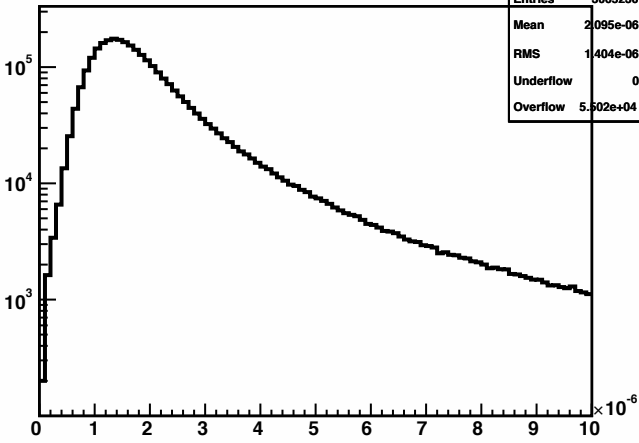


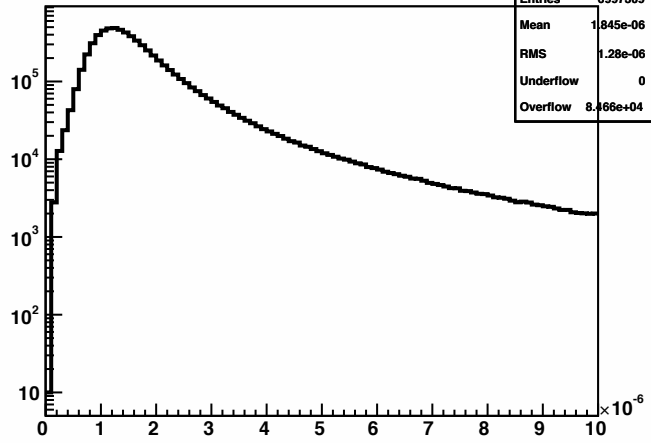
Inner Sector De/Dx Distribution

StEQaInnerSectorDeDx	
Entries	3065230
Mean	2.095e-06
RMS	1.404e-06
Underflow	0
Overflow	5.502e+04



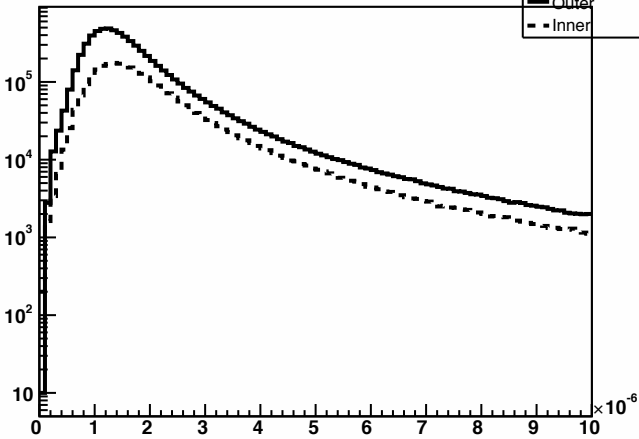
Outer Sector De/Dx Distribution

StEQaOuterSectorDeDx	
Entries	6997309
Mean	1.845e-06
RMS	1.28e-06
Underflow	0
Overflow	8.866e+04



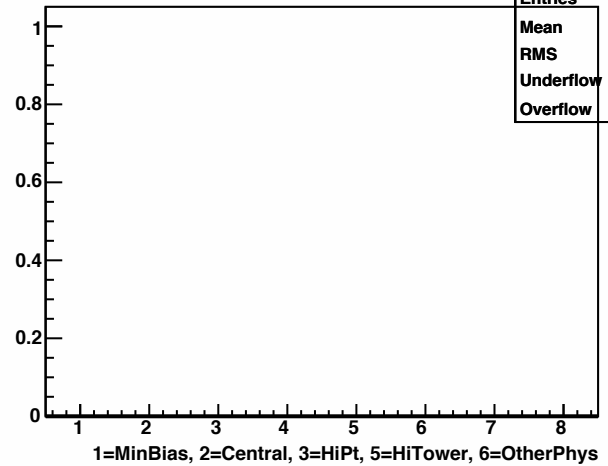
dE/dx for all TPC sectors

Legend	
—	Outer
- - -	Inner



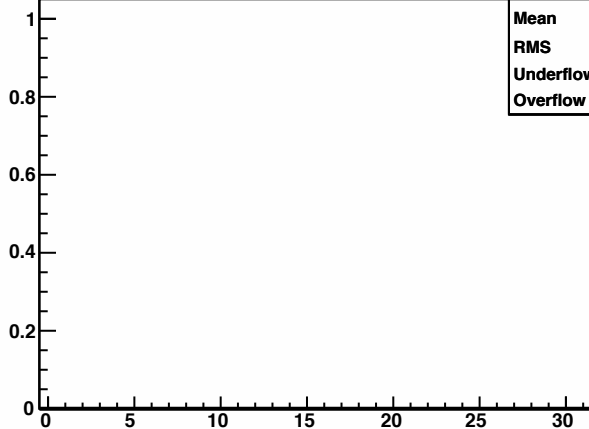
StE trigger word

StEQaTrigWord	
Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0



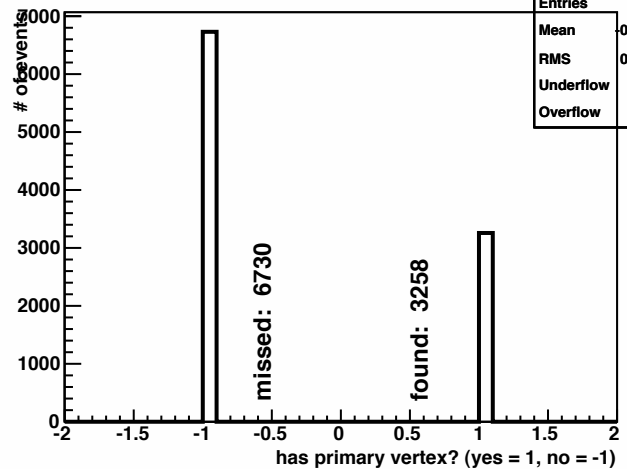
StE trigger bits

StEQaTrigBits	
Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0

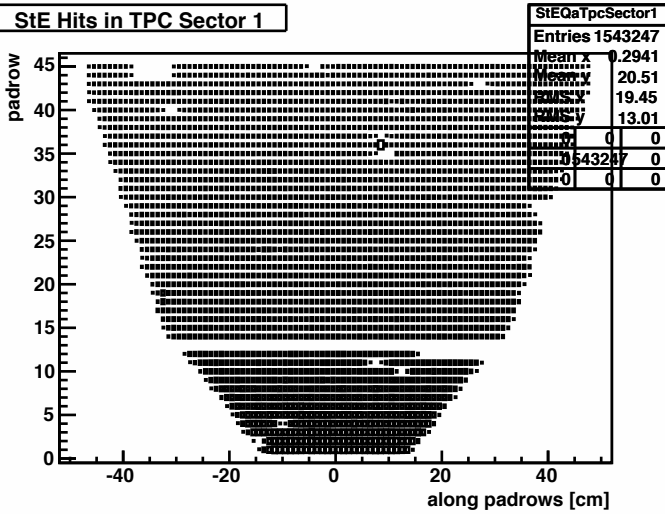


StE event primary vertex check

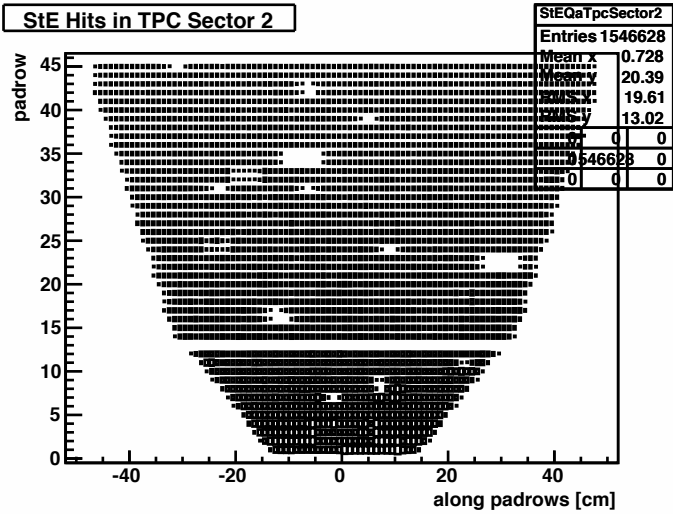
StEQaNullPrimVtx	
Entries	9988
Mean	-0.3476
RMS	0.9376
Underflow	0
Overflow	0



