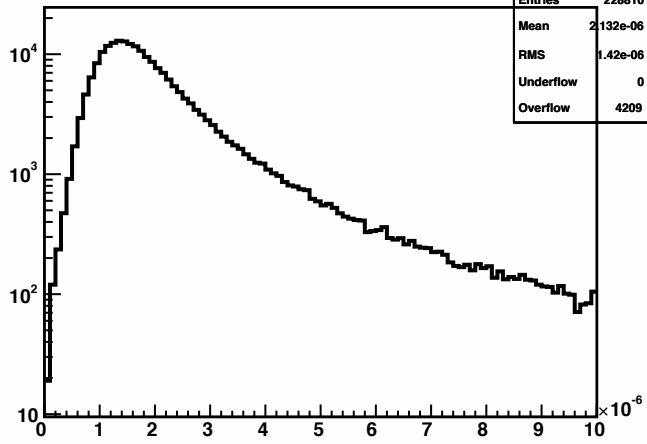
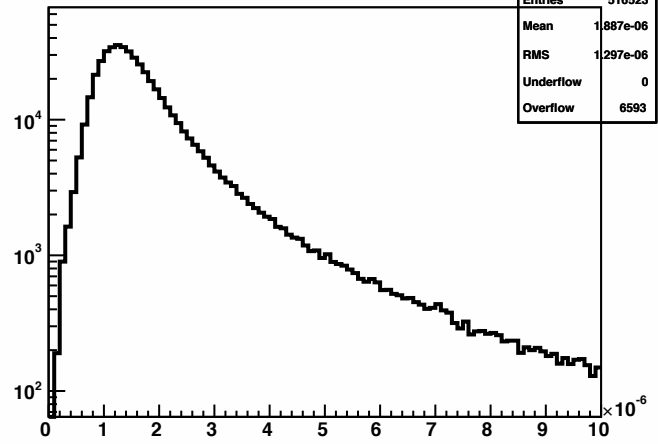


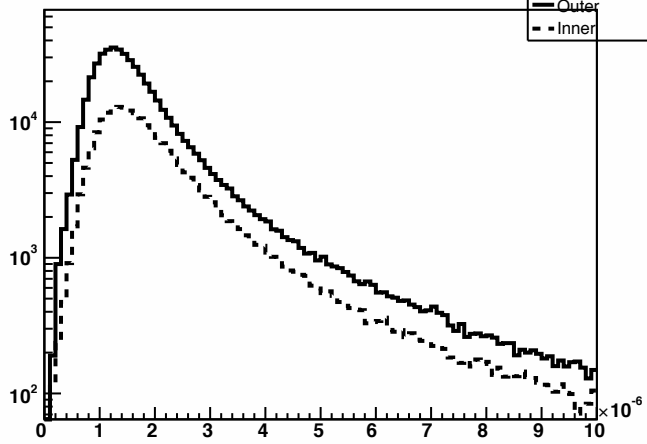
Inner Sector De/Dx Distribution



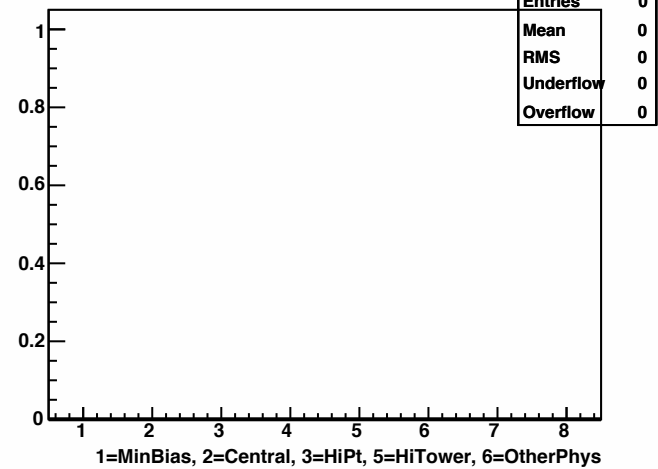
Outer Sector De/Dx Distribution



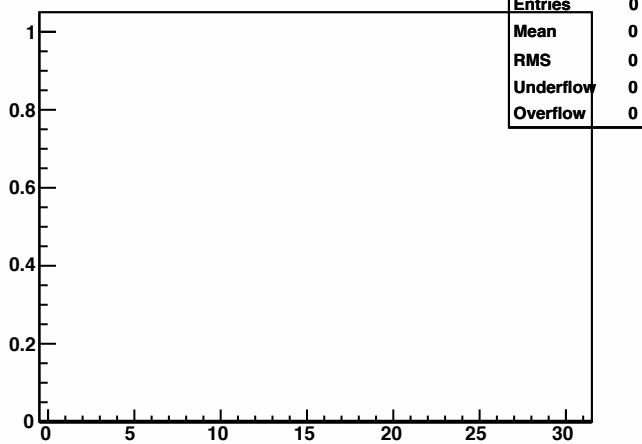
dE/dx for all TPC sectors



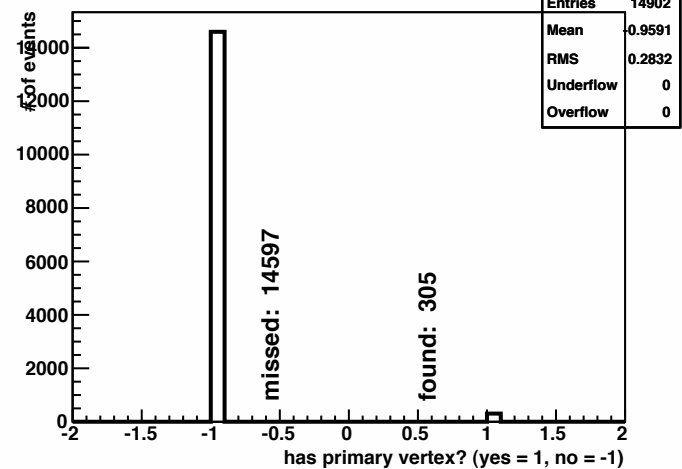
StE trigger word



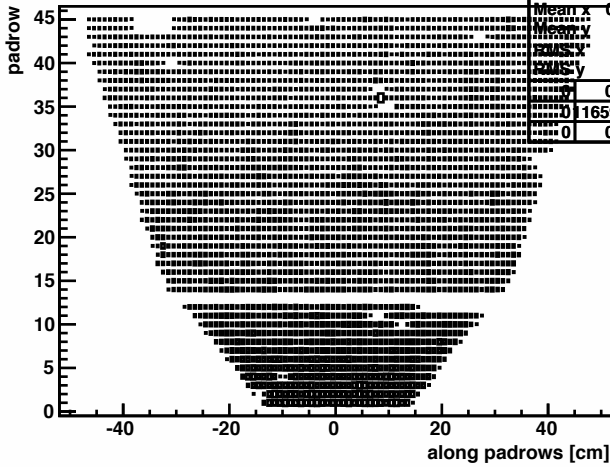
StE trigger bits



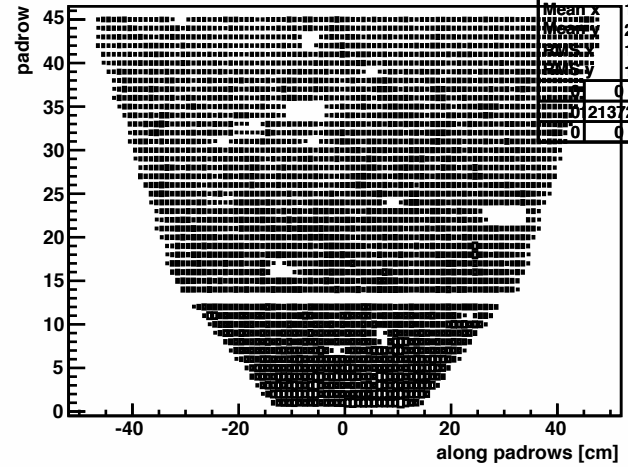
StE event primary vertex check



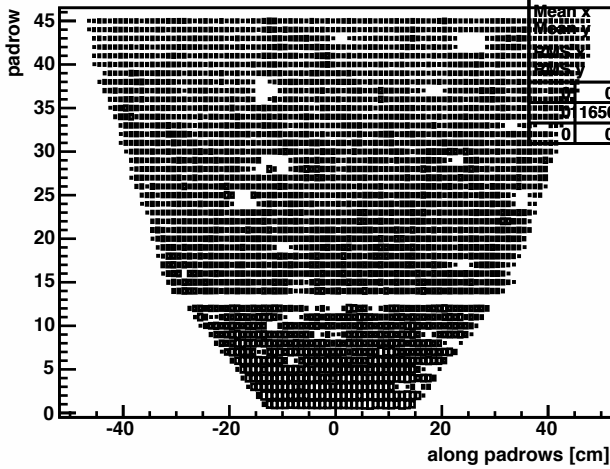
StE Hits in TPC Sector 1



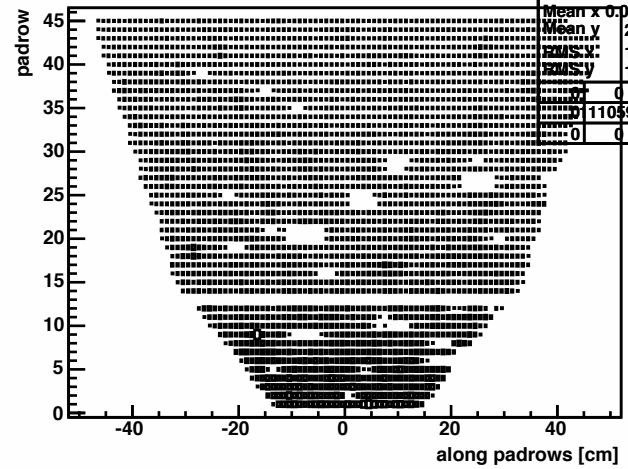
StE Hits in TPC Sector 2



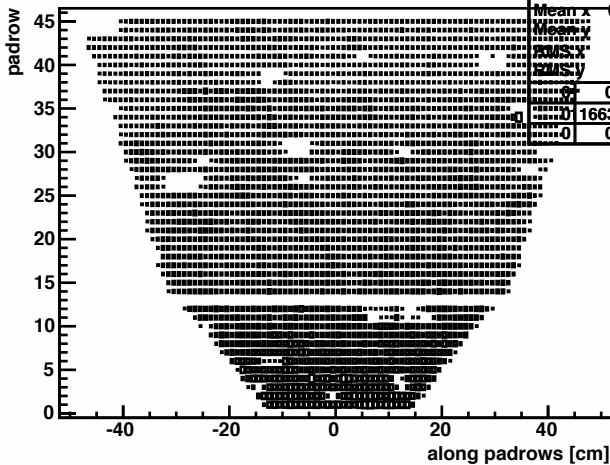
StE Hits in TPC Sector 3



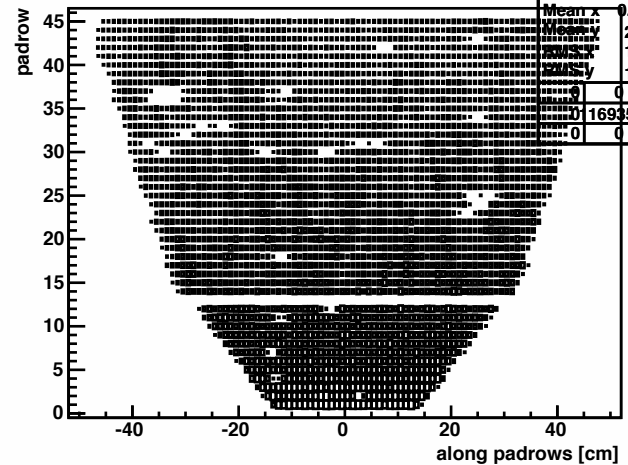
StE Hits in TPC Sector 4



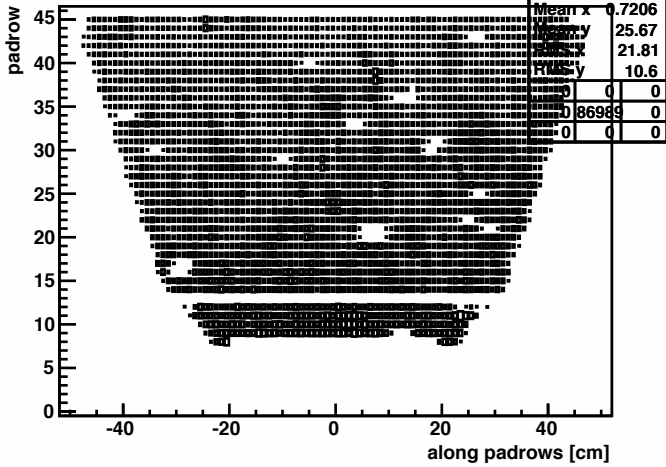
StE Hits in TPC Sector 5



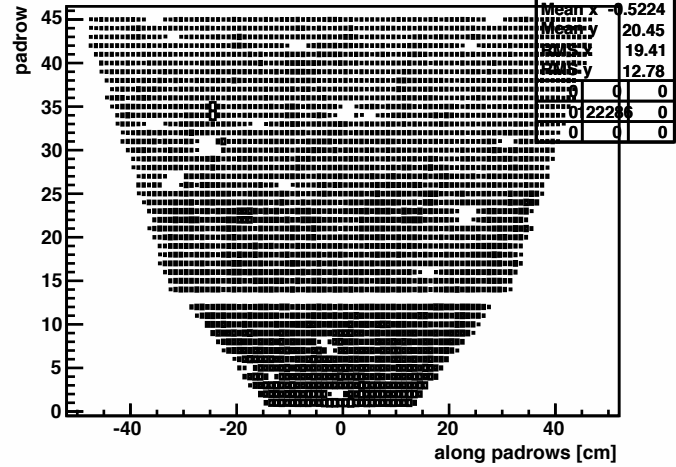
StE Hits in TPC Sector 6



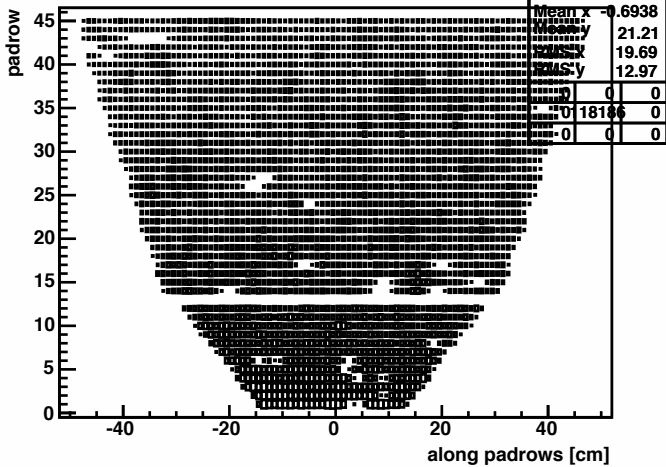
StE Hits in TPC Sector 7



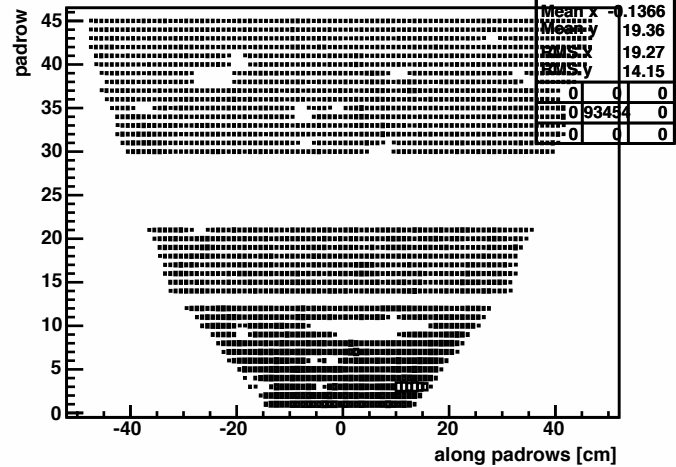
StE Hits in TPC Sector 8



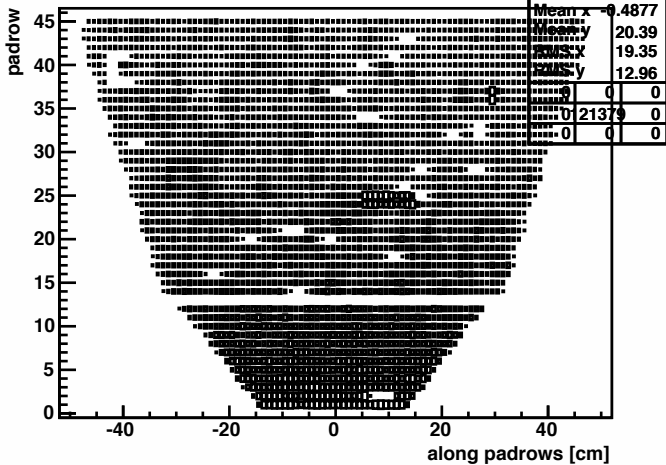
StE Hits in TPC Sector 9



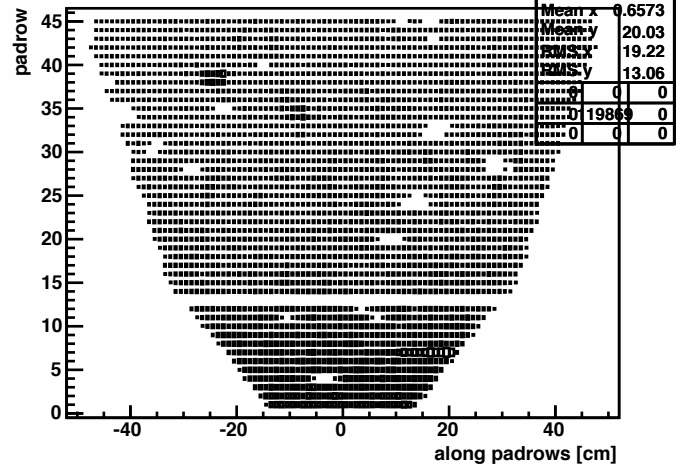
StE Hits in TPC Sector 10



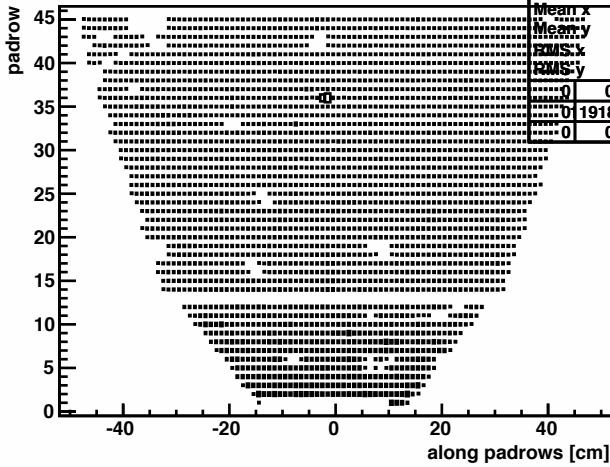
StE Hits in TPC Sector 11



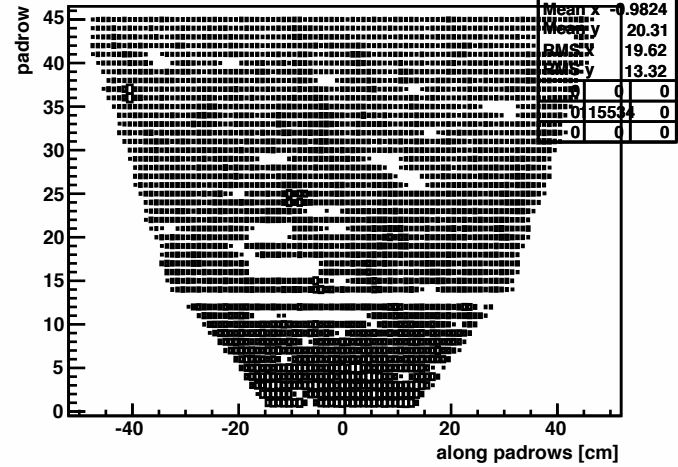
StE Hits in TPC Sector 12



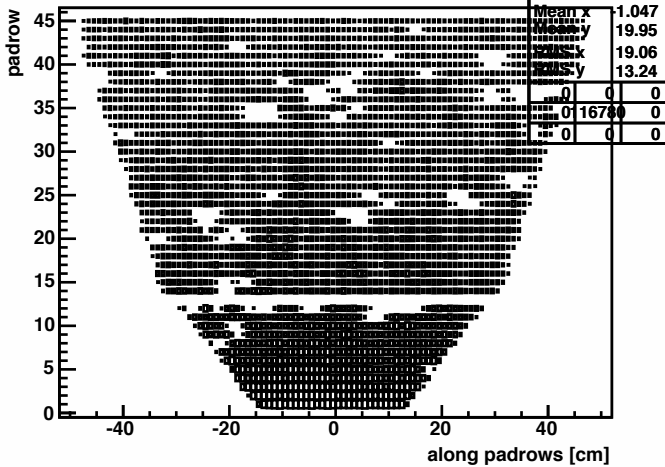
StE Hits in TPC Sector 13



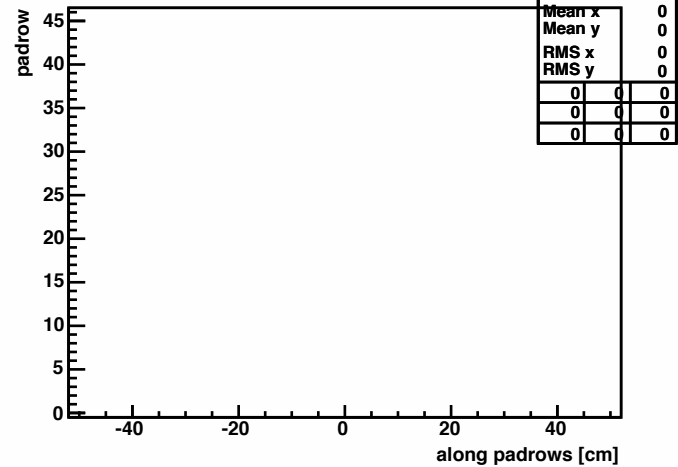
StE Hits in TPC Sector 14



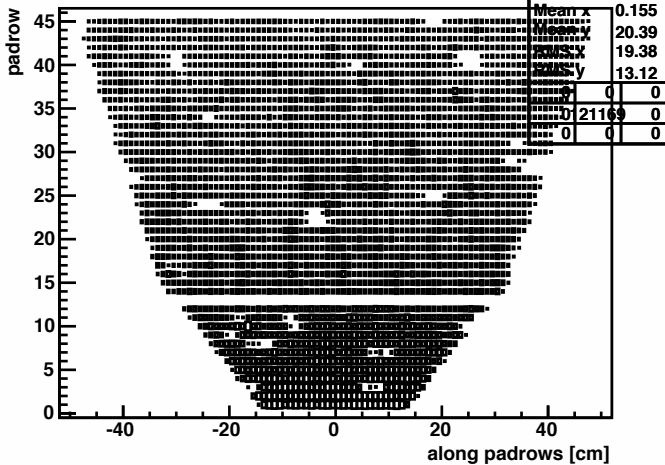
StE Hits in TPC Sector 15



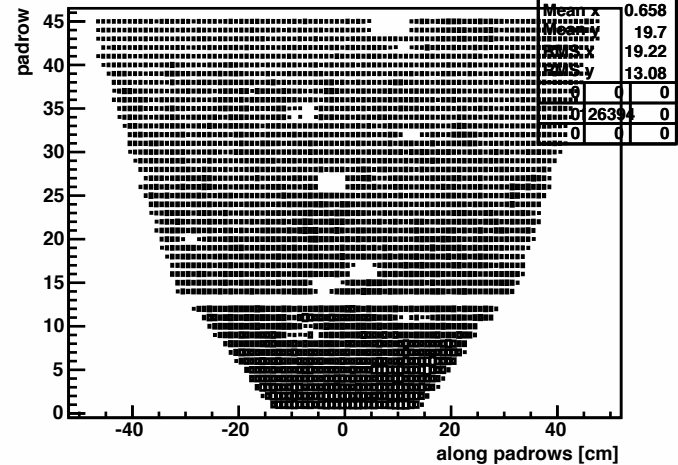
StE Hits in TPC Sector 16



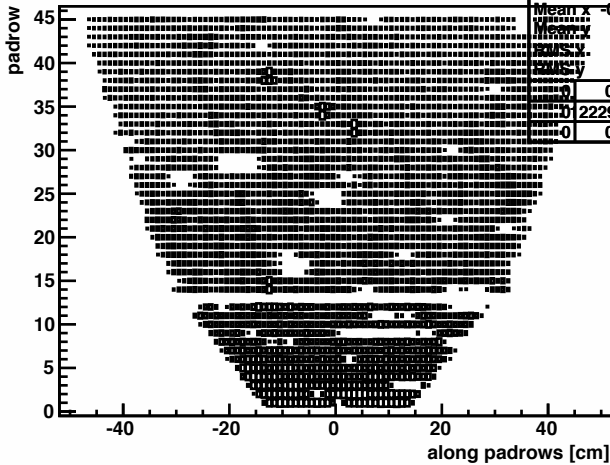
StE Hits in TPC Sector 17



StE Hits in TPC Sector 18

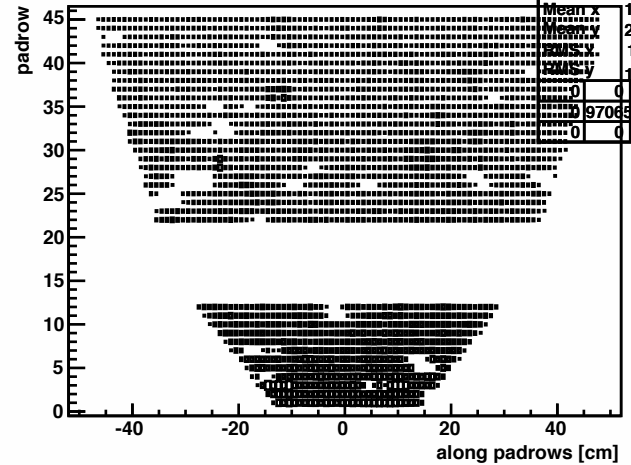


StE Hits in TPC Sector 19



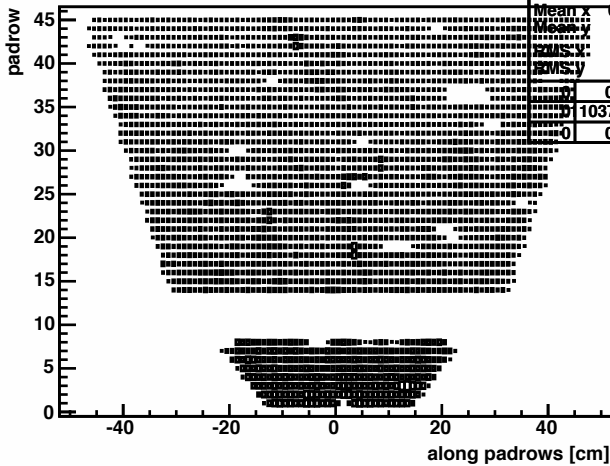
StEQaTpcSector19	
Entries	122294
Mean x	-0.1683
Mean y	21.08
RMS x	19.37
RMS y	13.15
Min	0
Max	22294
Min	0
Max	0

StE Hits in TPC Sector 20



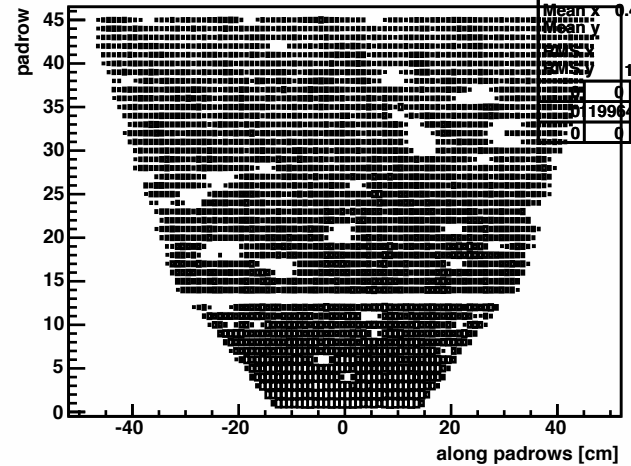
StEQaTpcSector20	
Entries	97065
Mean x	1.058
Mean y	20.65
RMS x	19.21
RMS y	14.47
Min	0
Max	97065
Min	0
Max	0

StE Hits in TPC Sector 21



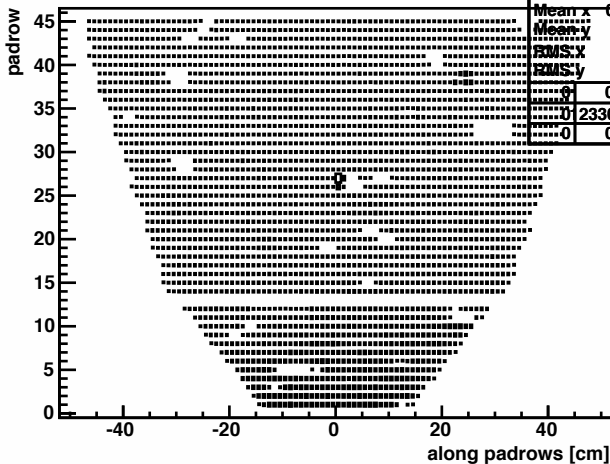
StEQaTpcSector21	
Entries	110378
Mean x	-0.3929
Mean y	21.5
RMS x	20.07
RMS y	13.37
Min	0
Max	110378
Min	0
Max	0

StE Hits in TPC Sector 22



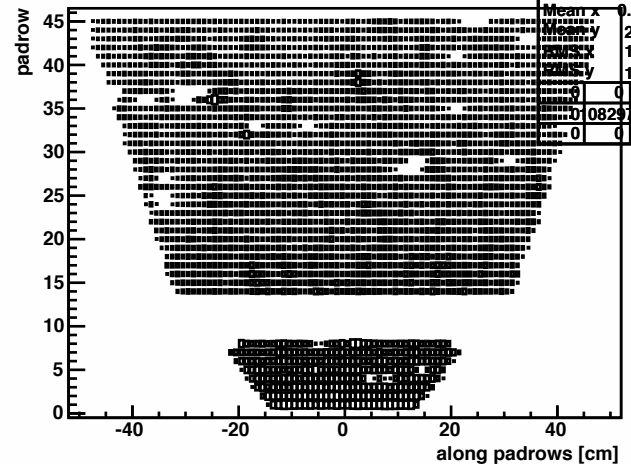
StEQaTpcSector22	
Entries	119964
Mean x	0.4767
Mean y	20.2
RMS x	19.2
RMS y	13.12
Min	0
Max	119964
Min	0
Max	0

StE Hits in TPC Sector 23



StEQaTpcSector23	
Entries	123302
Mean x	-0.7647
Mean y	20.21
RMS x	19.22
RMS y	12.95
Min	0
Max	123302
Min	0
Max	0

StE Hits in TPC Sector 24

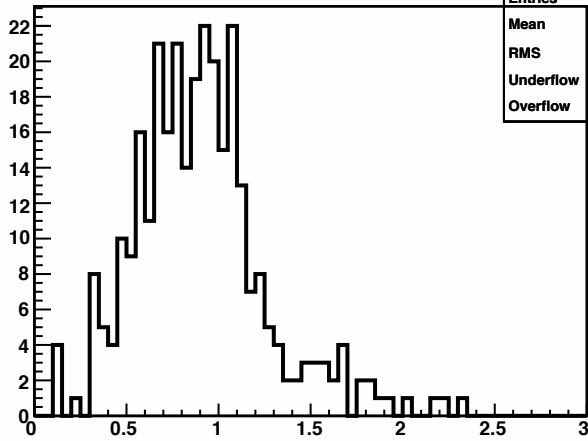


StEQaTpcSector24	
Entries	108297
Mean x	-0.1029
Mean y	21.67
RMS x	19.59
RMS y	13.42
Min	0
Max	108297
Min	0
Max	0

StE softmon: all charge east/west,tpc

StEQaEvsumTotChg.

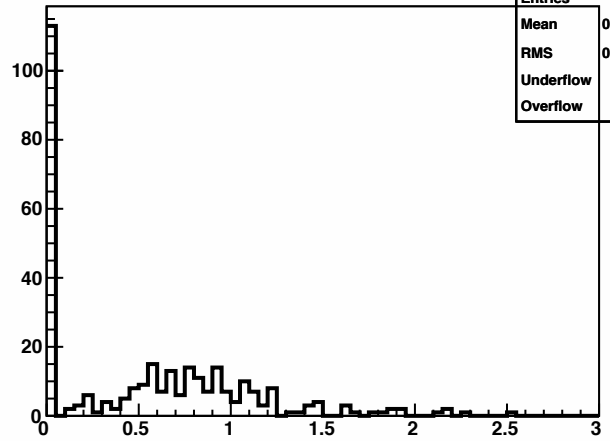
Entries	305
Mean	0.9043
RMS	0.3616
Underflow	0
Overflow	1



StE softmon: all charge east/west,ftpc

StEQaEvsumTotChgF.

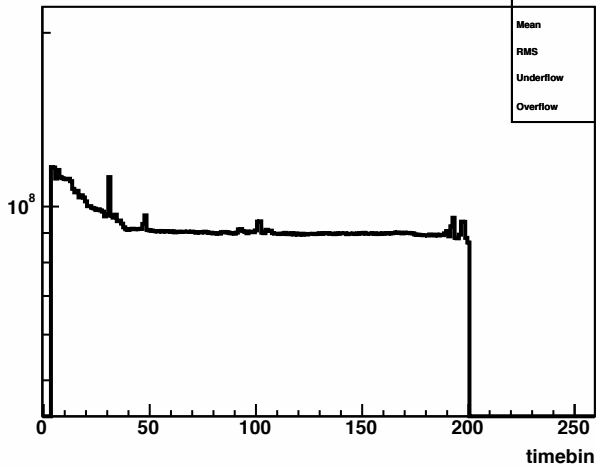
Entries	305
Mean	0.5539
RMS	0.5345
Underflow	0
Overflow	2



FTPC West chargestep

fcl_chargestepW

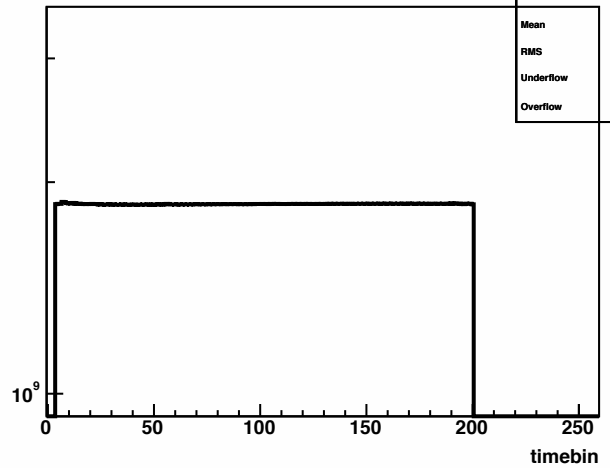
Entries	2.173636e+08
Mean	99.61
RMS	57.76
Underflow	0
Overflow	0



FTPC East chargestep

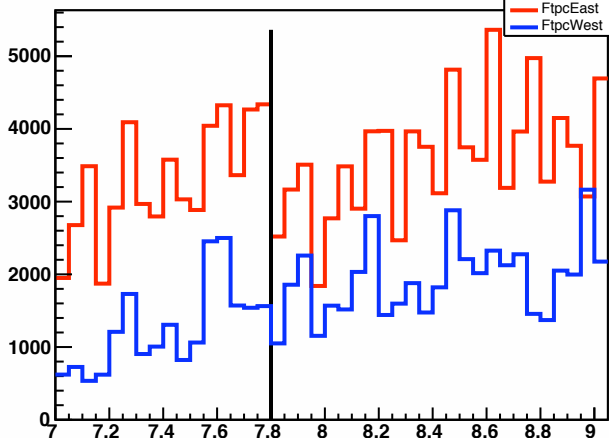
fcl_chargestepE

Entries	1.826253e+09
Mean	102
RMS	56.88
Underflow	0
Overflow	0



FTPCW+E cluster radial position

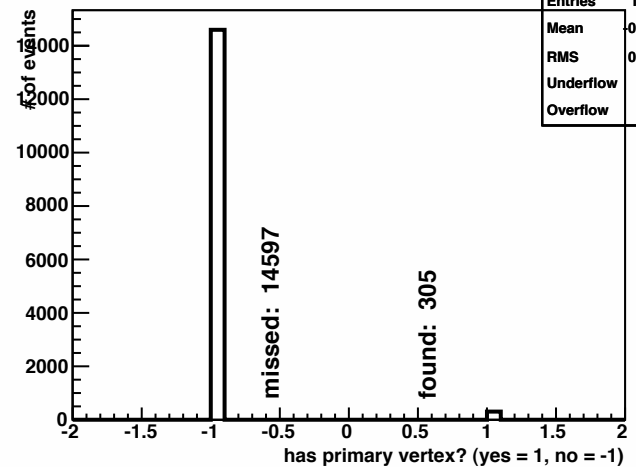
Legend

FtpcEast
FtpcWest

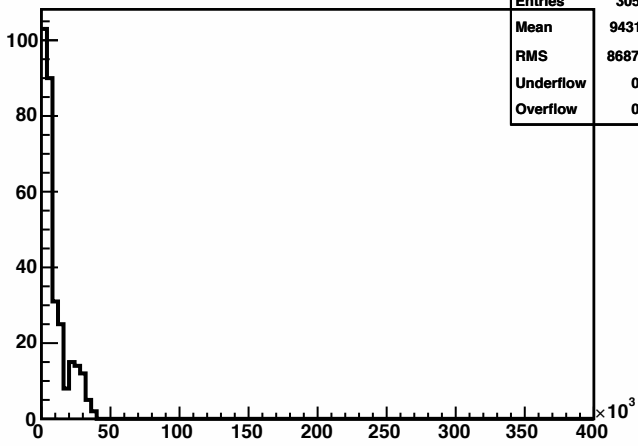
StE event primary vertex check

StEQaNullPrimVtxMult

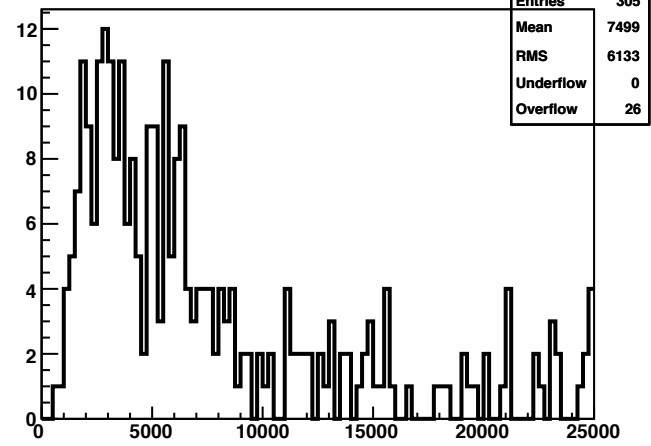
Entries	14902
Mean	-0.9591
RMS	0.2832
Underflow	0
Overflow	0



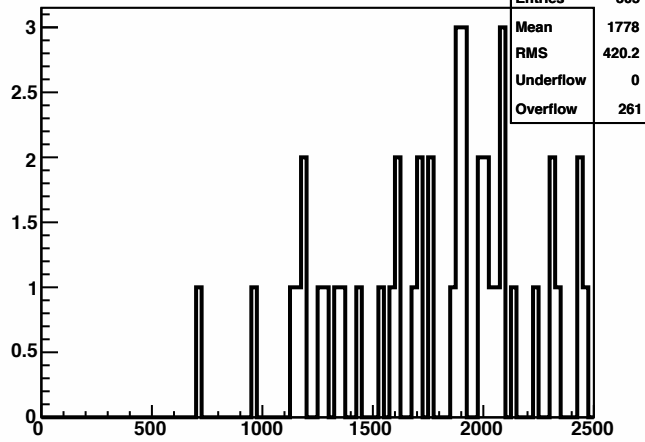
StE point: # hits total



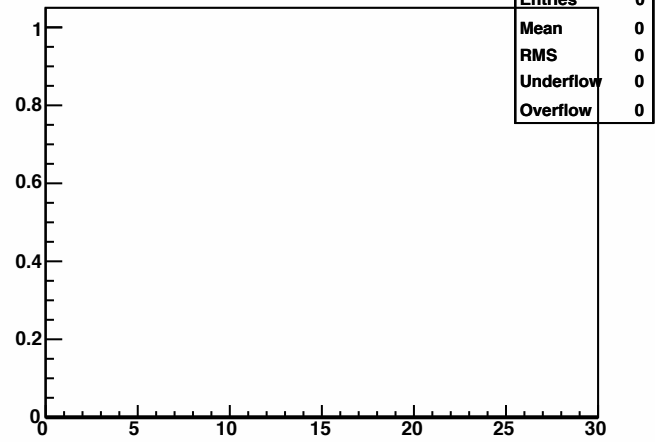
StE point: # hits total



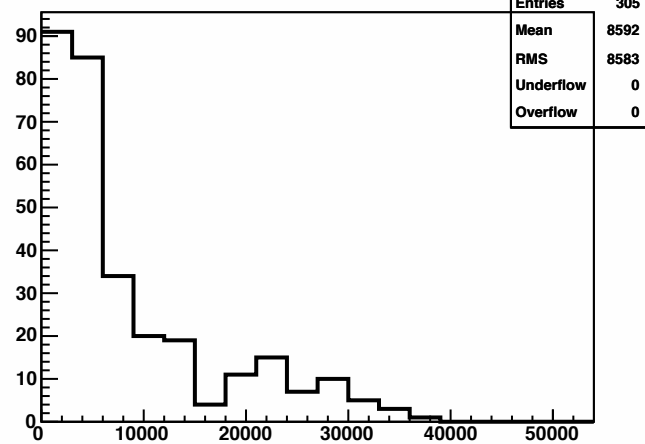
StE point: # hits total



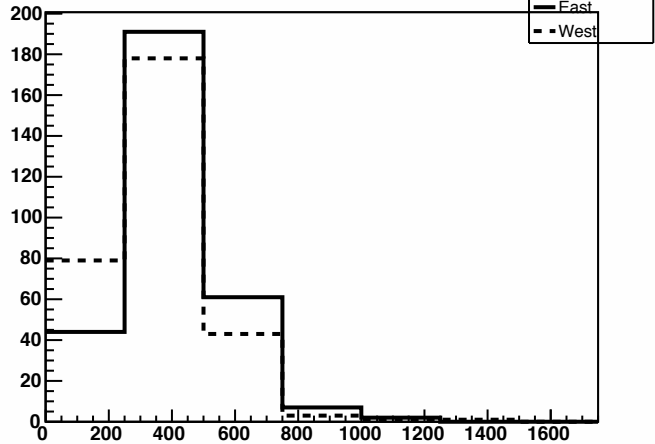
StE point: detector ID of hit



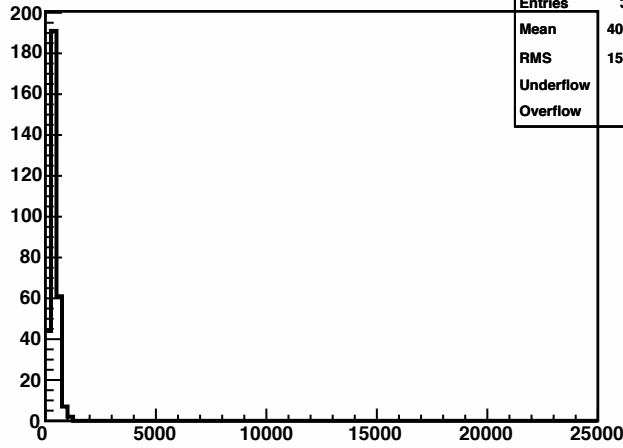
StE point: # hits tpc



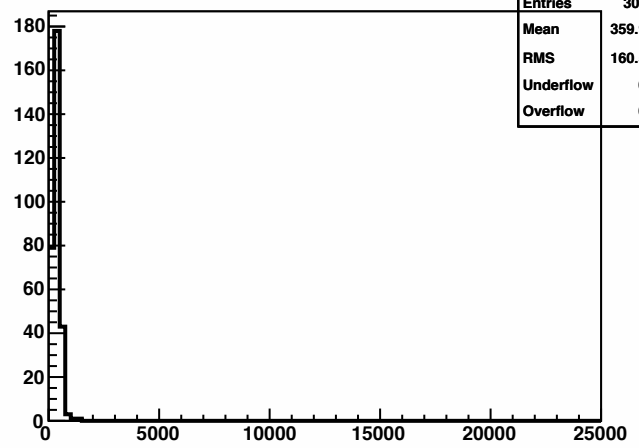
StE point: # hits ftpc



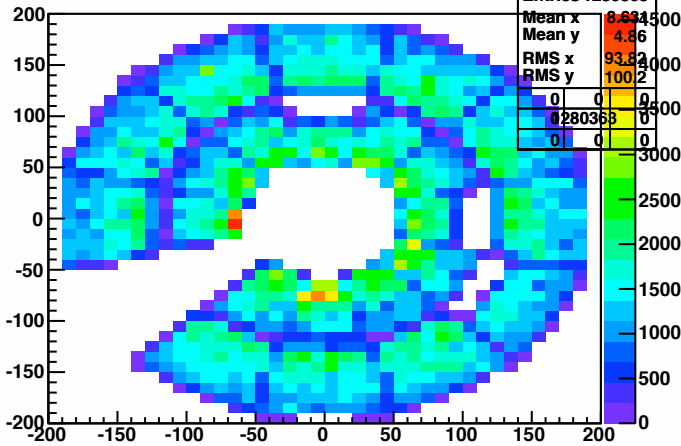
StE point: # hits ftpcE



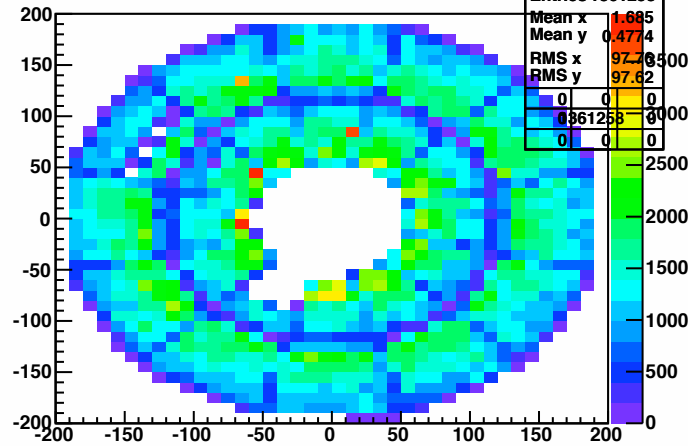
StE point: # hits ftpcW



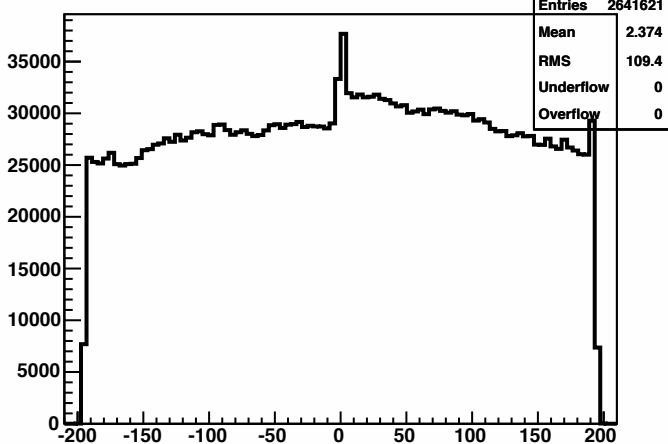
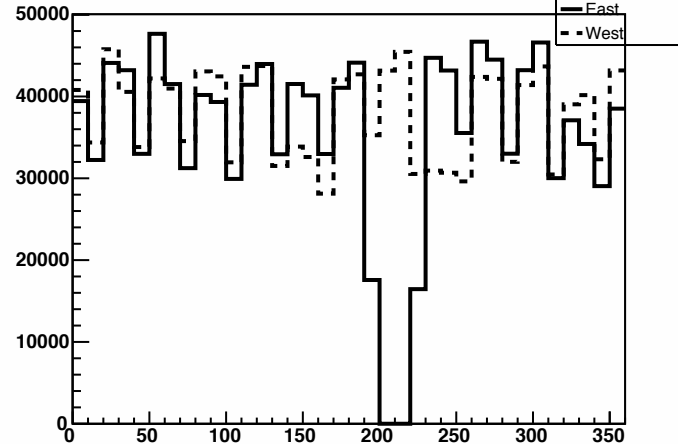
StE point: x-y distribution of hits, tpcE



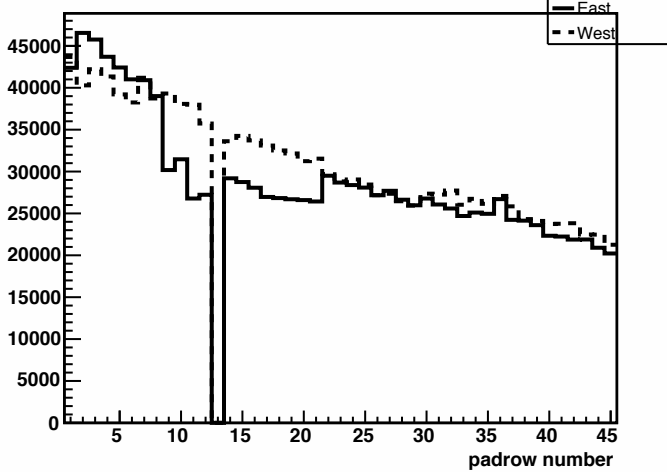
StE point: x-y distribution of hits, tpcW



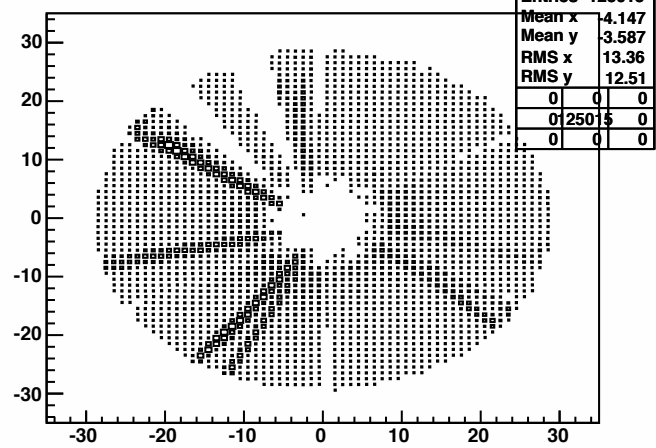
StE point: z distribution of hits, tpc

StE point: ϕ distribution of hits, tpc

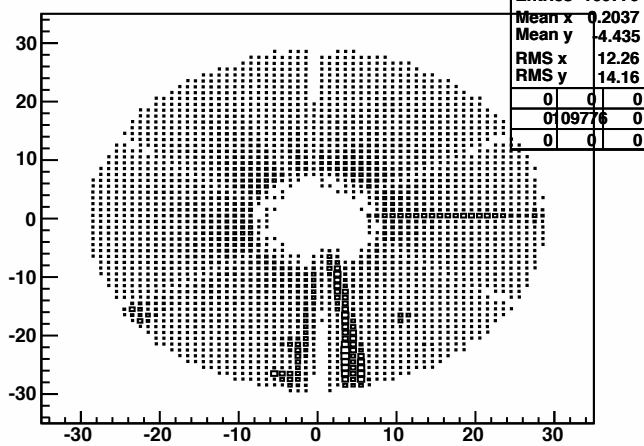
StE point: padrow distribution of hits, tpc



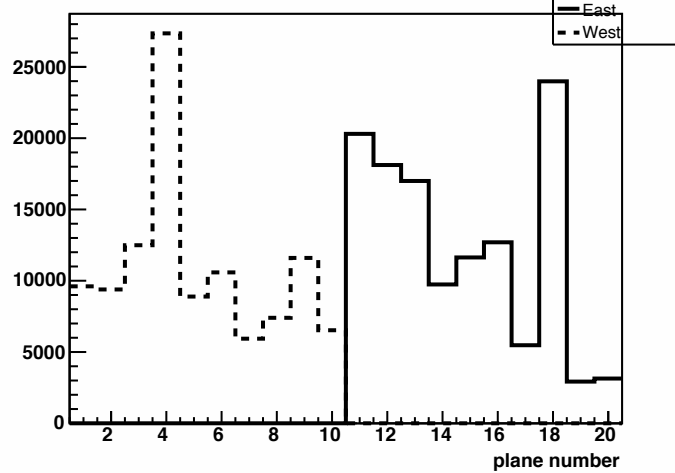
StE point: x-y distribution of hits, ftpcE



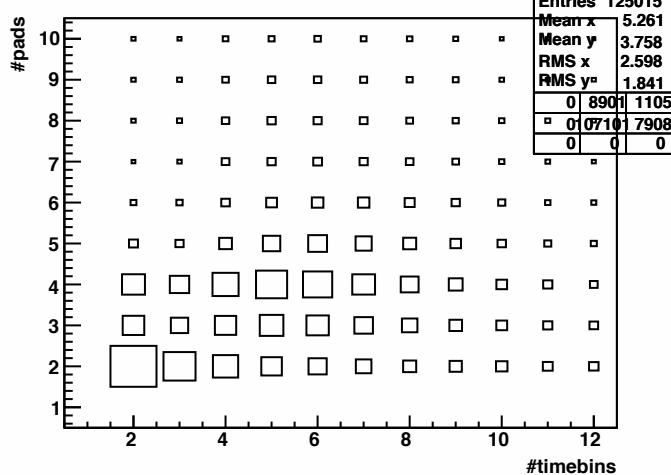
StE point: x-y distribution of hits, ftpcW



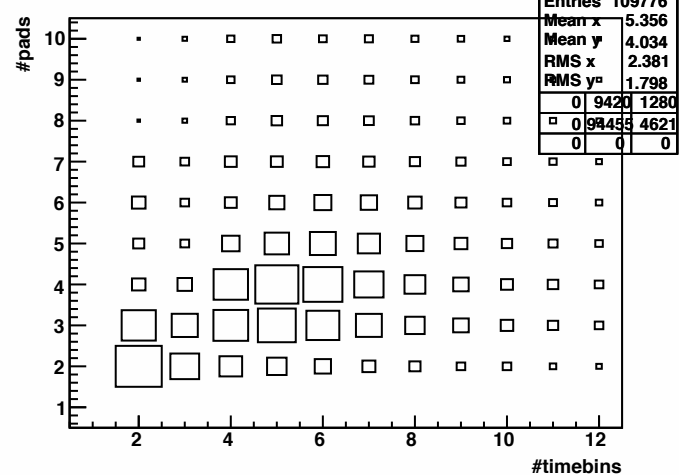
StE point: plane distribution of hits, ftpc



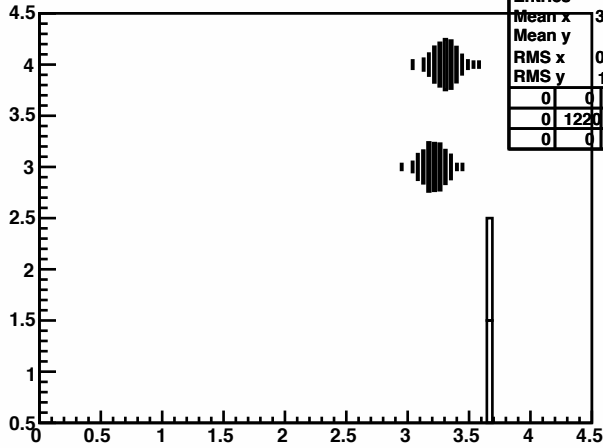
StE point: #pads vs #timebins of hits, ftpcE



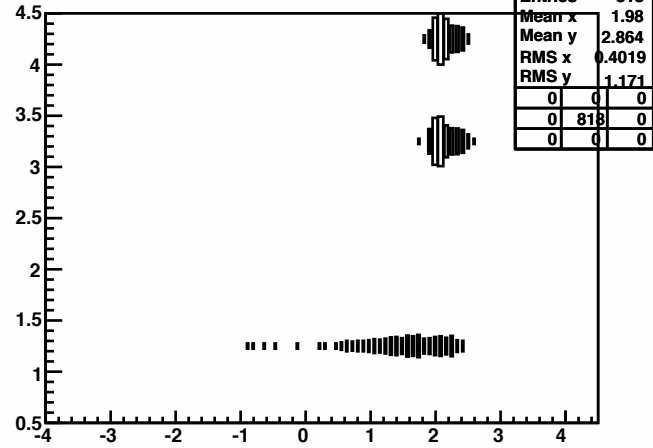
StE point: #pads vs #timebins of hits, ftpcW



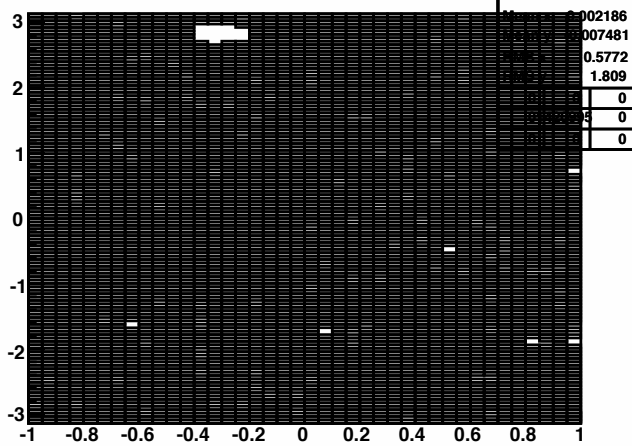
StEmc: Number of hit(log) .vs. Detector #



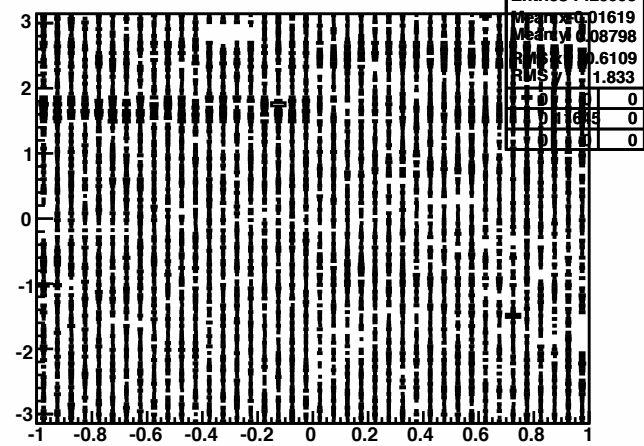
StEmc: Total energy(log) .vs. Detector #



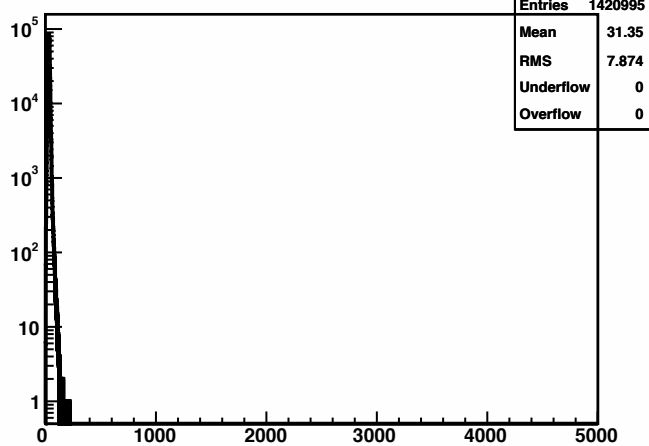
StE Barrelbmc hits dist.



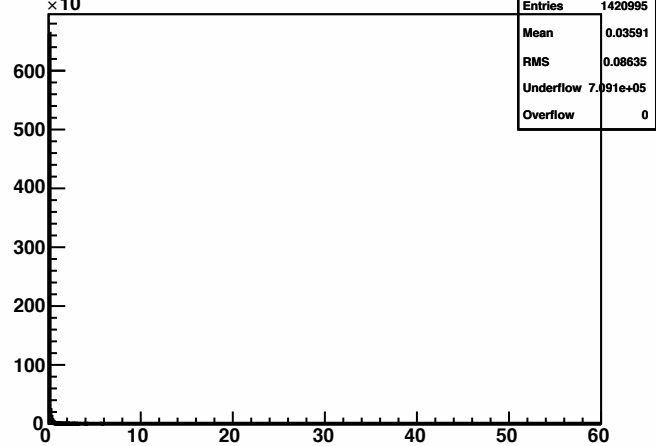
StE Barrelbmc energy dist. in eta&phi



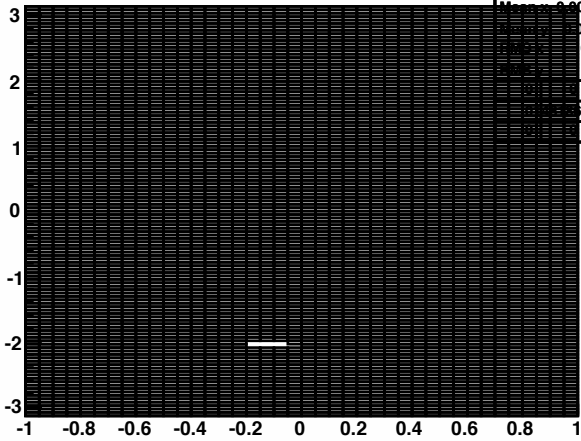
StE Barrelbmc ADC dist.



