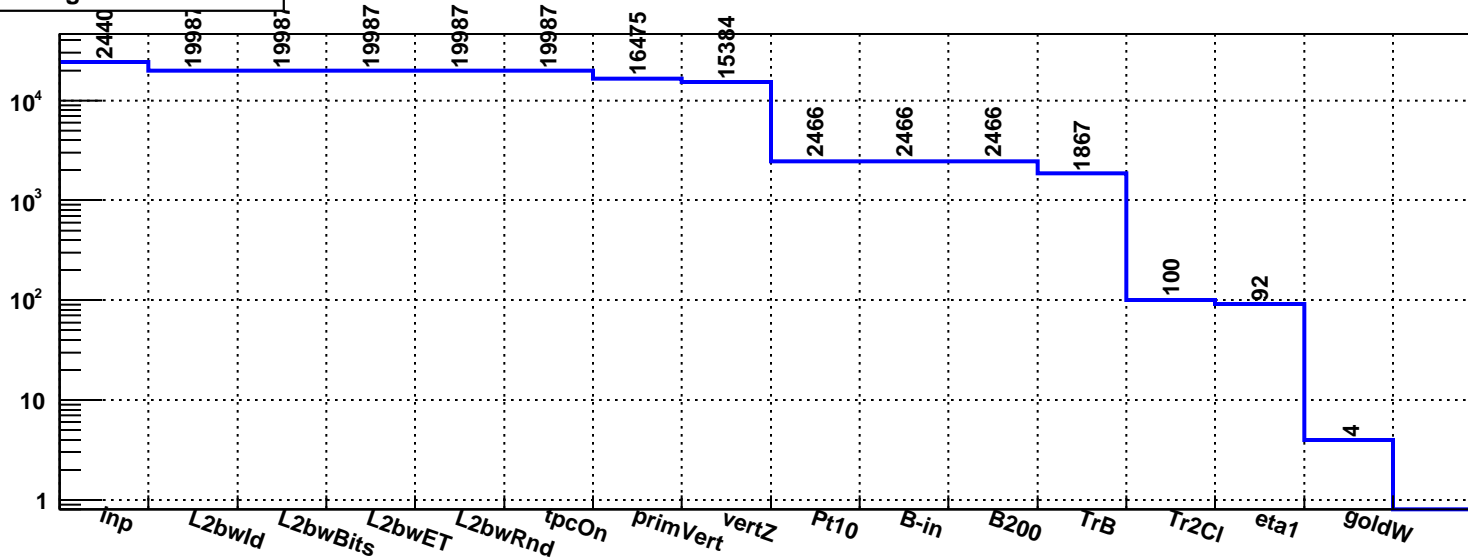
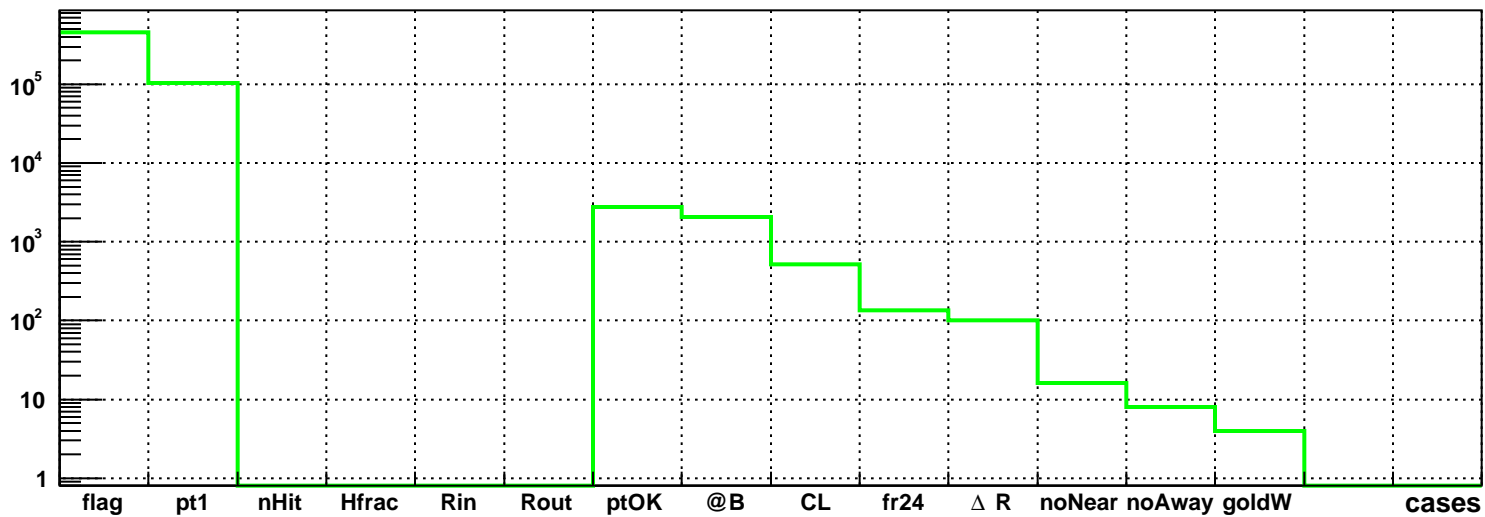


Barrel W-algo: event count

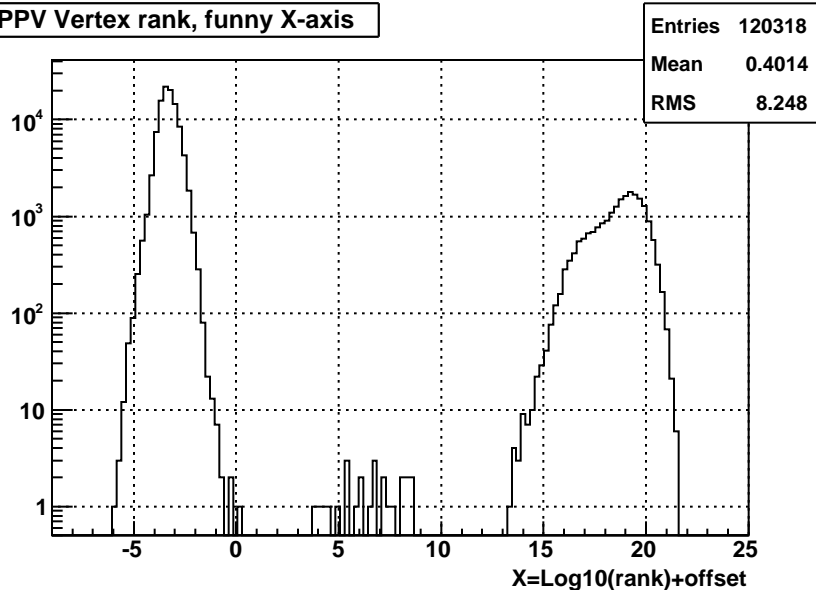


Barrel W-algo: track count

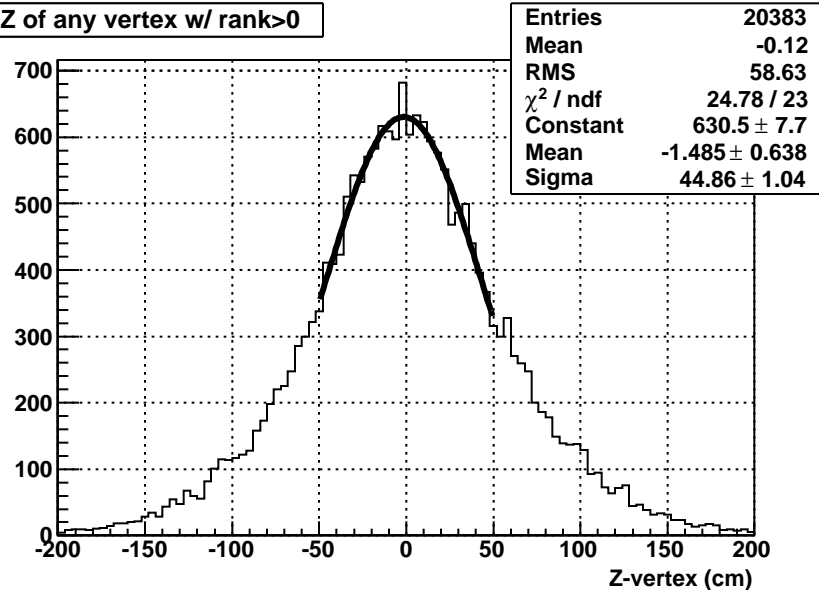


--

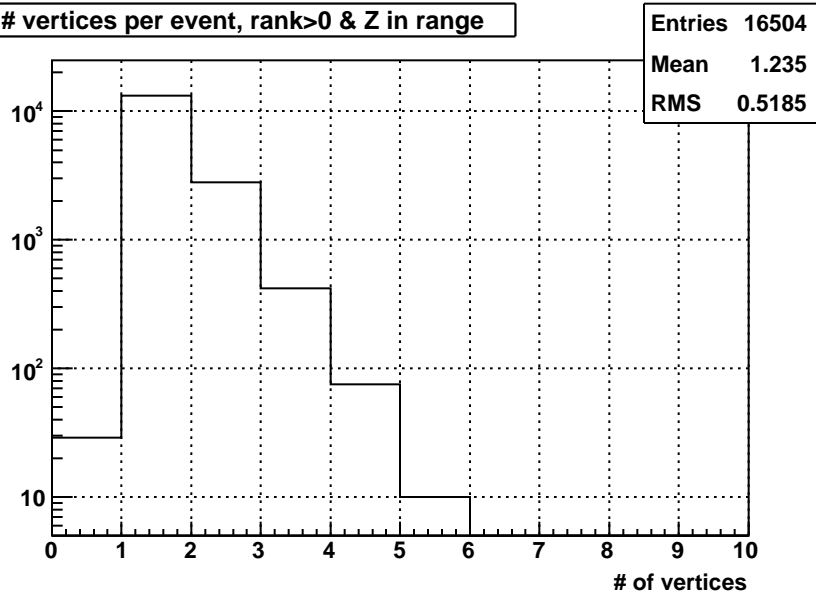
PPV Vertex rank, funny X-axis



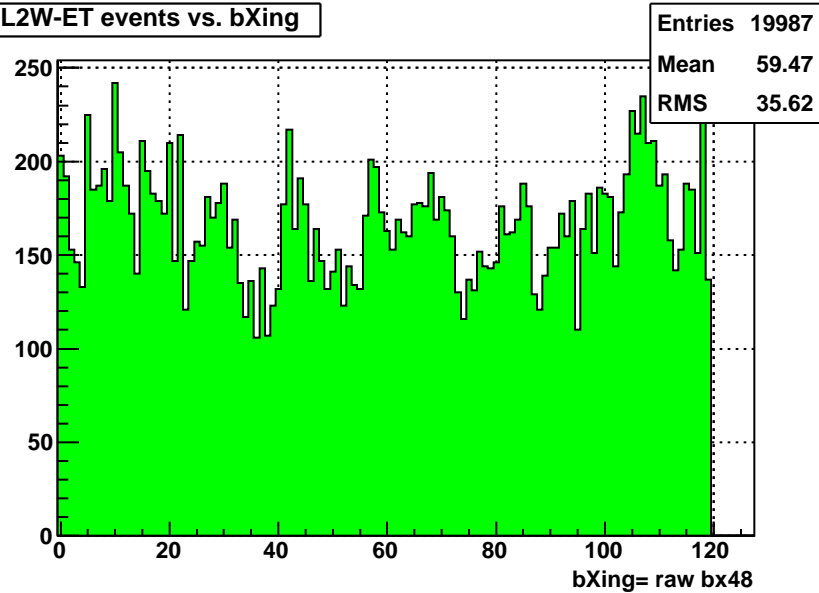
Z of any vertex w/ rank>0



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

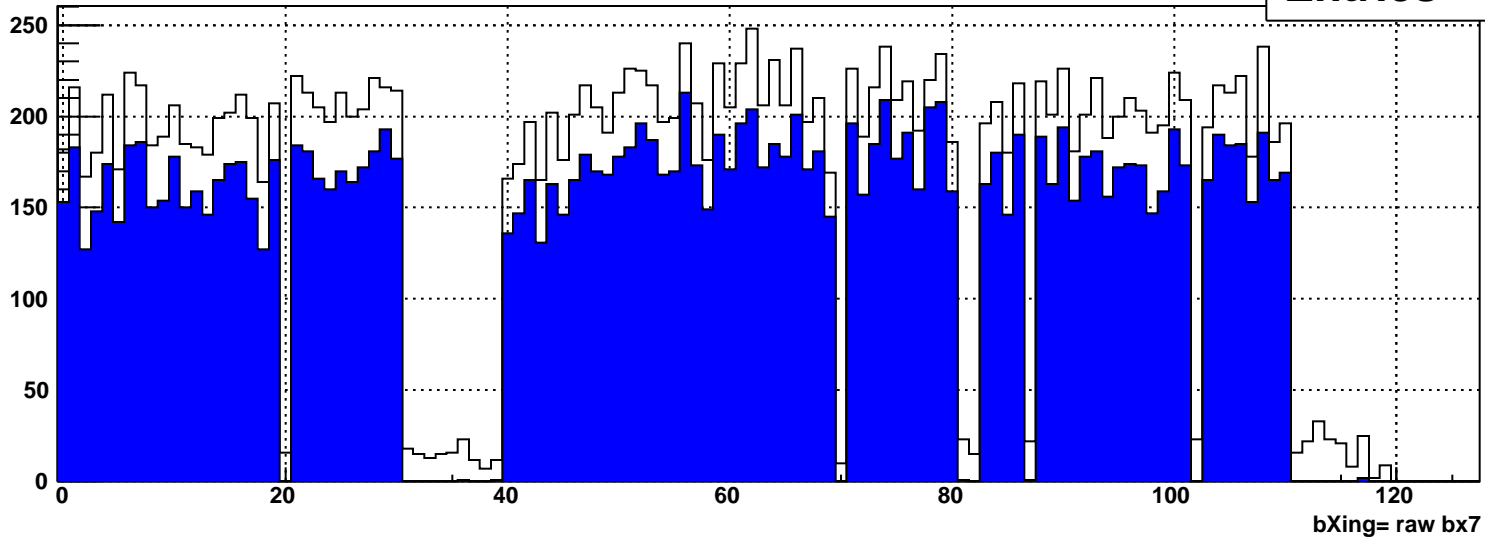


L2W-ET events vs. bXing



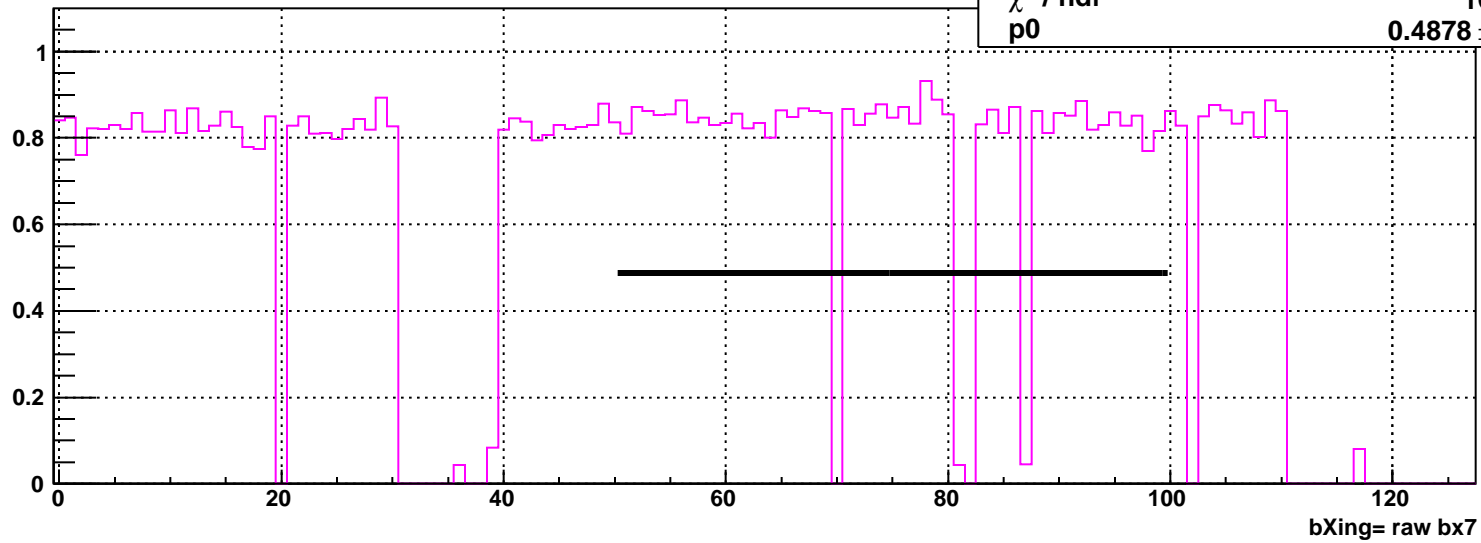
L2W-ET events vs. bXing

Entries 19987



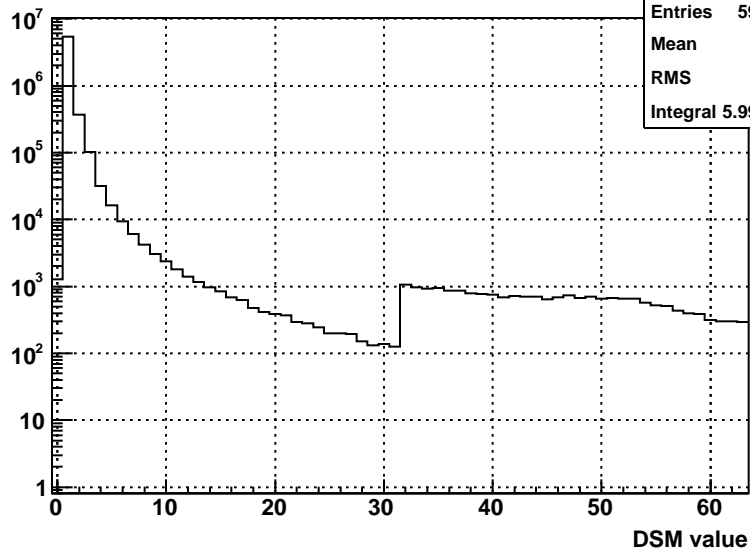
Vertex effi vs. bXing

Entries 16475  
 $\chi^2 / \text{ndf}$  16.07 / 48  
p0  $0.4878 \pm 0.0998$



--

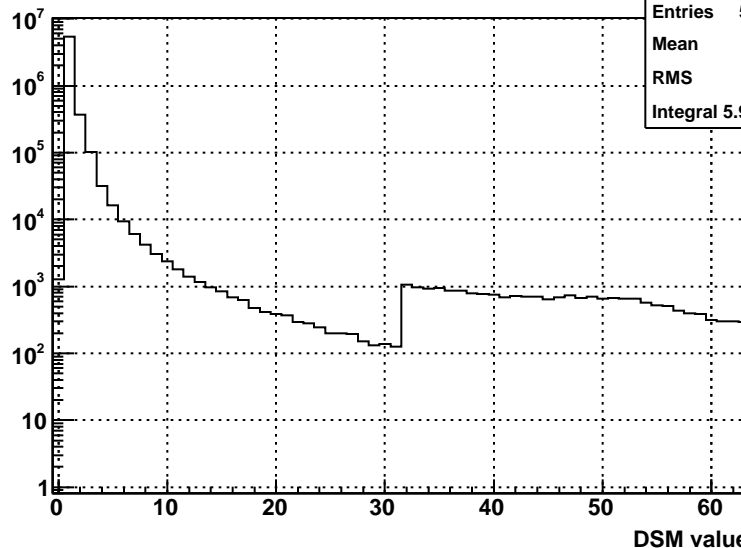
L2W-ET events DMS spectrum



muDsm1

Entries	5996100
Mean	1.329
RMS	2.775
Integral	5.996e+06

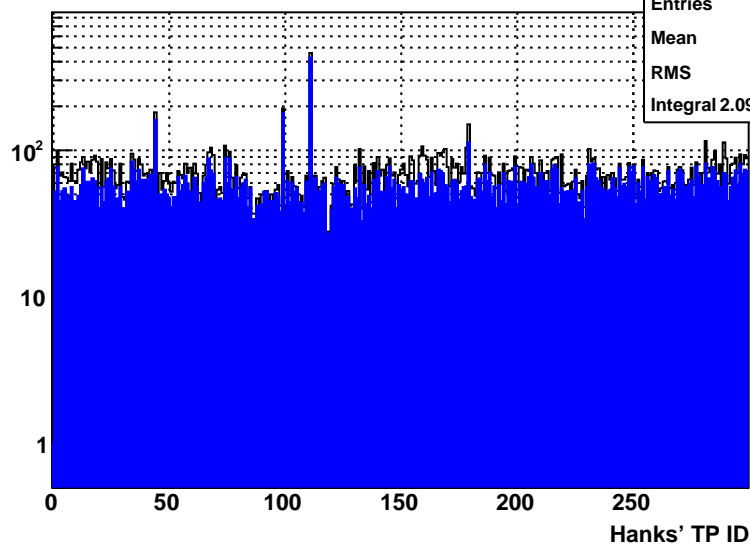
L2W-Rnd events DMS spectrum



muDsm2

Entries	5996100
Mean	1.329
RMS	2.775
Integral	5.996e+06

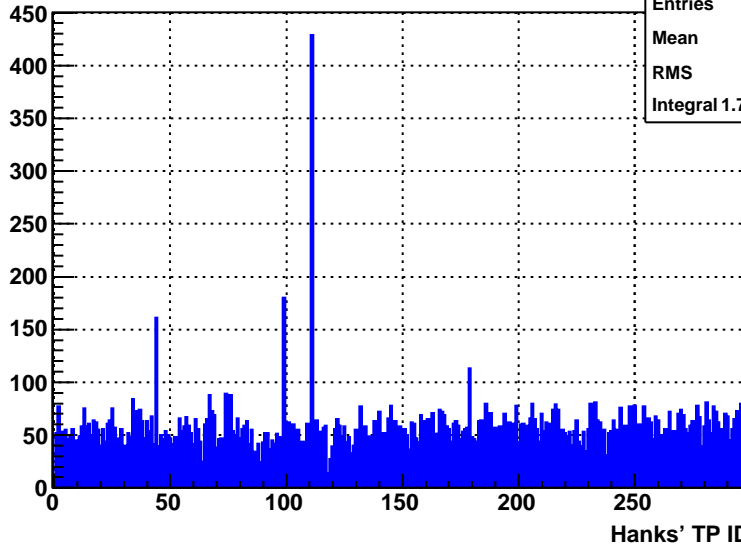
L2W-ET events w/ DMS>31 vs.BTOW TP ID bXing



muDsm3

Entries	20988
Mean	150.6
RMS	87.14
Integral	2.099e+04

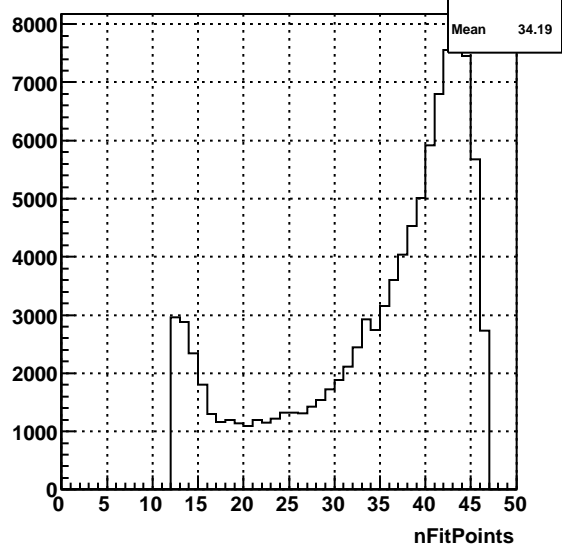
L2W-ET events w/ DMS>31 & primVertex vs.BTOW TP ID bXing