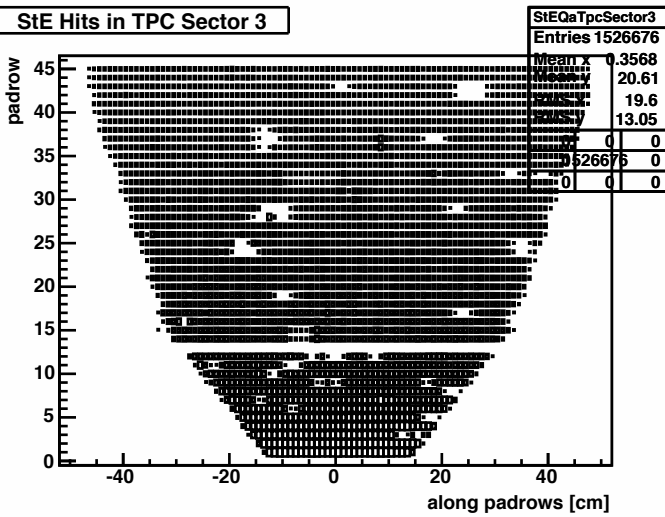
StE Hits in TPC Sector 1



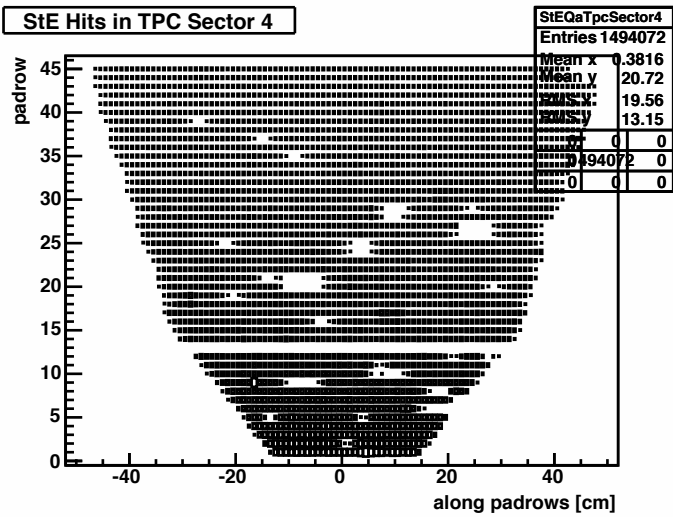
StE Hits in TPC Sector 2



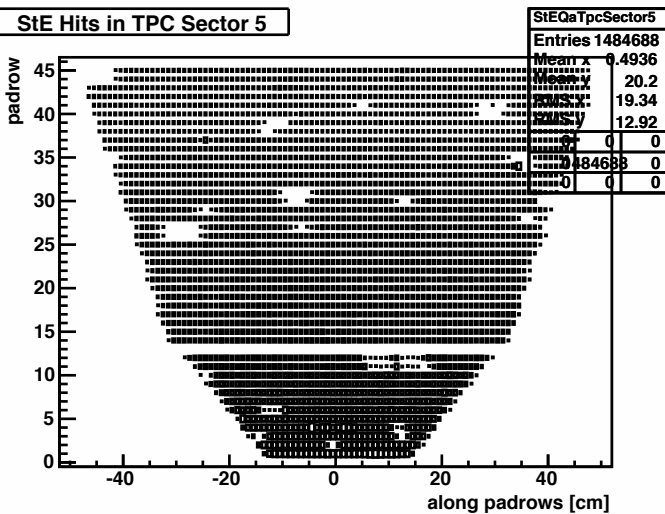
StE Hits in TPC Sector 3



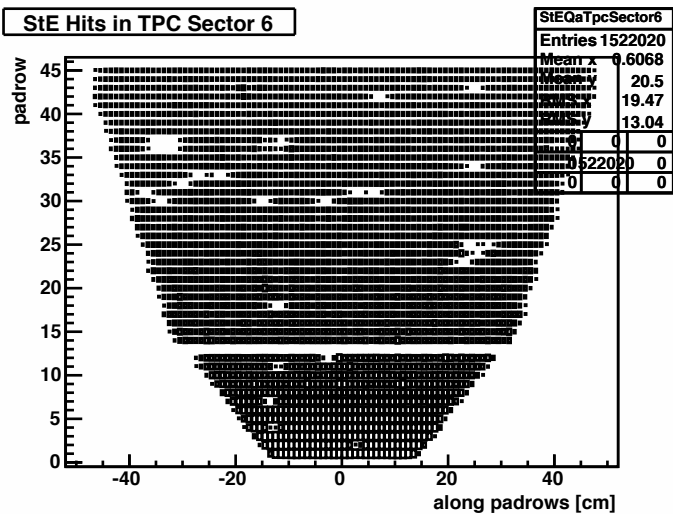
StE Hits in TPC Sector 4



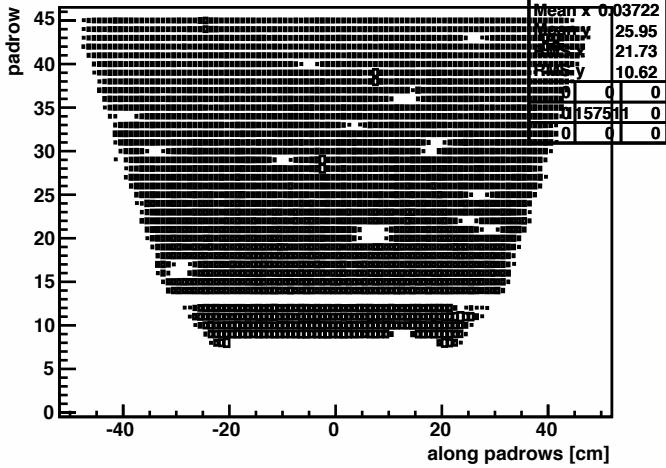
StE Hits in TPC Sector 5



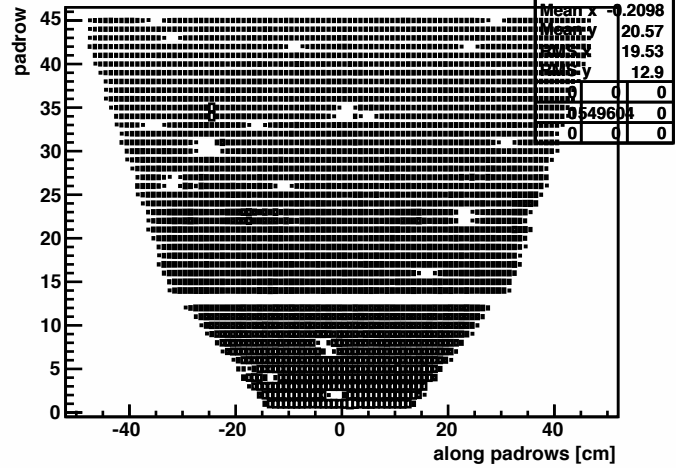
StE Hits in TPC Sector 6



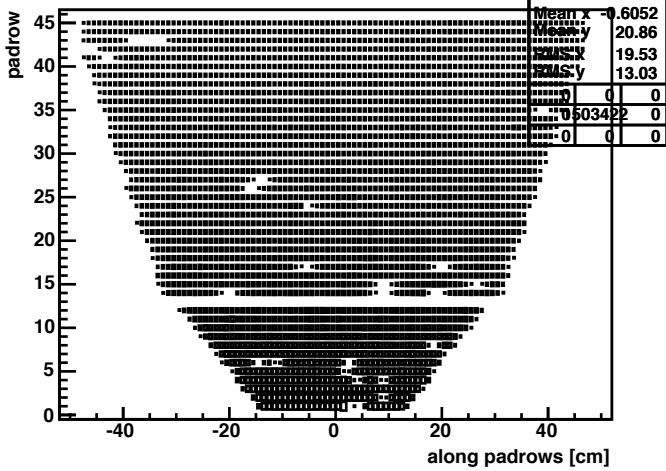
StE Hits in TPC Sector 7



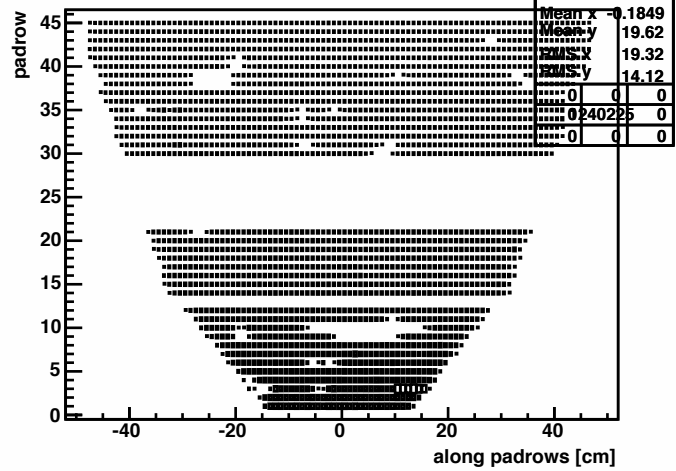
StE Hits in TPC Sector 8



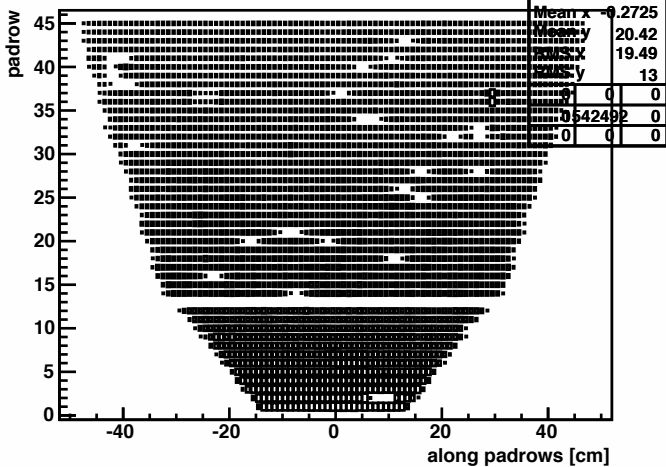