StE Barrelbmc energy dist.

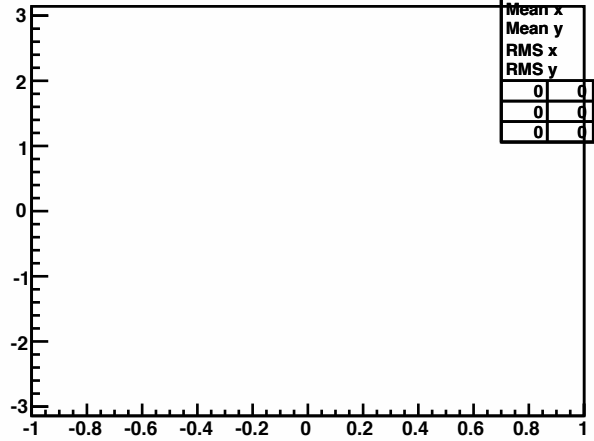


StE Barrelbprs hits dist.



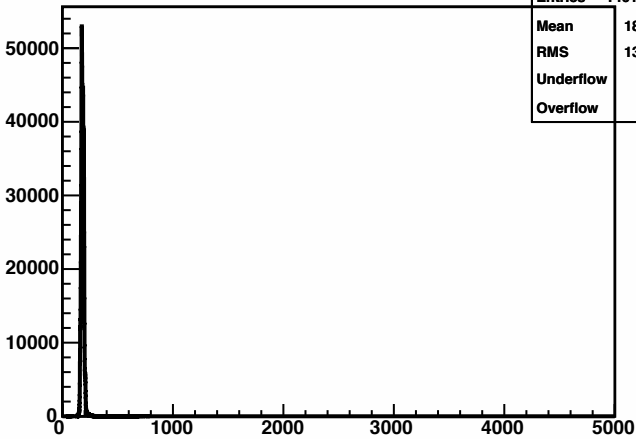
StEbprsHits	
Entries	1461865
Mean x	0.001617
Mean y	0.02988
RMS x	0.5772
RMS y	1.813
Underflow	0
Overflow	0

StE Barrelbprs energy dist. in eta&phi



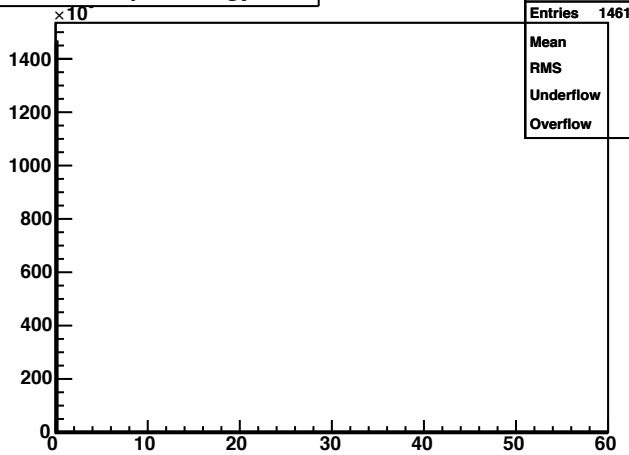
StEbprsEnergy2D	
Entries	1461865
Mean x	0
Mean y	0
RMS x	0
RMS y	0
Underflow	0
Overflow	0

StE Barrelbprs ADC dist.



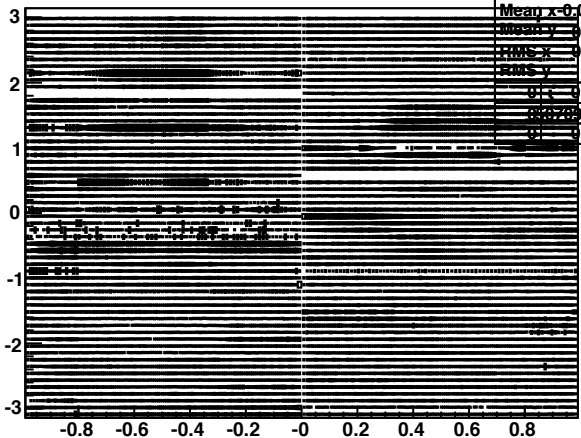
StEbprsAdc	
Entries	1461865
Mean	181.5
RMS	13.27
Underflow	0
Overflow	0

StE Barrelbprs energy dist.



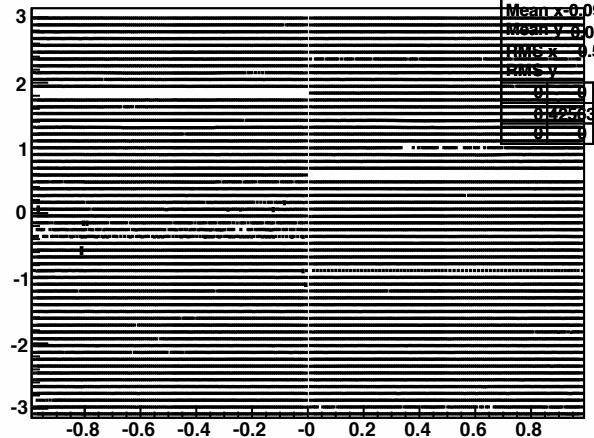
StEbprsEnergy	
Entries	1461865
Mean	0
RMS	0
Underflow	0
Overflow	0

StE Barrelbsmde hits dist.



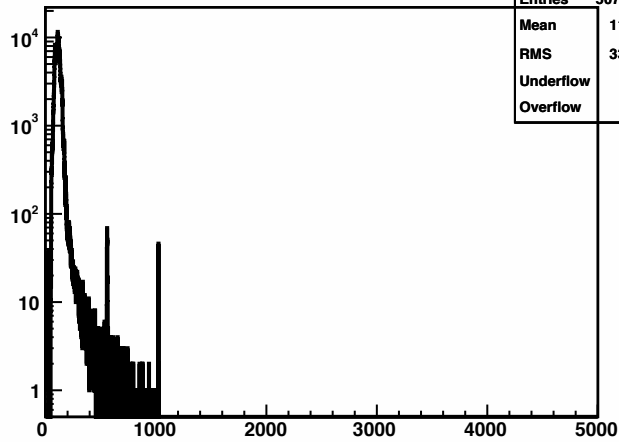
StEbsmdeHits	
Entries	507096
Mean x	0.06926
Mean y	0.1336
RMS x	0.5578
RMS y	1.662
Underflow	0
Overflow	0

StE Barrelbsmde energy dist. in eta&phi

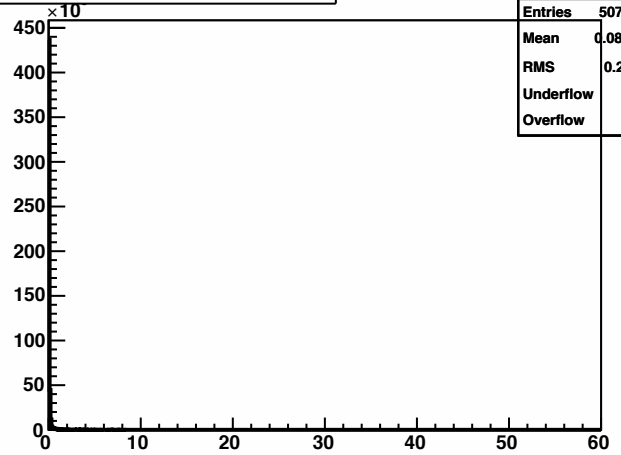


StEbsmdeEnergy2D	
Entries	507096
Mean x	0.09596
Mean y	0.02233
RMS x	0.5685
RMS y	1.62
Underflow	0
Overflow	0

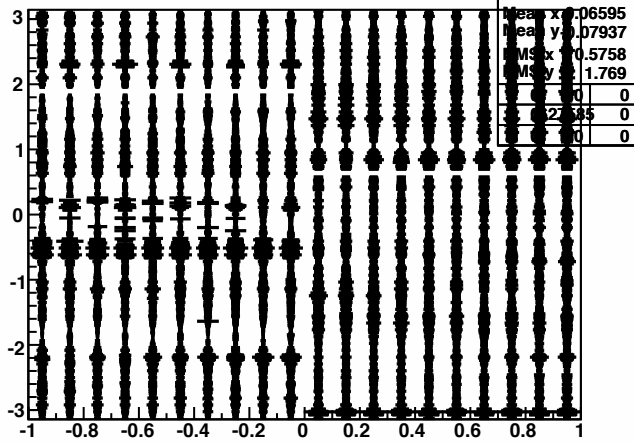
StE Barrelbsmde ADC dist.



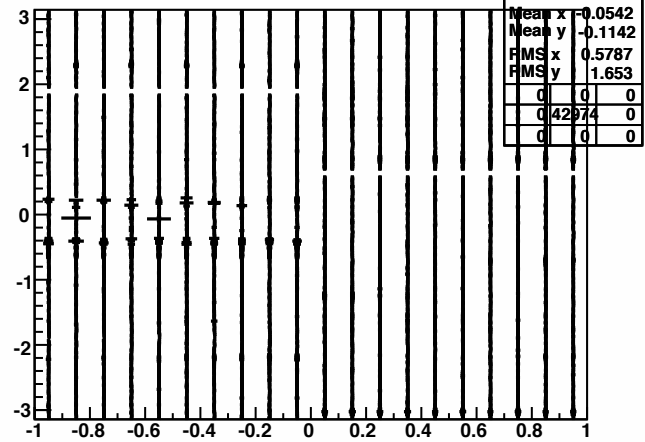
StE Barrelbsmde energy dist.



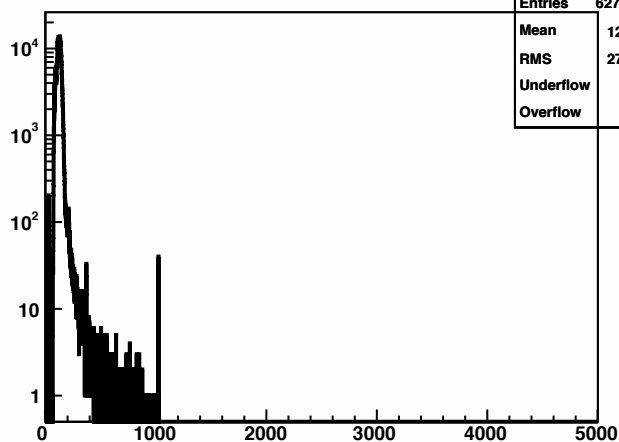
StE Barrelbsmdp hits dist.



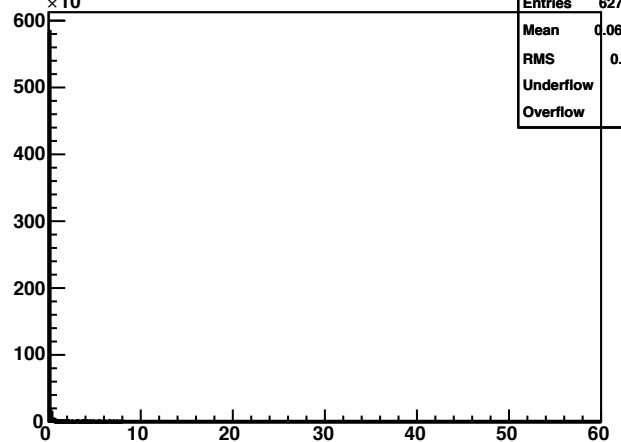
StE Barrelbsmdp energy dist. in eta&phi



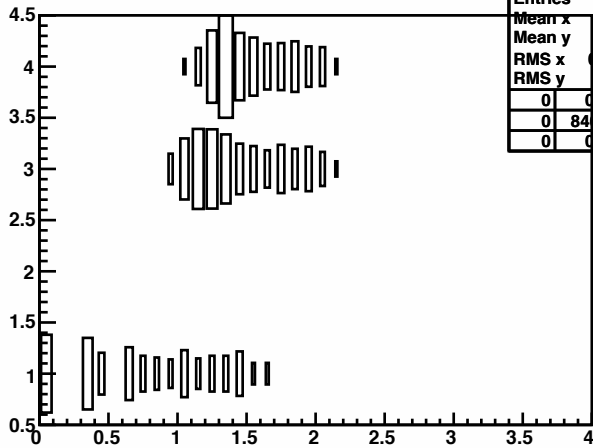
StE Barrelbsmdp ADC dist.



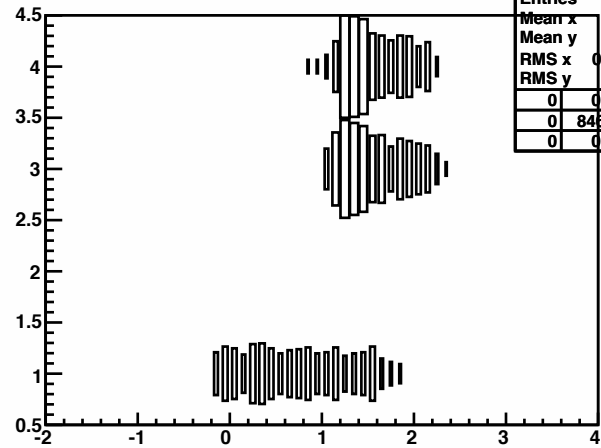
StE Barrelbsmdp energy dist.



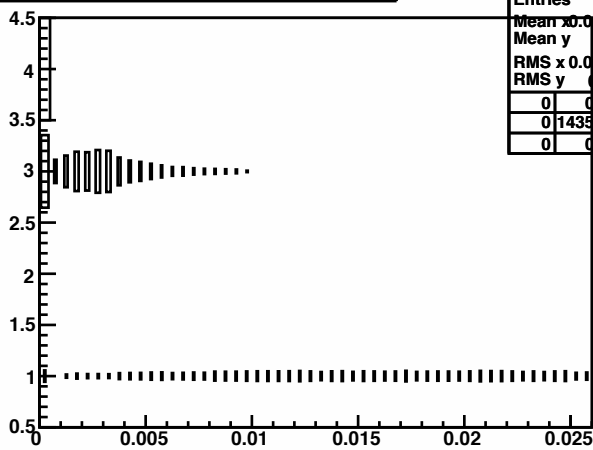
StE emc: Number of cluster(log) .vs. Detector #



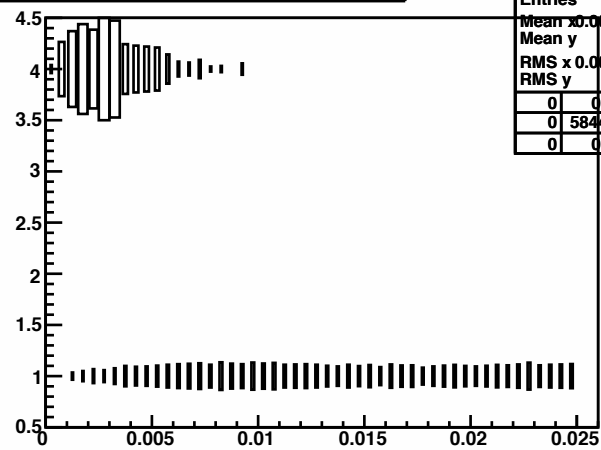
StE emc: Total PreCluster Energy(log) .vs. Detector #



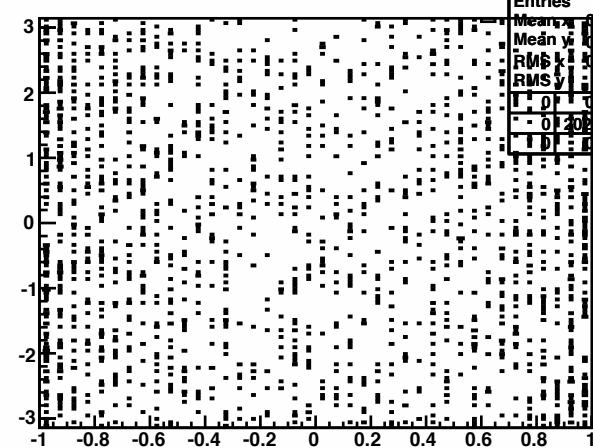
StE emc: Sigma(eta) .vs. Detector #



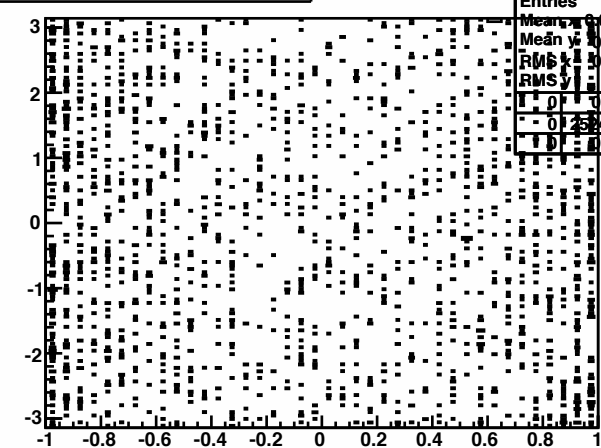
StE emc: Sigma(phi) .vs. Detector #



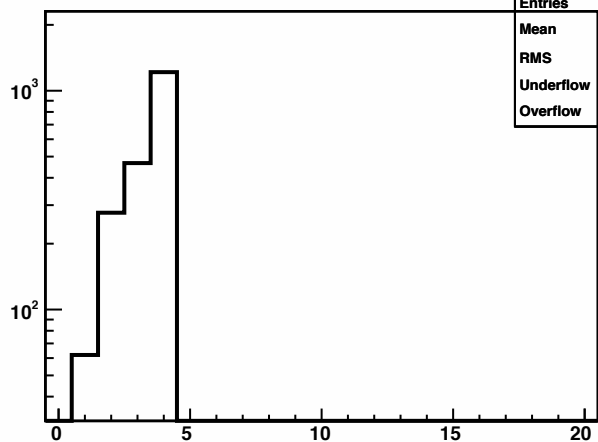
StE bemc cluster



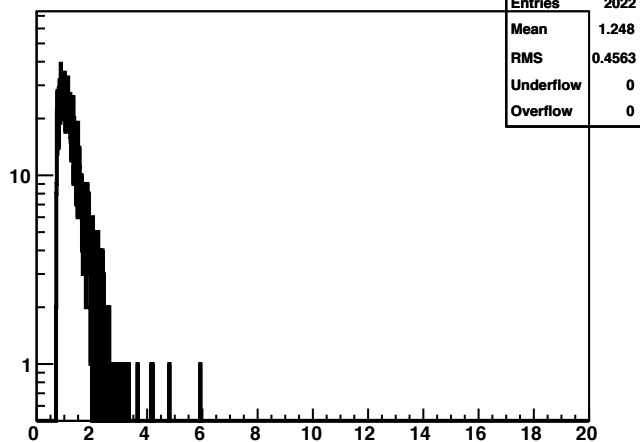
StE bemc energy of cluster



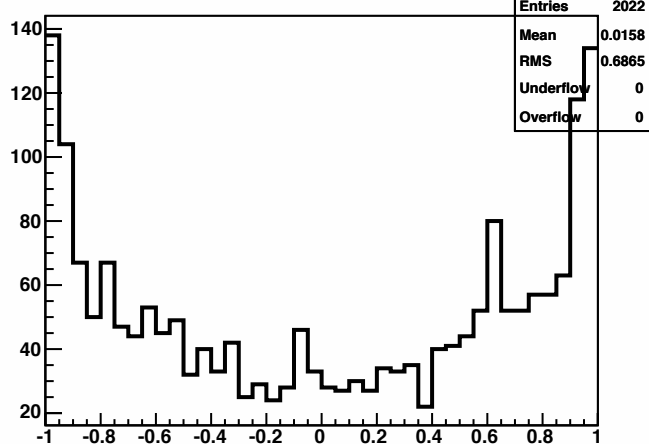
StE Number hits in cluster for bmc



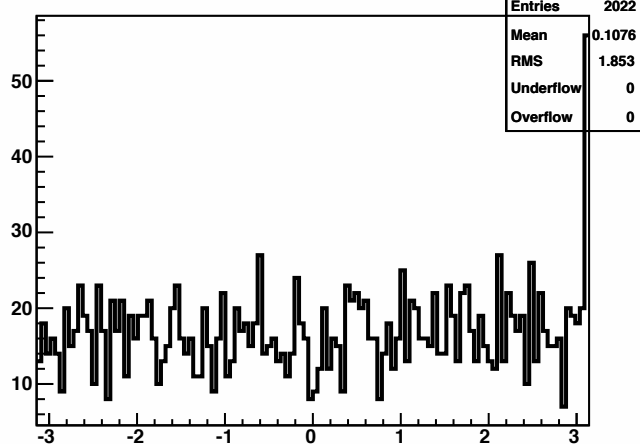
StE Energy of cluster for bmc



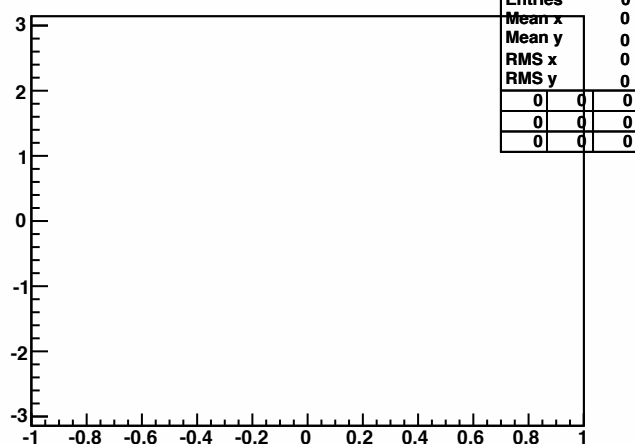
StE Eta of clusters for bmc



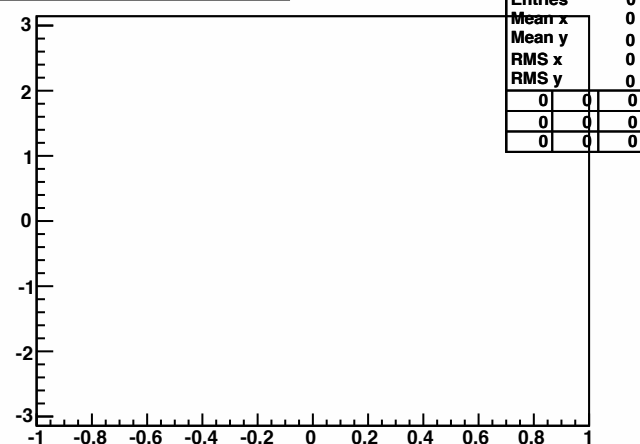
StE Phi of clusters for bmc



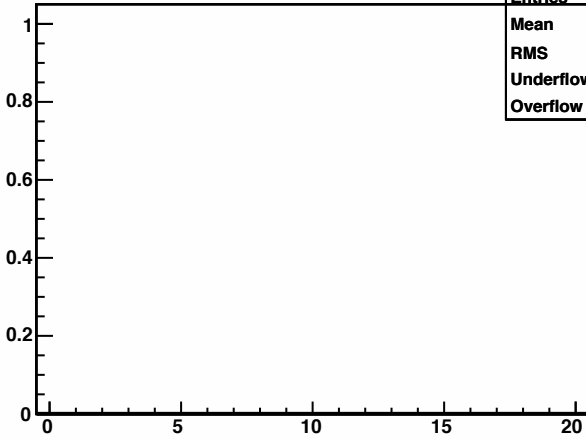
StE bprs cluster



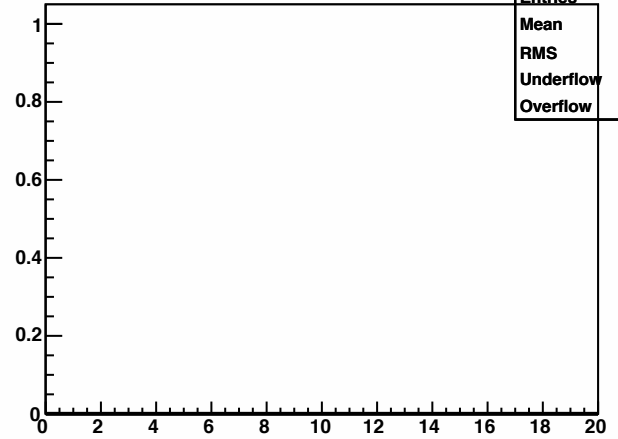
StE bprs energy of cluster



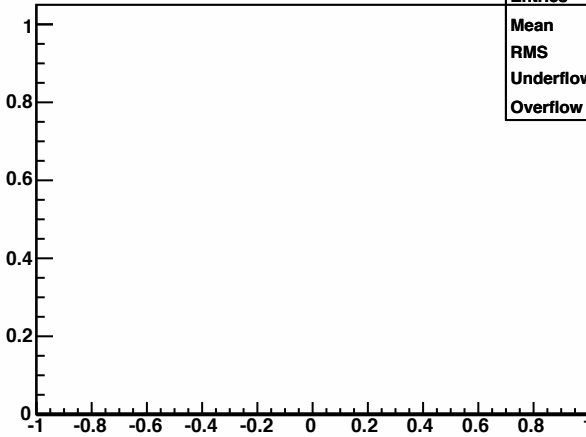
StE Number hits in cluster for bprs



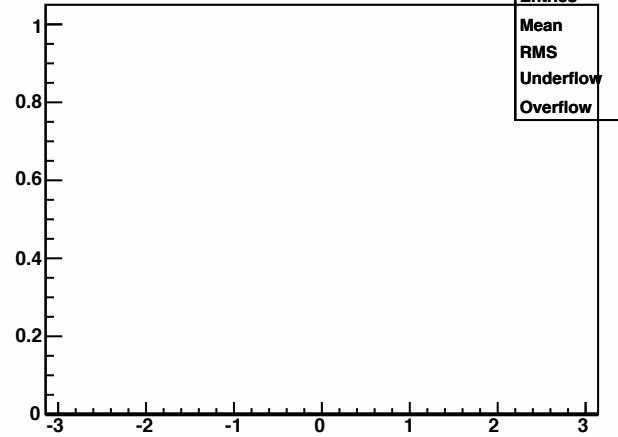
StE Energy of cluster for bprs



StE Eta of clusters for bprs



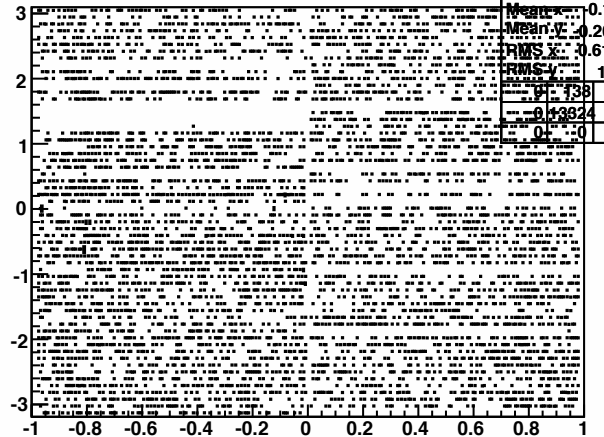
StE Phi of clusters for bprs



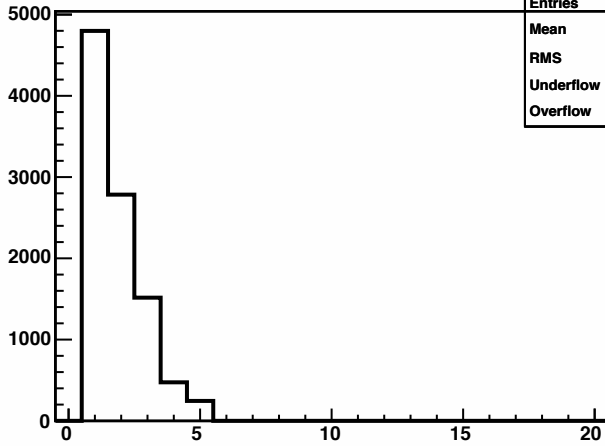
StE bsmde cluster



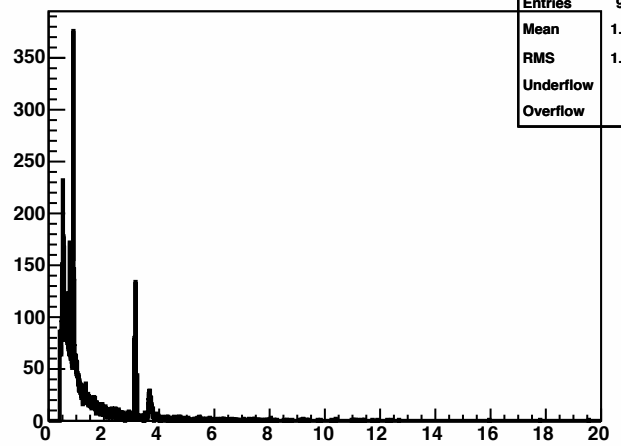
StE bsmde energy of cluster



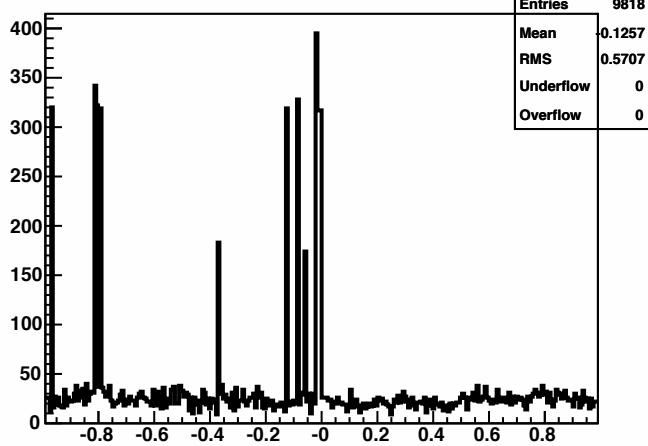
StE Number hits in cluster for bsmde



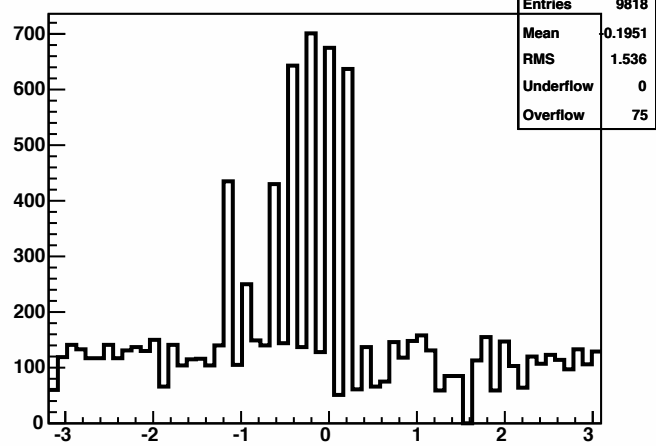
StE Energy of cluster for bsmde



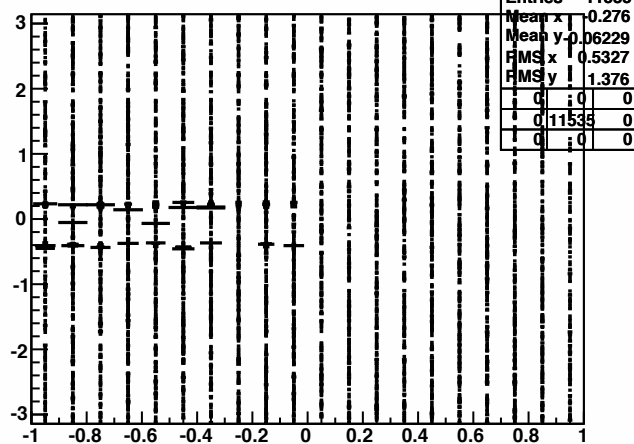
StE Eta of clusters for bsmde



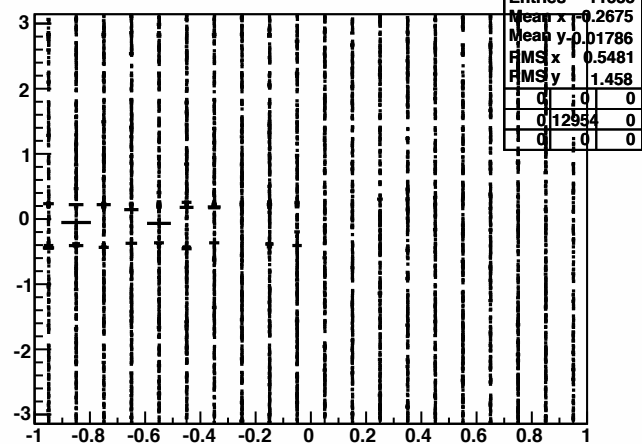
StE Phi of clusters for bsmde



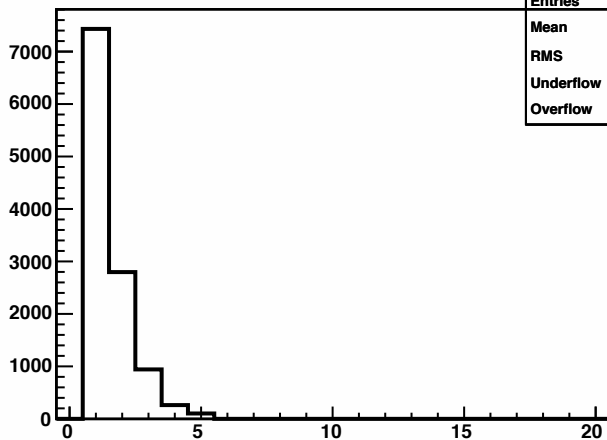
StE bsmdp cluster



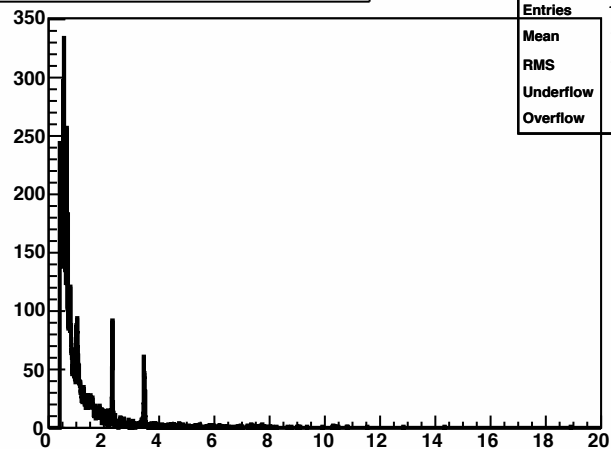
StE bsmdp energy of cluster



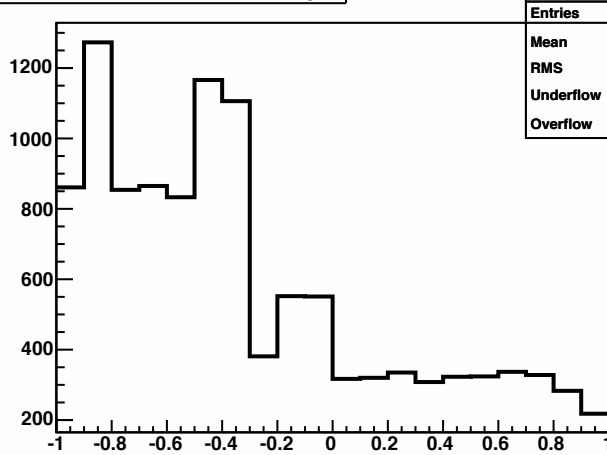
StE Number hits in cluster for bsmdp



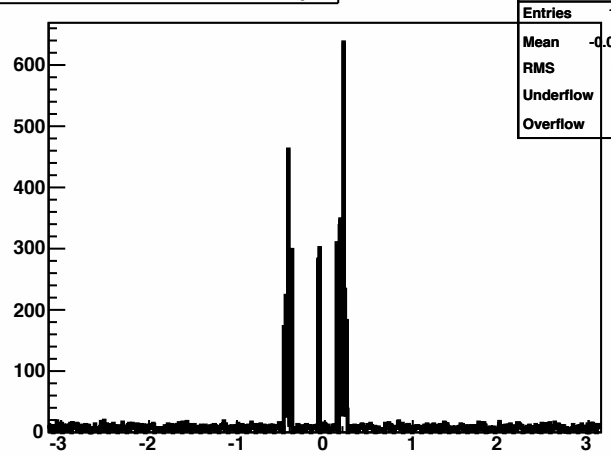
StE Energy of cluster for bsmdp



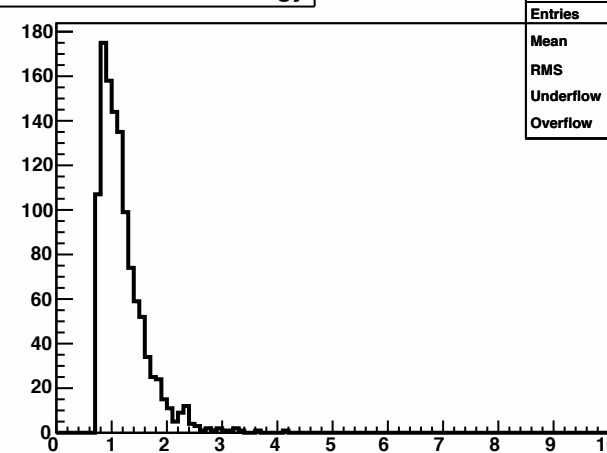
StE Eta of clusters for bsmdp



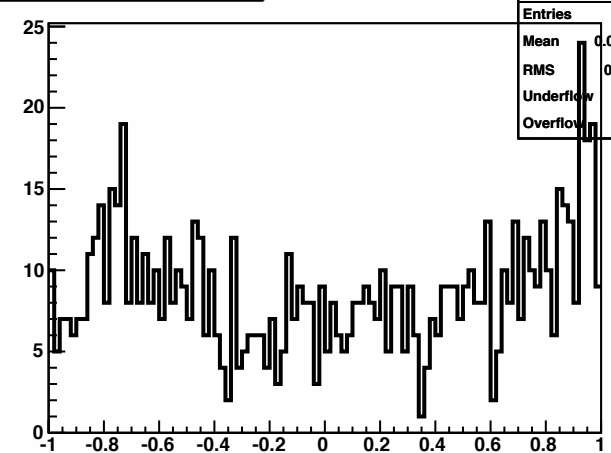
StE Phi of clusters for bsmdp



StE EmcCat1 Point Energy

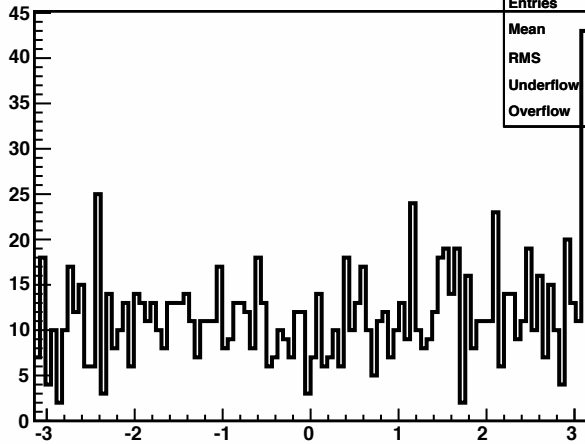


StE EmcCat1 Point Eta



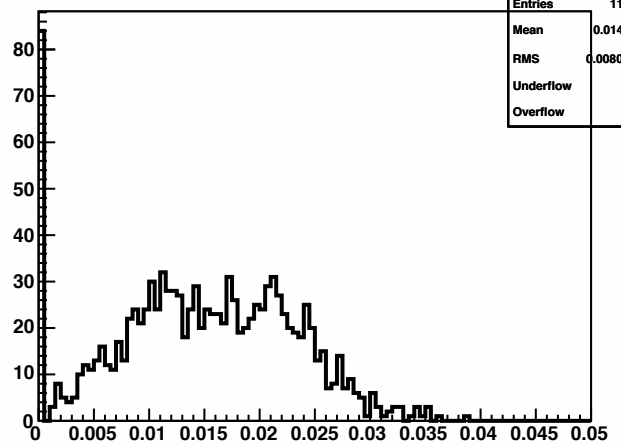
StE EmcCat1 Point Phi

StEEmcCat1_Point_Phi	
Entries	1158
Mean	0.1812
RMS	1.867
Underflow	0
Overflow	0



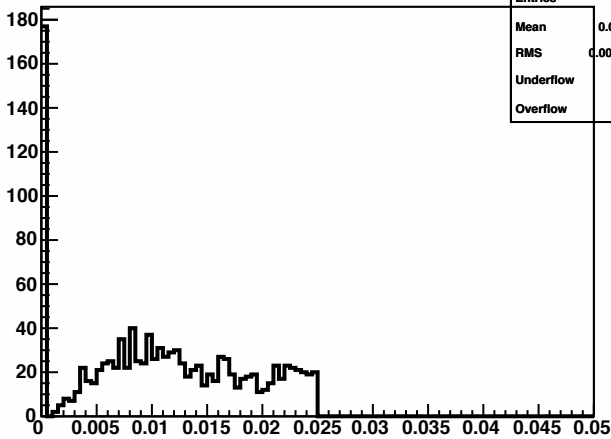
StE EmcCat1 Sigma Eta

StEEmcCat1_Sigma_Eta	
Entries	1158
Mean	0.01498
RMS	0.008017
Underflow	0
Overflow	0



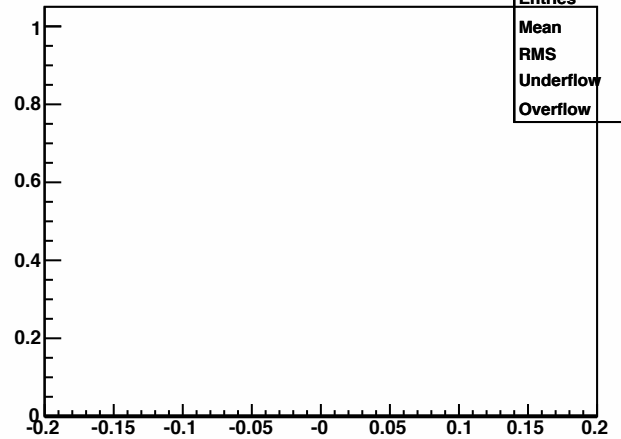
StE EmcCat1 Sigma Phi

StEEmcCat1_Sigma_Phi	
Entries	1158
Mean	0.01117
RMS	0.007469
Underflow	0
Overflow	0



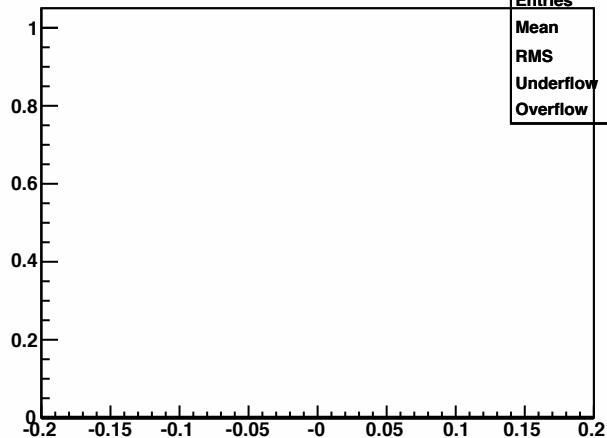
StE EmcCat1 Delta Eta

StEEmcCat1_Delta_Eta	
Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0



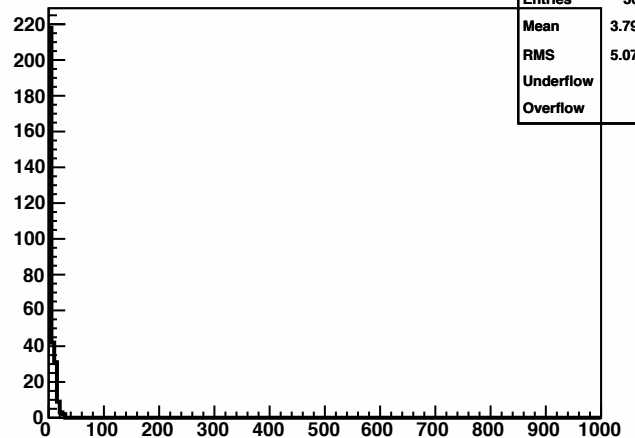
StE EmcCat1 Delta Phi

StEEmcCat1_Delta_Phi	
Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0

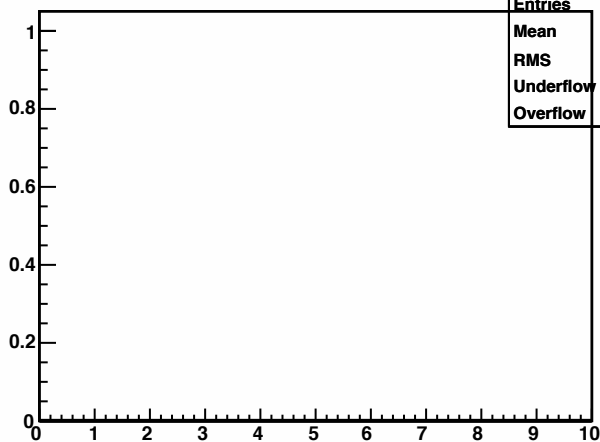


StE EmcCat1 Points Multiplicity

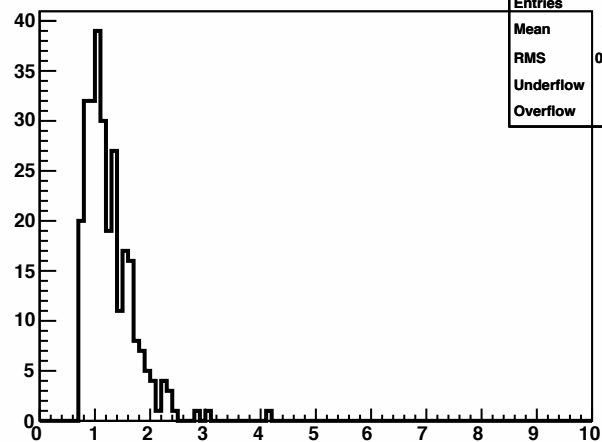
StEEmcCat1_Points_Multiplicity	
Entries	305
Mean	3.797
RMS	5.075
Underflow	0
Overflow	0



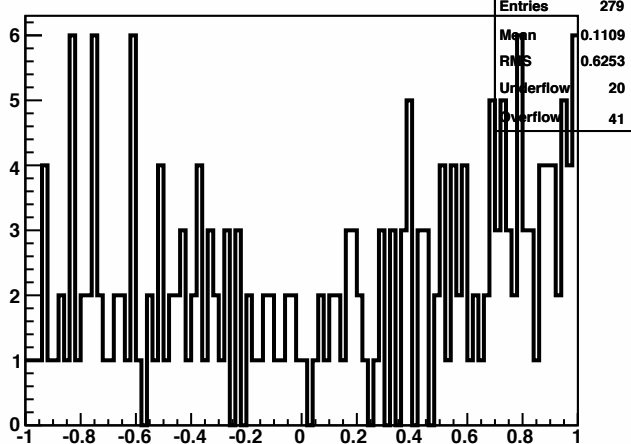
StE EmcCat1 Track Momenta



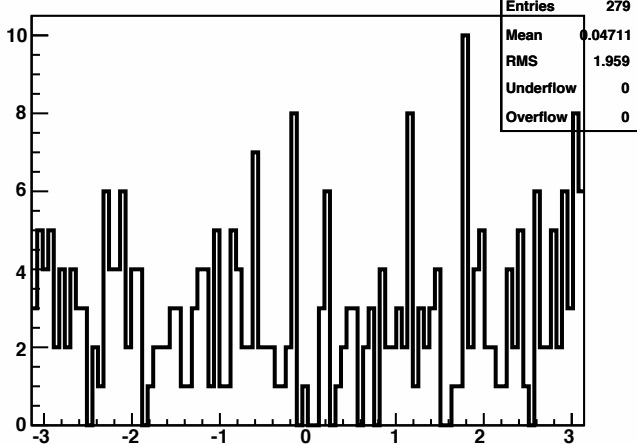
StE EmcCat2 Point Energy



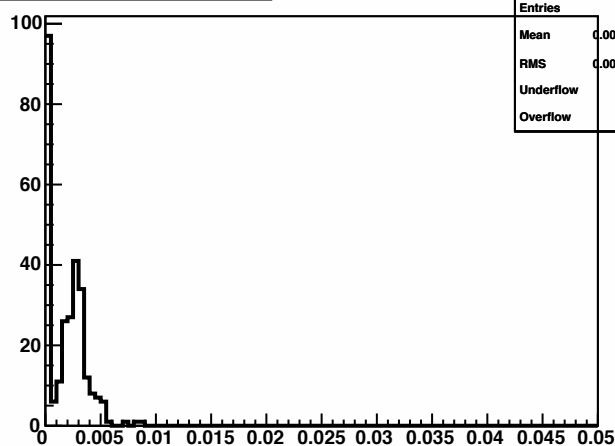
StE EmcCat2 Point Eta



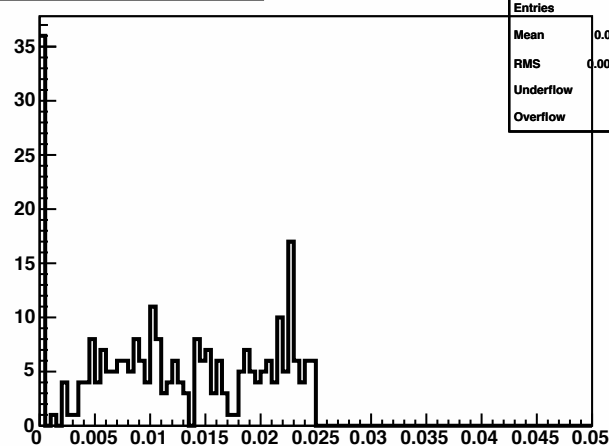
StE EmcCat2 Point Phi



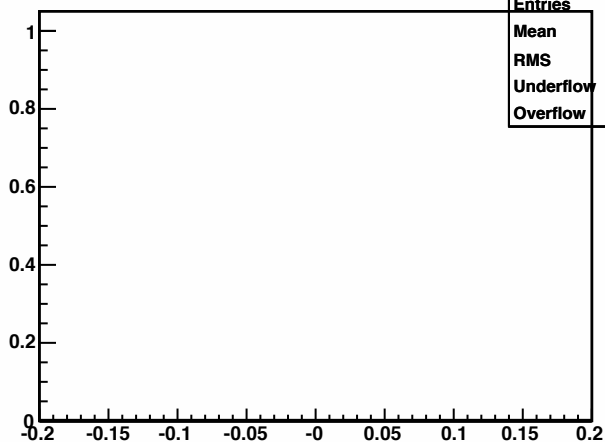
StE EmcCat2 Sigma Eta



StE EmcCat2 Sigma Phi



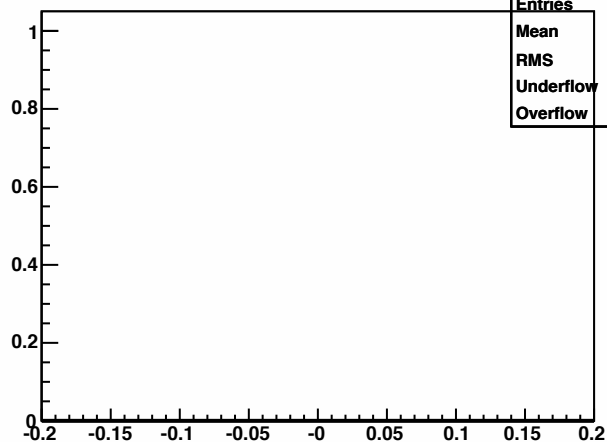
StE EmcCat2 Delta Eta



StEEmcCat2_Delta_Eta

Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0

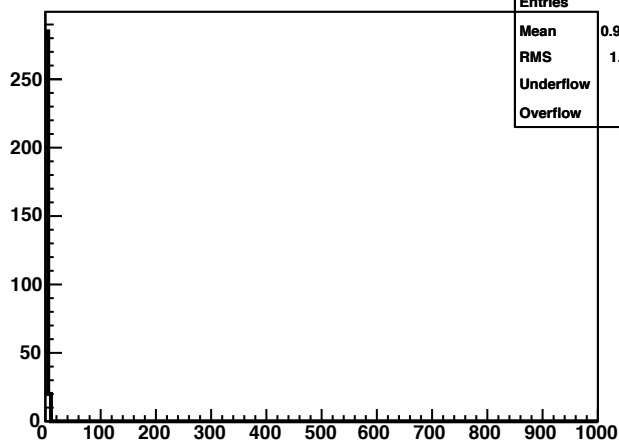
StE EmcCat2 Delta Phi



StEEmcCat2_Delta_Phi

Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0

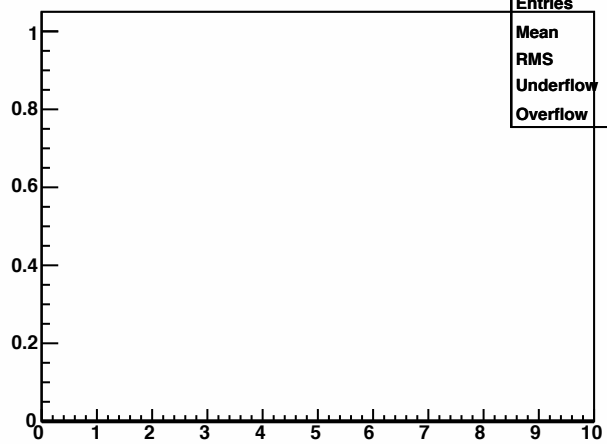
StE EmcCat2 Points Multiplicity



StEEmcCat2_Points_Multiplicity

Entries	305
Mean	0.9148
RMS	1.691
Underflow	0
Overflow	0

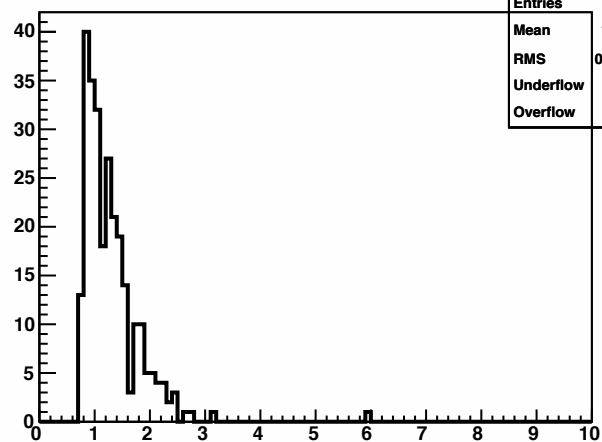
StE EmcCat2 Track Momenta



StEEmcCat2_Track_Momenta

Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0

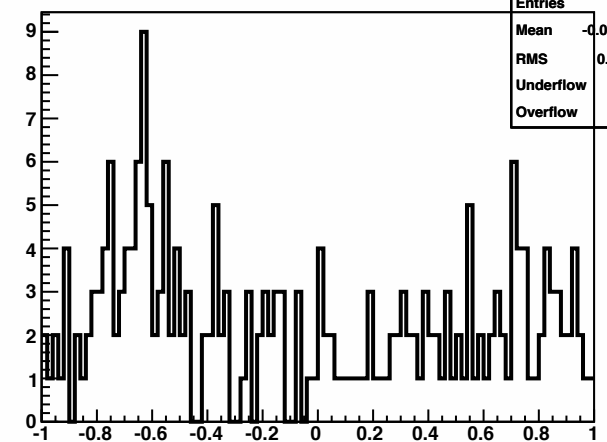
StE EmcCat3 Point Energy



StEEmcCat3_Point_Energy

Entries	269
Mean	1.292
RMS	0.5171
Underflow	0
Overflow	0

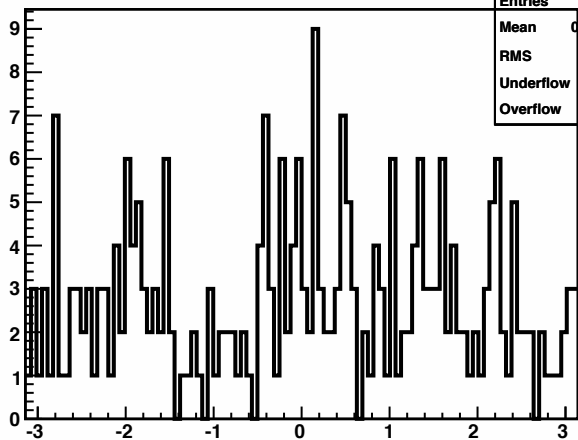
StE EmcCat3 Point Eta



StEEmcCat3_Point_Eta

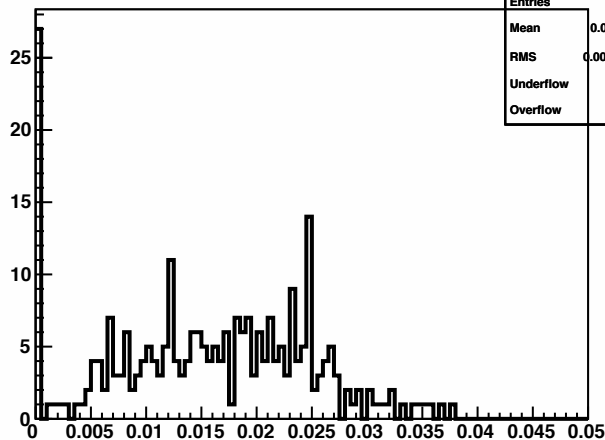
Entries	269
Mean	-0.05278
RMS	0.6061
Underflow	20
Overflow	23

StE EmcCat3 Point Phi



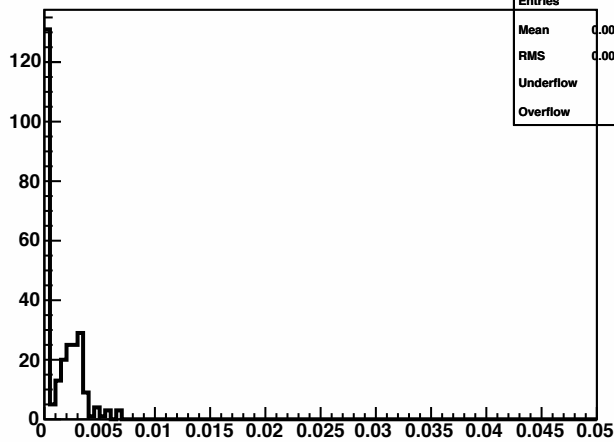
StEEmcCat3_Point_Phi	
Entries	269
Mean	0.01606
RMS	1.725
Underflow	0
Overflow	0

StE EmcCat3 Sigma Eta



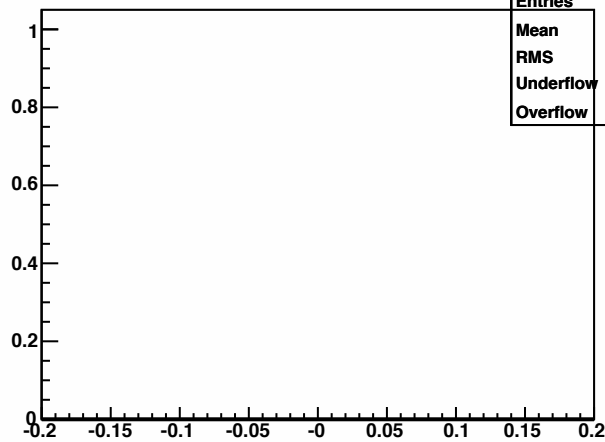
StEEmcCat3_Sigma_Eta	
Entries	269
Mean	0.01578
RMS	0.009007
Underflow	0
Overflow	0