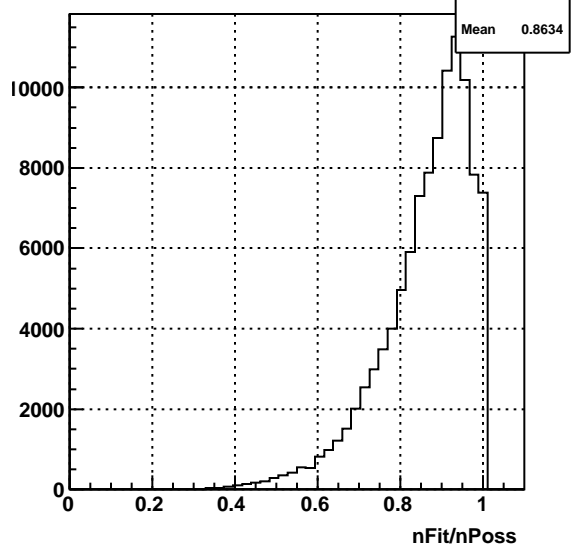
muDsm4

Entries	17337
Mean	152.3
RMS	86.72
Integral	1.734e+04

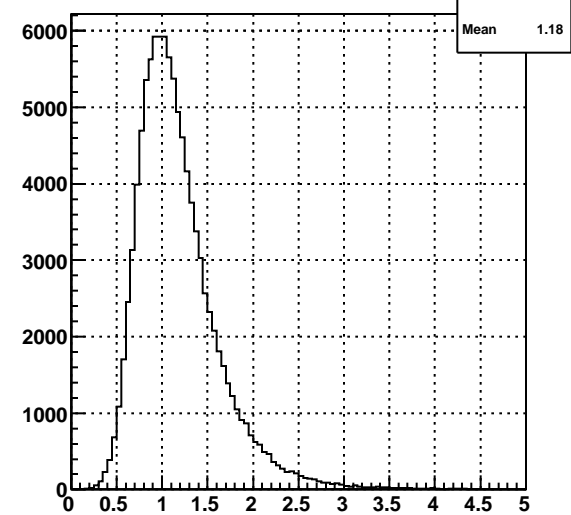
primary track in-selection & vertexZ



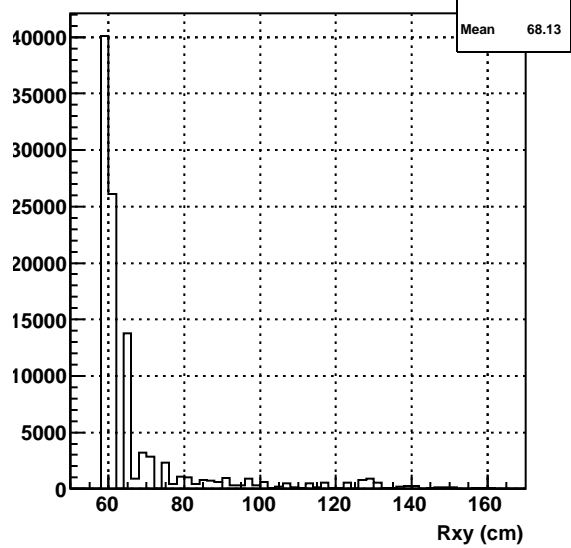
primary track in-selection & vertexZ



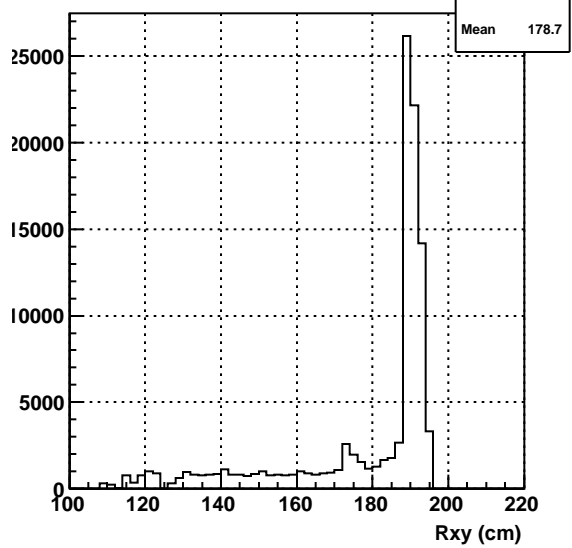
track glob chi2/dof X-Y



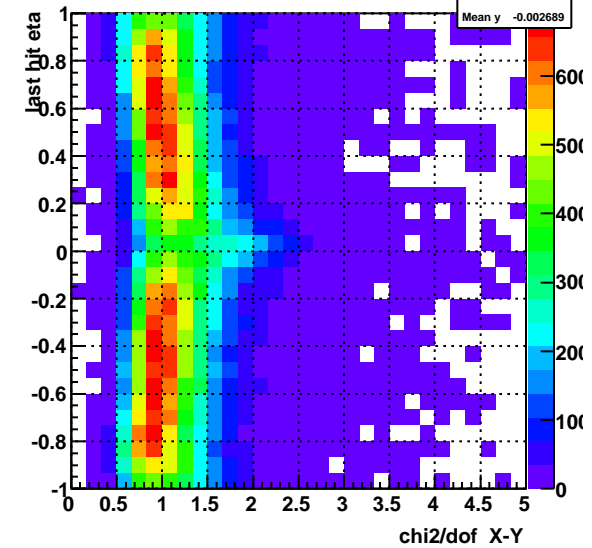
primary track first hit in-selection & vertexZ



primary track last hit in-selection & vertexZ



track glob chi2/dof



lastHit on track

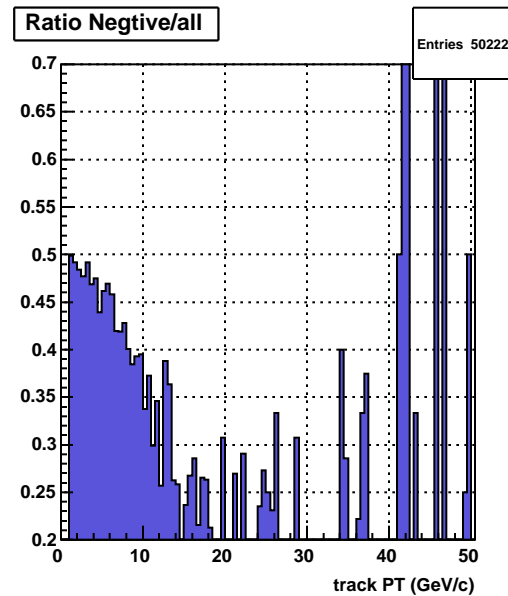
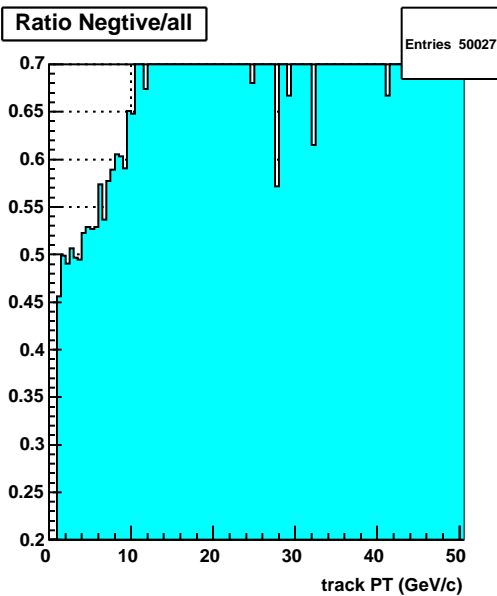
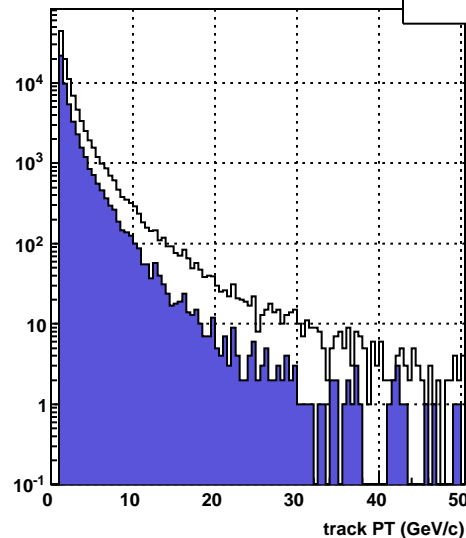
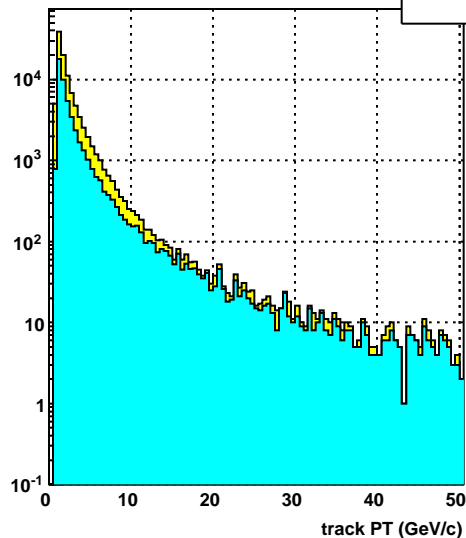
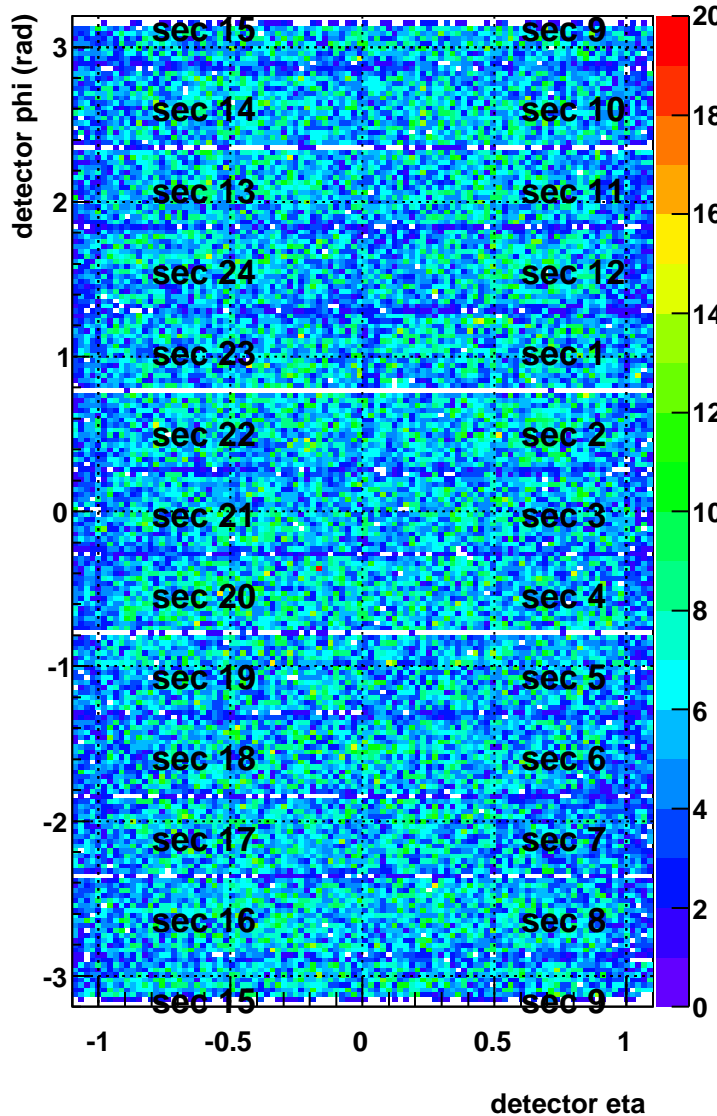
Entries 104409

global track PT

Entries104409

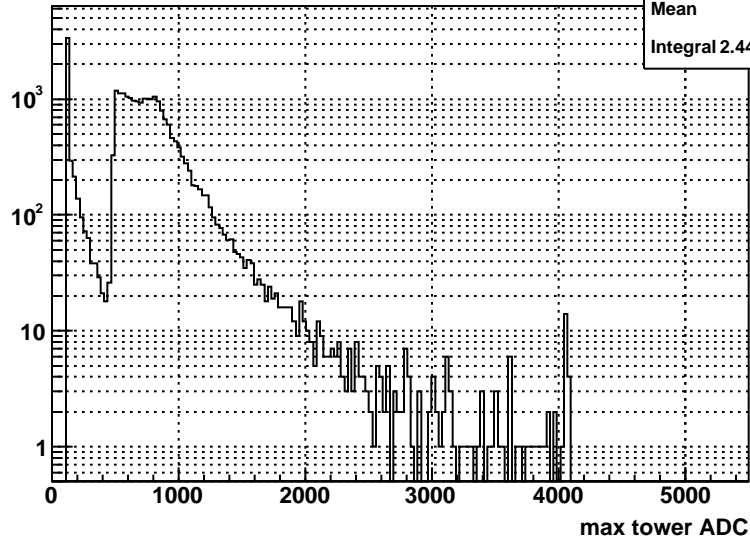
primary track PT

Entries104409



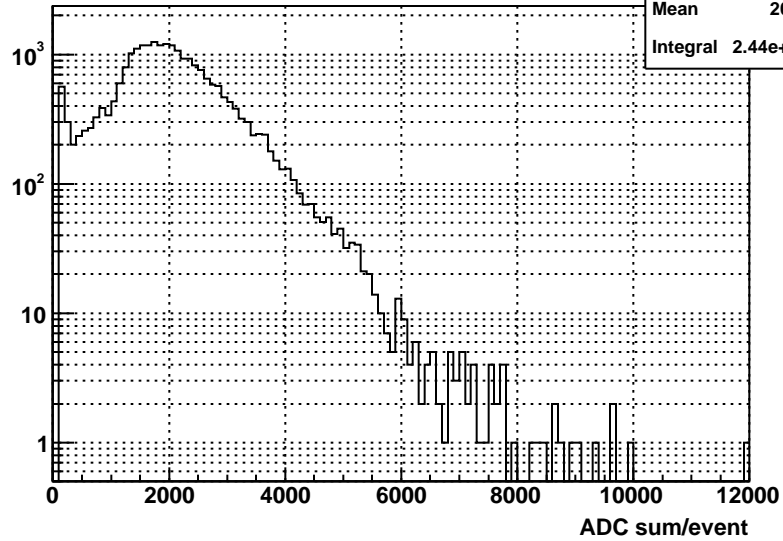
BTOW maxADC in event, in-selection

Entries 24406  
 Mean 693  
 Integral 2.441e+04



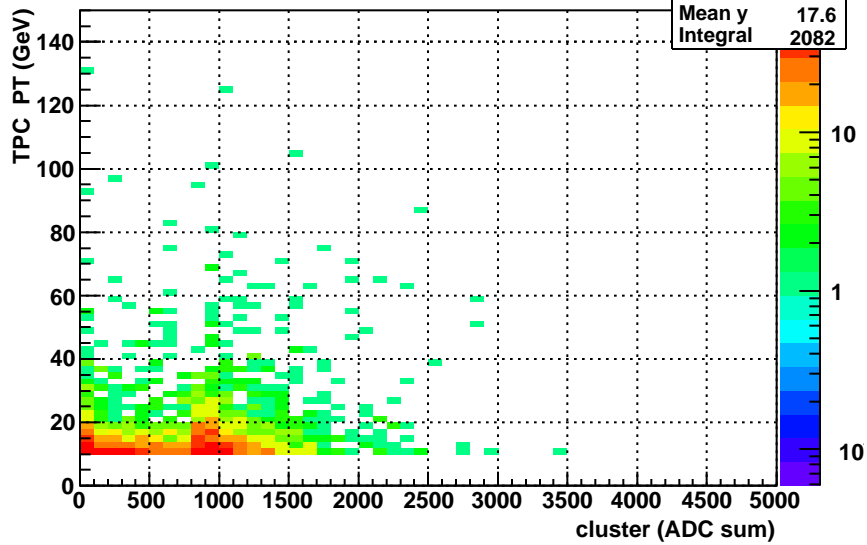
BTOW sum of ADC>thres , in-selection

Entries 24406  
 Mean 2051  
 Integral 2.44e+04



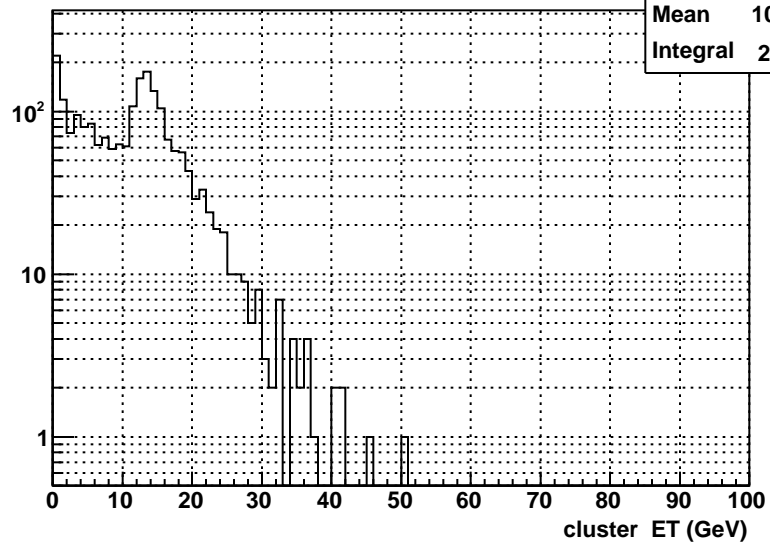
matched TPC PT vs. 2x2 cluster ADC sum

Entries 2085  
 Mean x 739.3  
 Mean y 17.6  
 Integral 2082



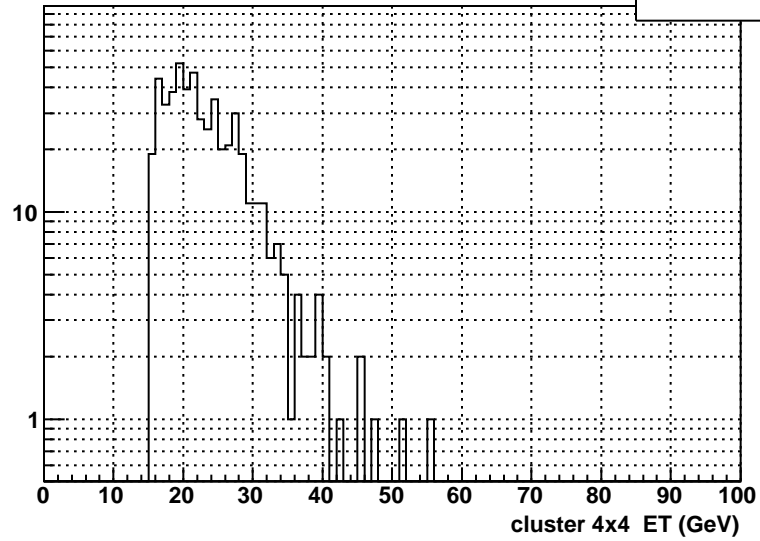
matched BTOW 2x2 cluster ET

Entries 2085  
 Mean 10.72  
 Integral 2085



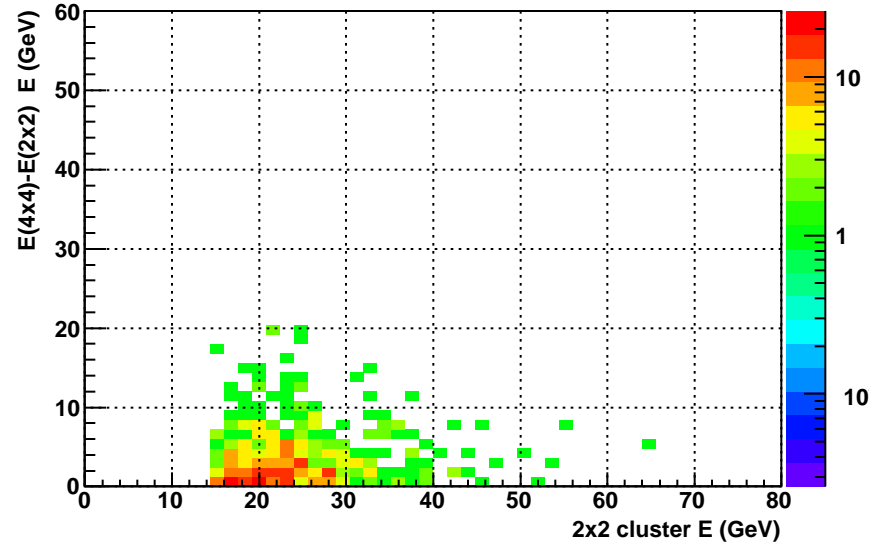
matched BTOW 4x4 cluster ET

Entries 522



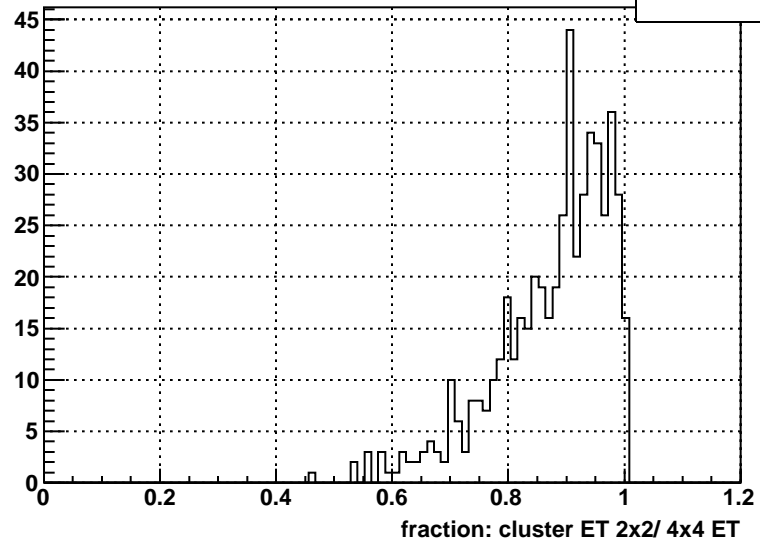
Excess energy in 4x4 cluster vs. 2x2 E

Entries 522



ratio (2x2/4x4) cluster ET

Entries 522

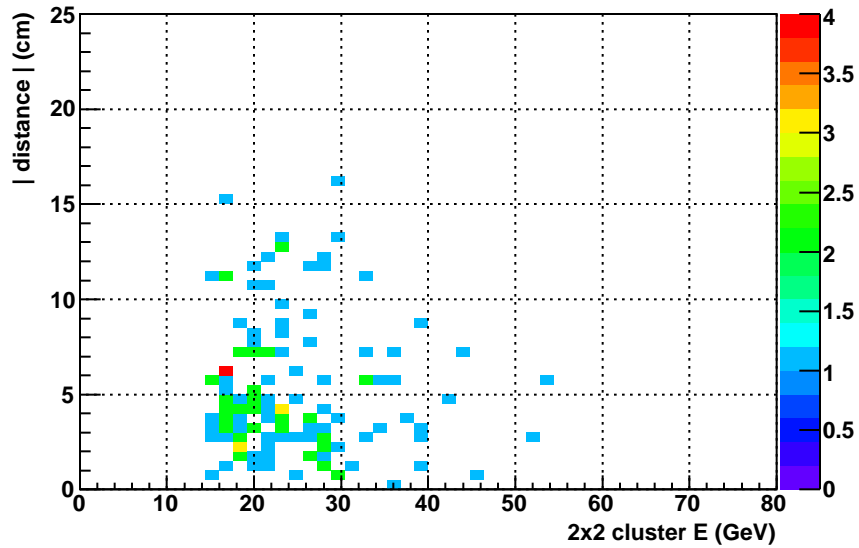




--

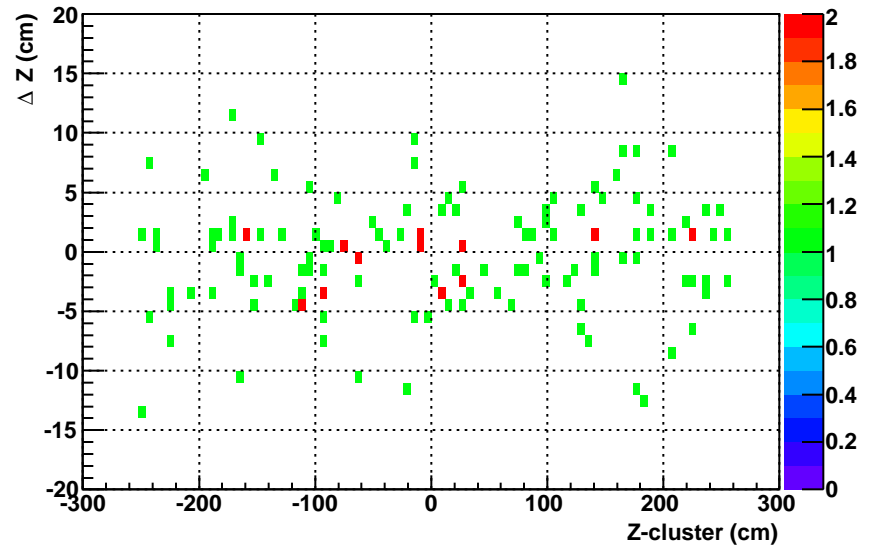
3D Distance(track-cluster) vs. 2x2 E

Entries 136



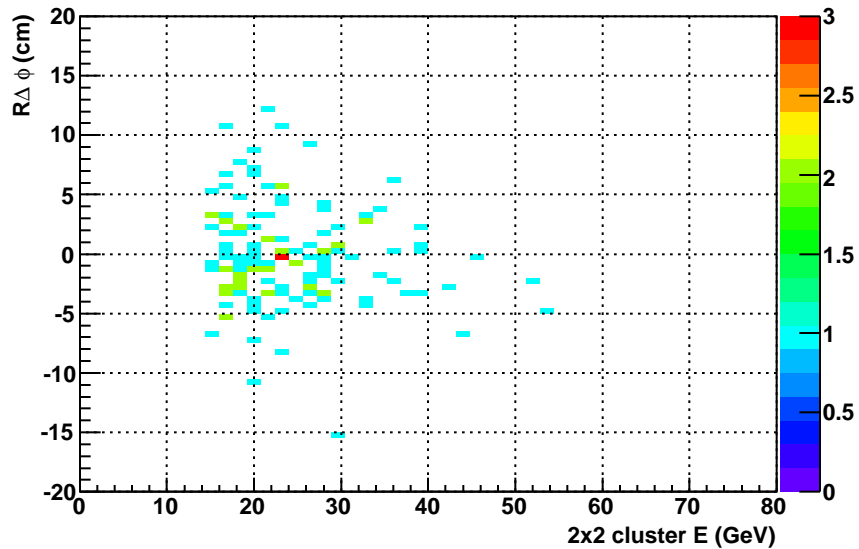
$\Delta Z$  (track-cluster) vs. Z-clust

Entries 136



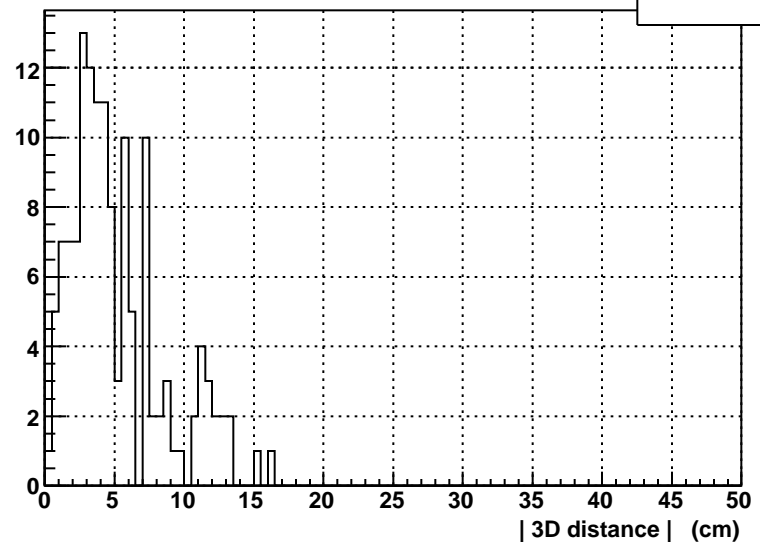
$R\Delta\phi$  (track-cluster) vs. 2x2 E