StE Hits in TPC Sector 9



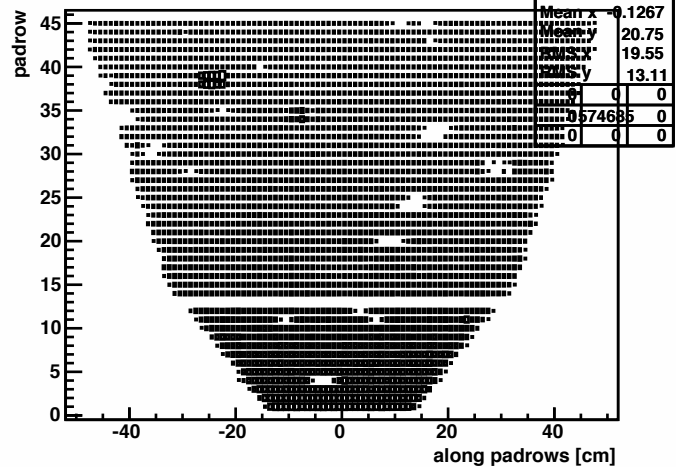
StE Hits in TPC Sector 10



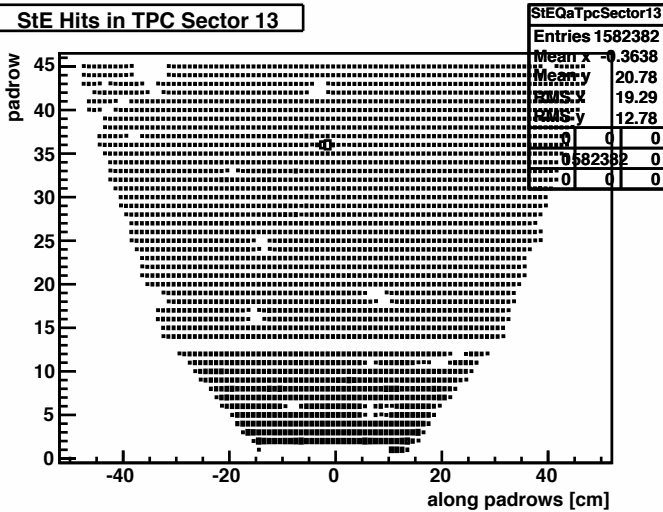
StE Hits in TPC Sector 11



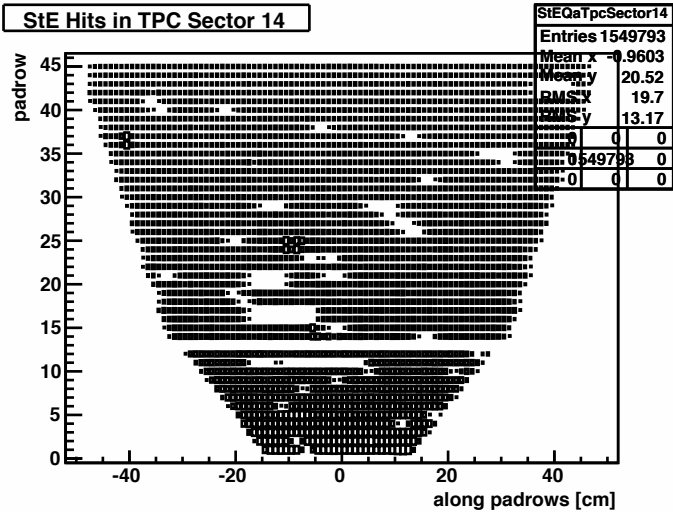
StE Hits in TPC Sector 12



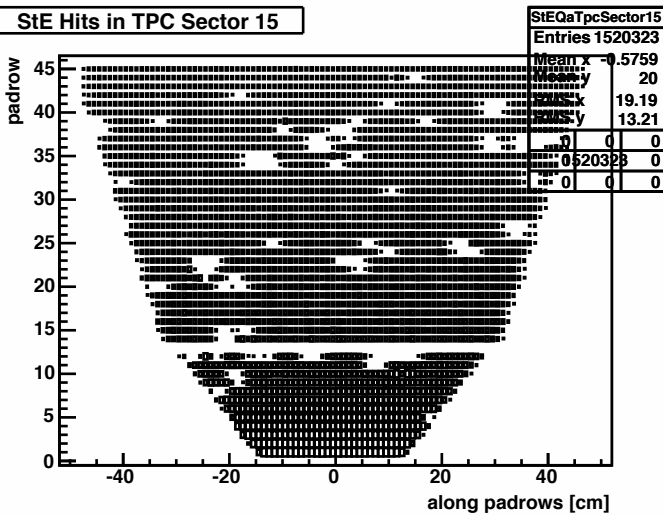
StE Hits in TPC Sector 13



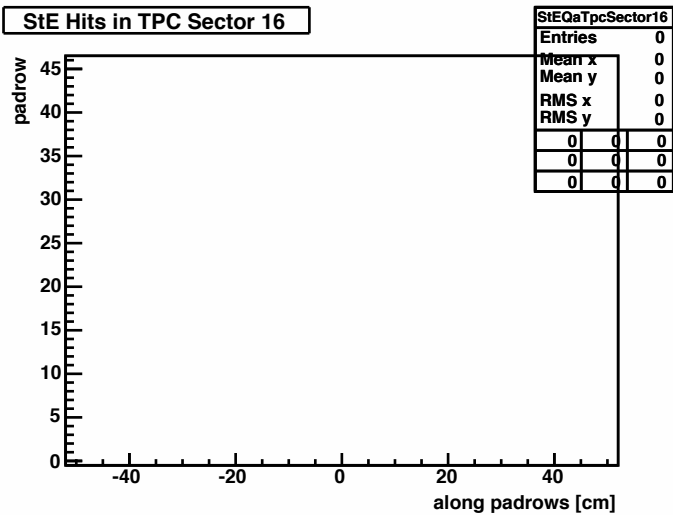
StE Hits in TPC Sector 14



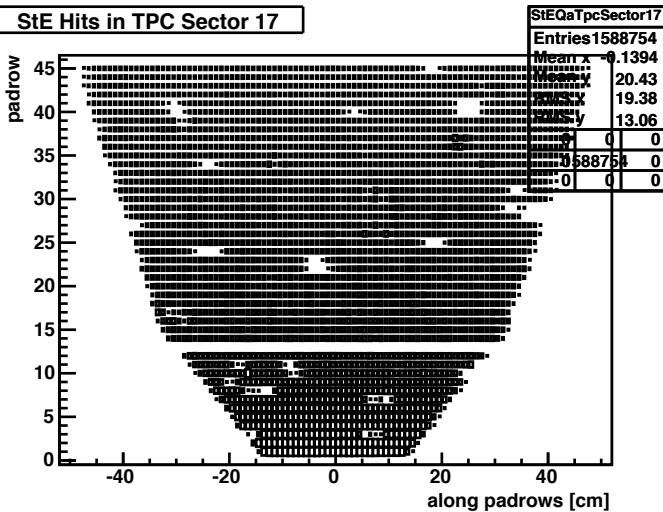
StE Hits in TPC Sector 15



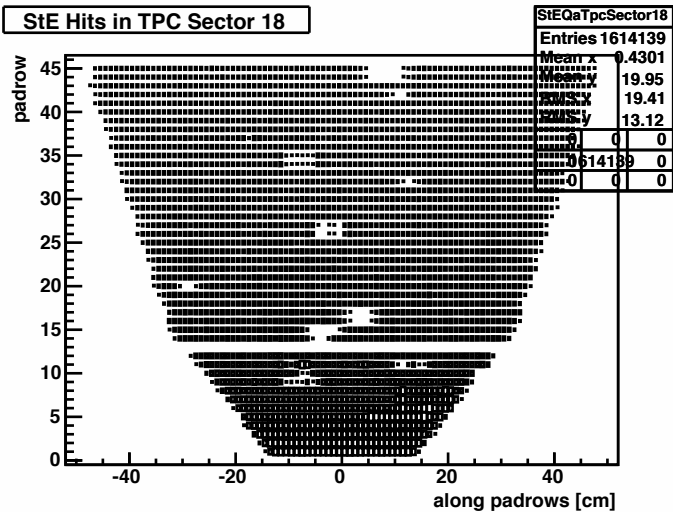
StE Hits in TPC Sector 16



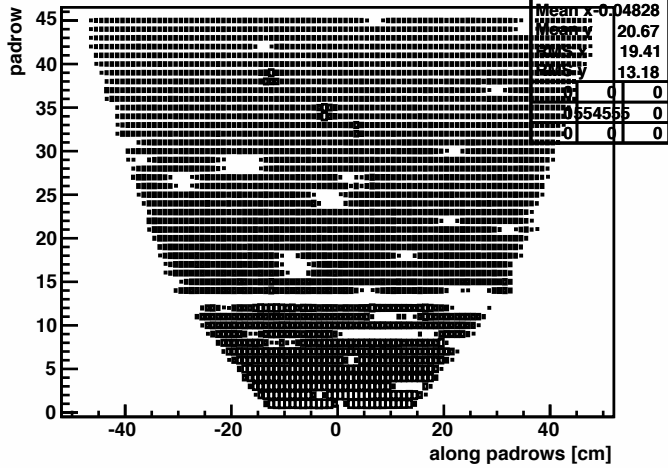