StE EmcCat3 Sigma Phi



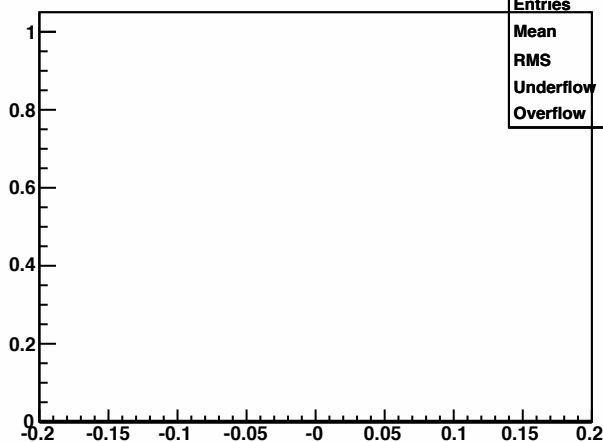
StEEmcCat3_Sigma_Phi	
Entries	269
Mean	0.001398
RMS	0.001598
Underflow	0
Overflow	0

StE EmcCat3 Delta Eta



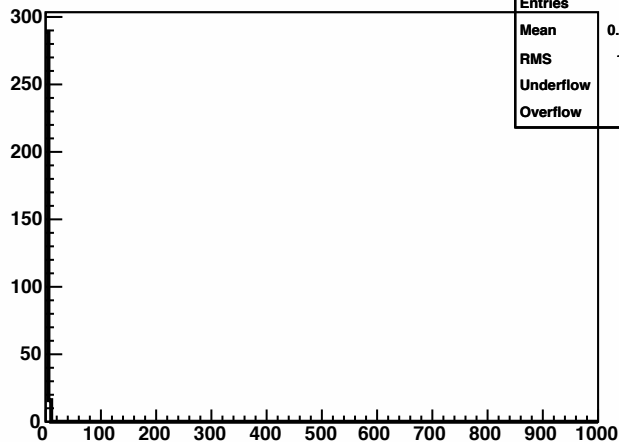
StEEmcCat3_Delta_Eta	
Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0

StE EmcCat3 Delta Phi



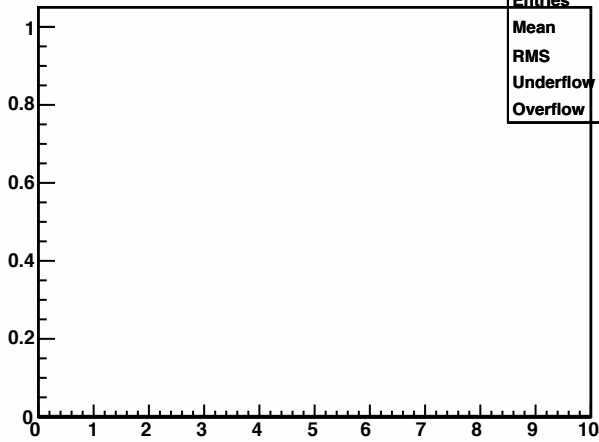
StEEmcCat3_Delta_Phi	
Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0

StE EmcCat3 Points Multiplicity

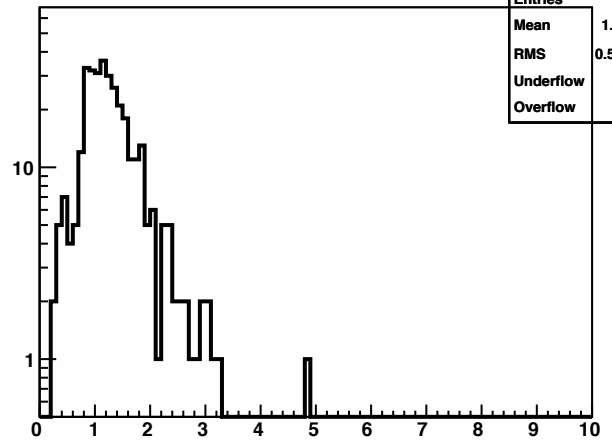


StEEmcCat3_Points_Multiplicity	
Entries	305
Mean	0.882
RMS	1.57
Underflow	0
Overflow	0

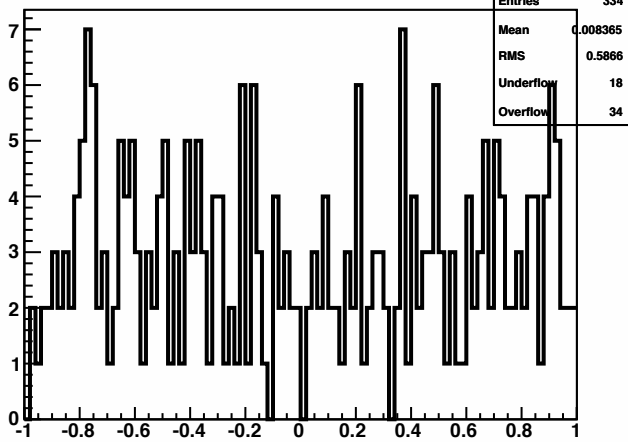
StE EmcCat3 Track Momenta



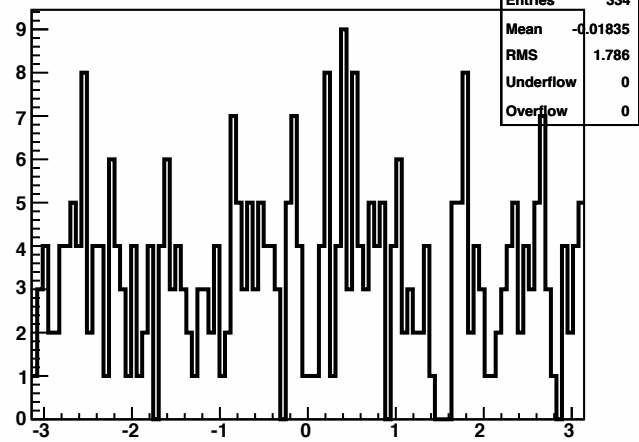
StE EmcCat4 Point Energy



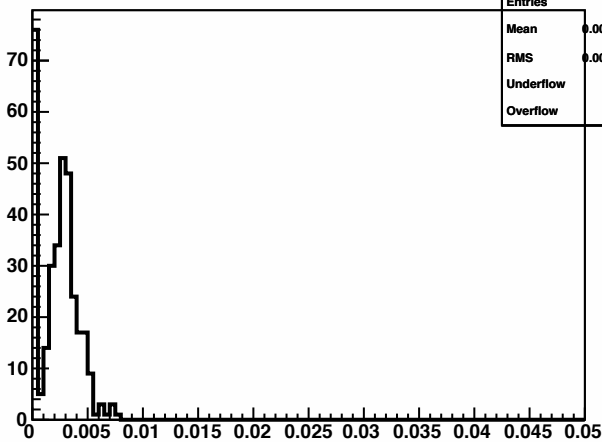
StE EmcCat4 Point Eta



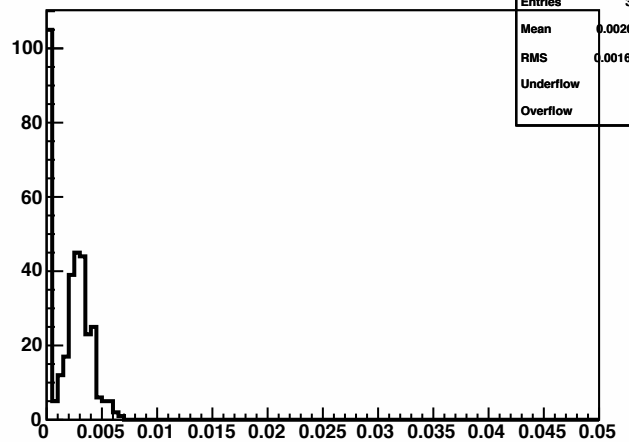
StE EmcCat4 Point Phi



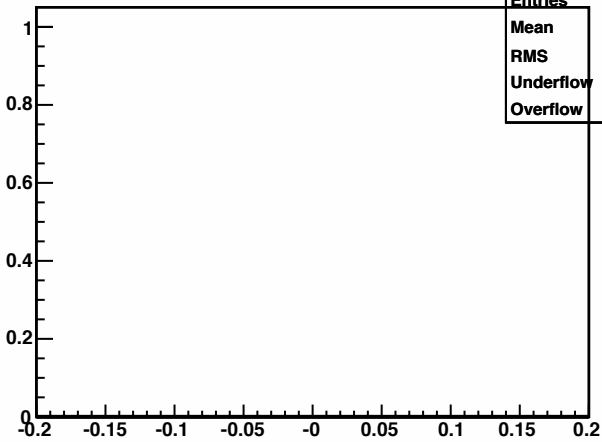
StE EmcCat4 Sigma Eta



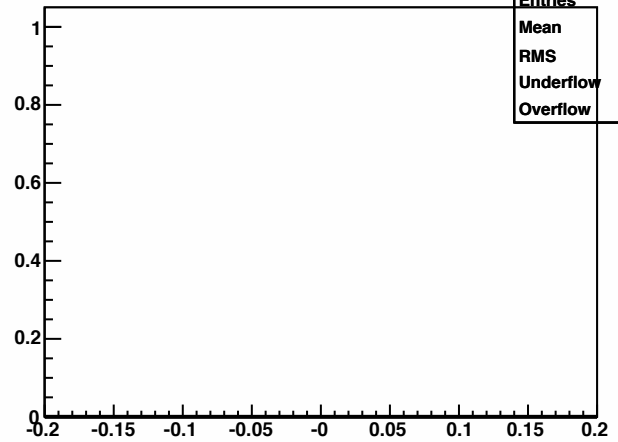
StE EmcCat4 Sigma Phi



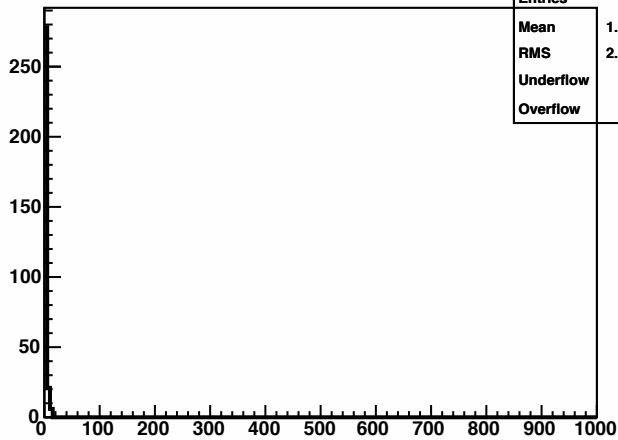
StE EmcCat4 Delta Eta



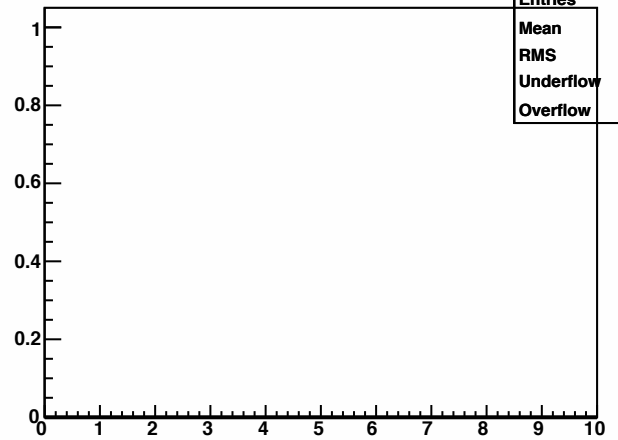
StE EmcCat4 Delta Phi



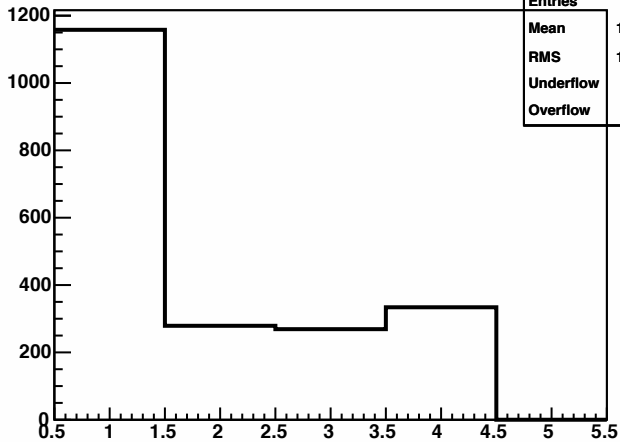
StE EmcCat4 Points Multiplicity



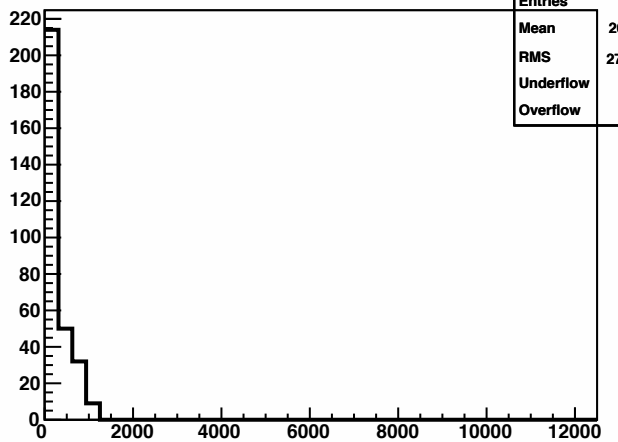
StE EmcCat4 Track Momenta



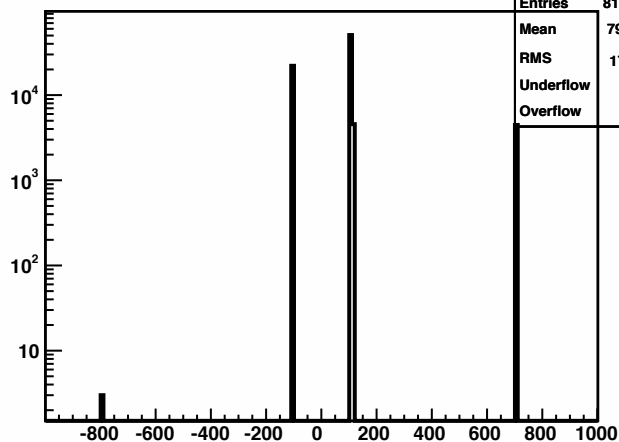
StE Point Flag



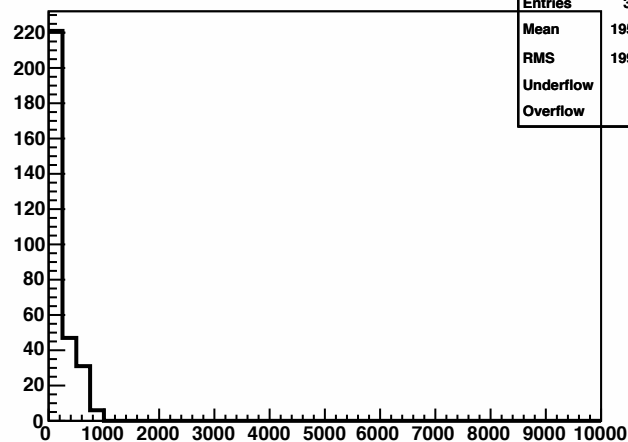
StE globtrk: tot num tracks - all



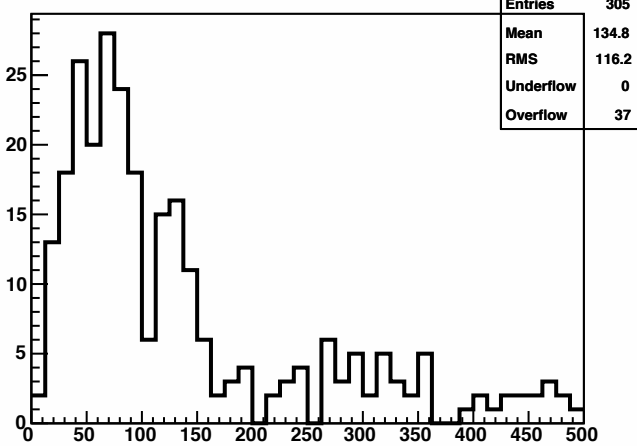
StE globtrk: iflag - all



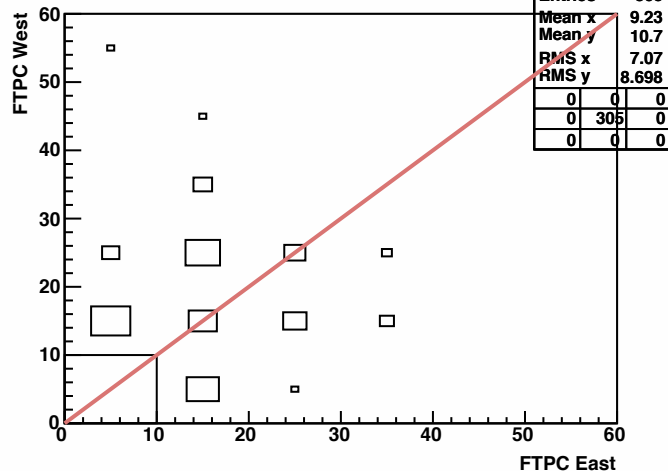
StE globtrk: tot good tracks - all



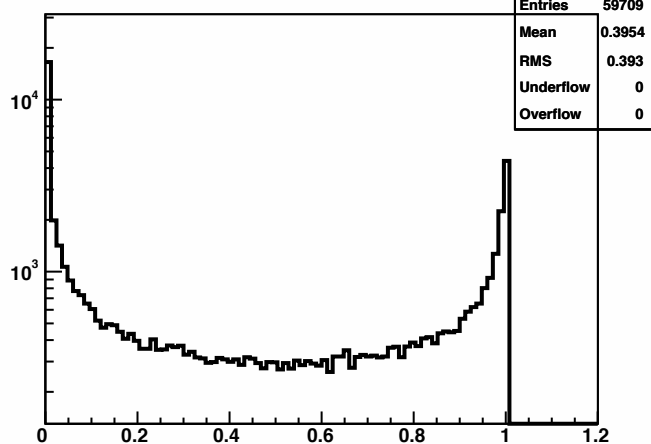
StE globtrk: tot good tracks - all



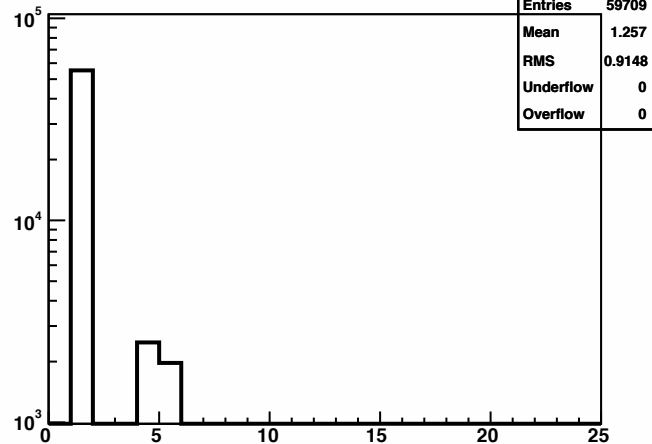
StE globtrk: tot good tracks - ftpc



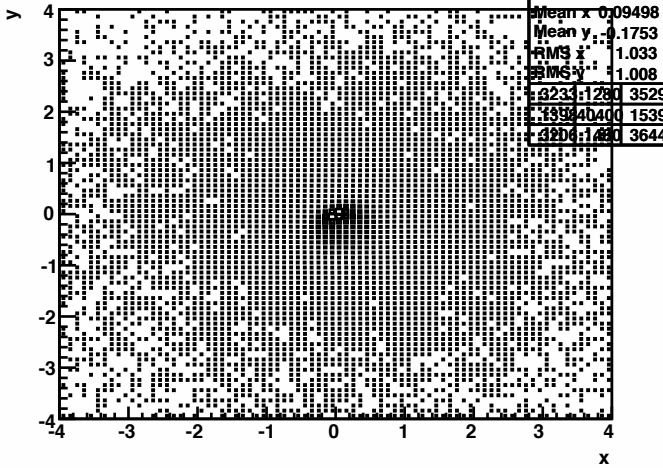
StE globtrk: prob. fit is correct



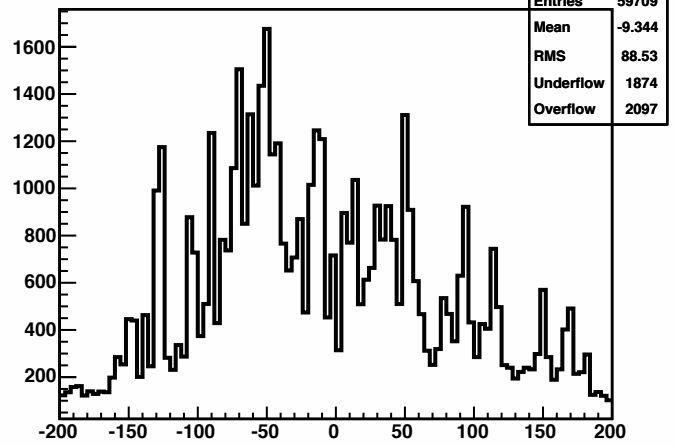
StE globtrk: Detector ID good tracks - all



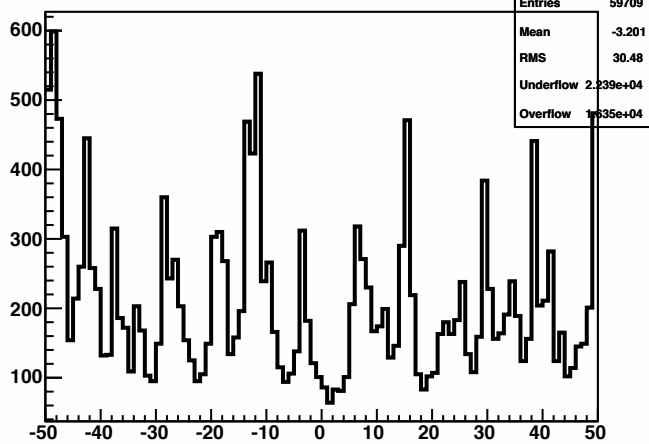
StE globtrk: xy-DCA to Beam Axis (z=0)



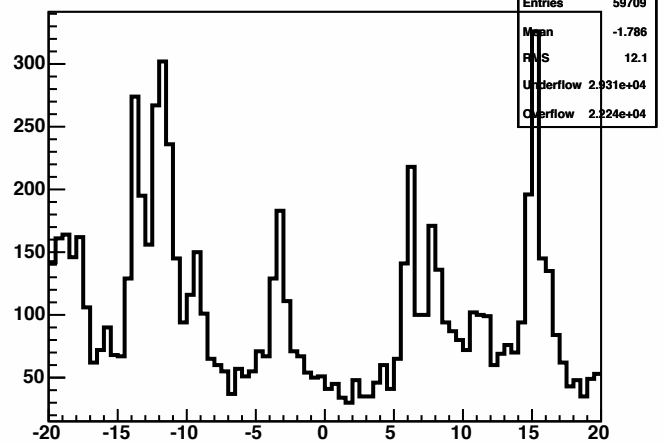
StE globtrk: z-DCA to Beam Axis, coarse scale



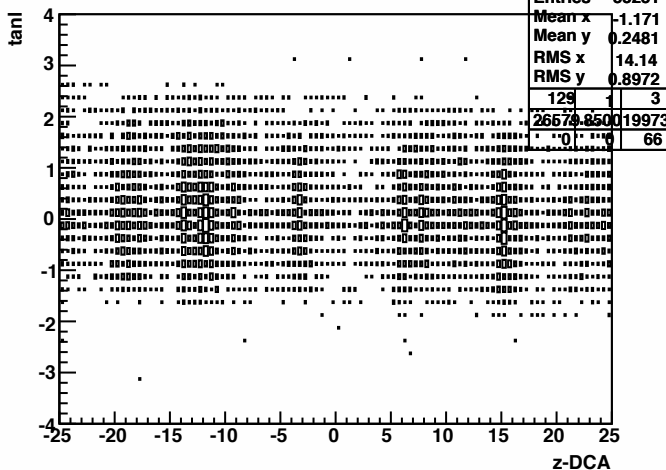
StE globtrk: z-DCA to Beam Axis



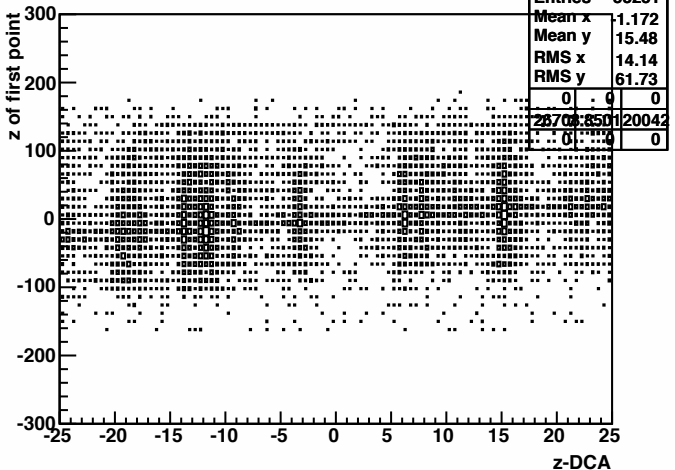
StE globtrk: z-DCA to Beam Axis, near z=0



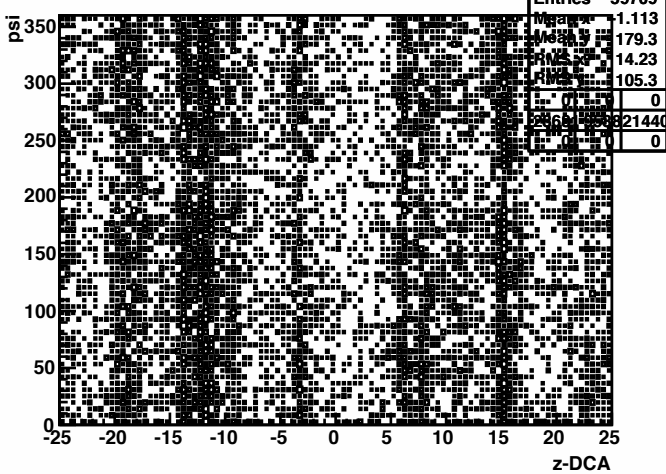
StE globtrk: z-DCA to Beam Axis vs tan1, tpc



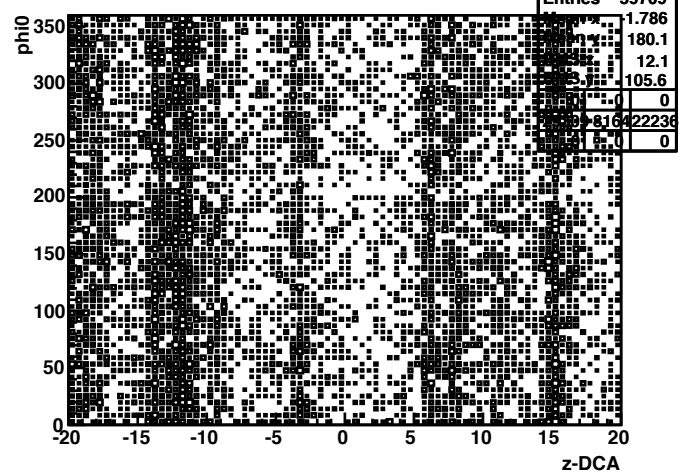
StE globtrk: z-DCA to Beam Axis vs z-first



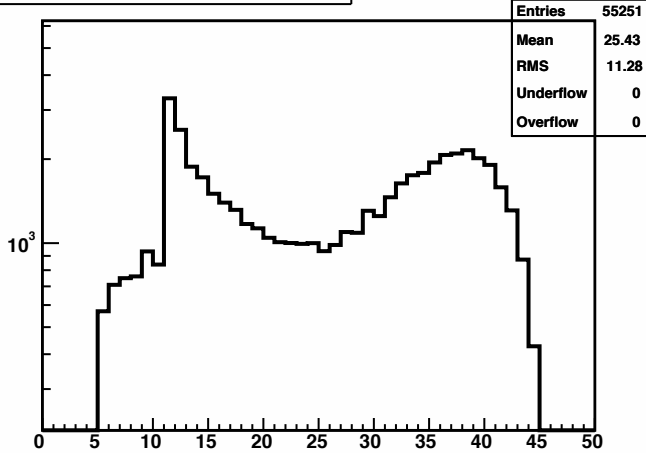
StE globtrk: z-DCA to Beam Axis vs psi



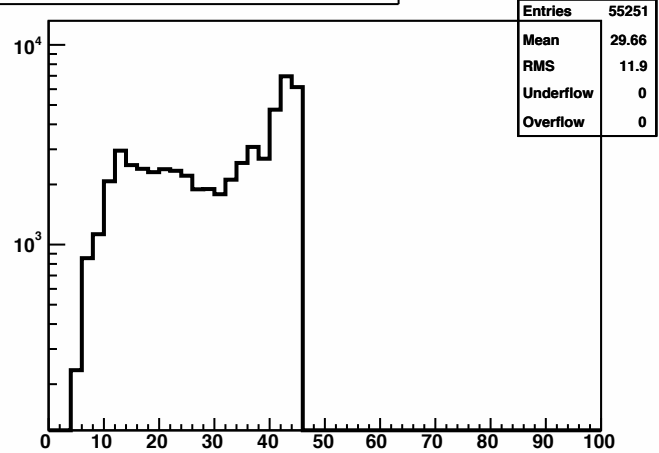
StE globtrk: z-DCA to Beam Axis vs azimuth (phi0) at start



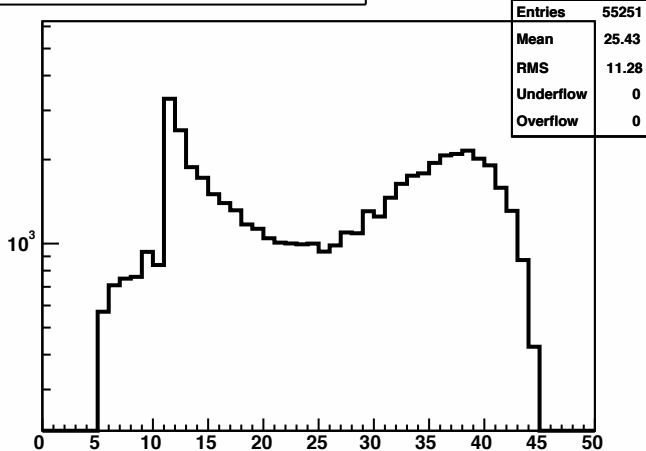
StE globtrk: N points on trk,tpc



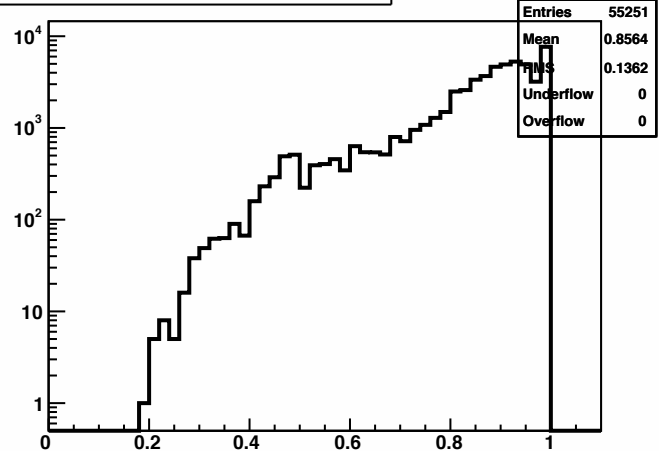
StE globtrk: N max pnts on trk, tpc



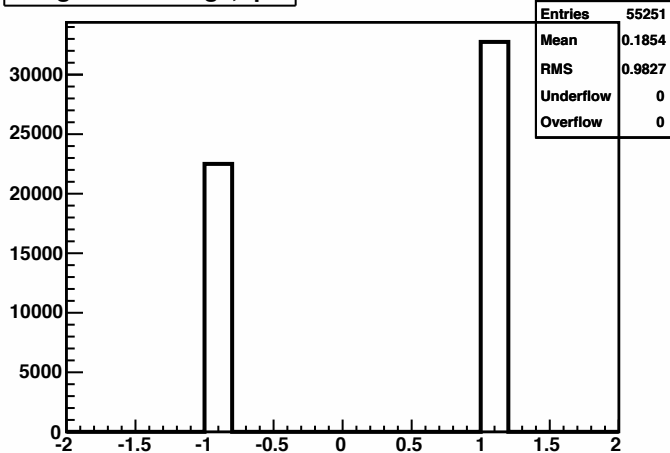
StE globtrk: N fit pnts on trk, tpc



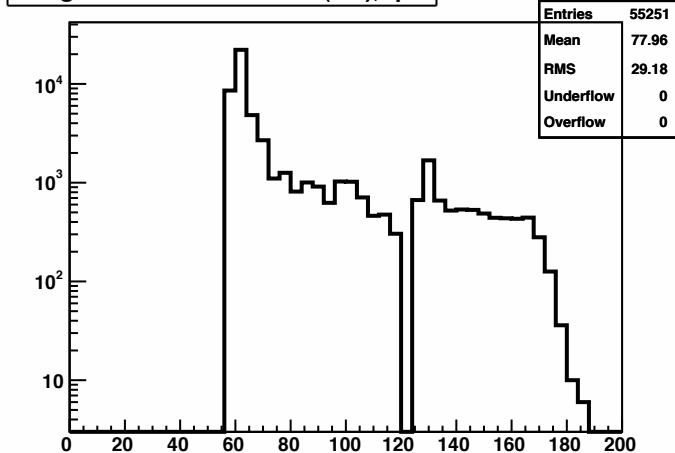
StE globtrk: ratio Nfit/max pnt, tpc



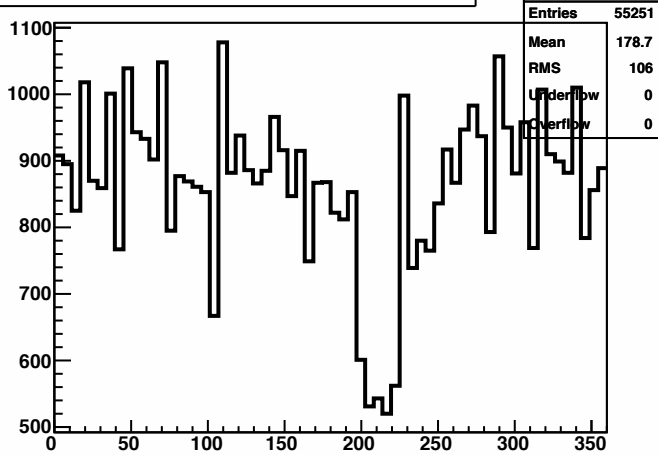
StE globtrk: charge, tpc



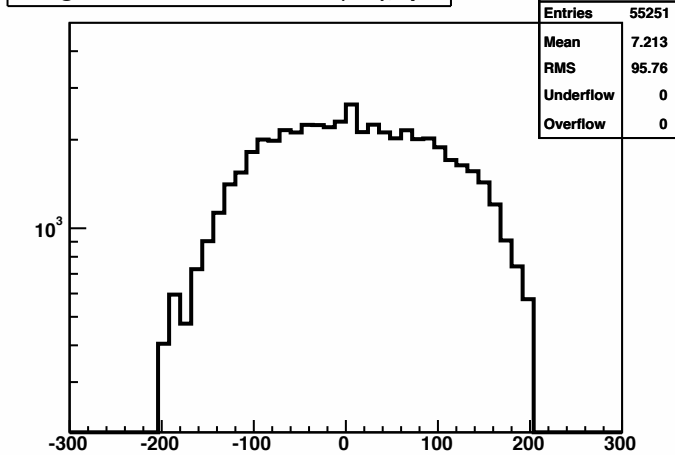
StE globtrk: radius at start (cm), tpc



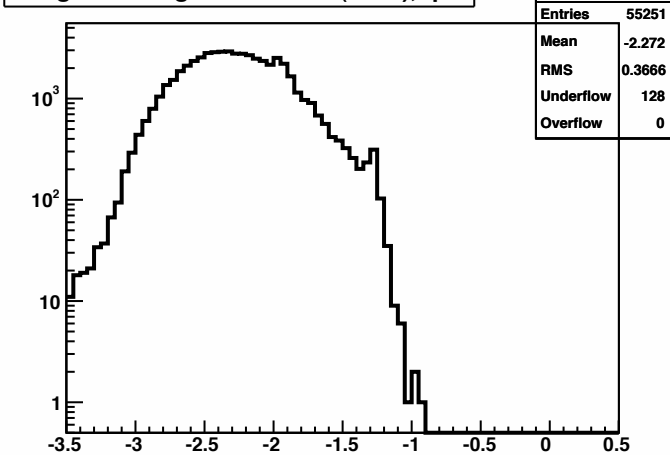
StE globtrk: azimuth (phi) at start (deg,force 0,360), tpc



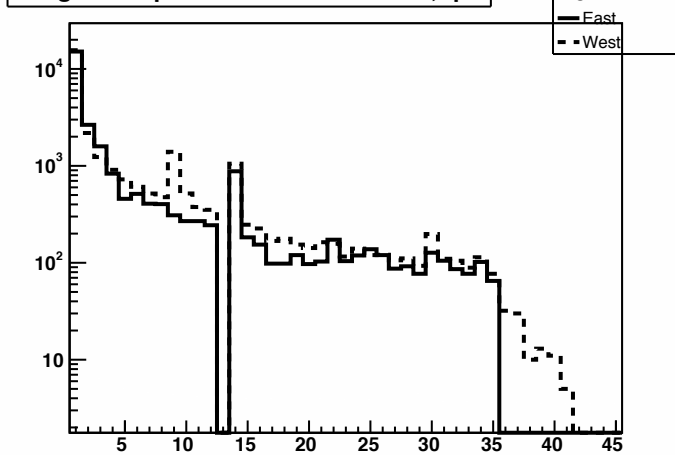
StE globtrk: z-coord at start (cm), tpc



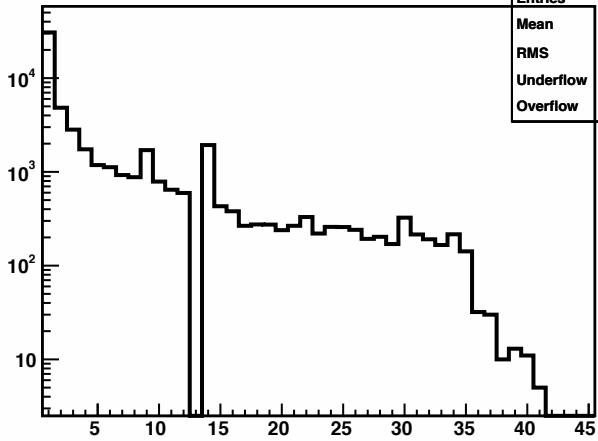
StE globtrk: log10 curvature (1/cm), tpc



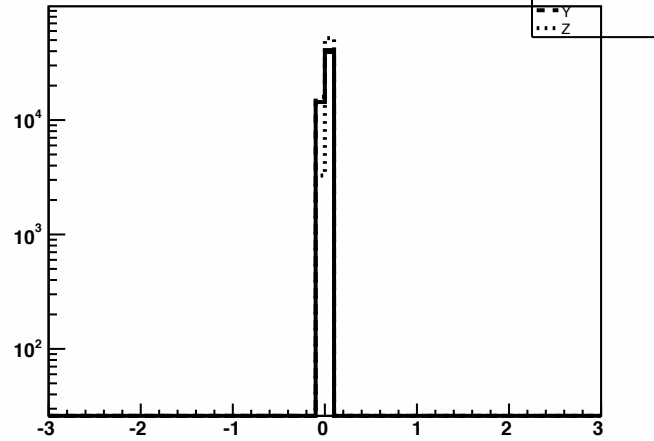
StE globtrk: padrow of first hit on trk, tpc



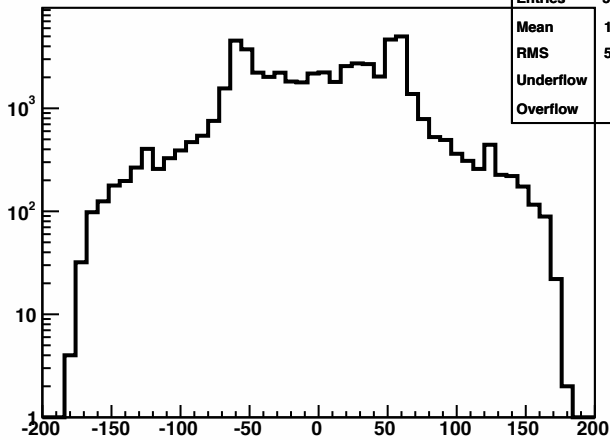
StE globtrk: padrow of first hit on trk, tpc



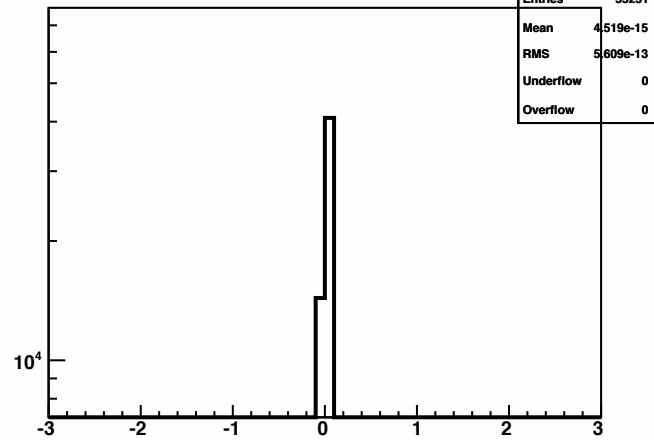
StE globtrk: first point: hit-helix, tpc



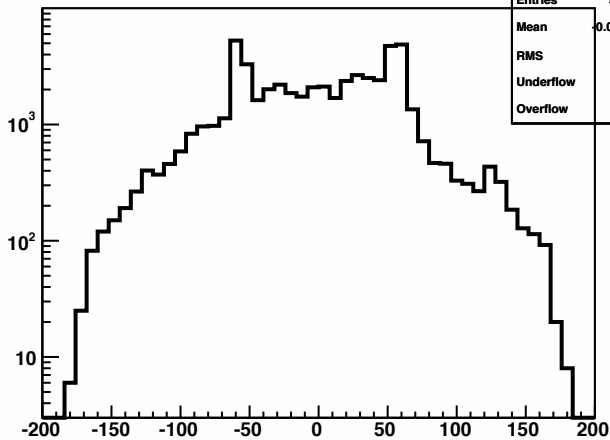
StE globtrk: x of first hit on trk, tpc



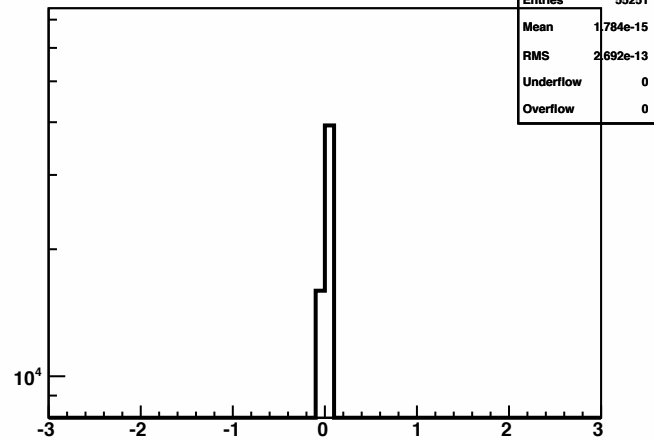
StE globtrk: first point: x_hit - x_helix, tpc



StE globtrk: y of first hit on trk, tpc

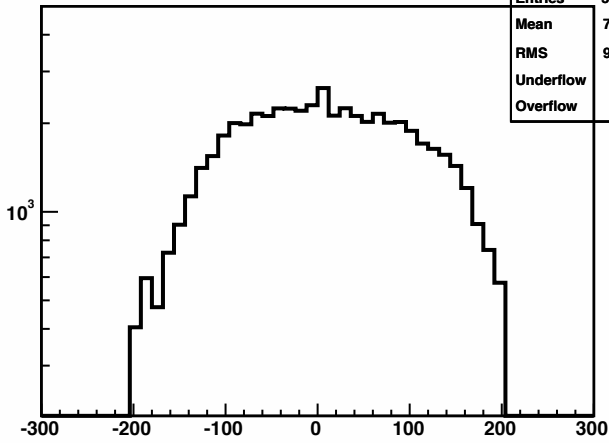


StE globtrk: first point: y_hit - y_helix, tpc



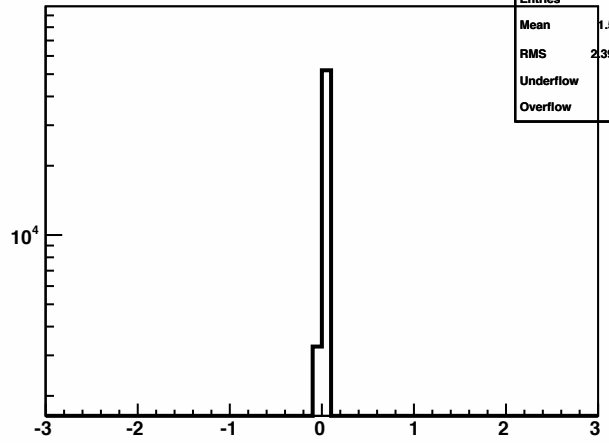
StE globtrk: z of first hit on trk, tpc

StEQaGtrkZfT	
Entries	55251
Mean	7.213
RMS	95.76
Underflow	0
Overflow	0



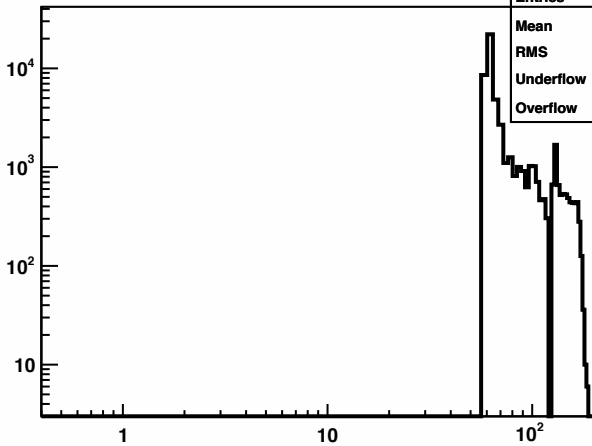
StE globtrk: first point: z_hit - z_helix, tpc

StEQaGtrkZf0	
Entries	55251
Mean	1.51e-15
RMS	2.391e-13
Underflow	0
Overflow	0



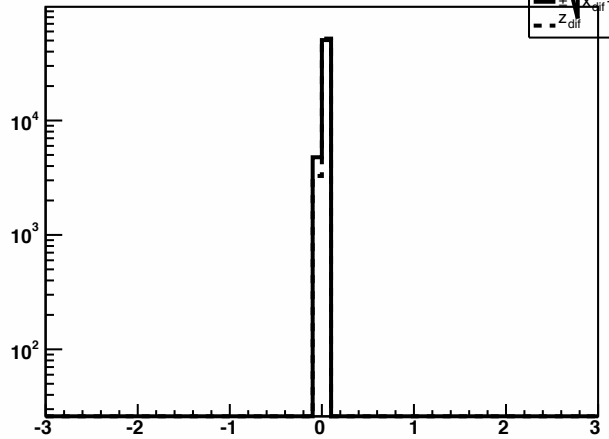
StE globtrk: radial position of first hit, tpc

StEQaGtrkRT	
Entries	55251
Mean	77.96
RMS	29.18
Underflow	0
Overflow	0



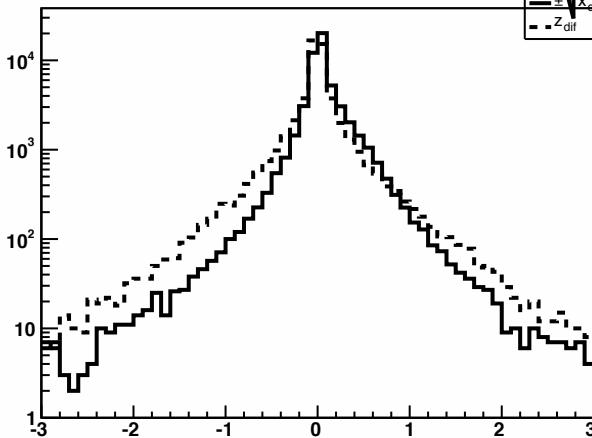
StE globtrk: first point: hit - helix, tpc

Legend	
—	$\pm \sqrt{x_{\text{hit}}^2 + y_{\text{hit}}^2} - \text{dif}$
—	$\pm \sqrt{x_{\text{hit}}^2 + y_{\text{hit}}^2} + \text{dif}$
■	Z dif



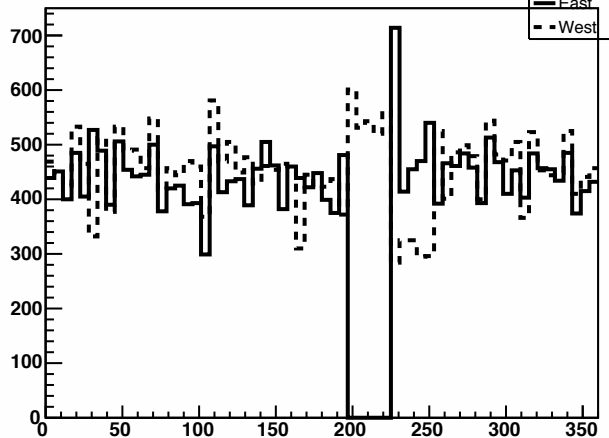
StE globtrk: last point: hit - helix, tpc

Legend	
—	$\pm \sqrt{x_{\text{hit}}^2 + y_{\text{hit}}^2} - \text{dif}$
—	$\pm \sqrt{x_{\text{hit}}^2 + y_{\text{hit}}^2} + \text{dif}$
■	Z dif

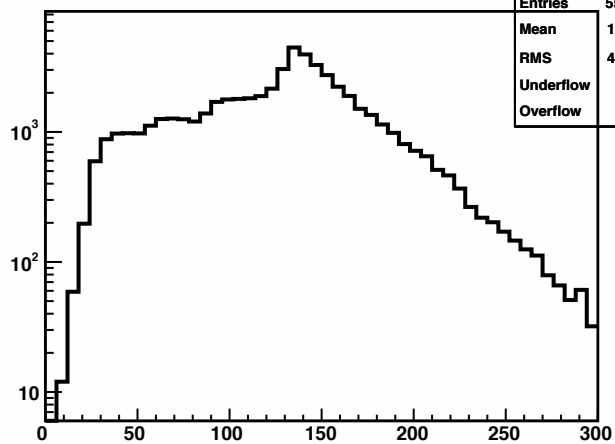


StE globtrk: phi of first point on trk, tpc

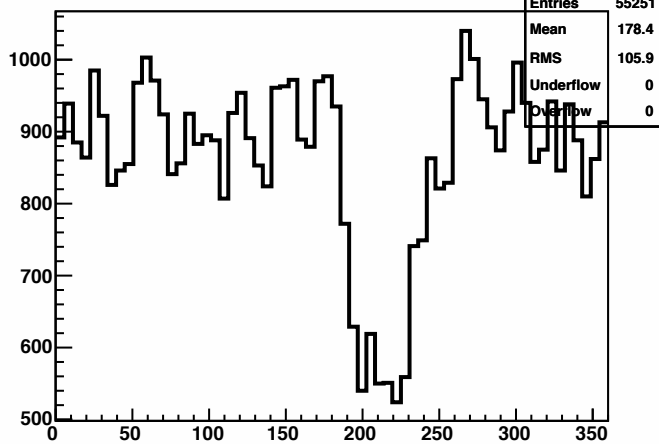
Legend	
—	Fast
—	West



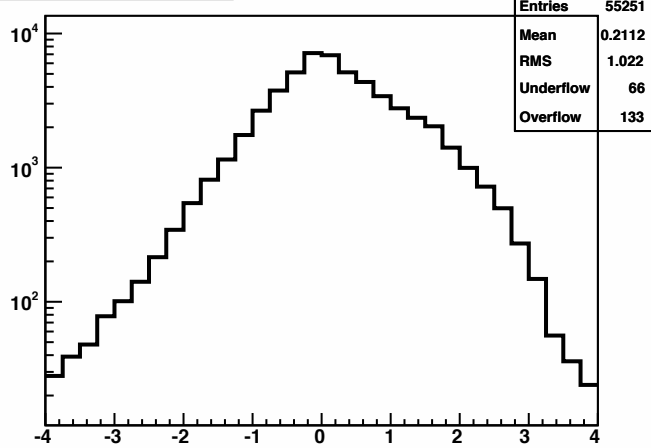
StE globtrk: track length, tpc



StE globtrk: psi, tpc (deg)



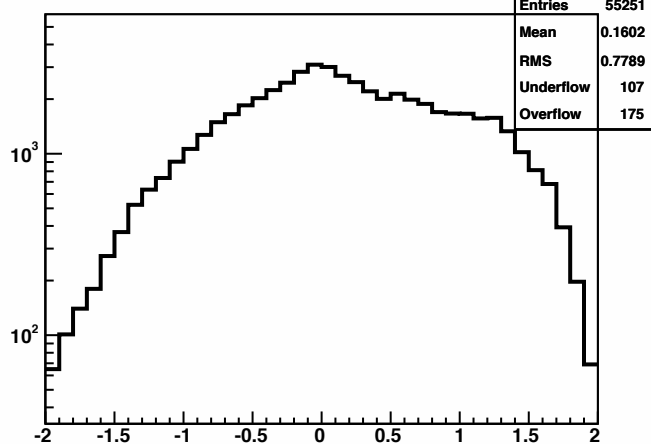
StE globtrk: tanI, tpc



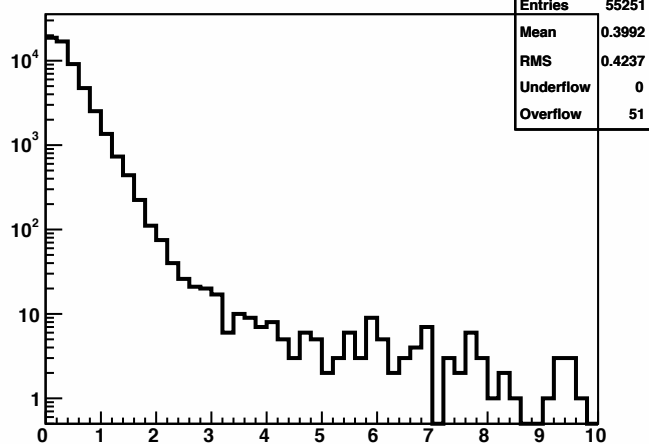
StE globtrk: theta (degrees), tpc



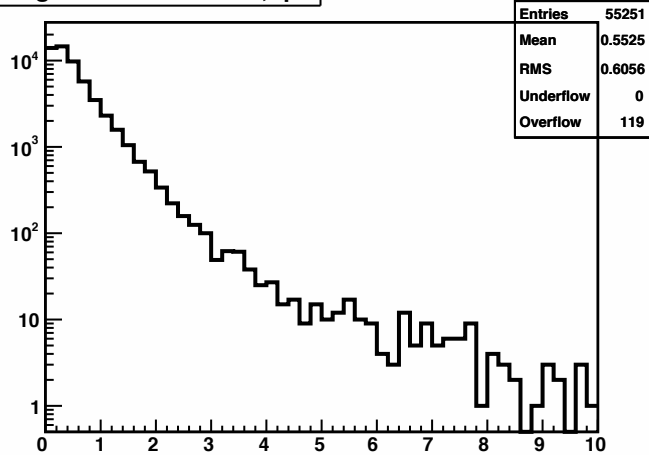
StE globtrk: eta, tpc



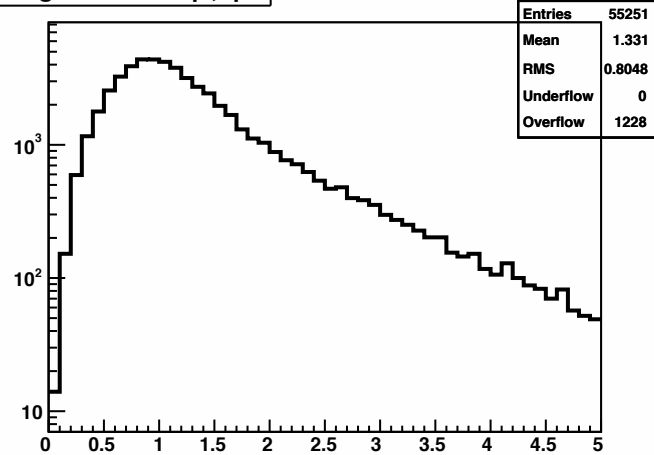
StE globtrk: pT, tpc



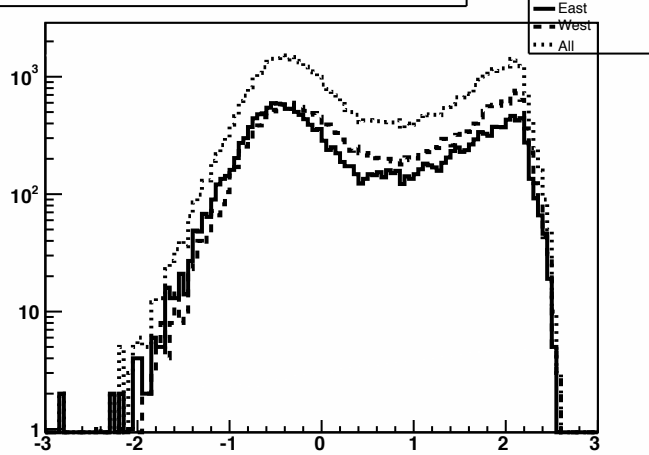
StE globtrk: momentum, tpc



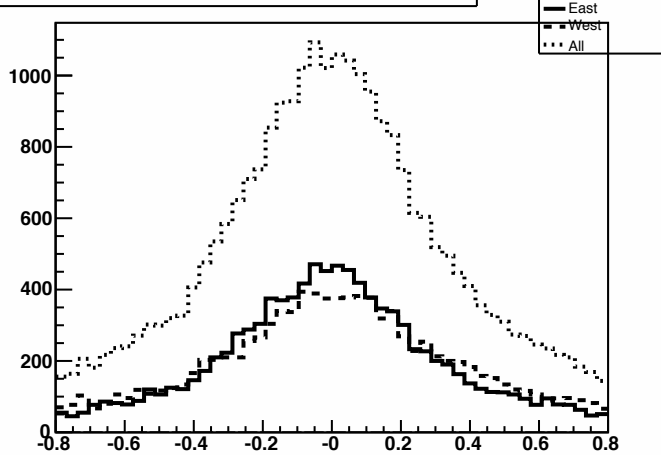
StE globtrk: chisq0, tpc



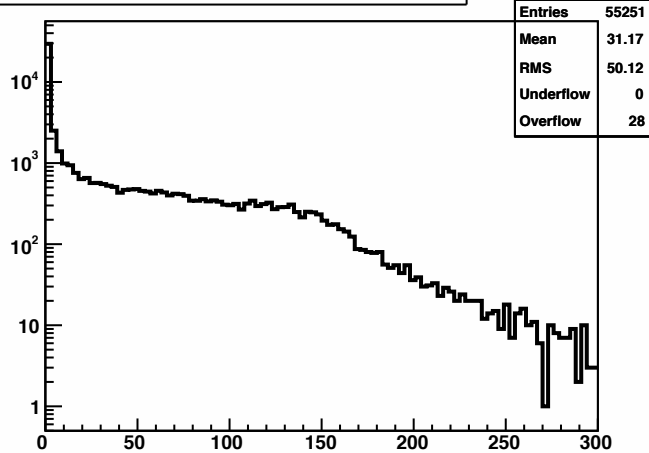
StE globtrk: log10 impact param from prim vtx, tpc



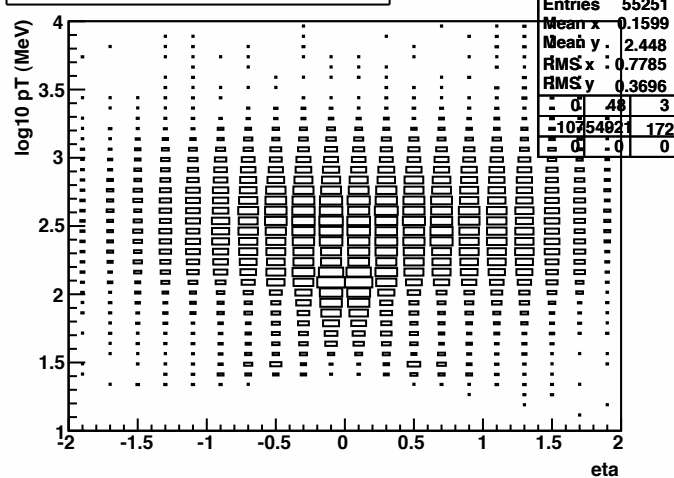
StE globtrk: signed impact param from prim vtx, tpc