Entries 136



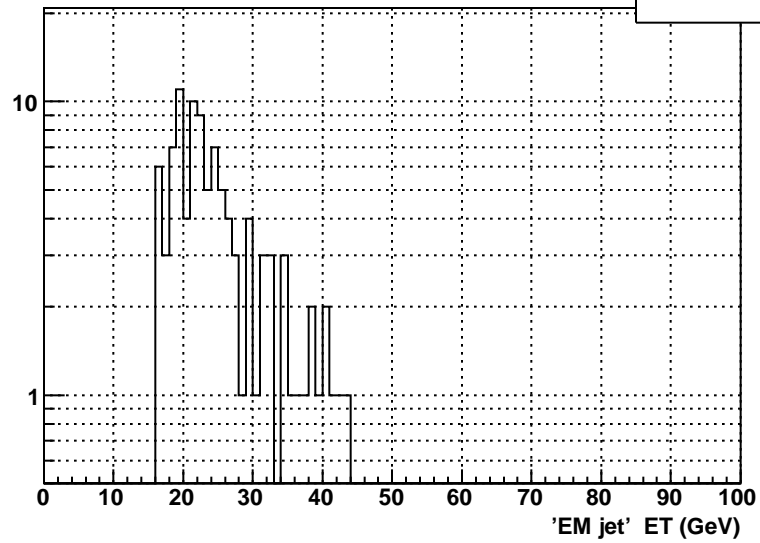
3D Distance(track-cluster) vs. 2x2 E

Entries 136



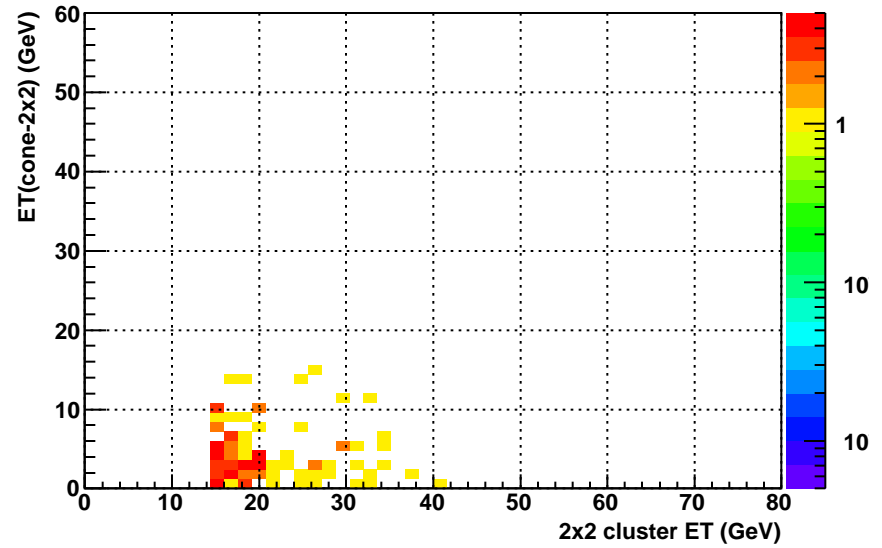
near 'EM jet' ET

Entries 100



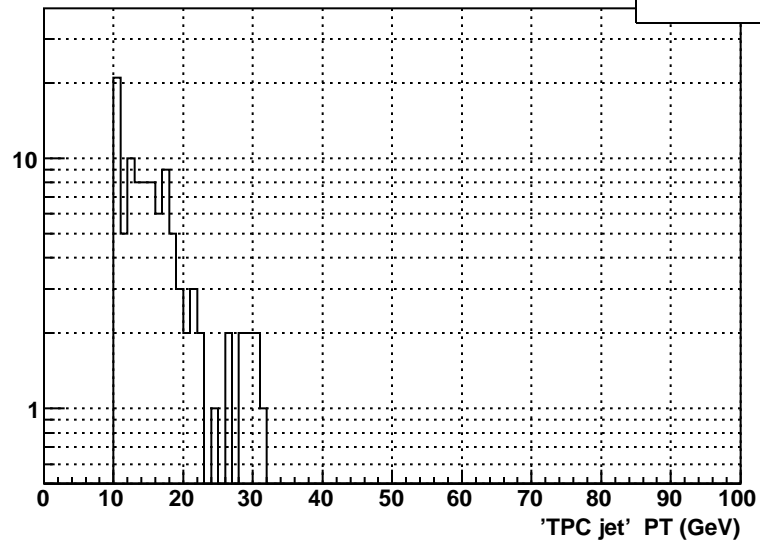
Excess nearCone ET vs. 2x2 E

Entries 100



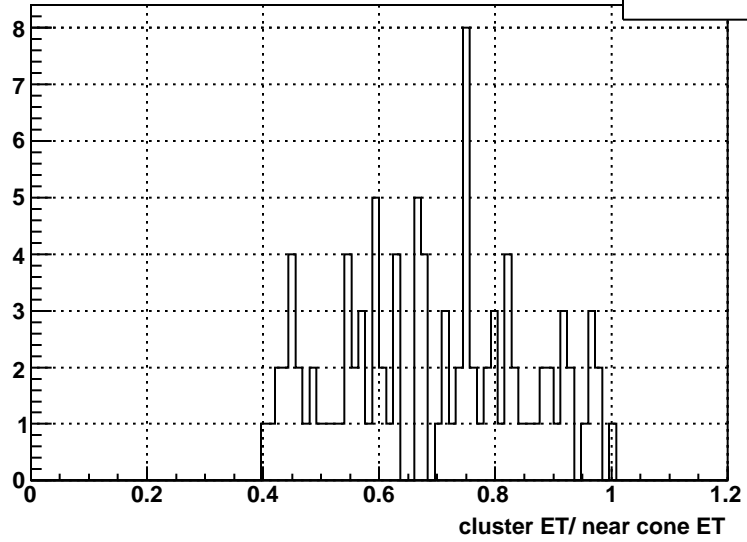
quenched near 'TPC jet' PT

Entries 100



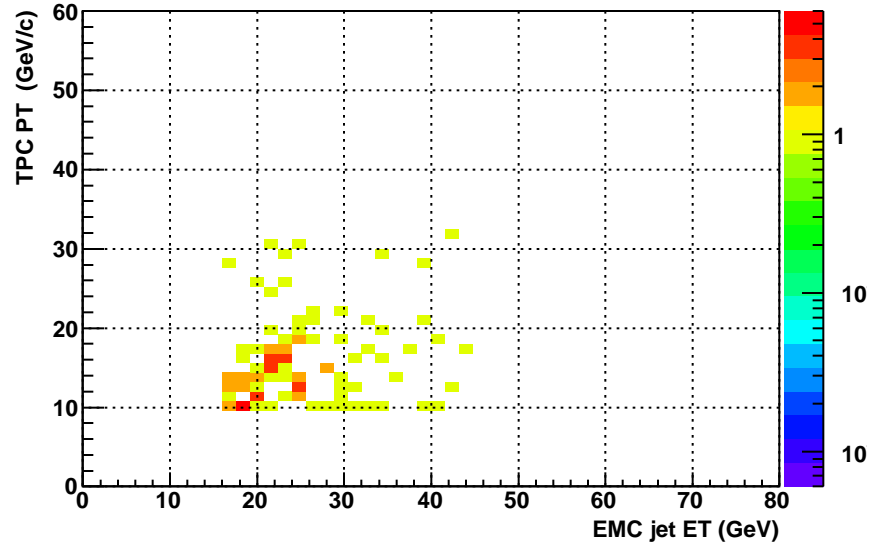
ratio (2x2/nearCone) ET

Entries 100



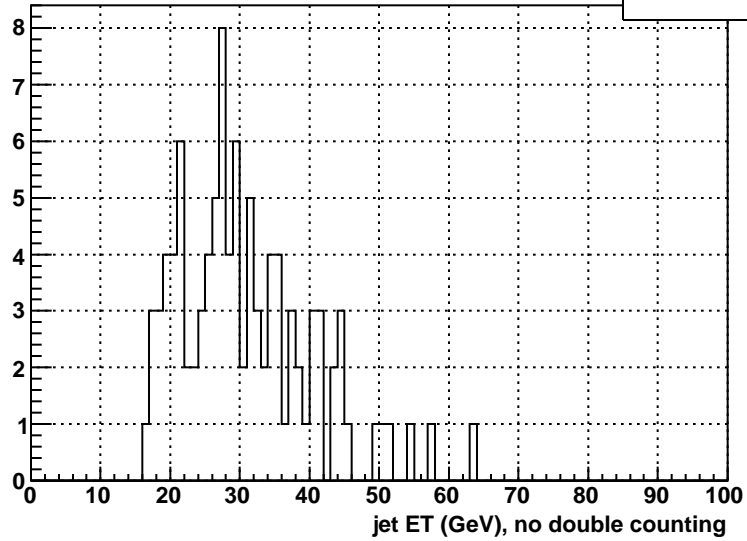
quenched near 'TPC jet' vs. near 'EMC jet'

Entries 100



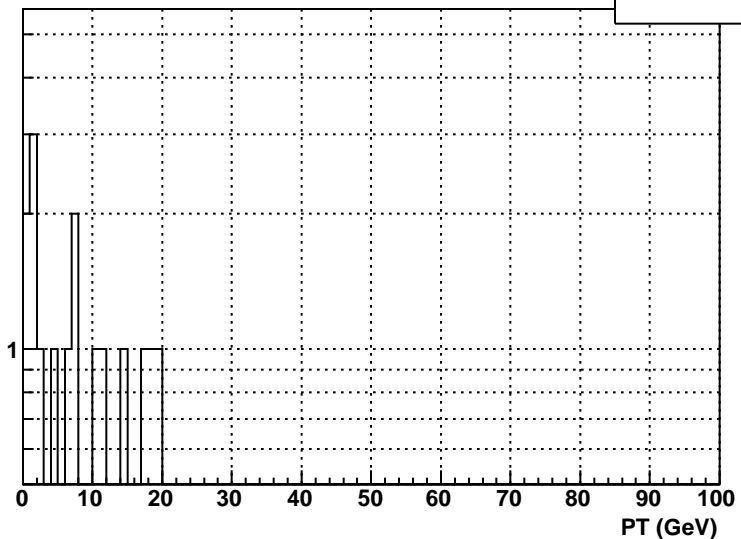
near 'TPC+EMC jet' ET

Entries 100



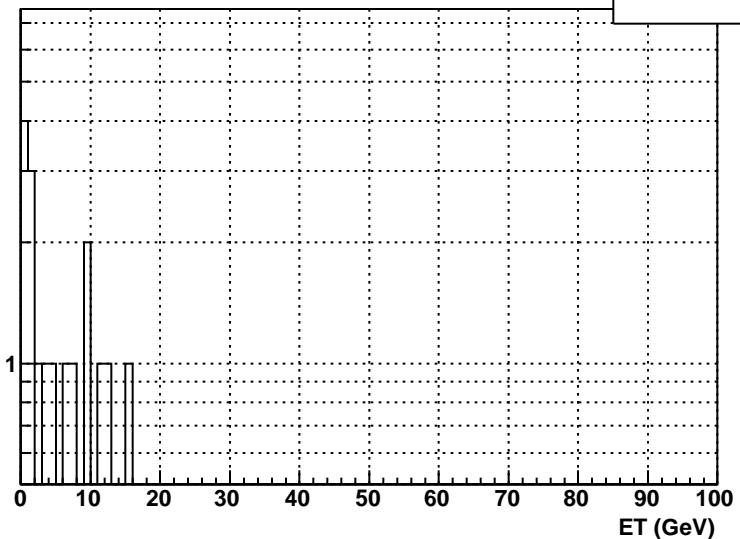
TPC away-cone PT sum

Entries 16



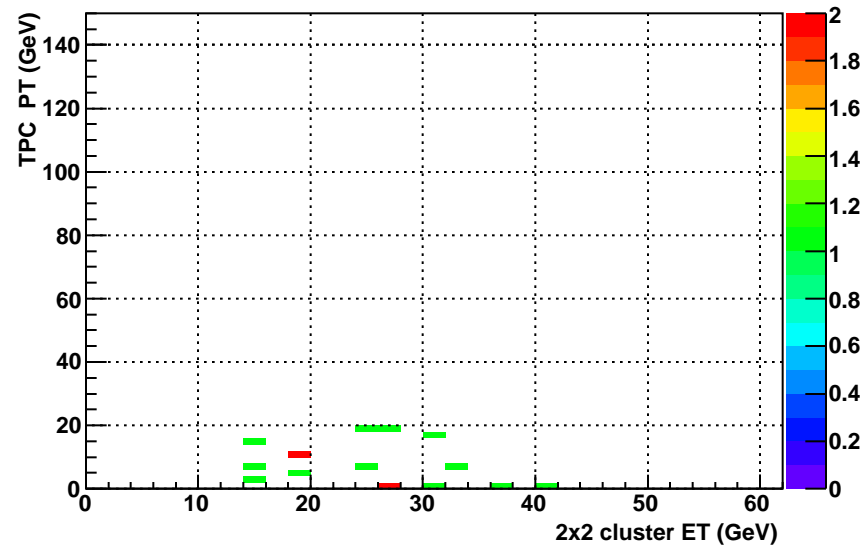
BTOW away-cone ET sum

Entries 16



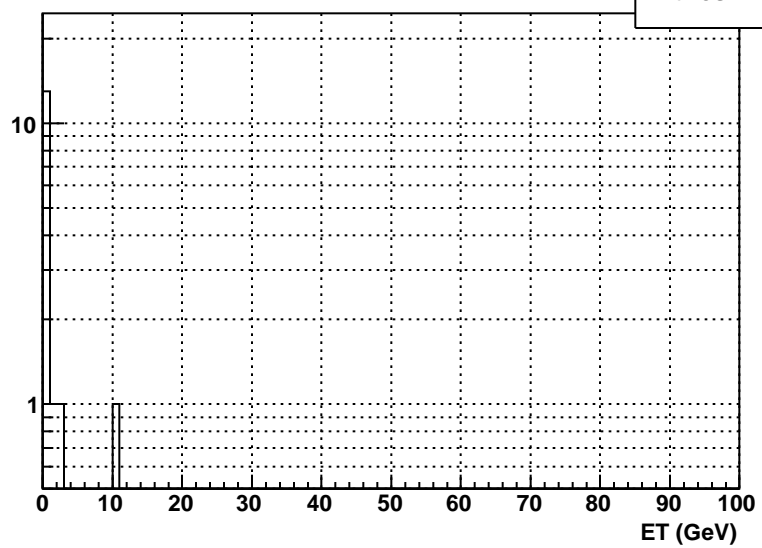
TPC PT vs. isolated cluster 2x2 ET, matched

Entries 16



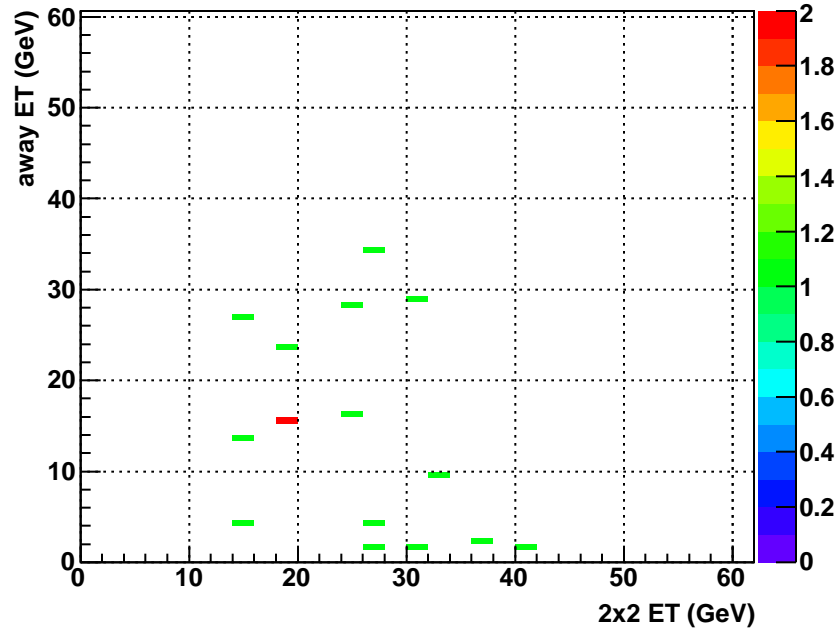
ETOW away-cone ET sum

Entries 16



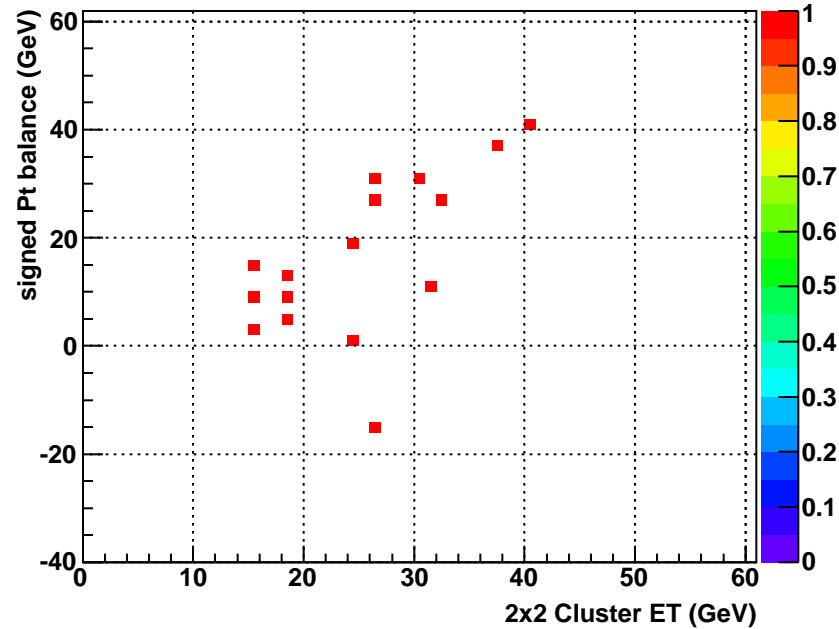
away TPC+EMC ET sum vs. 2x2 cluster ET

Entries 16



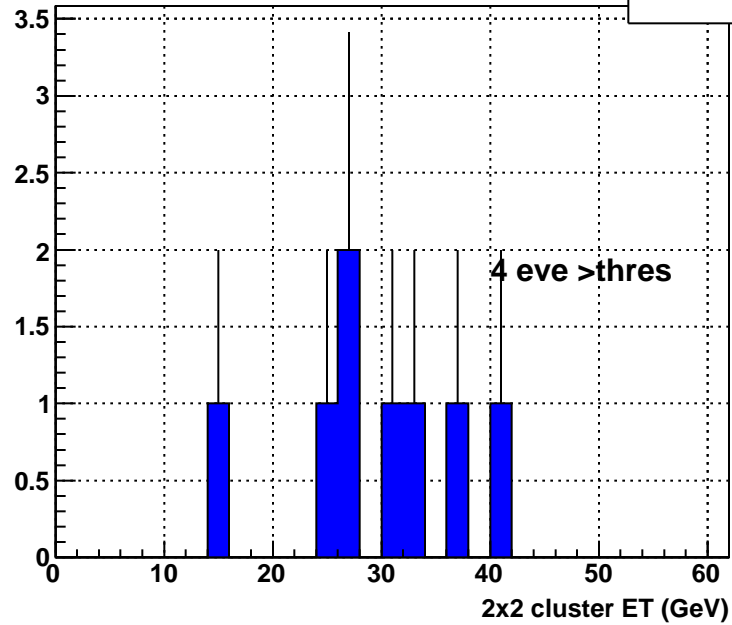
sPtBalance vs cluster ET

Entries 16



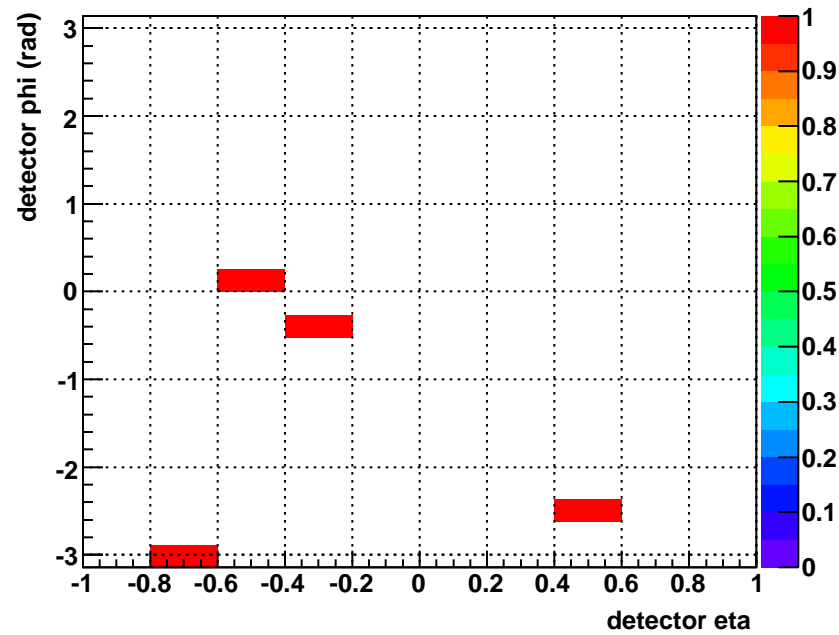
Final selection

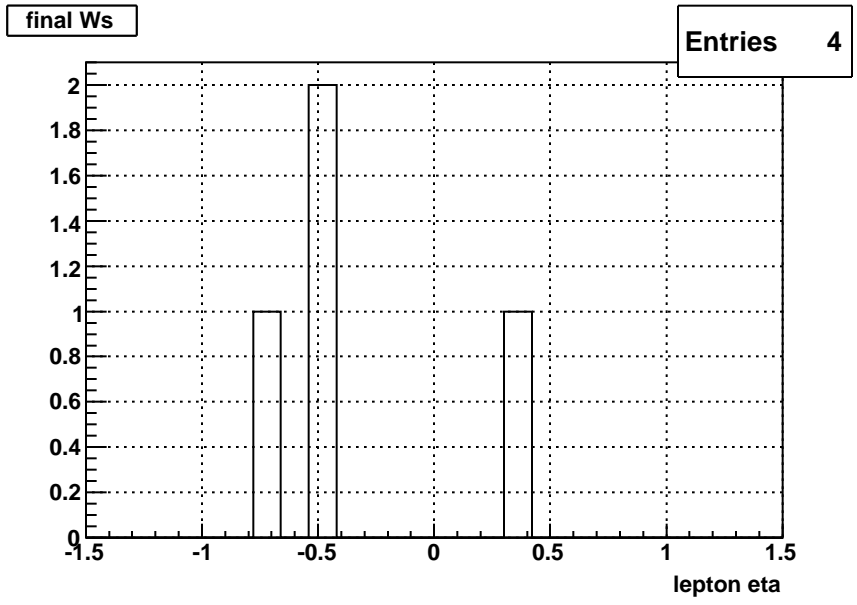
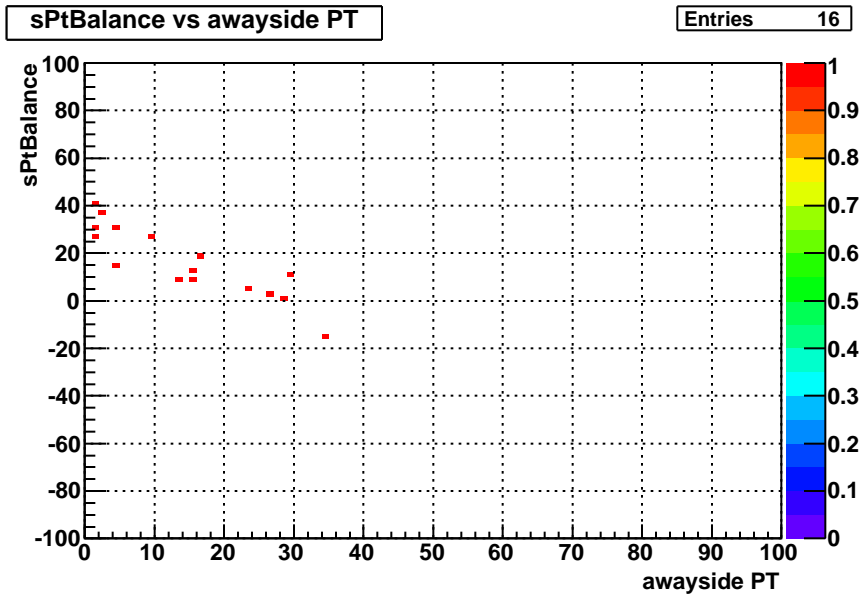
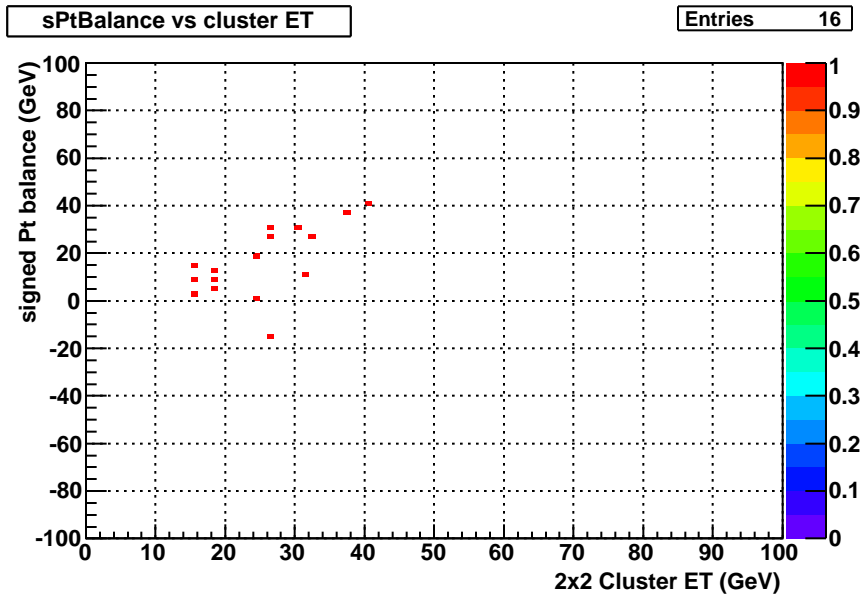
Entries 8



