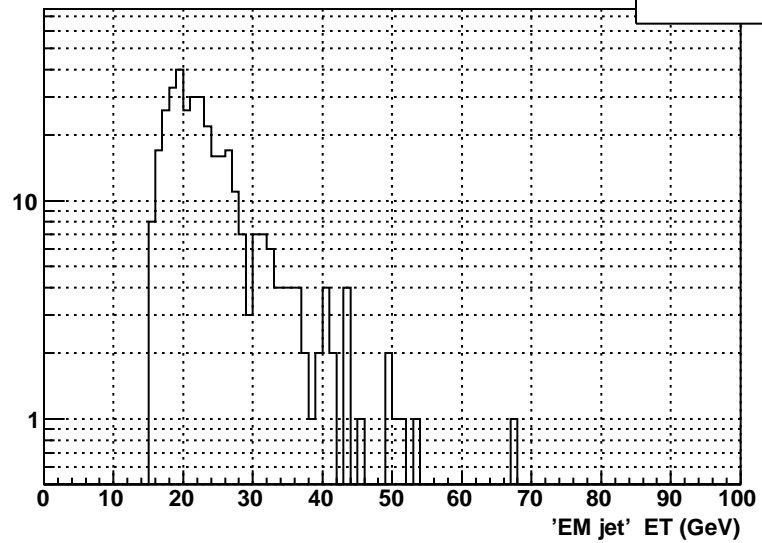
3D Distance(track-cluster) vs. 2x2 E

Entries 481



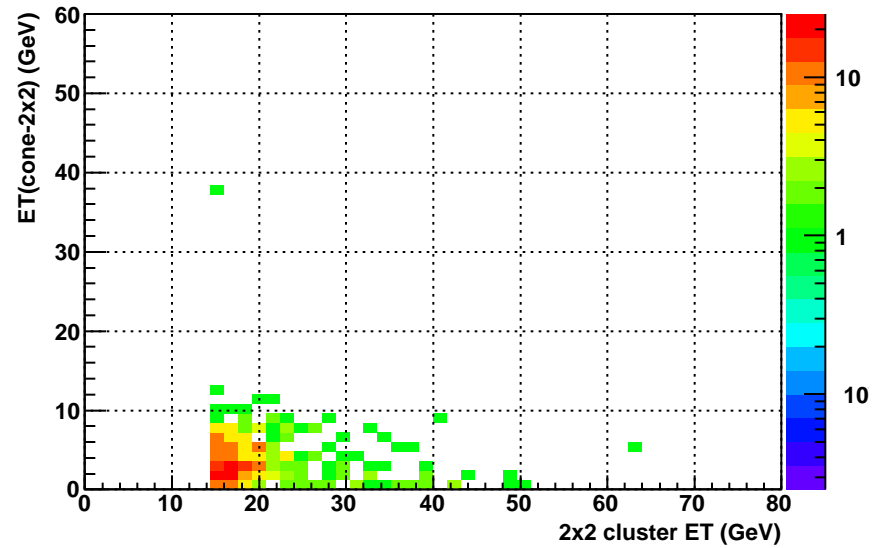
near 'EM jet' ET

Entries 360



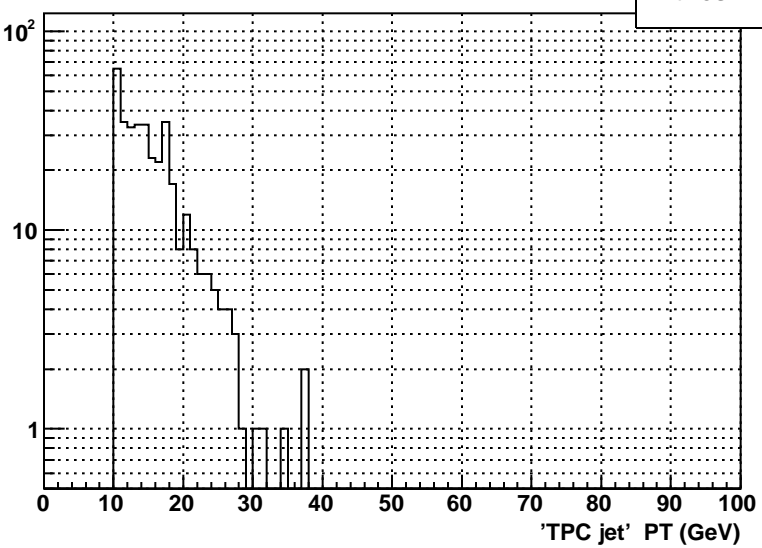
Excess nearCone ET vs. 2x2 E

Entries 360



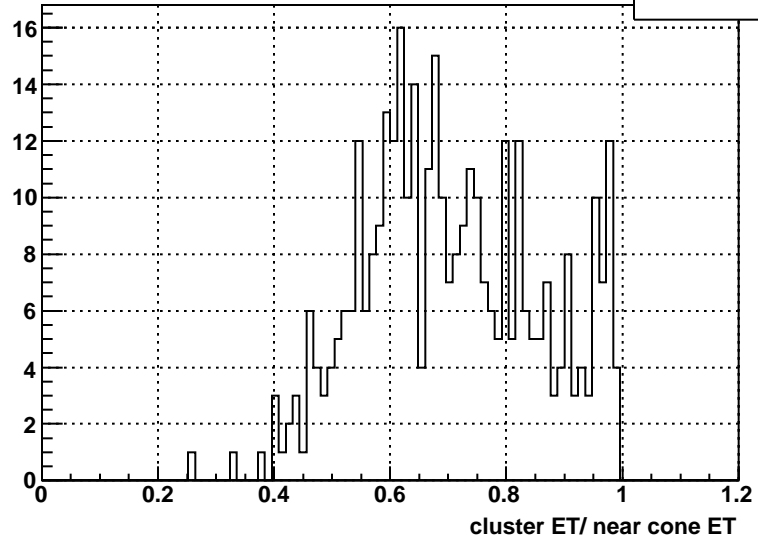
quenched near 'TPC jet' PT

Entries 360



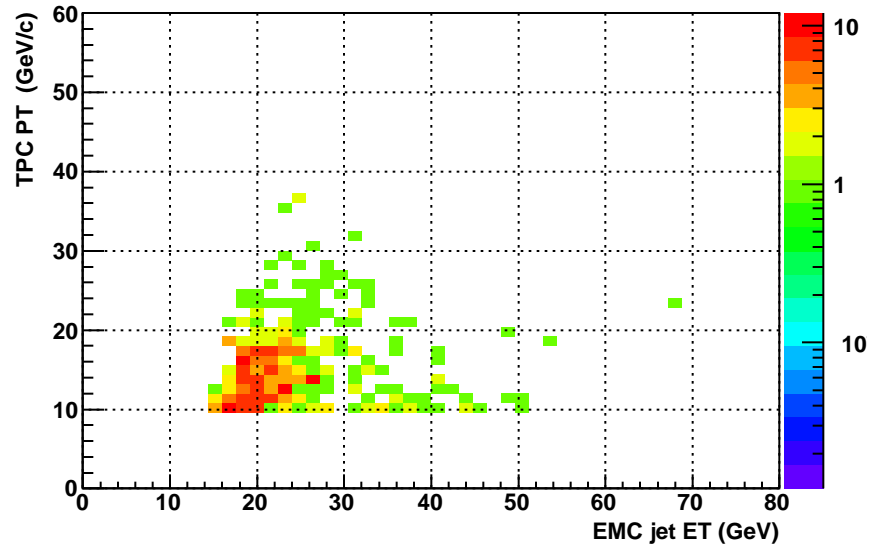
ratio (2x2/nearCone) ET

Entries 360



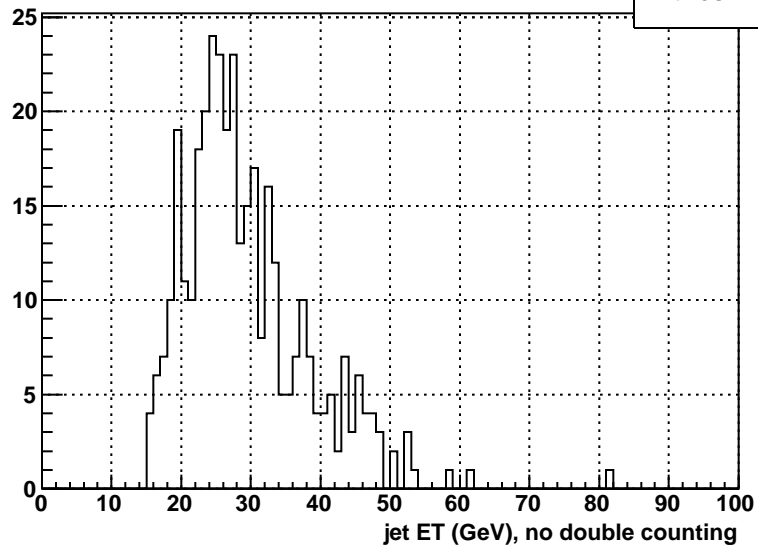
quenched near 'TPC jet' vs. near 'EMC jet'

Entries 360



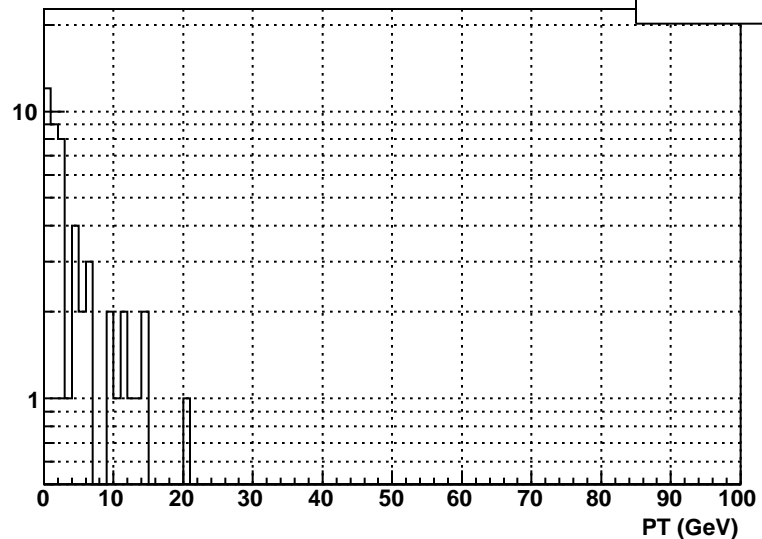
near 'TPC+EMC jet' ET

Entries 360



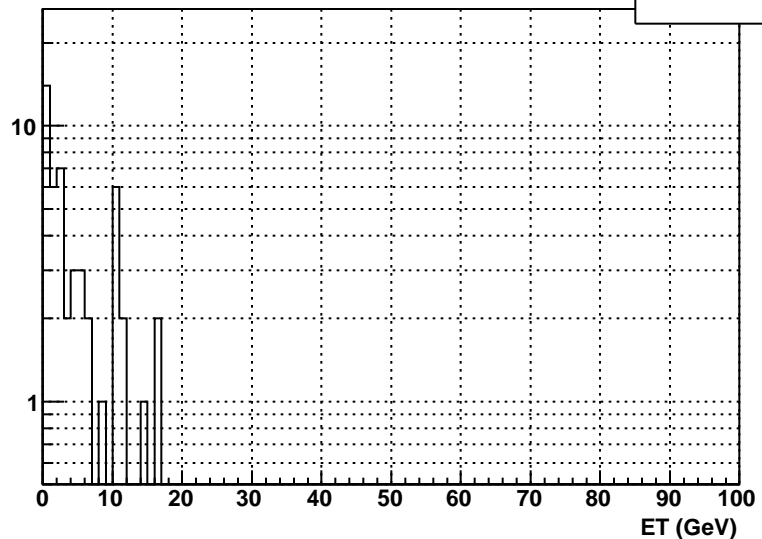
TPC away-cone PT sum

Entries 49



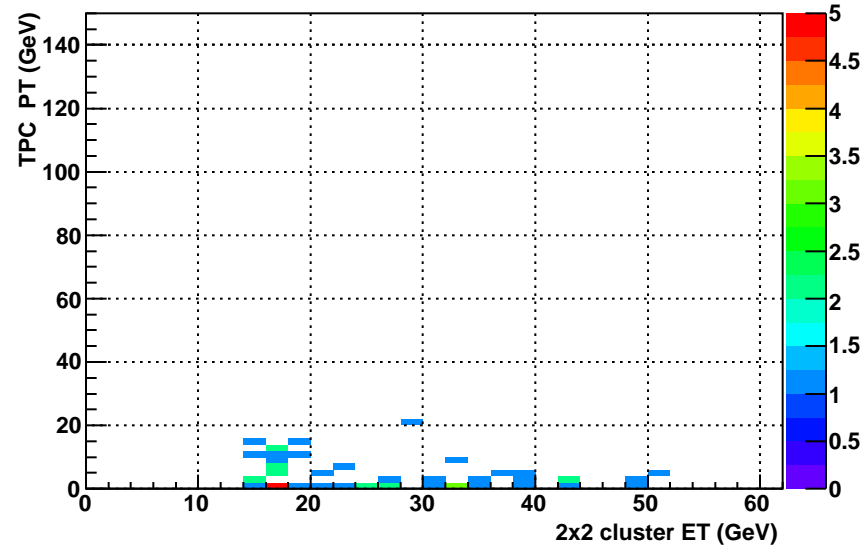
BTOW away-cone ET sum

Entries 49



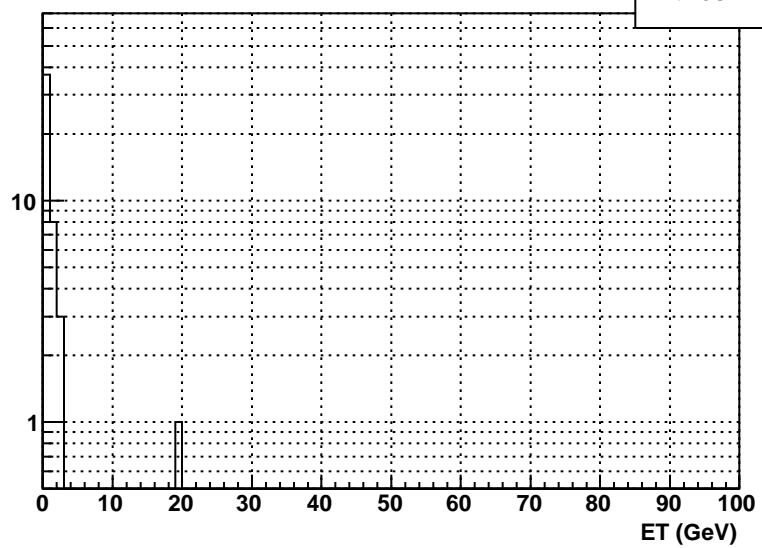
TPC PT vs. isolated cluster 2x2 ET, matched