StE Hits in TPC Sector 17



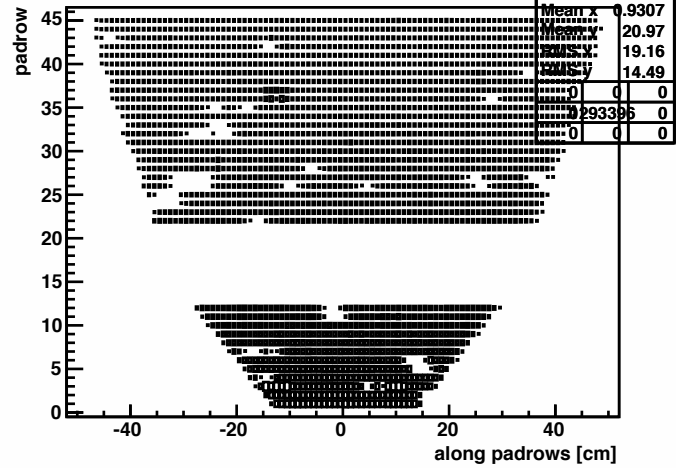
StE Hits in TPC Sector 18



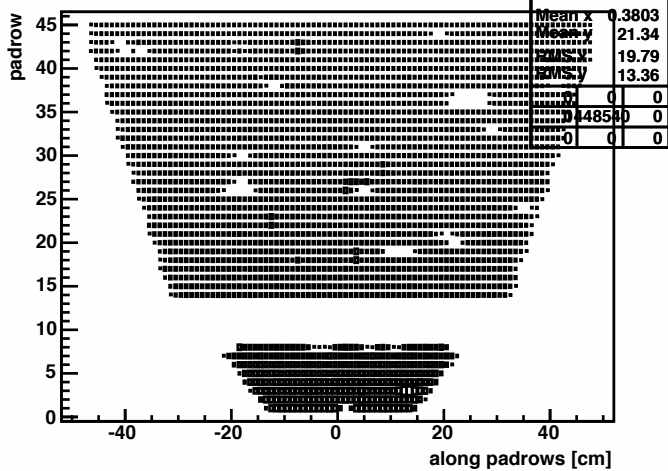
StE Hits in TPC Sector 19



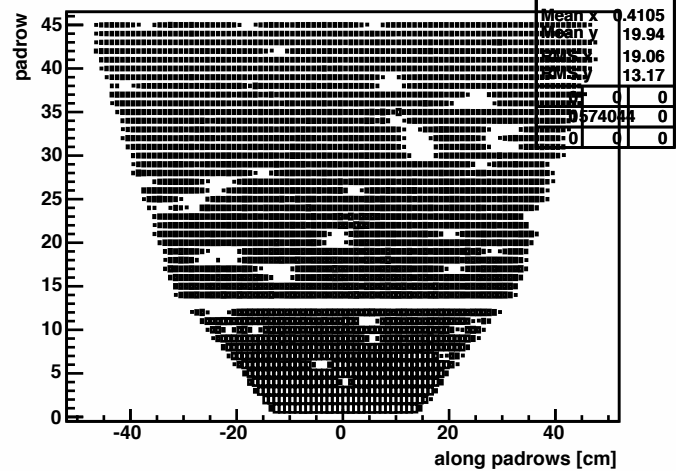
StE Hits in TPC Sector 20



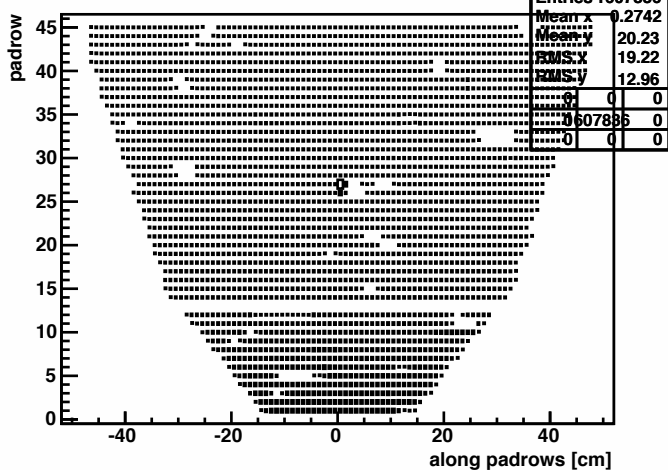
StE Hits in TPC Sector 21



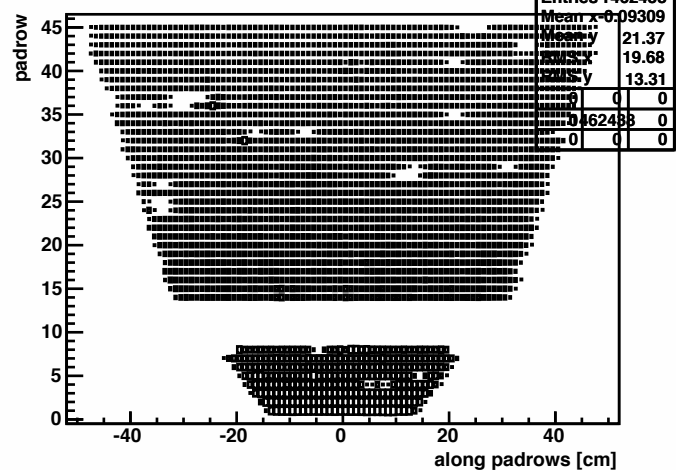
StE Hits in TPC Sector 22



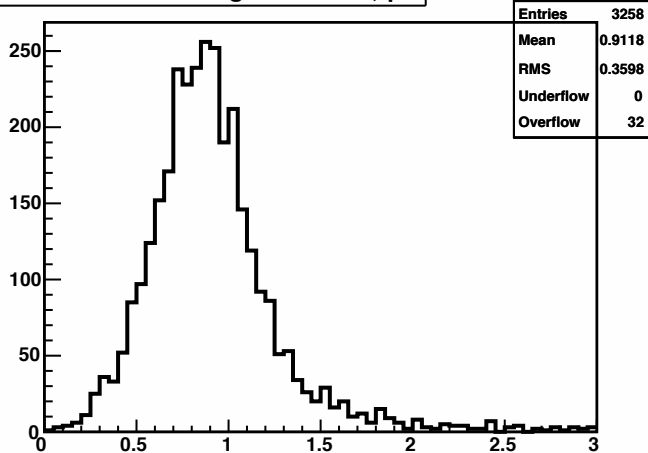
StE Hits in TPC Sector 23



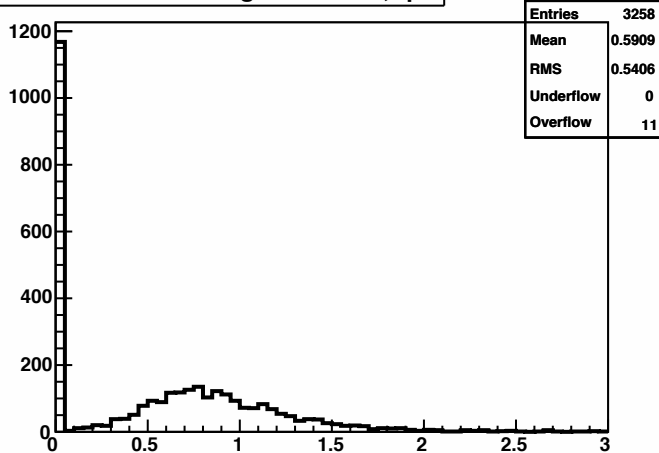
StE Hits in TPC Sector 24



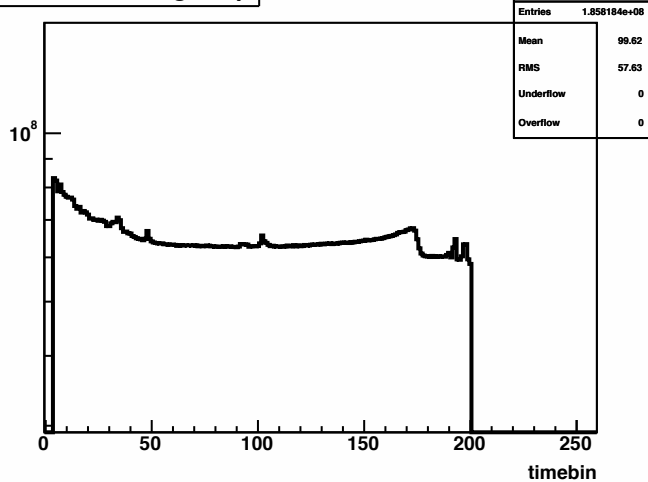
StE softmon: all charge east/west,tpc