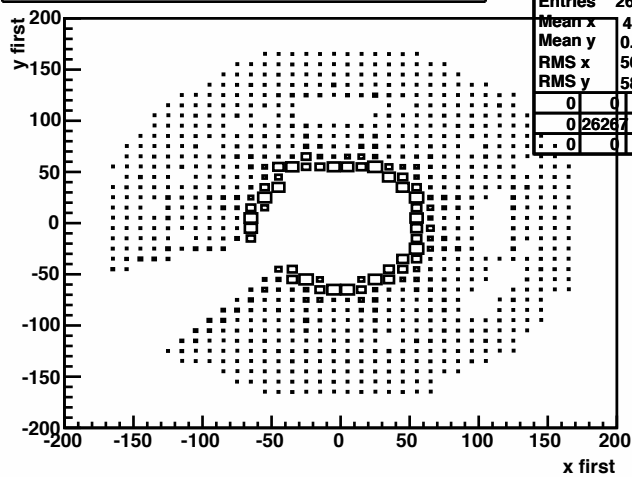
StE globtrk: impact param from prim vtx, tpc



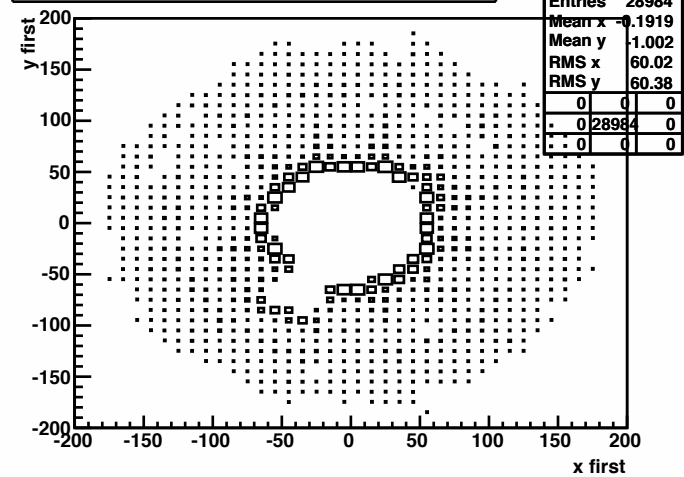
StE globtrk: log10 pT vs eta, tpc



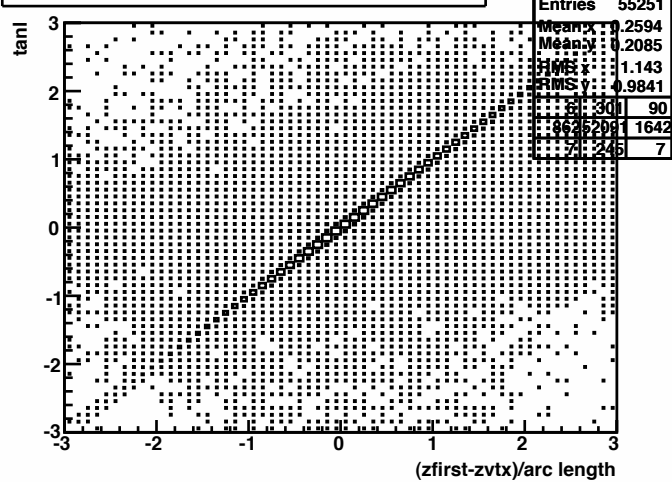
StE globtrk: Y vs X of first hit on trk, tpc east



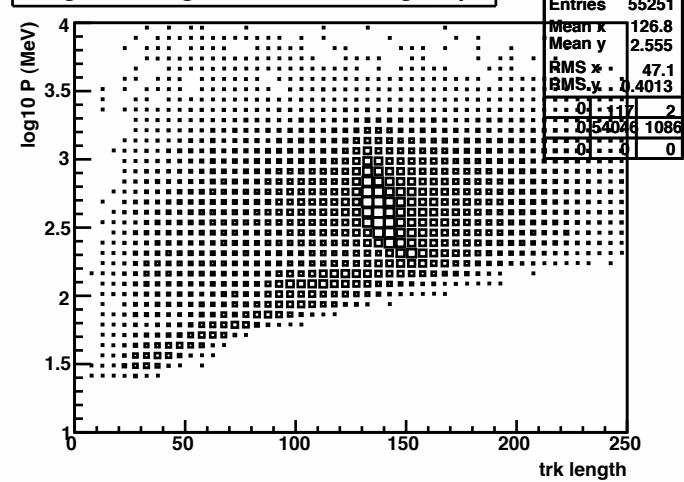
StE globtrk: Y vs X of first hit on trk, tpc west



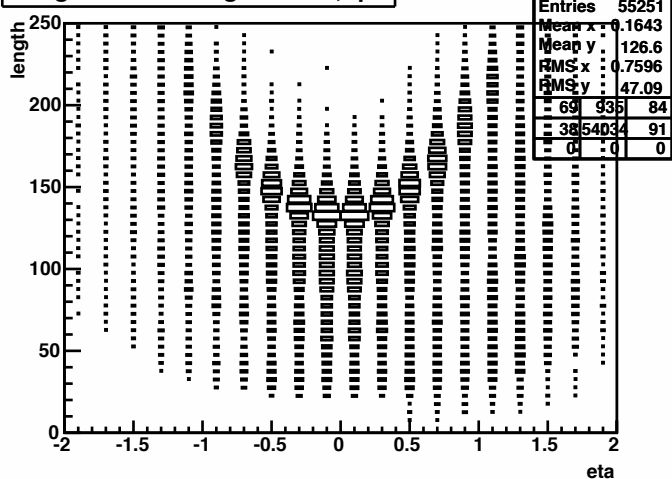
StE globtrk: tan(dip) vs. (zf1st-zvtx)/arc length, tpc,tpc+svt



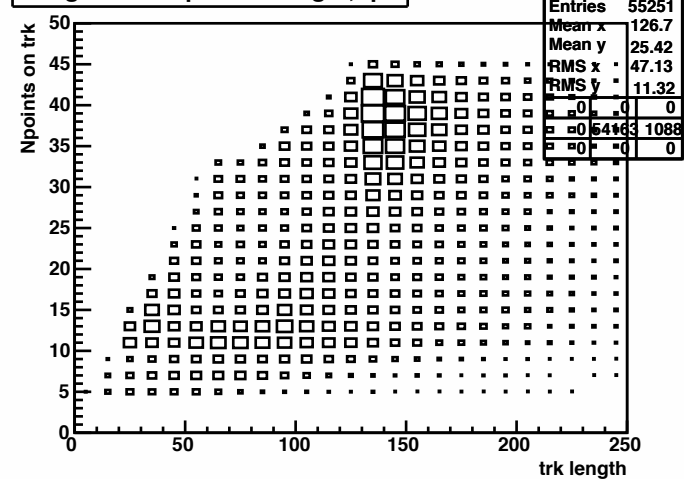
StE globtrk: log10 mom vs trk length, tpc



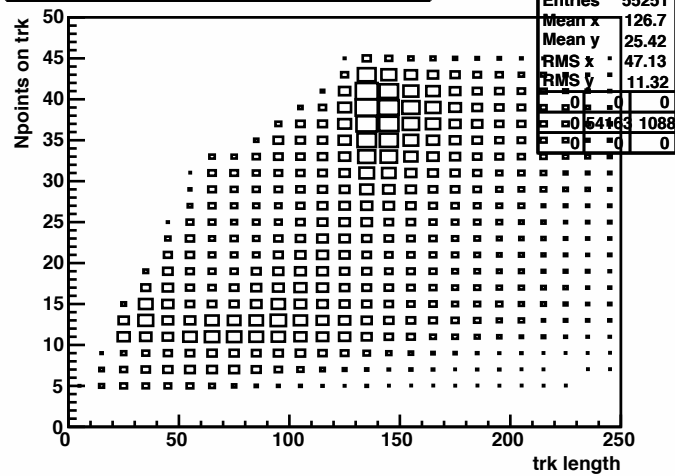
StE globtrk: trk length vs eta, tpc



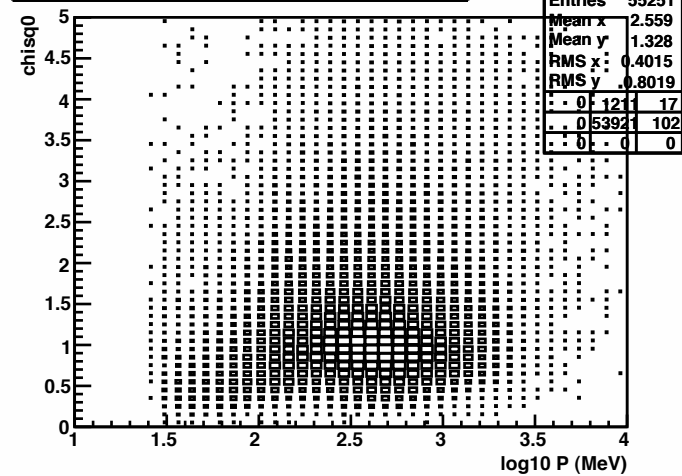
StE globtrk: N pnts vs length, tpc



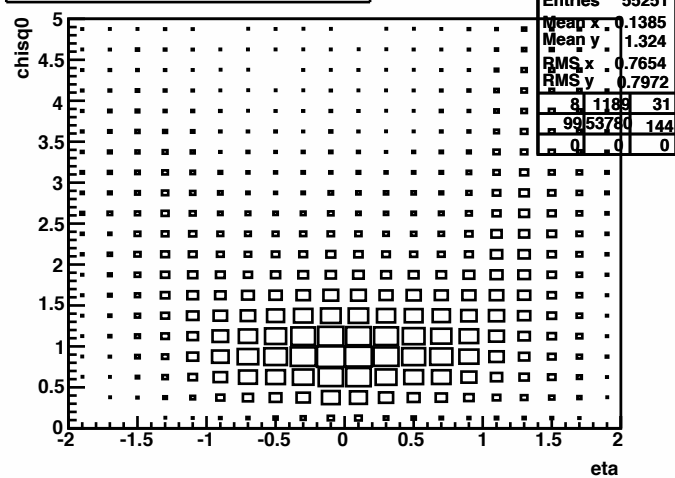
StE globtrk: N fit pnts vs length, tpc



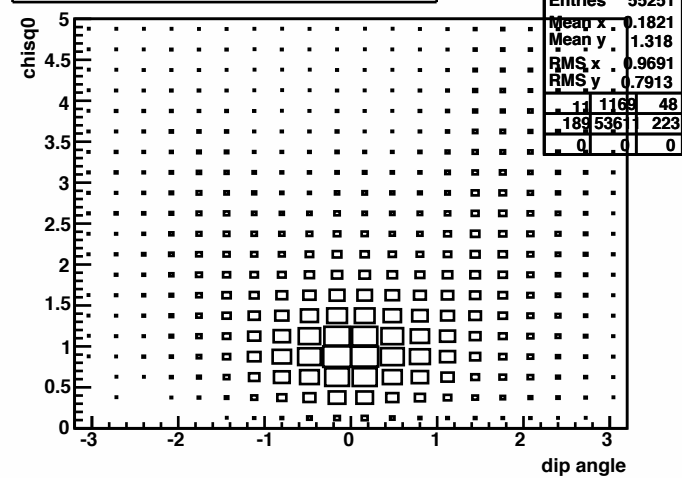
StE globtrk: Chisq0 vs log10 mom, tpc



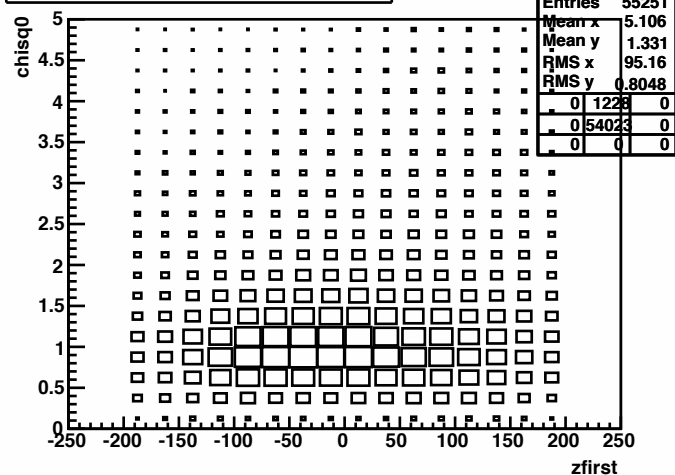
StE globtrk: Chisq0 vs eta, tpc



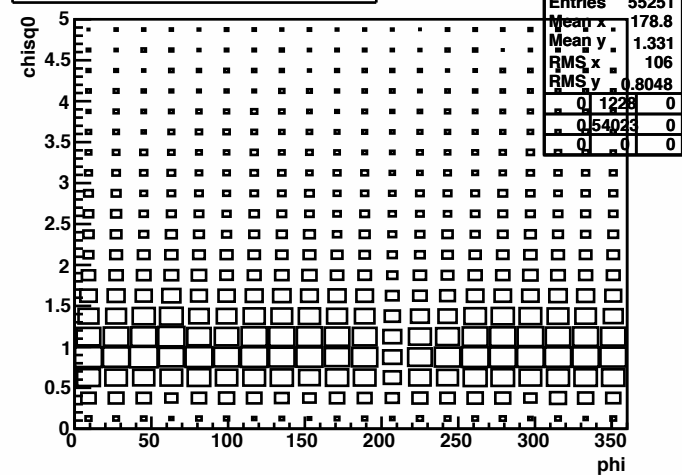
StE globtrk: Chisq0 vs tan(dip), tpc



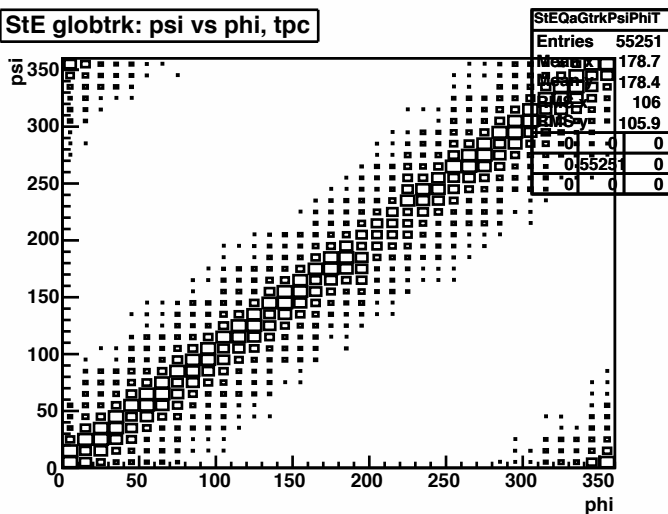
StE globtrk: Chisq0 vs zfirst, tpc



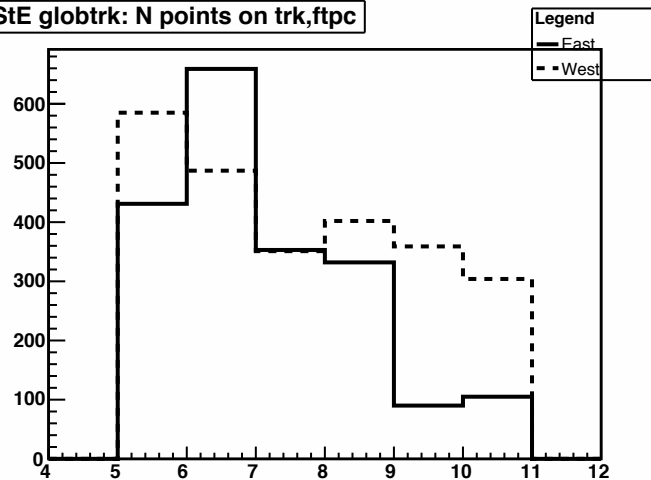
StE globtrk: Chisq0 vs phi, tpc



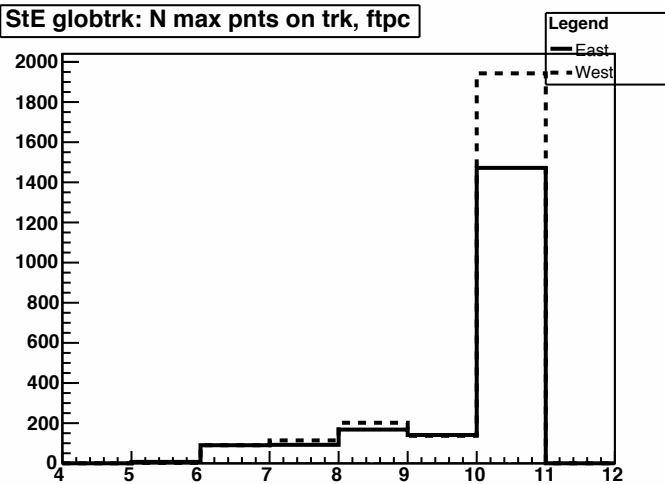
StE globtrk: psi vs phi, tpc



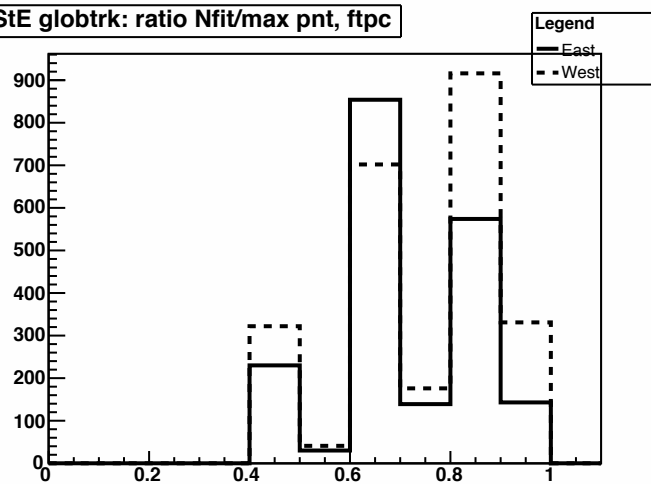
StE globtrk: N points on trk, ftpc



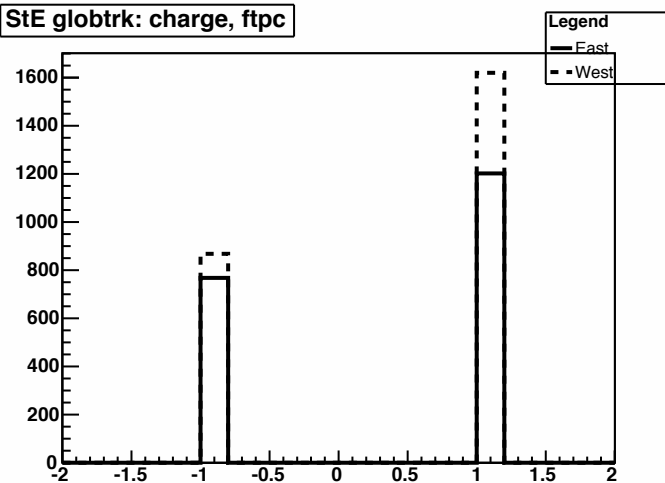
StE globtrk: N max pnts on trk, ftpc



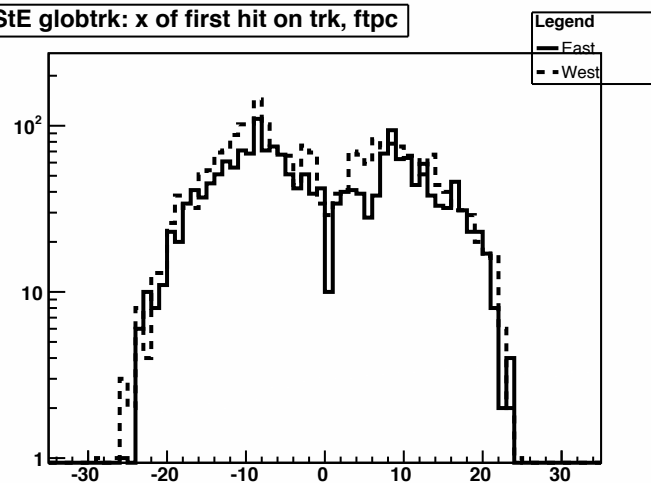
StE globtrk: ratio Nfit/max pnt, ftpc



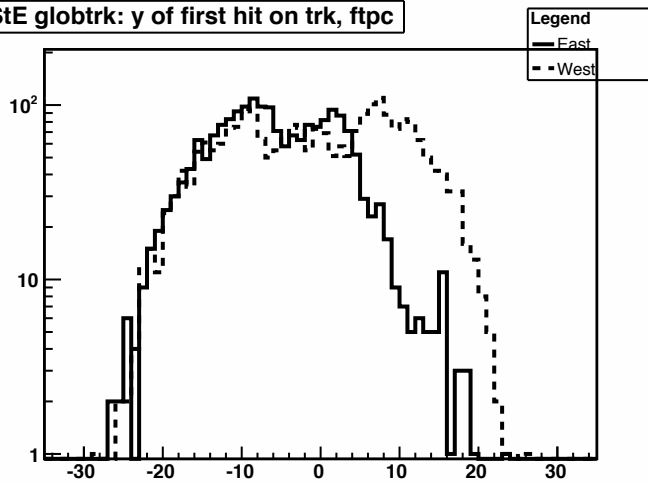
StE globtrk: charge, ftpc



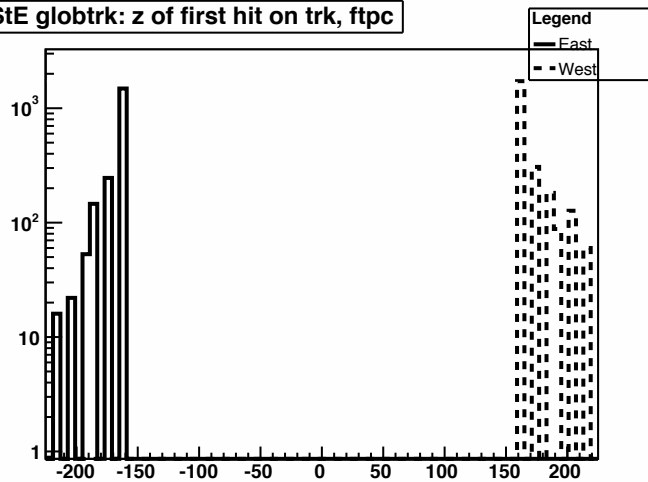
StE globtrk: x of first hit on trk, ftpc



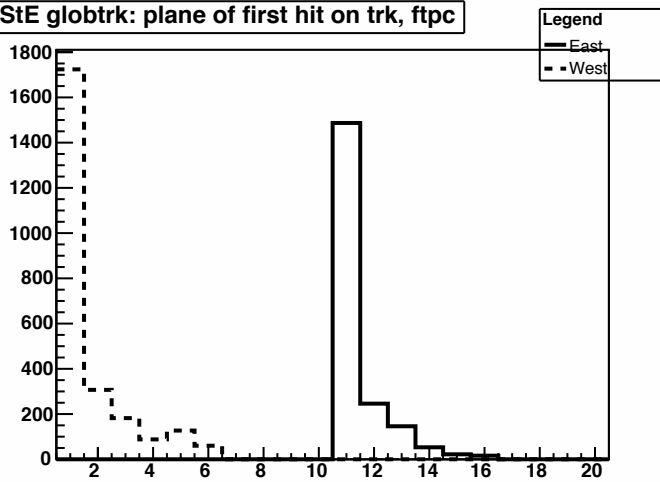
StE globtrk: y of first hit on trk, ftpc



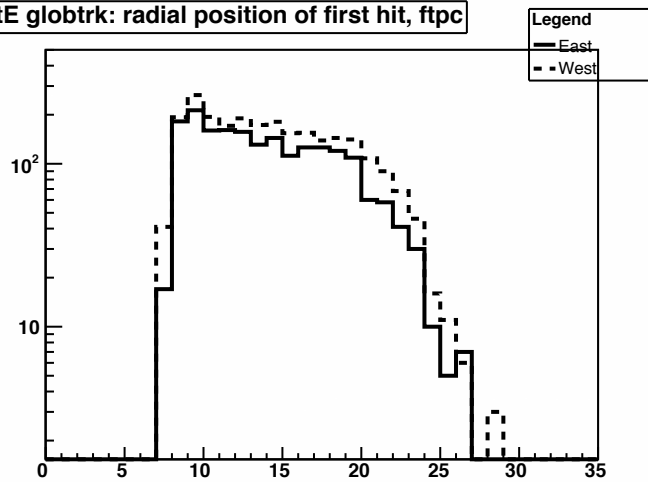
StE globtrk: z of first hit on trk, ftpc



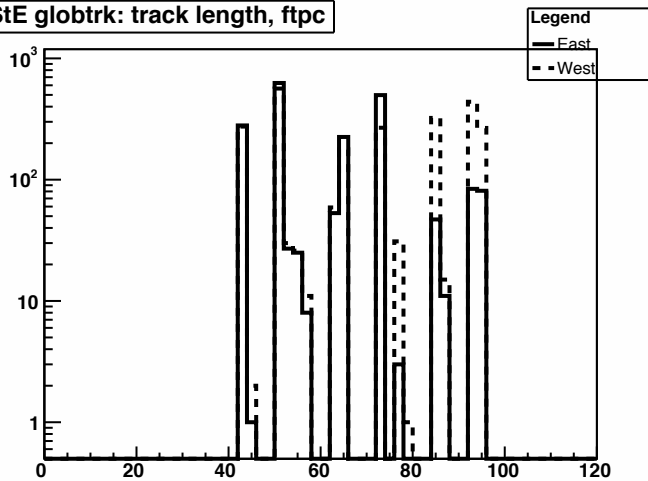
StE globtrk: plane of first hit on trk, ftpc



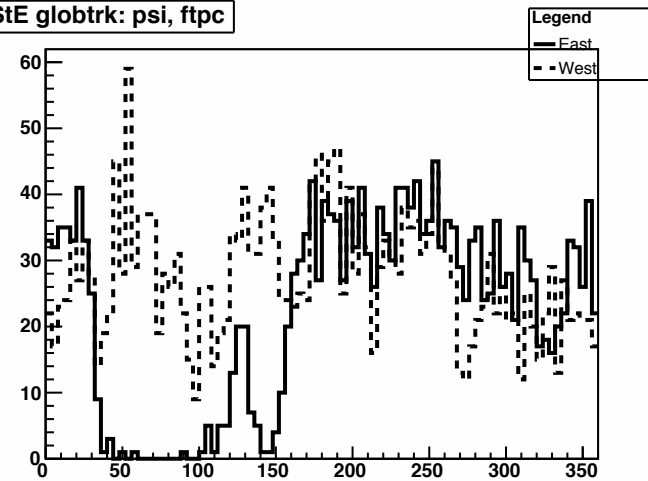
StE globtrk: radial position of first hit, ftpc



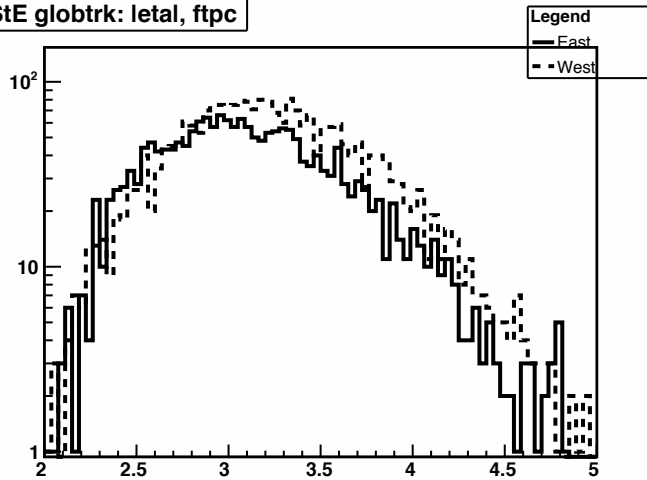
StE globtrk: track length, ftpc



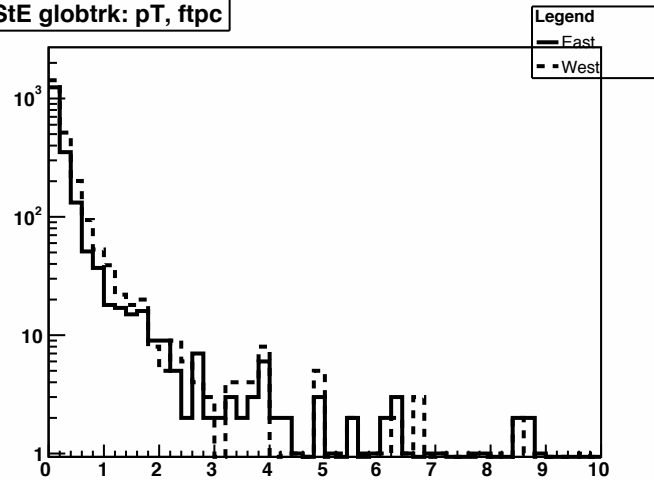
StE globtrk: psi, ftpc



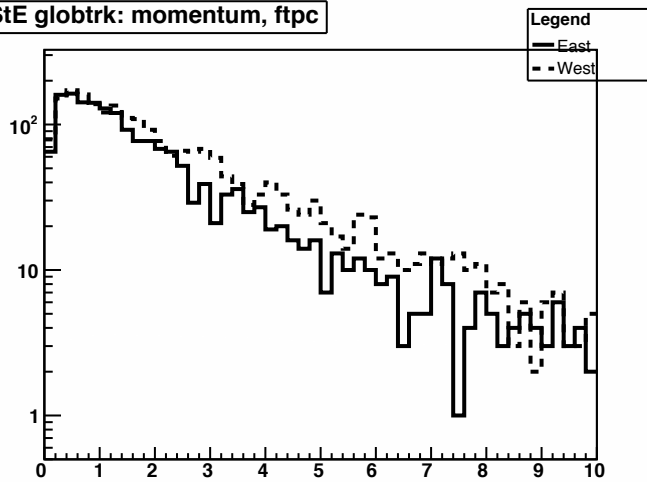
StE globtrk: letal, ftpc



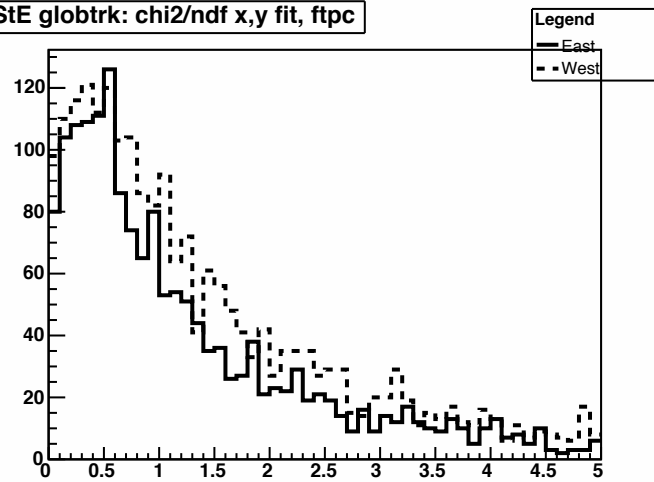
StE globtrk: pT, ftpc



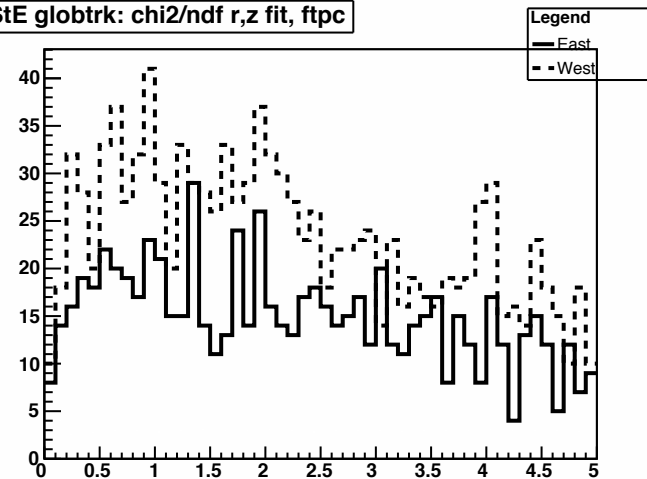
StE globtrk: momentum, ftpc



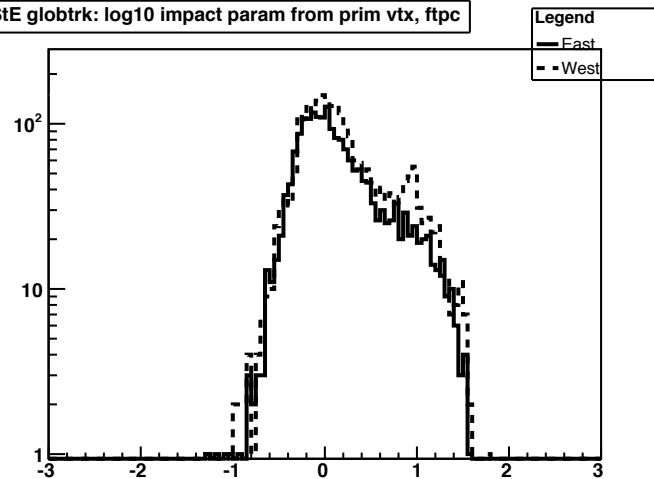
StE globtrk: chi2/ndf x,y fit, ftpc



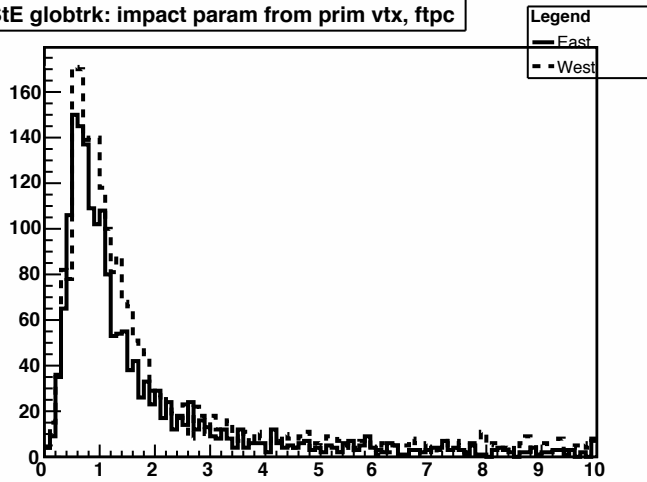
StE globtrk: chi2/ndf r,z fit, ftpc



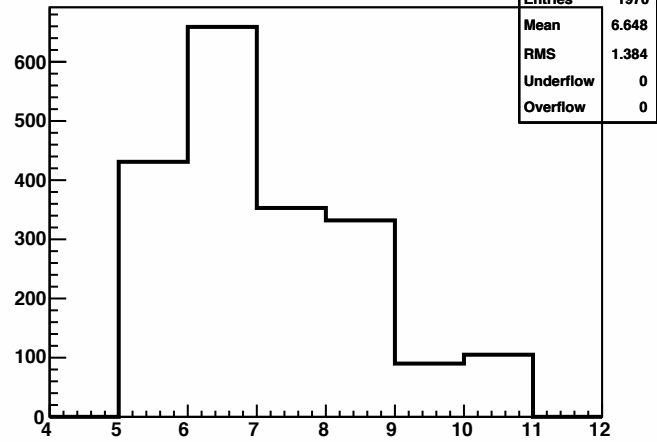
StE globtrk: log10 impact param from prim vtx, ftpc



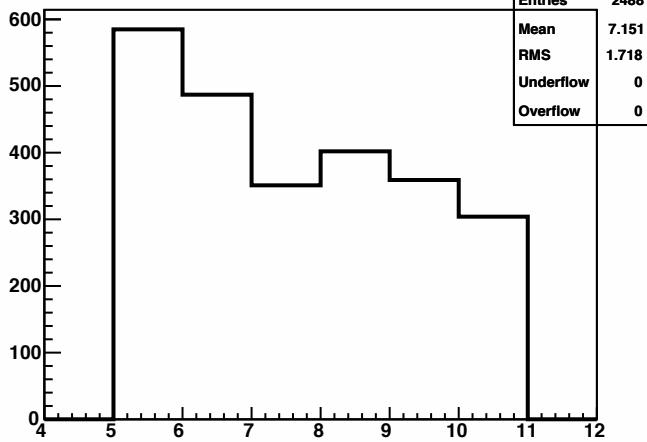
StE globtrk: impact param from prim vtx, ftpc



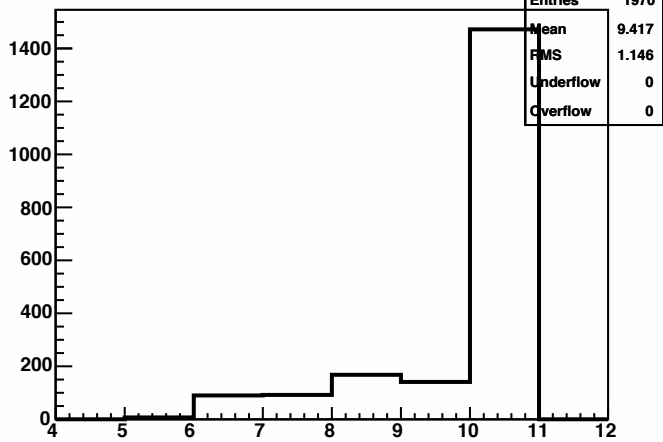
StE globtrk: N points on trk, ftpc east



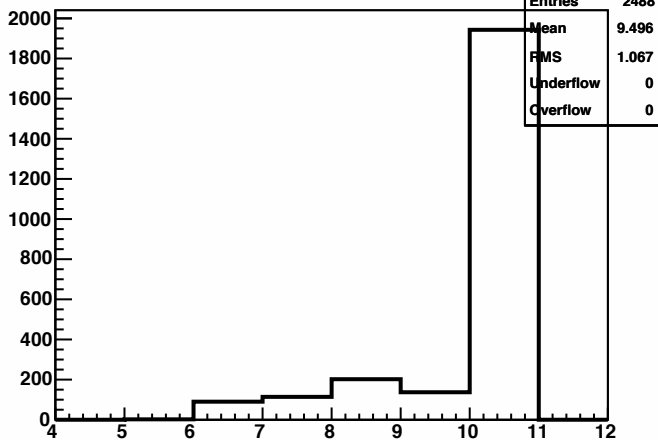
StE globtrk: N points on trk, ftpc west



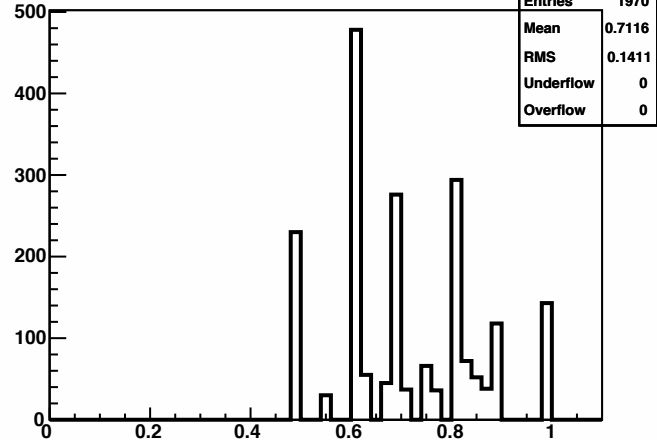
StE globtrk: N max pnts on trk, ftpc east



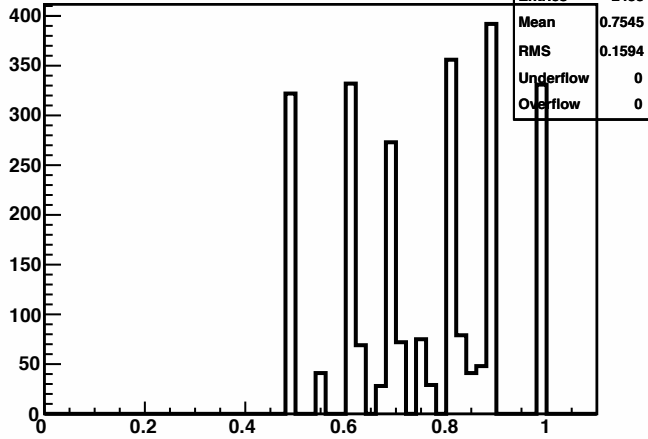
StE globtrk: N max pnts on trk, ftpc west



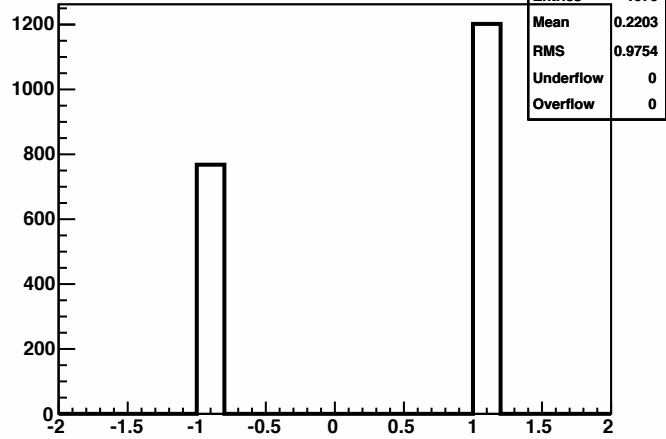
StE globtrk: ratio Nfit/max pnt, ftpc east



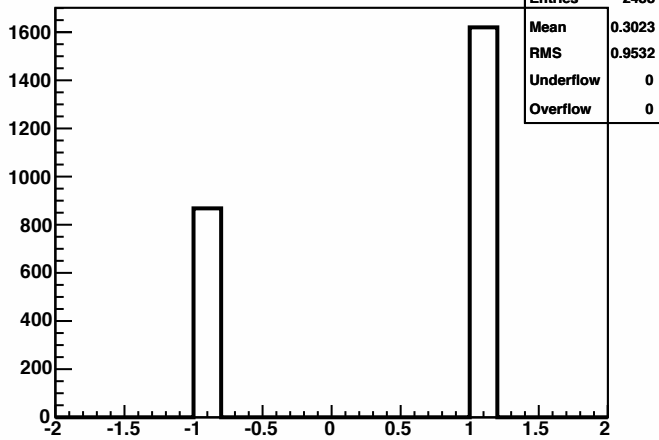
StE globtrk: ratio Nfit/max pnt, ftpc west



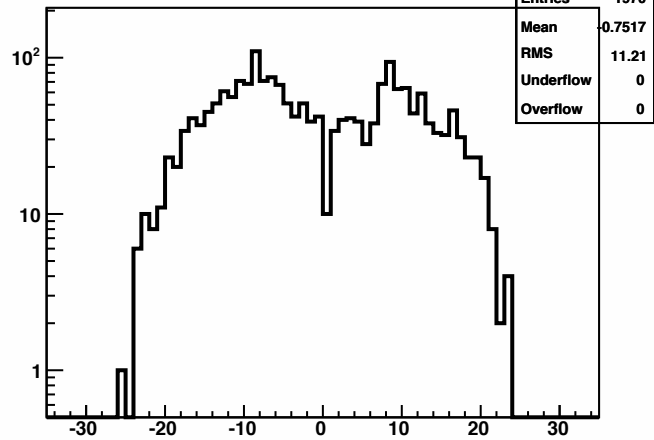
StE globtrk: charge, ftpc east



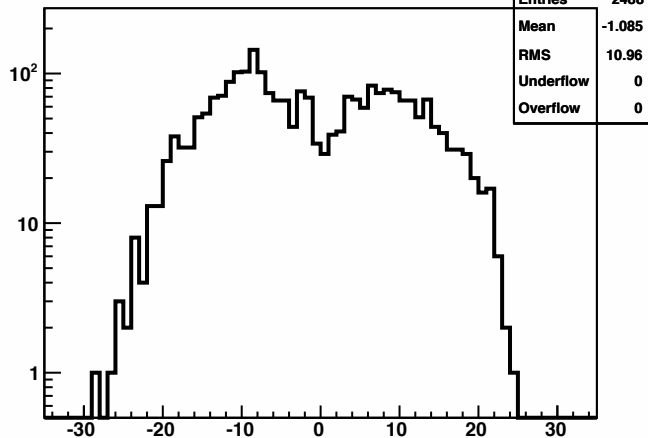
StE globtrk: charge, ftpc west



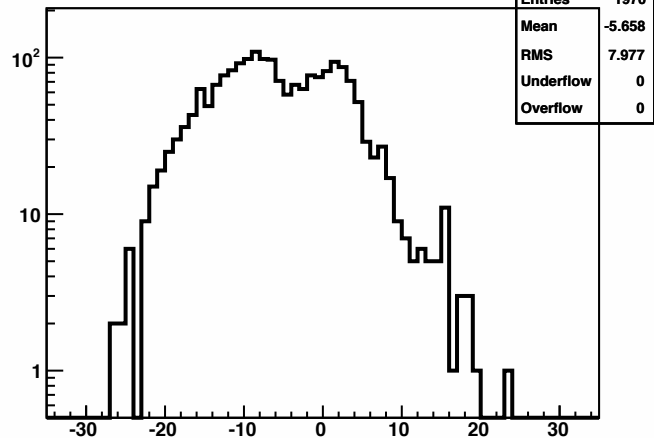
StE globtrk: x of first hit on trk, ftpc east



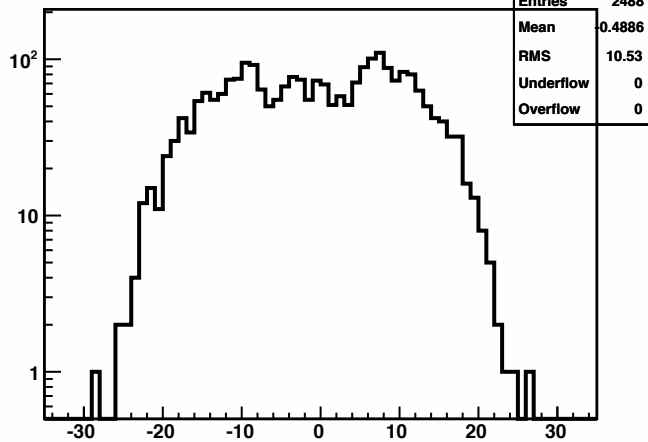
StE globtrk: x of first hit on trk, ftpc west



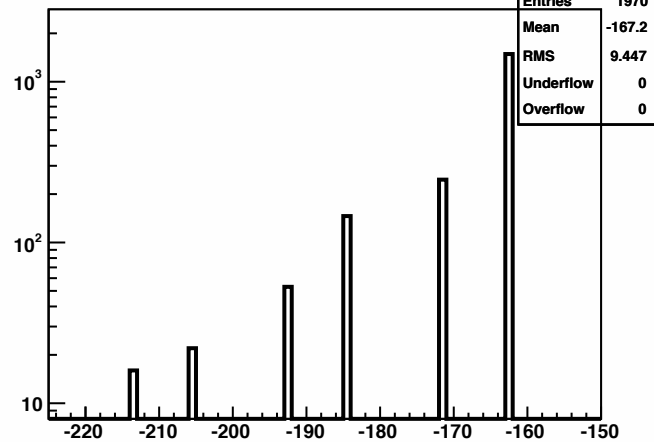
StE globtrk: y of first hit on trk, ftpc east



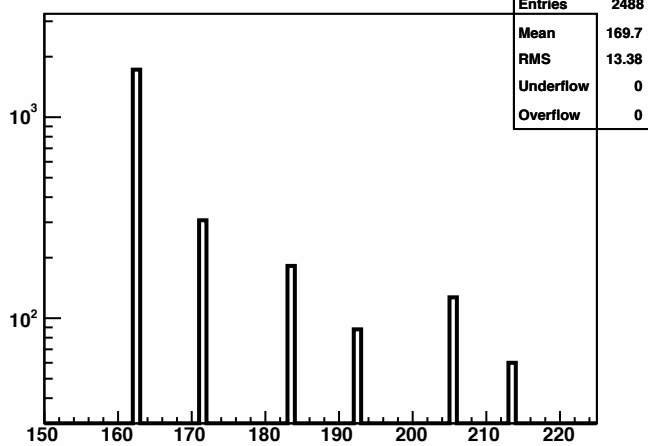
StE globtrk: y of first hit on trk, ftpc west



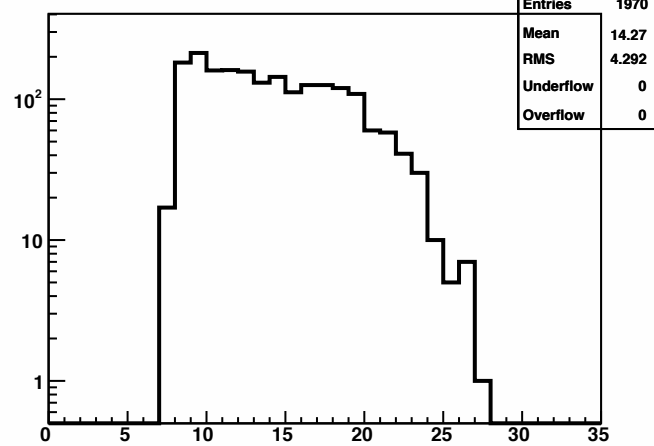
StE globtrk: z of first hit on trk, ftpc east



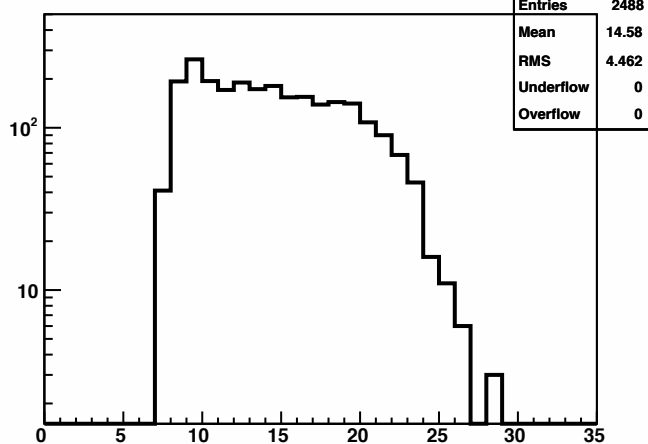
StE globtrk: z of first hit on trk, ftpc west



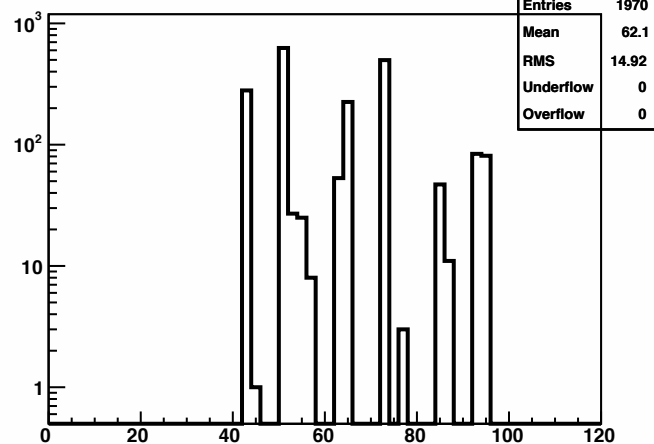
StE globtrk: radial position of first hit, ftpc east



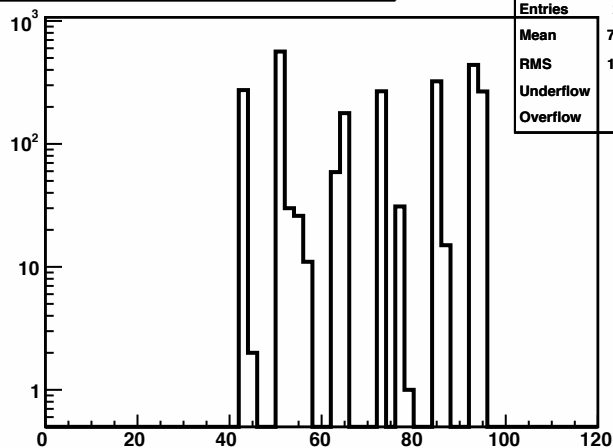
StE globtrk: radial position of first hit, ftpc west



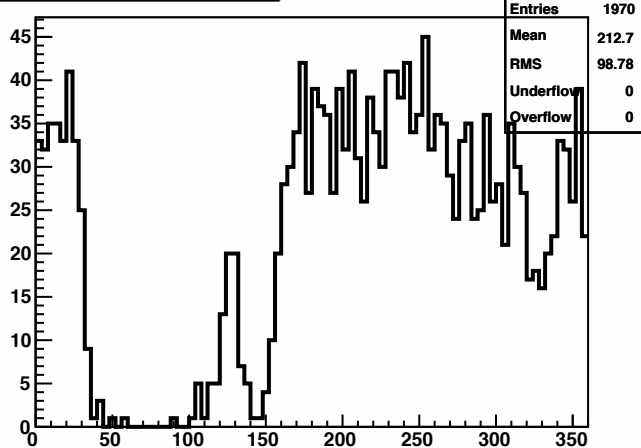
StE globtrk: track length, ftpc east



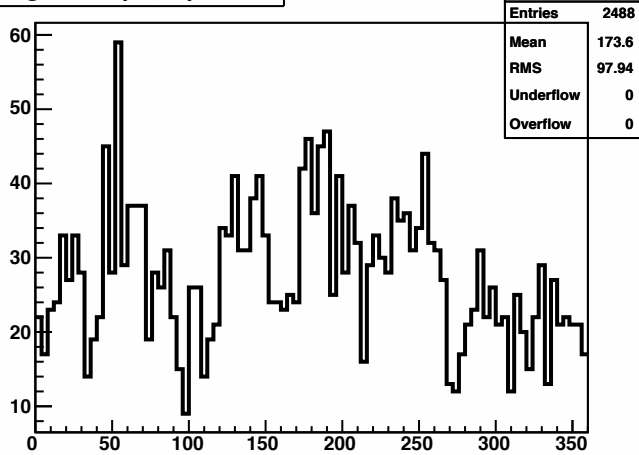
StE globtrk: track length, ftpc west



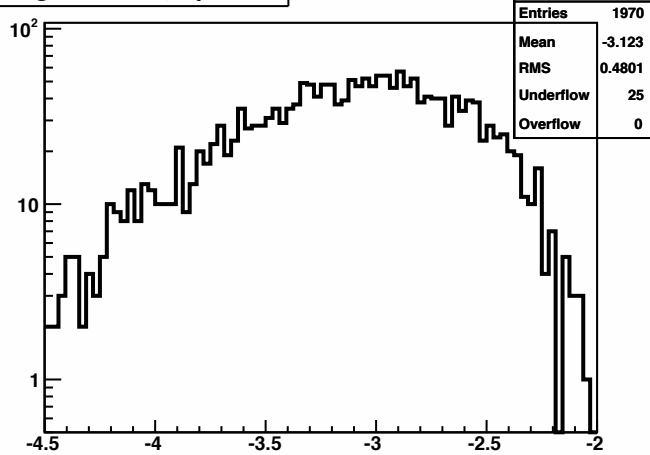
StE globtrk: psi, ftpc east



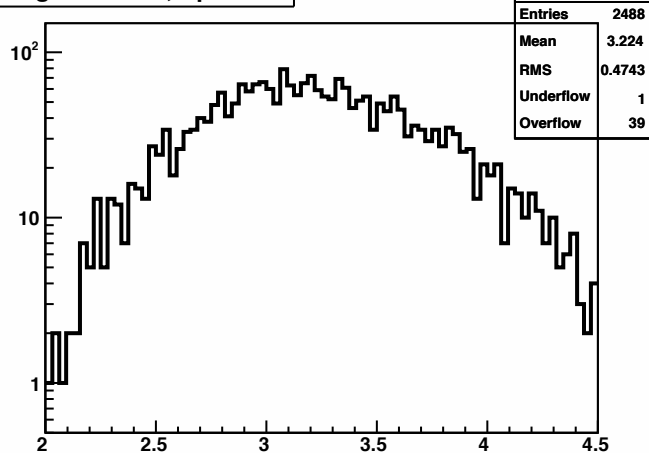
StE globtrk: psi, ftpc west



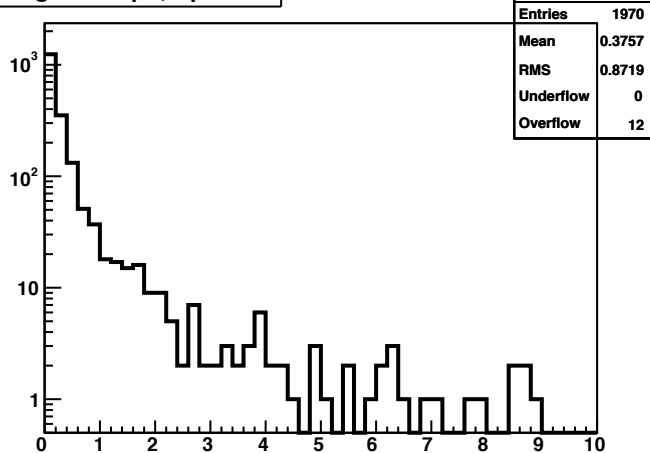
StE globtrk: eta, ftpc east



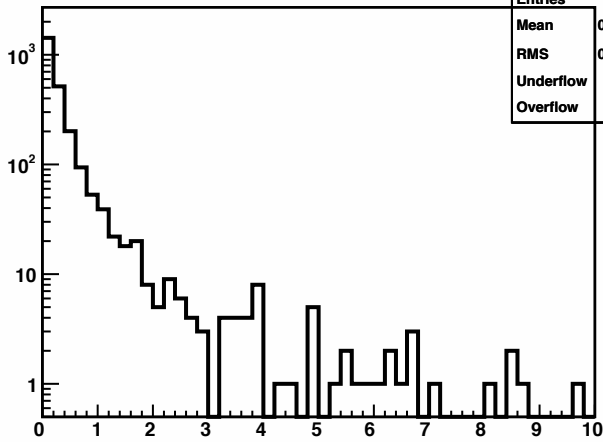
StE globtrk: eta, ftpc west



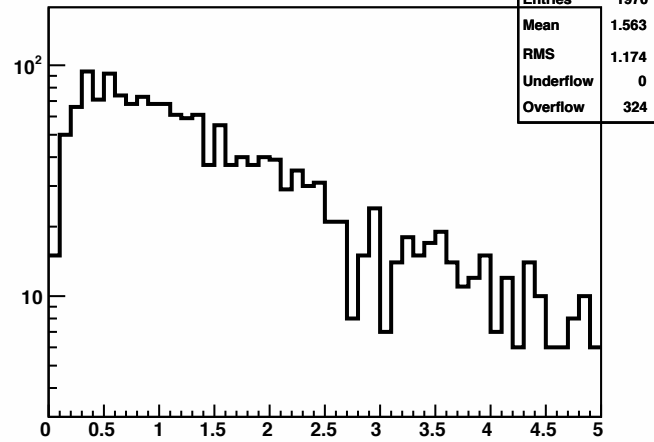
StE globtrk: pT, ftpc east



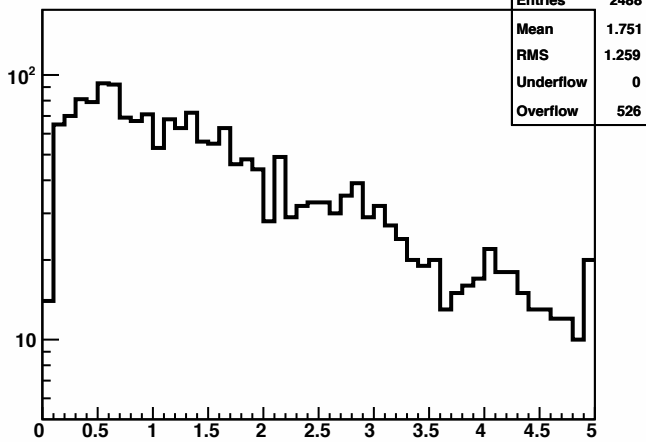
StE globtrk: pT, ftpc west



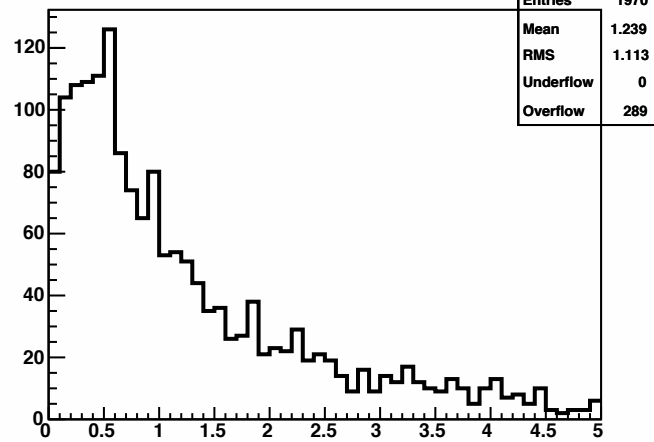
StE globtrk: momentum, ftpc east



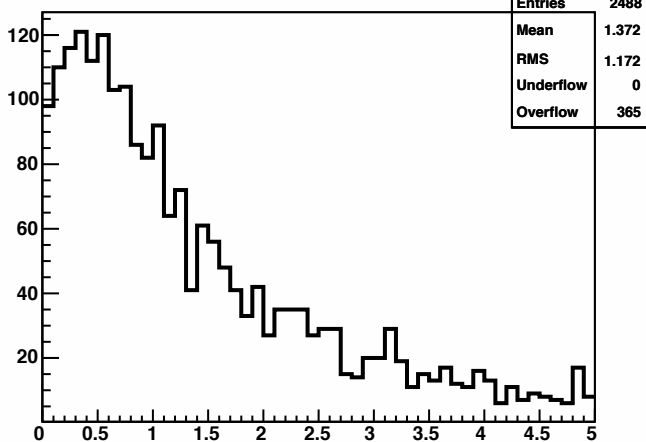
StE globtrk: momentum, ftpc west



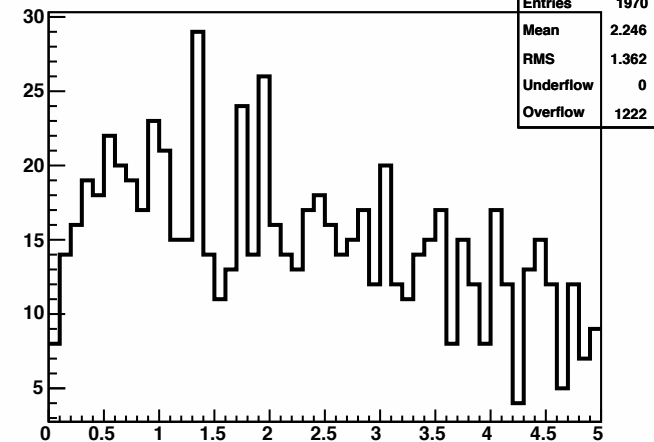
StE globtrk: chi2/ndf x,y fit, ftpc east