Entries 49



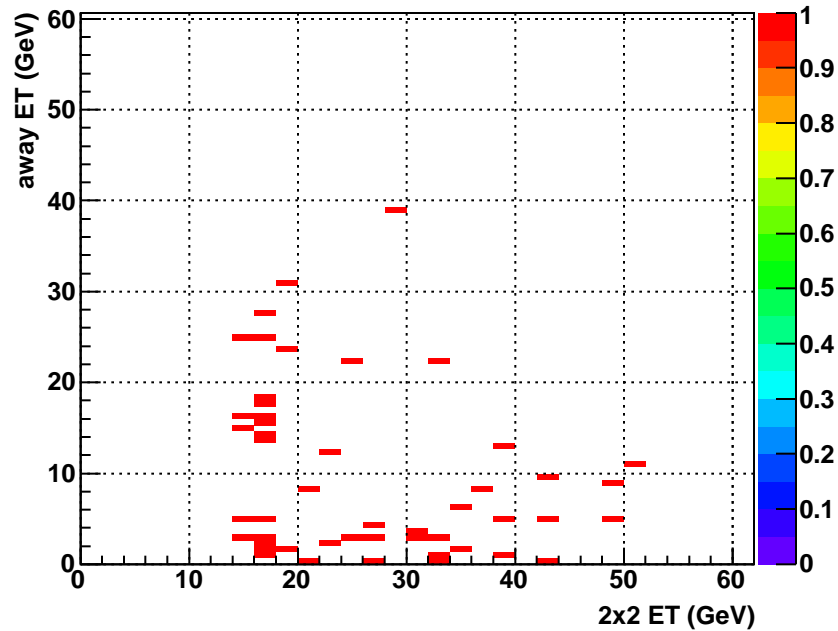
ETOW away-cone ET sum

Entries 49



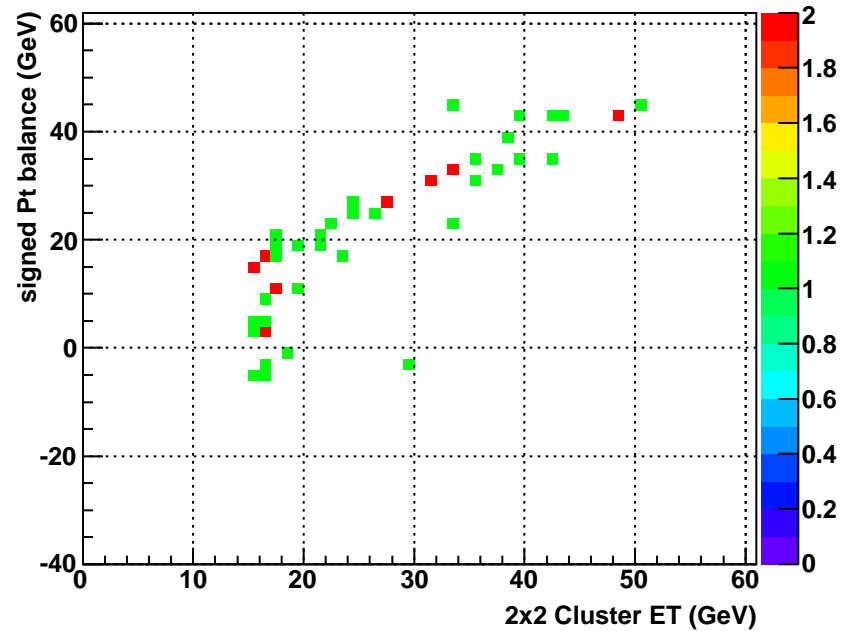
away TPC+EMC ET sum vs. 2x2 cluster ET

Entries 49



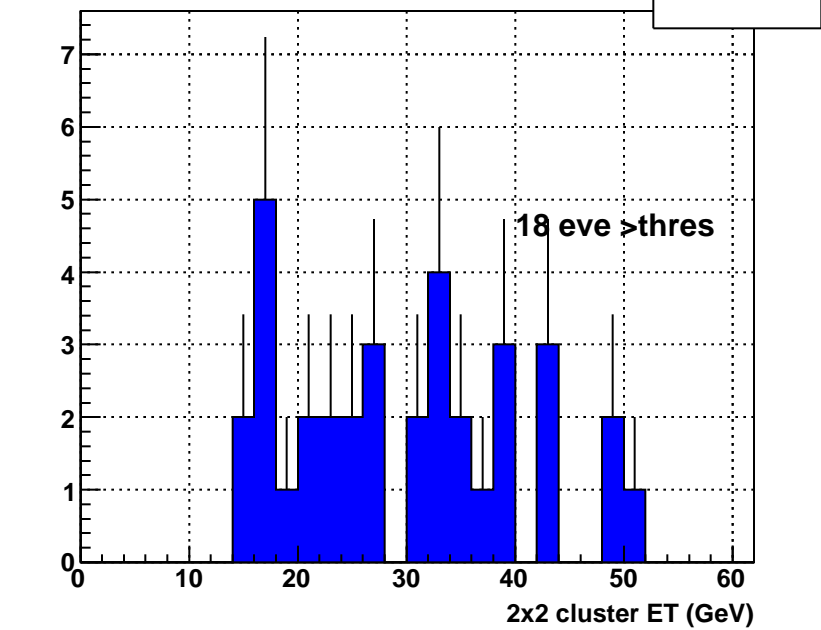
sPtBalance vs cluster ET

Entries 49



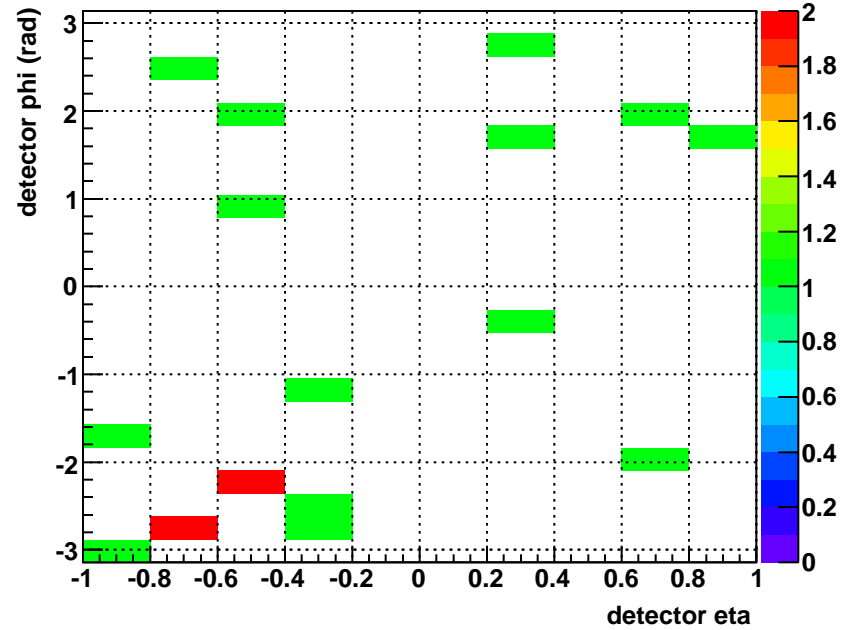
Final selection

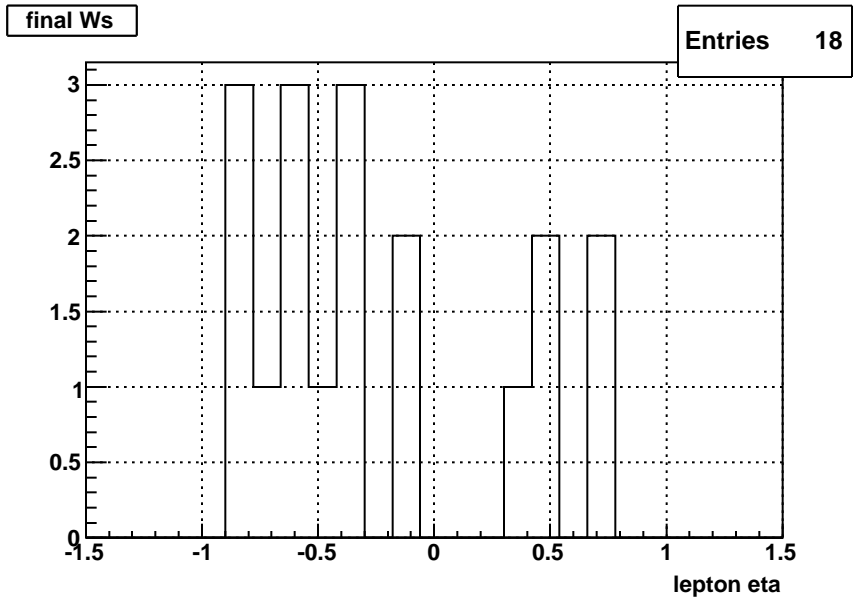
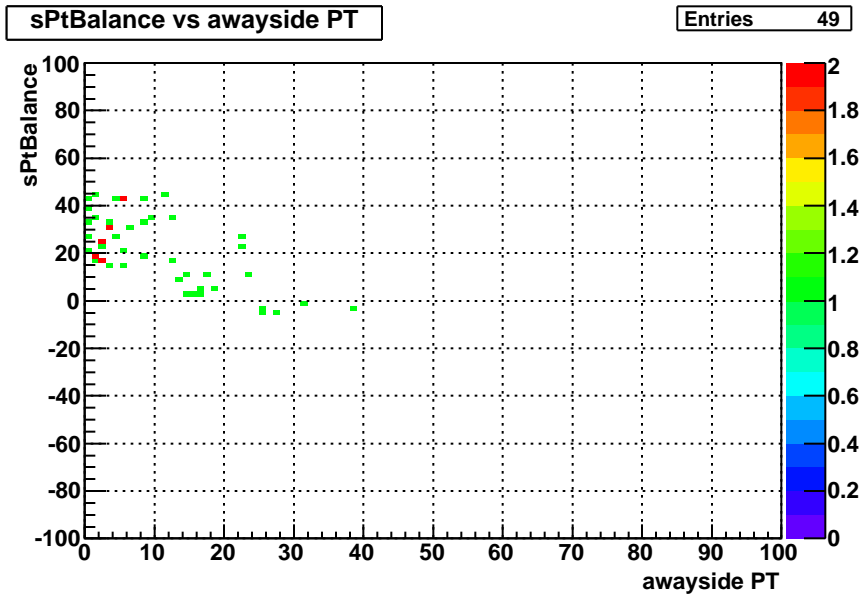
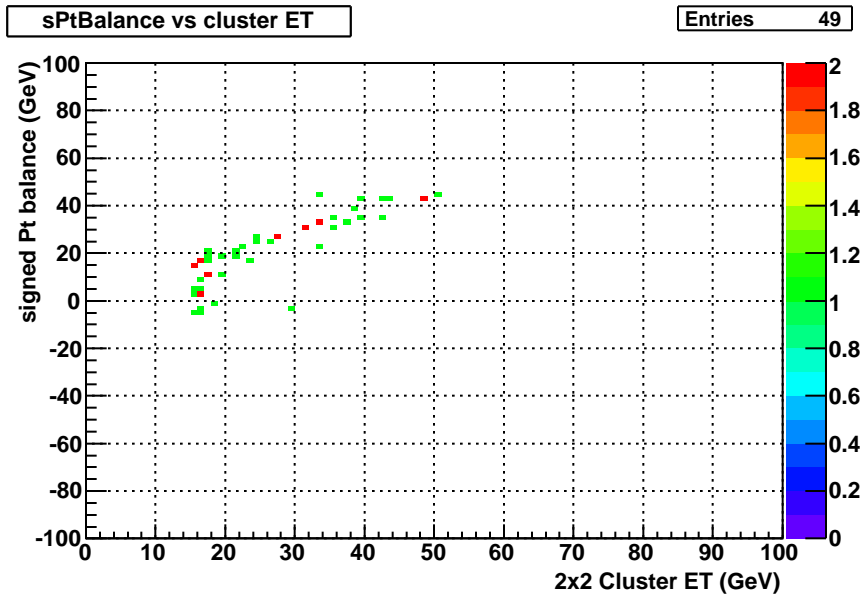
Entries 35



Final W selection, ET>28 GeV 'goldenW'