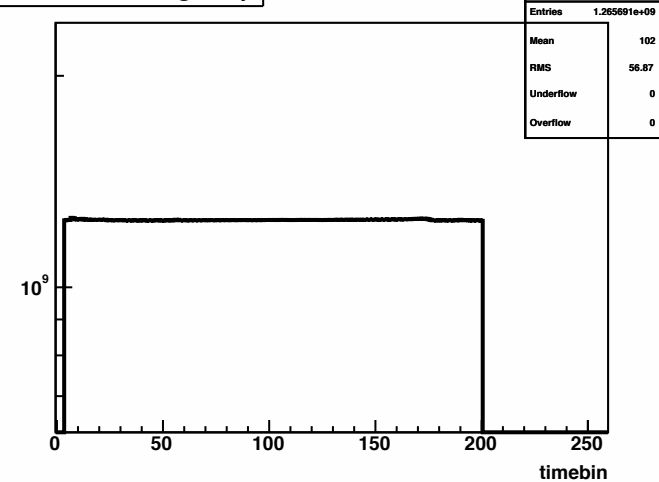
StE softmon: all charge east/west,ftpc



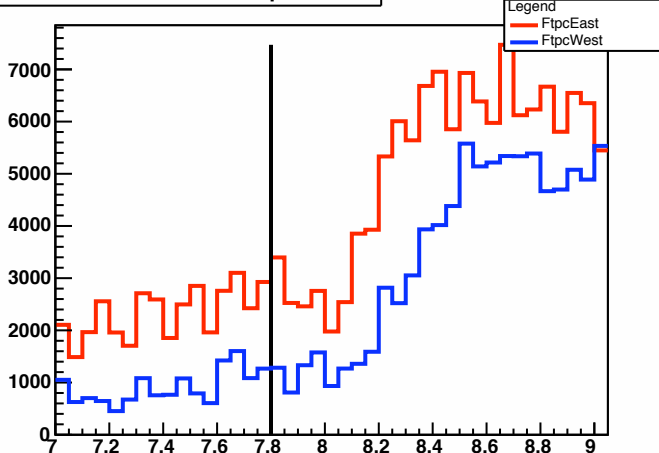
FTPC West chargestep



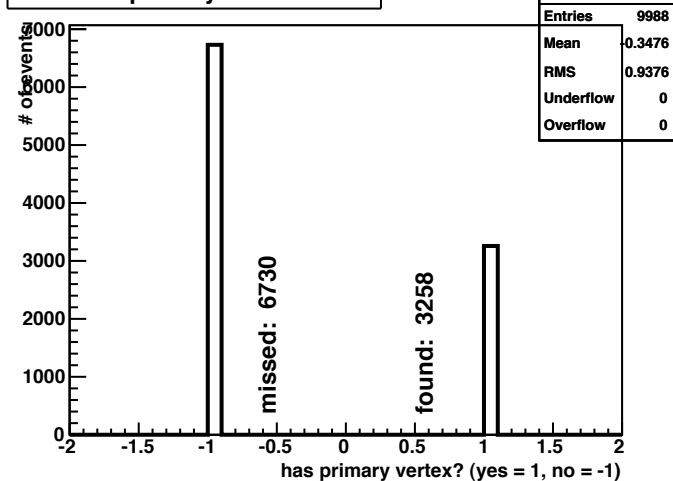
FTPC East chargestep



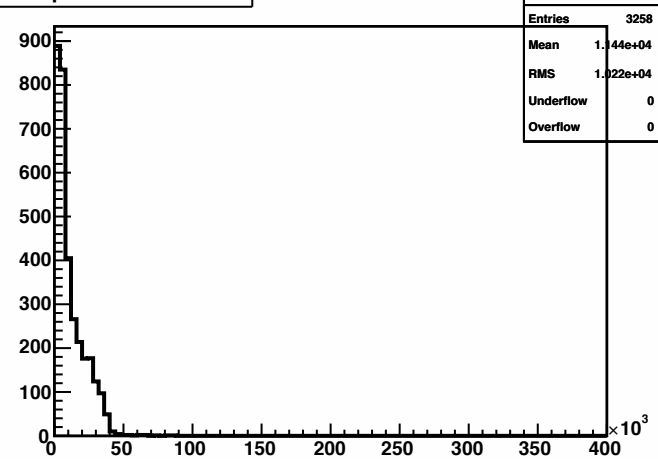
FTPCW+E cluster radial position



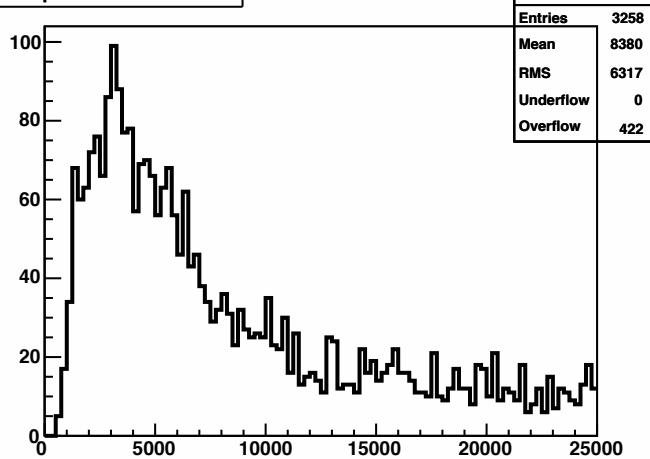
StE event primary vertex check



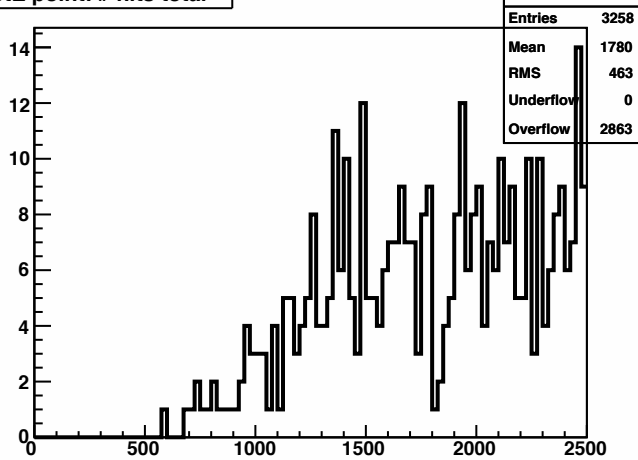
StE point: # hits total



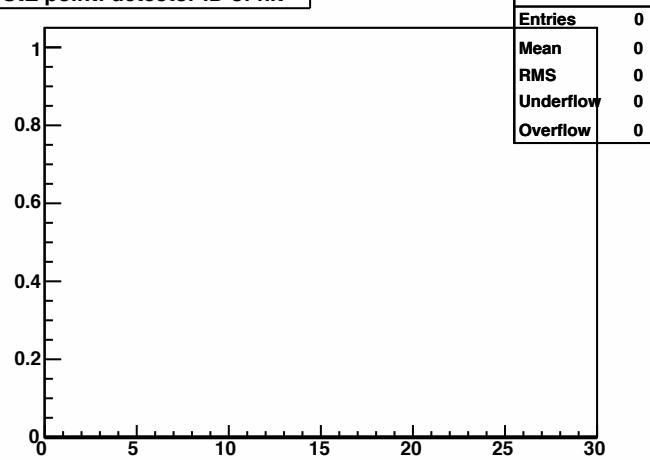
StE point: # hits total



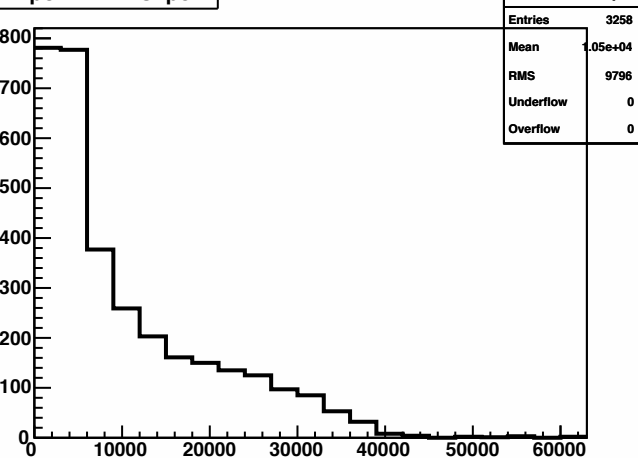
StE point: # hits total