Final W selection, ET>28 GeV 'goldenW'

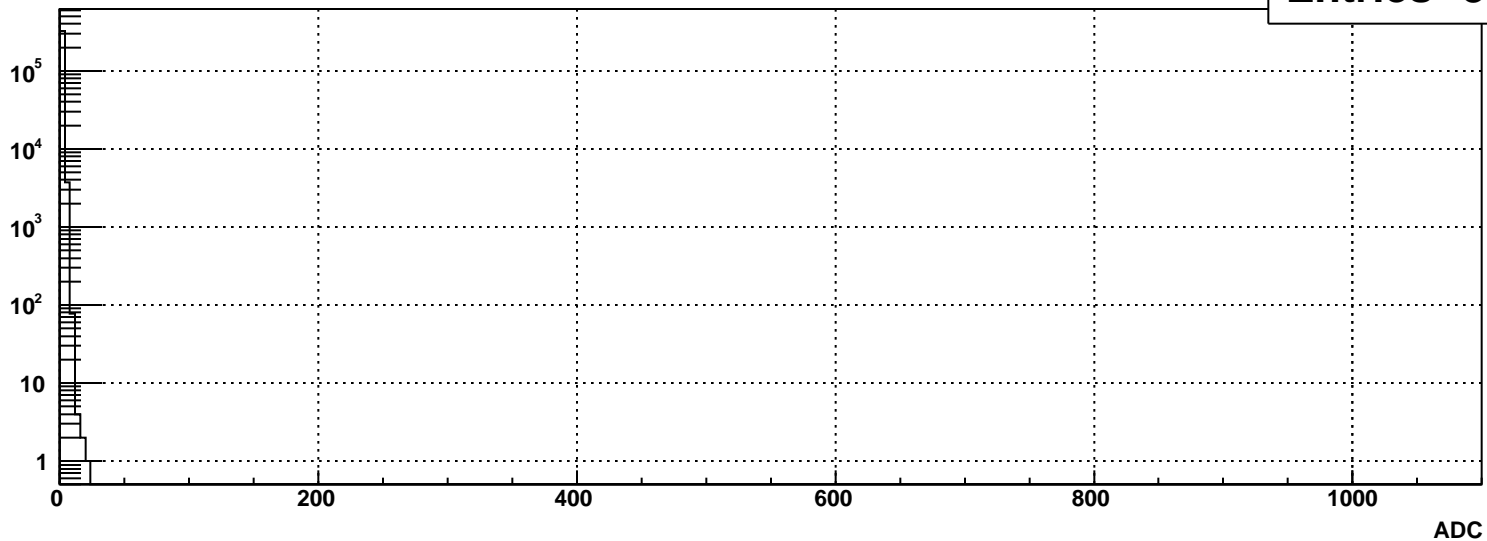
Entries 4





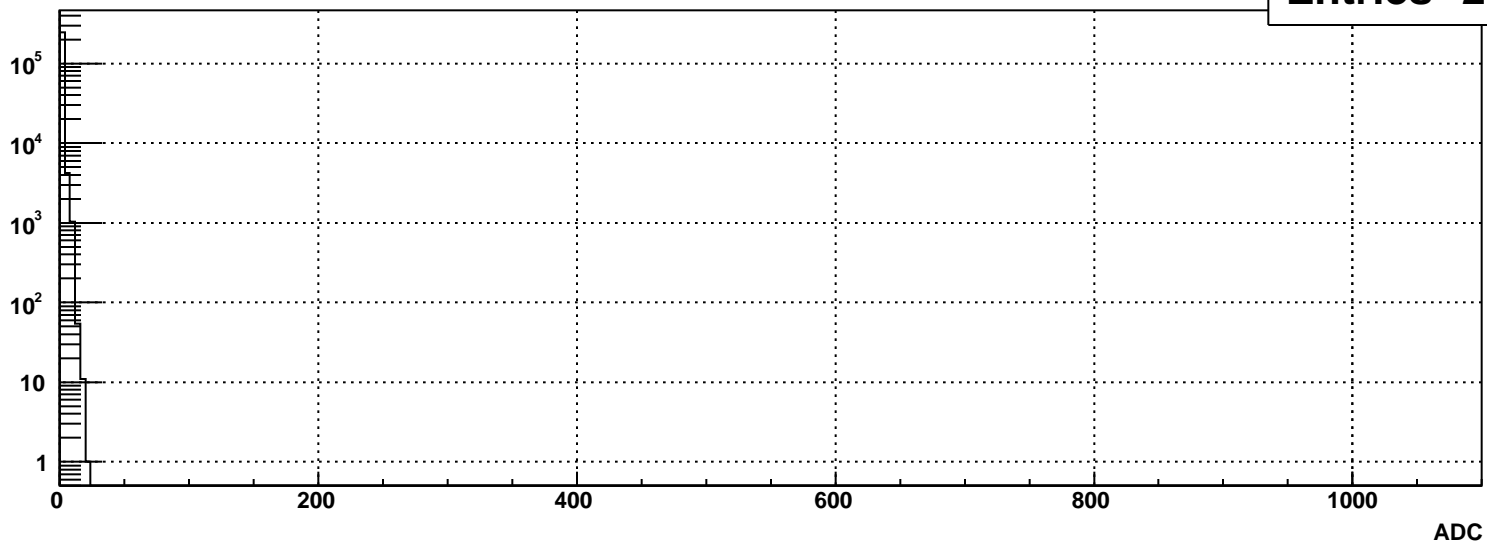
BSMD-E whole plane ADC

Entries 330906



BSMD-P whole plane ADC

Entries 251164

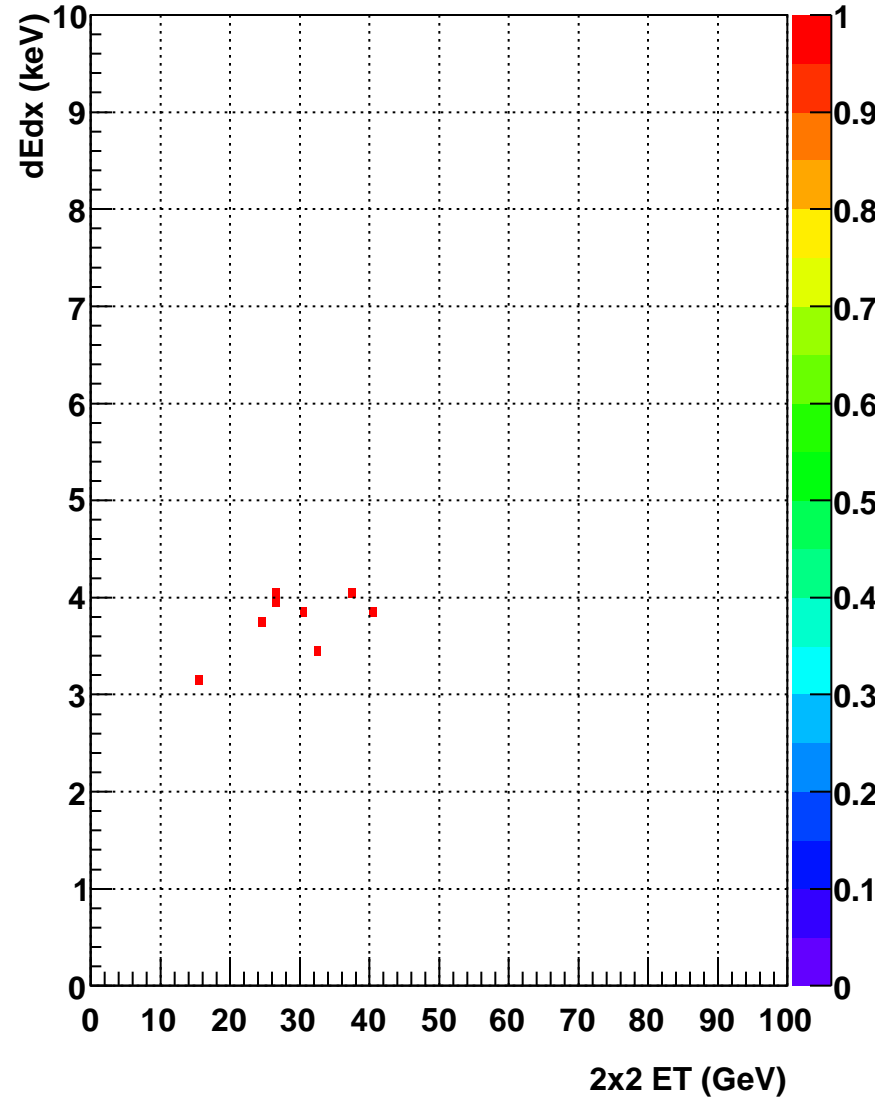
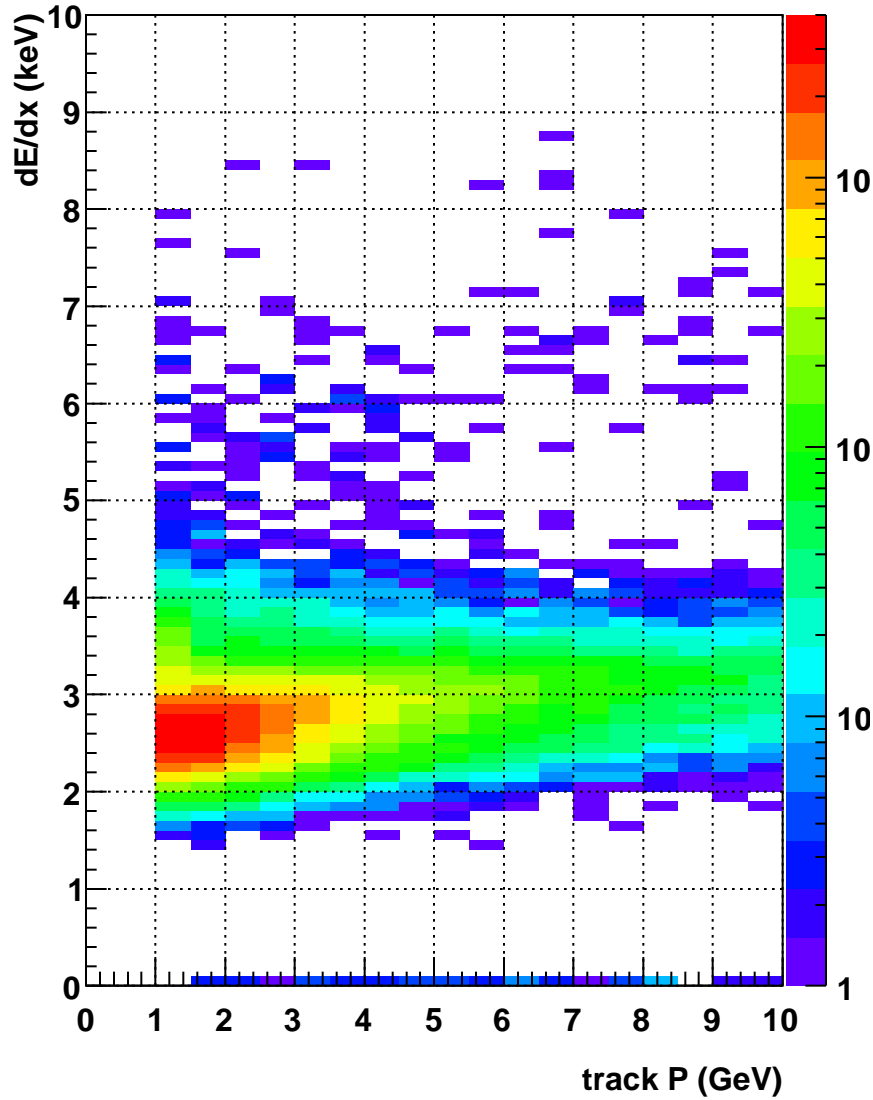


dEdX vs. momentum

Entries 104409

Track dEdx, final W selection

Entries 8

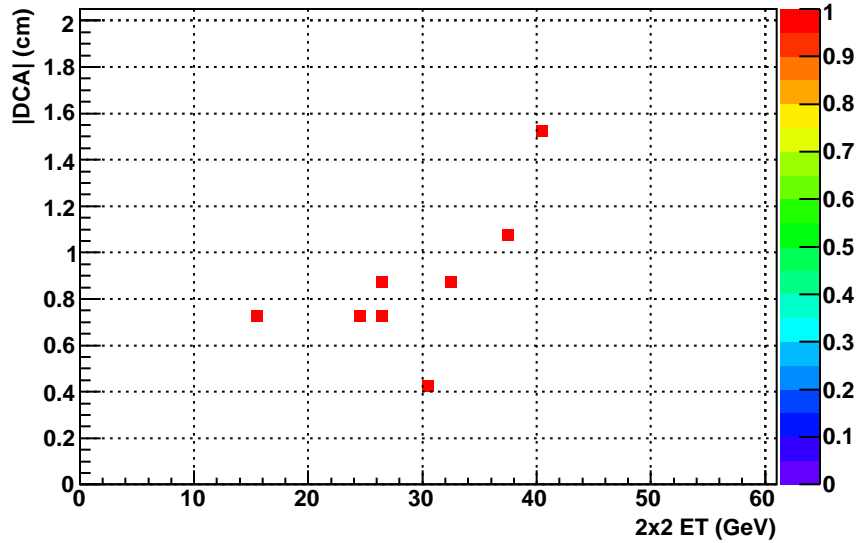




--

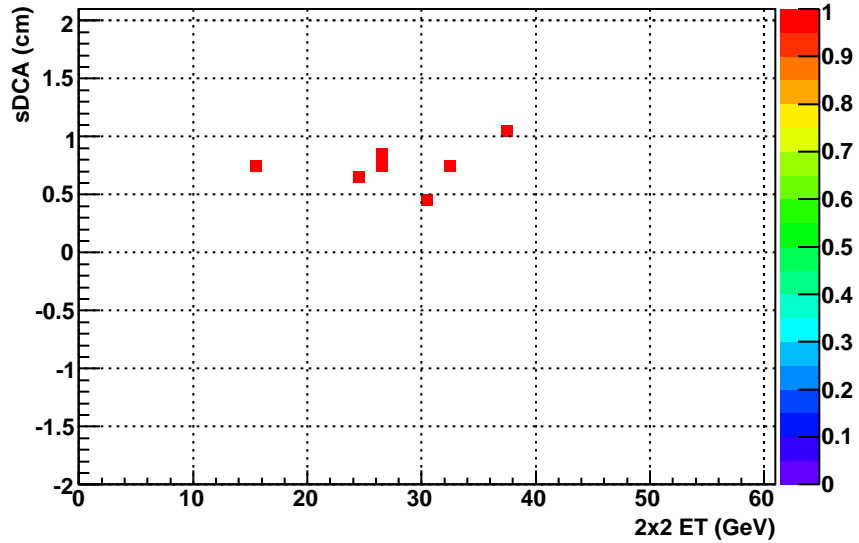
Track glob vertex abs(DCA), final W

Entries 8



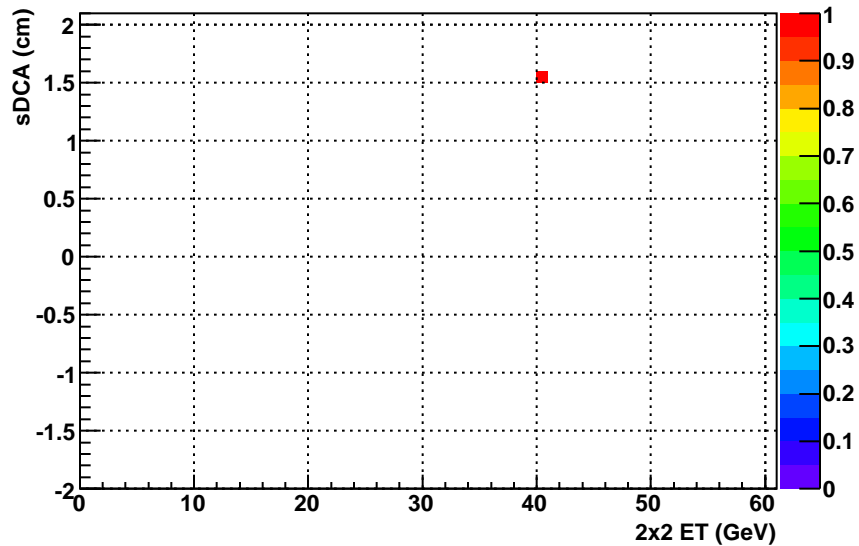
Track prim POSITIVE glob signed DCA, final W

Entries 7



Track prim NEGATIVE glob signed DCA, final W

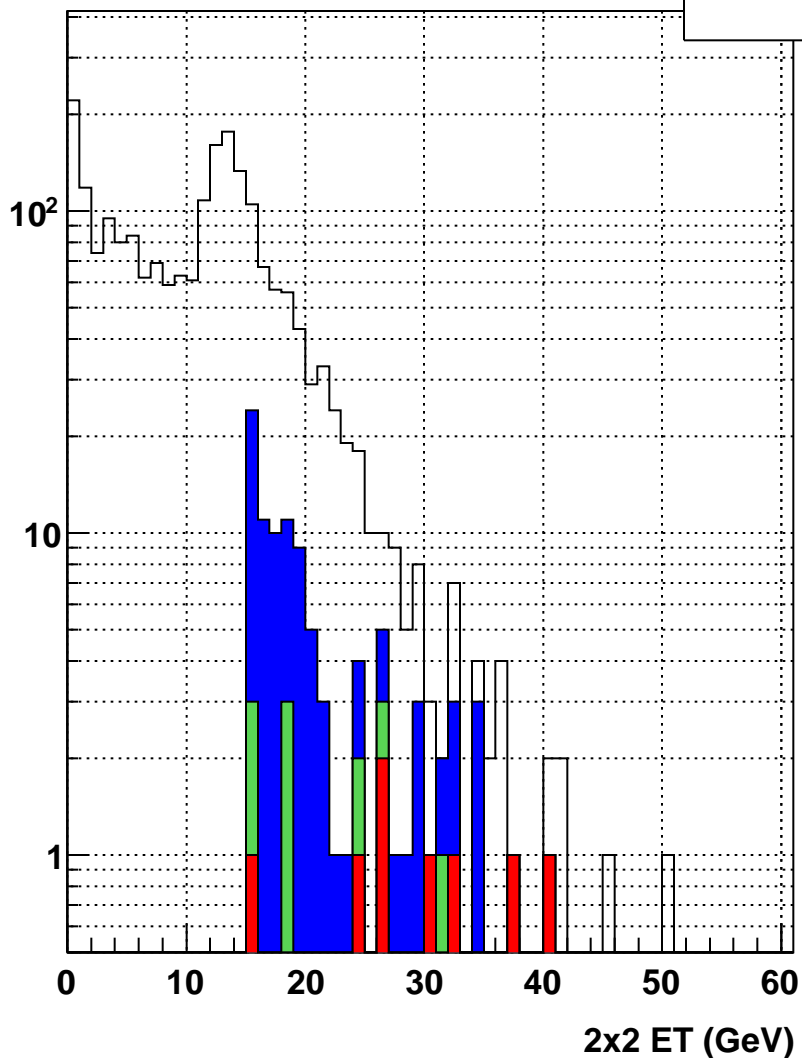
Entries 1



--

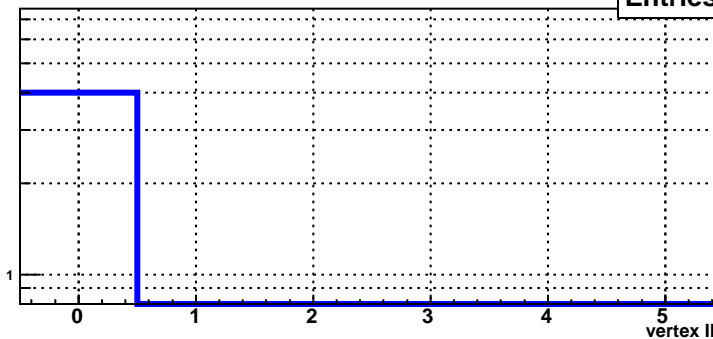
electron candidate, cut=max 2x2

Entries 2085



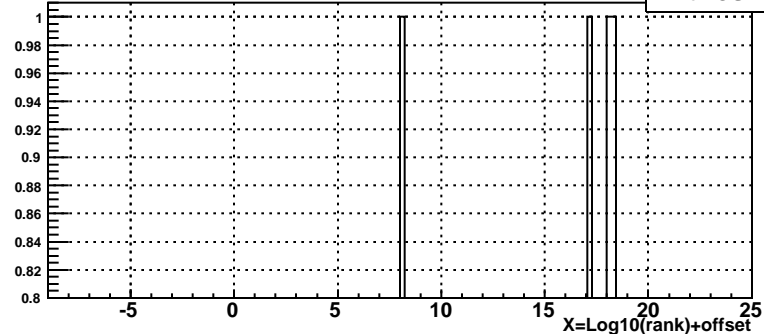
Vertex ID, final W selection, 2x2 ET>28 GeV

Entries 4



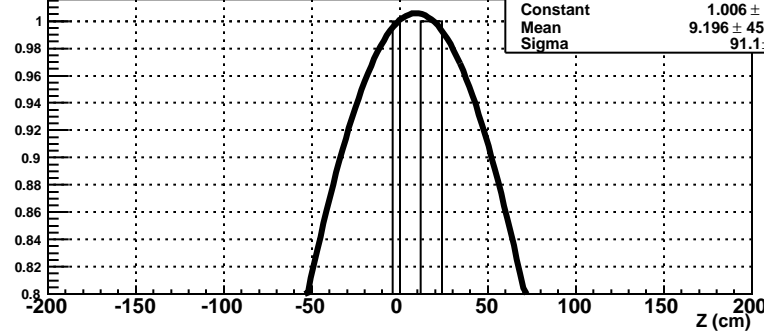
Vertex 'funny' rank, final W selection, 2x2 ET>28 GeV