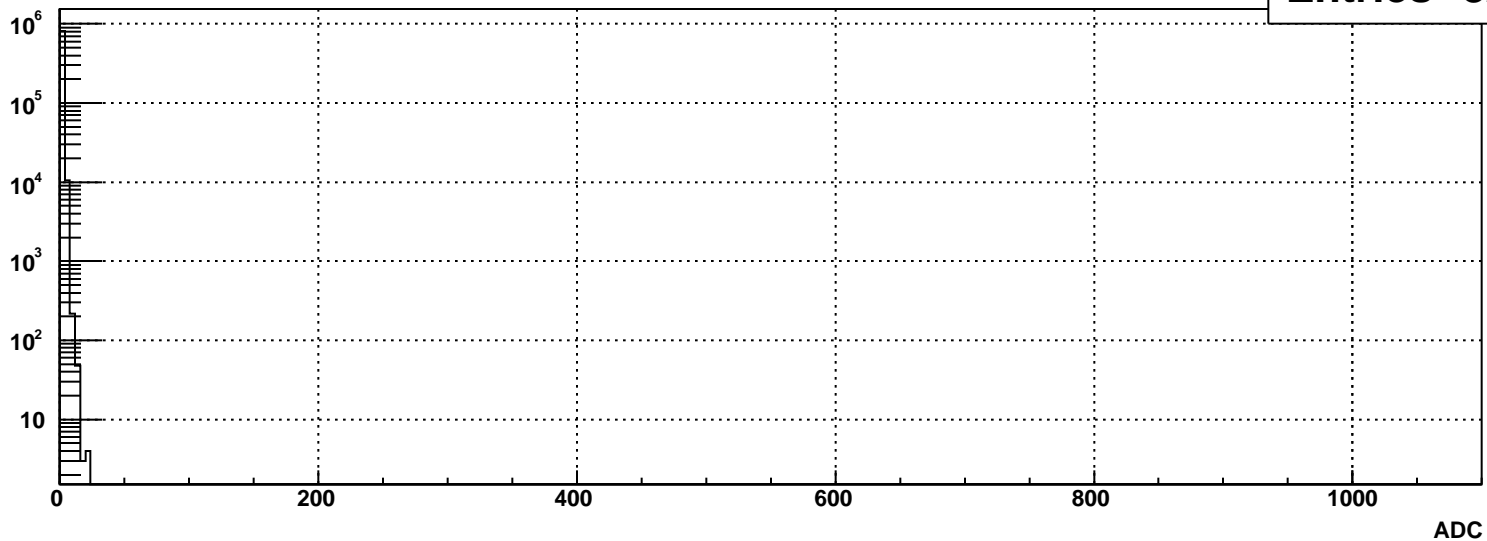
Entries 18





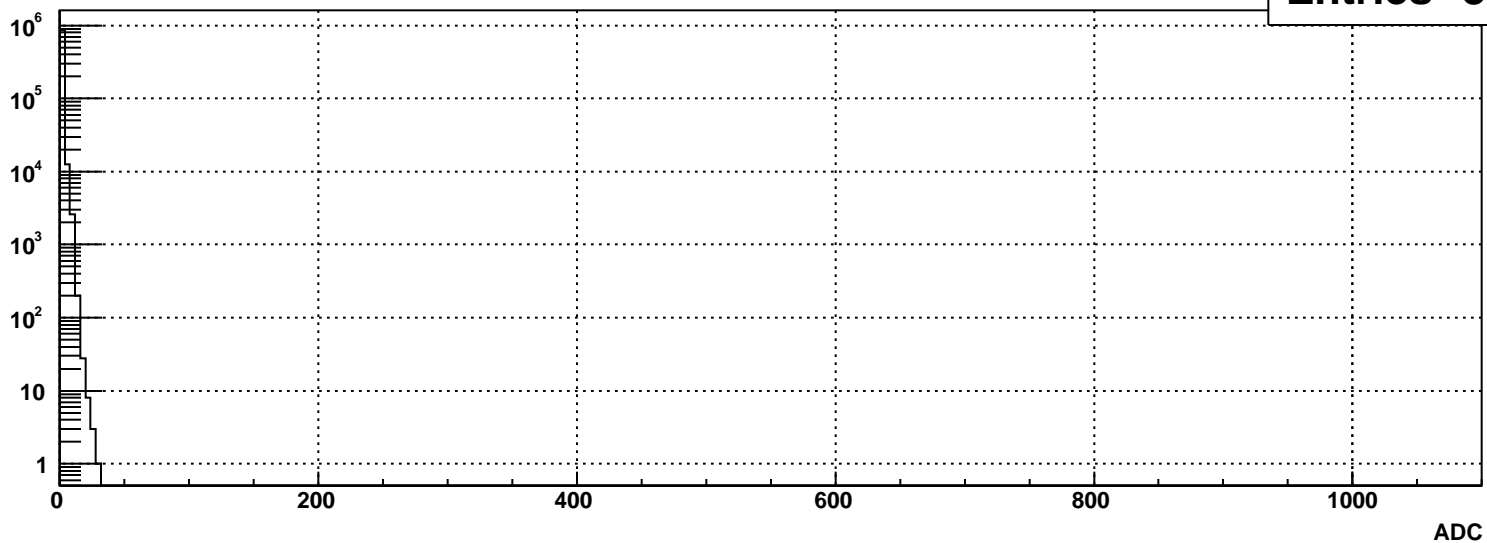
BSMD-E whole plane ADC

Entries 825208



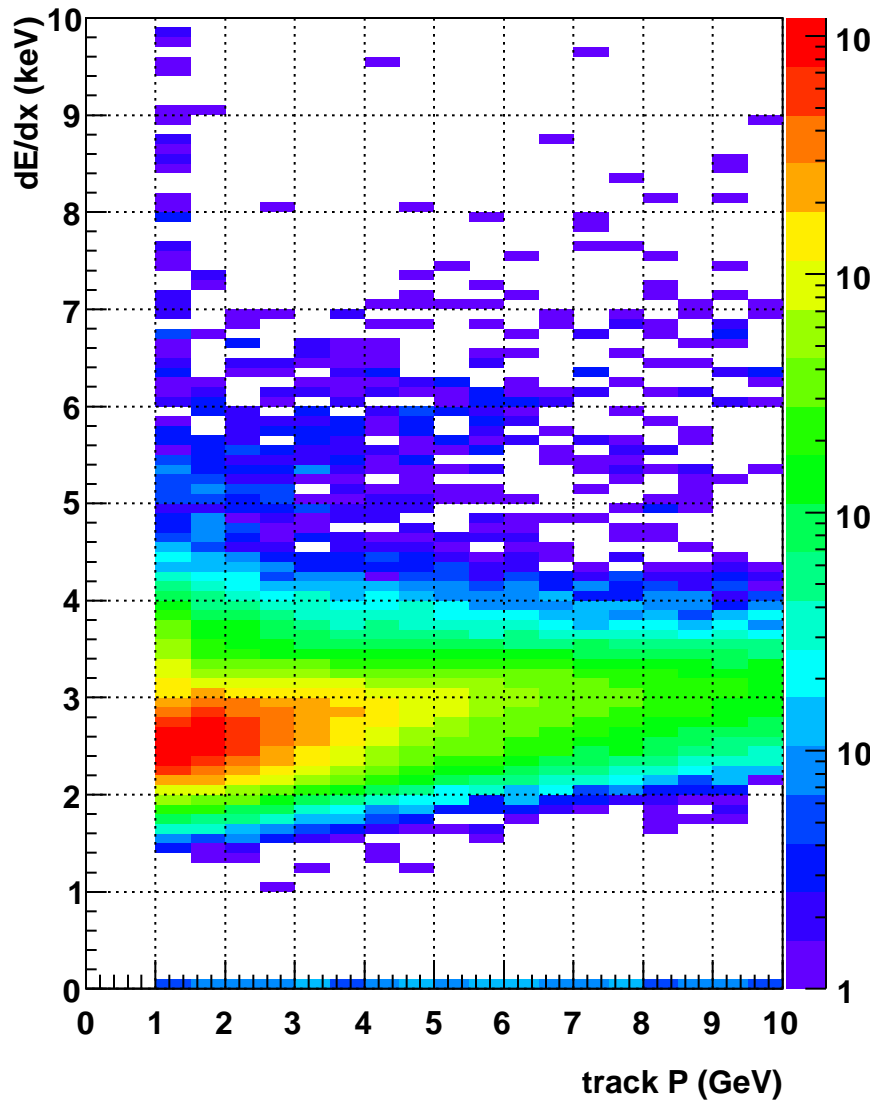
BSMD-P whole plane ADC

Entries 865293



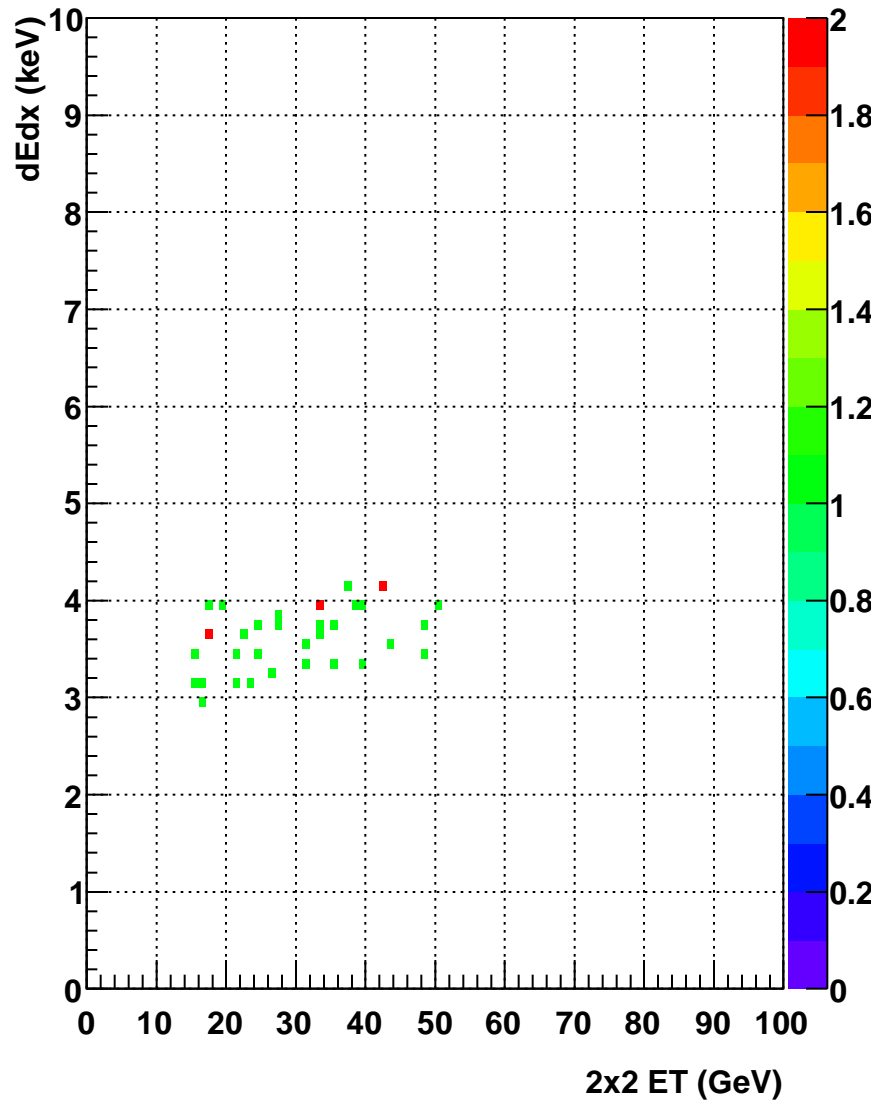
dEdX vs. momentum

Entries 314487



Track dEdx, final W selection

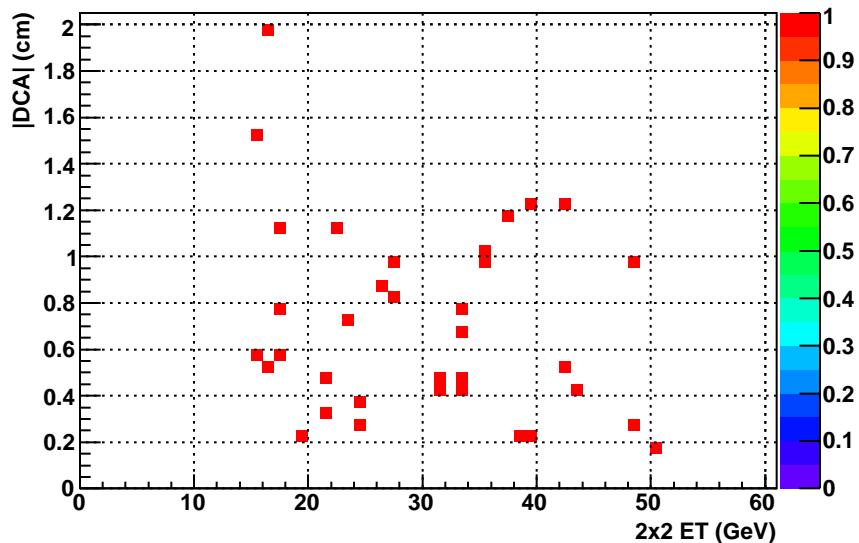
Entries 35



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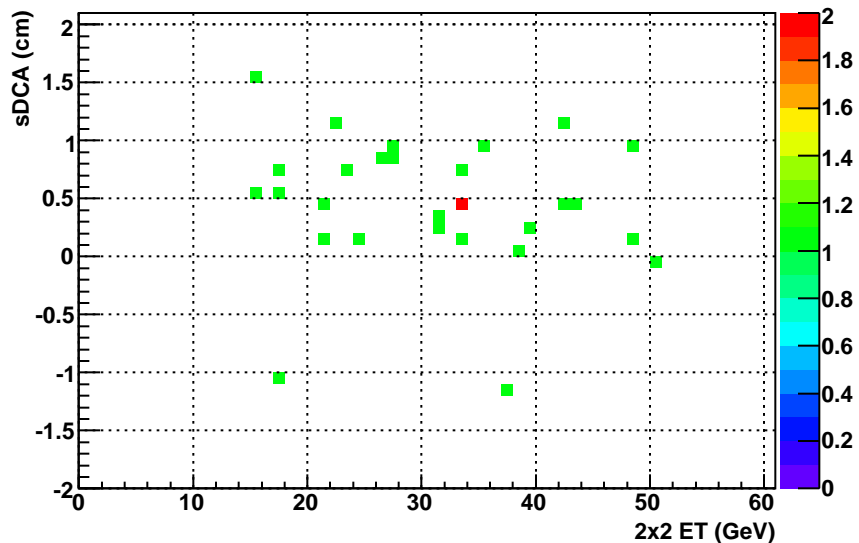
Track glob vertex abs(DCA), final W

Entries 35



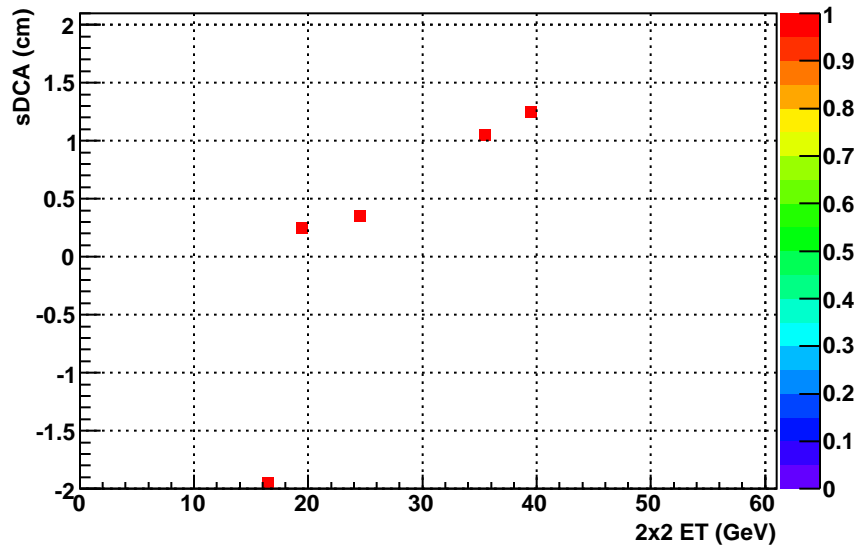
Track prim POSITIVE glob signed DCA, final W

Entries 30



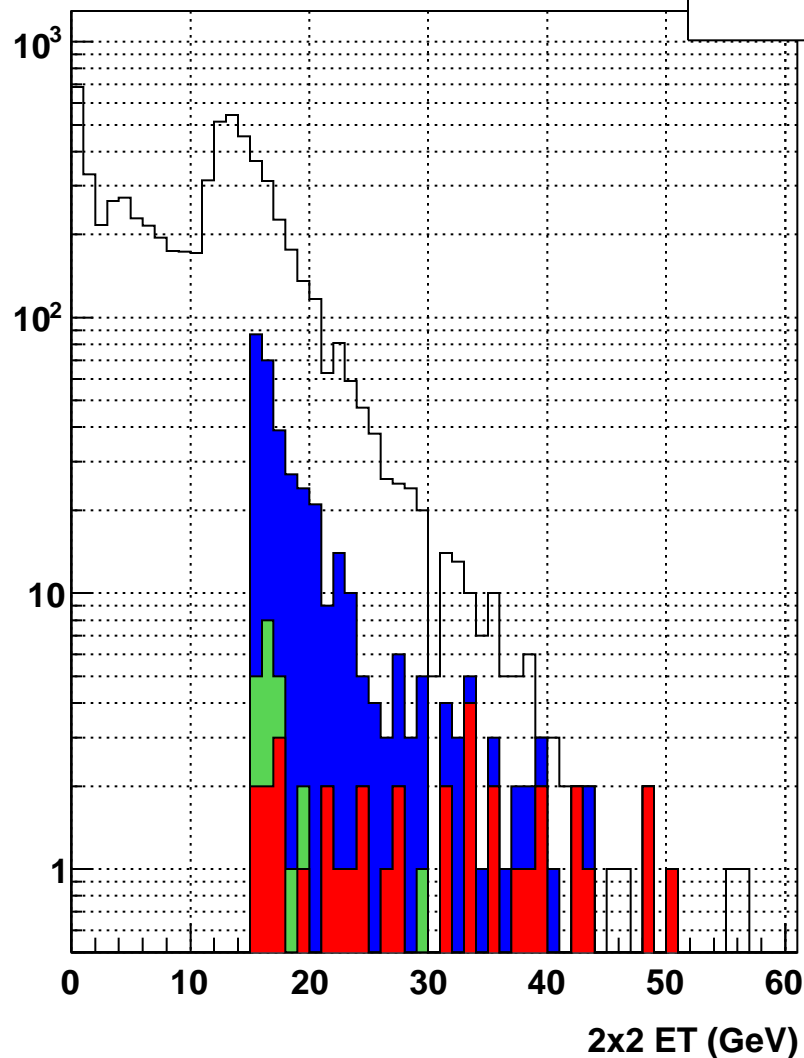
Track prim NEGATIVE glob signed DCA, final W

Entries 5



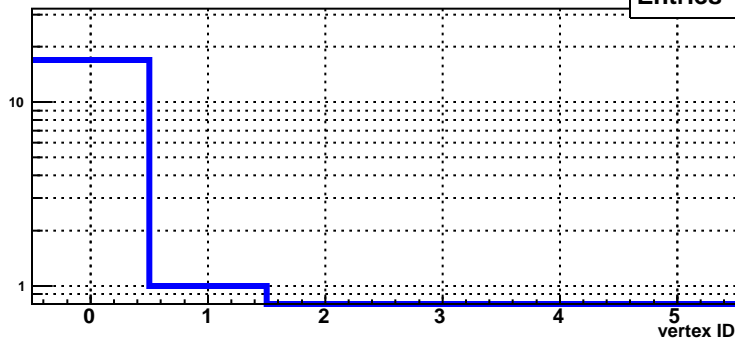
electron candidate, cut=max 2x2

Entries 6564



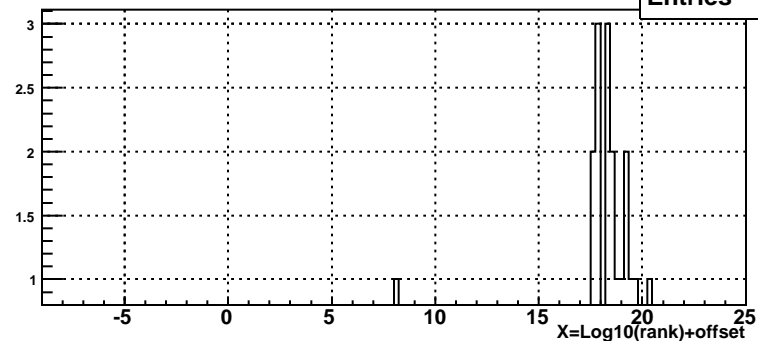
Vertex ID, final W selection, 2x2 ET>28 GeV

Entries 18



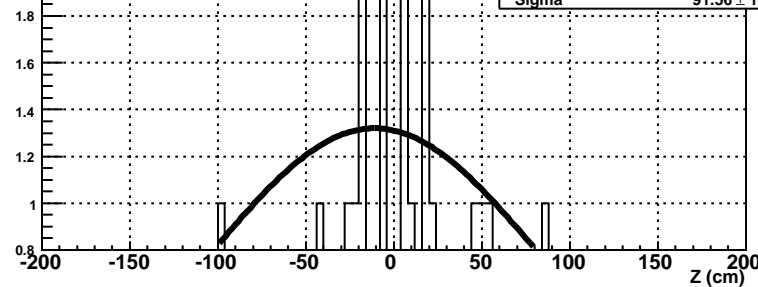
Vertex 'funny' rank, final W selection, 2x2 ET>28 GeV

Entries 18

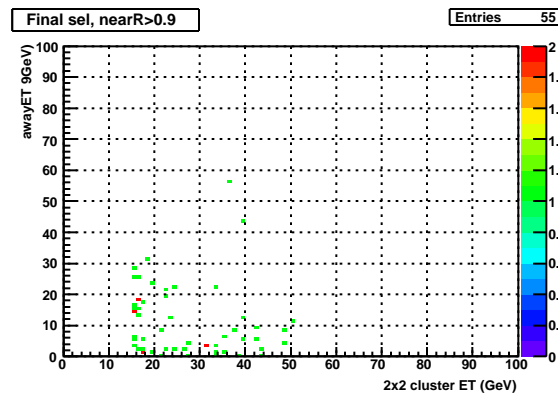
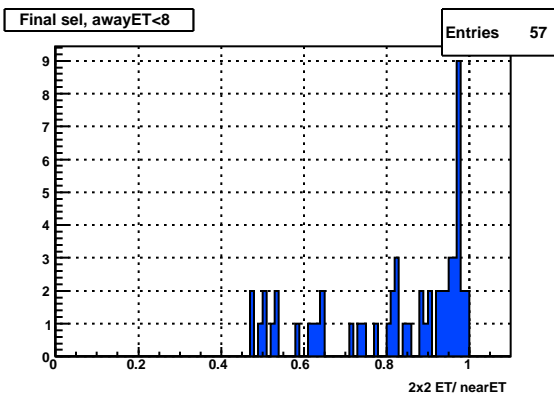
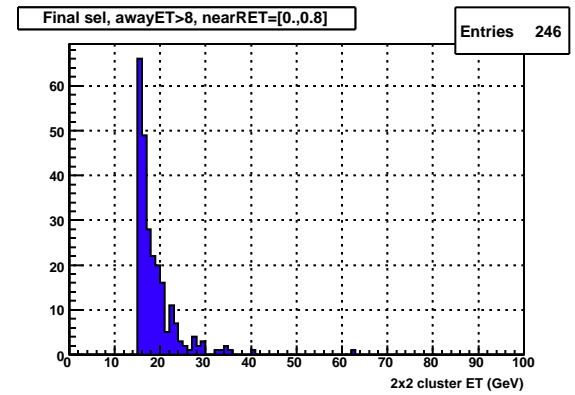
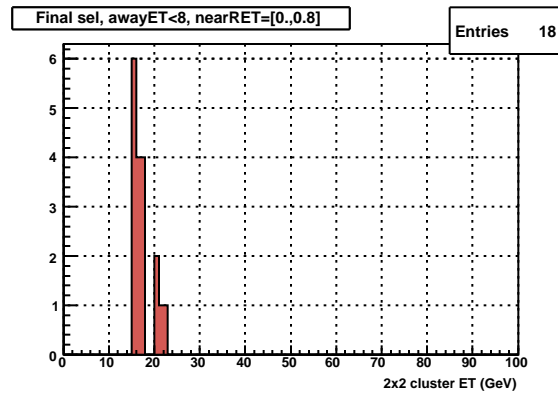
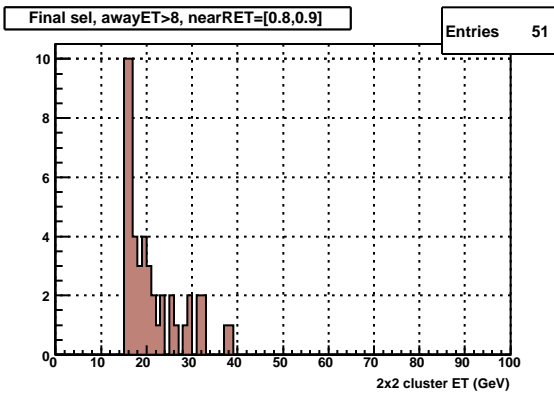
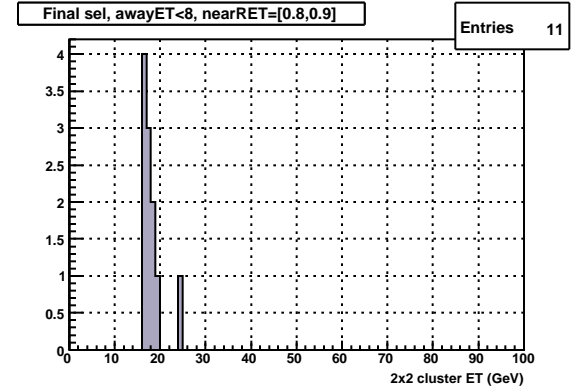
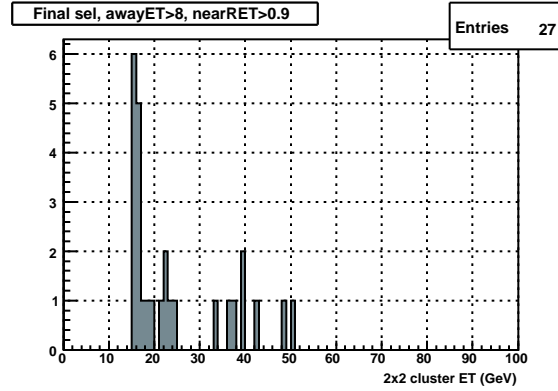
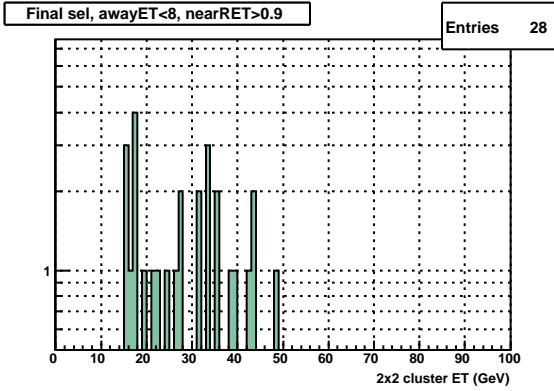


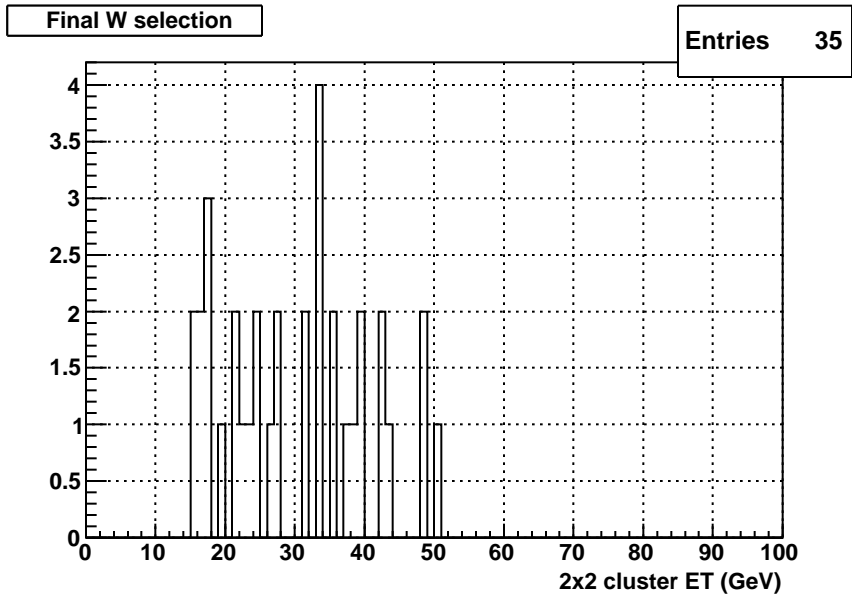
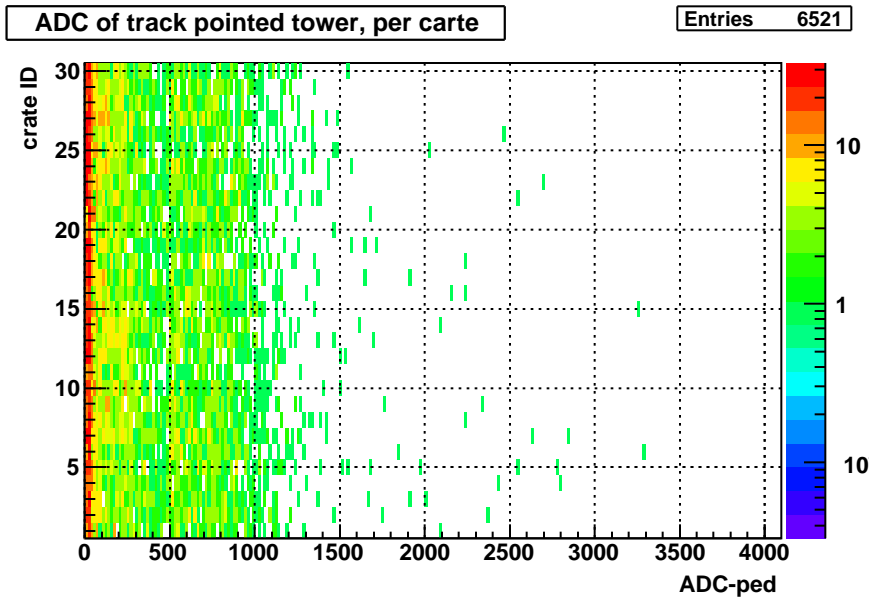
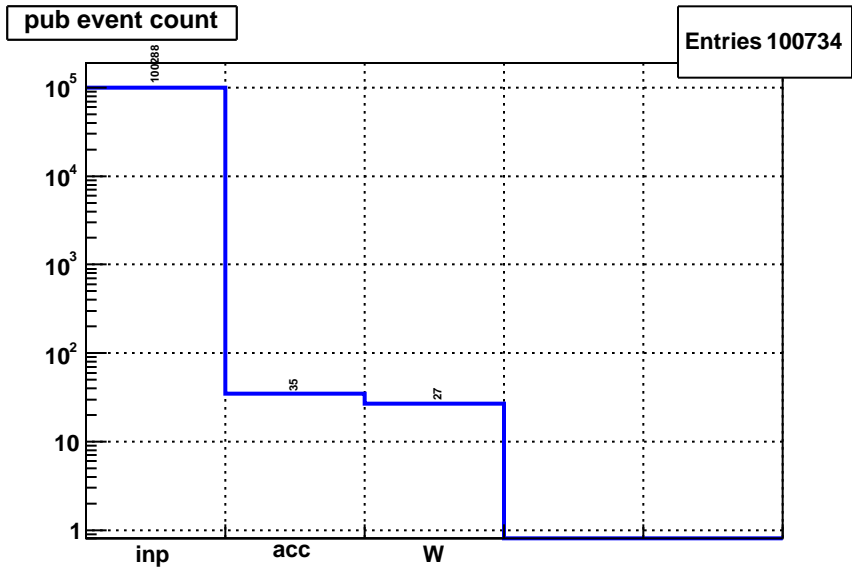
Vertex Z, final W selection, 2x2 ET>28 GeV