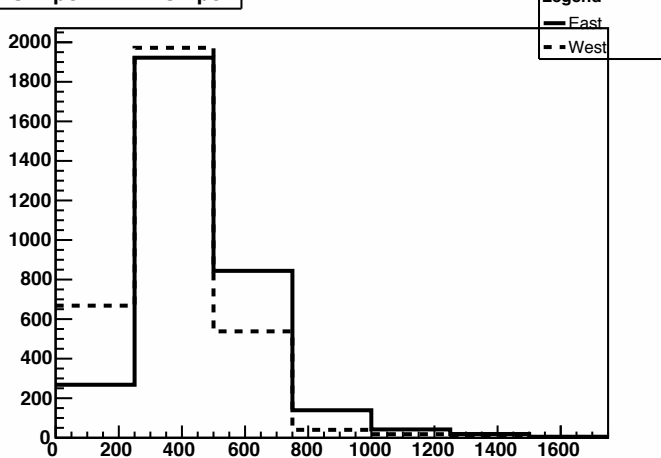
StE point: detector ID of hit

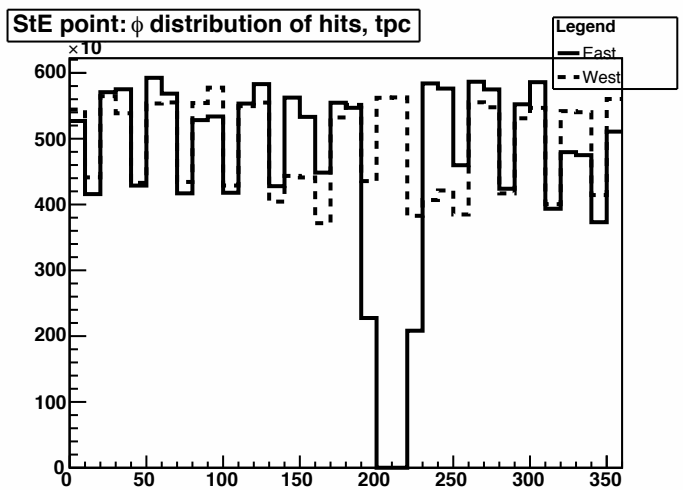
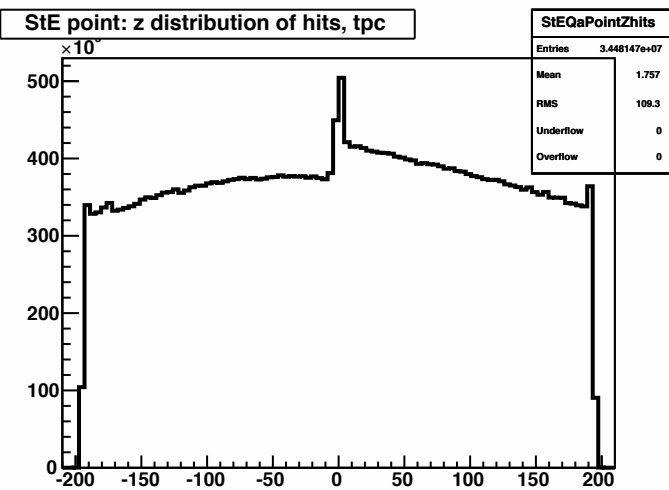
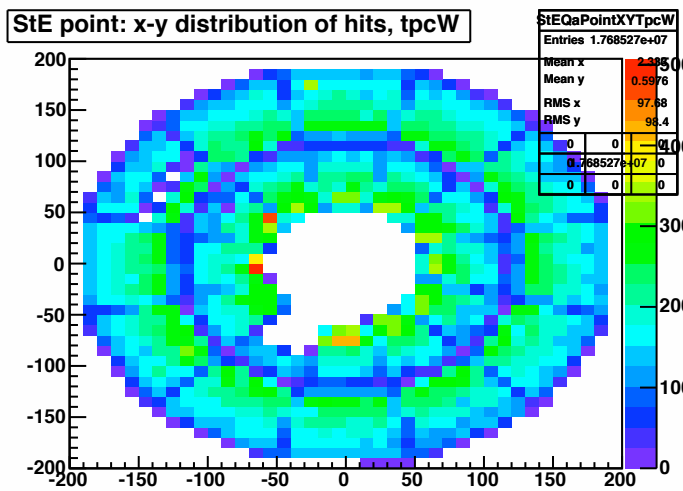
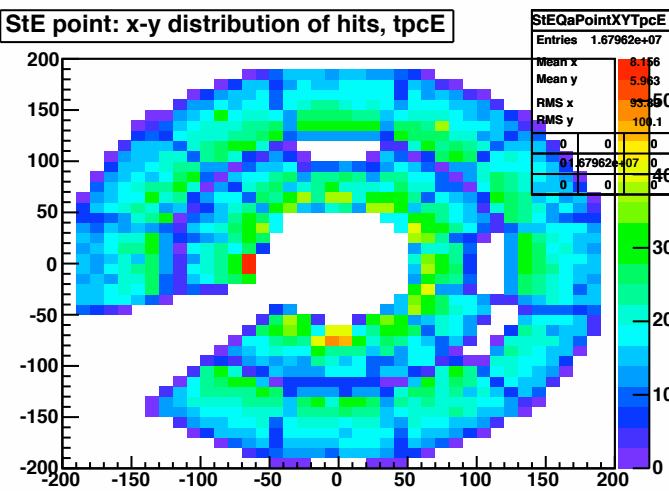
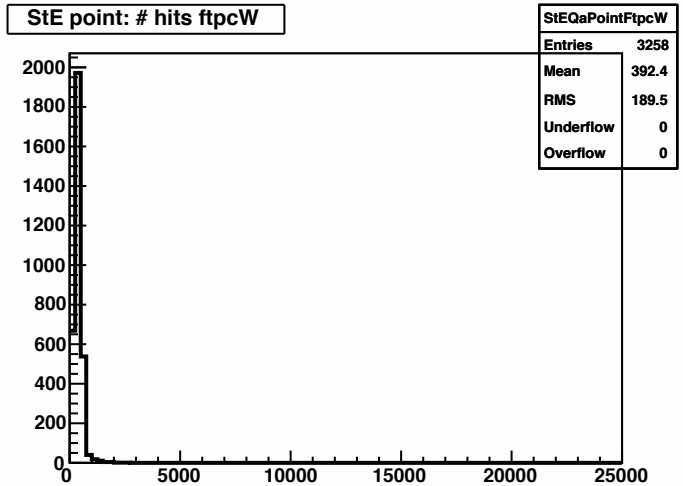
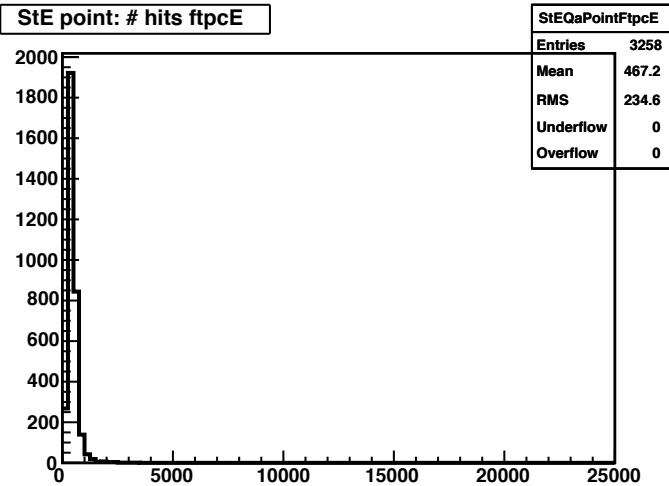


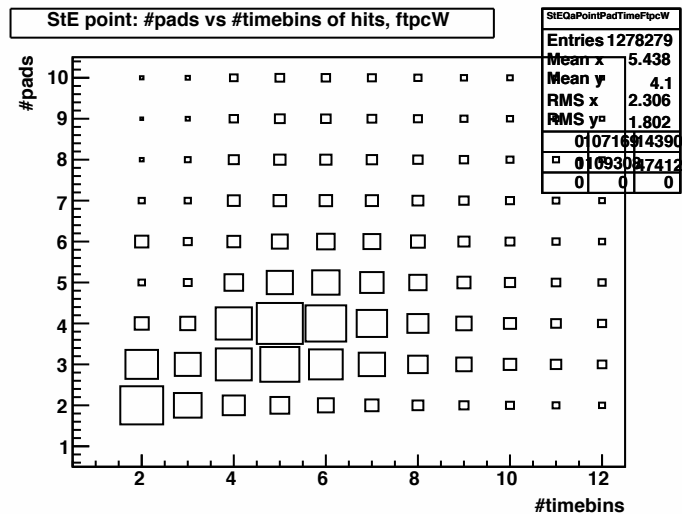
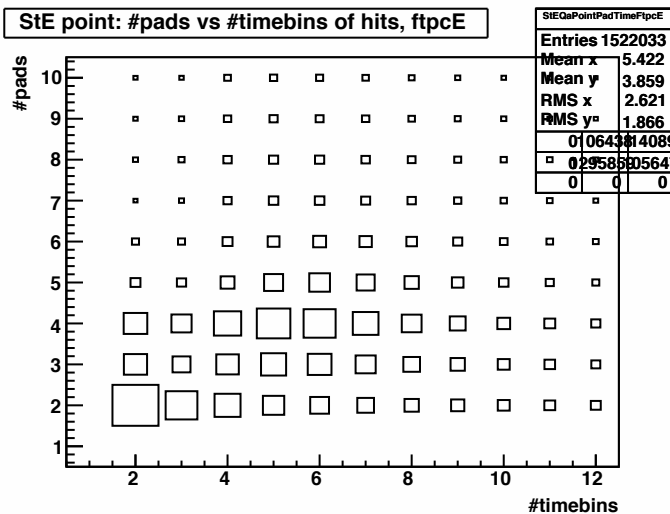
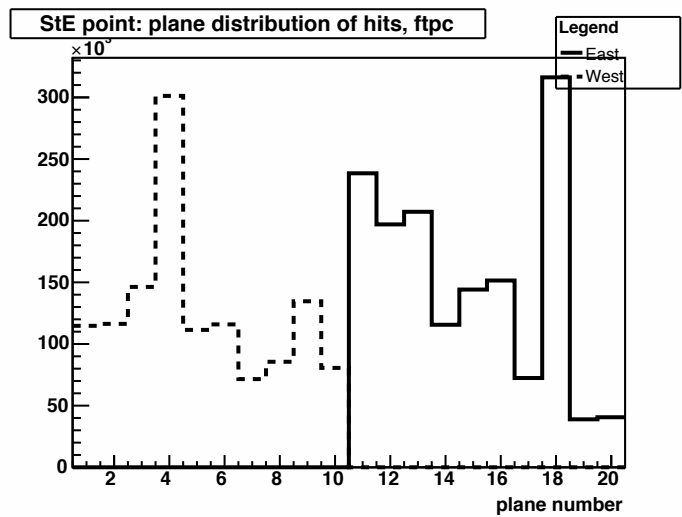
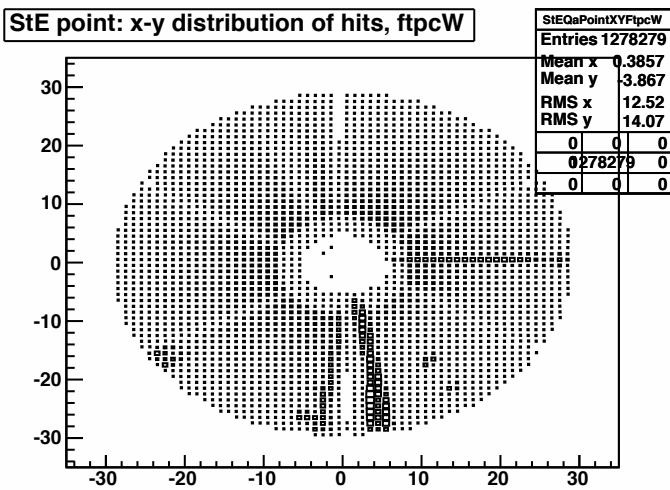
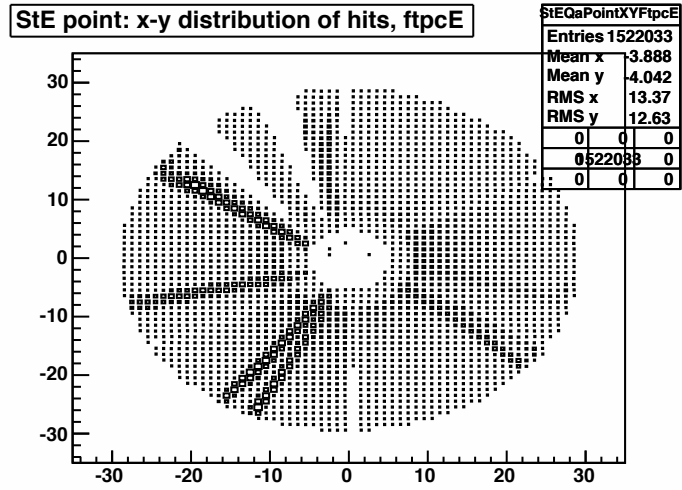
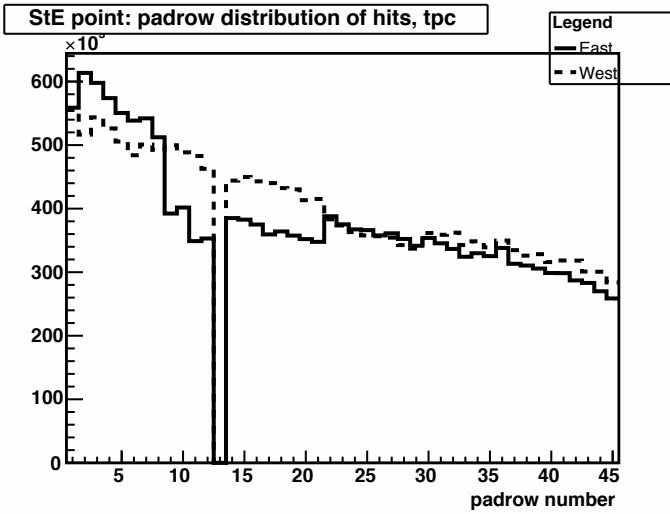
StE point: # hits tpc