StE globtrk: chi2/ndf x,y fit, ftpc west

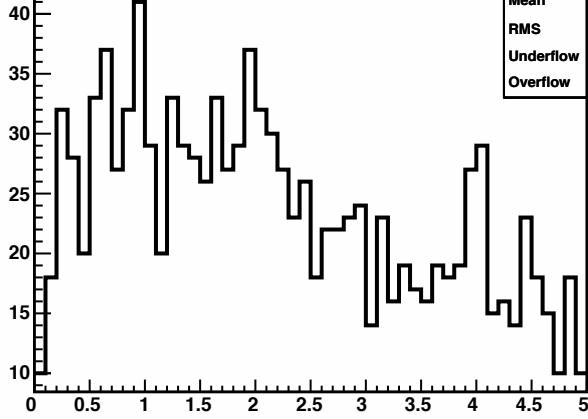


StE globtrk: chi2/ndf r,z fit, ftpc east



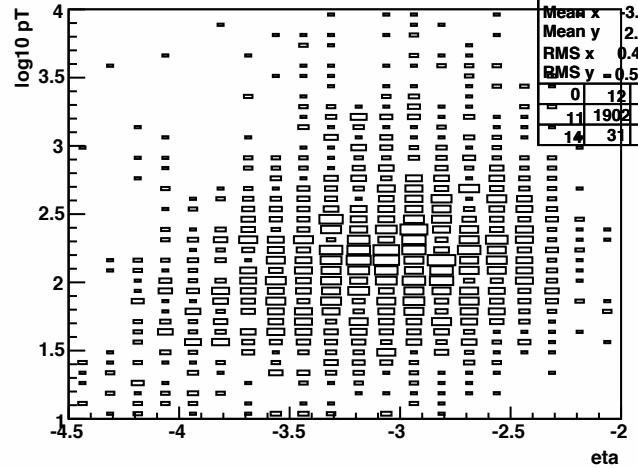
StE globtrk: chi2/ndf r,z fit, ftpc west

StEQaGtrkChisq1FW	
Entries	2488
Mean	2.236
RMS	1.358
Underflow	0
Overflow	1316



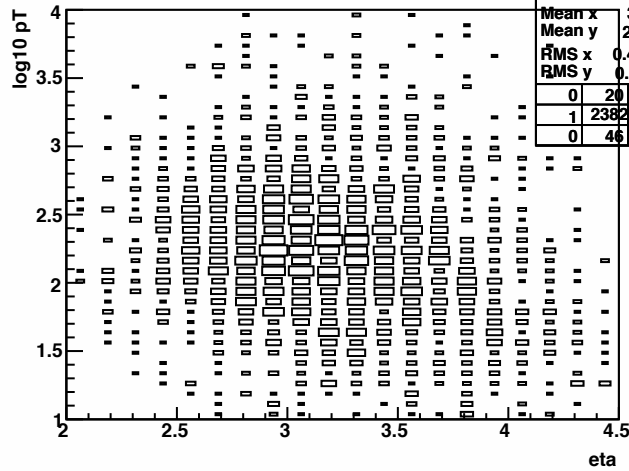
StE globtrk: log10 pT vs eta, ftpcE

StEQaGtrkPivsEtaFE	
Entries	1970
Mean x	3.112
Mean y	2.192
RMS x	0.4719
RMS y	0.5294
0	12
11	1902
14	31



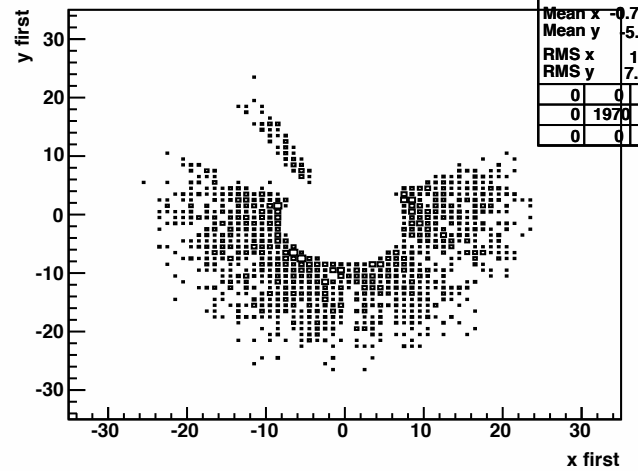
StE globtrk: log10 pT vs eta, ftpcW

StEQaGtrkPivsEtaFW	
Entries	2488
Mean x	3.211
Mean y	2.233
RMS x	0.4677
RMS y	0.5232
0	20
1	2382
0	46



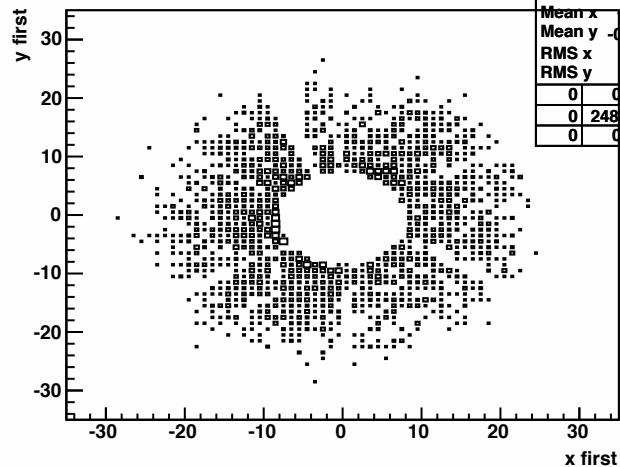
StE globtrk: Y vs X of first hit on trk, ftpcE

StEQaGtrkXYFE	
Entries	1970
Mean x	-0.7517
Mean y	-5.658
RMS x	11.21
RMS y	7.977
0	0
0	1970
0	0



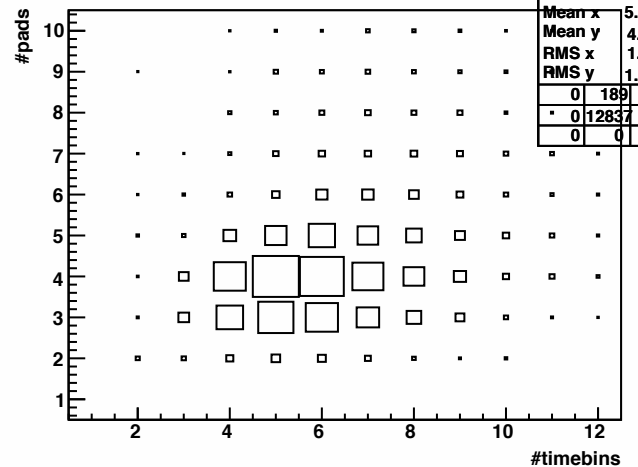
StE globtrk: Y vs X of first hit on trk, ftpcW

StEQaGtrkXYFW	
Entries	2488
Mean x	1.085
Mean y	-0.4886
RMS x	10.96
RMS y	10.53
0	0
0	2488
0	0

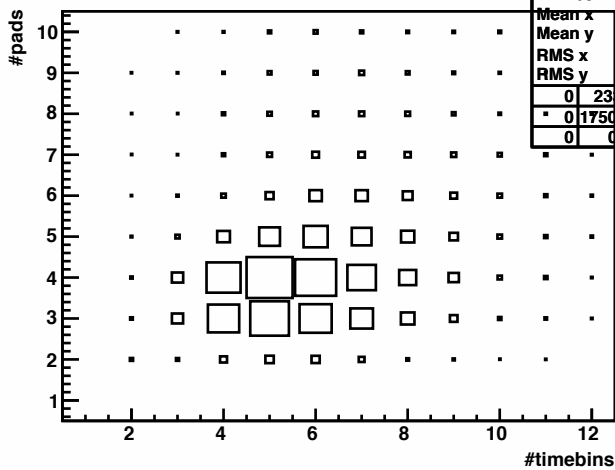


StE globtrk: #pads vs #timebins, ftpcE

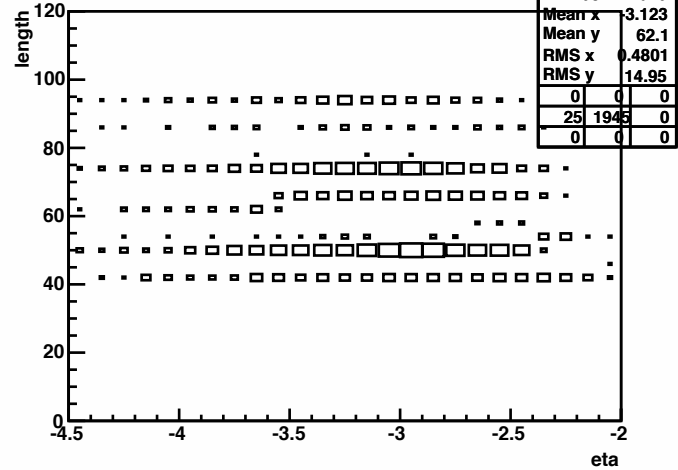
StEQaGtrkPadTimeFtpcE	
Entries	13101
Mean x	5.868
Mean y	4.061
RMS x	1.481
RMS y	1.132
0	189
0	12837
0	0



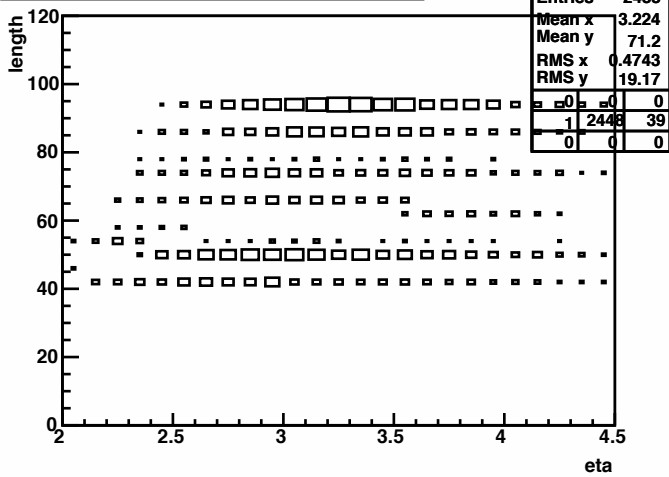
StE globtrk: #pads vs #timebins, ftpcW



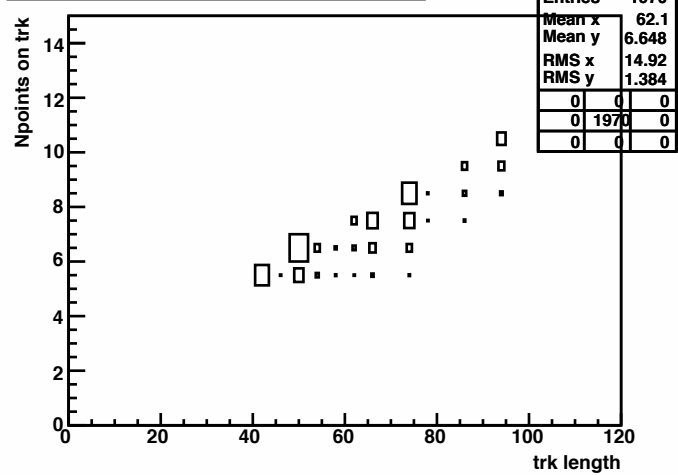
StE globtrk: trk length vs eta, ftpcE



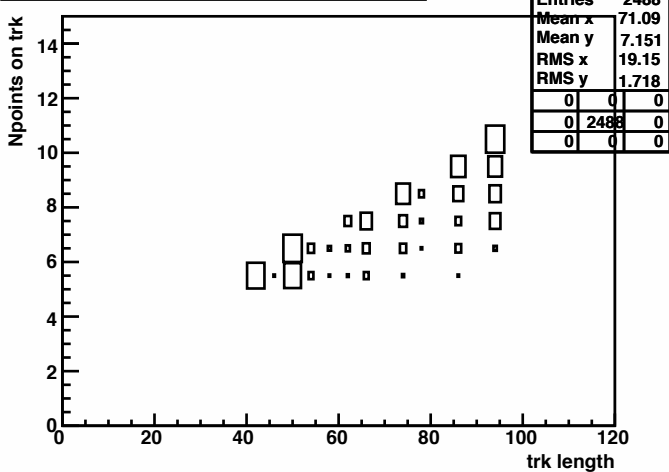
StE globtrk: trk length vs eta, ftpcW



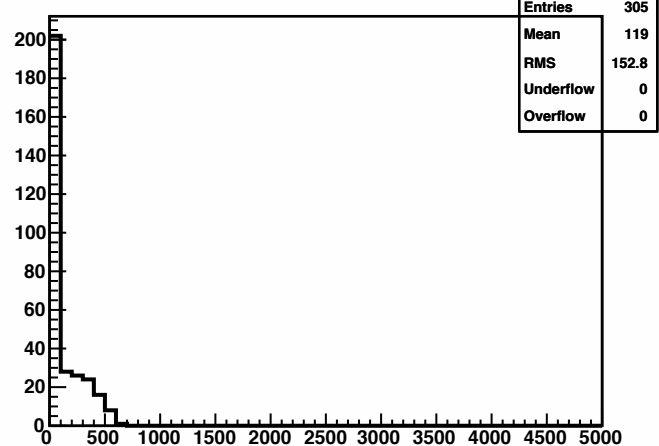
StE globtrk: N pnts vs length, ftpcE



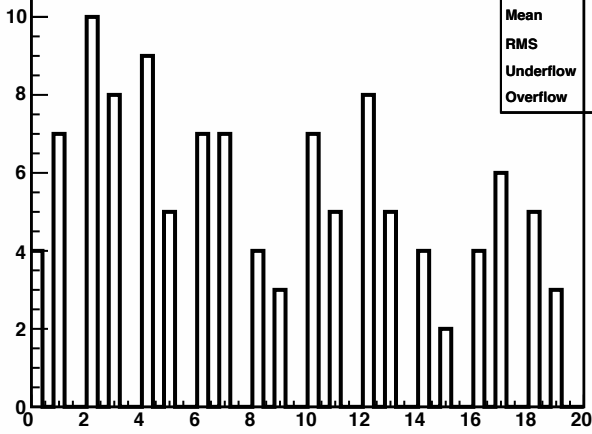
StE globtrk: N pnts vs length, ftpcW



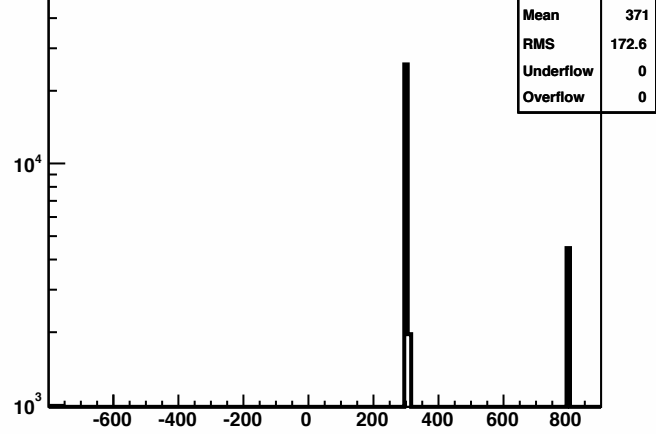
StE primtrk: tot num tracks



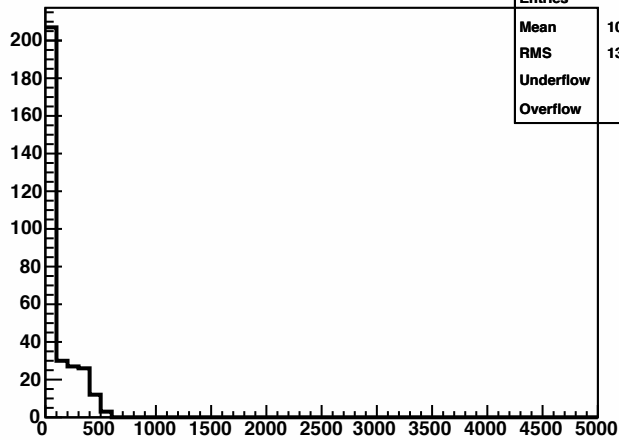
StE primtrk: tot num tracks



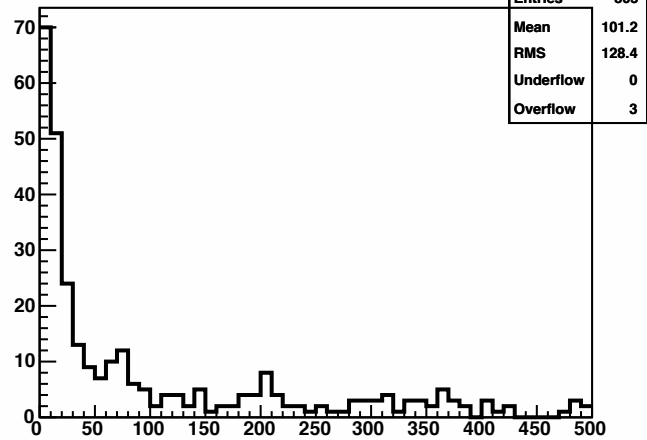
StE primtrk: iflag - all



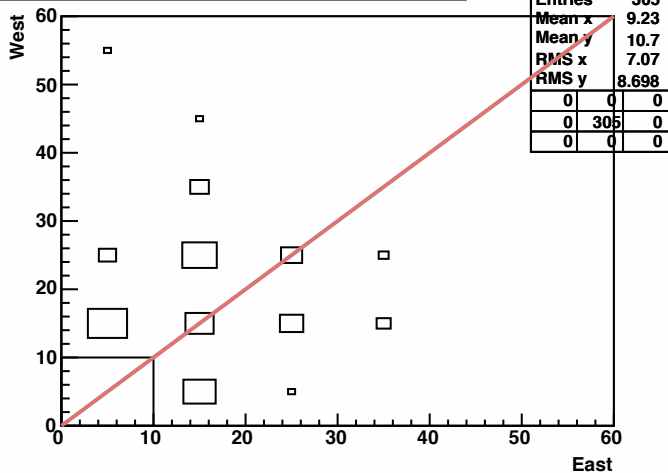
StE primtrk: tot num tracks iflag>0



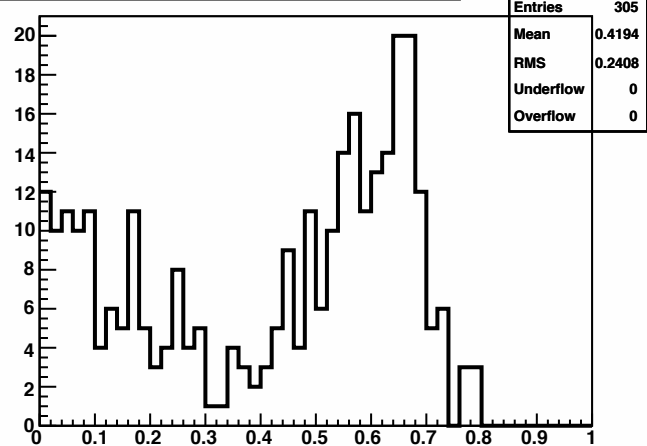
StE primtrk: tot num tracks iflag>0



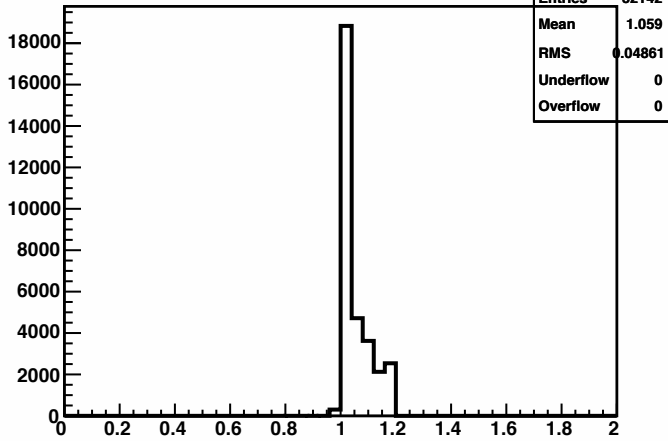
StE primtrk: tot num tracks iflag>0, ftpc



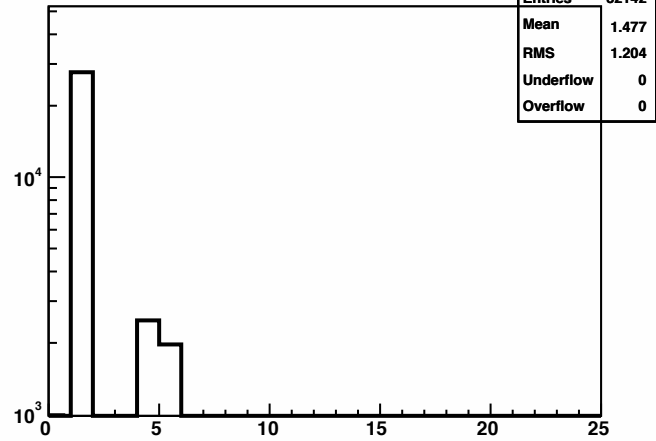
StE primtrk: ratio primary/global tracks w/ iflag>0



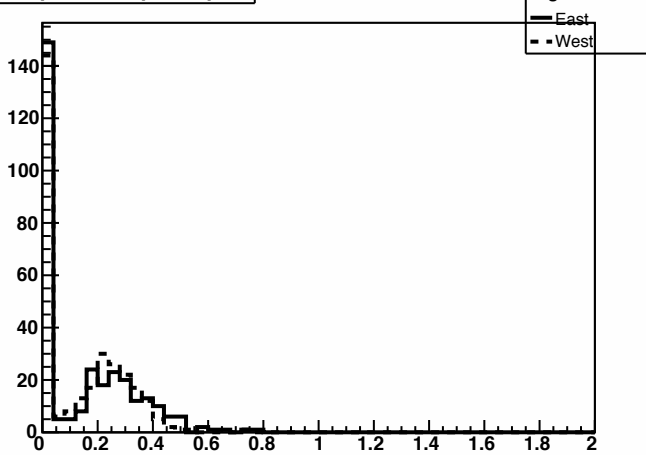
StE primtrk: ratio primary/global nfit points



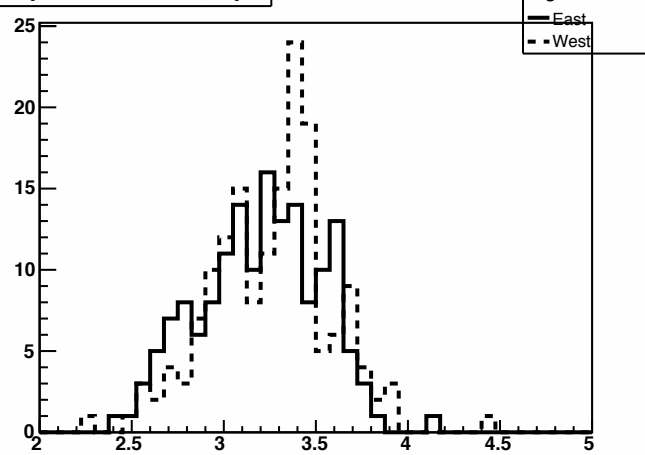
StE primtrk: Detector ID good tracks - all



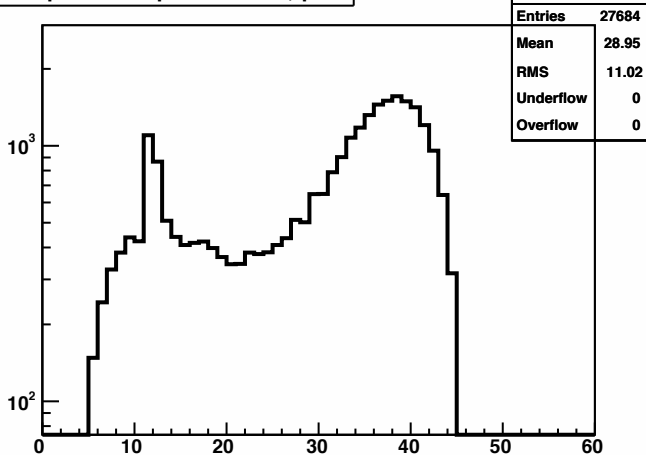
StE primtrk: <pT>, ftpc



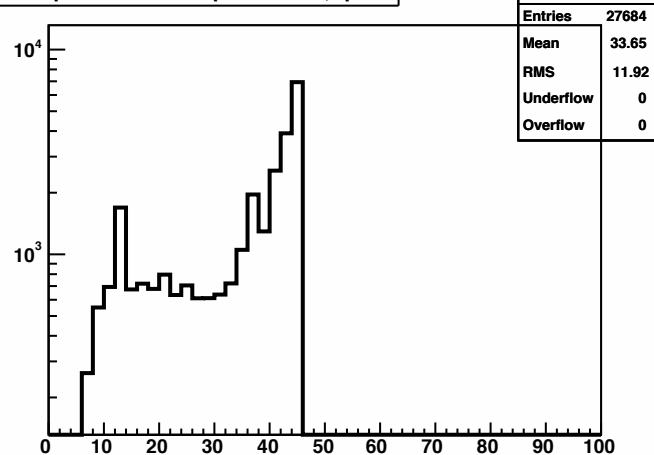
StE primtrk: |<eta>|, ftpc



StE primtrk: N points on trk,tpc

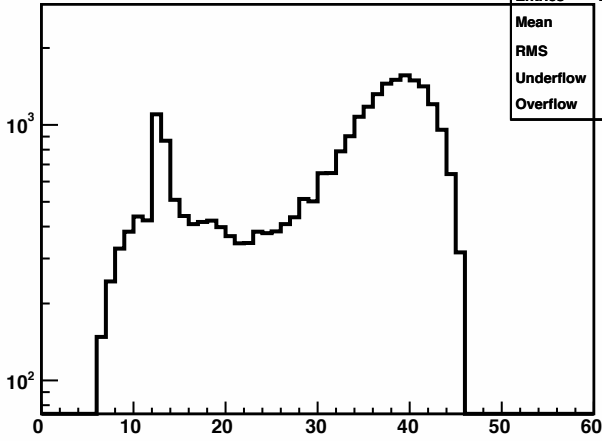


StE primtrk: N max pnts on trk, tpc



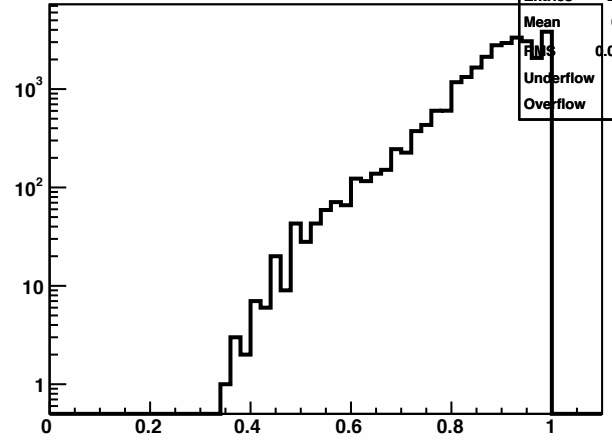
StE primtrk: N fit pnts on trk, tpc

StEQaPtrkNPntFIT	
Entries	27684
Mean	29.95
RMS	11.02
Underflow	0
Overflow	0



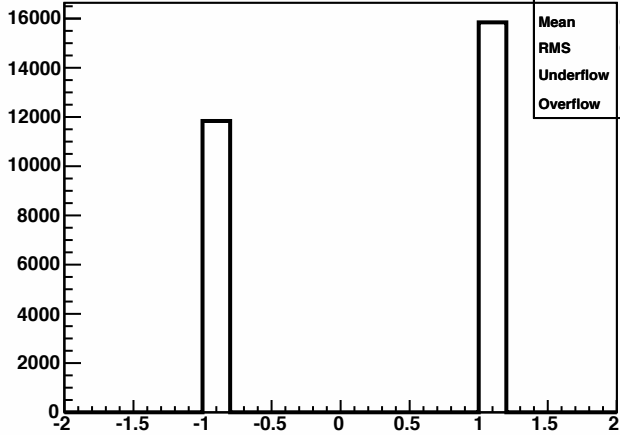
StE primtrk: ratio Nfit/max pnt, tpc

StEQaPtrkRnmT	
Entries	27684
Mean	0.893
RMS	0.08998
Underflow	0
Overflow	0



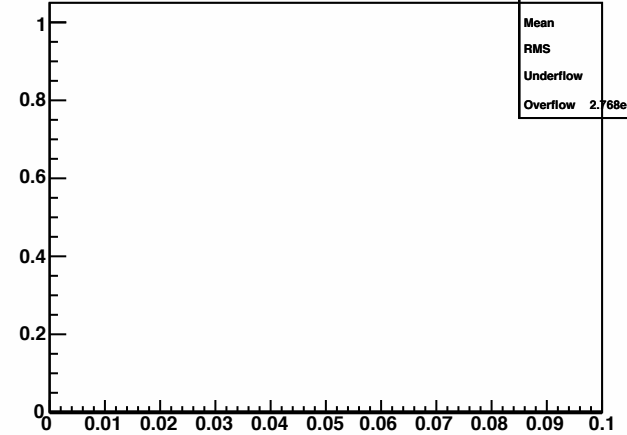
StE primtrk: charge, tpc

StEQaPtrkChrgT	
Entries	27684
Mean	0.1448
RMS	0.9895
Underflow	0
Overflow	0



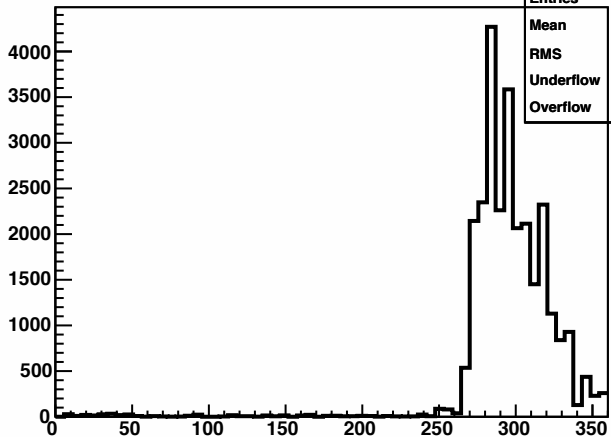
StE primtrk: radius at start (cm), tpc

StEQaPtrkR0T	
Entries	27684
Mean	0
RMS	0
Underflow	0
Overflow	2.768e+04



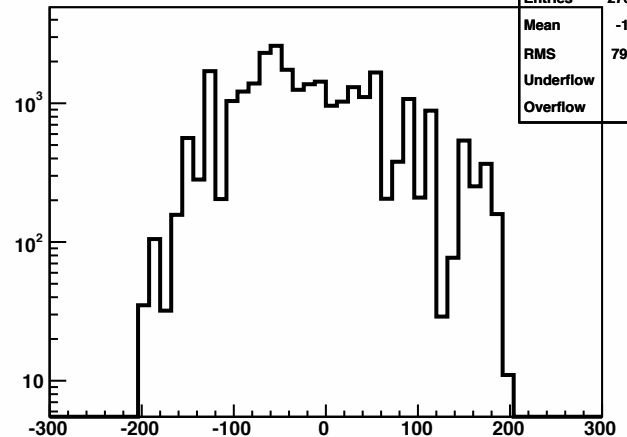
StE primtrk: azimuth (phi) at start (deg,force 0,360), tpc

StEQaPtrkPhi0T	
Entries	27684
Mean	295.6
RMS	32.51
Underflow	0
Overflow	0

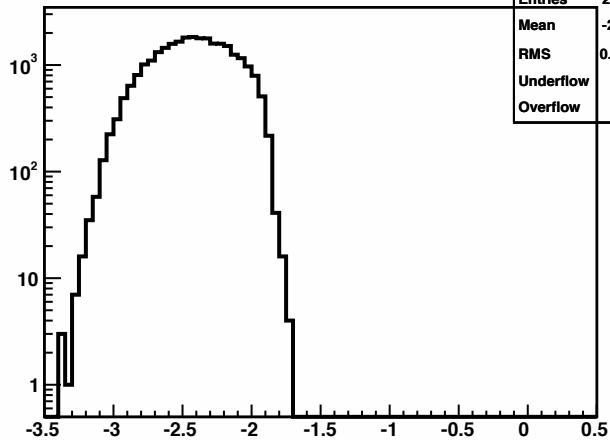


StE primtrk: z-coord at start (cm), tpc

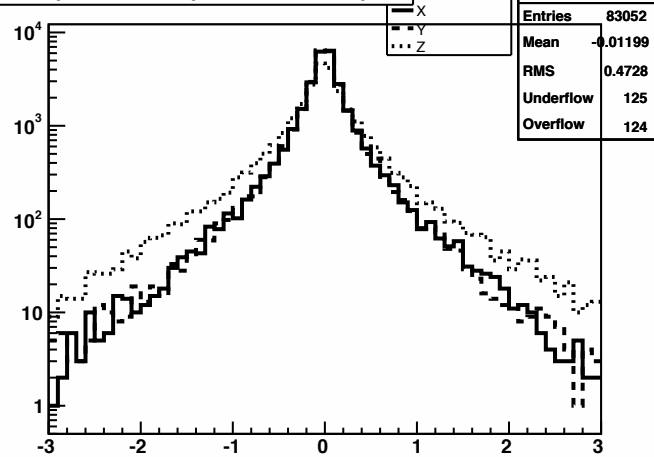
StEQaPtrkZ0T	
Entries	27684
Mean	-17.6
RMS	79.13
Underflow	0
Overflow	0



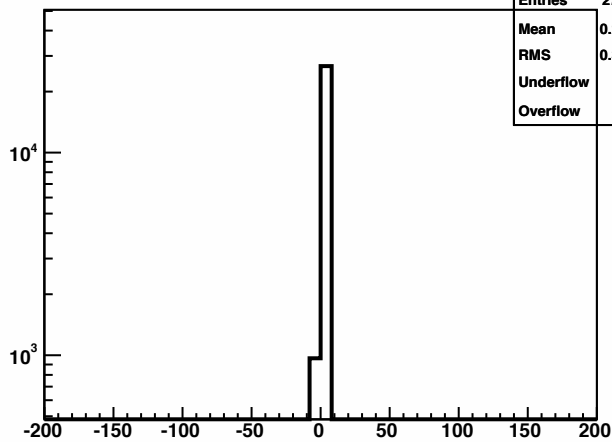
StE primtrk: log10 curvature (1/cm), tpc



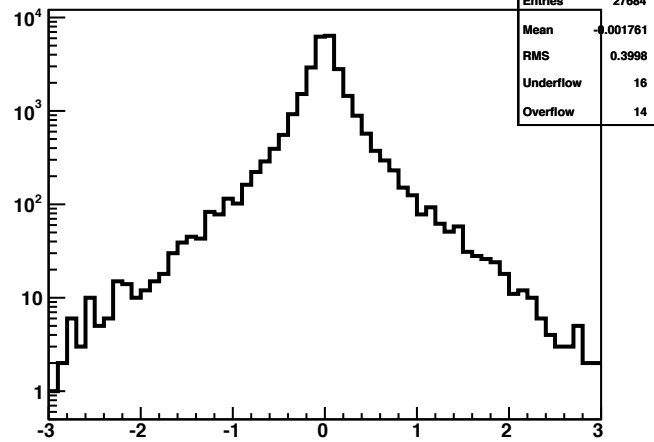
StE primtrk: first point: hit-helix, tpc



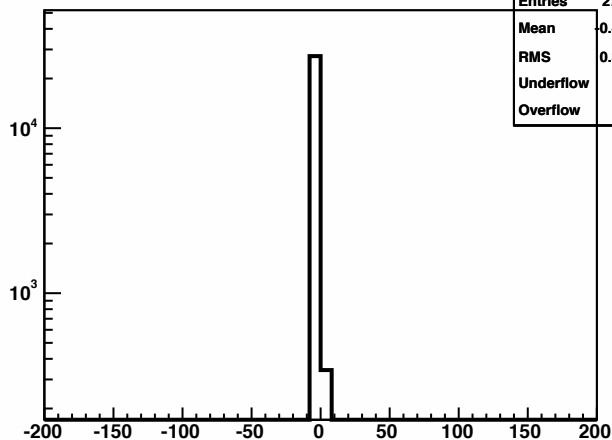
StE primtrk: x of first hit on trk, tpc



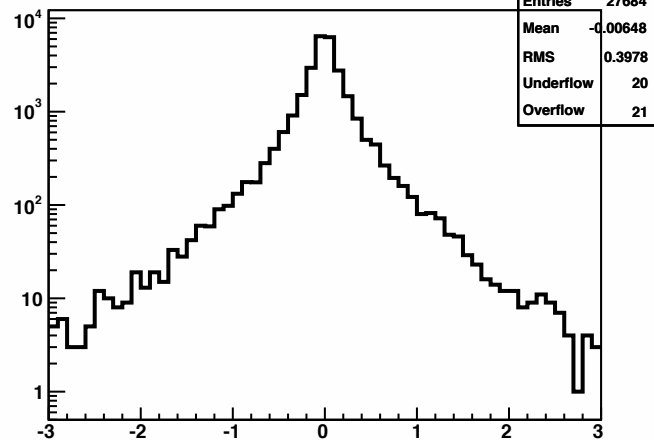
StE primtrk: first point: x_hit - x_helix, tpc



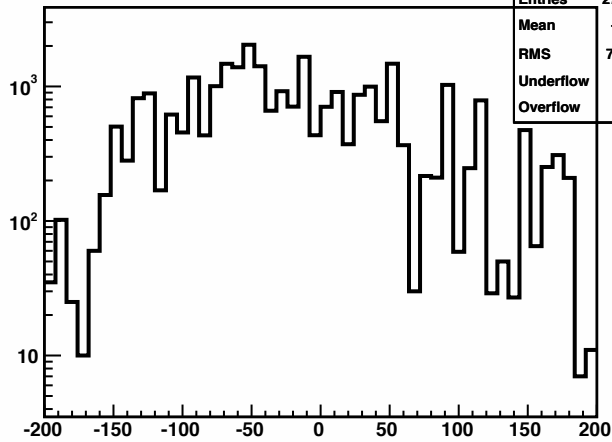
StE primtrk: y of first hit on trk, tpc



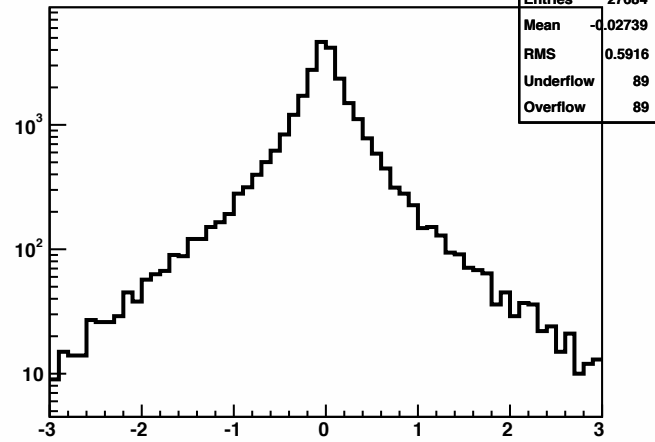
StE primtrk: first point: y_hit - y_helix, tpc



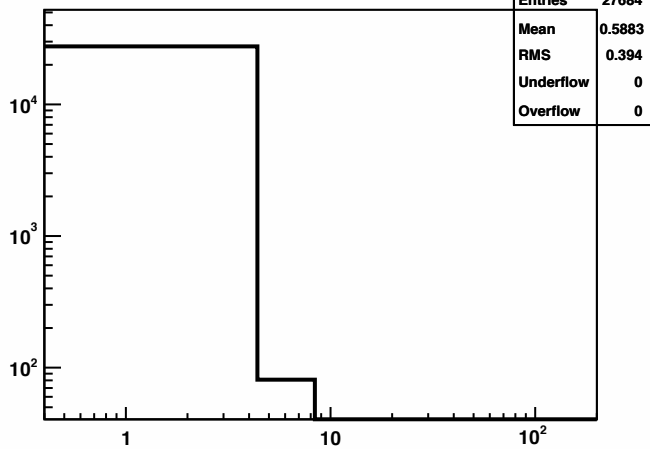
StE primtrk: z of first hit on trk, tpc



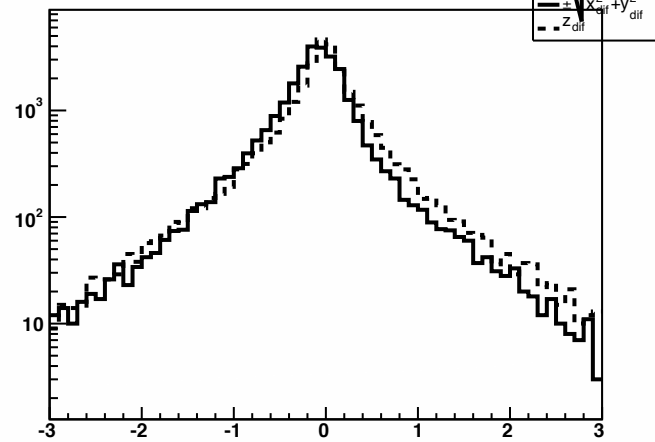
StE primtrk: first point: z_hit - z_helix, tpc



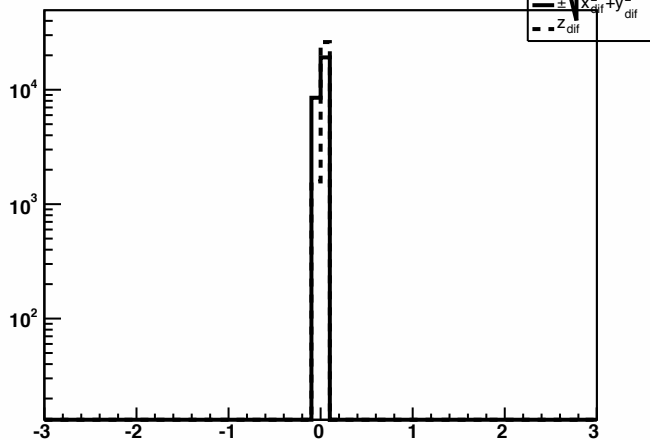
StE primtrk: radial position of first hit, tpc



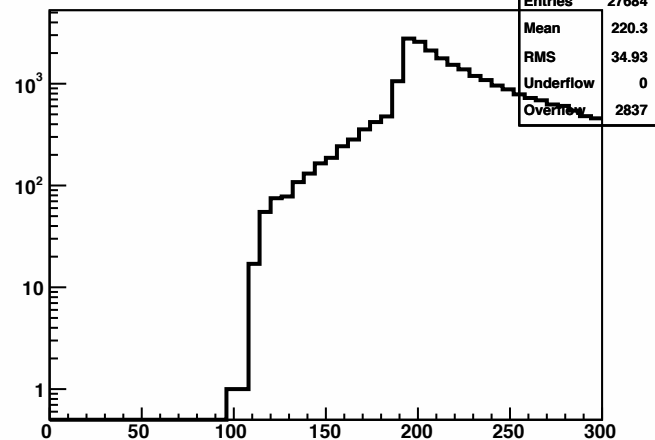
StE primtrk: first point: hit - helix (r,z), tpc



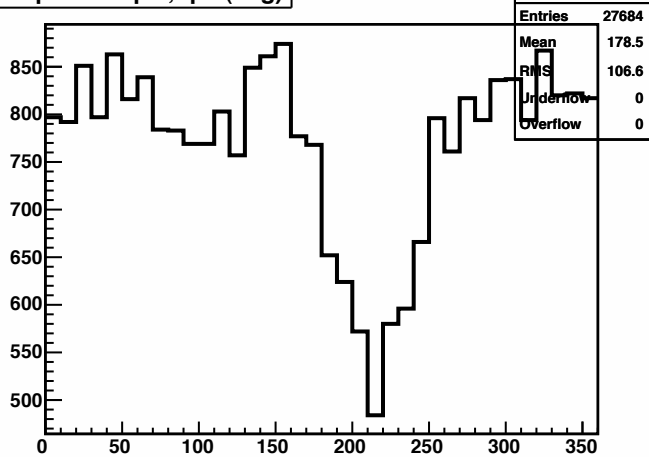
StE primtrk: last point: hit - helix (r,z), tpc



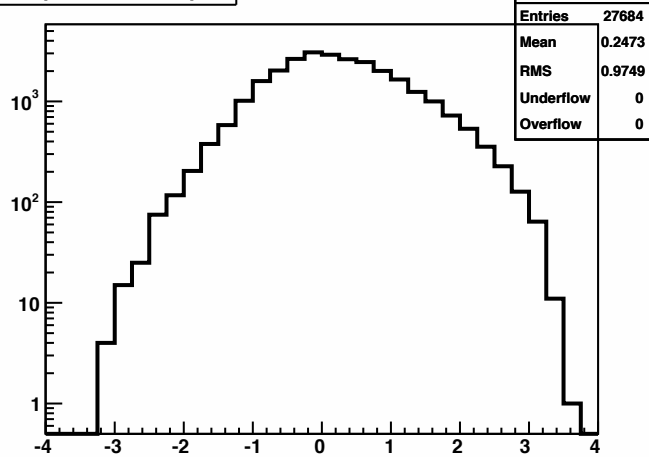
StE primtrk: track length, tpc



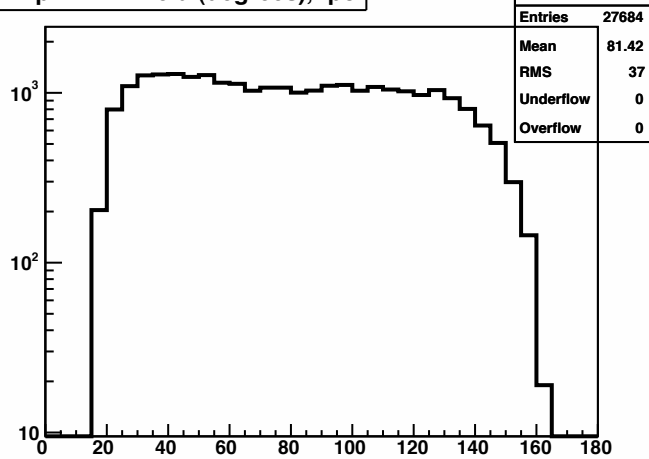
StE primtrk: psi, tpc (deg)



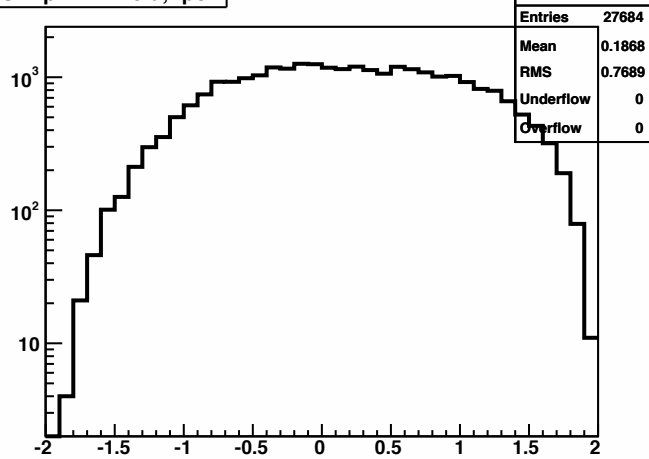
StE primtrk: tanl, tpc



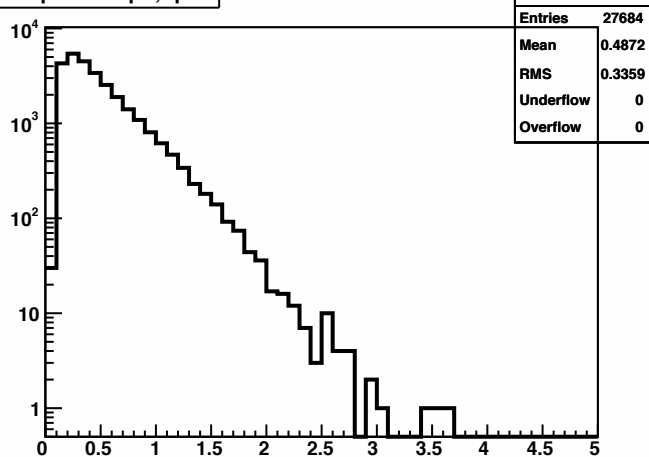
StE primtrk: theta (degrees), tpc



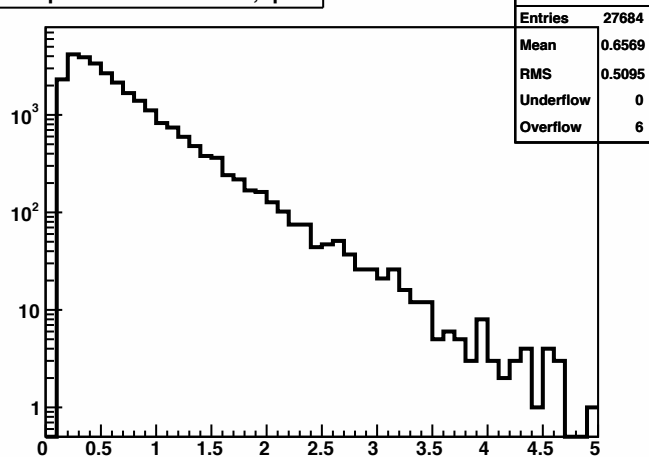
StE primtrk: eta, tpc



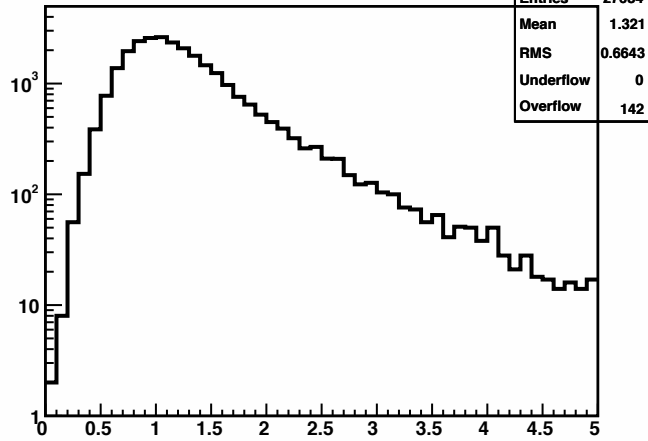
StE primtrk: pT, tpc



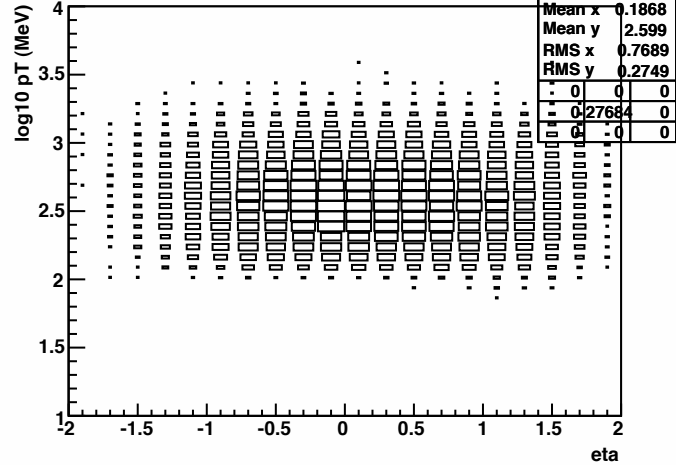
StE primtrk: momentum, tpc



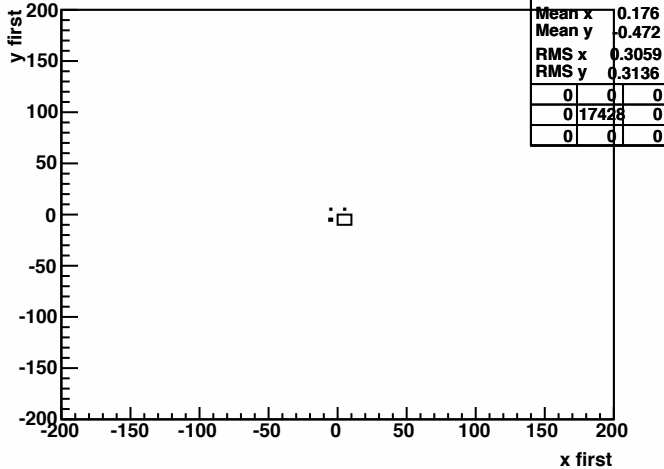
StE primtrk: chisq0, tpc



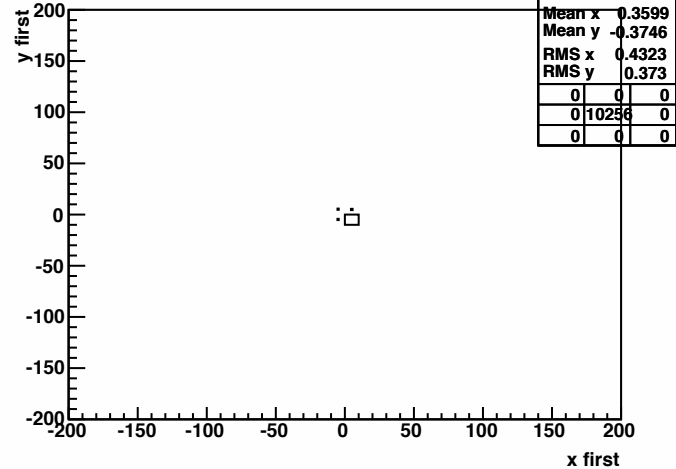
StE primtrk: log10 pT vs eta, tpc



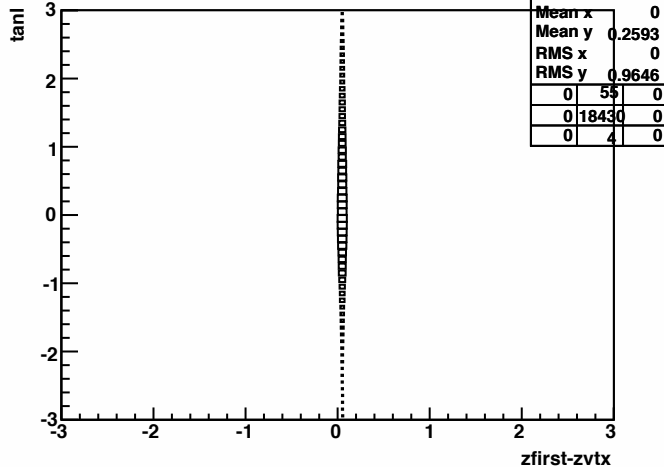
StE primtrk: Y vs X of first hit on trk, tpc east



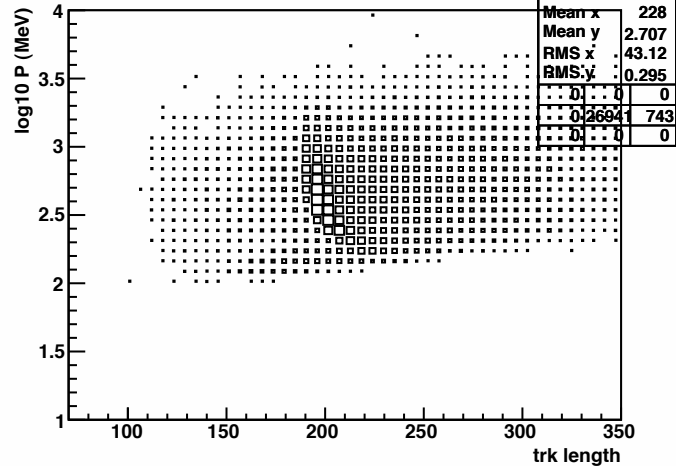
StE primtrk: Y vs X of first hit on trk, tpc west



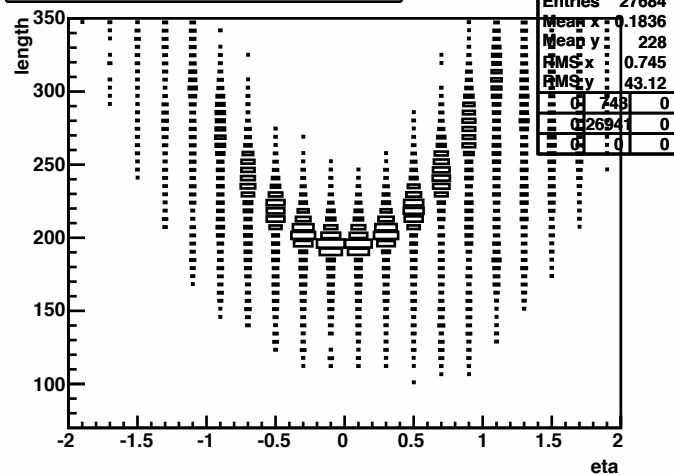
StE primtrk: tan(dip) versus zfirst-zvtx, tpc,tpc+svt



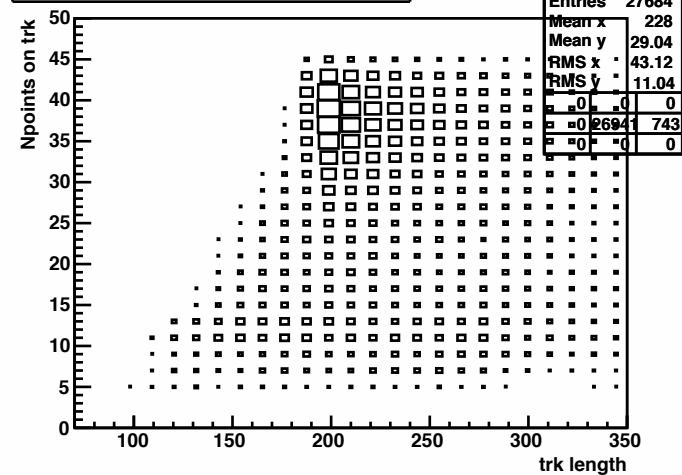
StE primtrk: log10 mom vs trk length, tpc