Entries	18
χ^2 / ndf	1.414 / 10
Constant	1.32 ± 0.43
Mean	-10.87 ± 58.31
Sigma	91.56 ± 100.07



Background study for Joe, 044, page=19, Sat Feb 19 08:01:09 2011



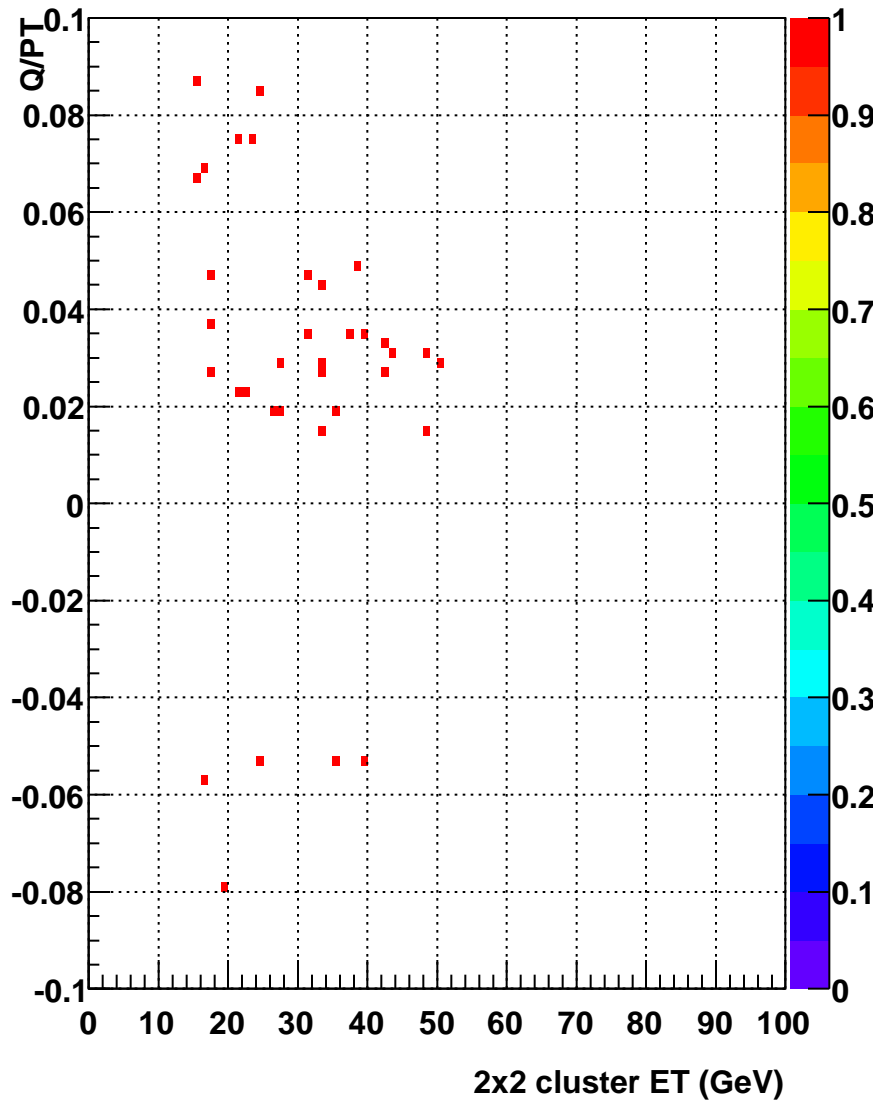
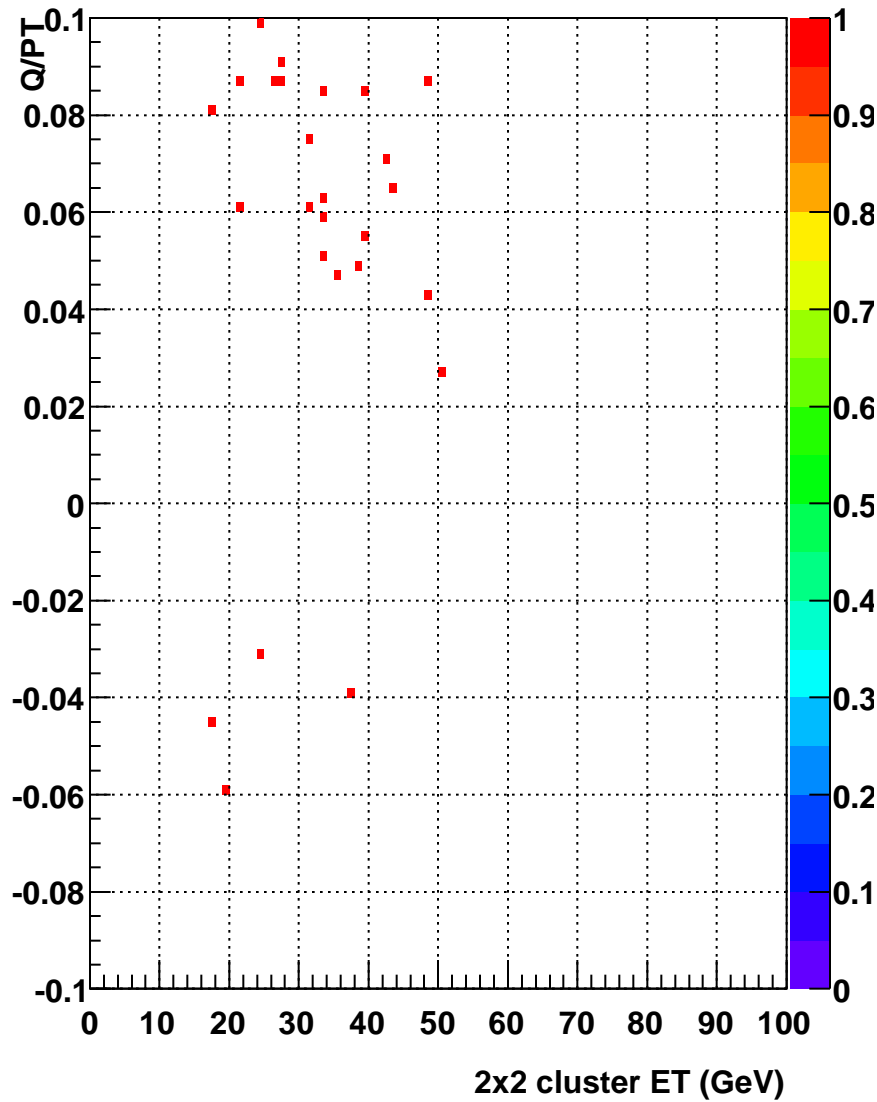


TPC GLOB Q/PT

Entries 35

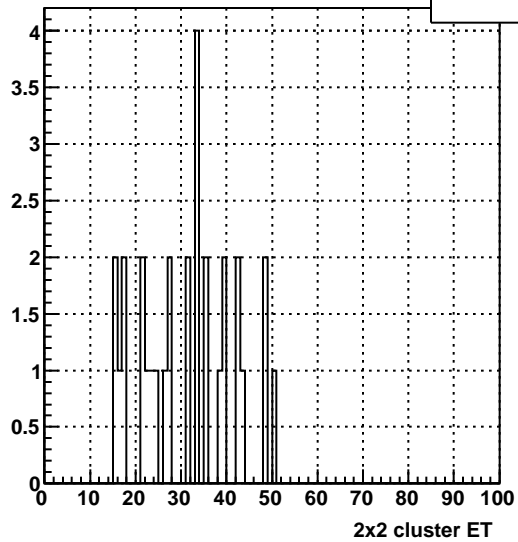
TPC PRIM Q/PT

Entries 35



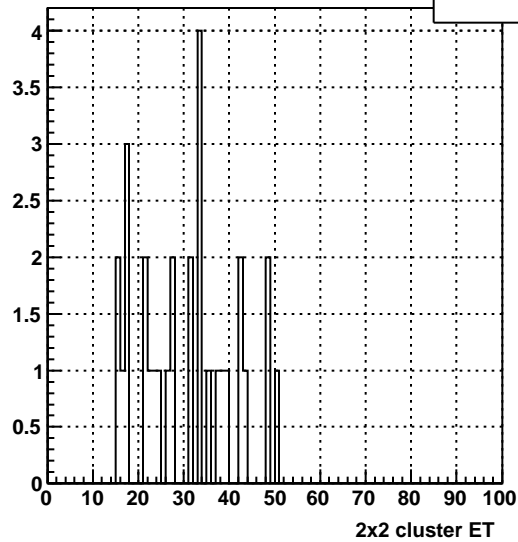
Final W glob Q=P

Entries 30



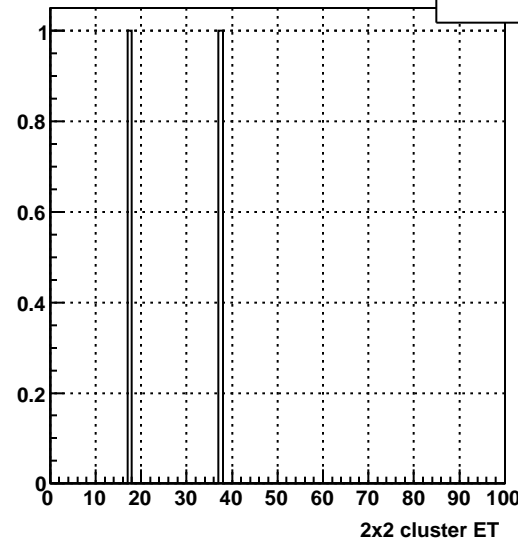
Final W prim Q=P

Entries 30



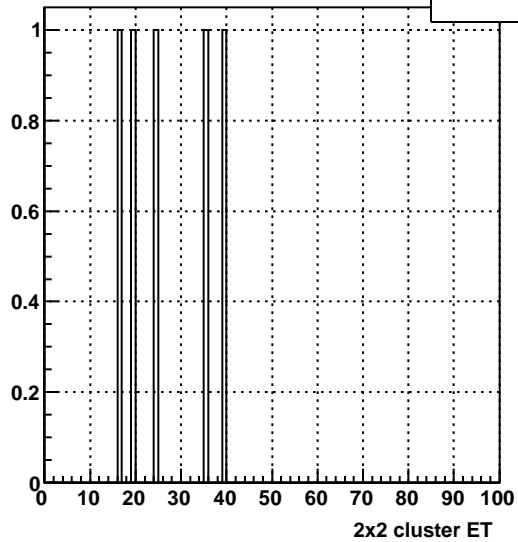
prim sign=P flip after V-refit

Entries 2



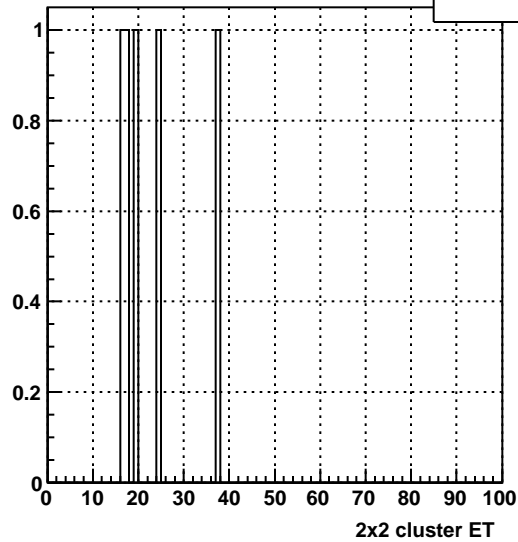
Final W prim Q=N

Entries 5



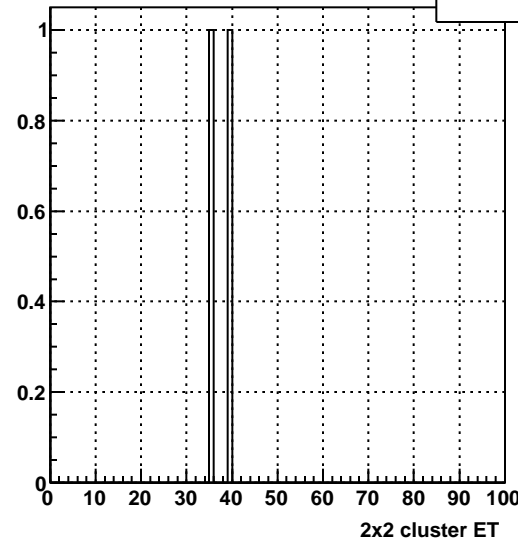
Final W glob Q=N

Entries 5

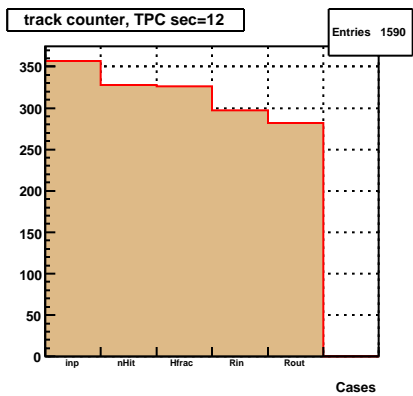
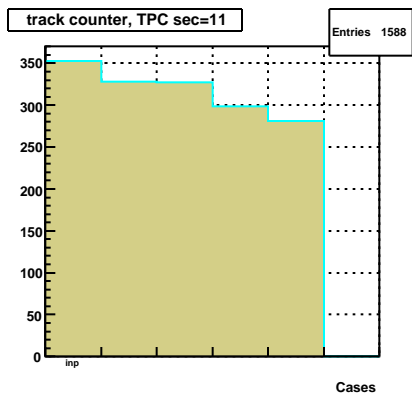
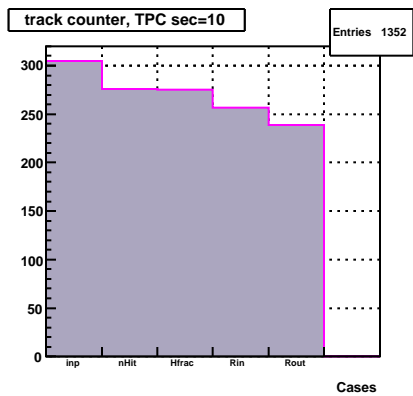
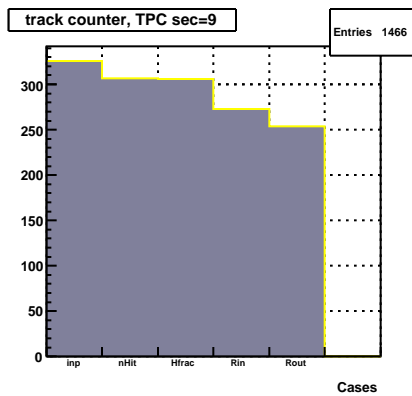
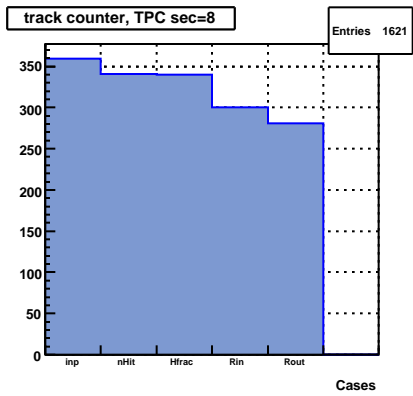
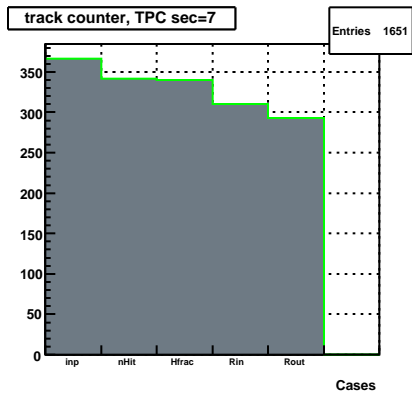
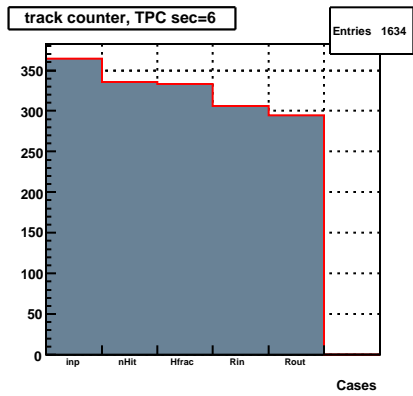
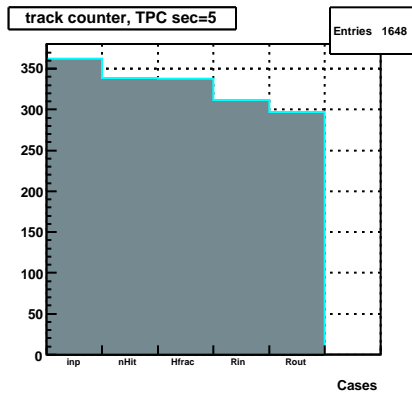
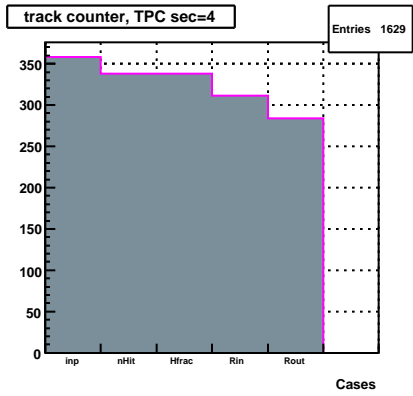
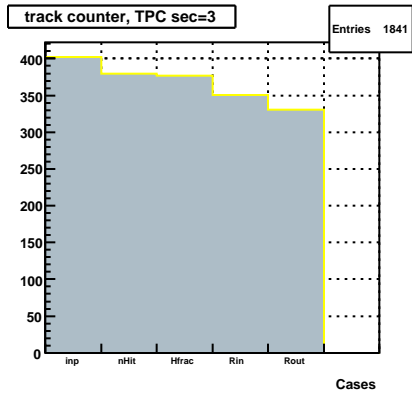
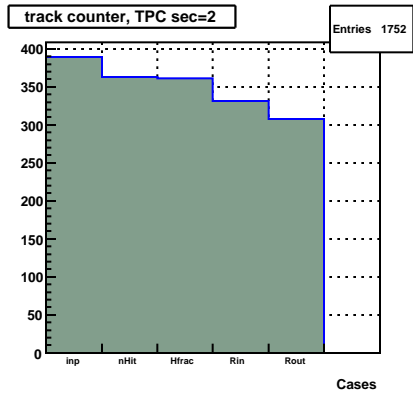
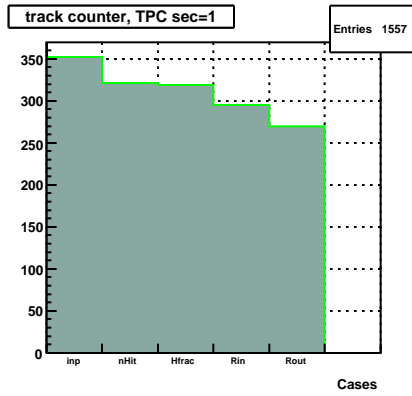