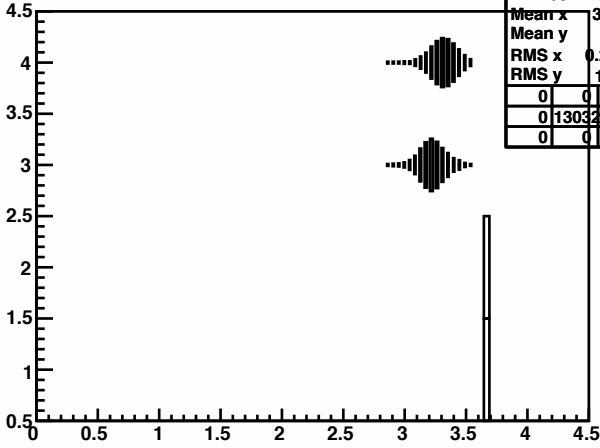
StE point: # hits ftpc





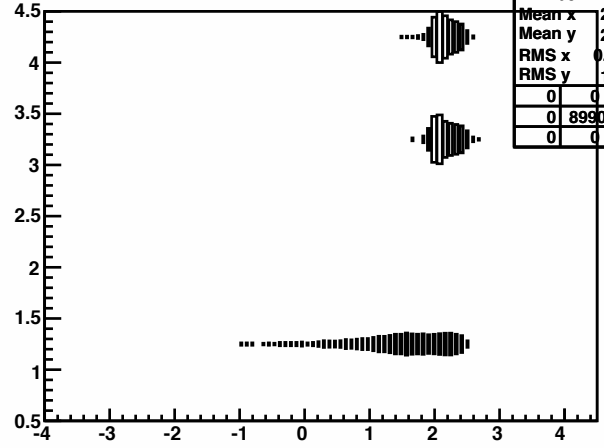


StE emc: Number of hit(log) .vs. Detector #



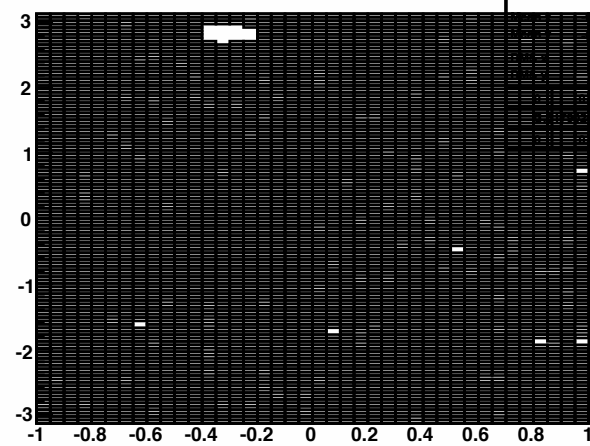
StEEmcNHitsVsDet		
Entries	13032	
Mean x	3.472	
Mean y	2.5	
RMS x	0.2117	
RMS y	1.118	
	0	0
	0	13032
	0	0

StE emc: Total energy(log) .vs. Detector #



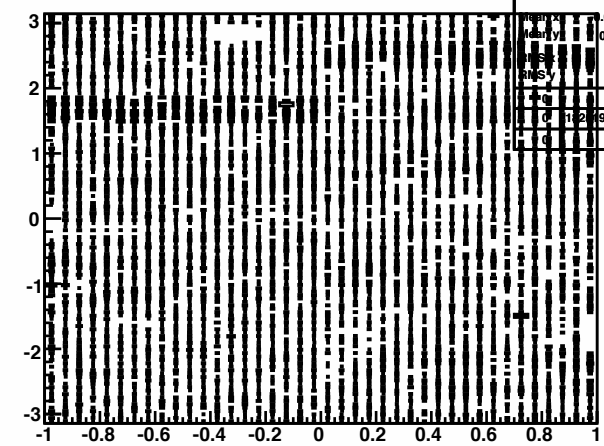
StEEmcEtotVsDet		
Entries	8990	
Mean x	2.014	
Mean y	2.812	
RMS x	0.3842	
RMS y	1.195	
	0	0
	0	8990
	0	0

StE Barrelbmc hits dist.



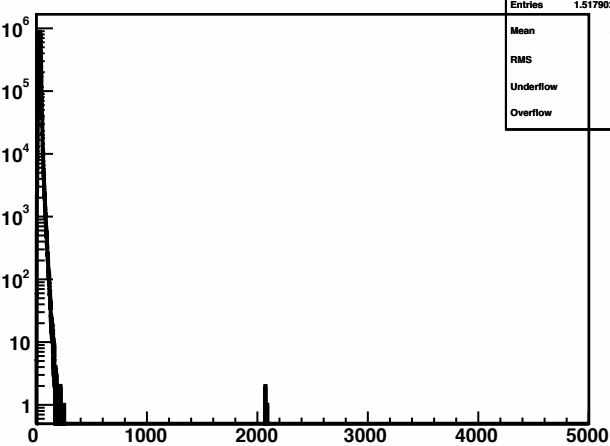
StEBemcHits		
Entries	1.517902e+07	
Mean x	0.002186	
Mean y	0.007481	
RMS x	0.5772	
RMS y	1.809	
	0	0
	0	1.517902e+07
	0	0

StE Barrelbmc energy dist. in eta&phi



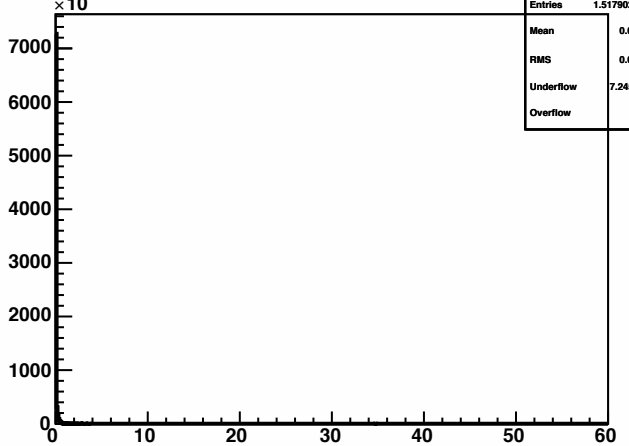
StEBemcEnergy2D		
Entries	1.517902e+07	
Mean x	0.009643	
Mean y	0.07934	
RMS x	0.6105	
RMS y	1.829	
	0	0
	0	1.517902e+07
	0	0

StE Barrelbmc ADC dist.



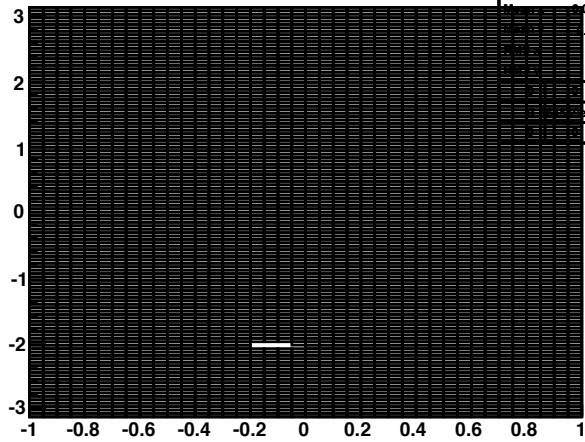
StEBemcAdc	
Entries	1.517902e+07
Mean	31.58
RMS	8.191
Underflow	0
Overflow	0

StE Barrelbmc energy dist.

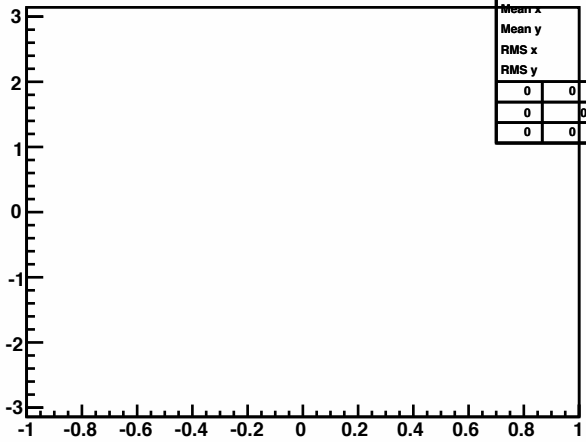


StEBemcEnergy	
Entries	1.517902e+07
Mean	0.04048
RMS	0.09945
Underflow	7.245e+06
Overflow	0

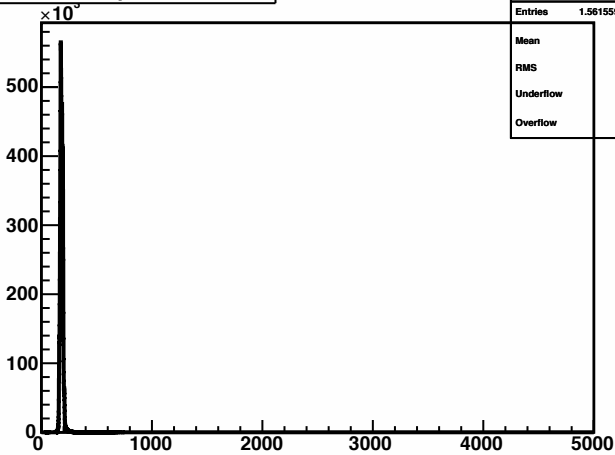
StE Barrelbprs hits dist.