Entries 4



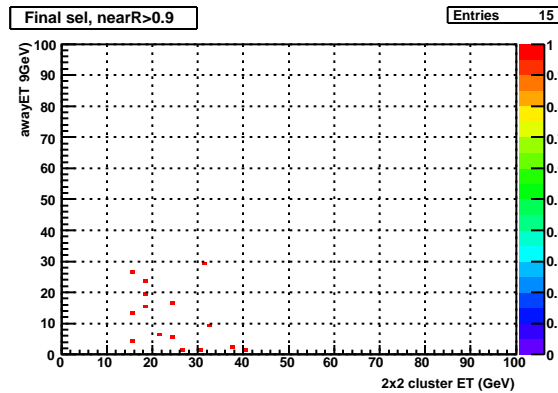
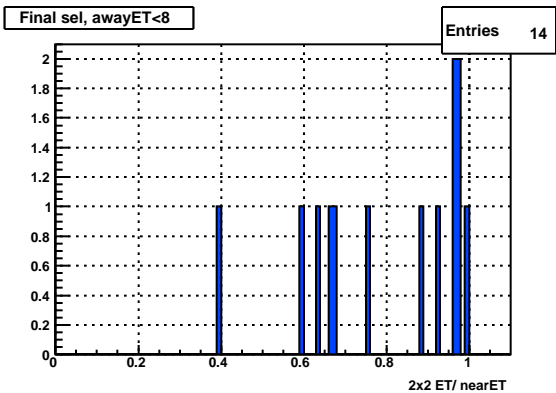
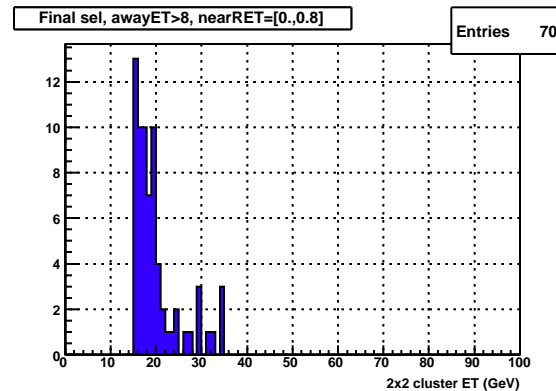
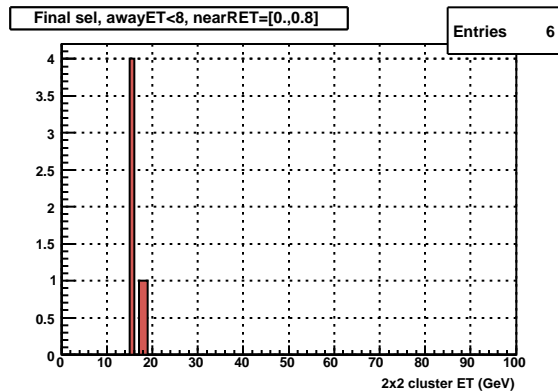
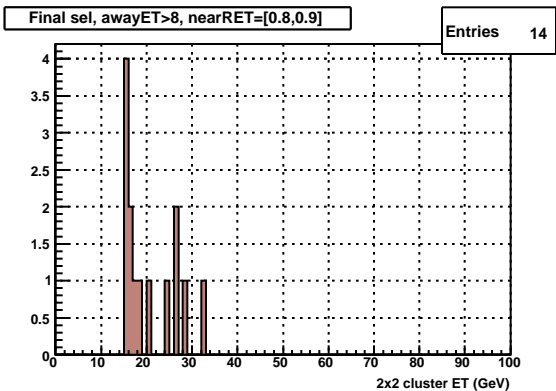
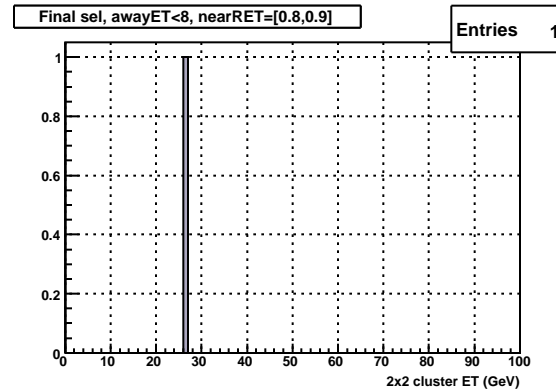
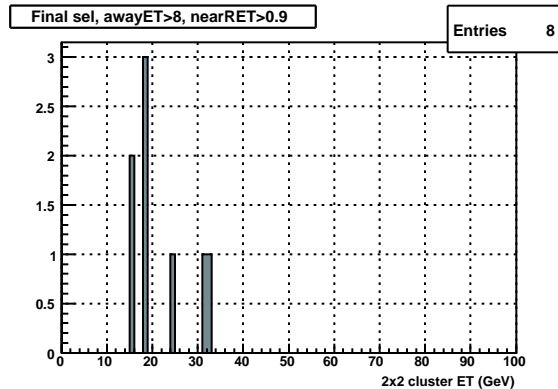
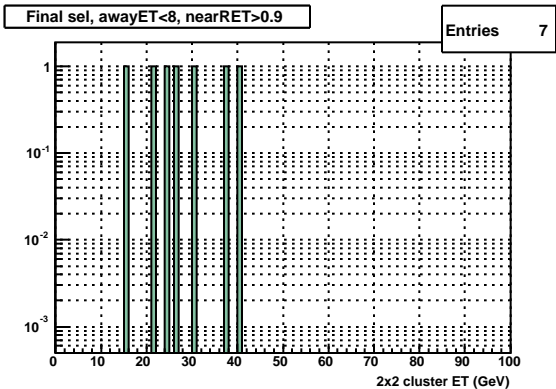
Vertex Z, final W selection, 2x2 ET>28 GeV

Entries	4
$\chi^2 / \text{ndf}$	4.041e-05 / 1
Constant	1.006 ± 0.544
Mean	9.196 ± 454.744
Sigma	91.1 ± 46.1



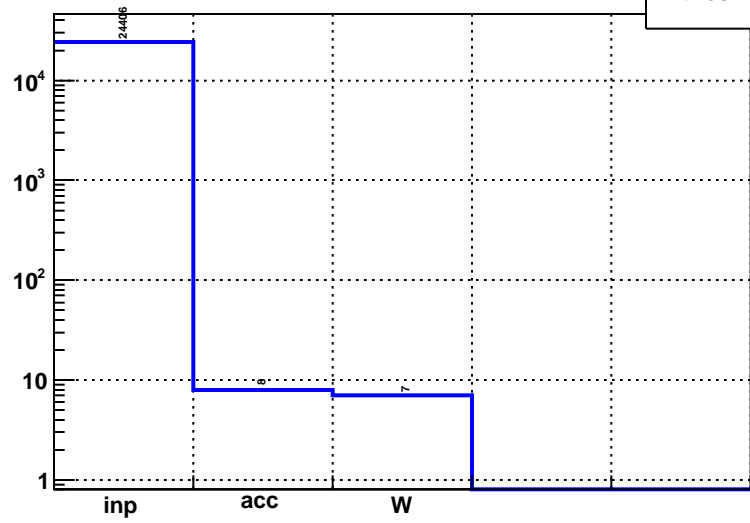
Background study for Joe, 045, page=19, Sat Feb 19 08:01:28 2011

--



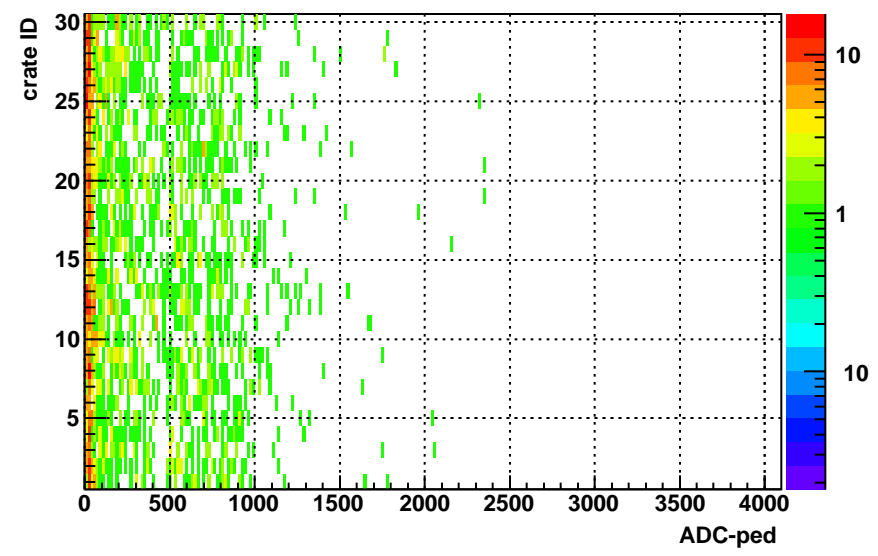
pub event count

Entries 24538



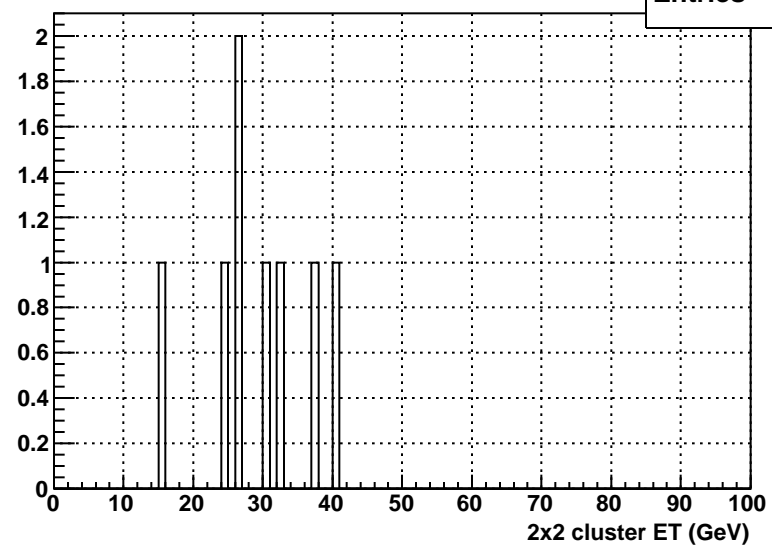
ADC of track pointed tower, per crate

Entries 2069



Final W selection

Entries 8

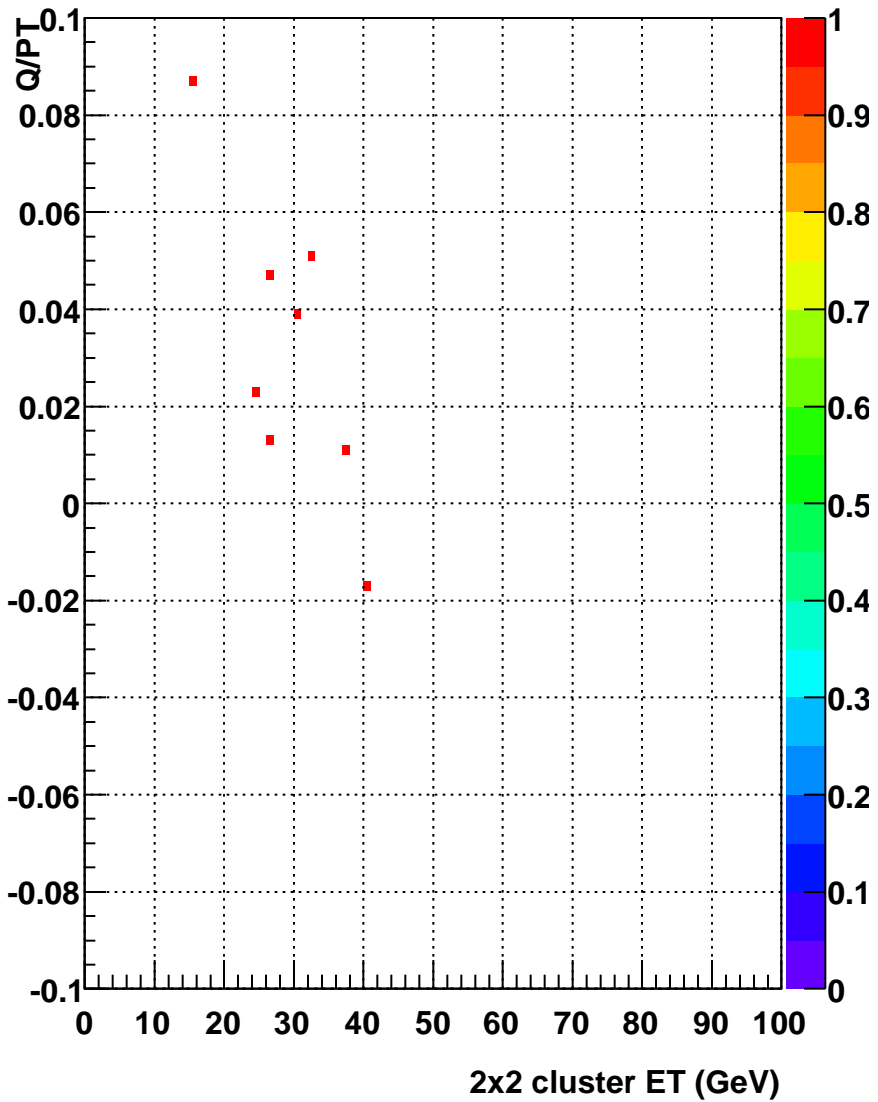
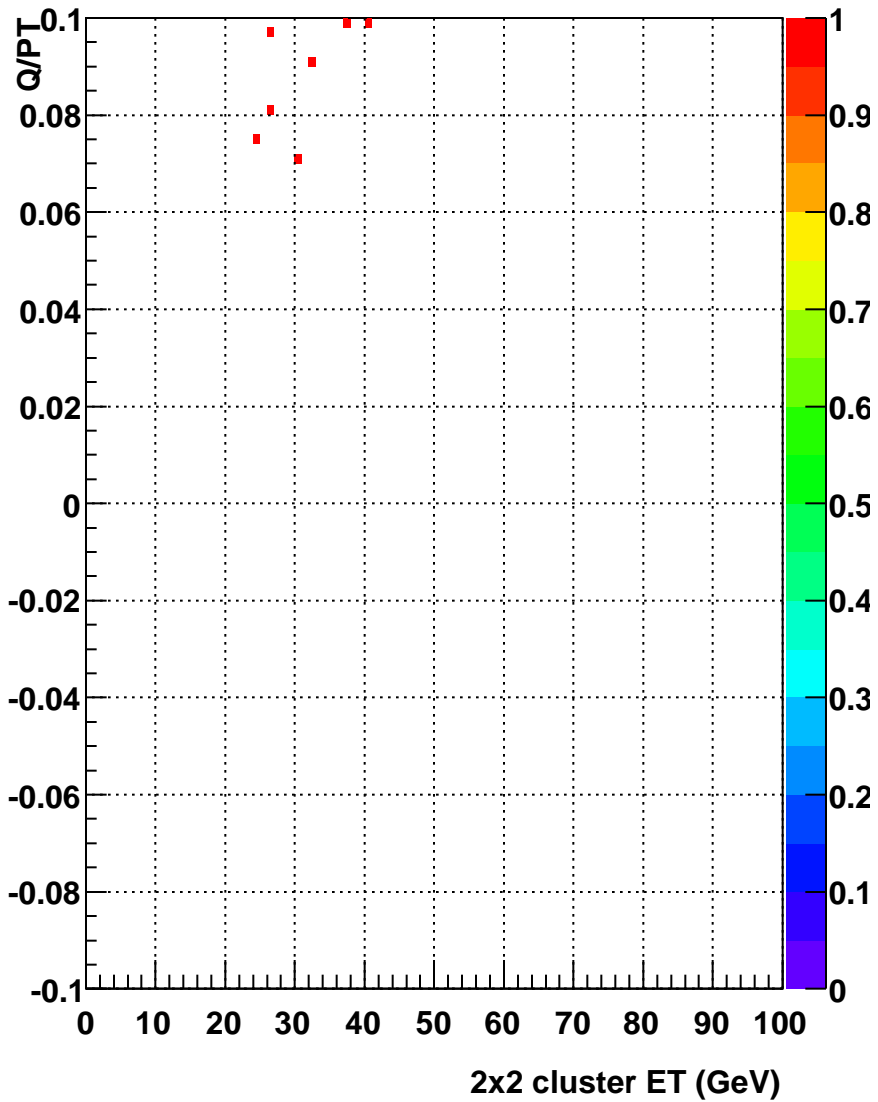