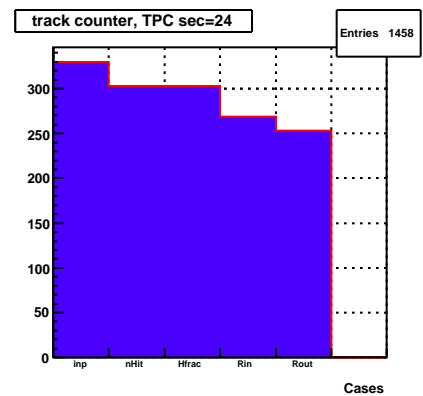
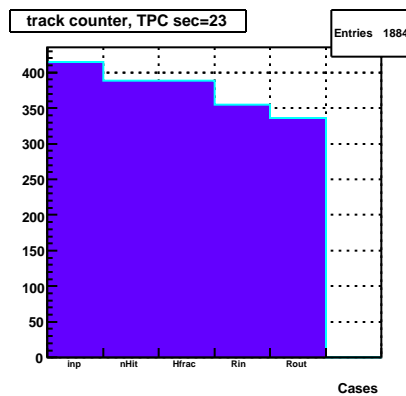
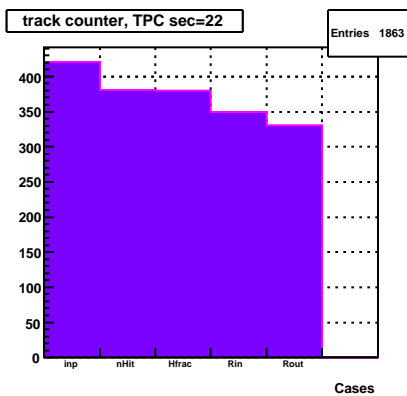
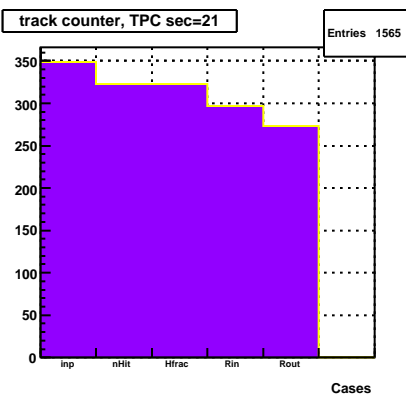
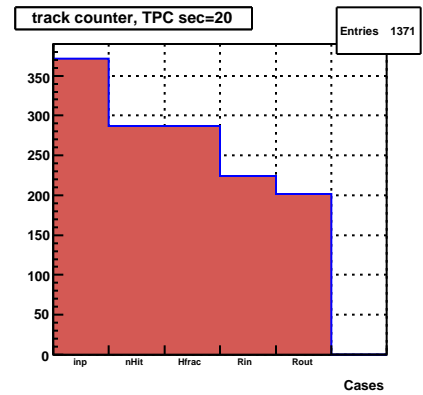
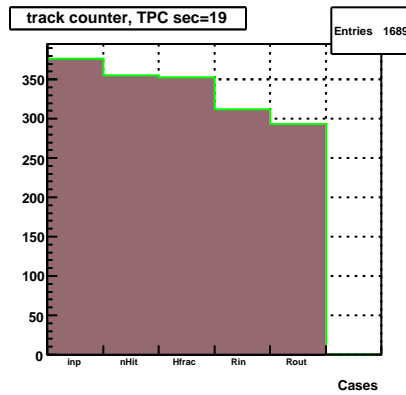
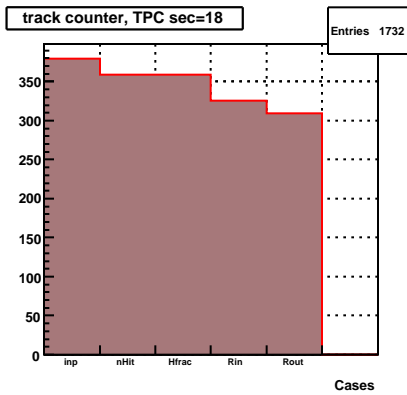
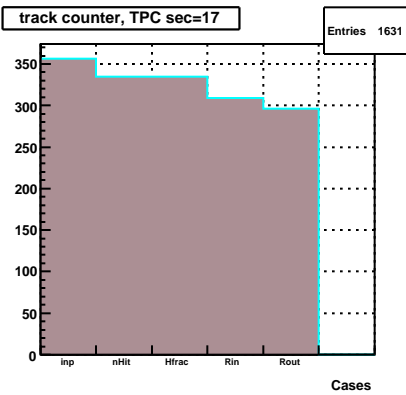
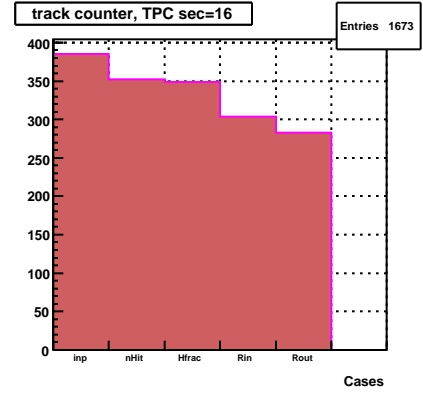
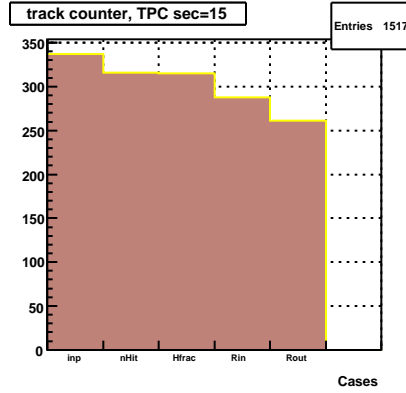
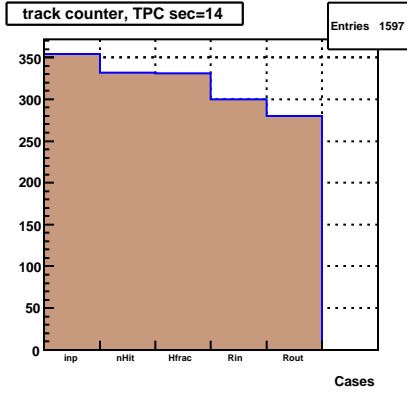
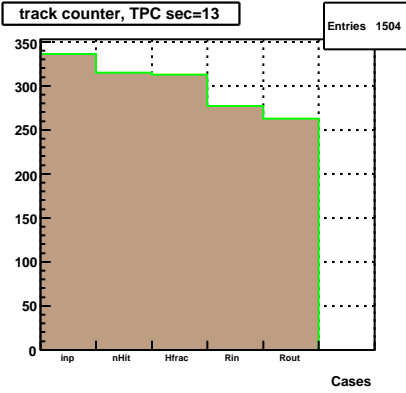
prim sign=N flip after V-refit

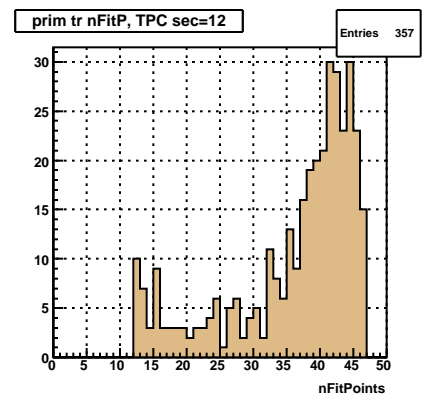
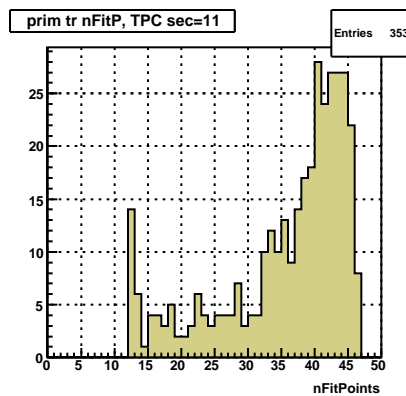
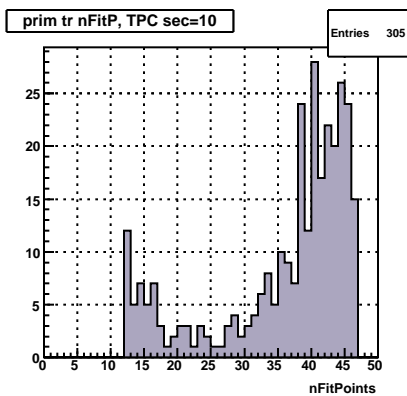
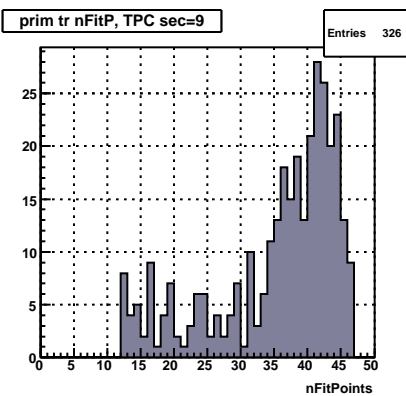
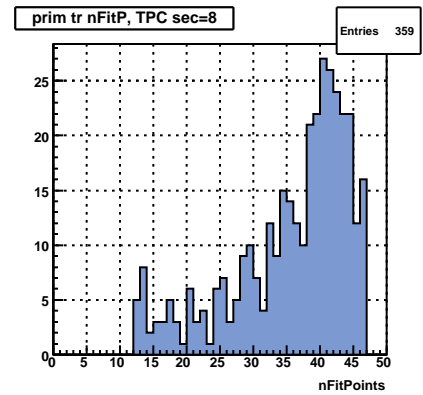
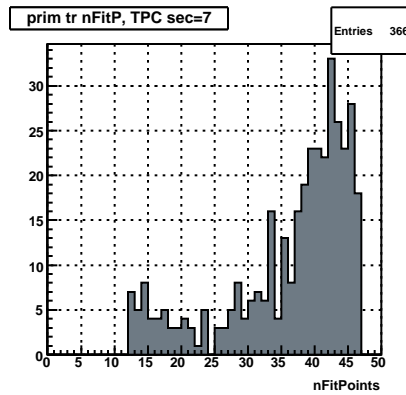
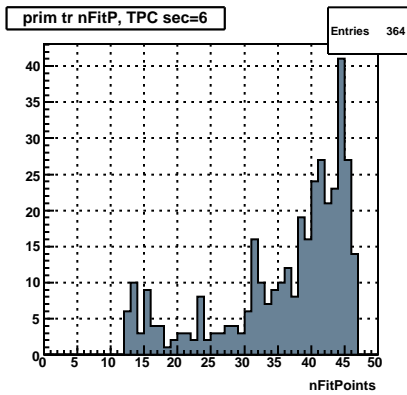
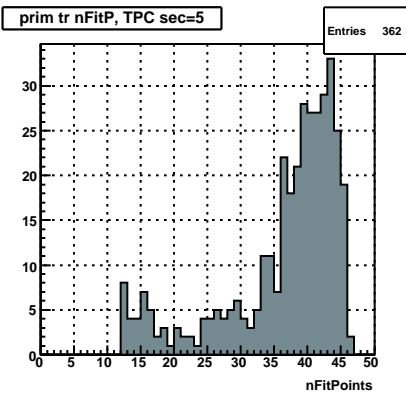
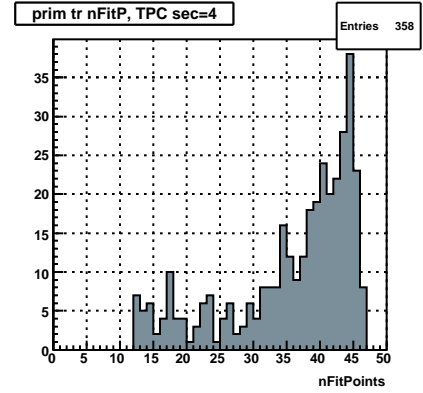
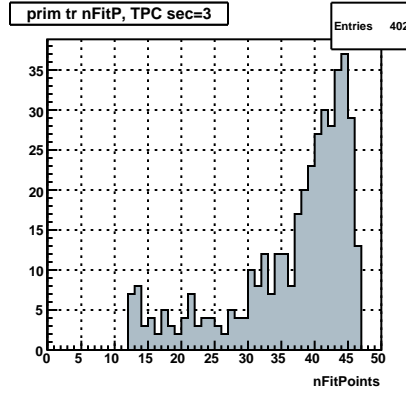
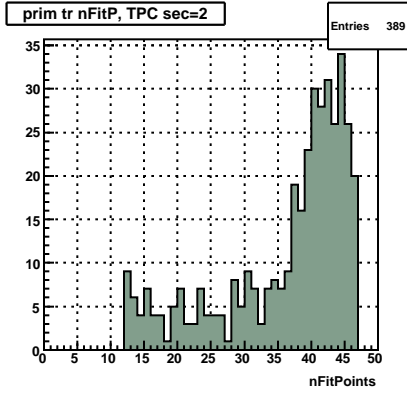
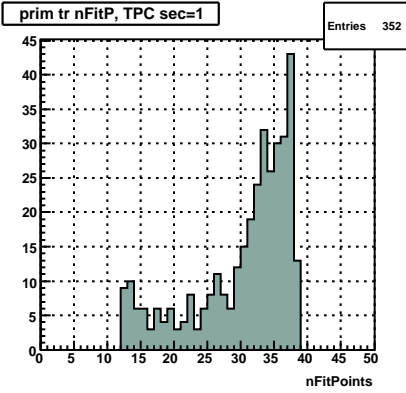
Entries 2



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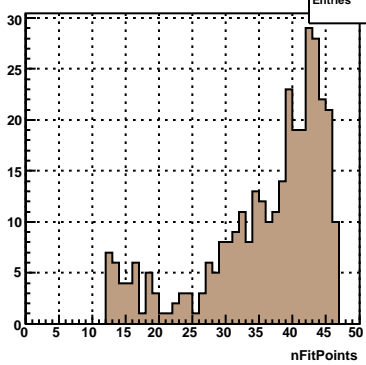






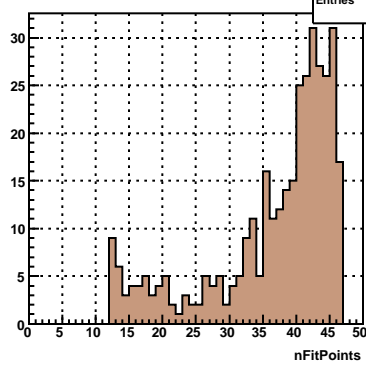
prim tr nFitP, TPC sec=13

Entries 336



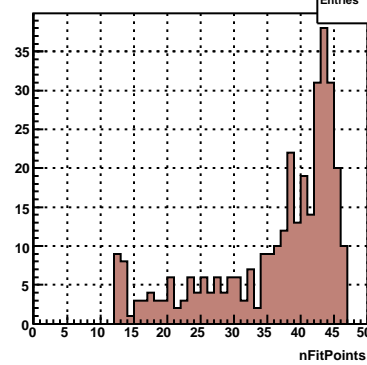
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Entries 354



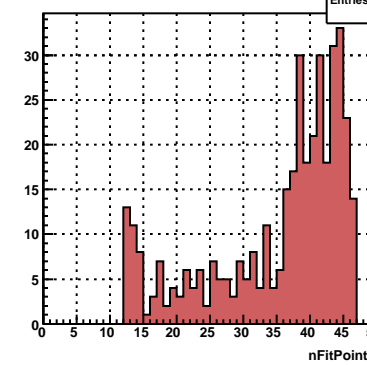
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Entries 337



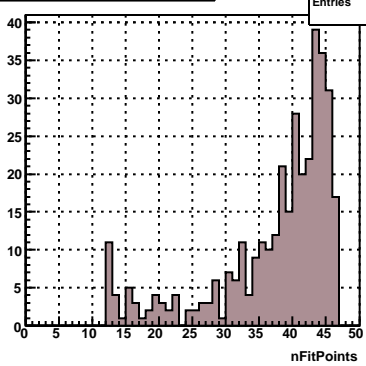
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Entries 385



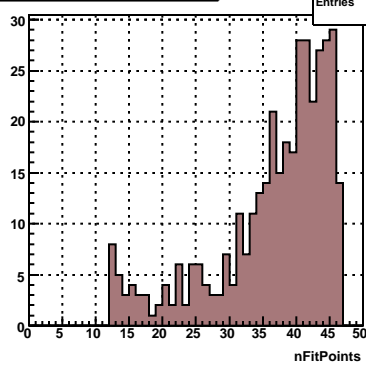
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Entries 356



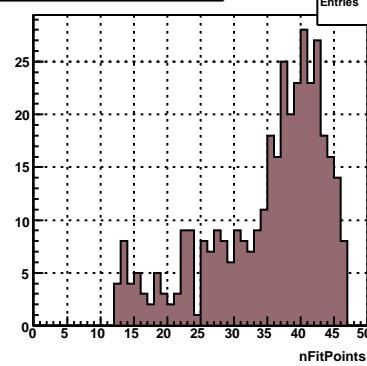
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Entries 379