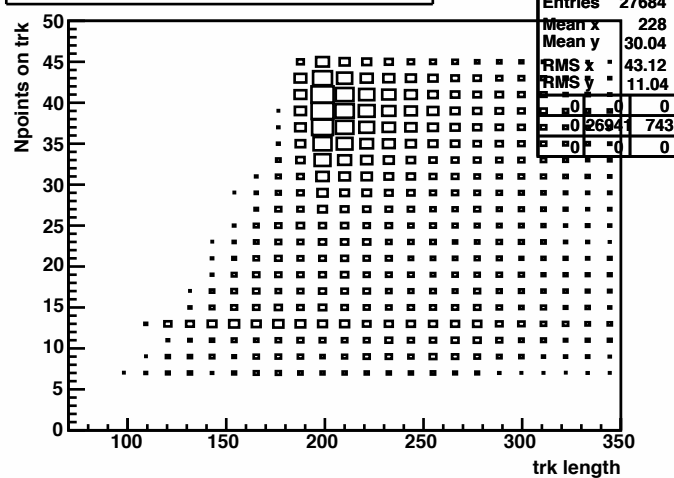
StE primtrk: trk length vs eta, tpc



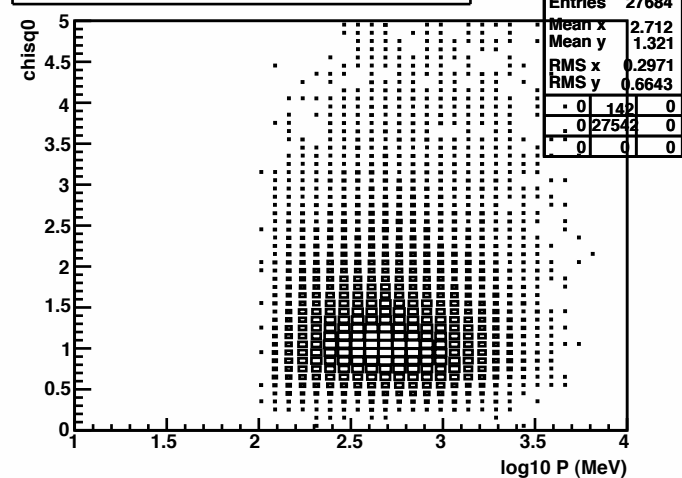
StE primtrk: N pnts vs length, tpc



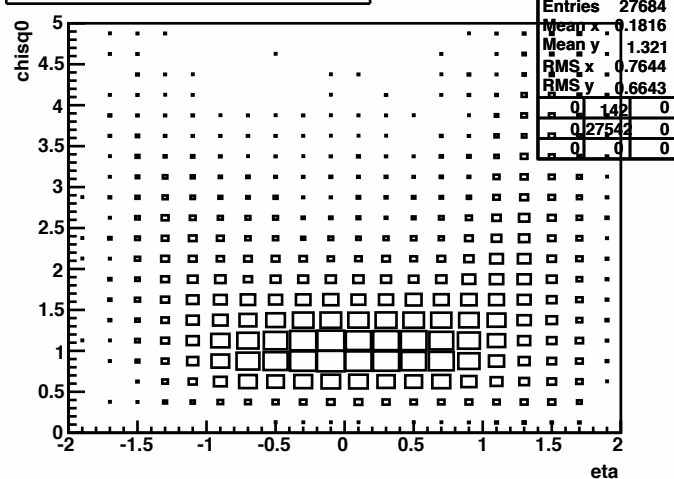
StE primtrk: N fit pnts vs length, tpc



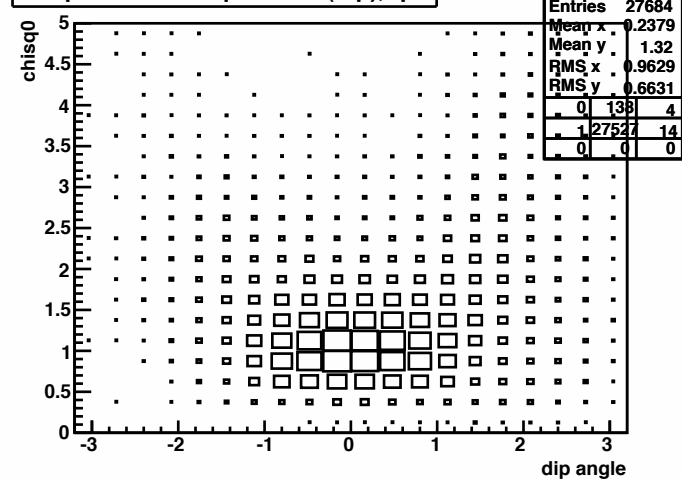
StE primtrk: Chisq0 vs log10 mom, tpc



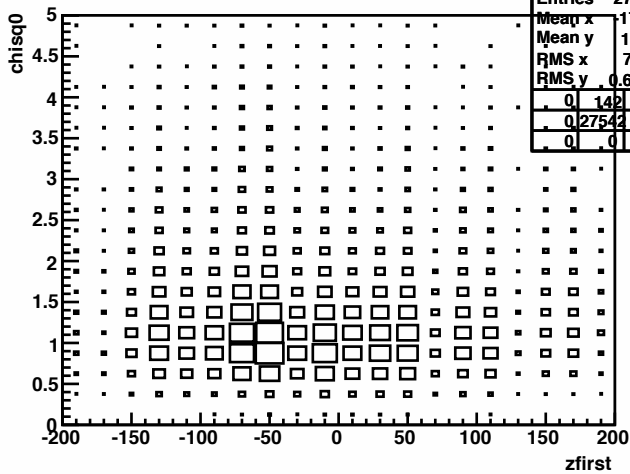
StE primtrk: Chisq0 vs eta, tpc



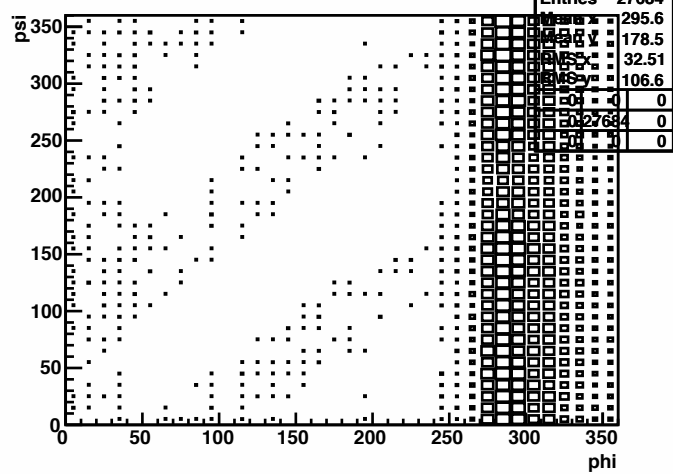
StE primtrk: Chisq0 vs tan1(dip), tpc



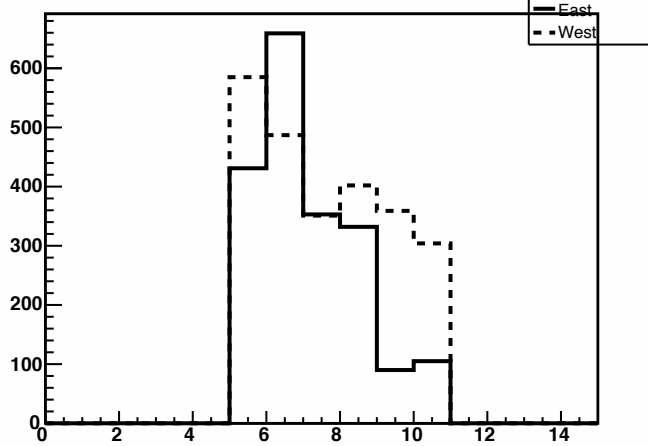
StE primtrk: Chisq0 vs zfirst, tpc



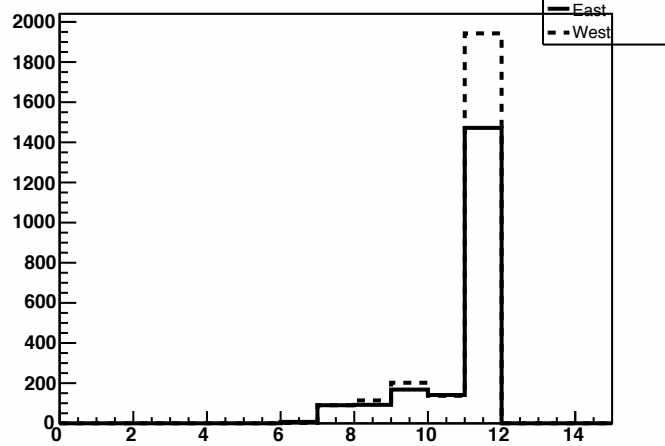
StE primtrk: psi vs phi, tpc



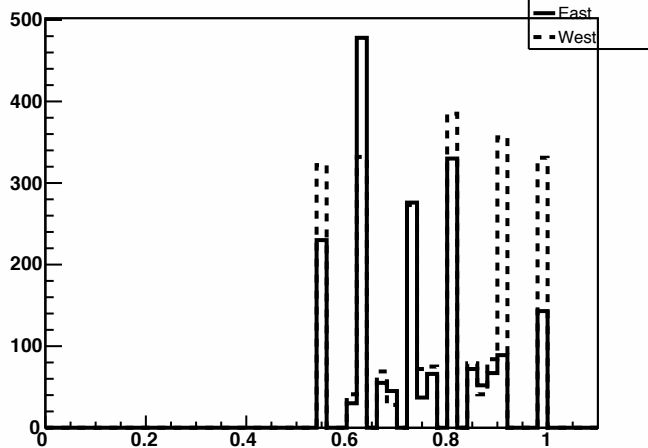
StE primtrk: N points on trk, ftpc



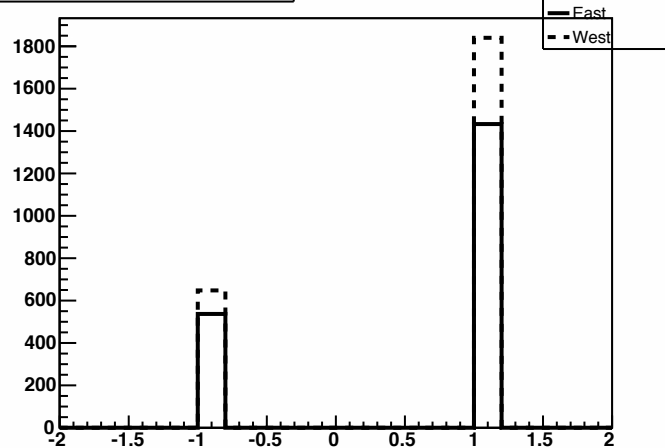
StE primtrk: N max pnts on trk, ftpc



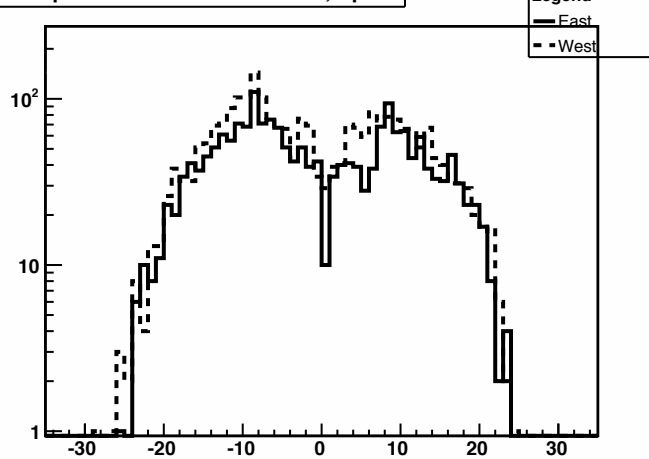
StE primtrk: ratio Nfit/max pnt, ftpc



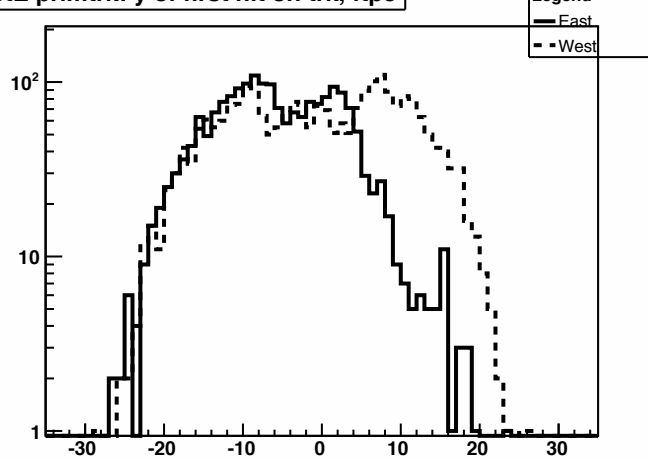
StE primtrk: charge, ftpc



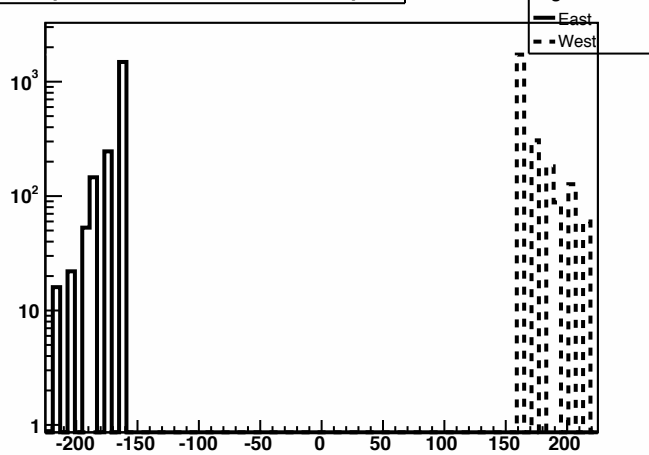
StE primtrk: x of first hit on trk, ftpc



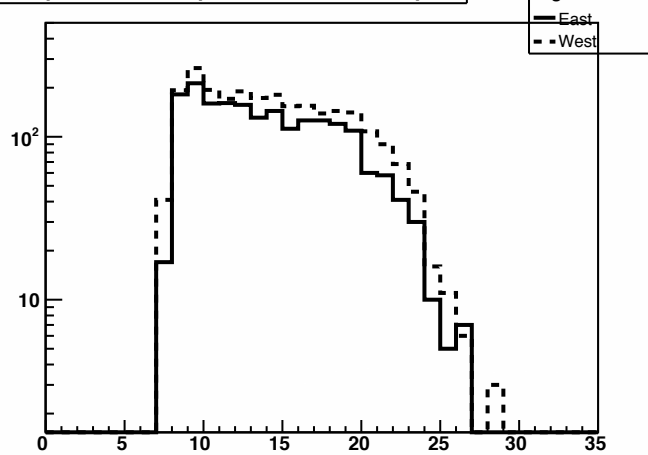
StE primtrk: y of first hit on trk, ftpc



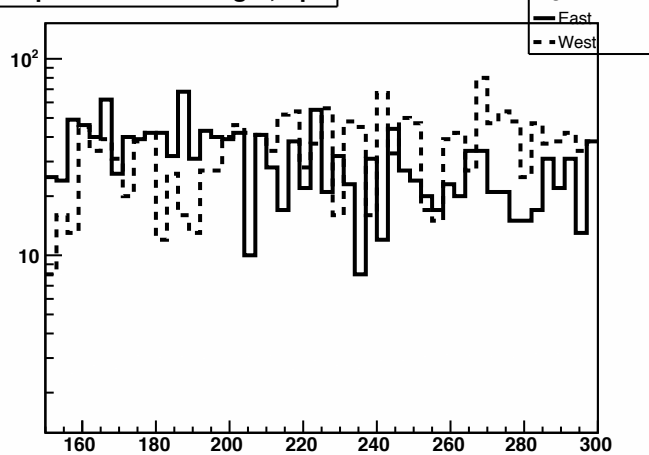
StE primtrk: z of first hit on trk, ftpc



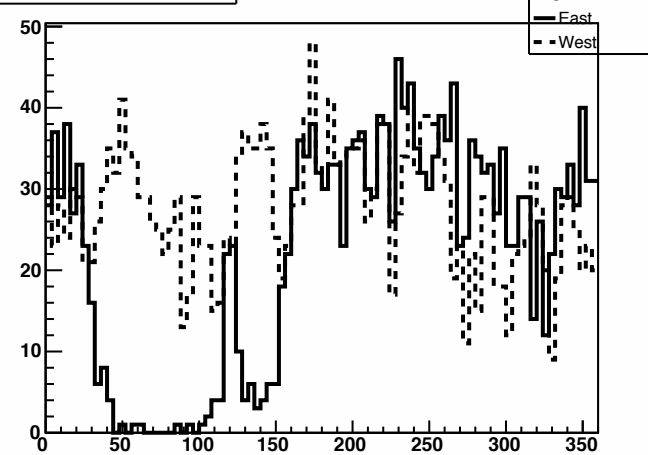
StE primtrk: radial position of first hit, ftpc



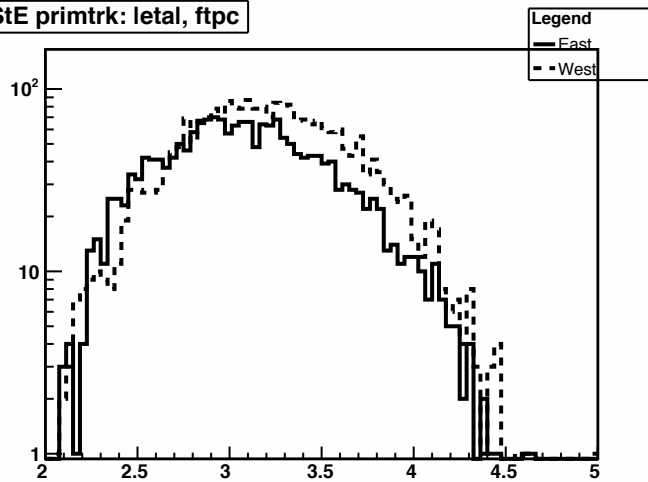
StE primtrk: track length, ftpc



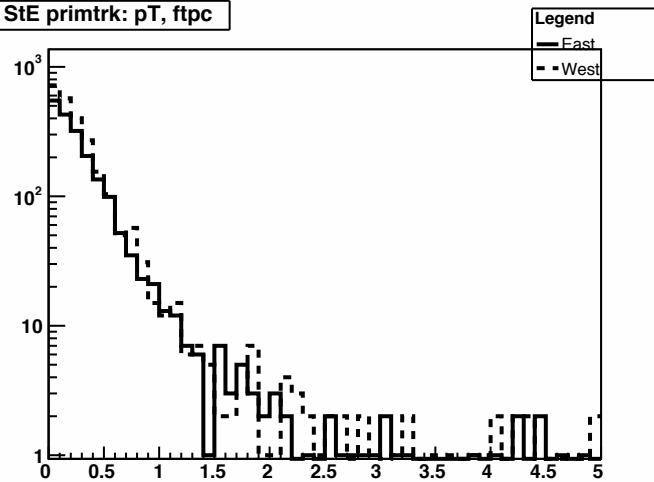
StE primtrk: psi, ftpc



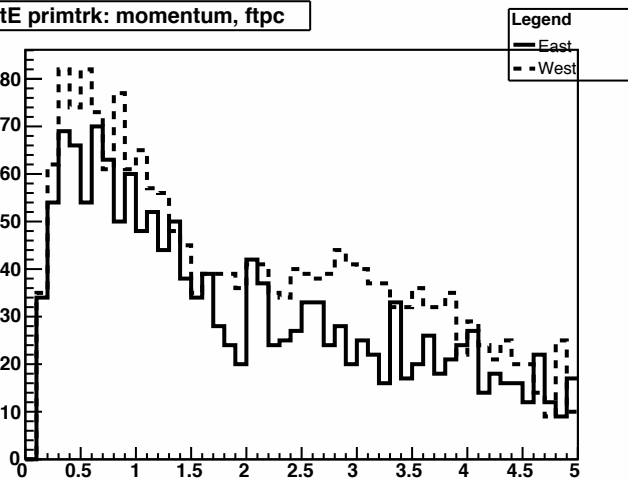
StE primtrk: letal, ftpc



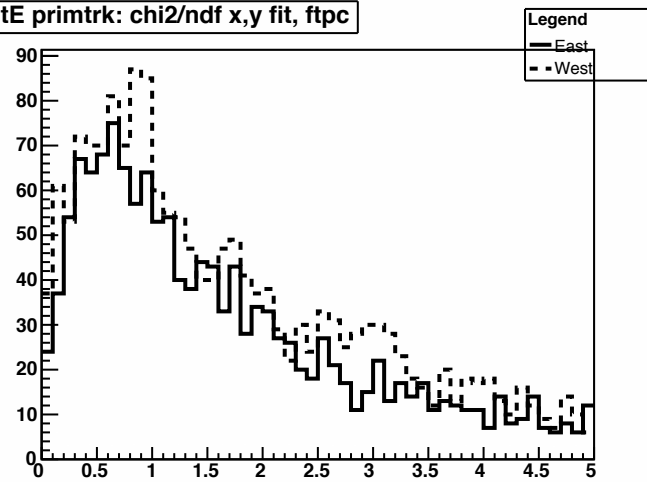
StE primtrk: pT, ftpc



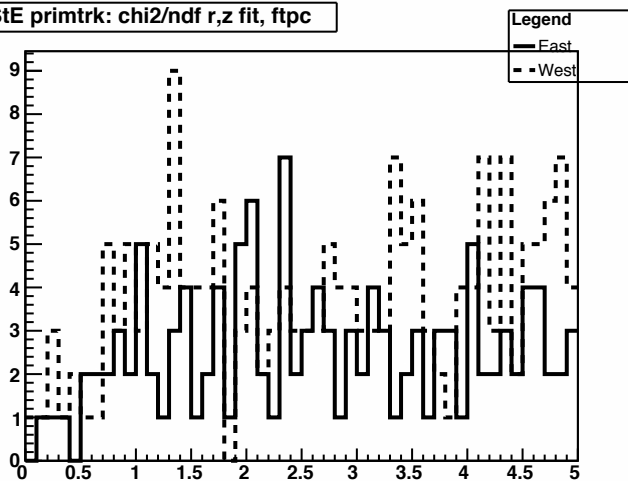
StE primtrk: momentum, ftpc



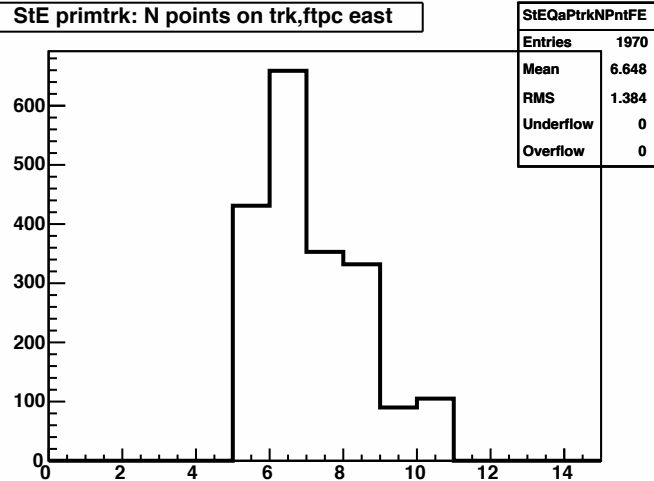
StE primtrk: chi2/ndf x,y fit, ftpc



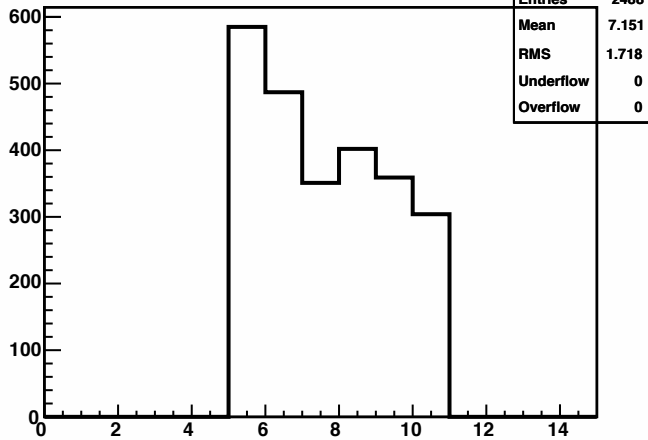
StE primtrk: chi2/ndf r,z fit, ftpc



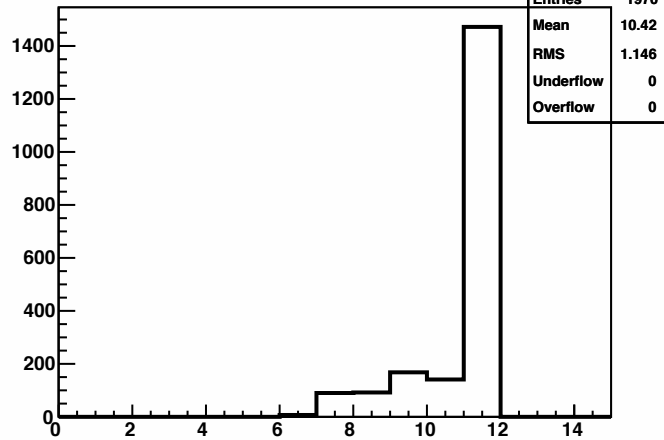
StE primtrk: N points on trk, ftpc east



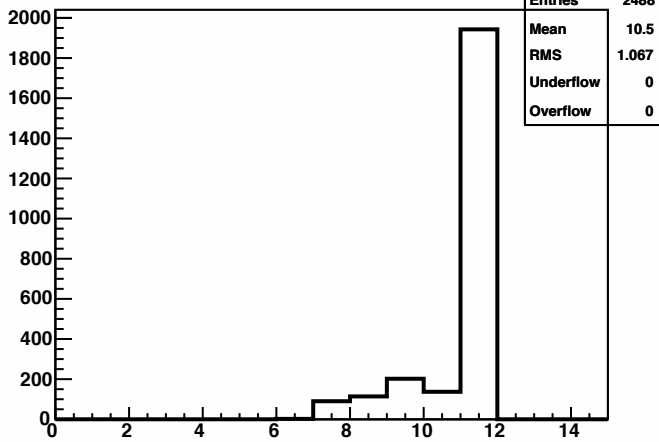
StE primtrk: N points on trk,ftpc west



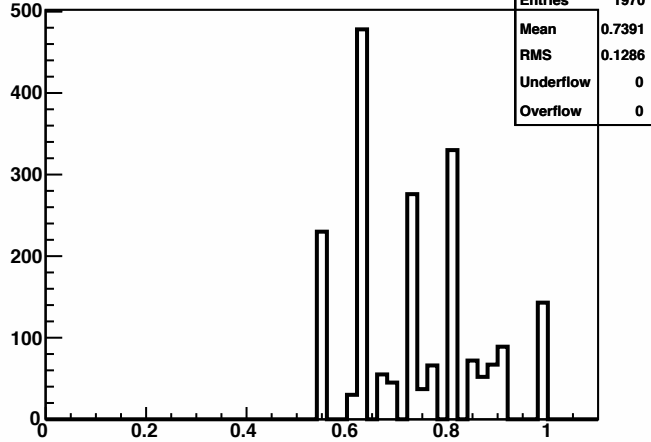
StE primtrk: N max pnts on trk, ftpc east



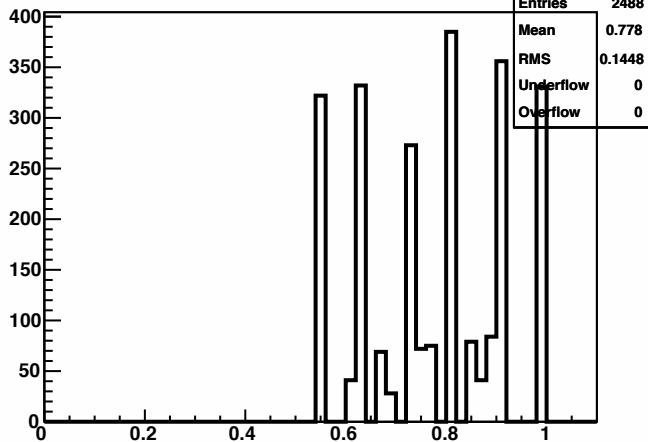
StE primtrk: N max pnts on trk, ftpc west



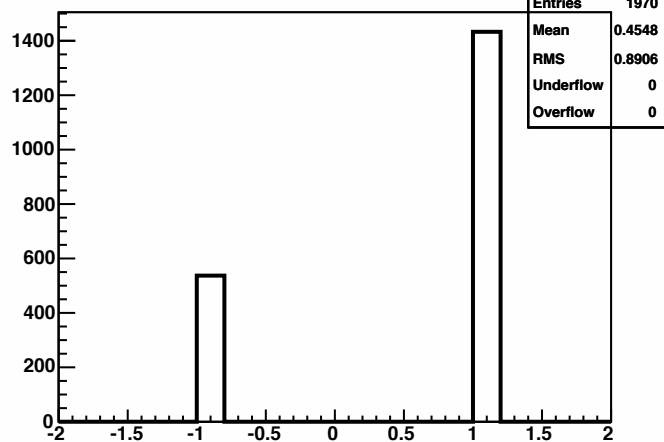
StE primtrk: ratio Nfit/max pnt, ftpc east



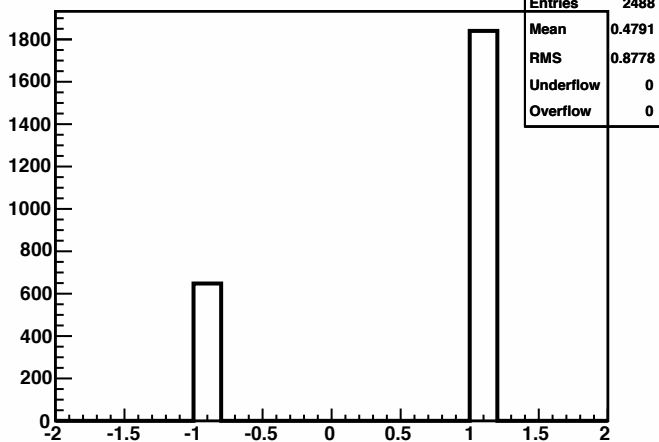
StE primtrk: ratio Nfit/max pnt, ftpc west



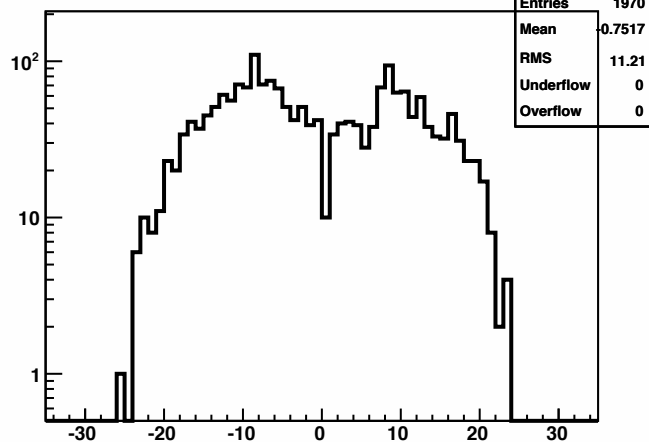
StE primtrk: charge, ftpc east



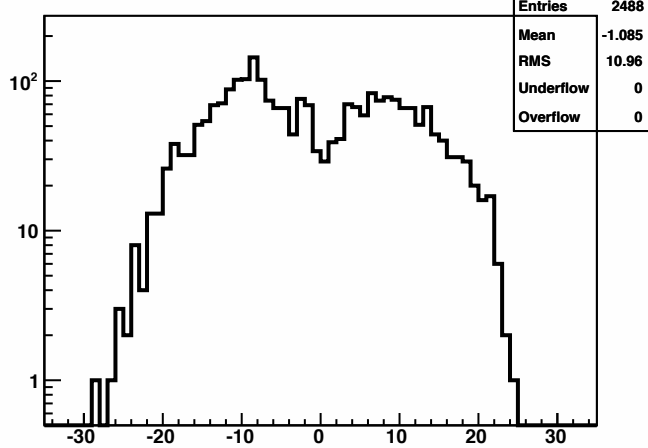
StE primtrk: charge, ftpc west



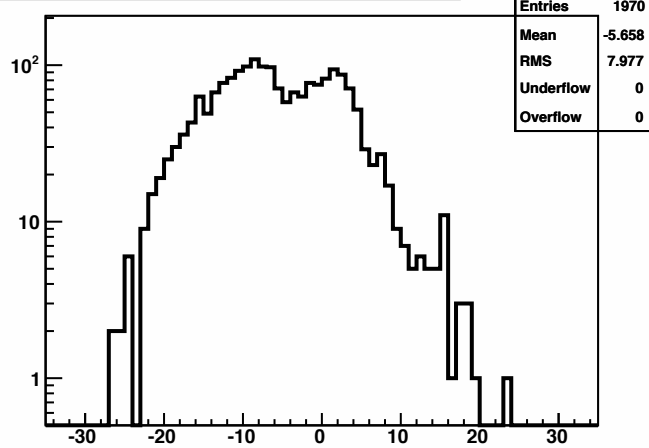
StE primtrk: x of first hit on trk, ftpc east



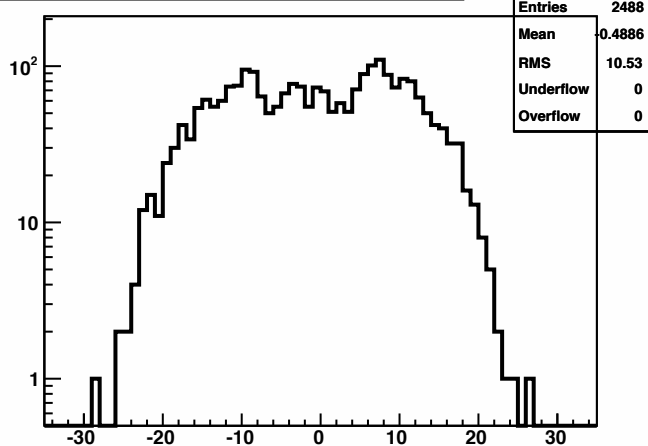
StE primtrk: x of first hit on trk, ftpc west



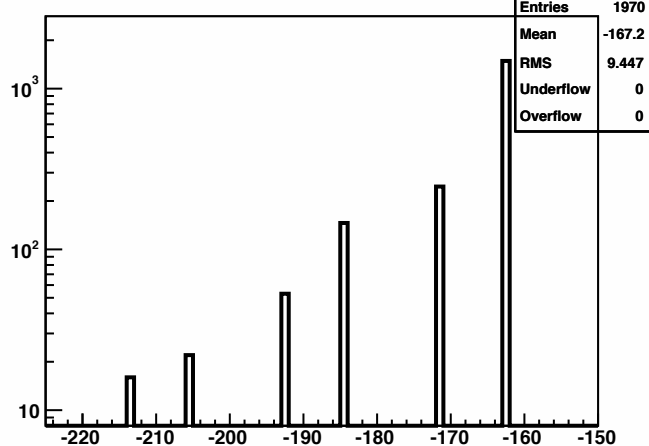
StE primtrk: y of first hit on trk, ftpc east



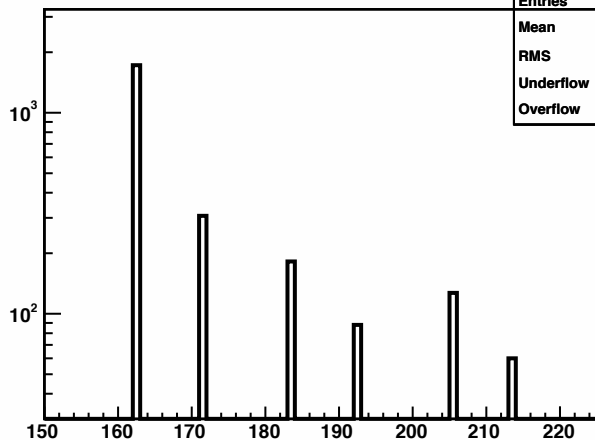
StE primtrk: y of first hit on trk, ftpc west



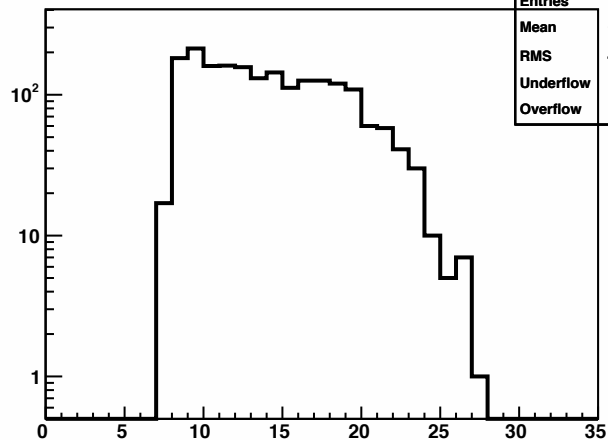
StE primtrk: z of first hit on trk, ftpc east



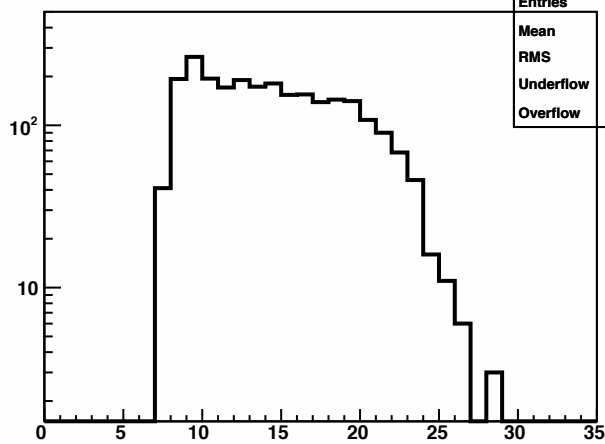
StE primtrk: z of first hit on trk, ftpc west



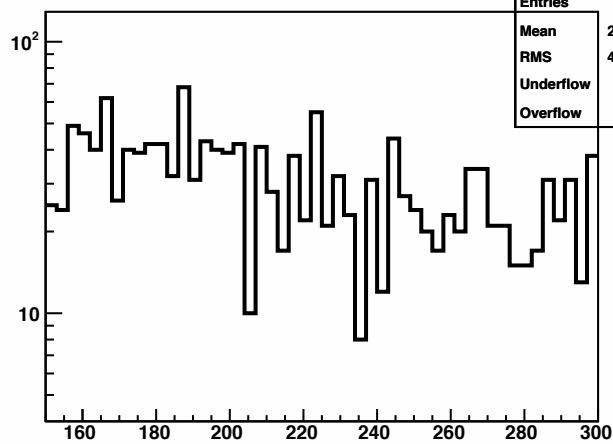
StE primtrk: radial position of first hit, ftpc east



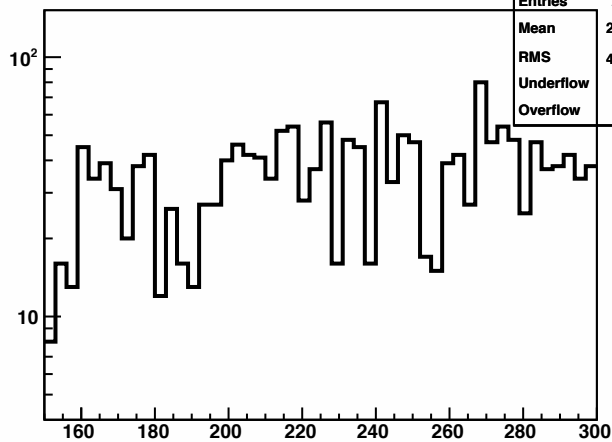
StE primtrk: radial position of first hit, ftpc west



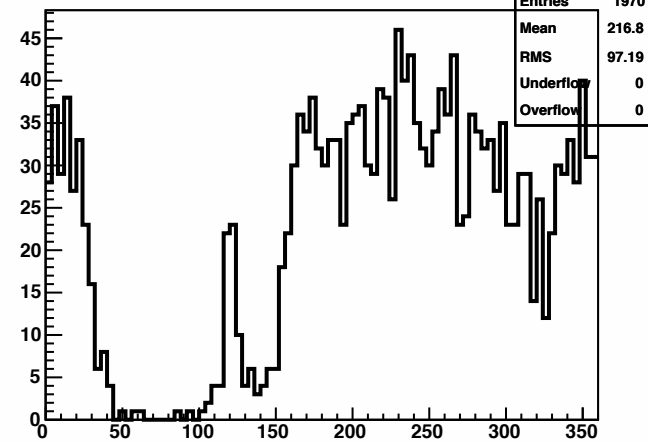
StE primtrk: track length, ftpc east



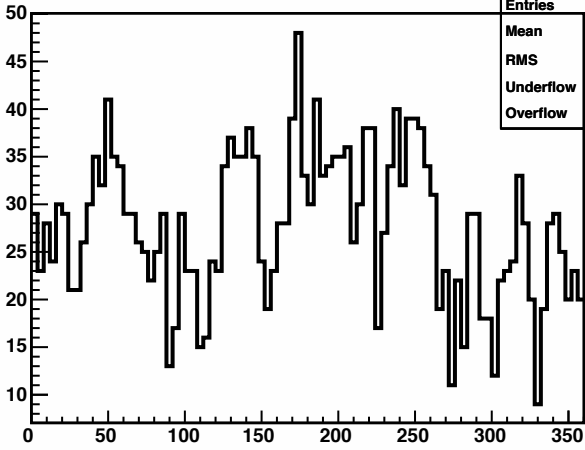
StE primtrk: track length, ftpc west



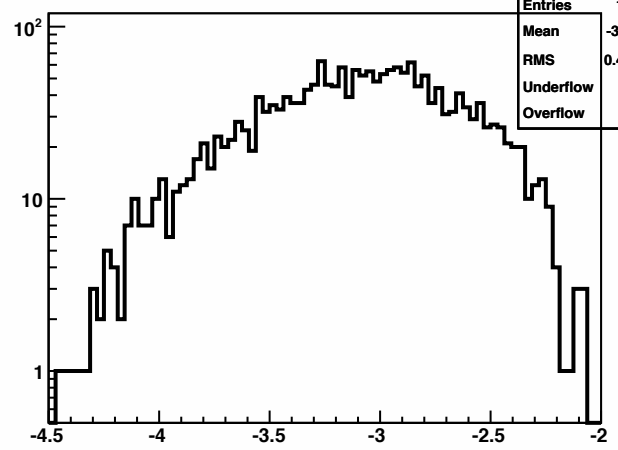
StE primtrk: psi, ftpc east



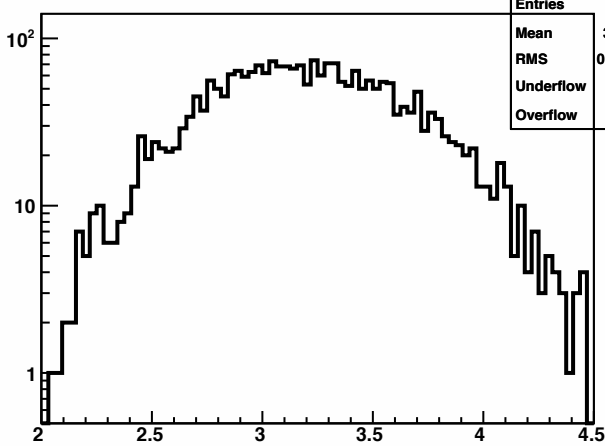
StE primtrk: psi, ftpc west



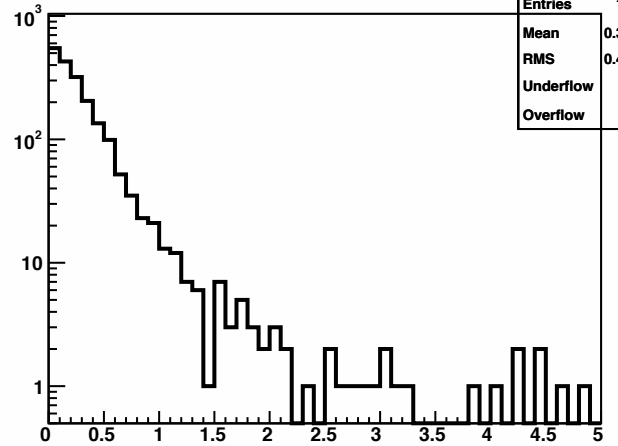
StE primtrk: eta, ftpc east



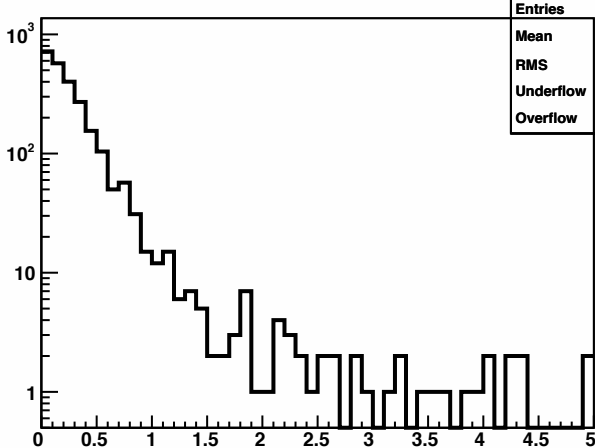
StE primtrk: eta, ftpc west



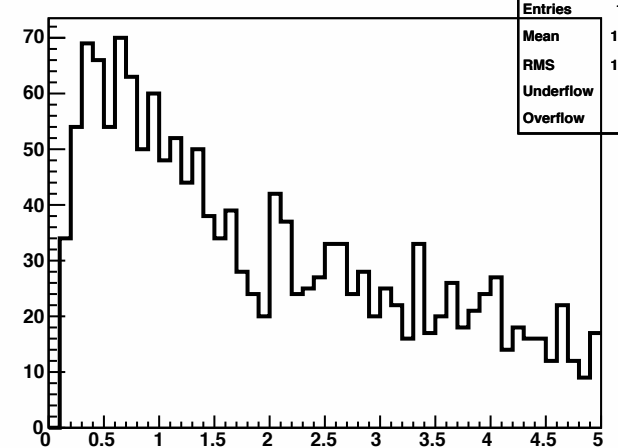
StE primtrk: pT, ftpc east



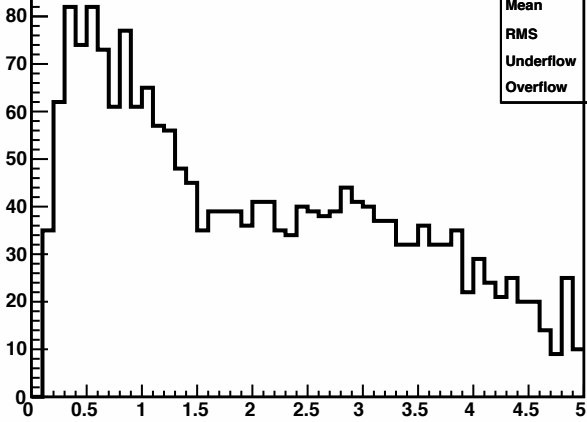
StE primtrk: pT, ftpc west



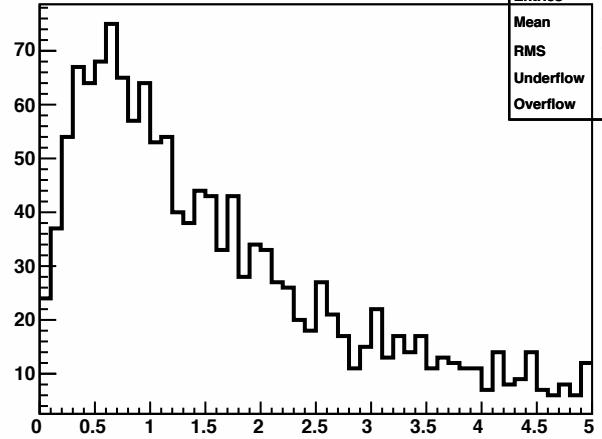
StE primtrk: momentum, ftpc east



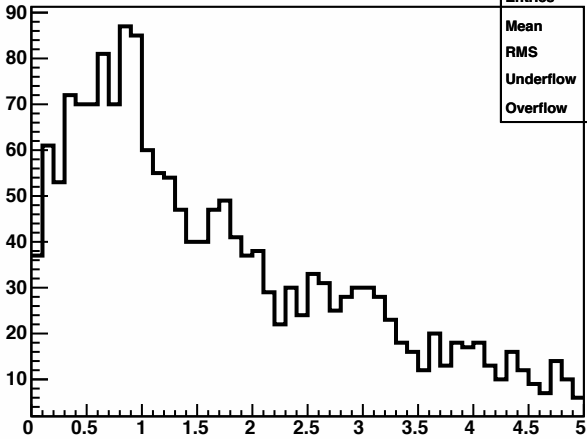
StE primtrk: momentum, ftpc west



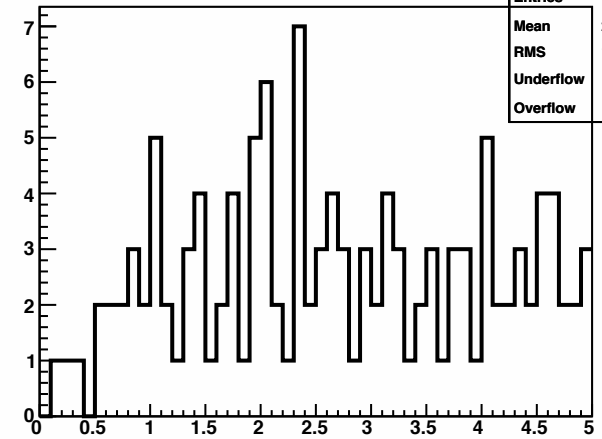
StE primtrk: chi2/ndf x,y fit, ftpc east



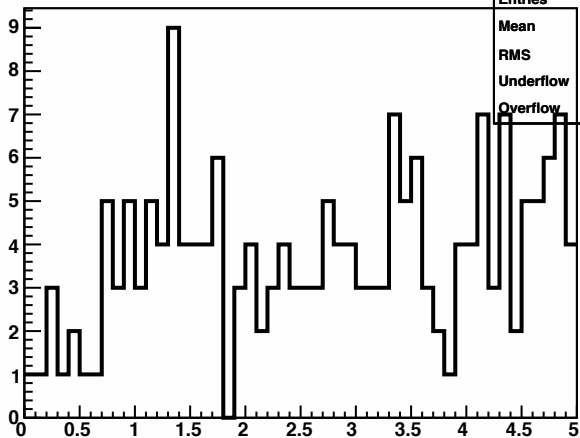
StE primtrk: chi2/ndf x,y fit, ftpc west



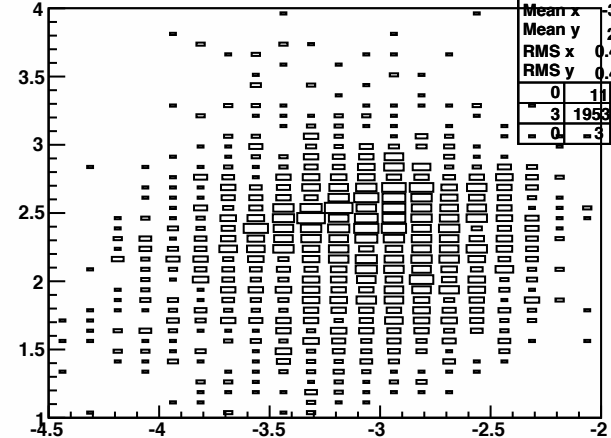
StE primtrk: chi2/ndf r,z fit, ftpc east



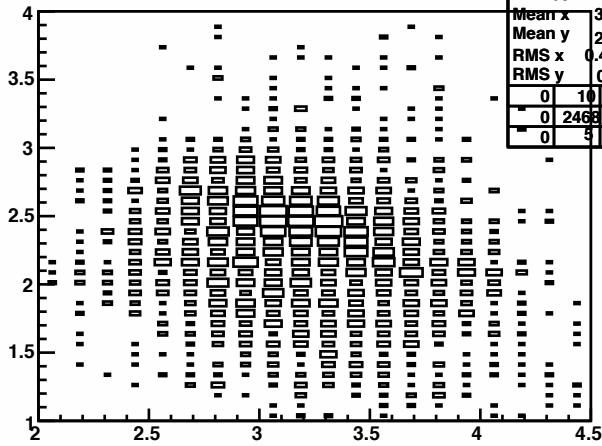
StE primtrk: chi2/ndf r,z fit, ftpc west



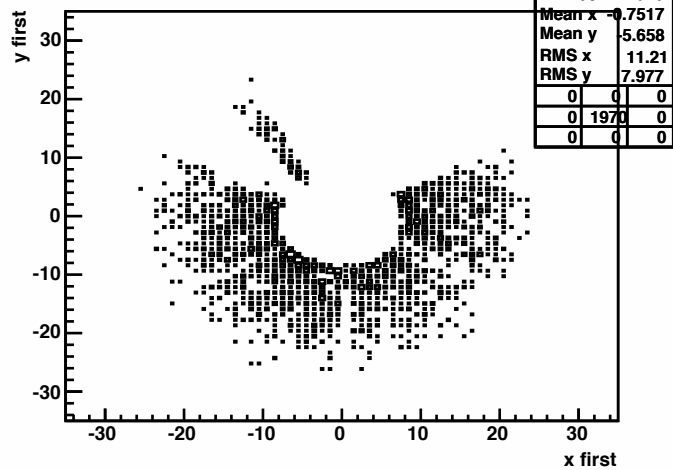
StE primtrk: log10 pT vs eta, ftpcE



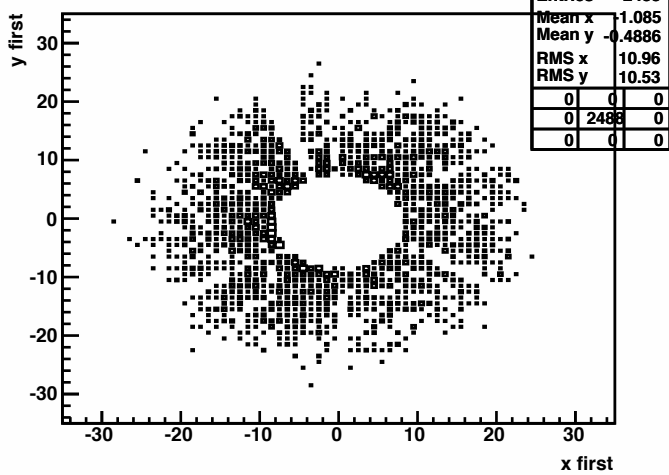
StE primtrk: log10 pT vs eta, ftpcW



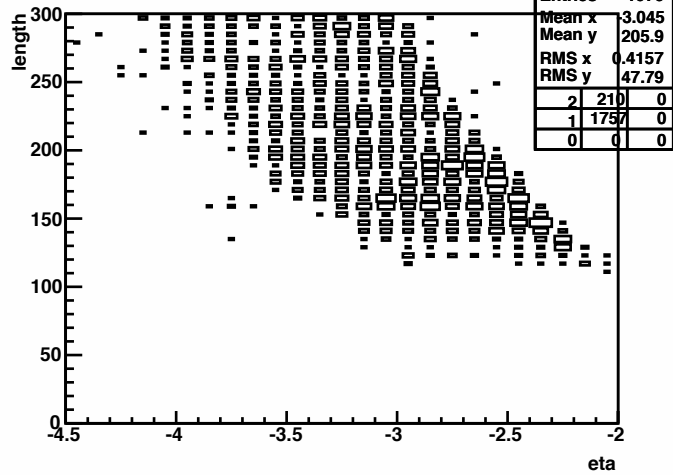
StE primtrk: Y vs X of first hit on trk, ftpcE



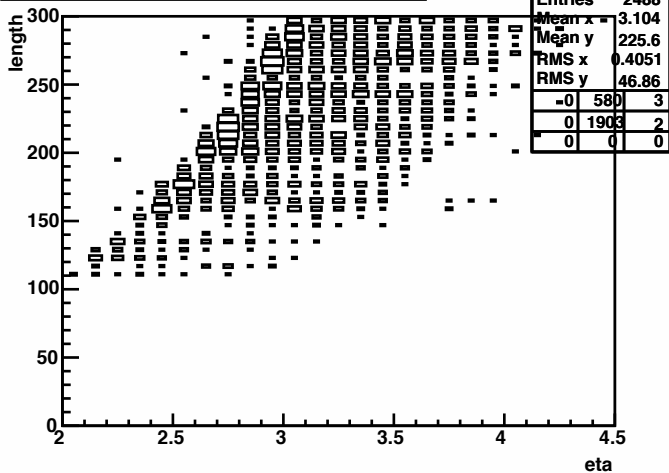
StE primtrk: Y vs X of first hit on trk, ftpcW



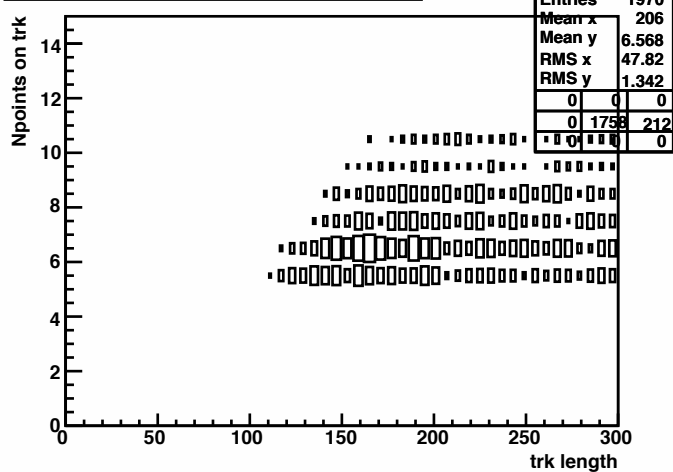
StE primtrk: trk length vs eta, ftpcE



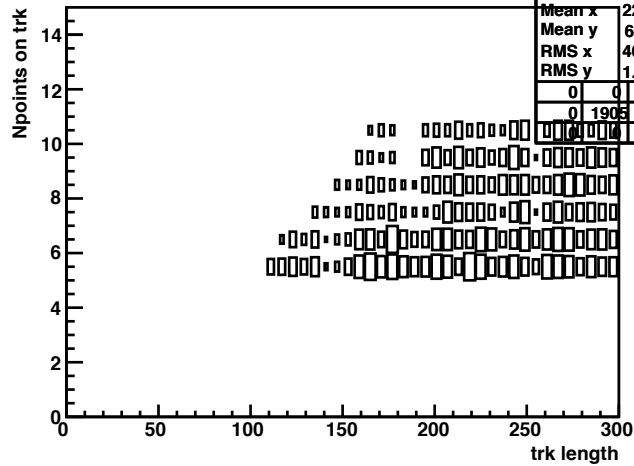
StE primtrk: trk length vs eta, ftpcW



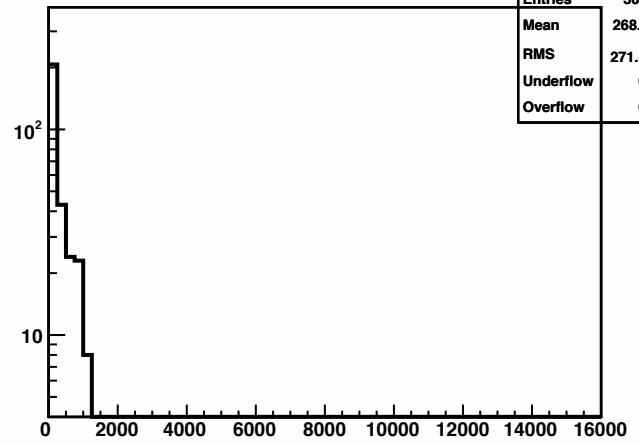
StE primtrk: N pnts vs length, ftpcE



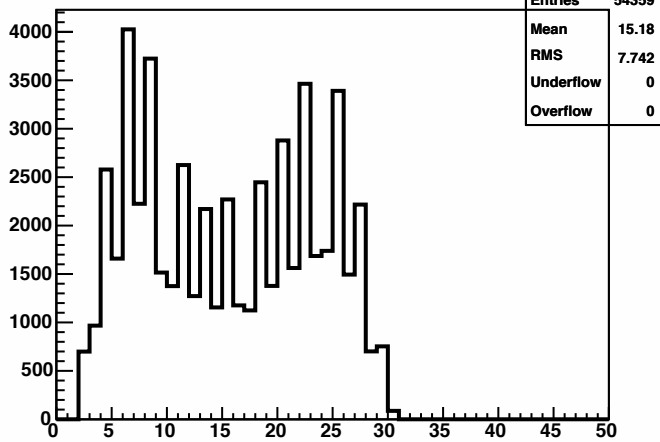
StE primtrk: N pnts vs length, ftpcW



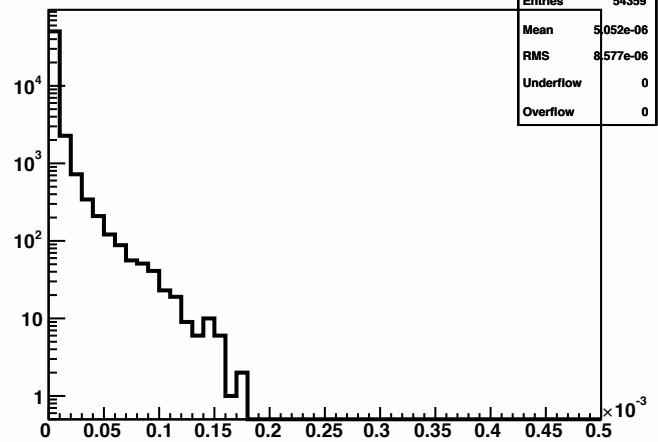
StE dedx: number of tracks



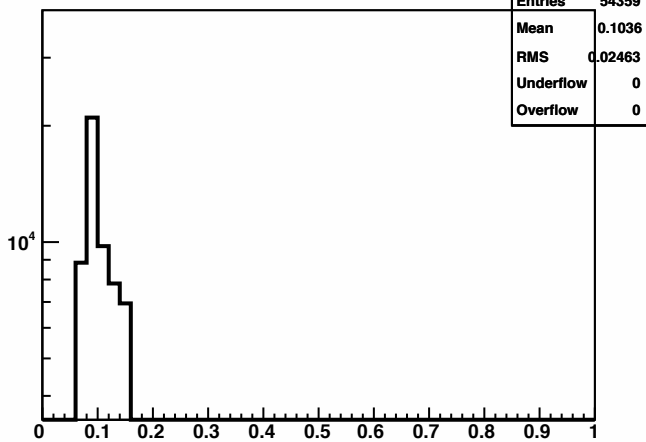
StE dedx: number of point to define dE/dx, tpc