TPC GLOB Q/PT

Entries 8

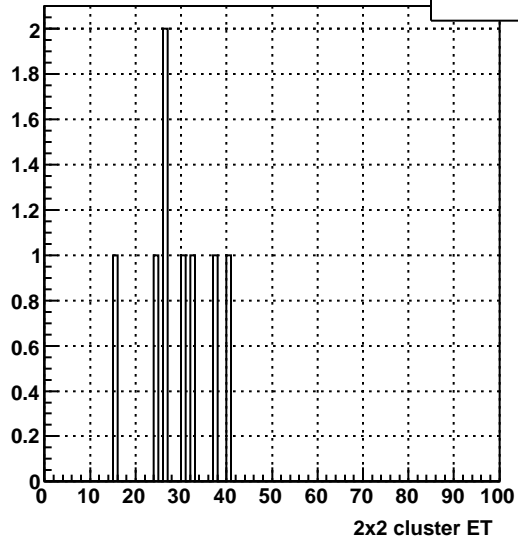
TPC PRIM Q/PT

Entries 8



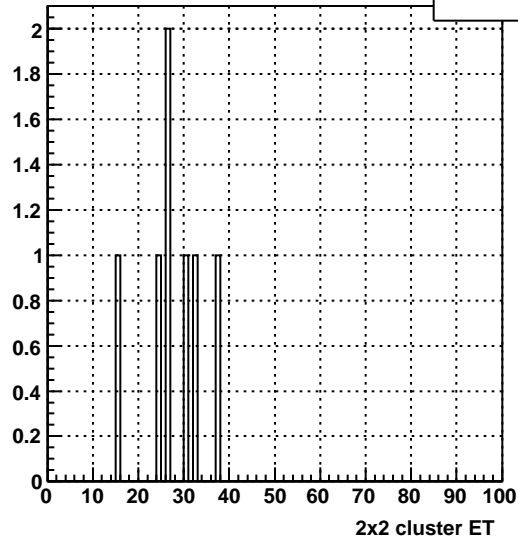
Final W glob Q=P

Entries 8



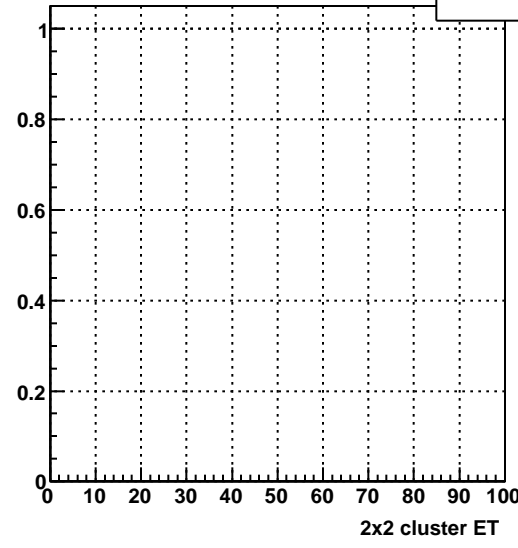
Final W prim Q=P

Entries 7



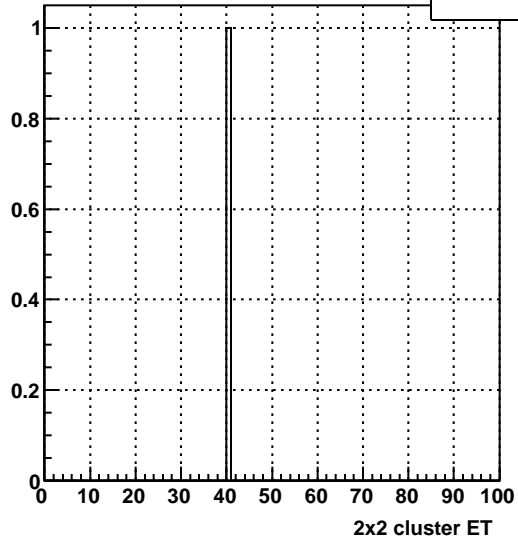
prim sign=P flip after V-refit

Entries 0



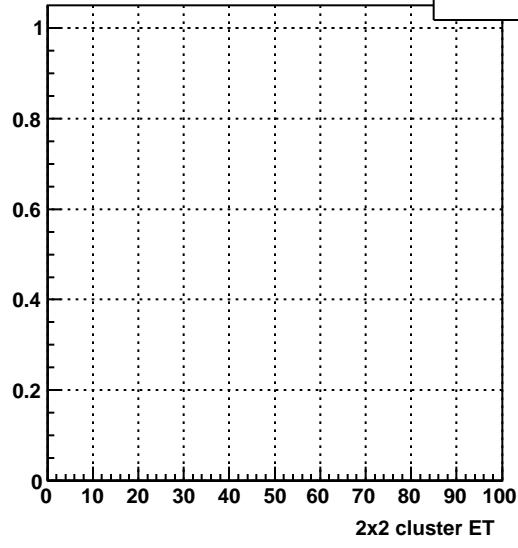
Final W prim Q=N

Entries 1



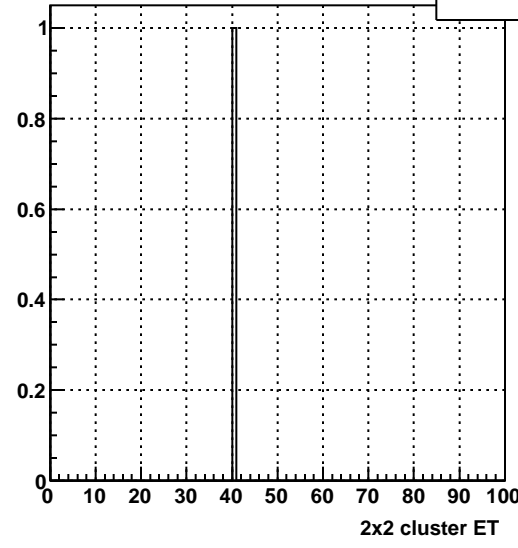
Final W glob Q=N

Entries 0

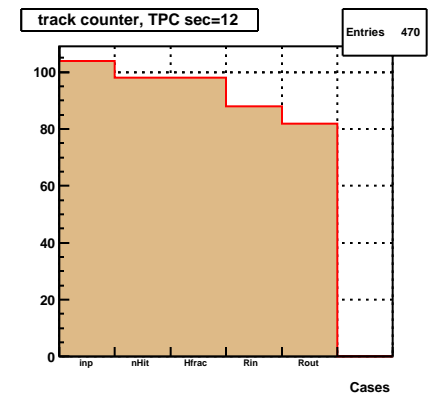
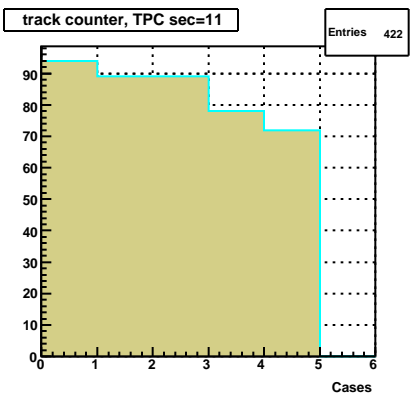
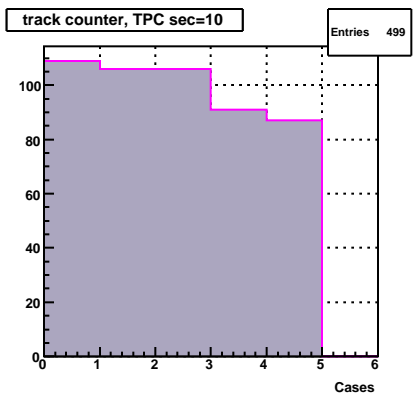
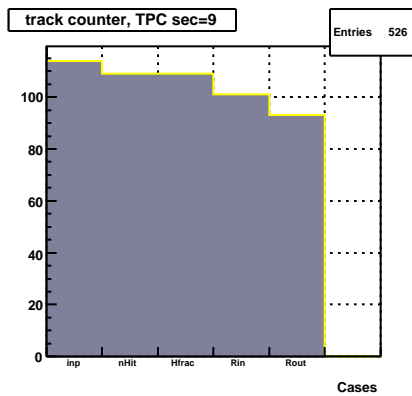
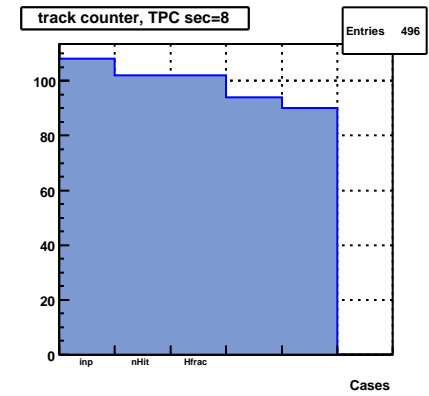
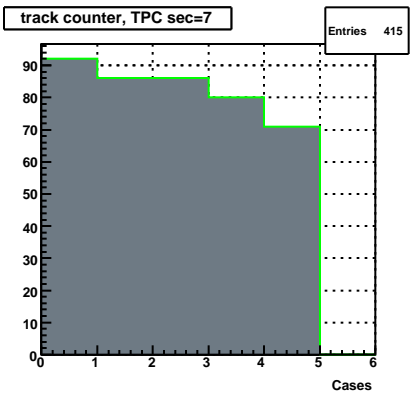
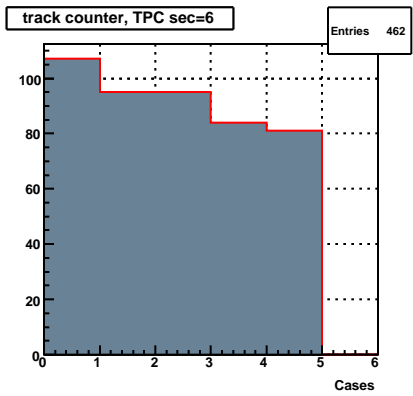
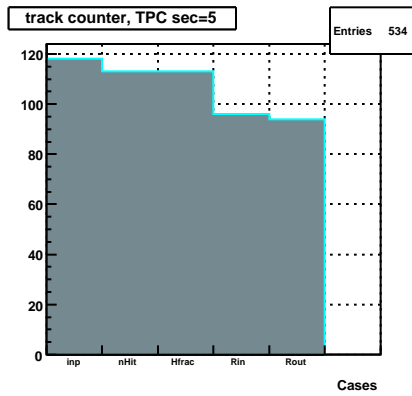
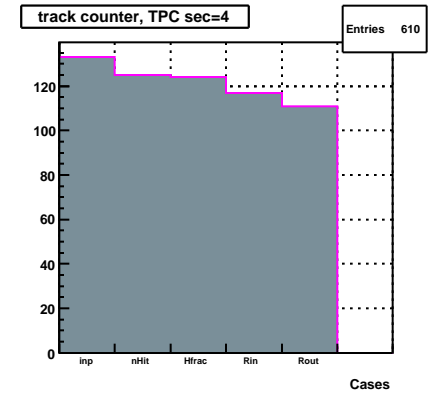
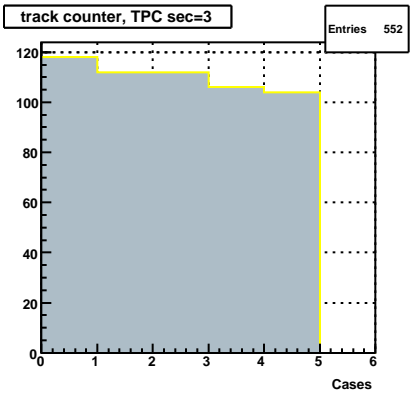
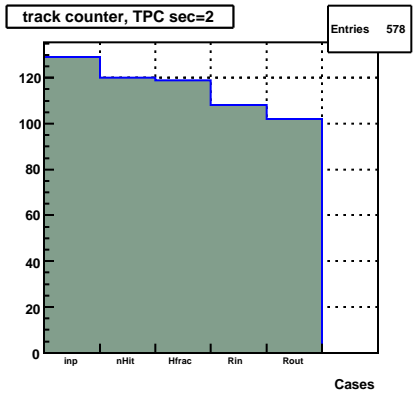
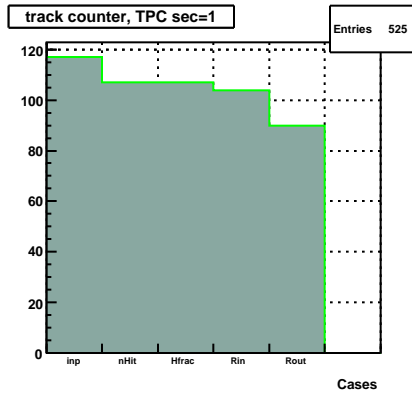


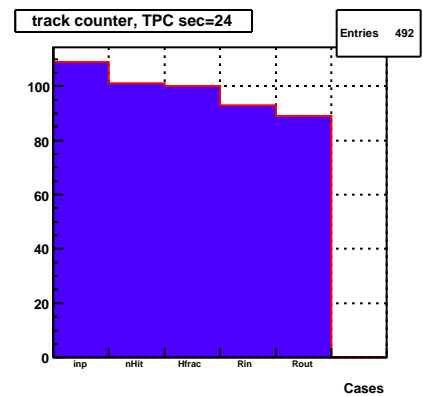
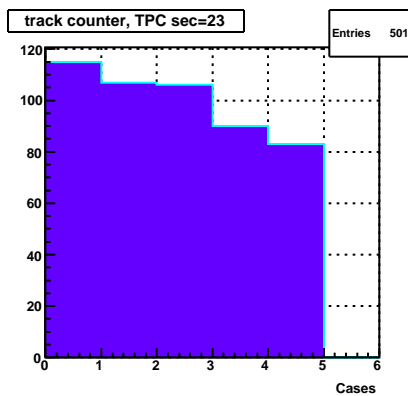
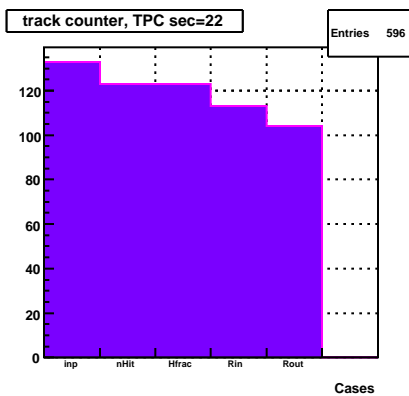
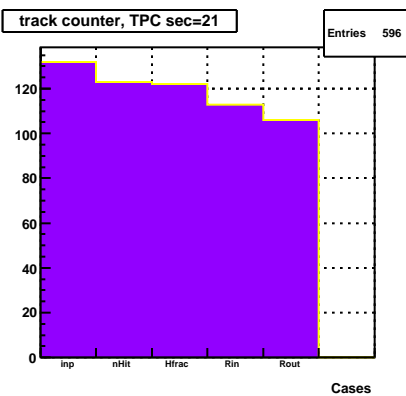
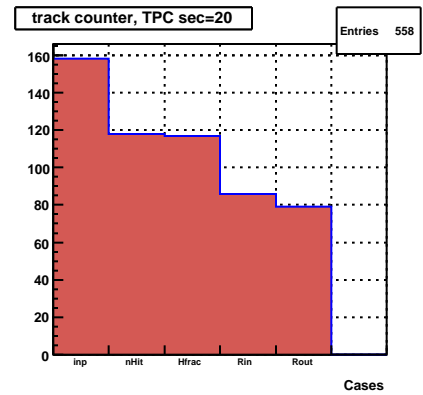
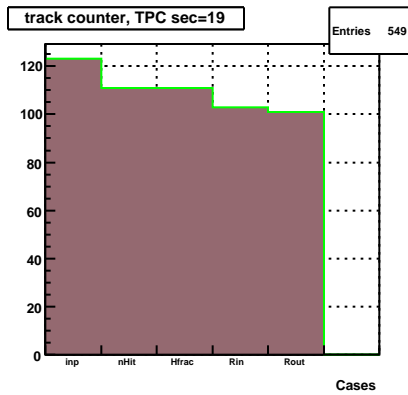
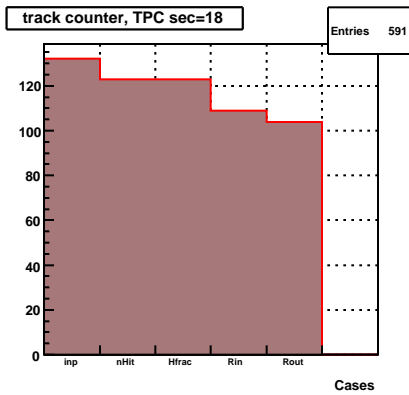
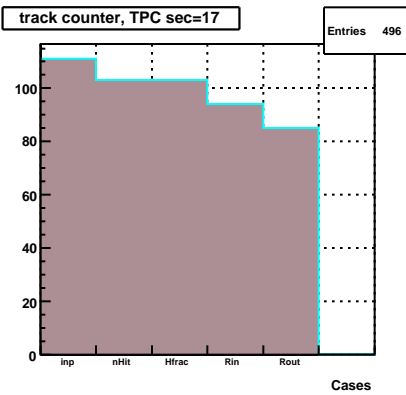
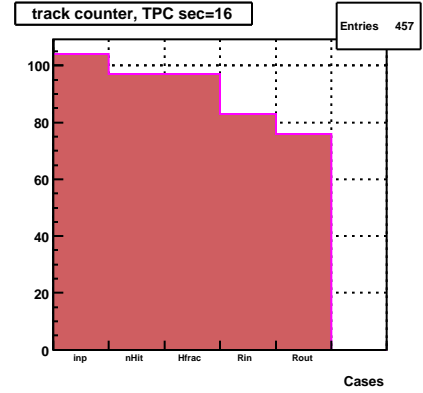
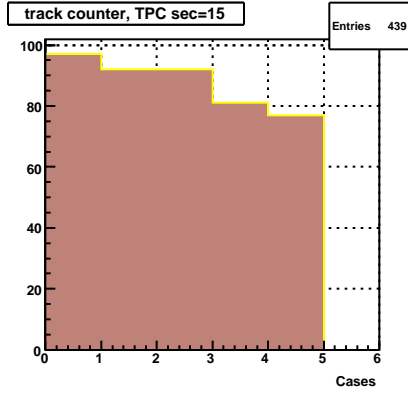
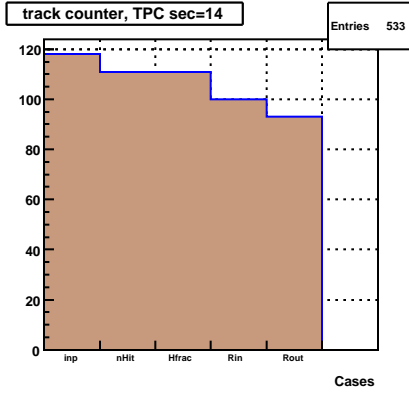
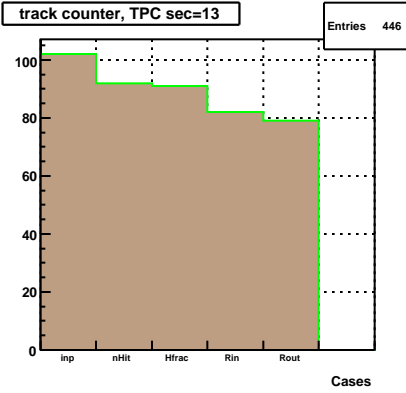
prim sign=N flip after V-refit

Entries 1

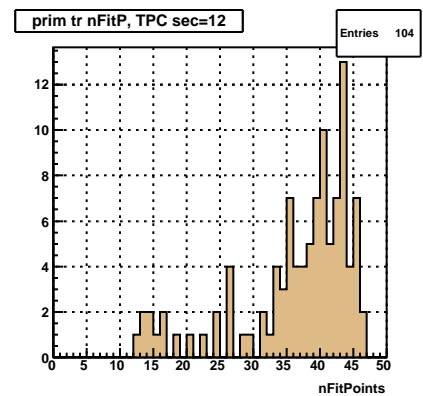
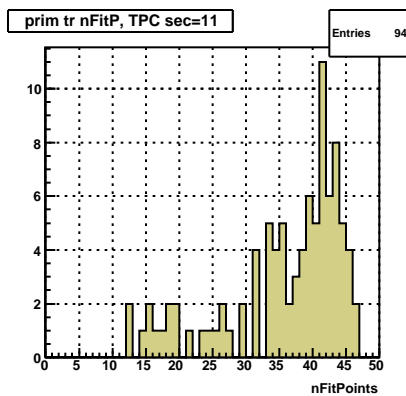
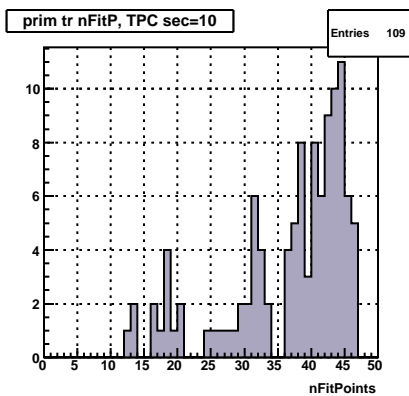
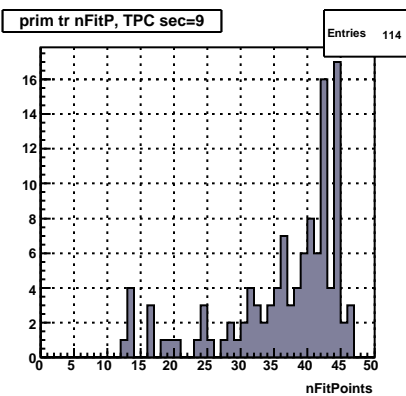
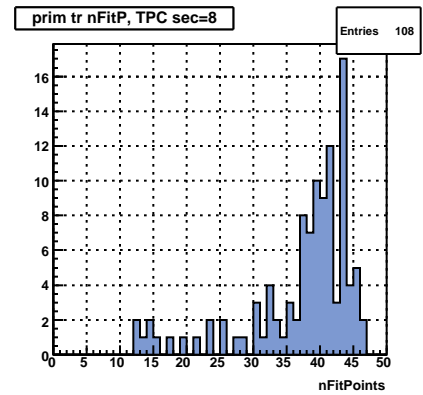
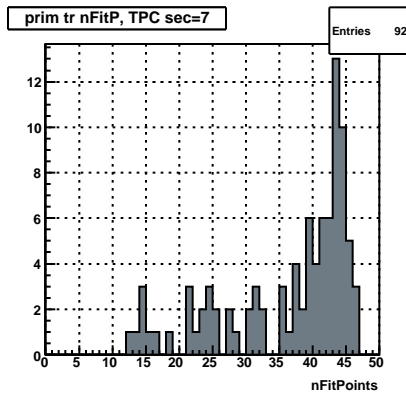
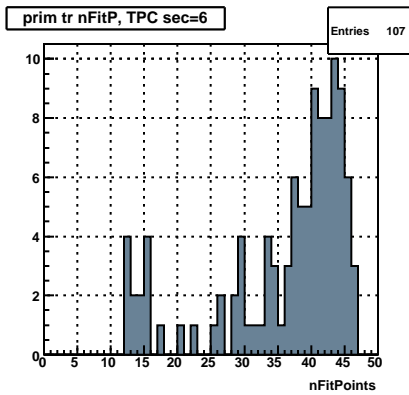
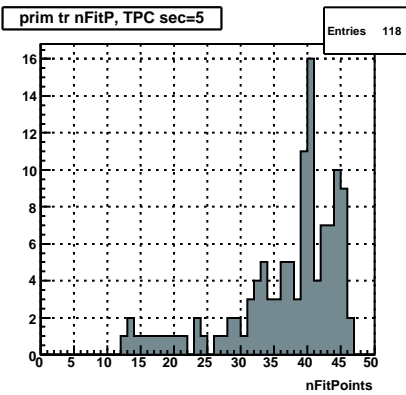
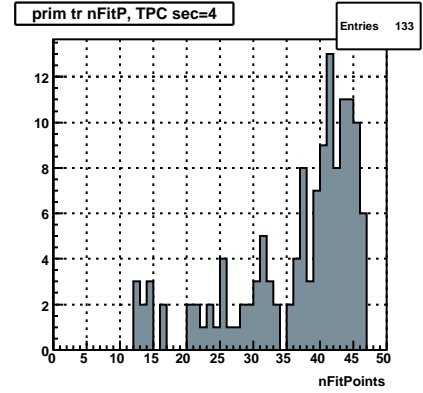
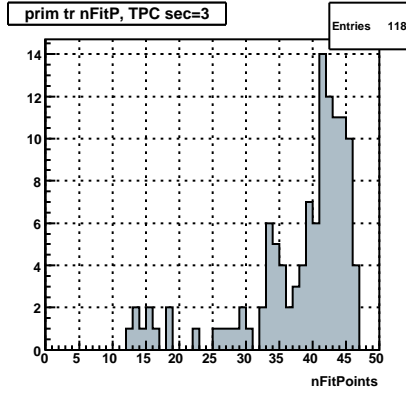
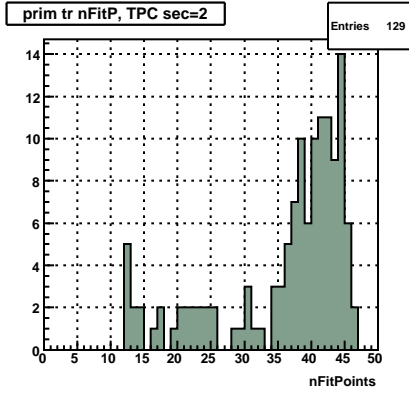
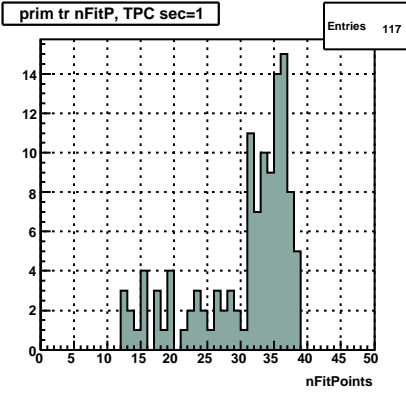


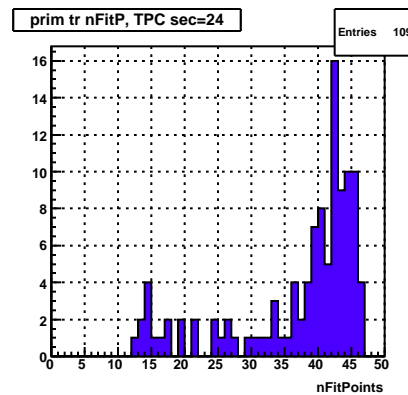
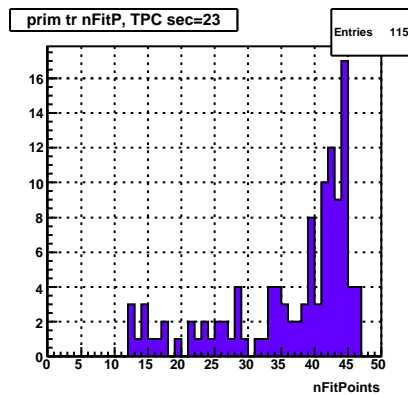
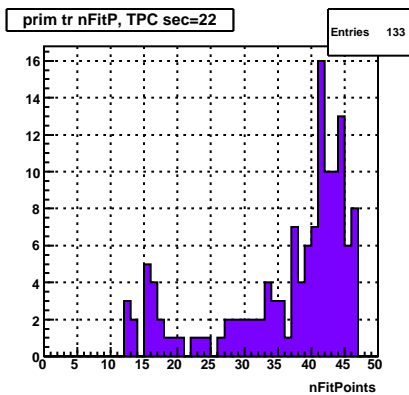
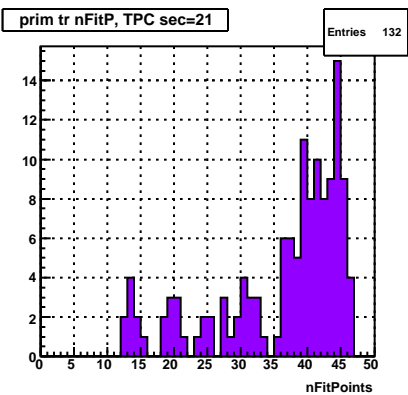
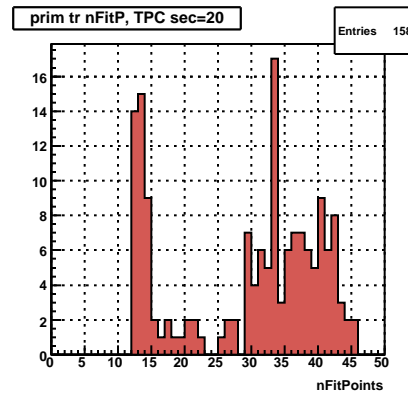
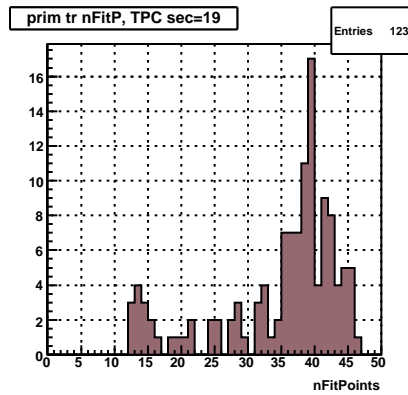
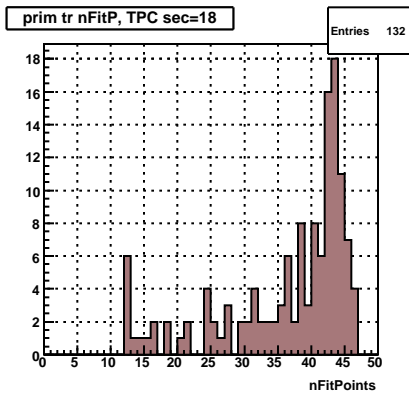
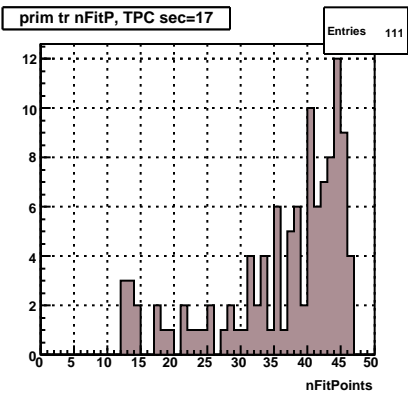
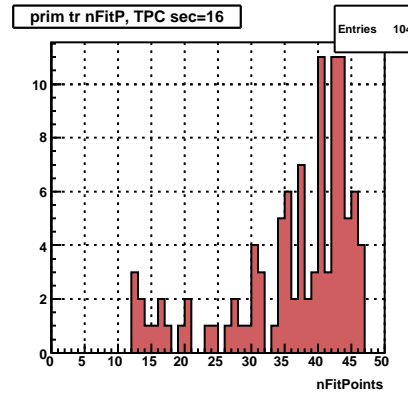
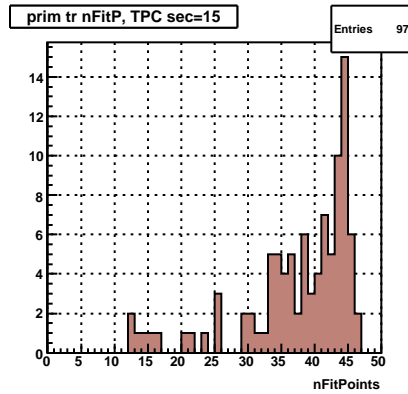
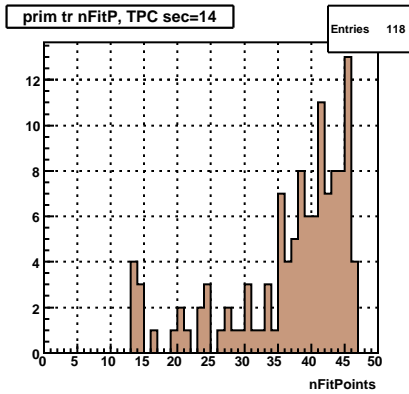
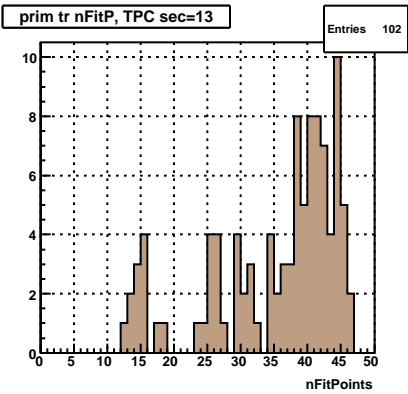
--