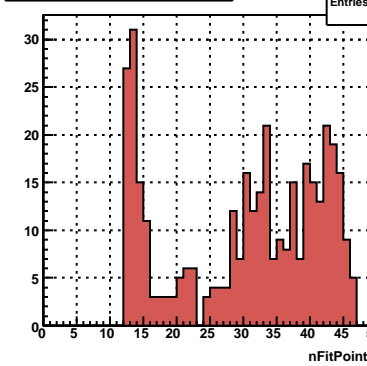
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Entries 376



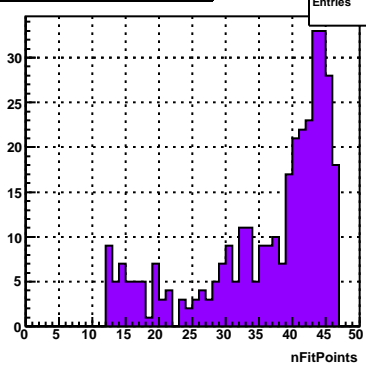
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Entries 371



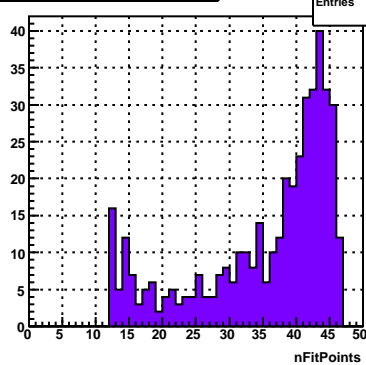
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Entries 349



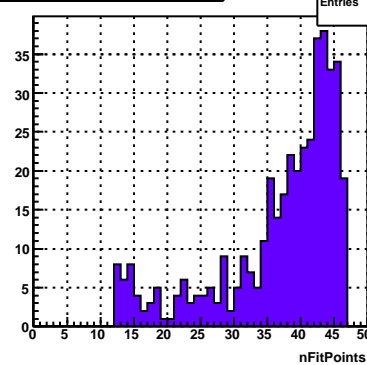
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Entries 421



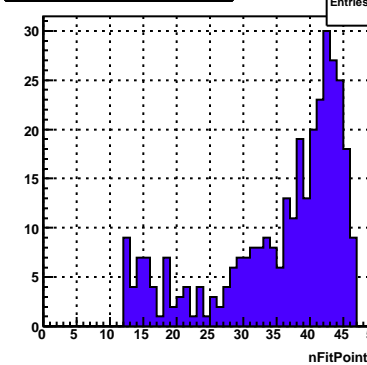
prim tr nFitP, TPC sec=23

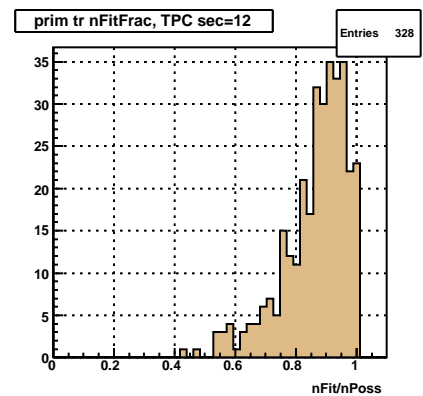
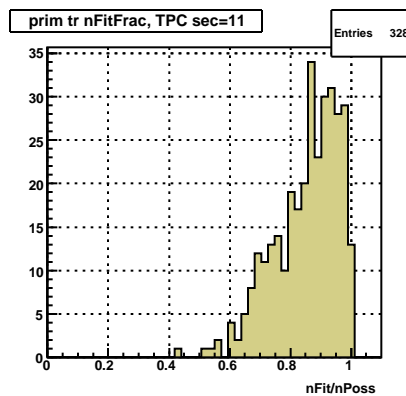
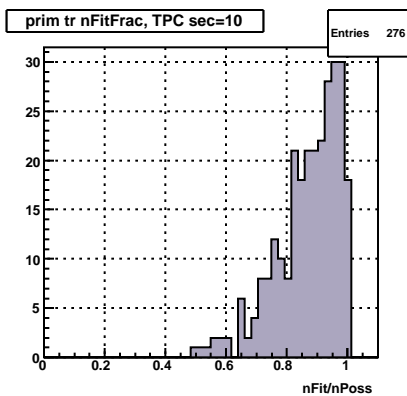
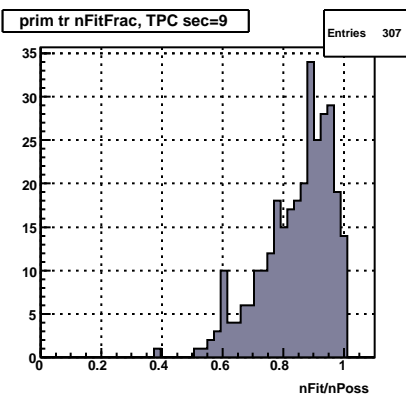
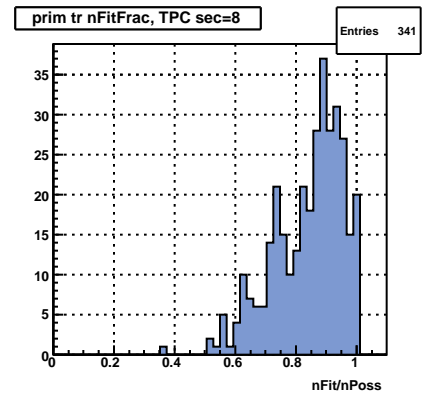
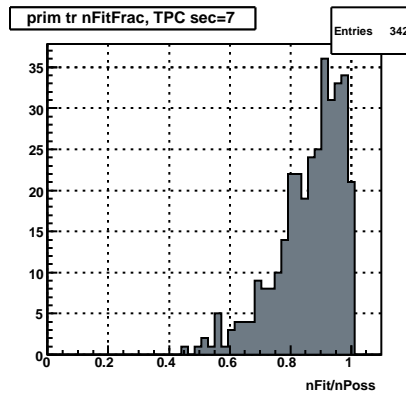
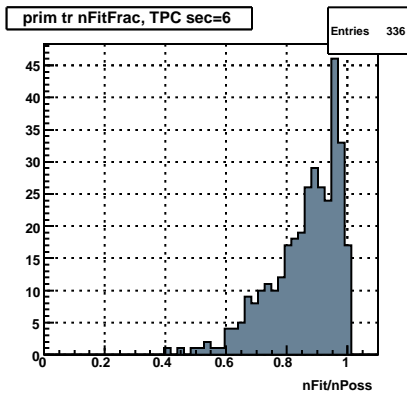
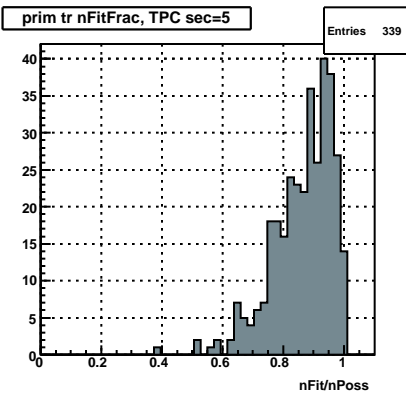
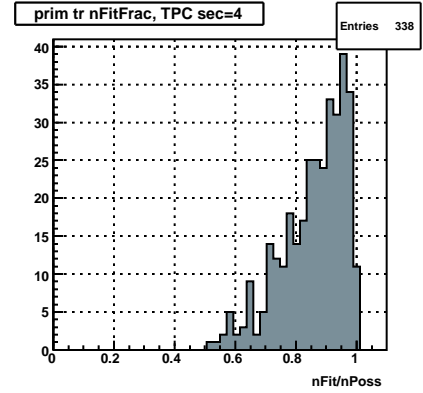
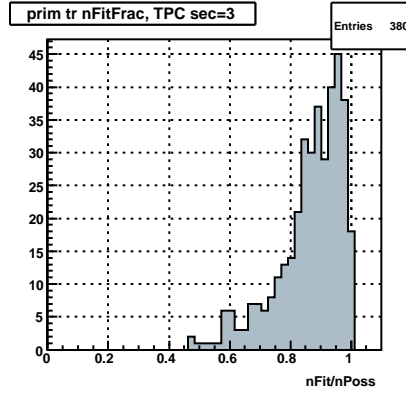
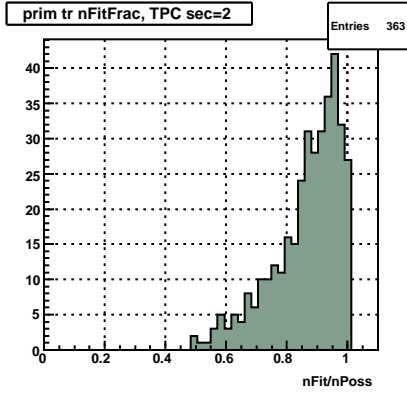
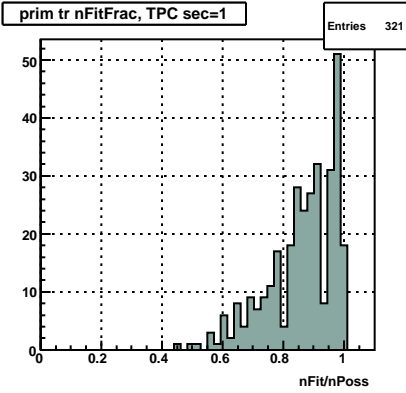
Entries 415

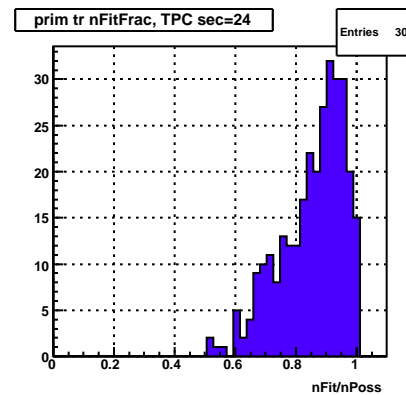
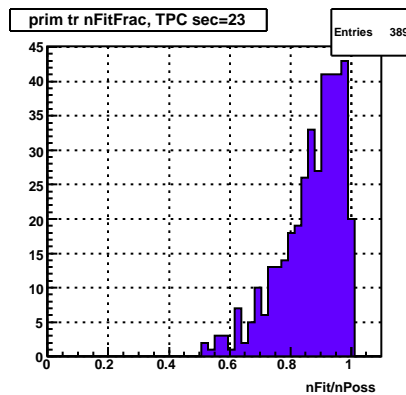
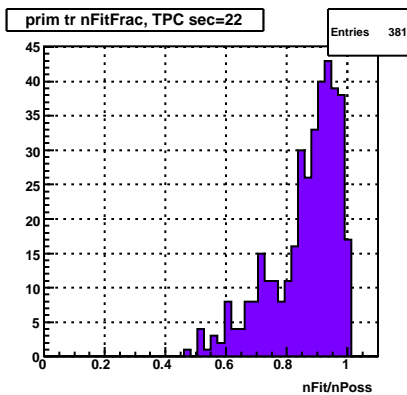
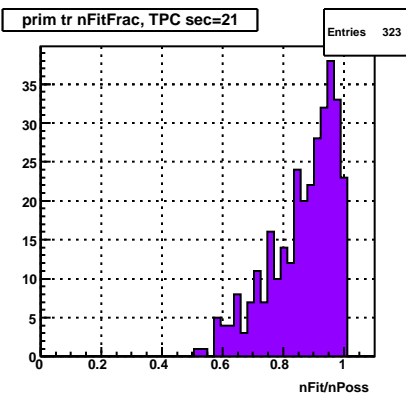
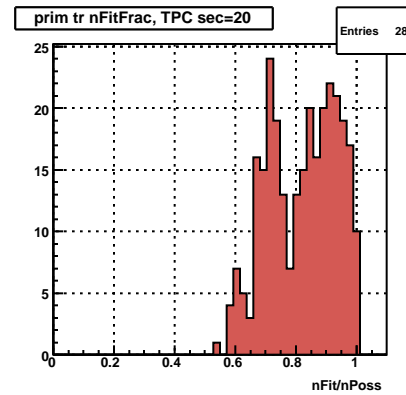
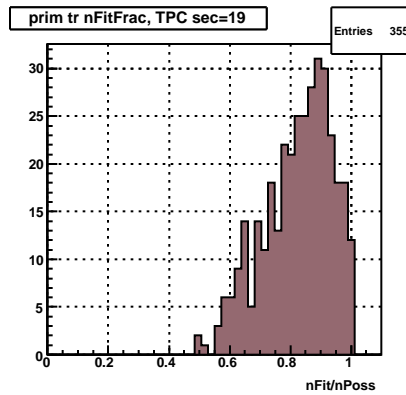
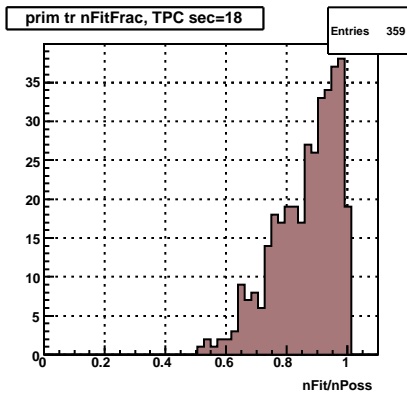
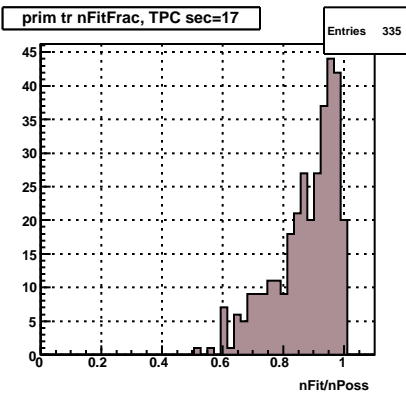
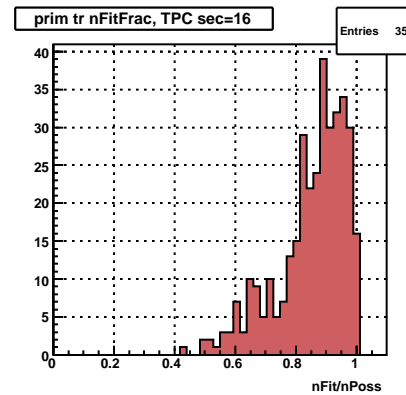
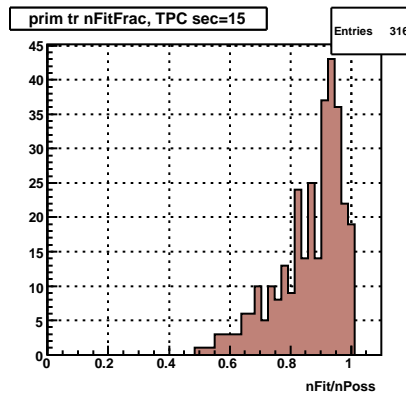
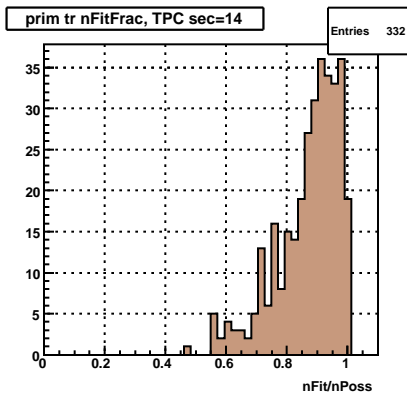
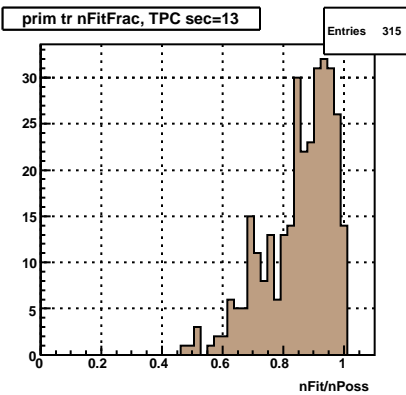