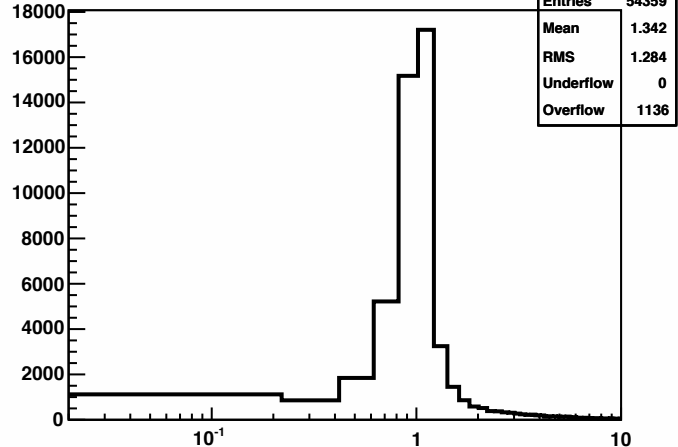
StE dedx: dE/dx mean (GeV/cm), tpc



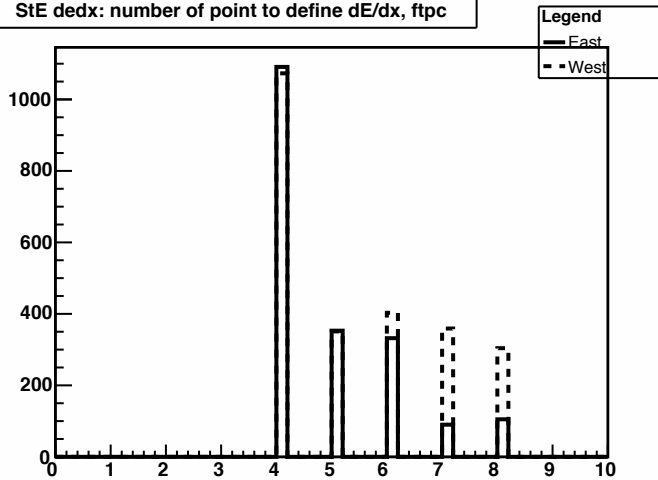
StE dedx: dE/dx error on mean, tpc



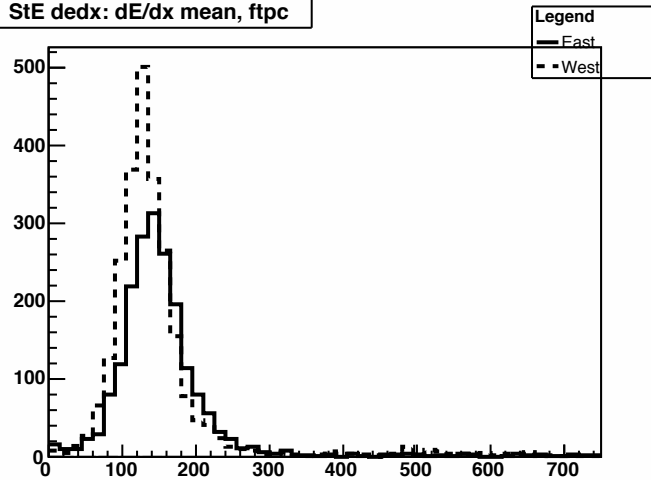
StE dedx: ratio <dE/dx> mean to Bethe Bloch <dE/dx>, tpc,tpc+svt



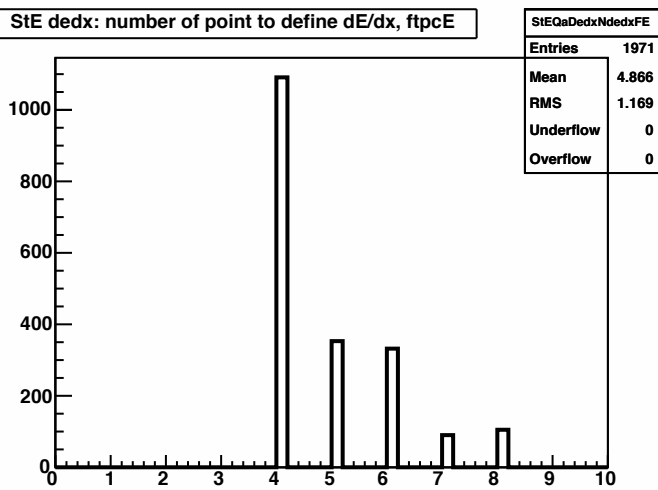
StE dedx: number of point to define dE/dx, ftpc



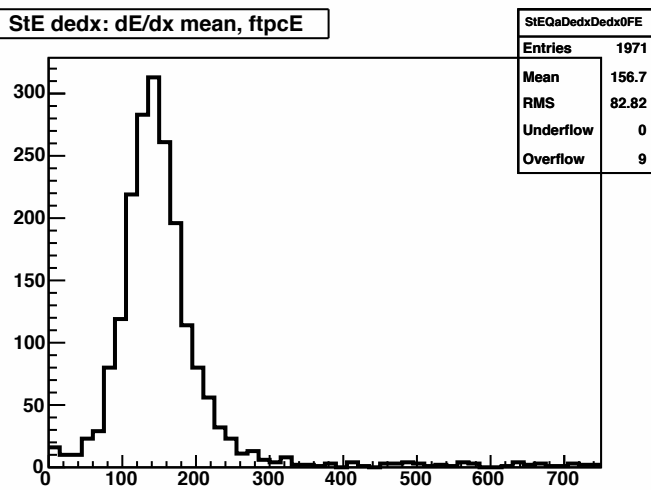
StE dedx: dE/dx mean, ftpc



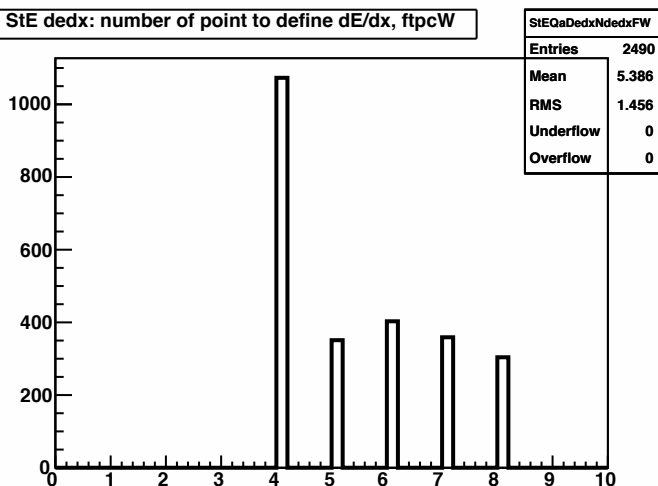
StE dedx: number of point to define dE/dx, ftpcE



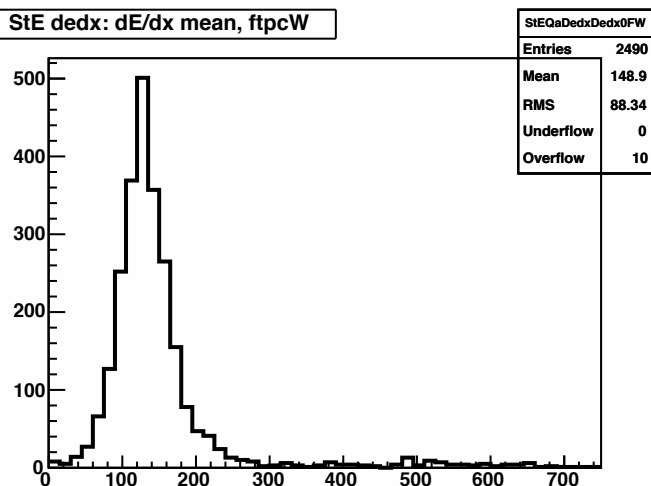
StE dedx: dE/dx mean, ftpcE



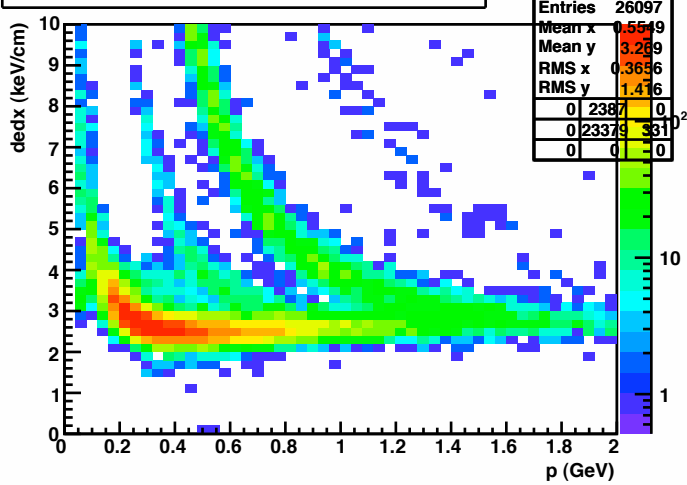
StE dedx: number of point to define dE/dx, ftpcW



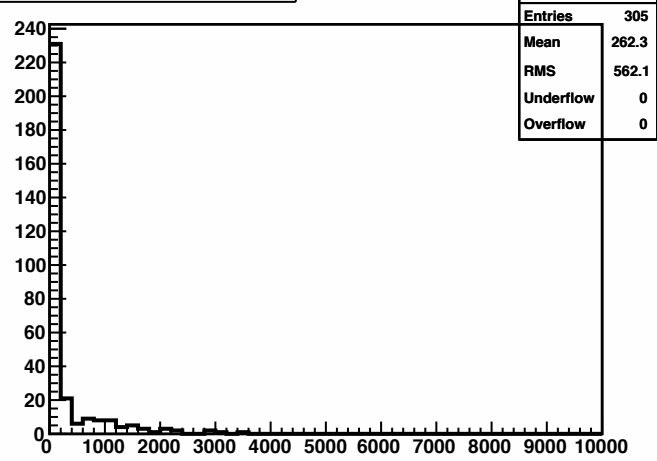
StE dedx: dE/dx mean, ftpcW



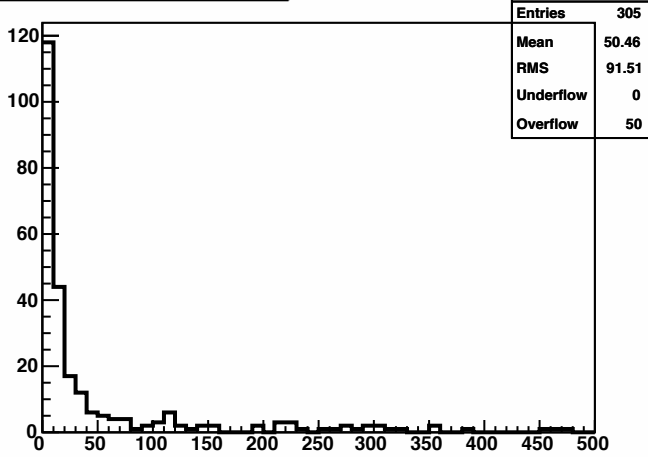
StE PID: globtrk-dst_dedx, p vs dedx (reconstructed)



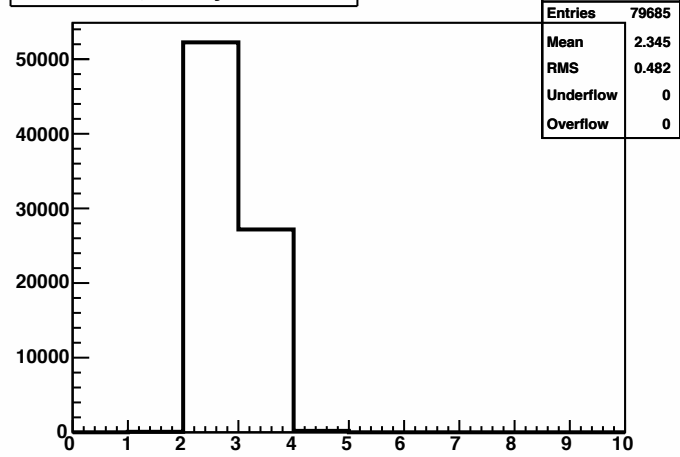
StE vertex: num vertices



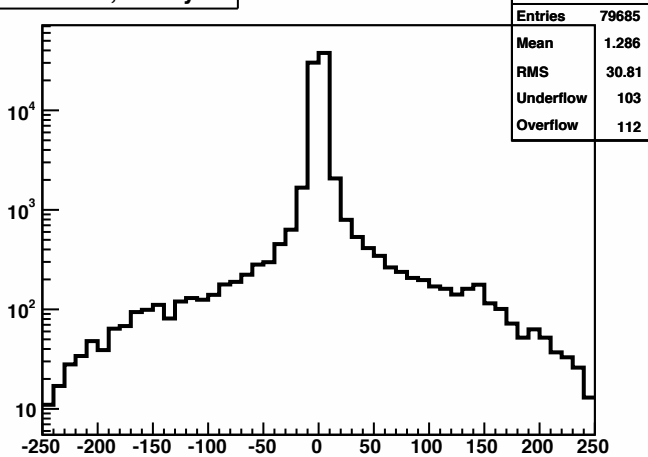
StE vertex: num vertices



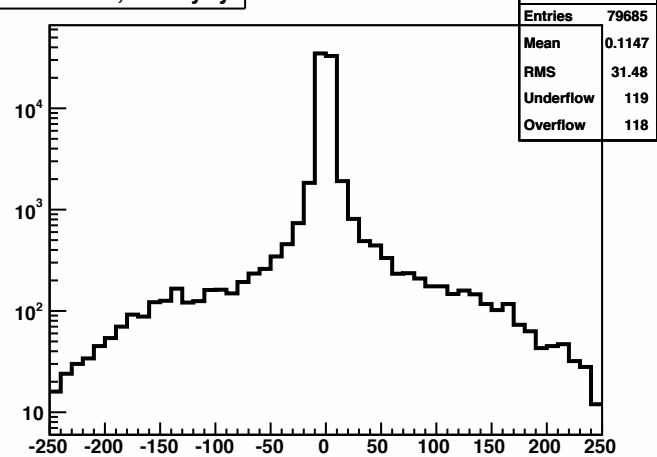
StE vertex,2ndary: Vertex ID



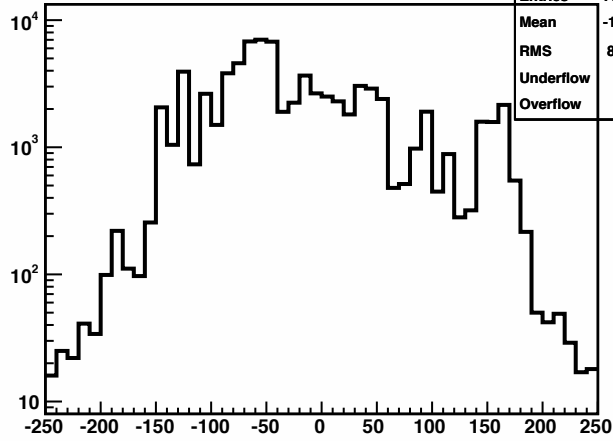
StE vertex,2ndary: x



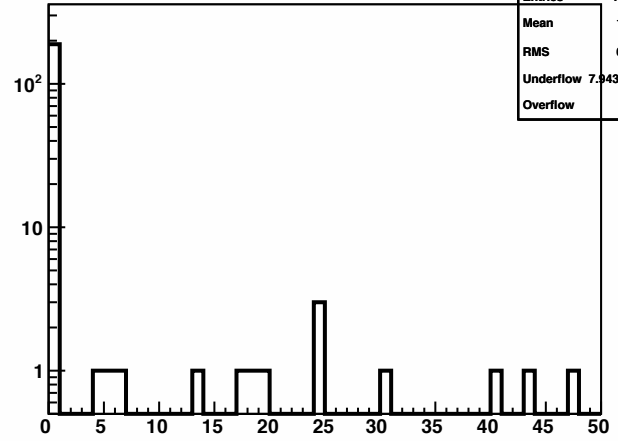
StE vertex,2ndary: y



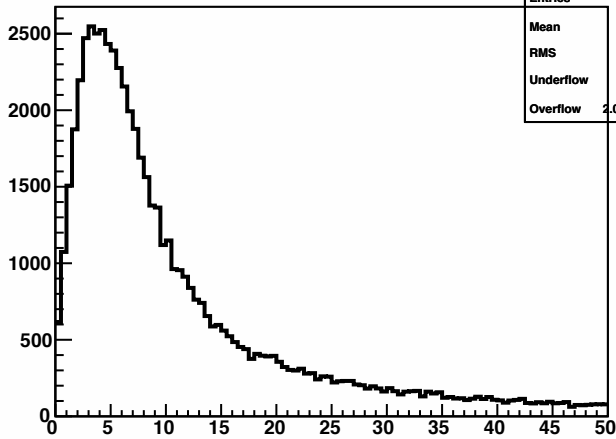
StE vertex,2ndary: z



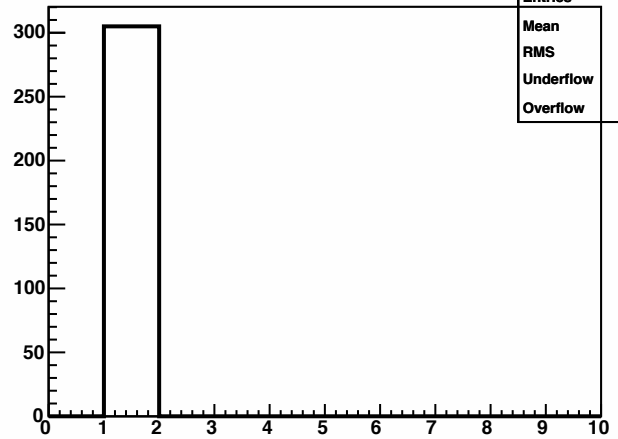
StE vertex,2ndary: chisq/dof



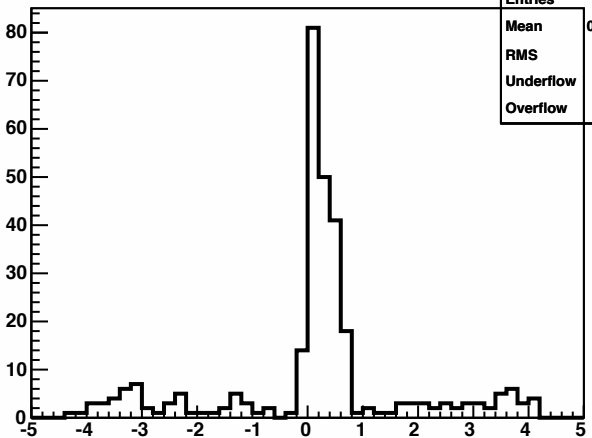
StE vertex,2ndary: r



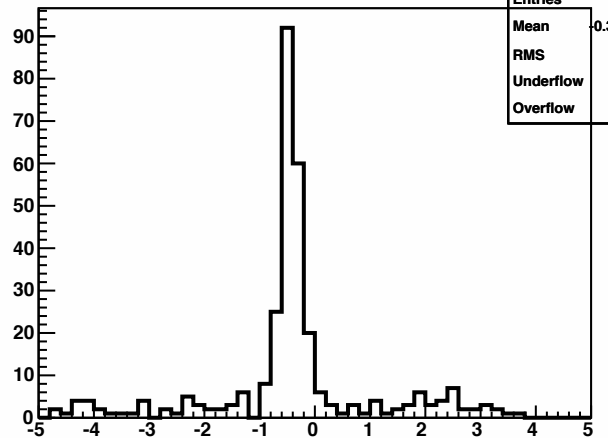
StE vertex,prim: Vertex ID



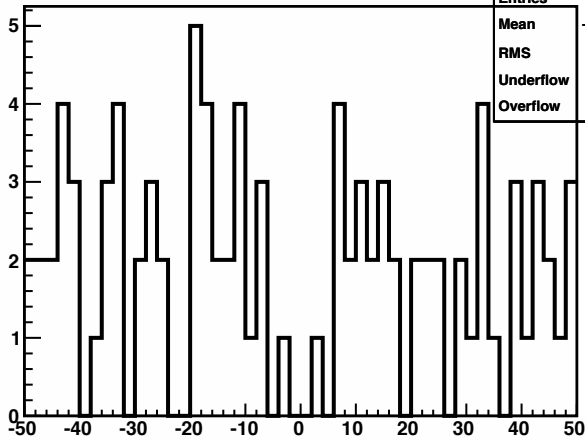
StE vertex,prim: x



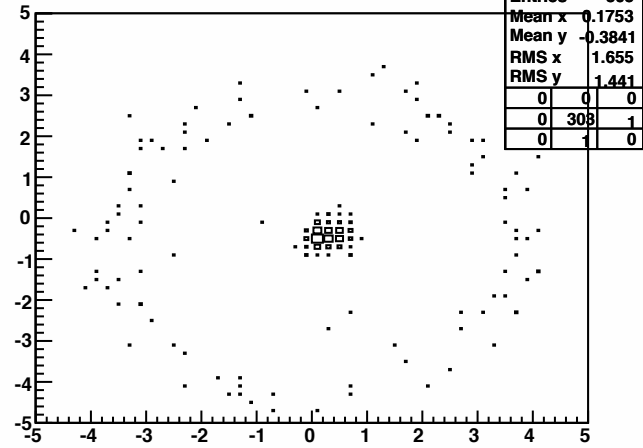
StE vertex,prim: y



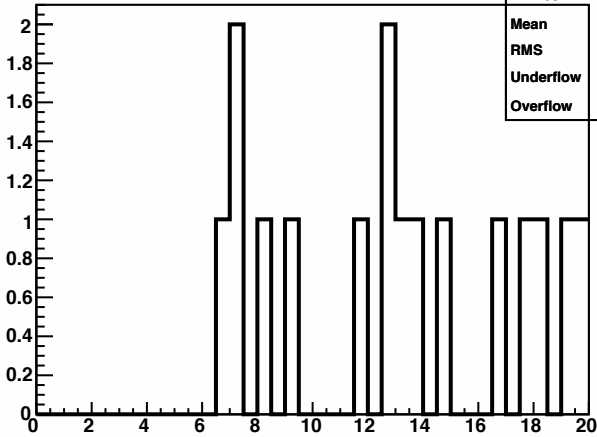
StE vertex,prim: z



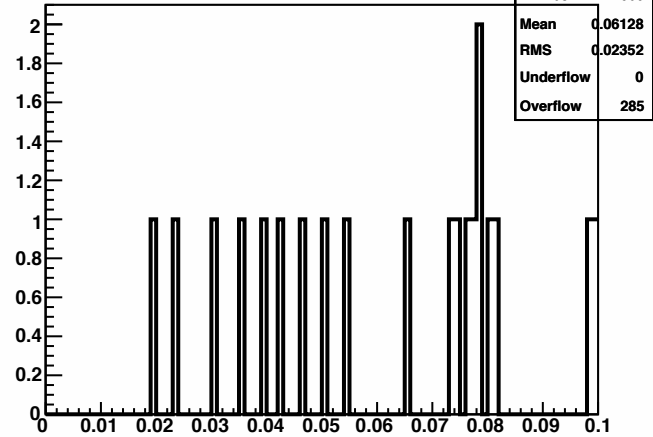
StE vertex,prim: x versus y



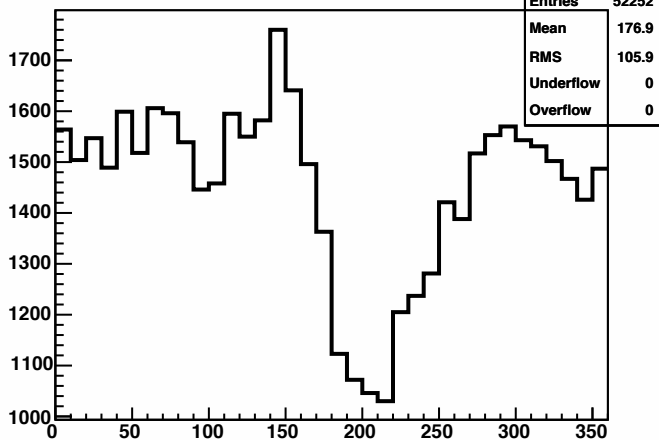
StE vertex,prim: chisq/dof



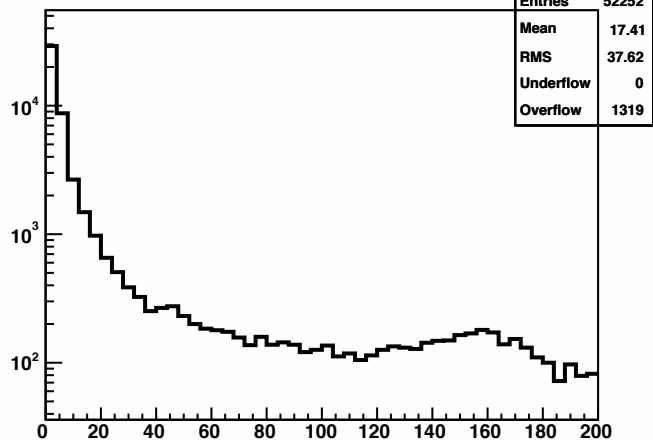
StE vertex,prim: r



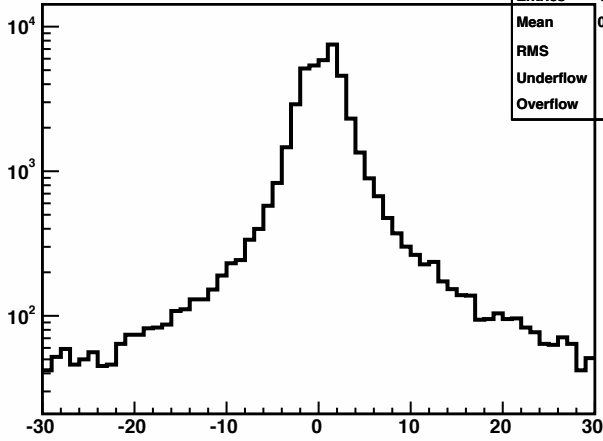
StE V0 azimuthal distribution relative to primvtx



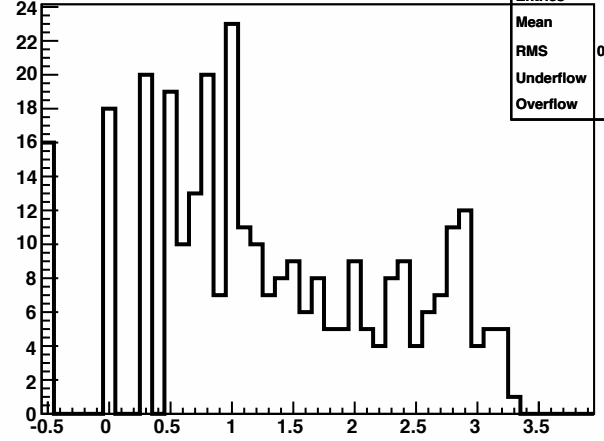
StE V0 radial distribution relative to primvtx



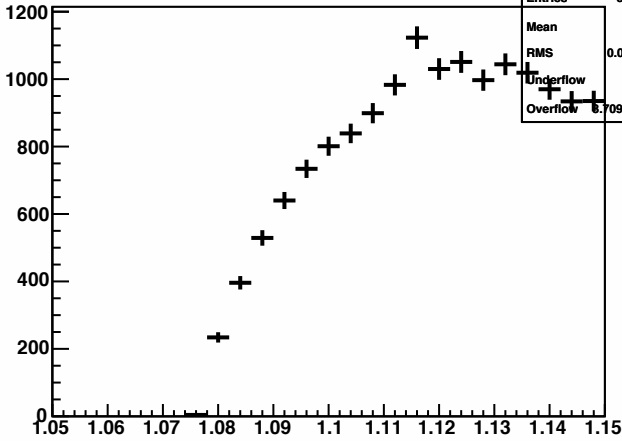
StE V0 Z distribution relative to primvtx



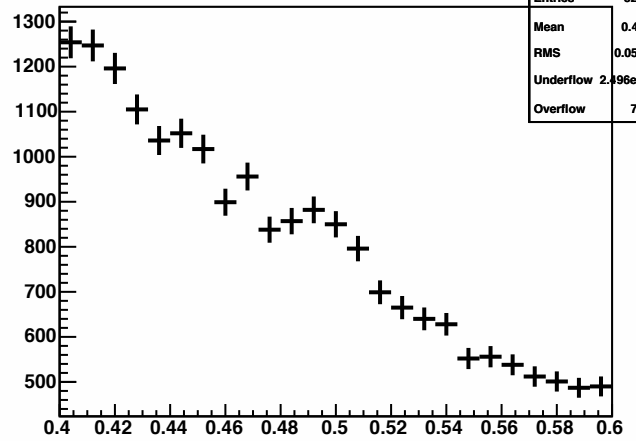
StE log10 total V0s (0 => -0.5)



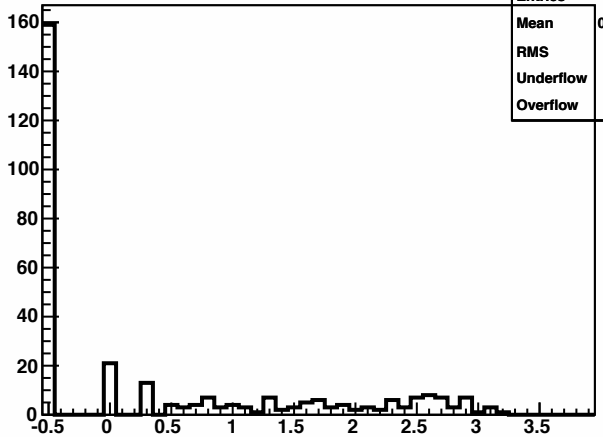
StE V0: Lambda mass



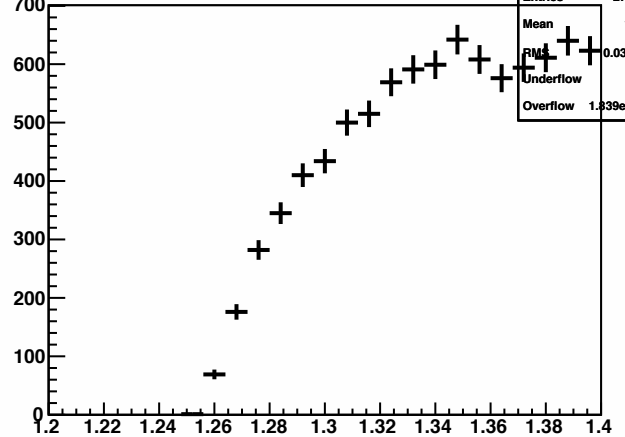
StE V0: k0 mass



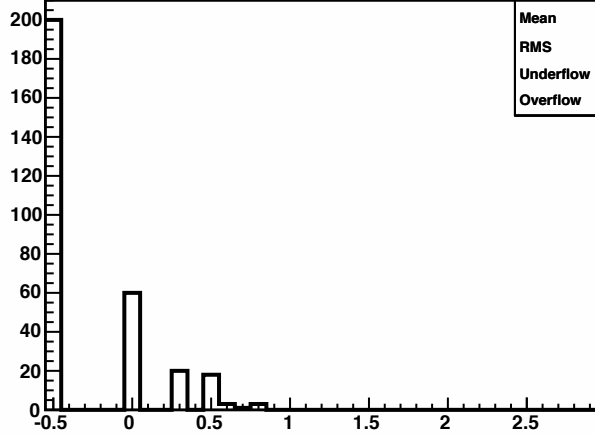
StE log10 total Xis (0 => -0.5)



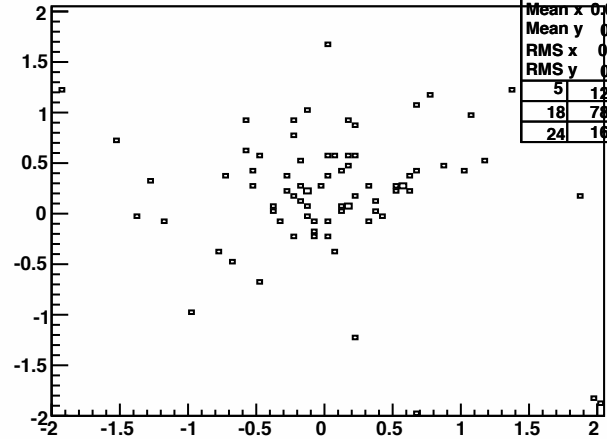
StE Xi: Xi mass



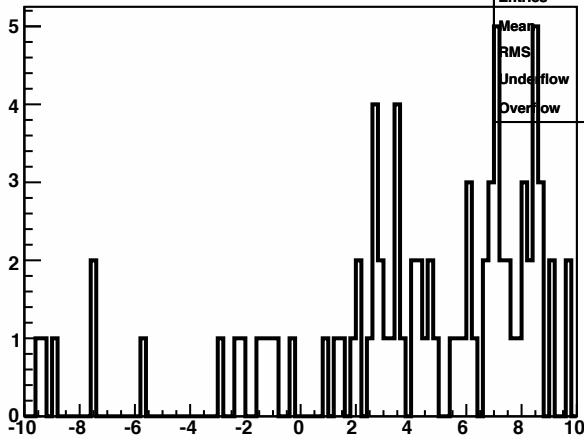
StE log10 total kinks (0 => -0.5)



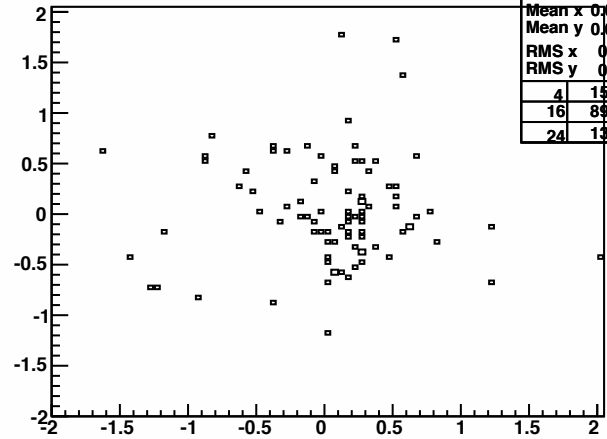
StE vertex,prim: x(ftpcE)-x(tpc) vs y(ftpcE)-y(tpc)



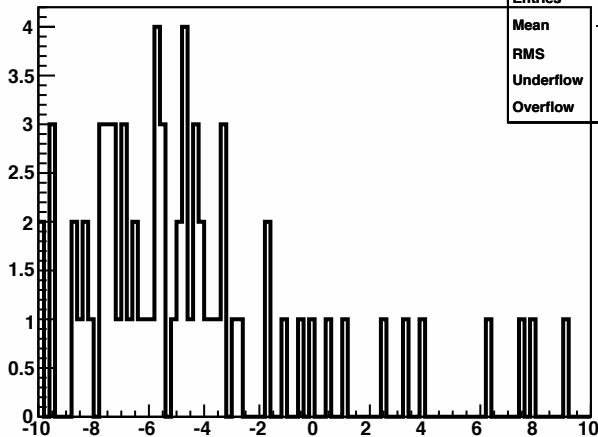
StE vertex,prim: z(ftpcE)-z(tpc)



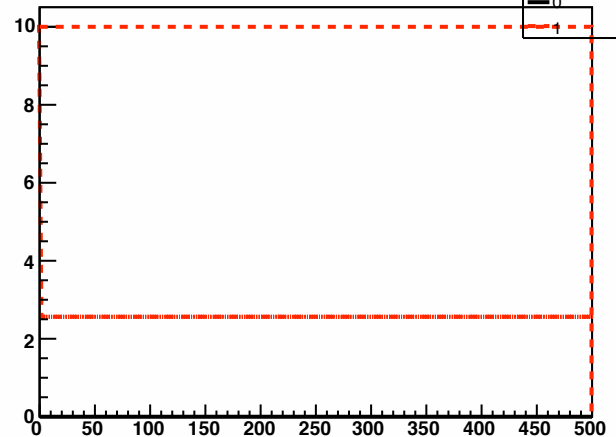
StE vertex,prim: x(ftpcW)-x(tpc) vs y(ftpcW)-y(tpc)



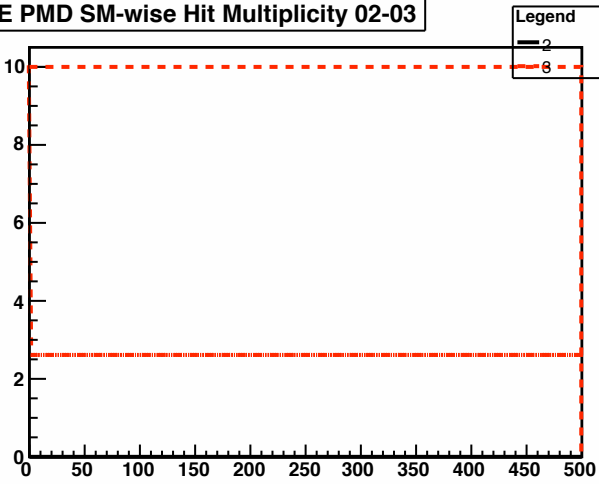
StE vertex,prim: z(ftpcW)-z(tpc)



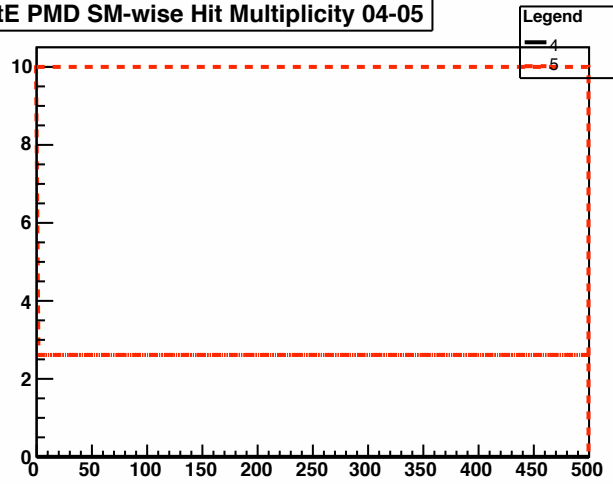
StE PMD SM-wise Hit Multiplicity 00-01



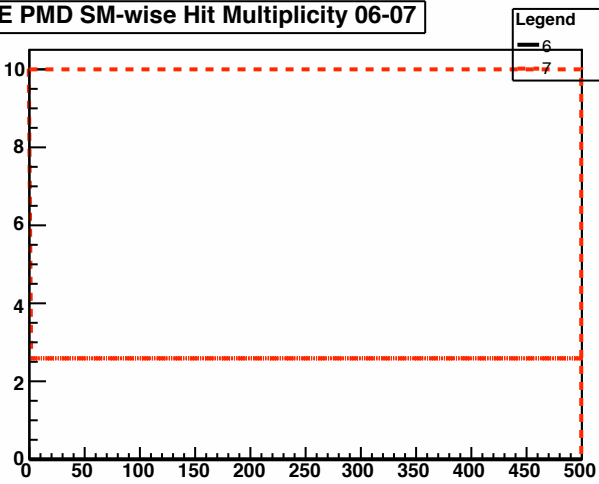
StE PMD SM-wise Hit Multiplicity 02-03



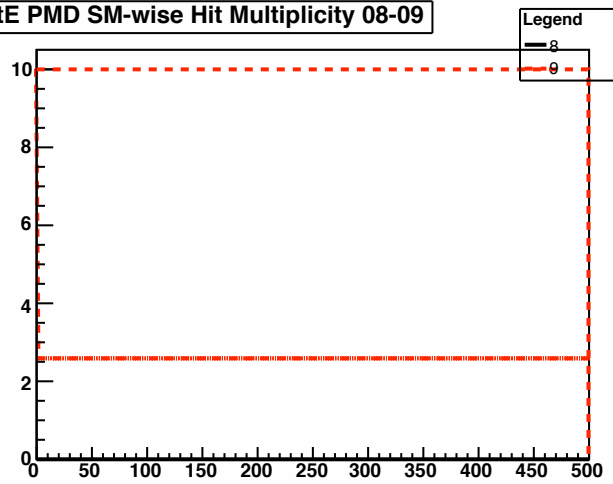
StE PMD SM-wise Hit Multiplicity 04-05



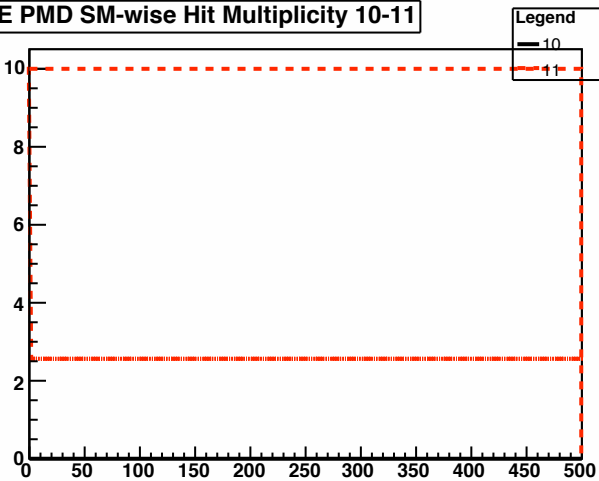
StE PMD SM-wise Hit Multiplicity 06-07



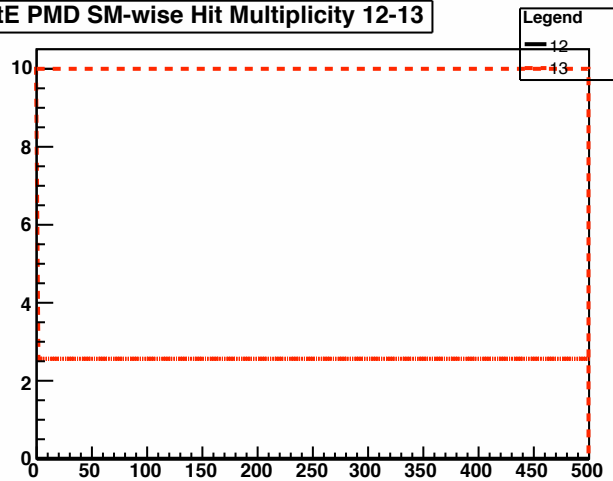
StE PMD SM-wise Hit Multiplicity 08-09



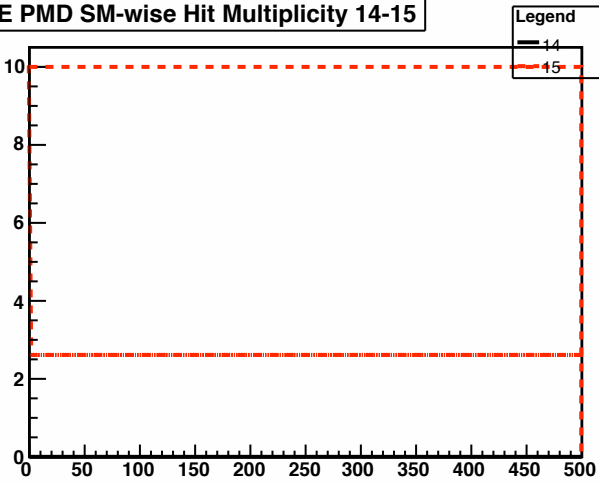
StE PMD SM-wise Hit Multiplicity 10-11



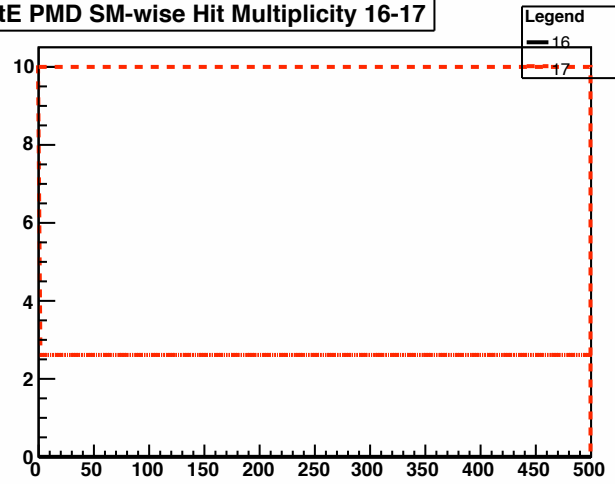
StE PMD SM-wise Hit Multiplicity 12-13



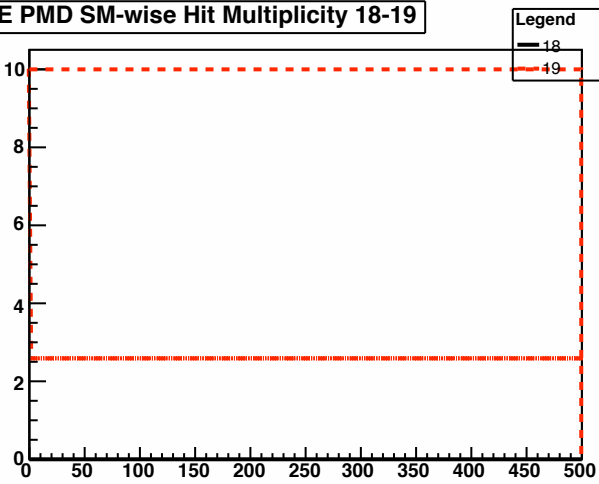
StE PMD SM-wise Hit Multiplicity 14-15



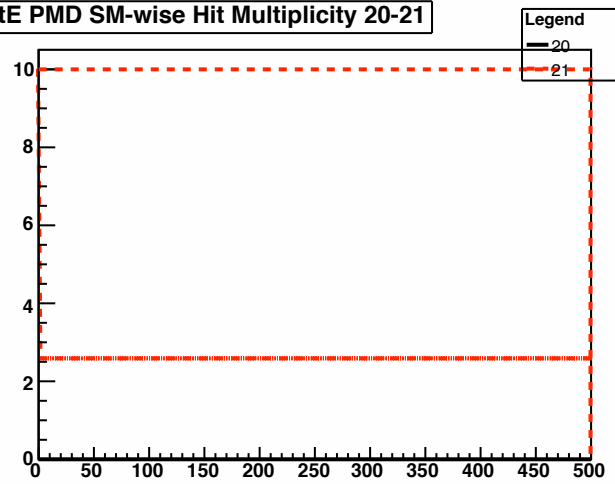
StE PMD SM-wise Hit Multiplicity 16-17



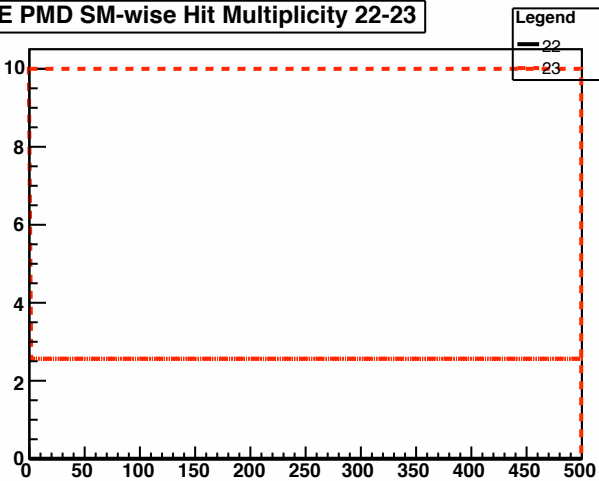
StE PMD SM-wise Hit Multiplicity 18-19



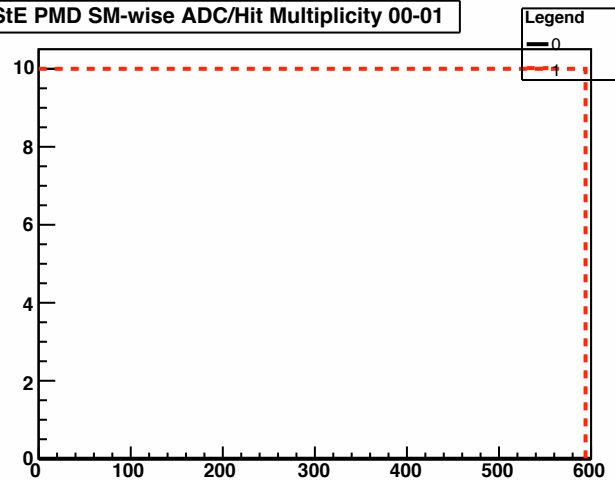
StE PMD SM-wise Hit Multiplicity 20-21



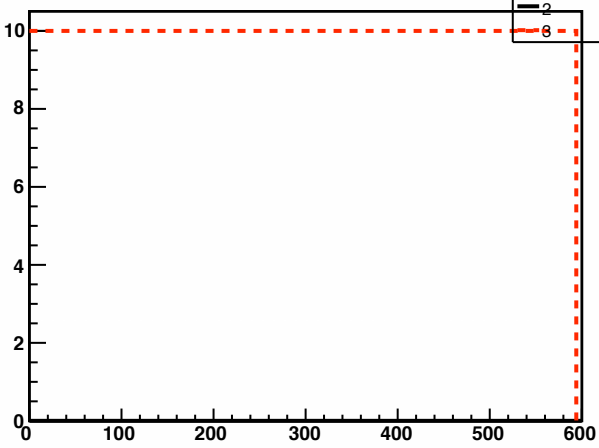
StE PMD SM-wise Hit Multiplicity 22-23



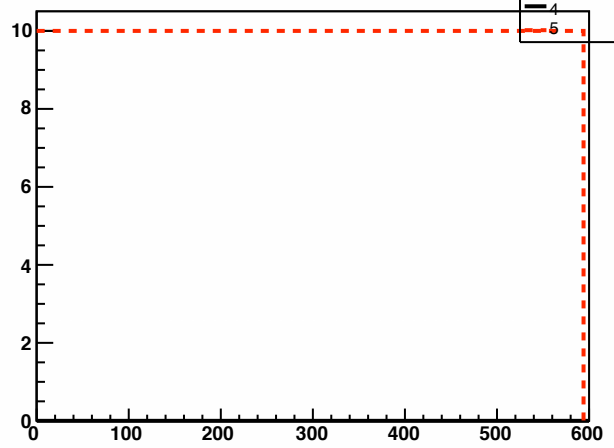
StE PMD SM-wise ADC/Hit Multiplicity 00-01



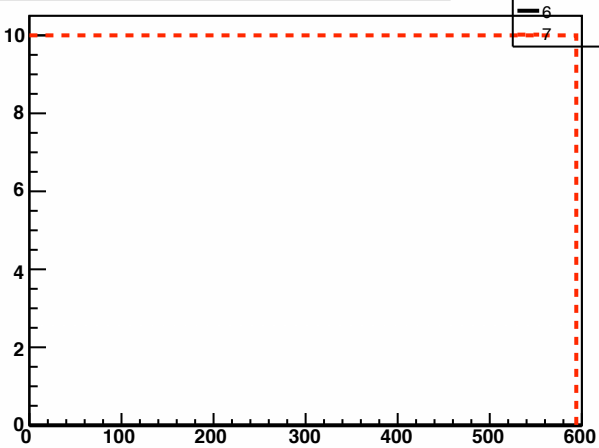
StE PMD SM-wise ADC/Hit Multiplicity 02-03



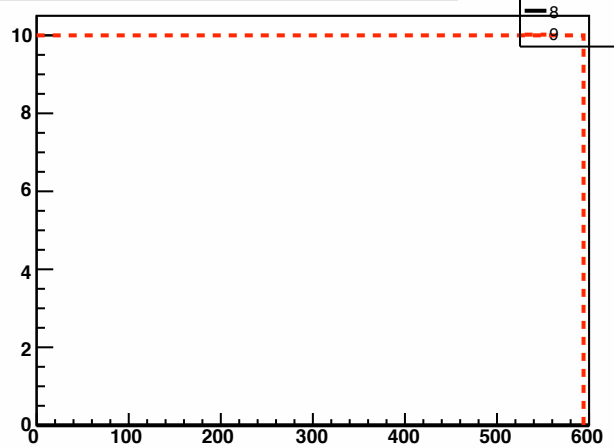
StE PMD SM-wise ADC/Hit Multiplicity 04-05



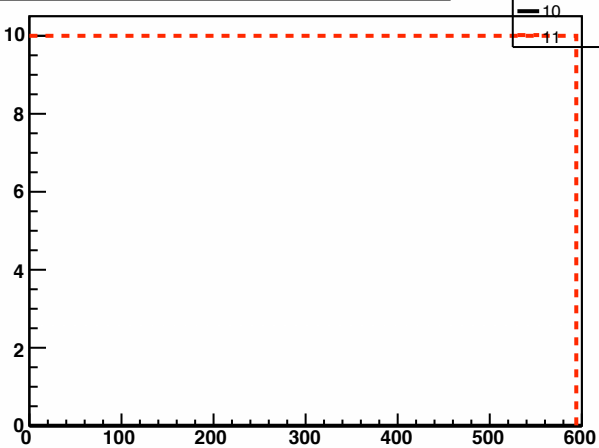
StE PMD SM-wise ADC/Hit Multiplicity 06-07



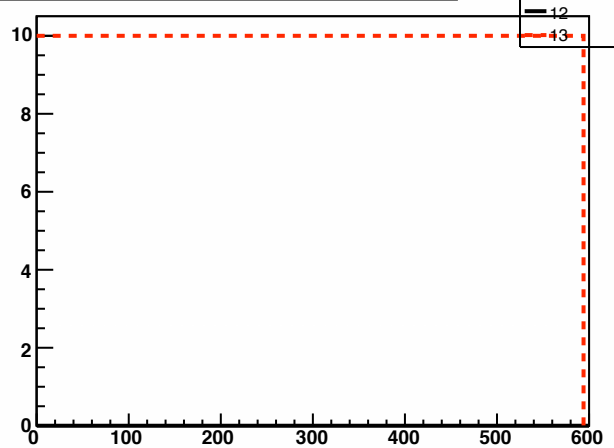
StE PMD SM-wise ADC/Hit Multiplicity 08-09



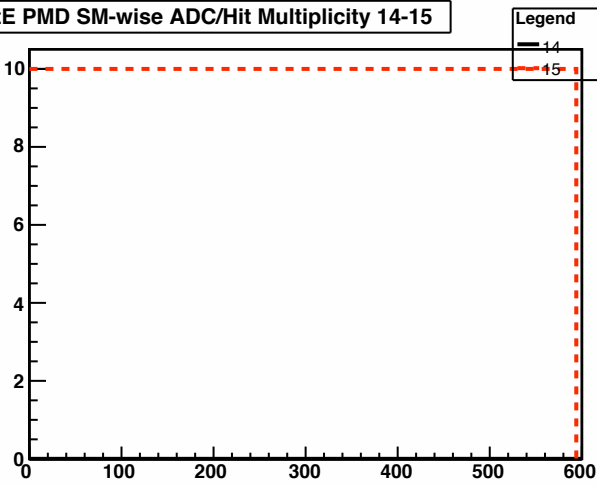
StE PMD SM-wise ADC/Hit Multiplicity 10-11



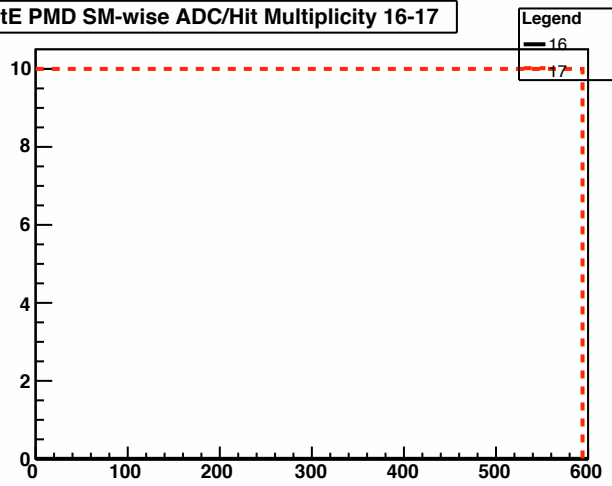
StE PMD SM-wise ADC/Hit Multiplicity 12-13



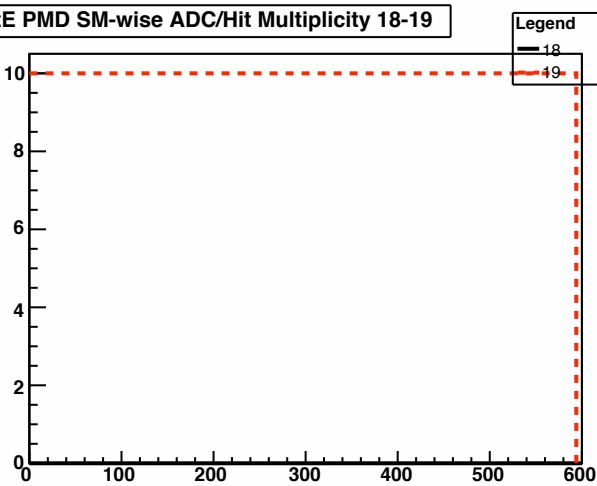
StE PMD SM-wise ADC/Hit Multiplicity 14-15



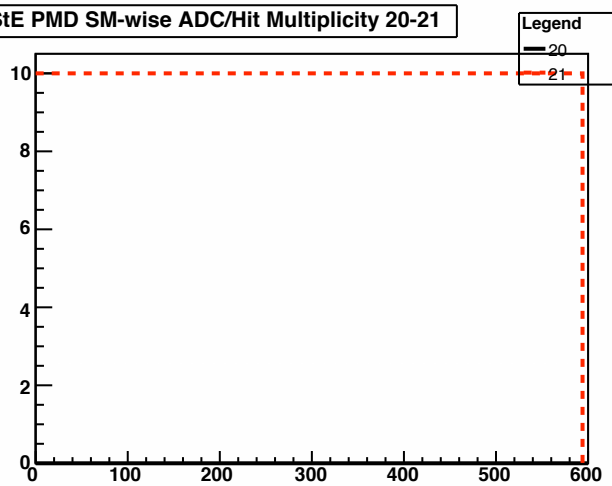
StE PMD SM-wise ADC/Hit Multiplicity 16-17



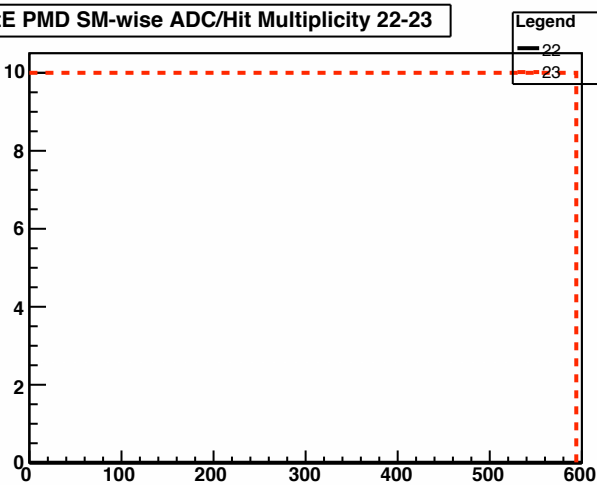
StE PMD SM-wise ADC/Hit Multiplicity 18-19