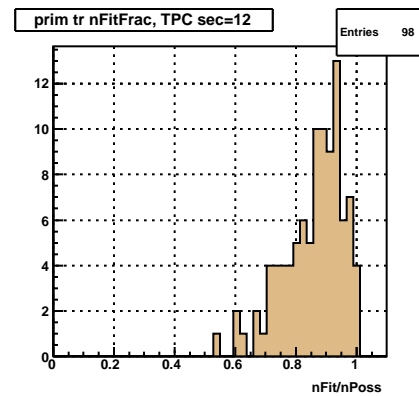
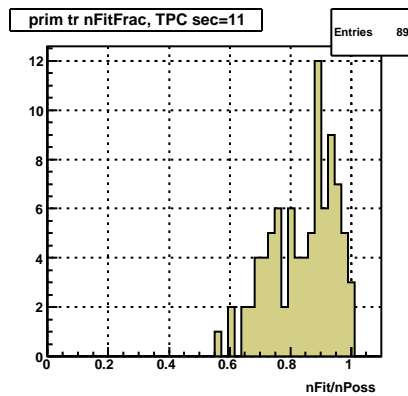
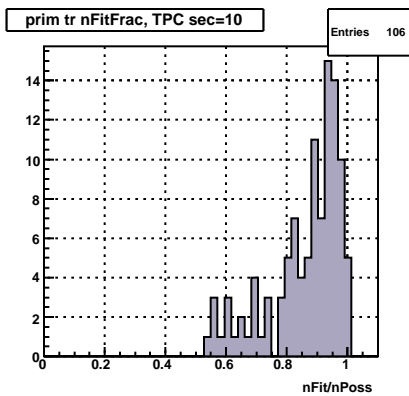
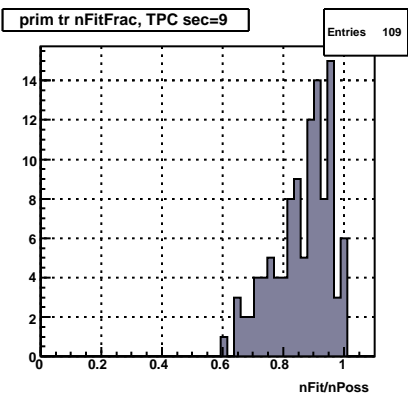
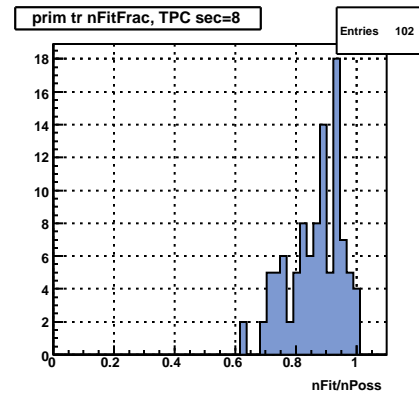
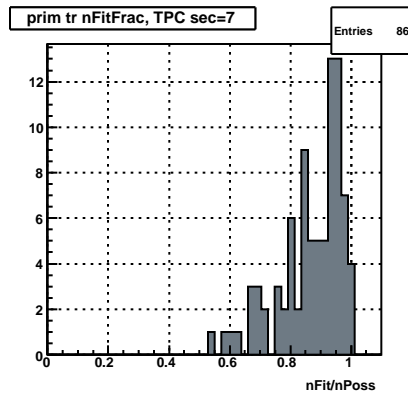
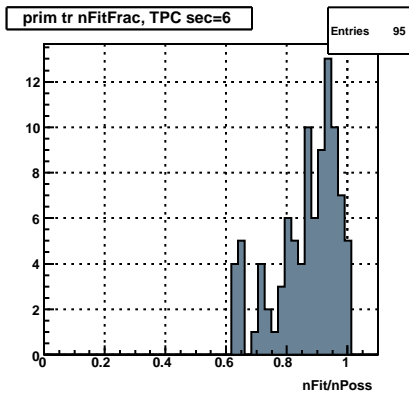
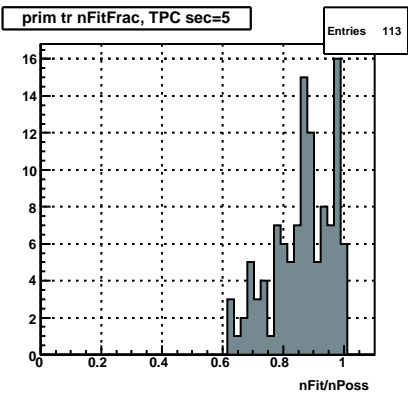
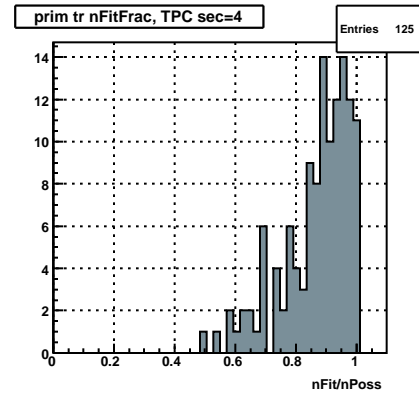
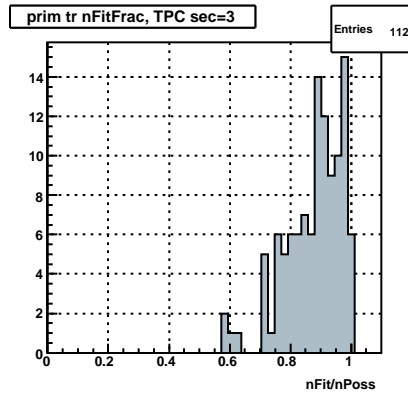
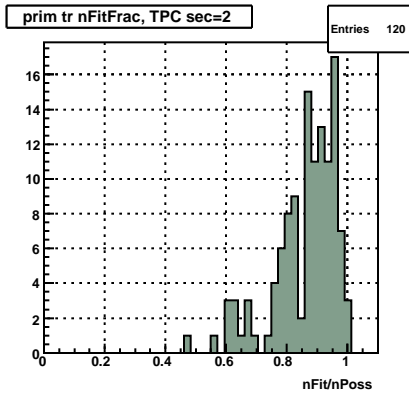
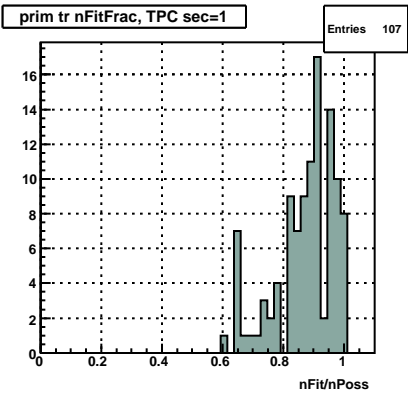


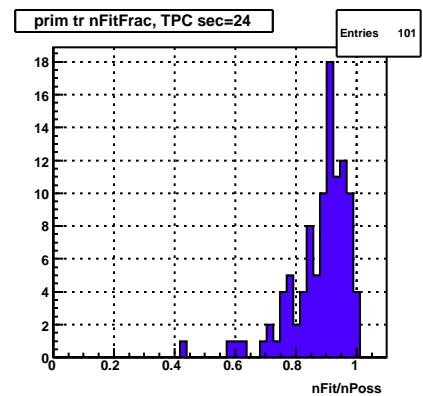
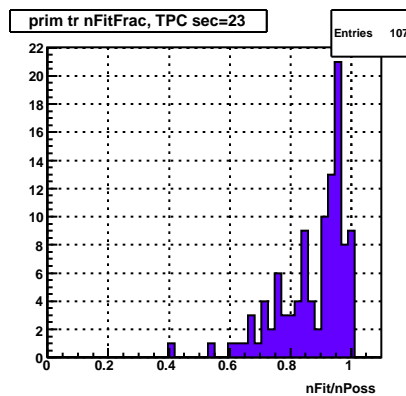
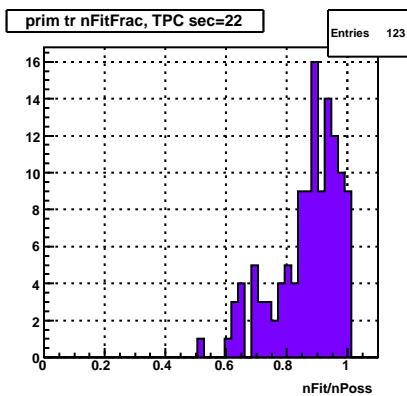
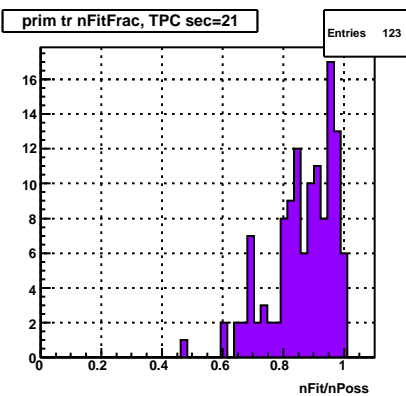
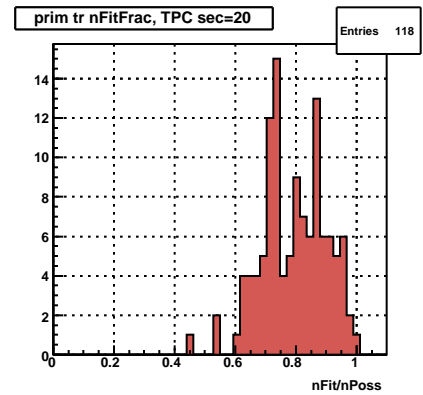
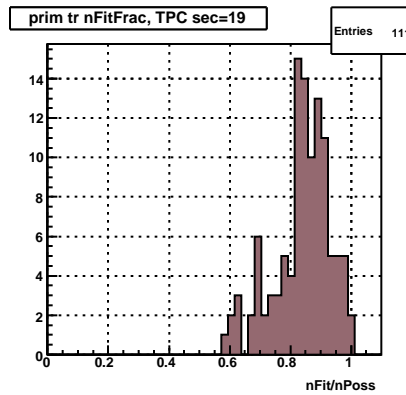
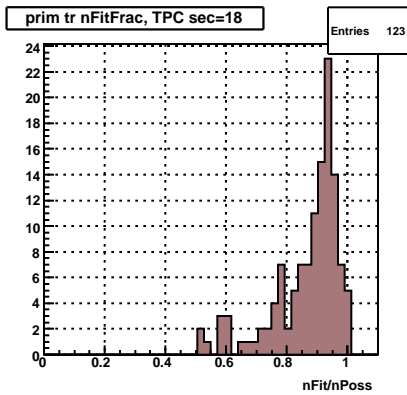
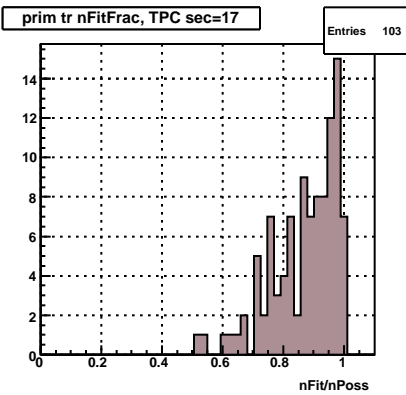
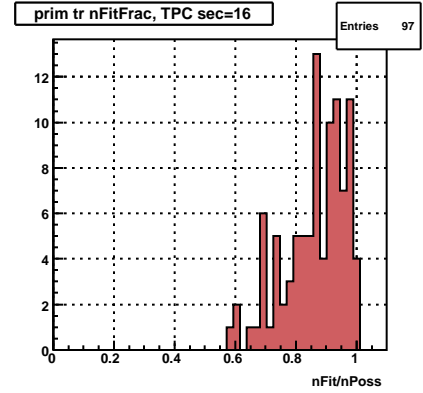
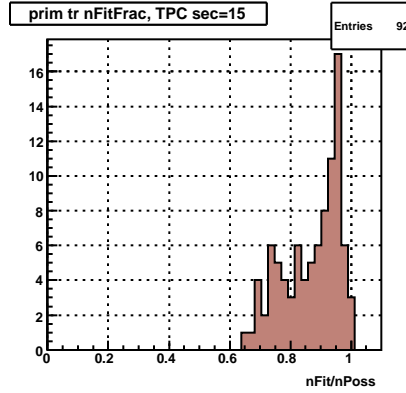
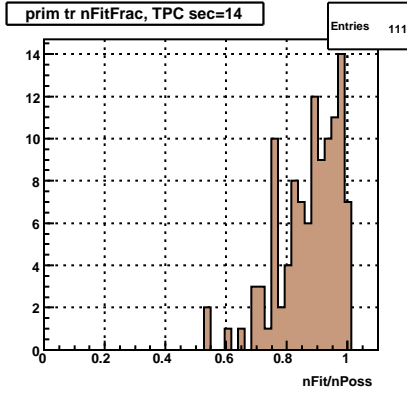
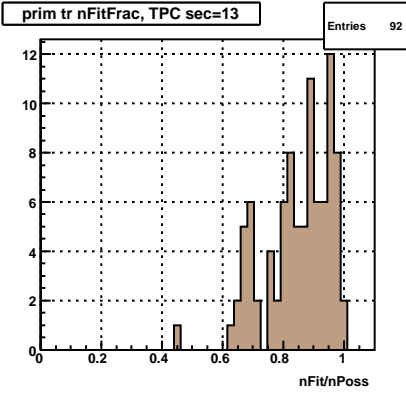


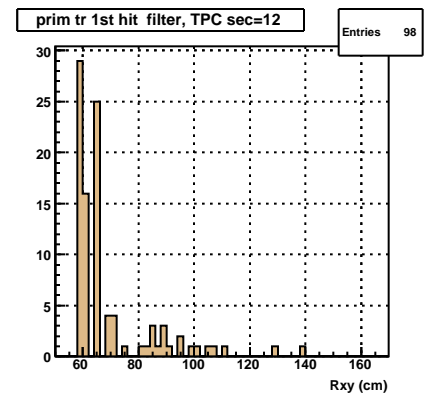
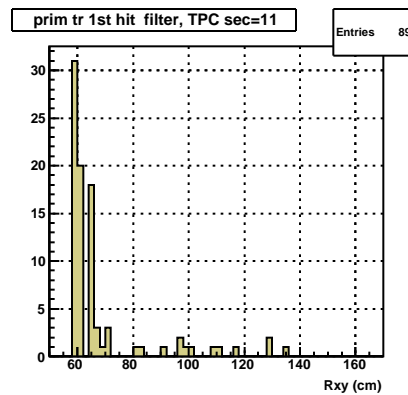
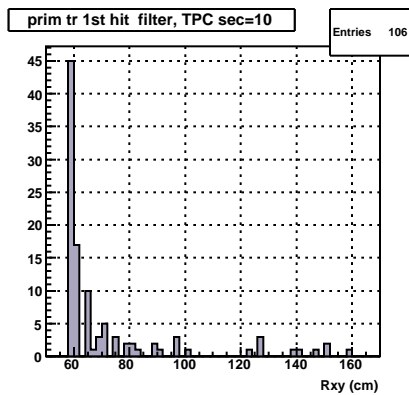
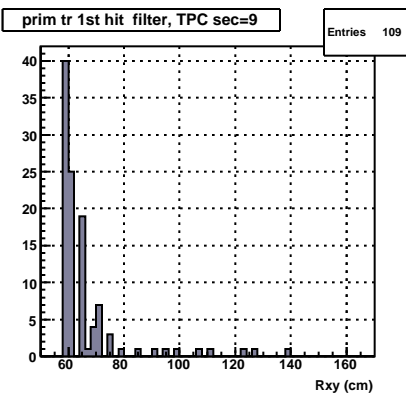
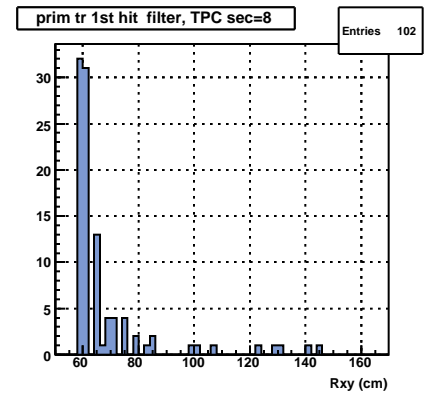
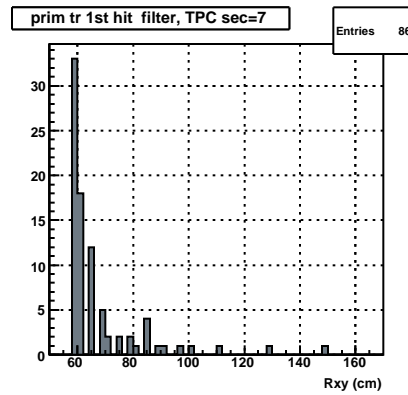
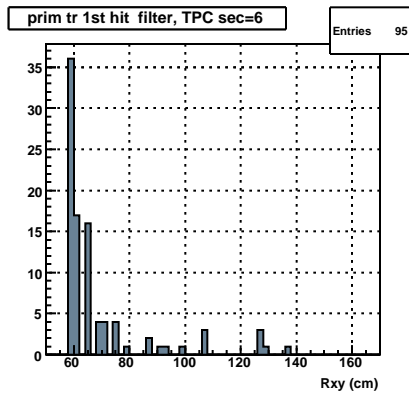
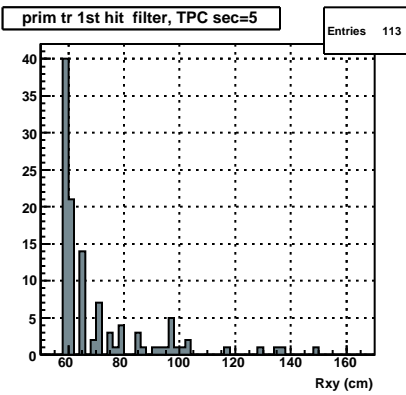
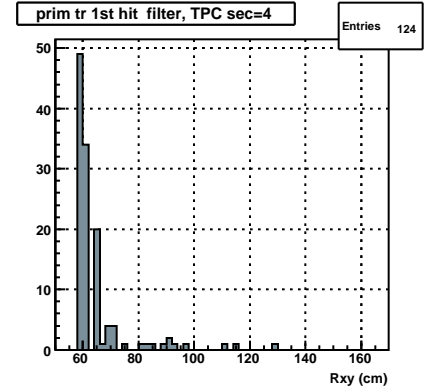
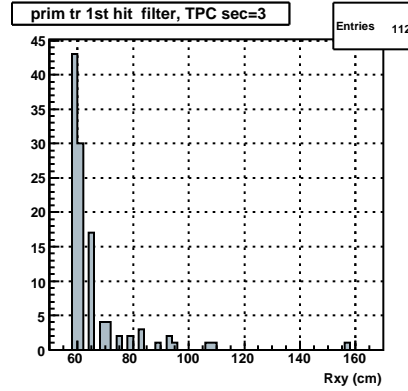
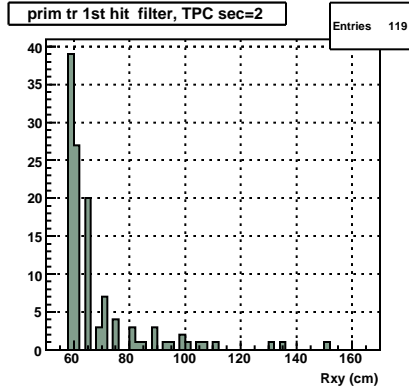
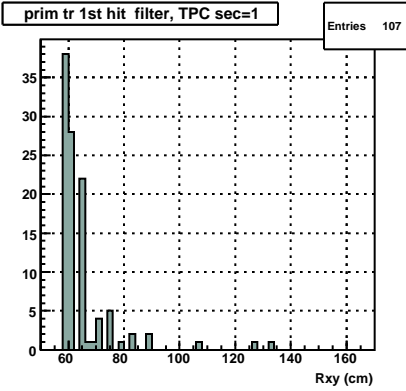