prim tr nFitP, TPC sec=24

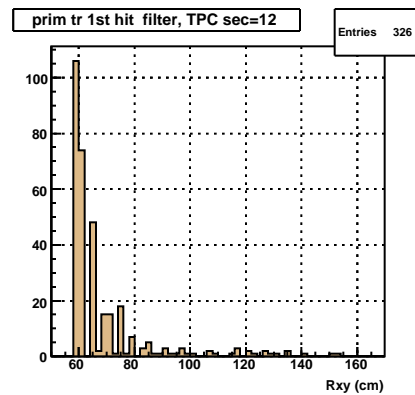
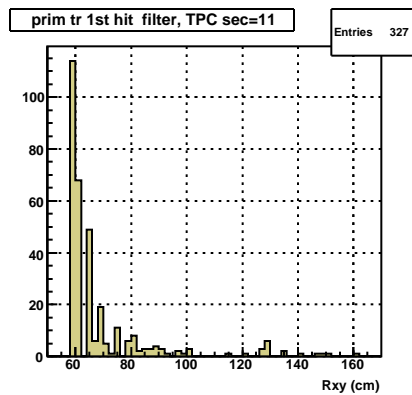
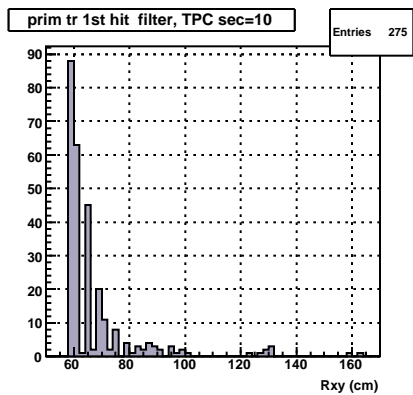
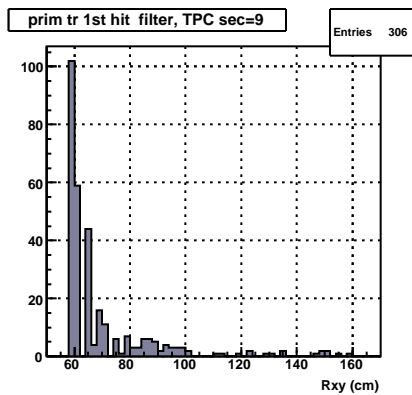
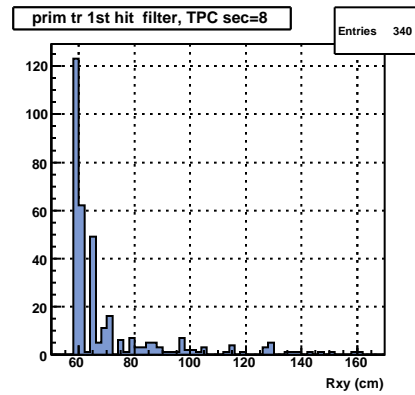
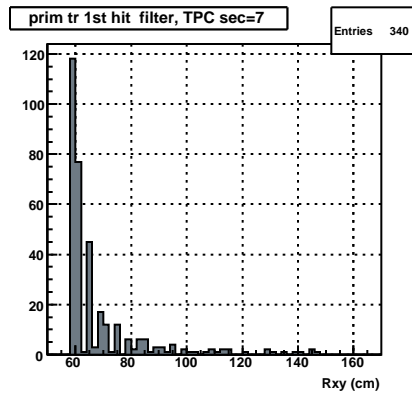
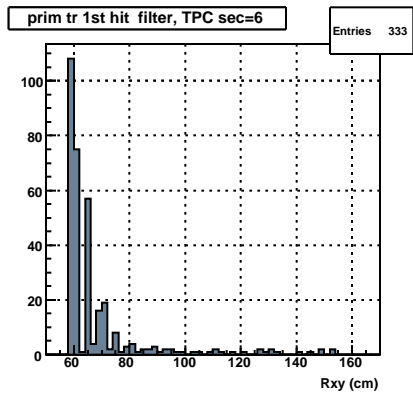
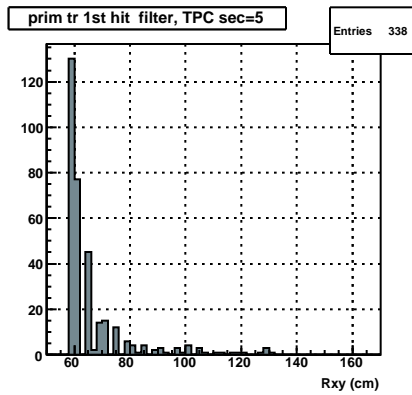
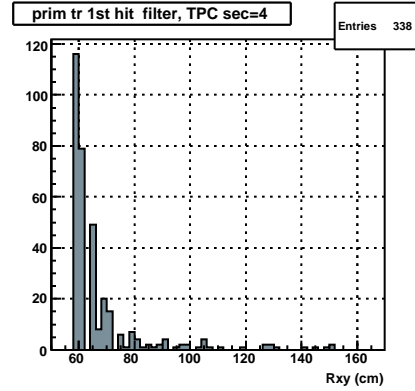
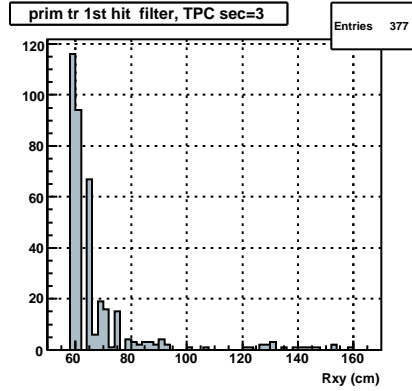
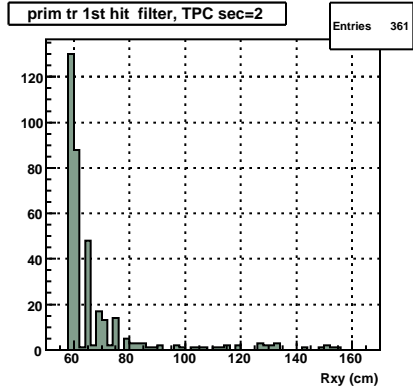
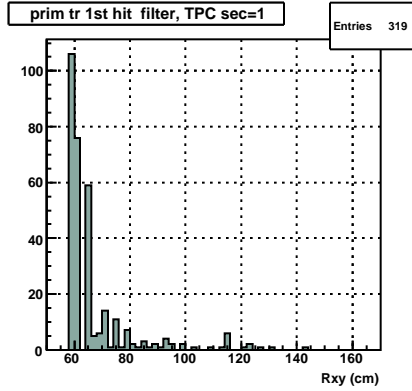
Entries 330

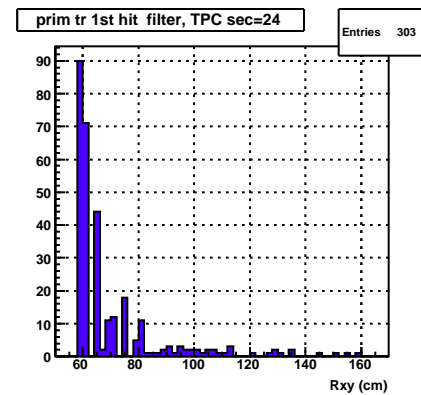
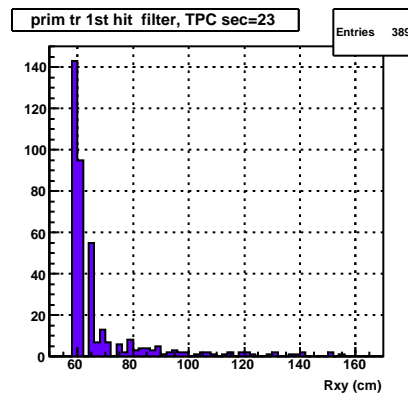
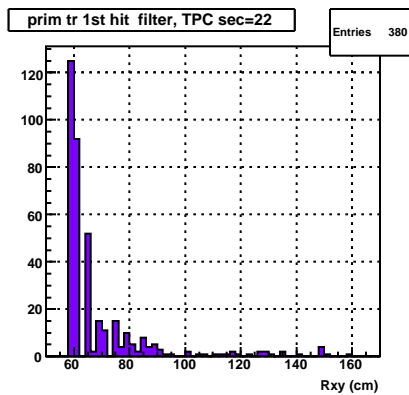
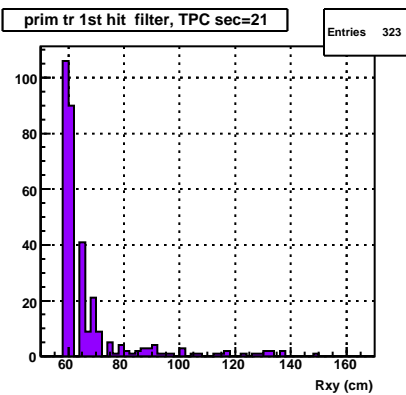
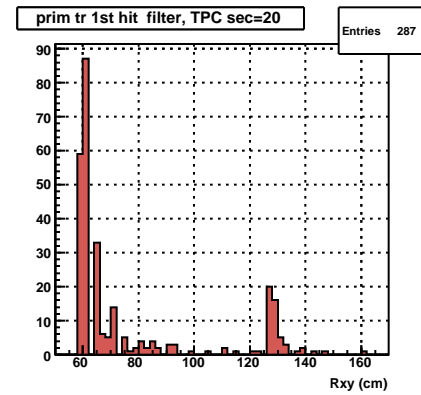
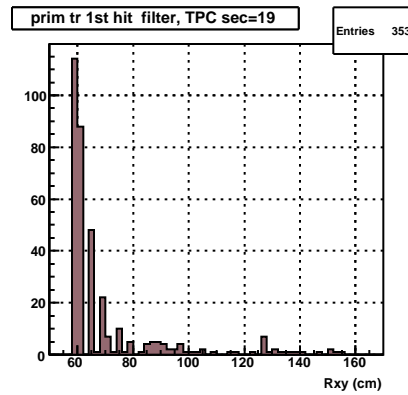
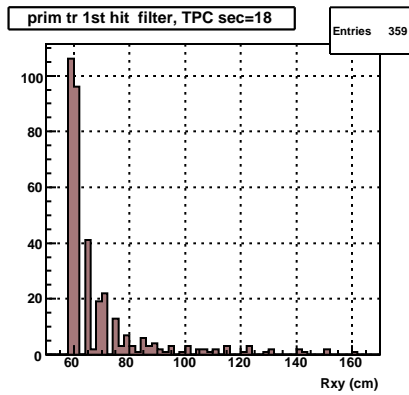
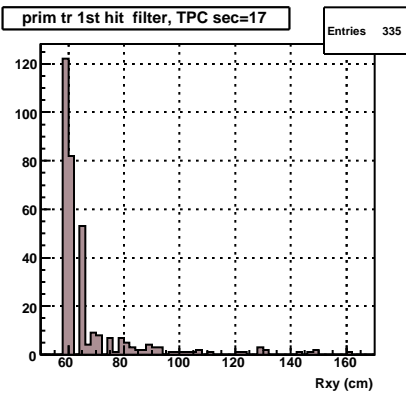
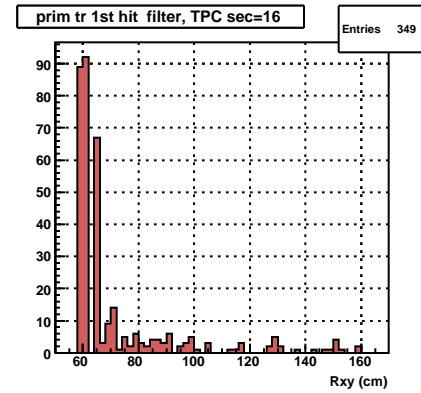
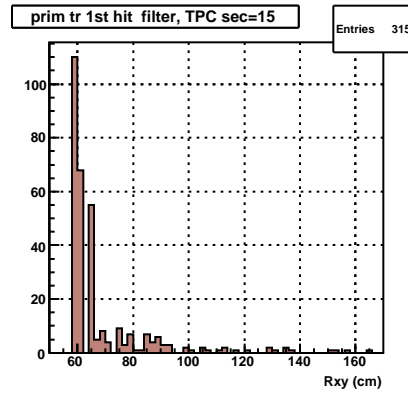
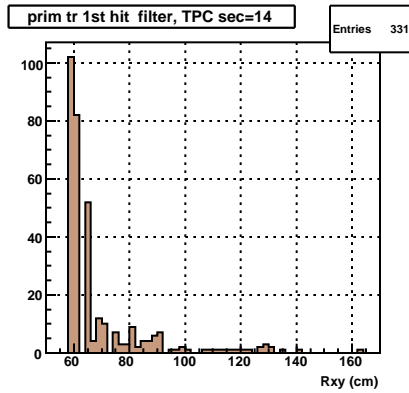
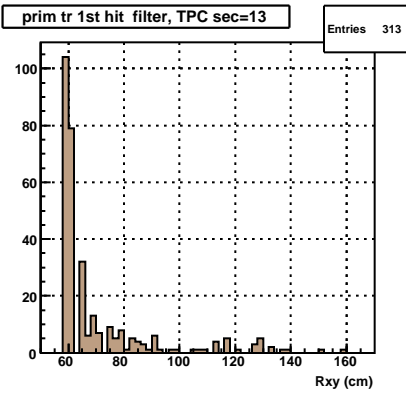


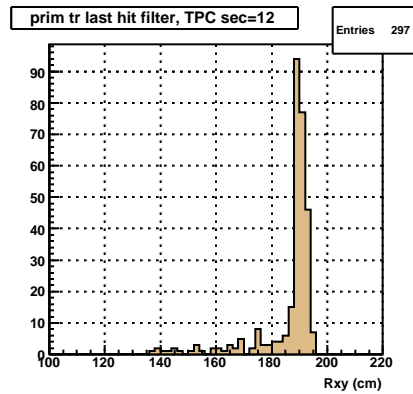
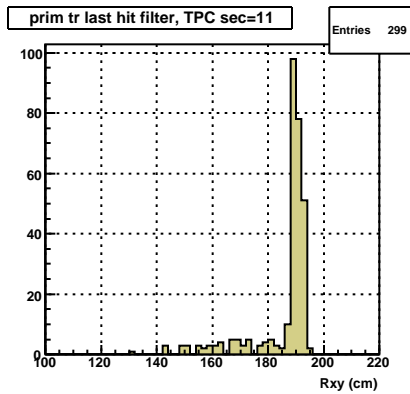
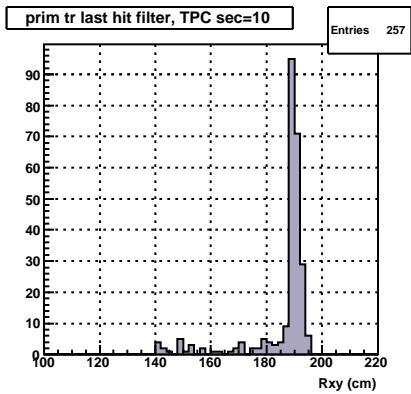
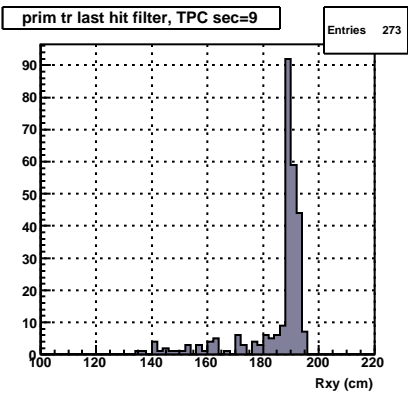
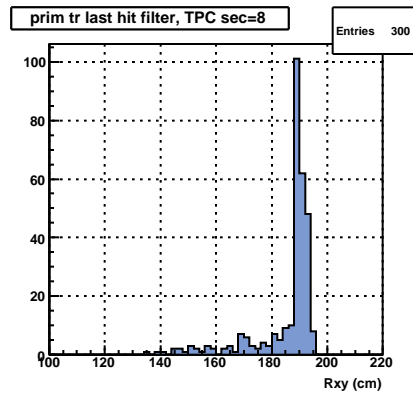
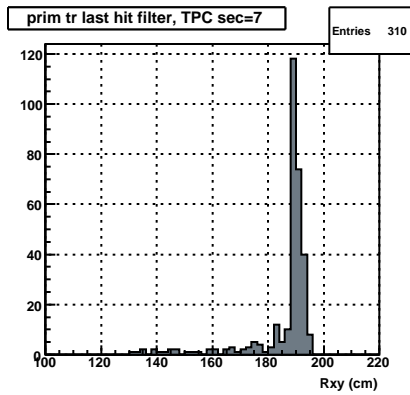
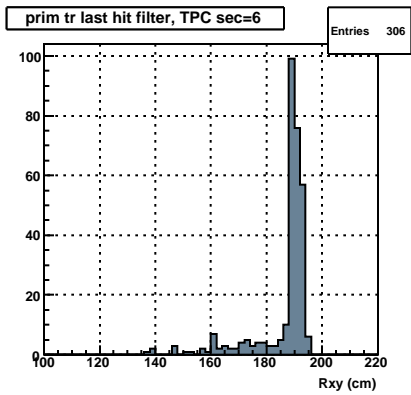
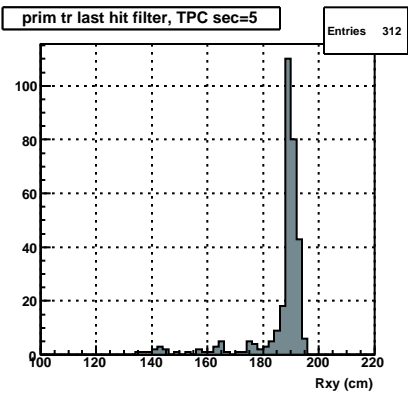
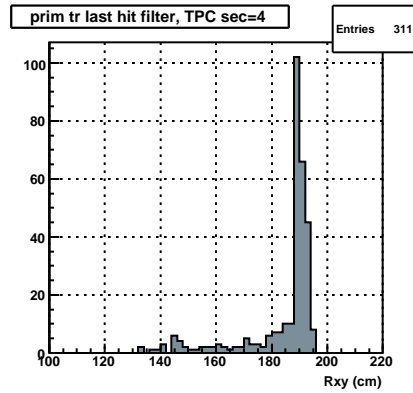
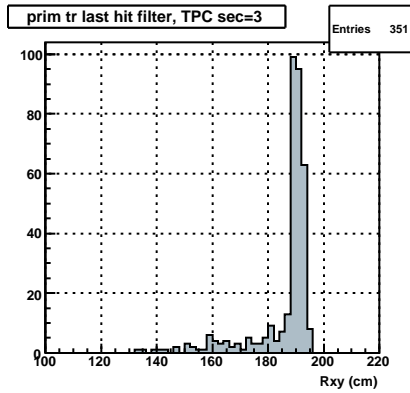
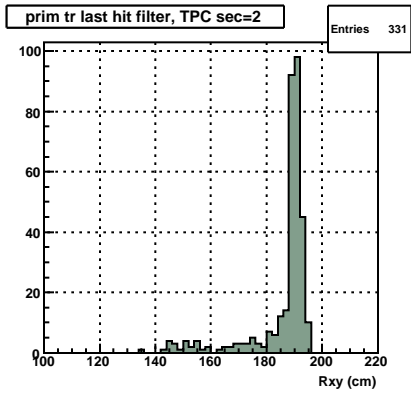
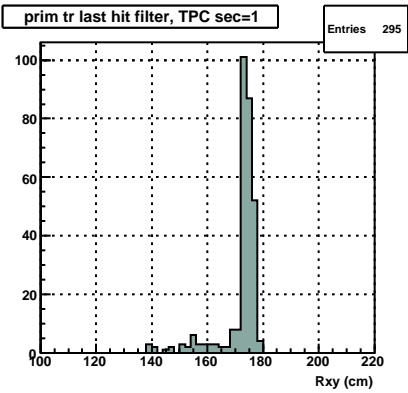