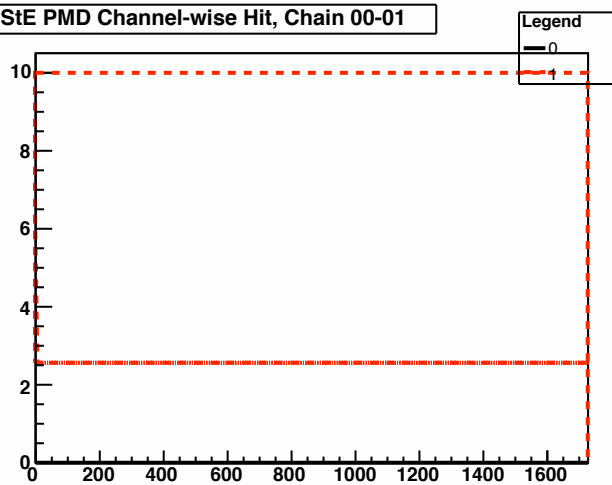
StE PMD SM-wise ADC/Hit Multiplicity 20-21



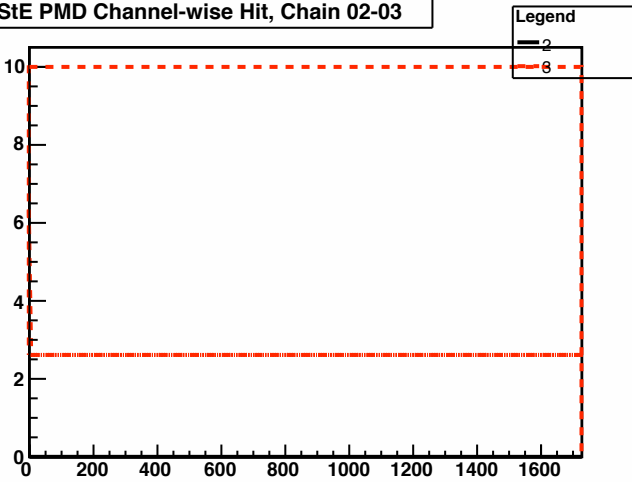
StE PMD SM-wise ADC/Hit Multiplicity 22-23



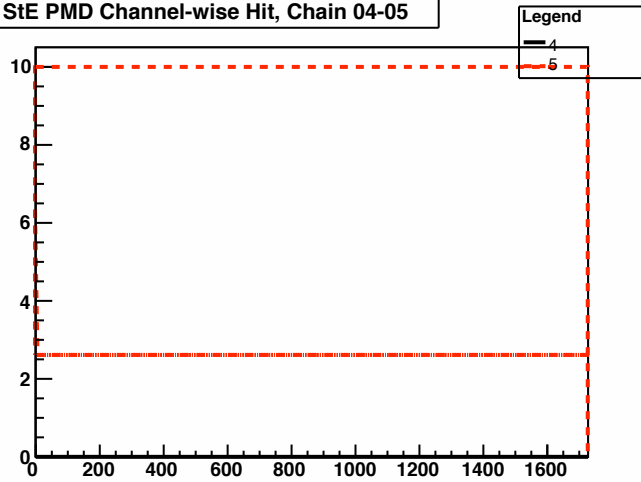
StE PMD Channel-wise Hit, Chain 00-01



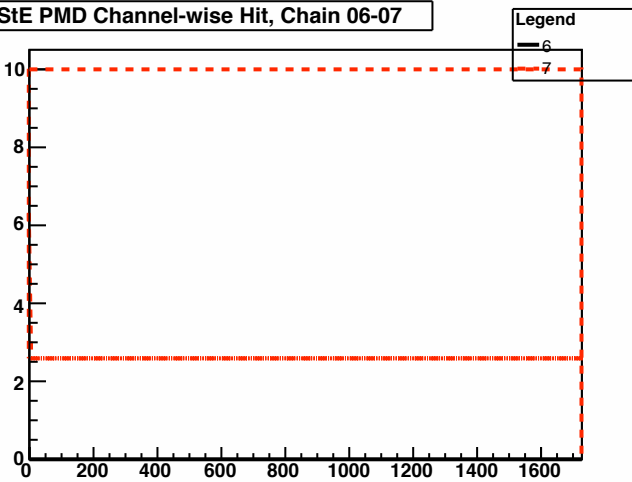
StE PMD Channel-wise Hit, Chain 02-03



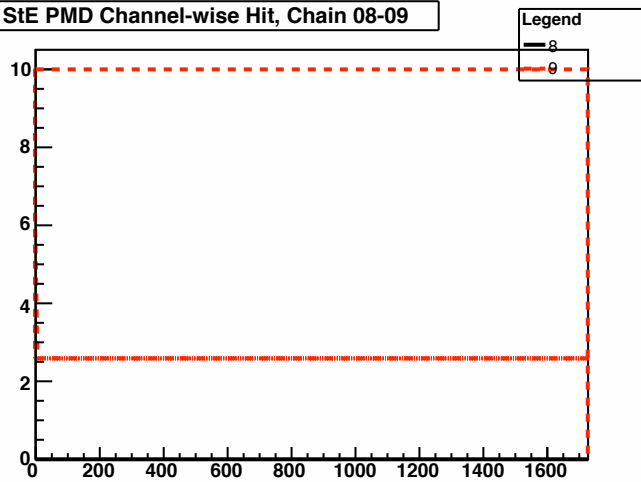
StE PMD Channel-wise Hit, Chain 04-05



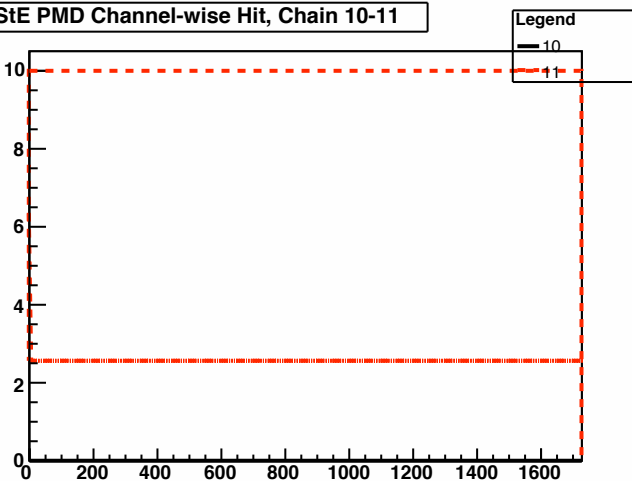
StE PMD Channel-wise Hit, Chain 06-07



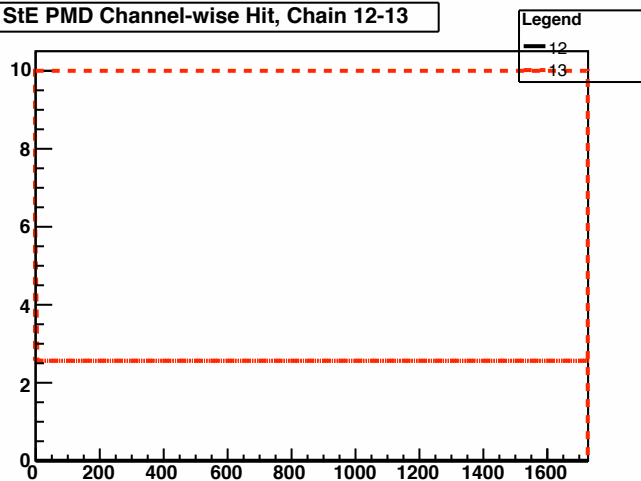
StE PMD Channel-wise Hit, Chain 08-09



StE PMD Channel-wise Hit, Chain 10-11

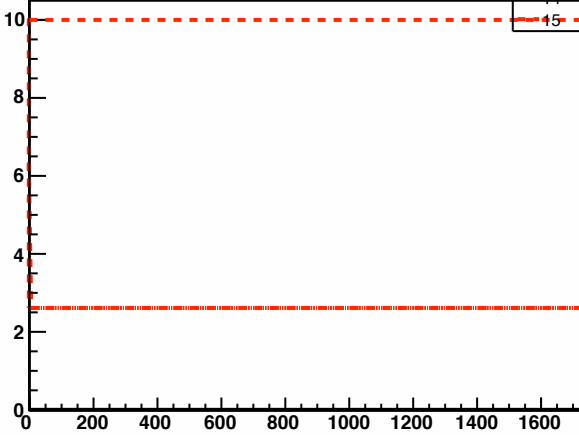


StE PMD Channel-wise Hit, Chain 12-13



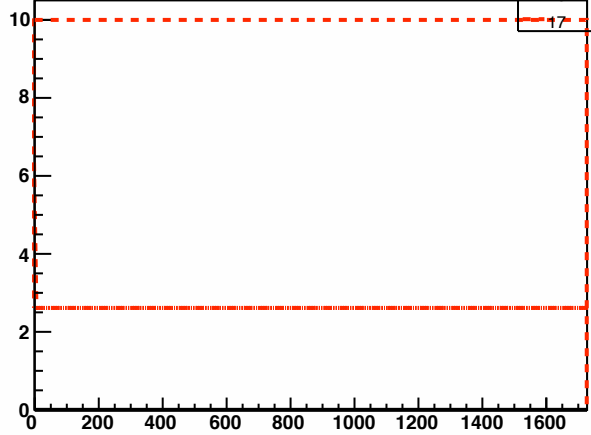
StE PMD Channel-wise Hit, Chain 14-15

Legend



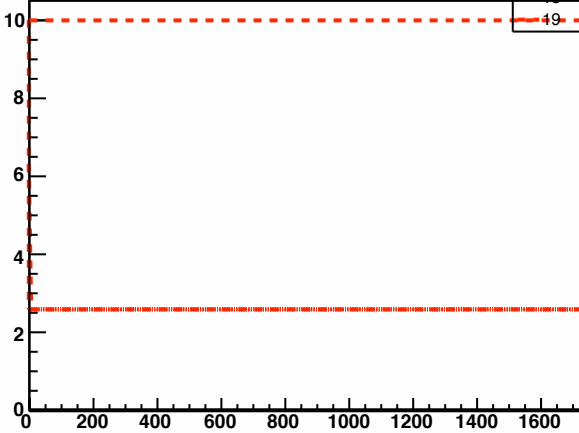
StE PMD Channel-wise Hit, Chain 16-17

Legend



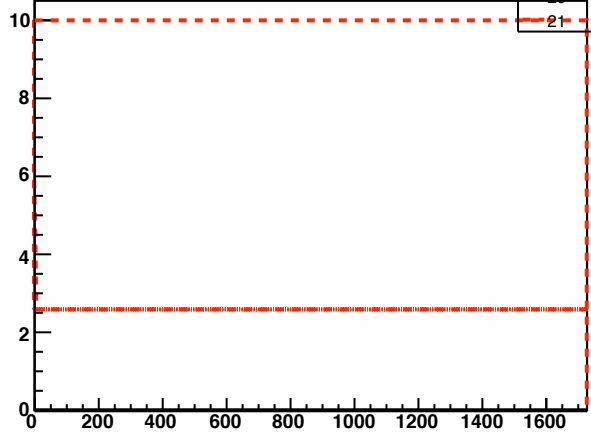
StE PMD Channel-wise Hit, Chain 18-19

Legend



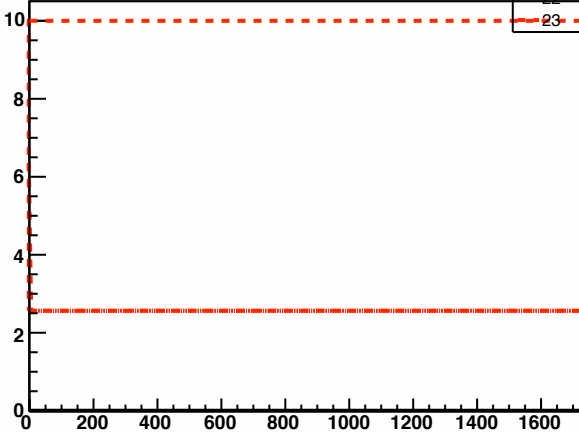
StE PMD Channel-wise Hit, Chain 20-21

Legend



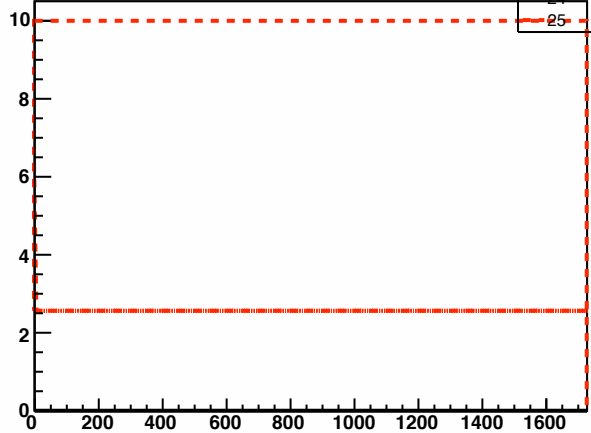
StE PMD Channel-wise Hit, Chain 22-23

Legend

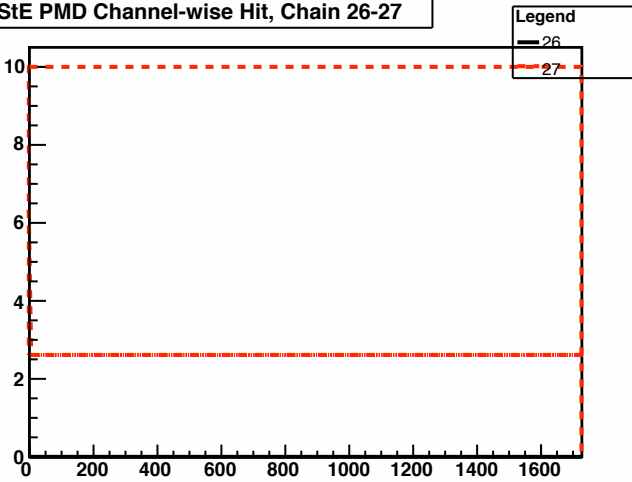


StE PMD Channel-wise Hit, Chain 24-25

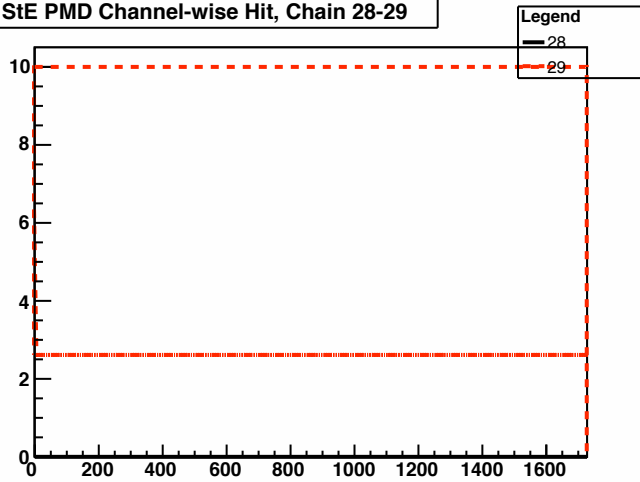
Legend



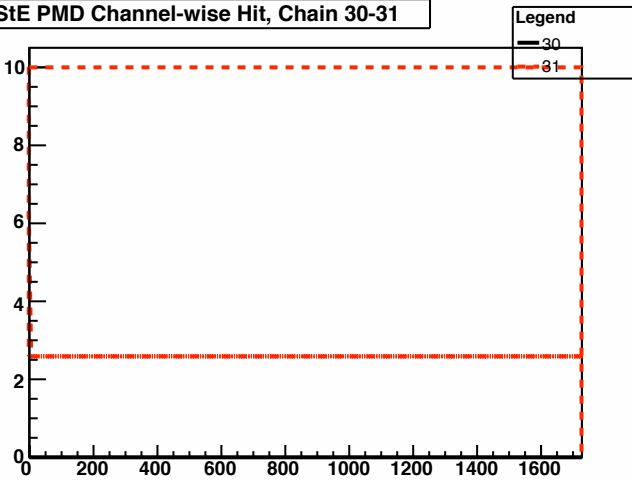
StE PMD Channel-wise Hit, Chain 26-27



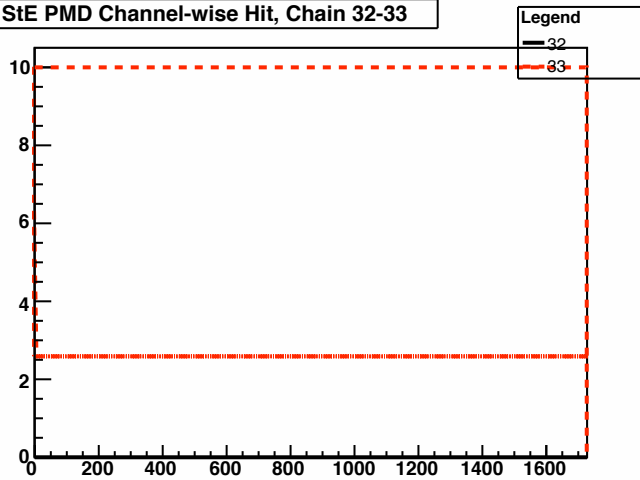
StE PMD Channel-wise Hit, Chain 28-29



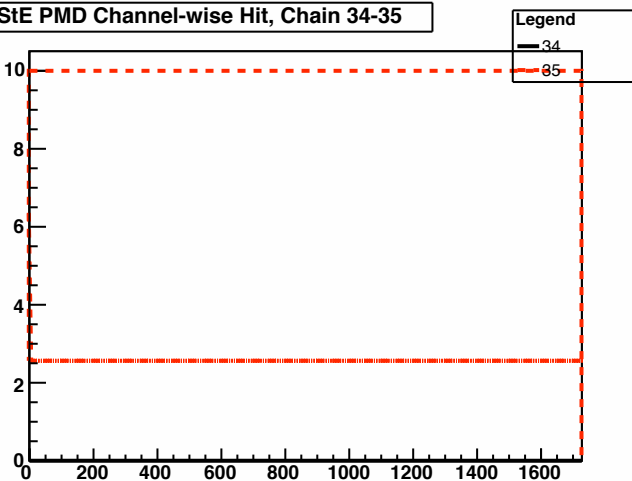
StE PMD Channel-wise Hit, Chain 30-31



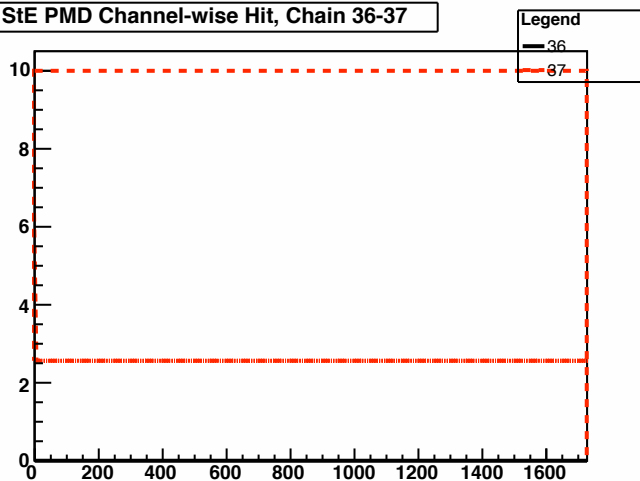
StE PMD Channel-wise Hit, Chain 32-33



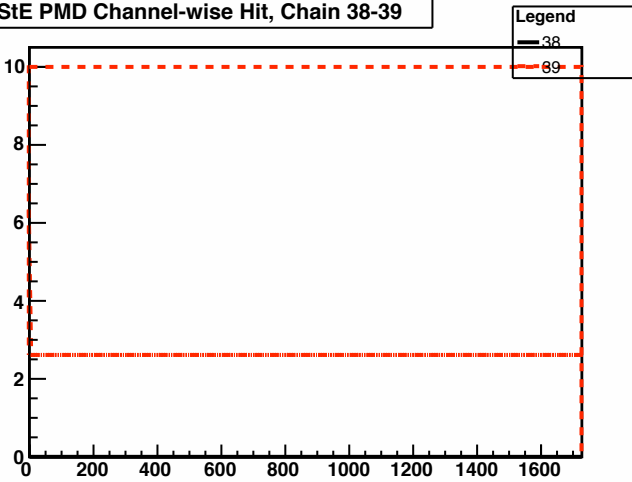
StE PMD Channel-wise Hit, Chain 34-35



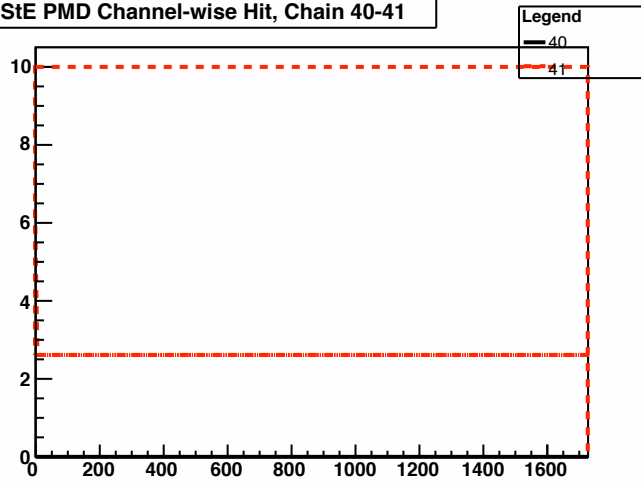
StE PMD Channel-wise Hit, Chain 36-37



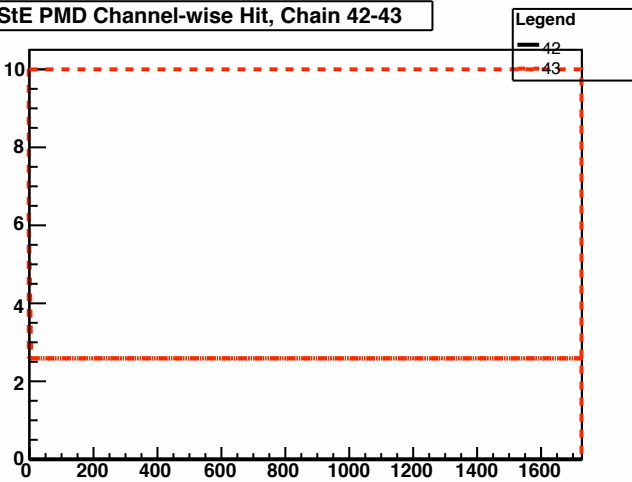
StE PMD Channel-wise Hit, Chain 38-39



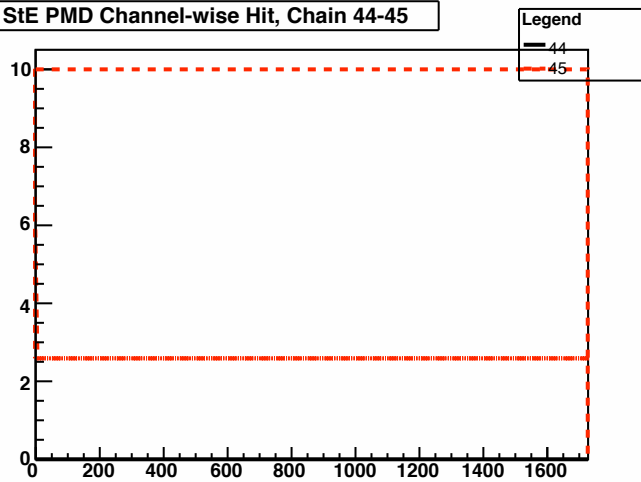
StE PMD Channel-wise Hit, Chain 40-41



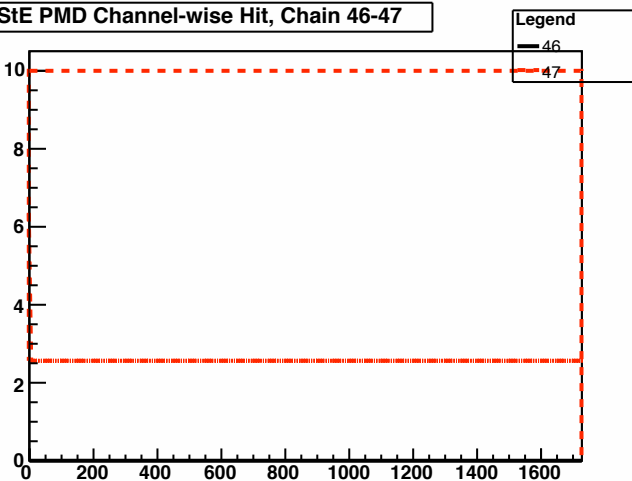
StE PMD Channel-wise Hit, Chain 42-43



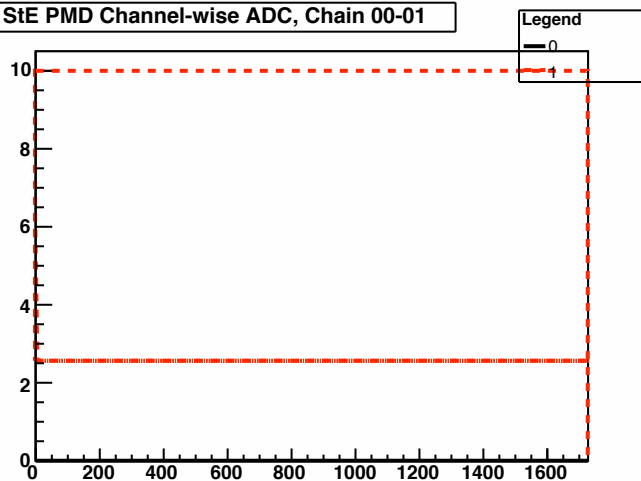
StE PMD Channel-wise Hit, Chain 44-45



StE PMD Channel-wise Hit, Chain 46-47

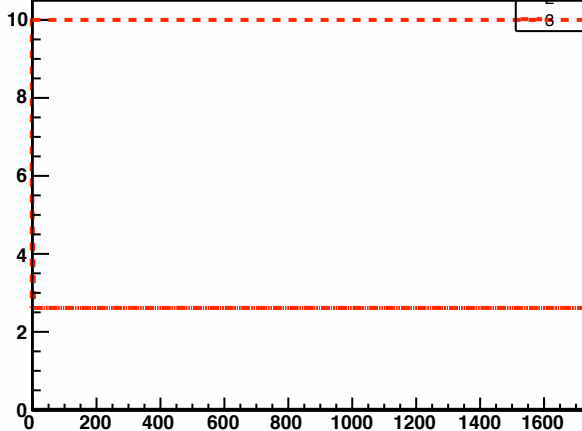


StE PMD Channel-wise ADC, Chain 00-01



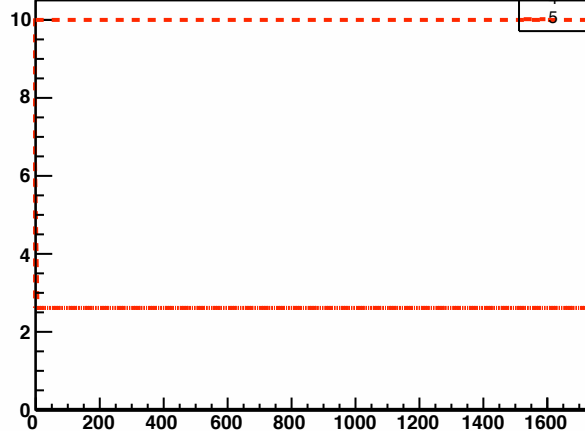
StE PMD Channel-wise ADC, Chain 02-03

Legend

— 2
— 8

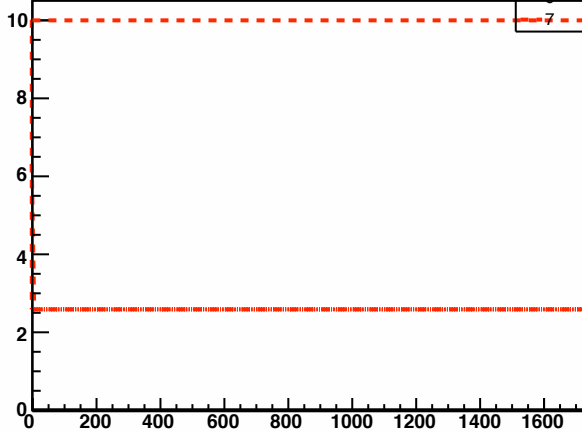
StE PMD Channel-wise ADC, Chain 04-05

Legend

— 4
— 5

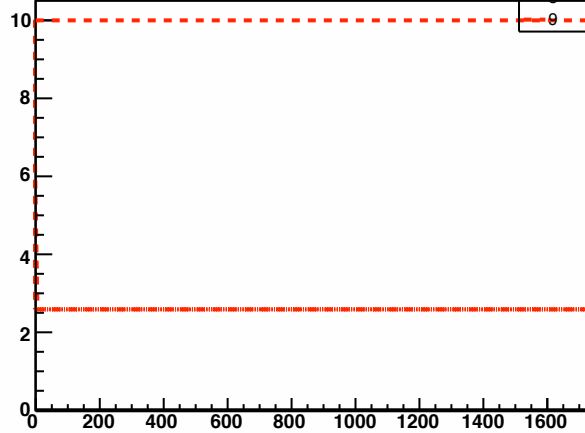
StE PMD Channel-wise ADC, Chain 06-07

Legend

— 6
— 7

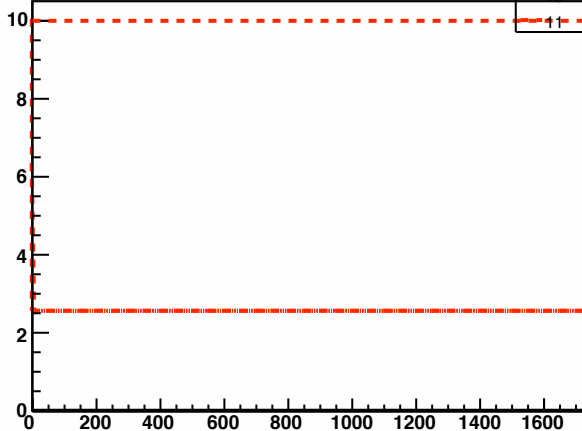
StE PMD Channel-wise ADC, Chain 08-09

Legend

— 8
— 9

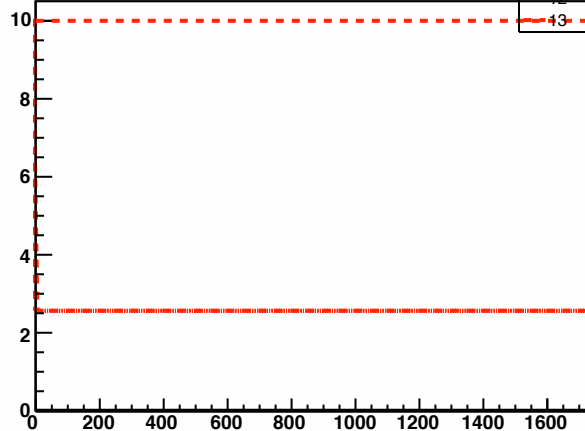
StE PMD Channel-wise ADC, Chain 10-11

Legend

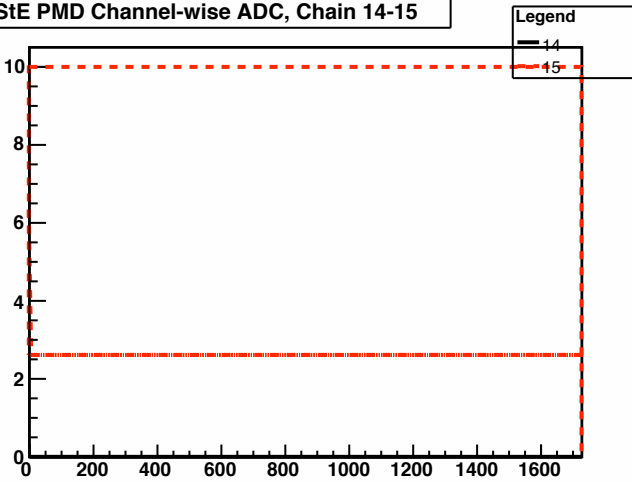
— 10
— 11

StE PMD Channel-wise ADC, Chain 12-13

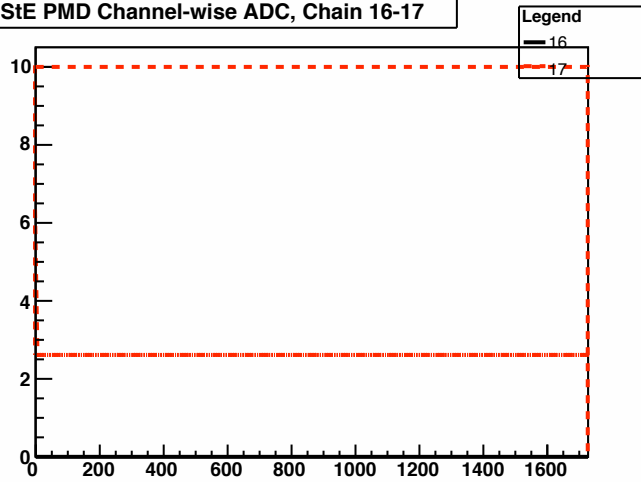
Legend

— 12
— 13

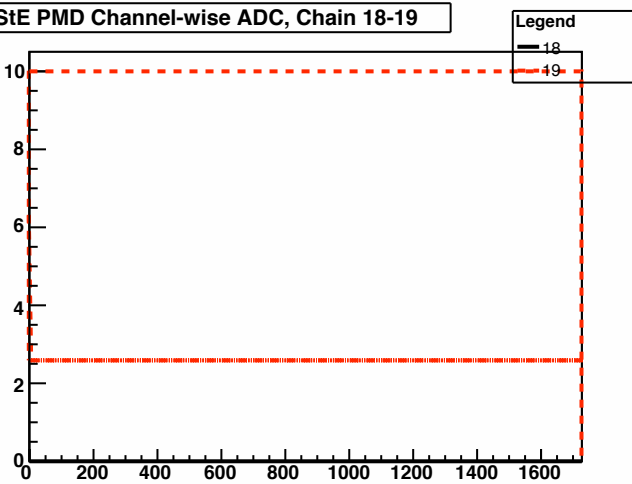
StE PMD Channel-wise ADC, Chain 14-15



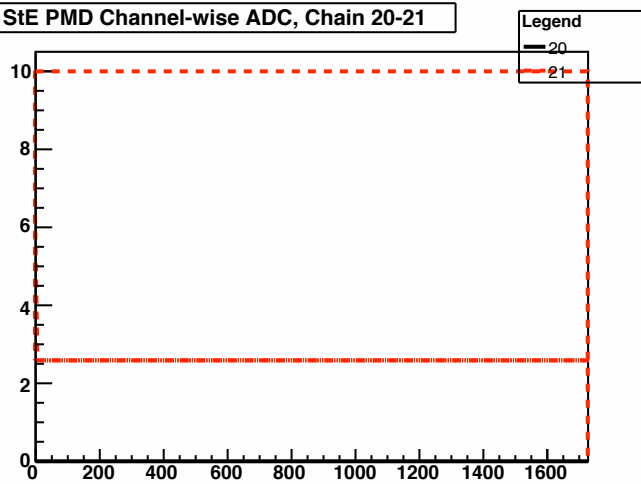
StE PMD Channel-wise ADC, Chain 16-17



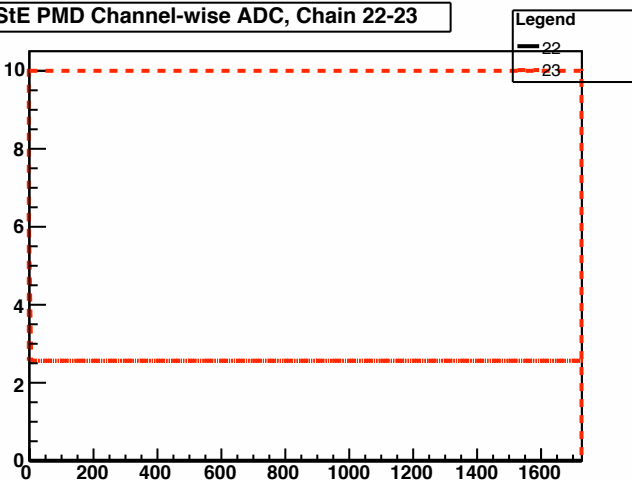
StE PMD Channel-wise ADC, Chain 18-19



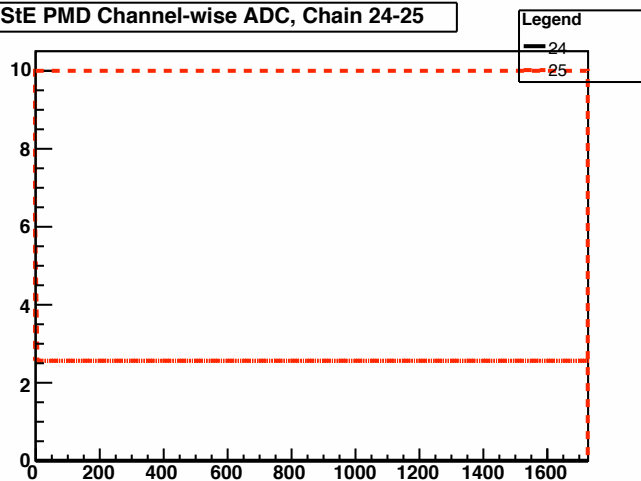
StE PMD Channel-wise ADC, Chain 20-21



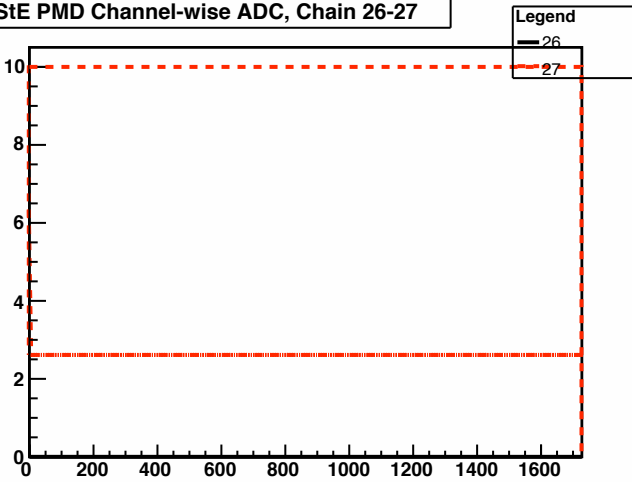
StE PMD Channel-wise ADC, Chain 22-23



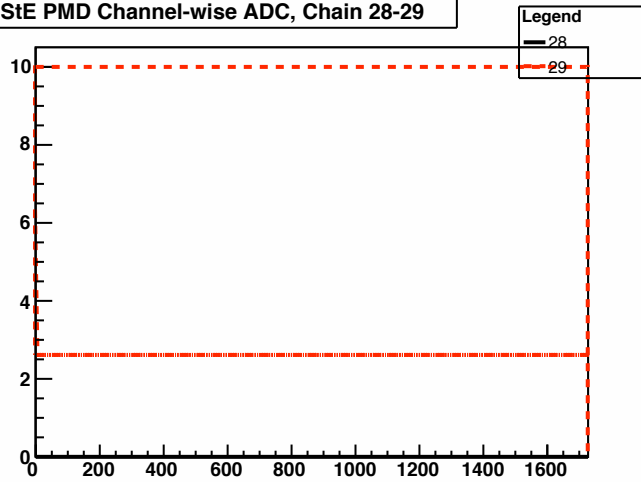
StE PMD Channel-wise ADC, Chain 24-25



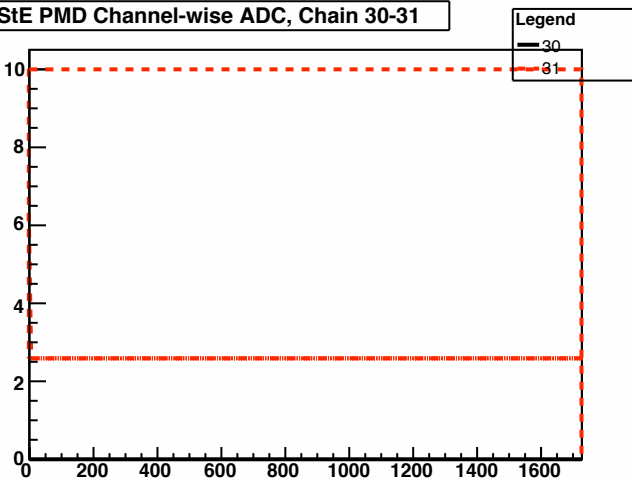
StE PMD Channel-wise ADC, Chain 26-27



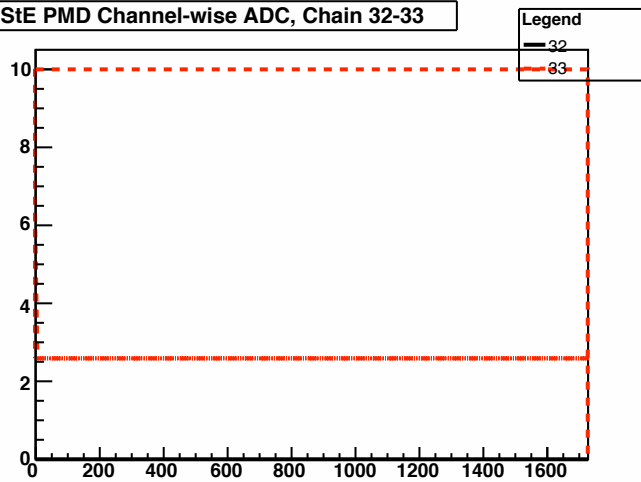
StE PMD Channel-wise ADC, Chain 28-29



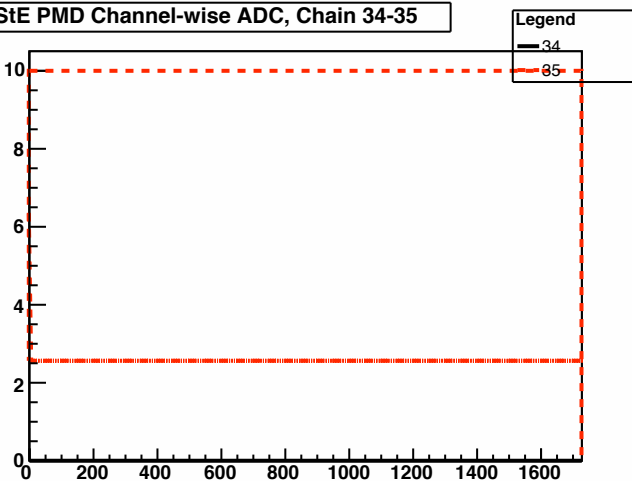
StE PMD Channel-wise ADC, Chain 30-31



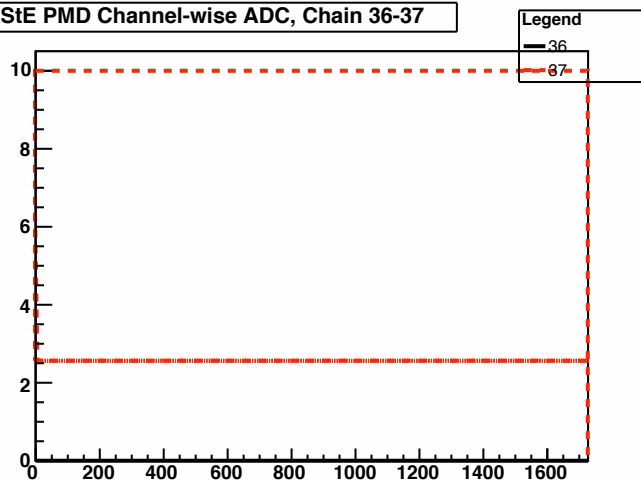
StE PMD Channel-wise ADC, Chain 32-33



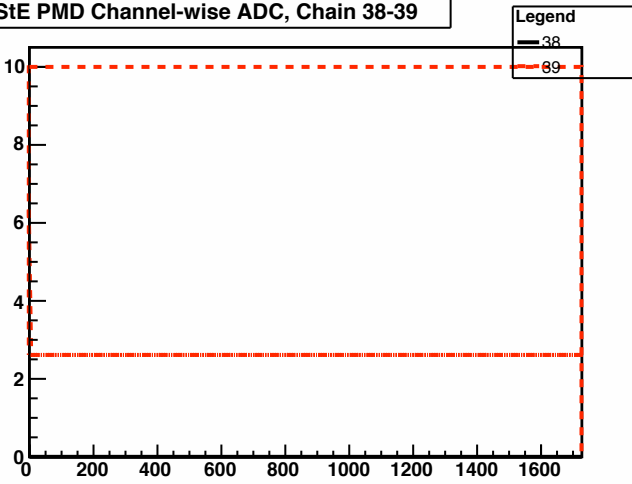
StE PMD Channel-wise ADC, Chain 34-35



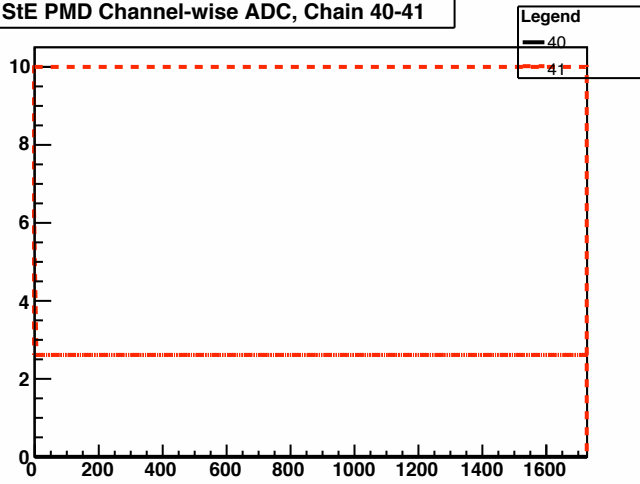
StE PMD Channel-wise ADC, Chain 36-37



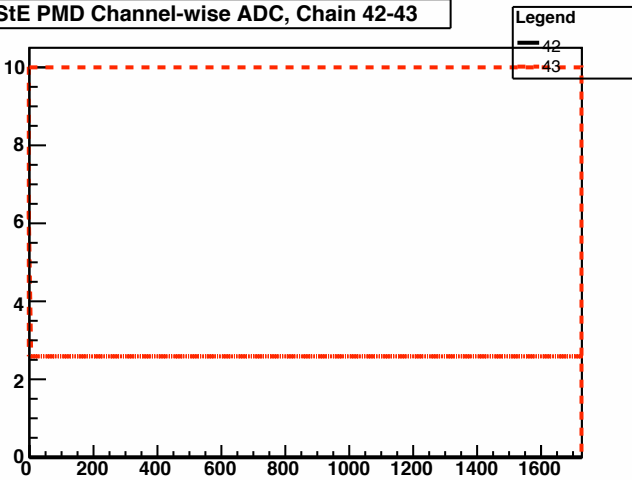
StE PMD Channel-wise ADC, Chain 38-39



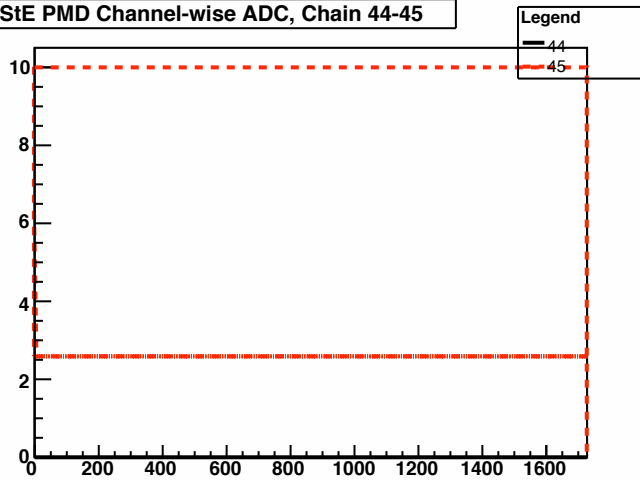
StE PMD Channel-wise ADC, Chain 40-41



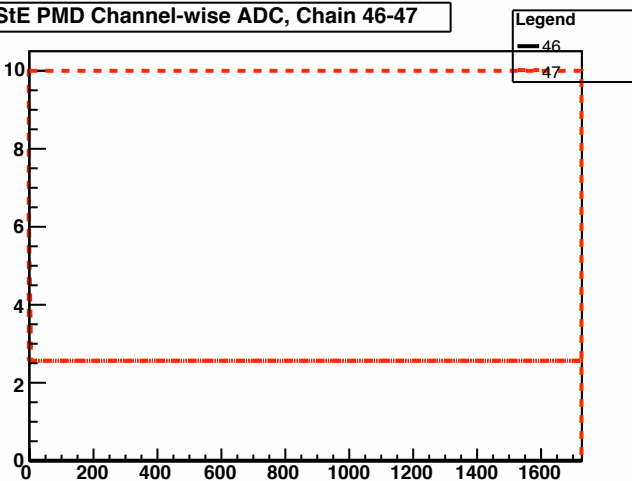
StE PMD Channel-wise ADC, Chain 42-43



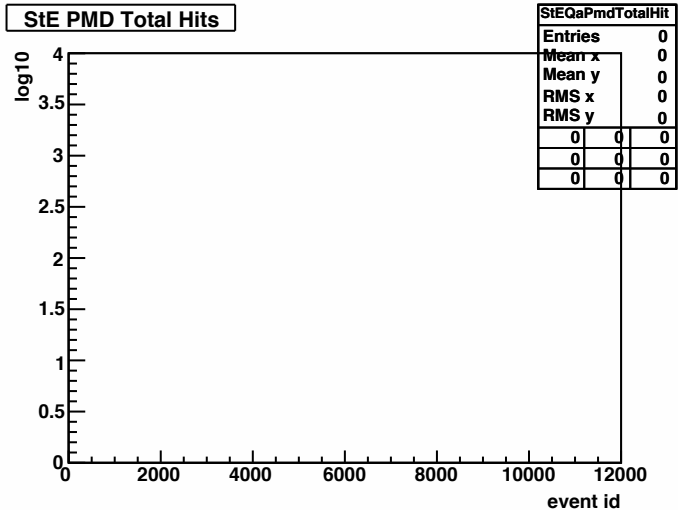
StE PMD Channel-wise ADC, Chain 44-45



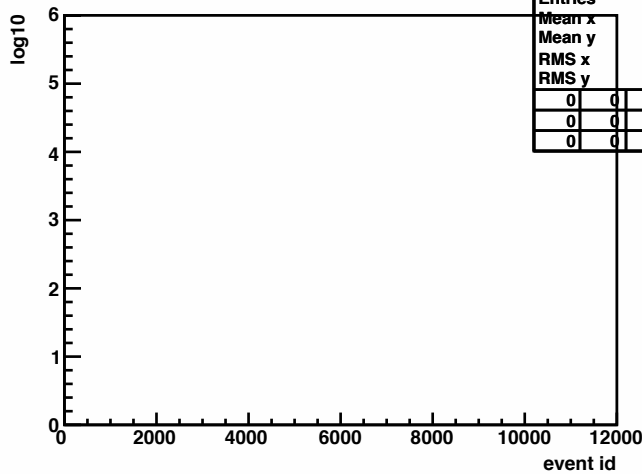
StE PMD Channel-wise ADC, Chain 46-47



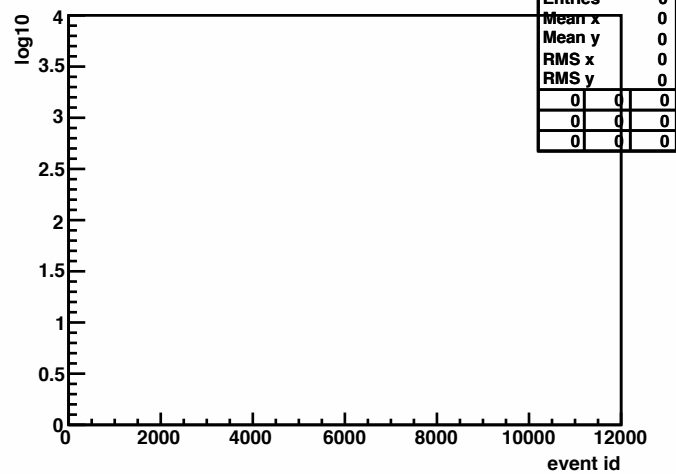
StE PMD Total Hits



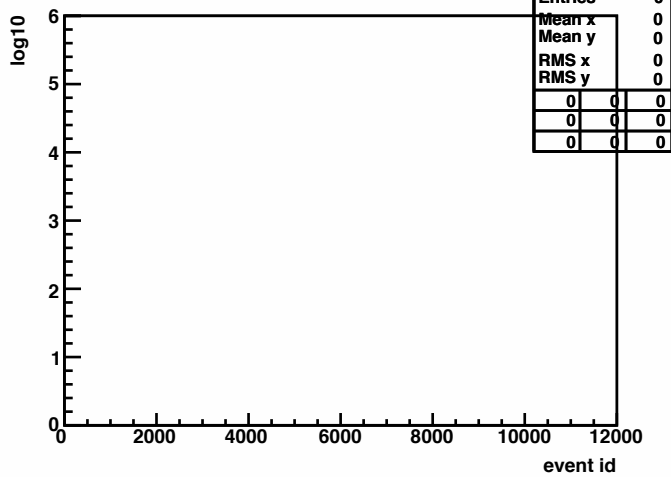
StE PMD Total ADC



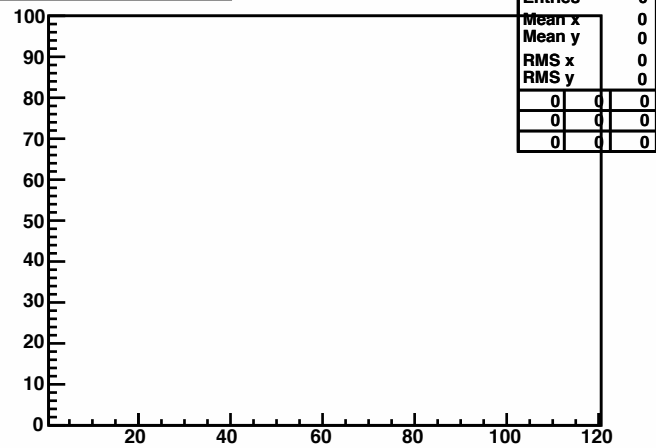
StE CPV Total Hits



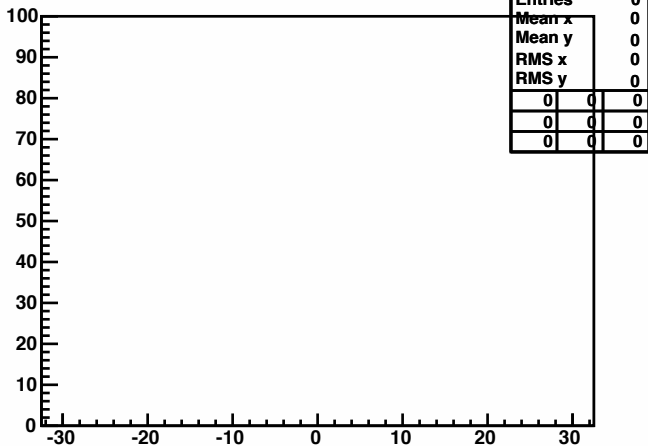
StE CPV Total ADC



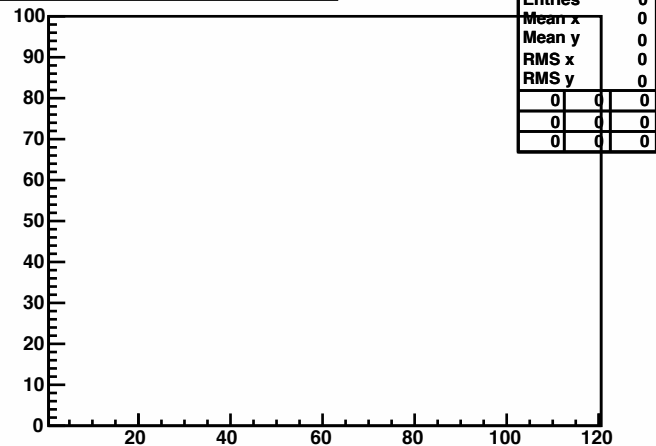
StE TOF Hits vs tray



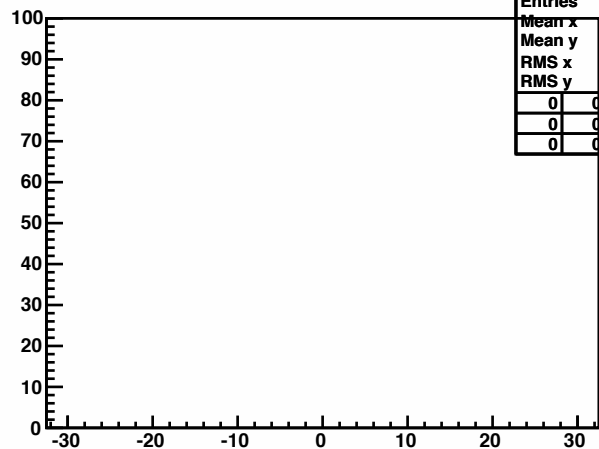
StE TOF Hits vs Module



StE TOF Matched Hits vs tray

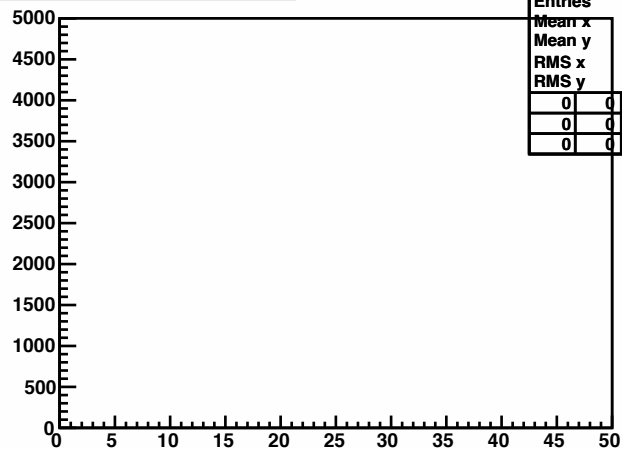


StE TOF Matched Hits vs Module



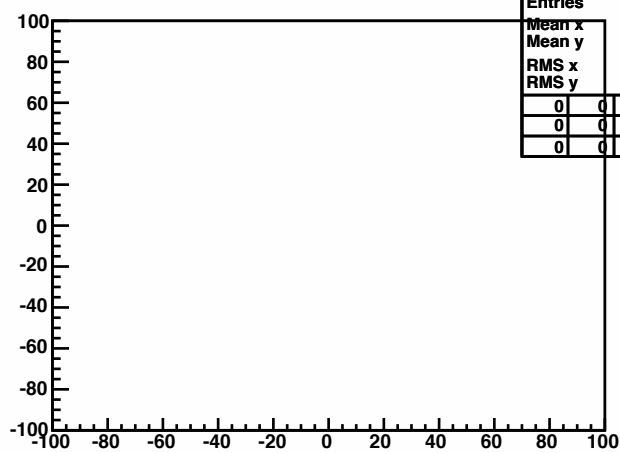
StEQaTofMatchvsModule		
Entries	0	
Mean x	0	
Mean y	0	
RMS x	0	
RMS y	0	
	0	0
	0	0
	0	0

StE TOF Hits vs Vpd Hits



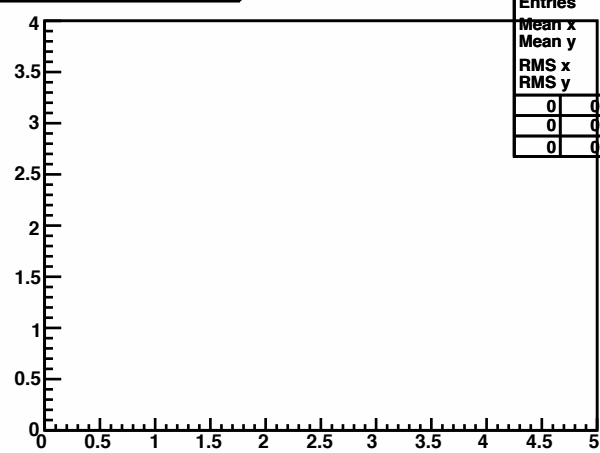
StEQaTofHitsvsVpdHit		
Entries	0	
Mean x	0	
Mean y	0	
RMS x	0	
RMS y	0	
	0	0
	0	0
	0	0

StE VPD vtxz vs TPC vtxz



StEQaTofVpdZvsTpcZ		
Entries	0	
Mean x	0	
Mean y	0	
RMS x	0	
RMS y	0	
	0	0
	0	0
	0	0

StE TOF InvBeta vs p



StEQaTofPID		
Entries	0	
Mean x	0	
Mean y	0	
RMS x	0	
RMS y	0	
	0	0
	0	0
	0	0