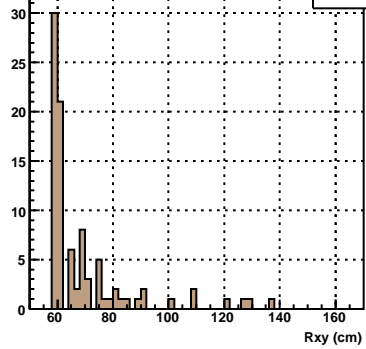






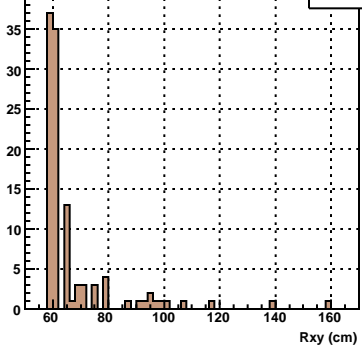
prim tr 1st hit filter, TPC sec=13

Entries 91



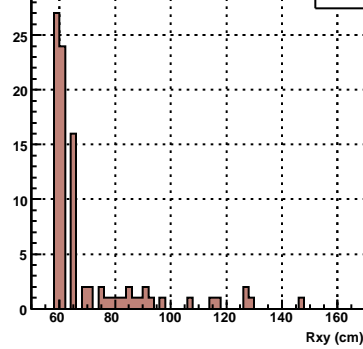
prim tr 1st hit filter, TPC sec=14

Entries 111



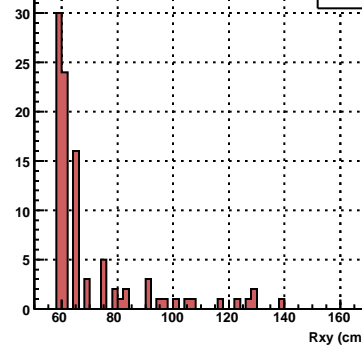
prim tr 1st hit filter, TPC sec=15

Entries 92



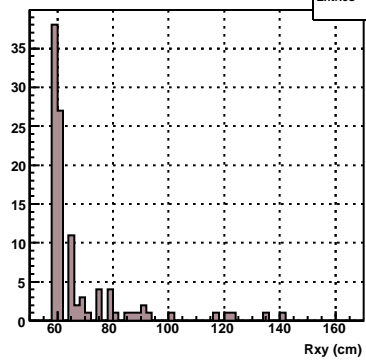
prim tr 1st hit filter, TPC sec=16

Entries 97



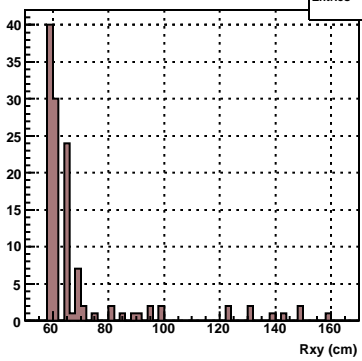
prim tr 1st hit filter, TPC sec=17

Entries 103



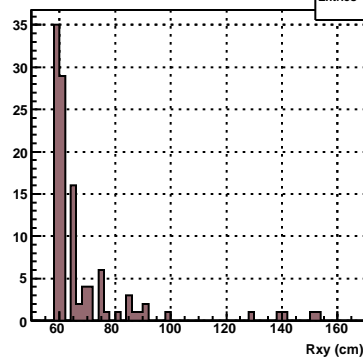
prim tr 1st hit filter, TPC sec=18

Entries 123



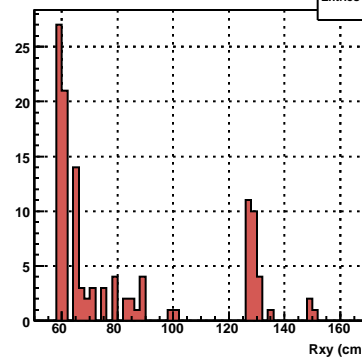
prim tr 1st hit filter, TPC sec=19

Entries 111



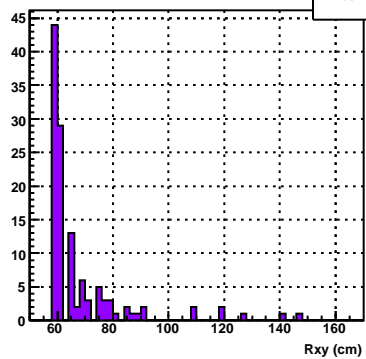
prim tr 1st hit filter, TPC sec=20

Entries 117



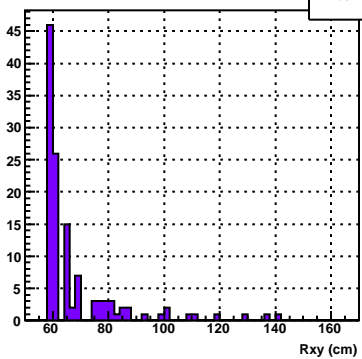
prim tr 1st hit filter, TPC sec=21

Entries 122



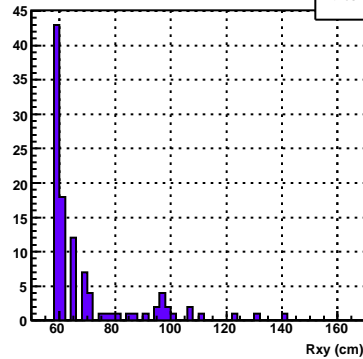
prim tr 1st hit filter, TPC sec=22

Entries 123



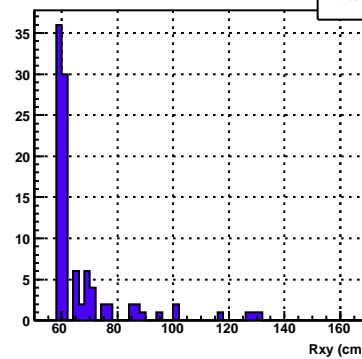
prim tr 1st hit filter, TPC sec=23

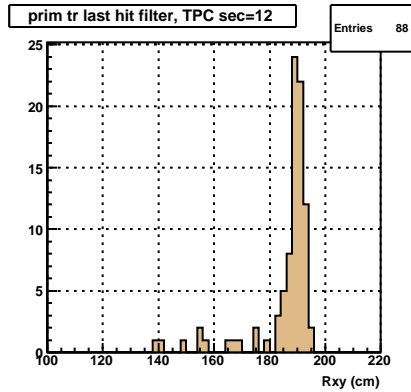
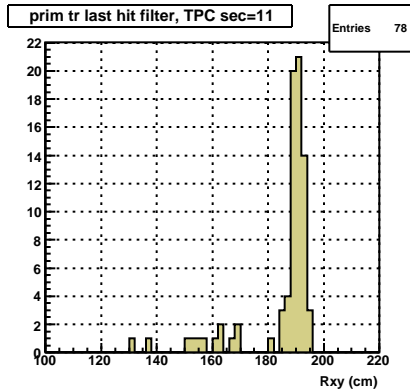
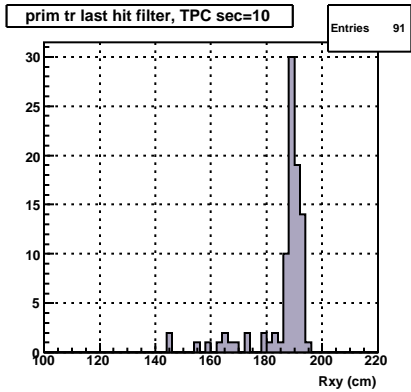
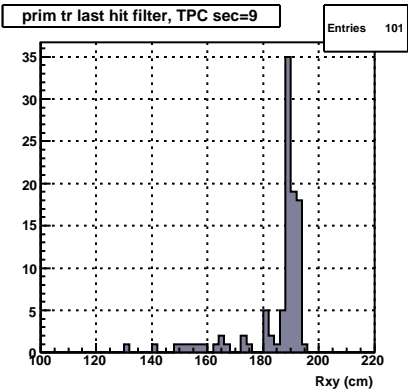
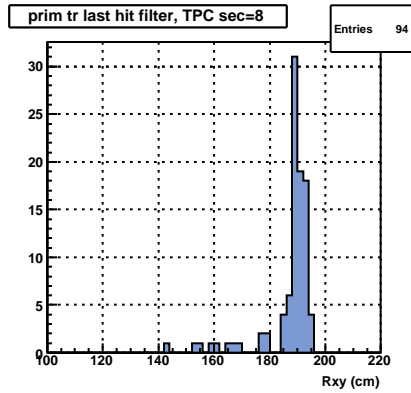
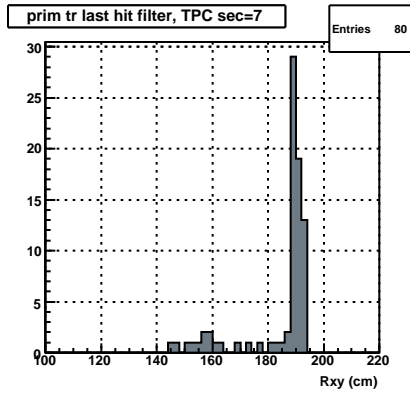
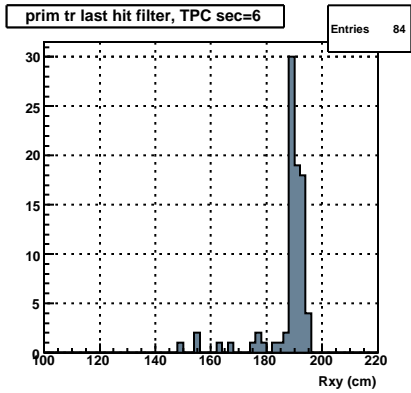
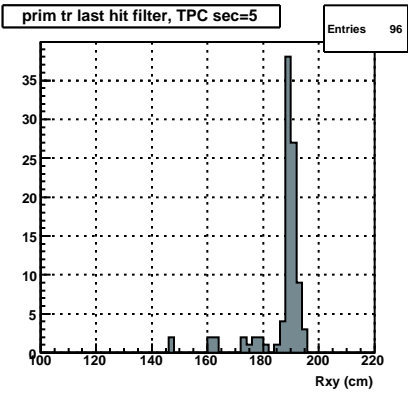
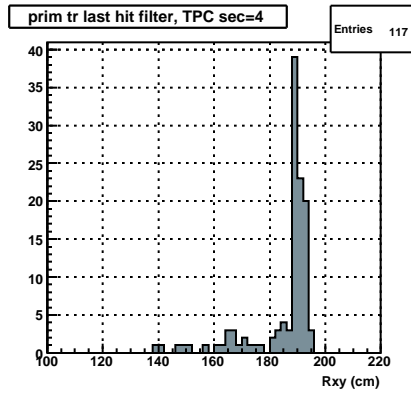
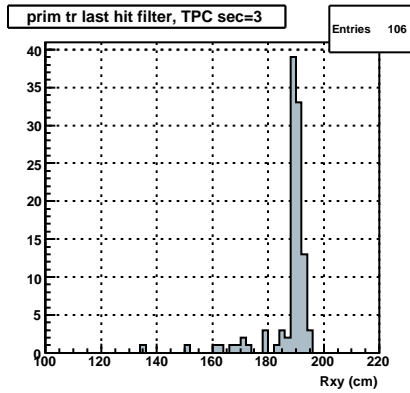
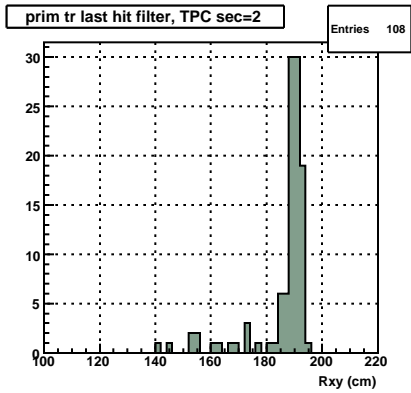
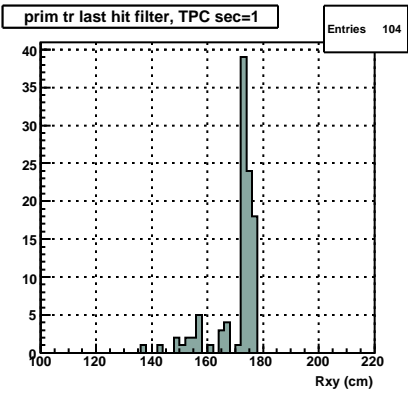
Entries 106

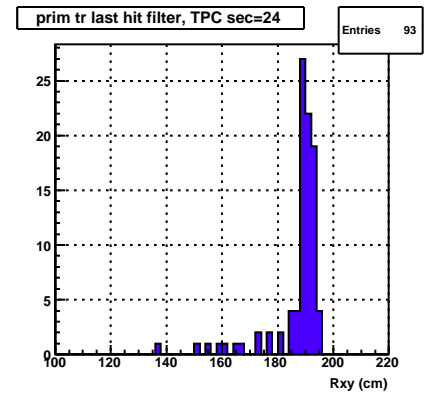
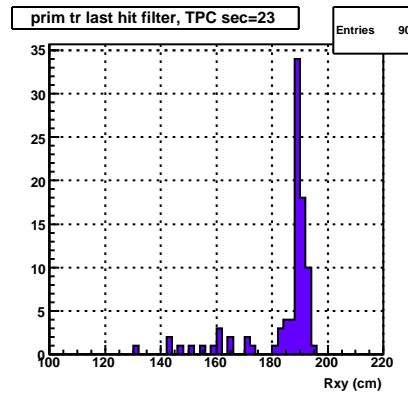
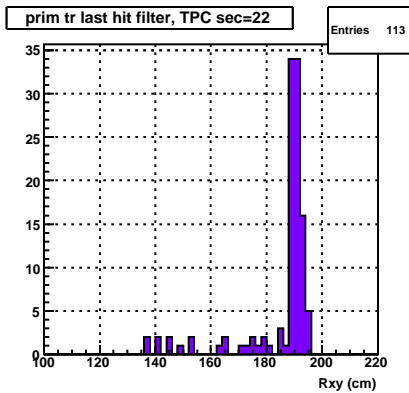
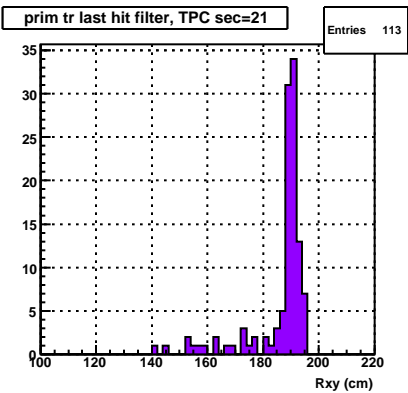
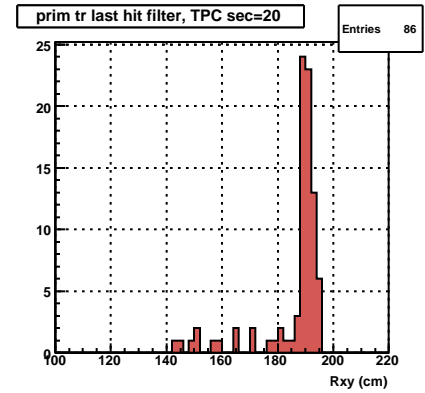
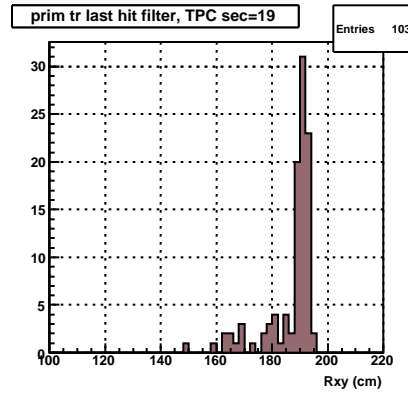
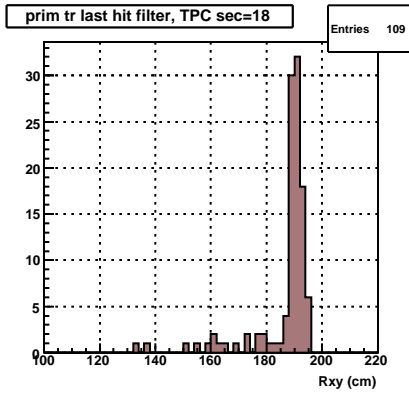
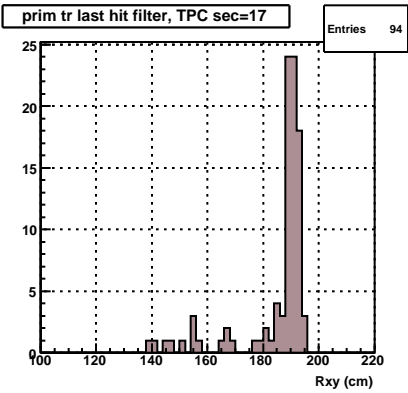
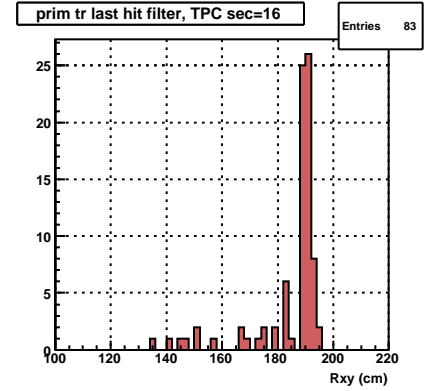
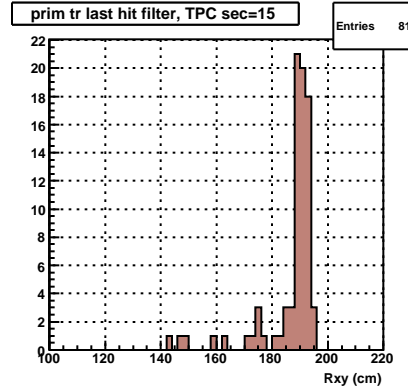
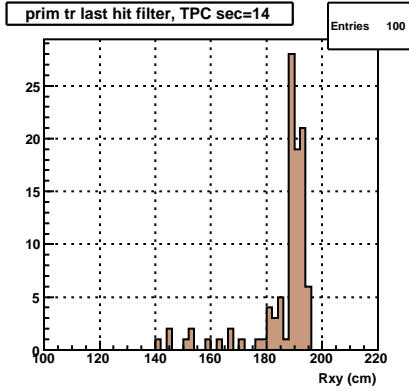
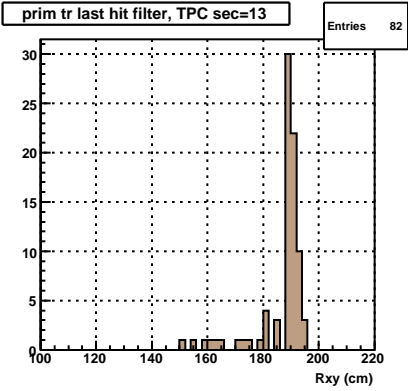


prim tr 1st hit filter, TPC sec=24

Entries 100

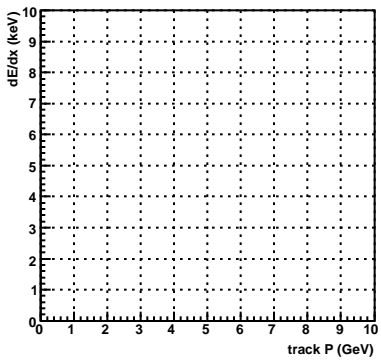




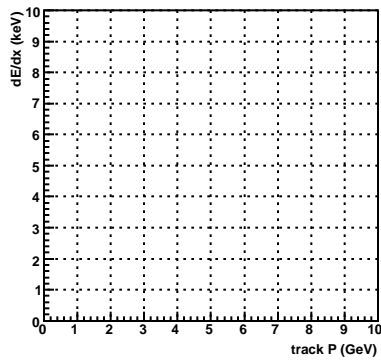




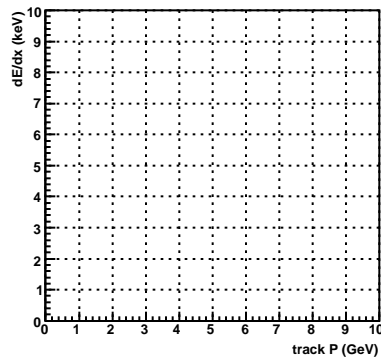
dEdX vs. P, accpted , TPC sec=1 Entries 90



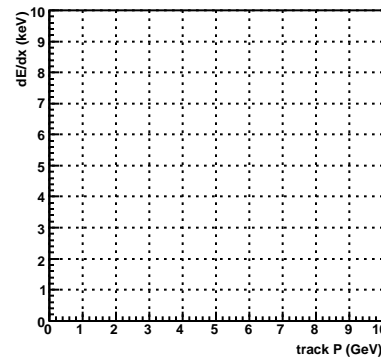
dEdX vs. P, accpted , TPC sec=2 Entries 102



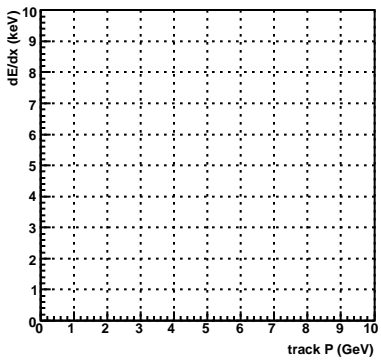
dEdX vs. P, accpted , TPC sec=3 Entries 104



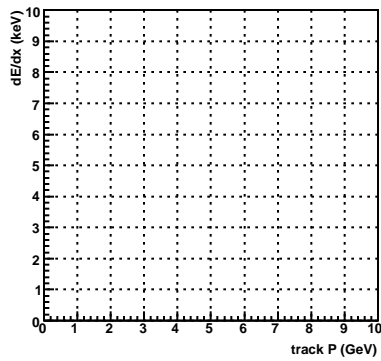
dEdX vs. P, accpted , TPC sec=4 Entries 111



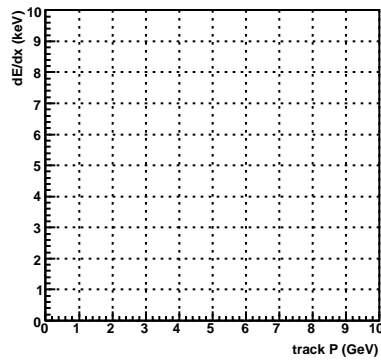
dEdX vs. P, accpted , TPC sec=5 Entries 94



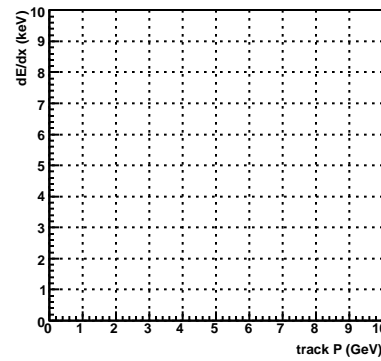
dEdX vs. P, accpted , TPC sec=6 Entries 81



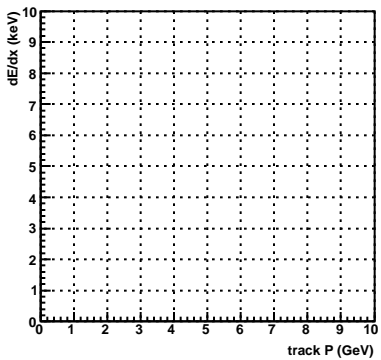
dEdX vs. P, accpted , TPC sec=7 Entries 71



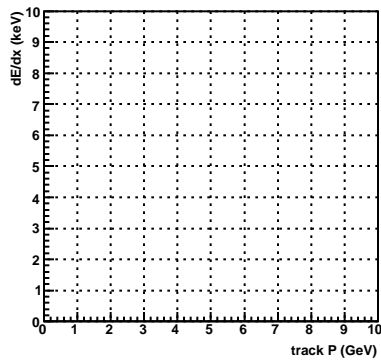
dEdX vs. P, accpted , TPC sec=8 Entries 90



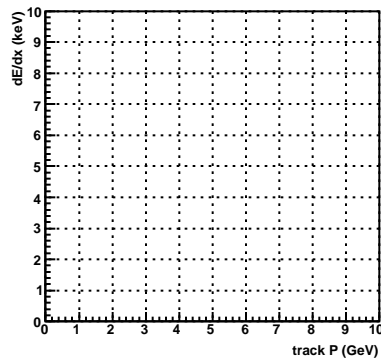
dEdX vs. P, accpted , TPC sec=9 Entries 93



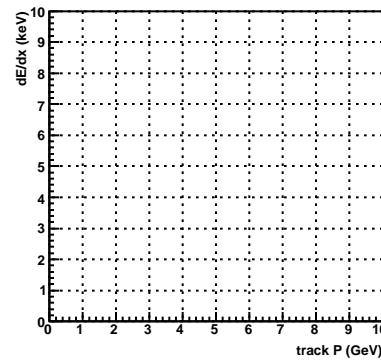
dEdX vs. P, accpted , TPC sec=10 Entries 87



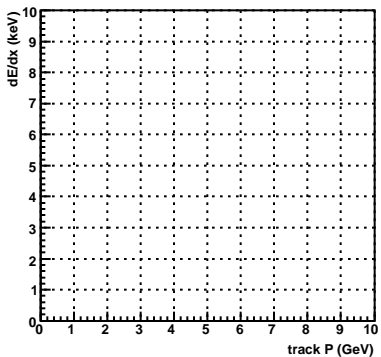
dEdX vs. P, accpted , TPC sec=11 Entries 72



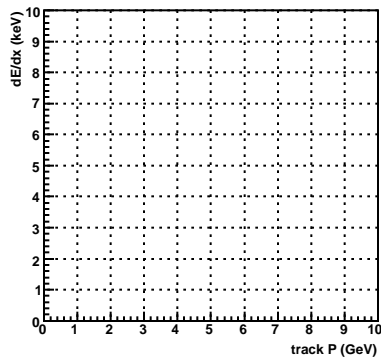
dEdX vs. P, accpted , TPC sec=12 Entries 82



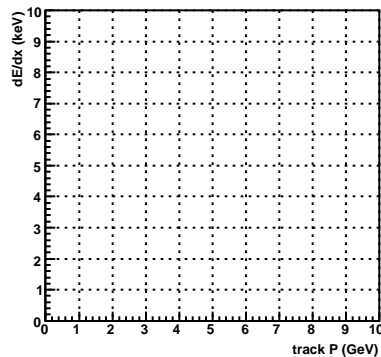
dEdX vs. P, accpted , TPC sec=13 Entries 79



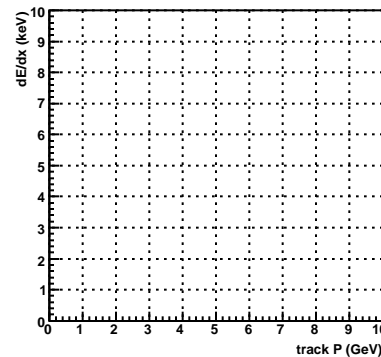
dEdX vs. P, accpted , TPC sec=14 Entries 93



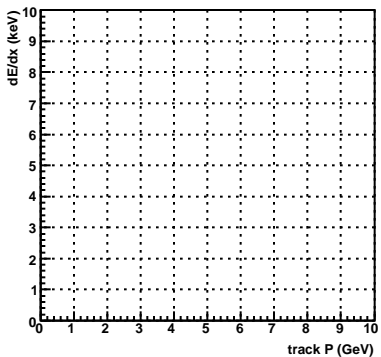
dEdX vs. P, accpted , TPC sec=15 Entries 77



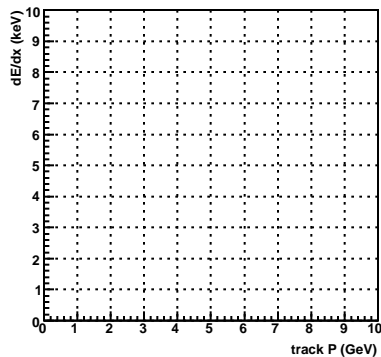
dEdX vs. P, accpted , TPC sec=16 Entries 76



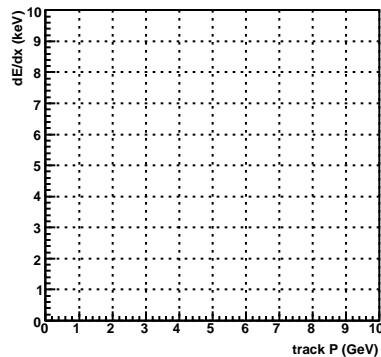
dEdX vs. P, accpted , TPC sec=17 Entries 85



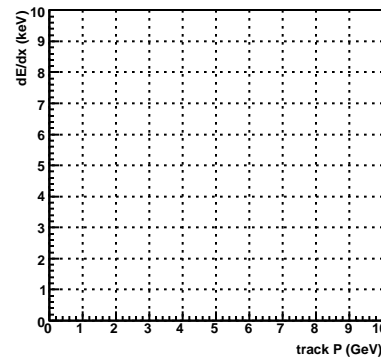
dEdX vs. P, accpted , TPC sec=18 Entries 104



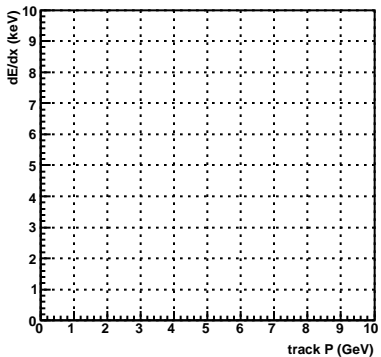
dEdX vs. P, accpted , TPC sec=19 Entries 101



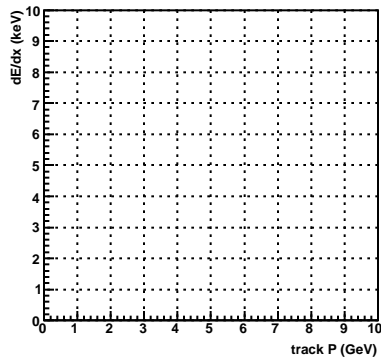
dEdX vs. P, accpted , TPC sec=20 Entries 79



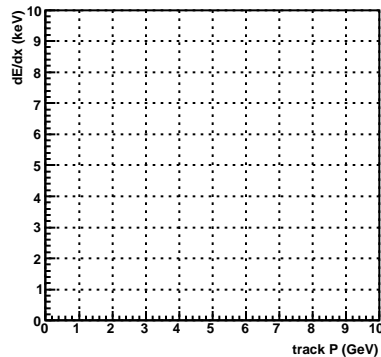
dEdX vs. P, accpted , TPC sec=21 Entries 106



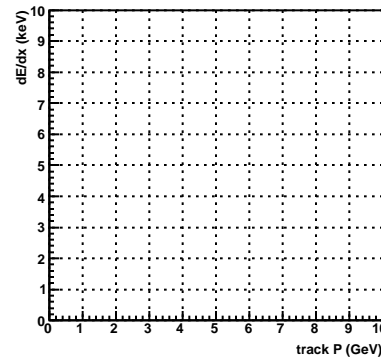
dEdX vs. P, accpted , TPC sec=22 Entries 104



dEdX vs. P, accpted , TPC sec=23 Entries 83



dEdX vs. P, accpted , TPC sec=24 Entries 89



lastHit on track

Entries 104409

lastHit, accepted, TPC sec=1

Entries 90