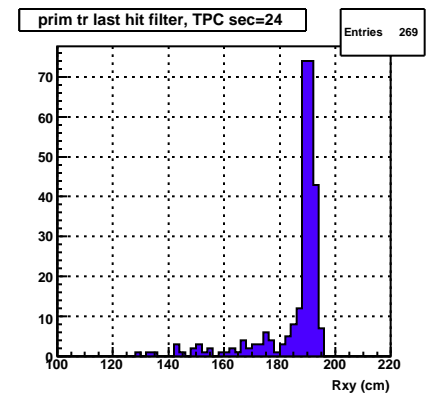
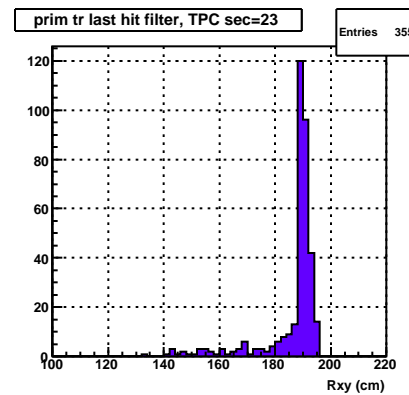
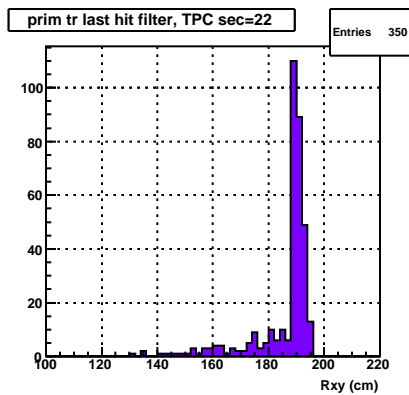
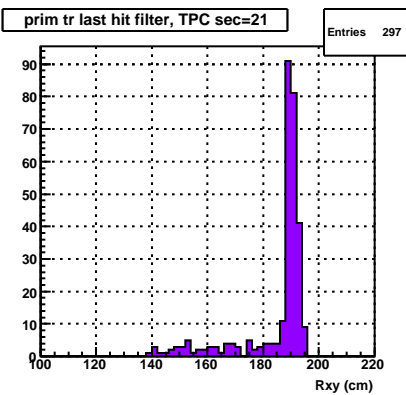
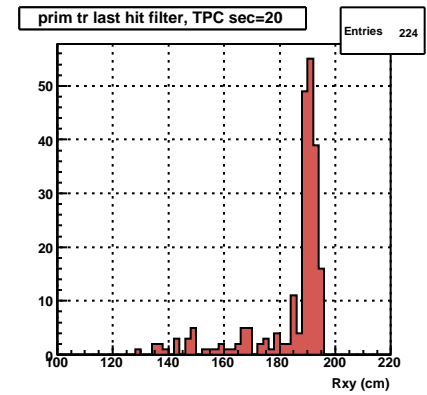
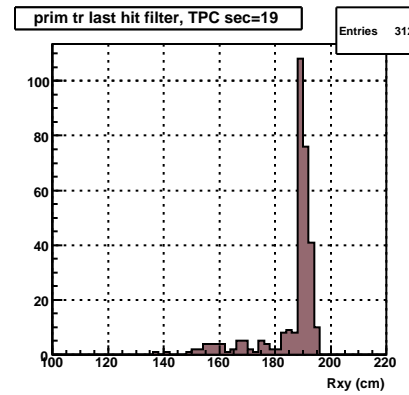
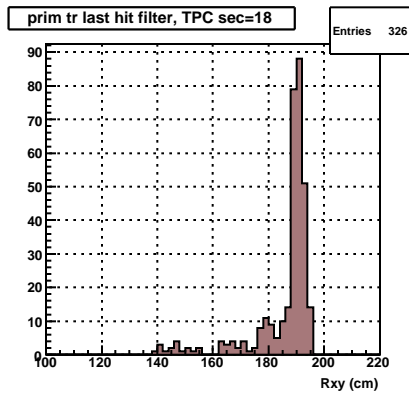
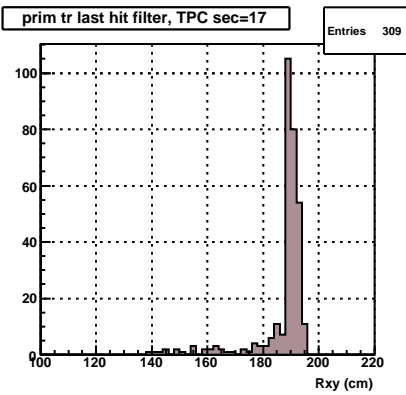
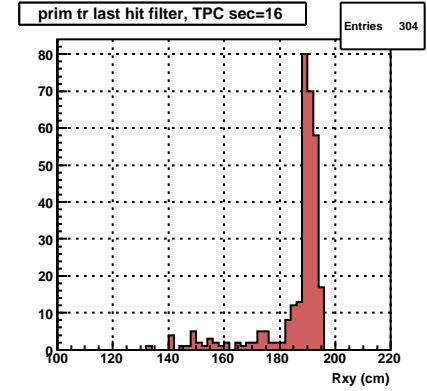
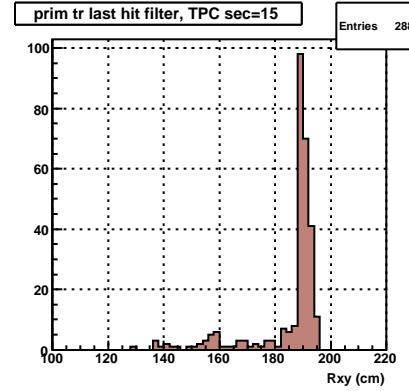
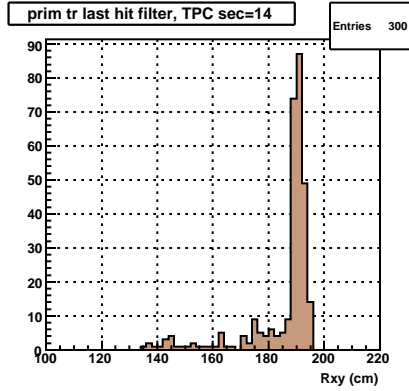
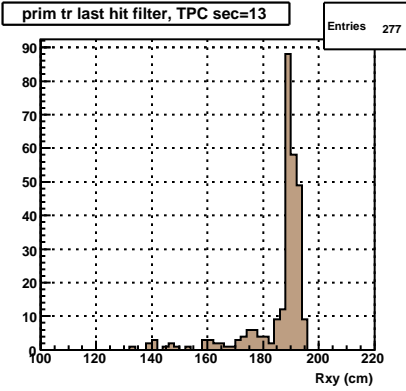


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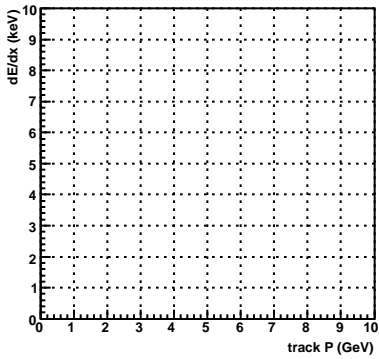




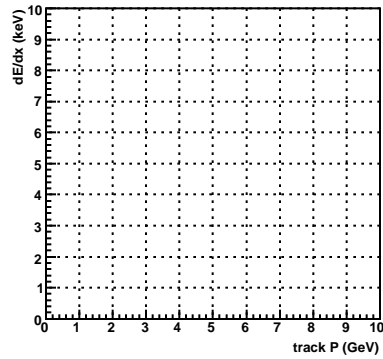




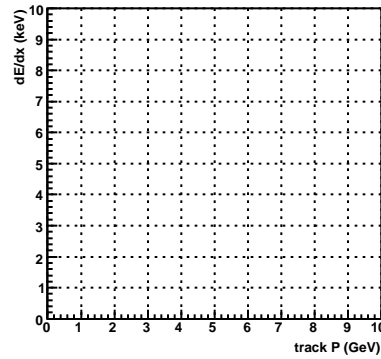
dEdX vs. P, accpted , TPC sec=1 Entries 270



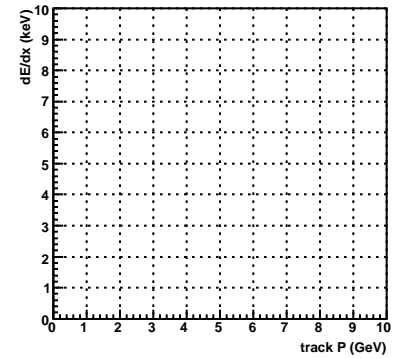
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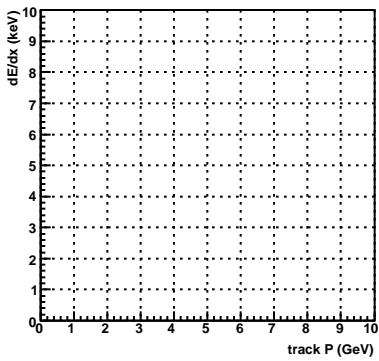
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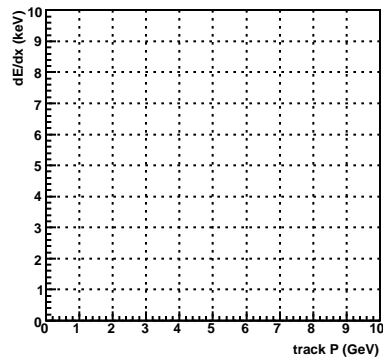
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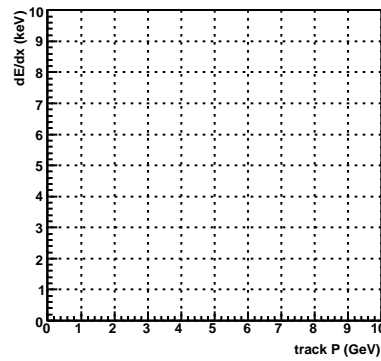
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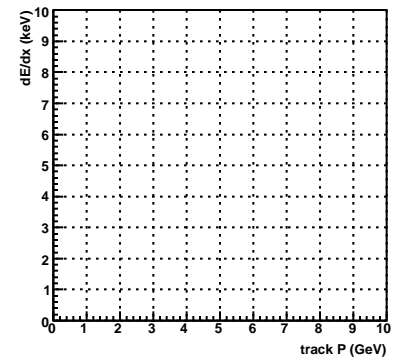
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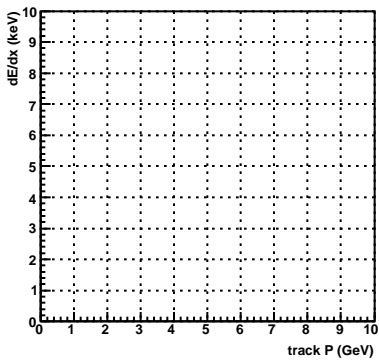
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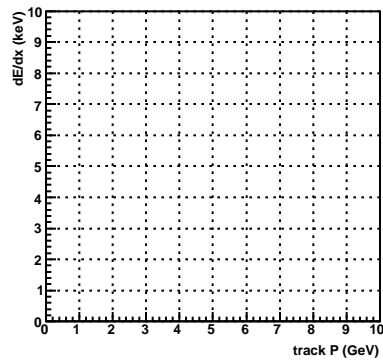
dEdX vs. P, accpted , TPC sec=8 Entries 281



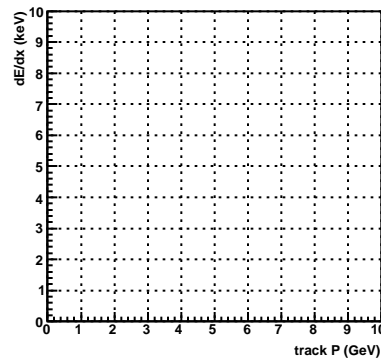
dEdX vs. P, accpted , TPC sec=9 Entries 254



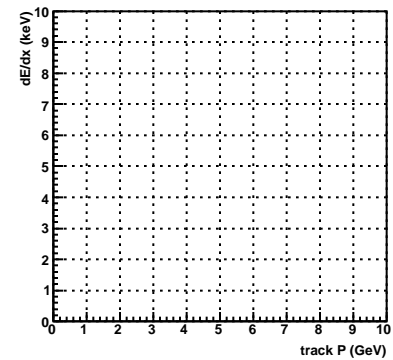
dEdX vs. P, accpted , TPC sec=10 Entries 239



dEdX vs. P, accpted , TPC sec=11 Entries 281

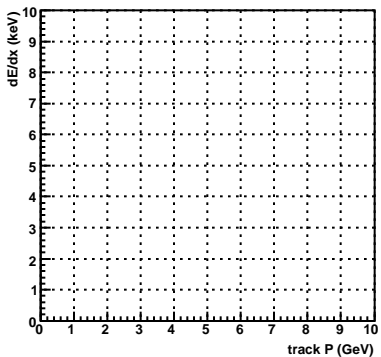


dEdX vs. P, accpted , TPC sec=12 Entries 282

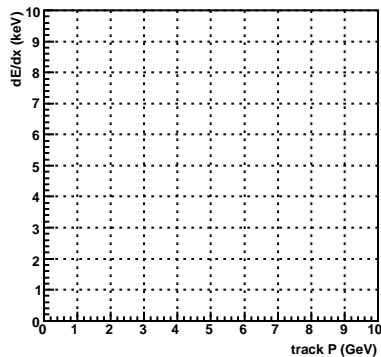


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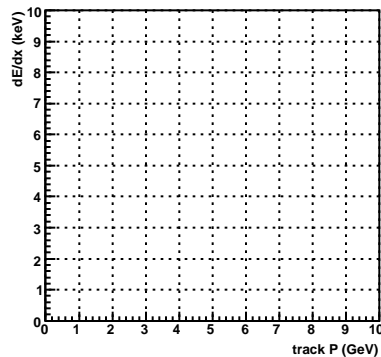
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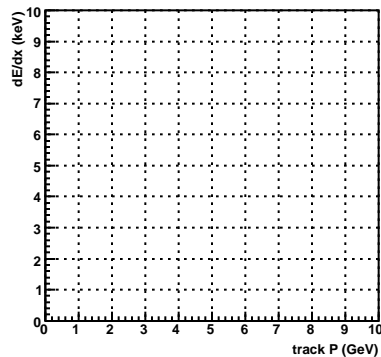
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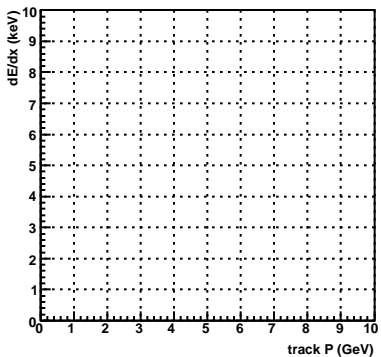
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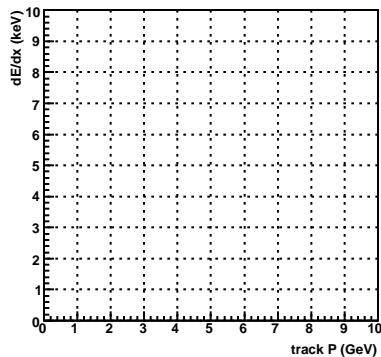
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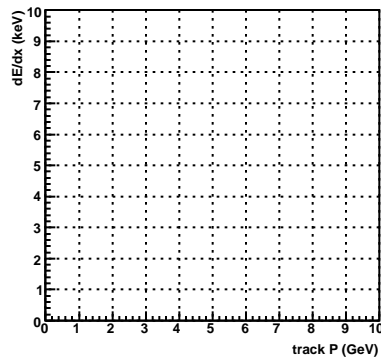
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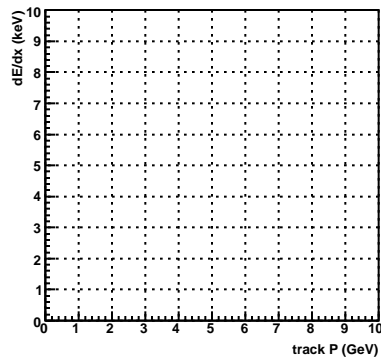
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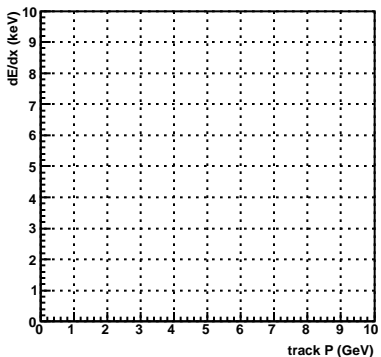
dEdX vs. P, accpted , TPC sec=19 Entries 293



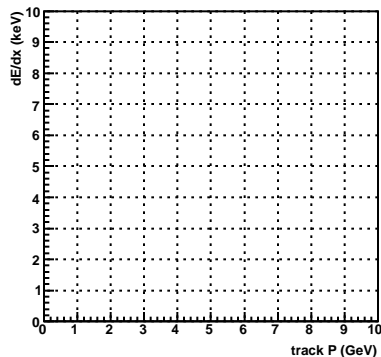
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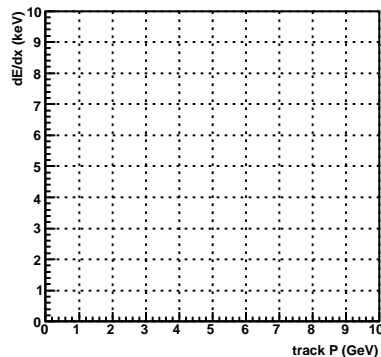
dEdX vs. P, accpted , TPC sec=21 Entries 273



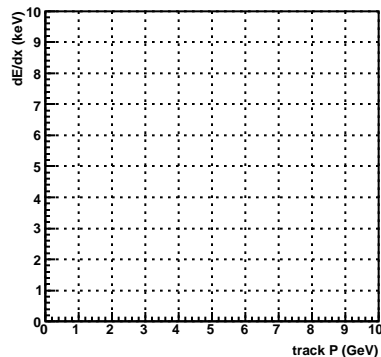
dEdX vs. P, accpted , TPC sec=22 Entries 331



dEdX vs. P, accpted , TPC sec=23 Entries 336

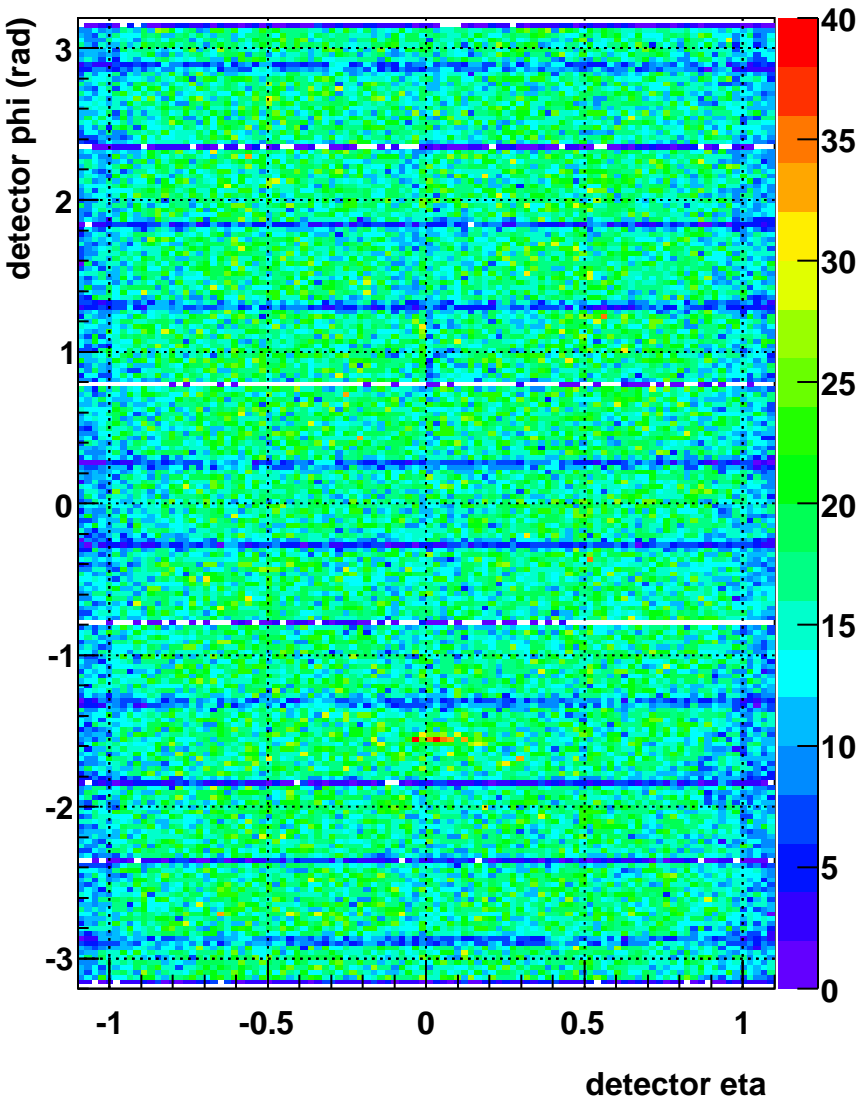


dEdX vs. P, accpted , TPC sec=24 Entries 253



lastHit on track

Entries 314487



lastHit, accepted, TPC sec=1

Entries 270