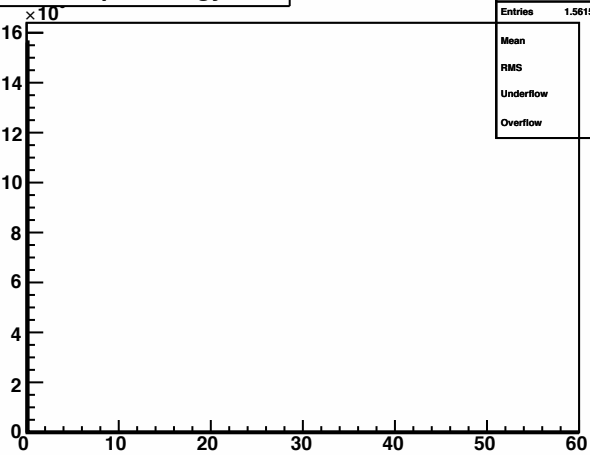
StE Barrelbprs energy dist. in eta&phi



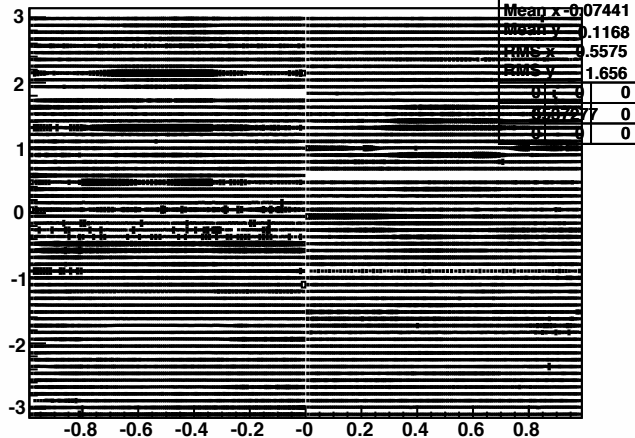
StE Barrelbprs ADC dist.



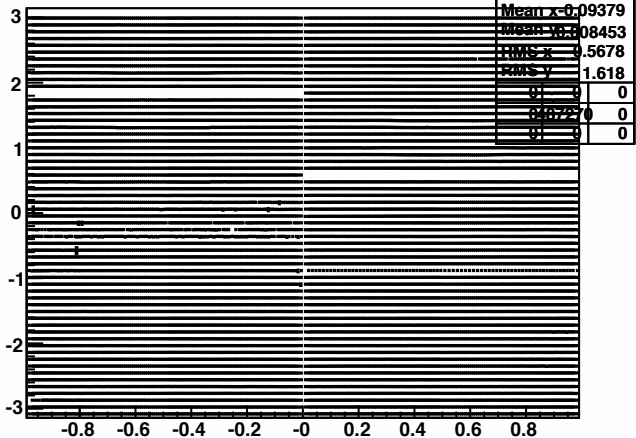
StE Barrelbprs energy dist.



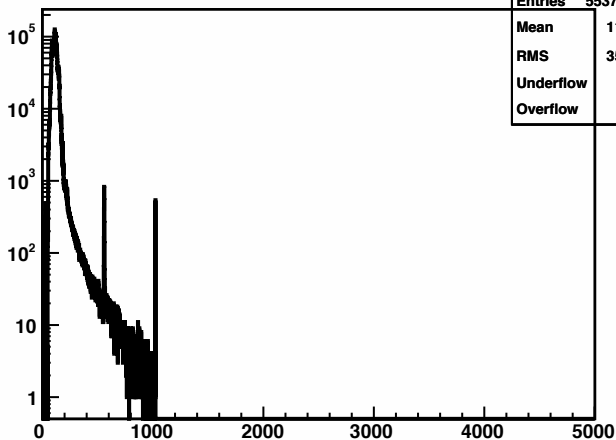
StE Barrelbsmde hits dist.



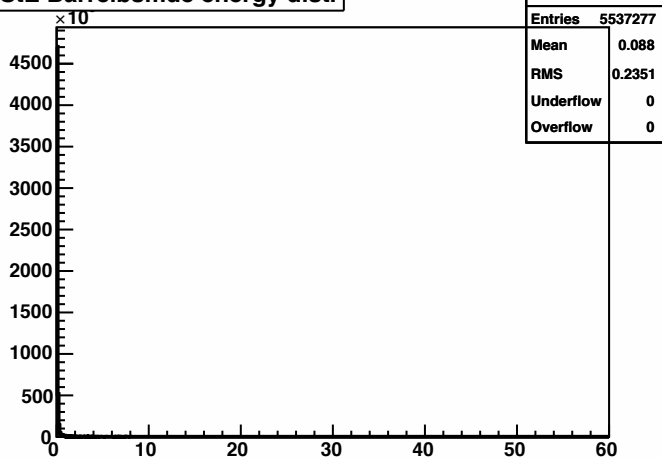
StE Barrelbsmde energy dist. in eta&phi



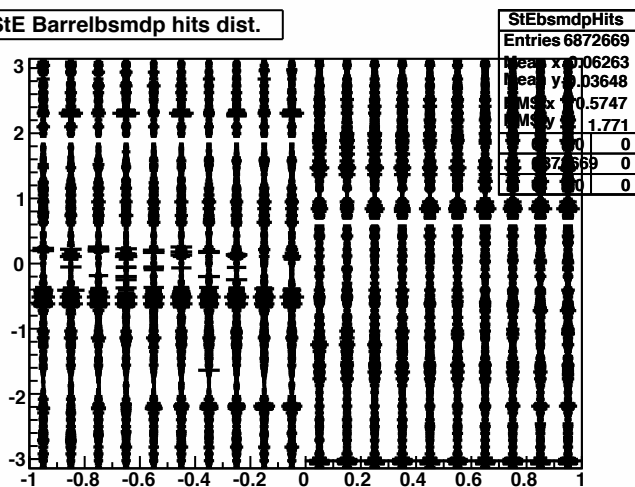
StE Barrelbsmde ADC dist.



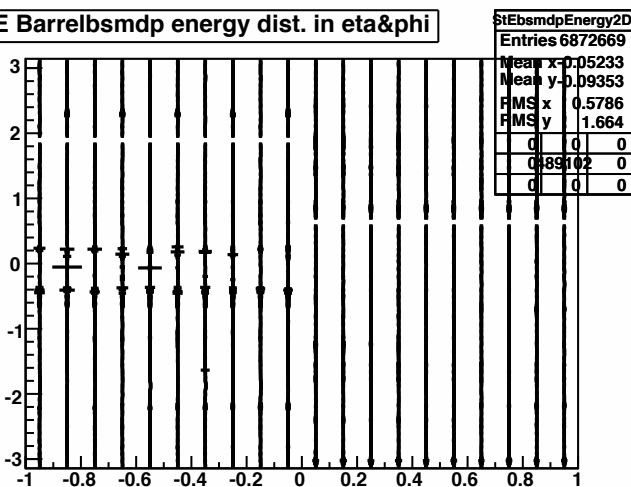
StE Barrelbsmde energy dist.



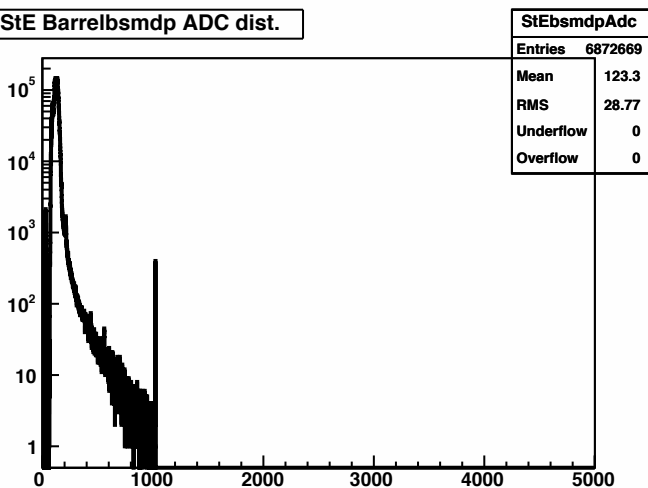
StE Barrelbsmdp hits dist.



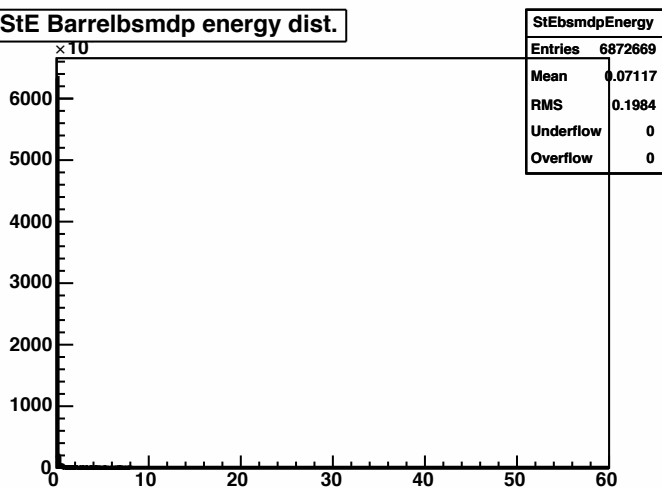
StE Barrelbsmdp energy dist. in eta&phi



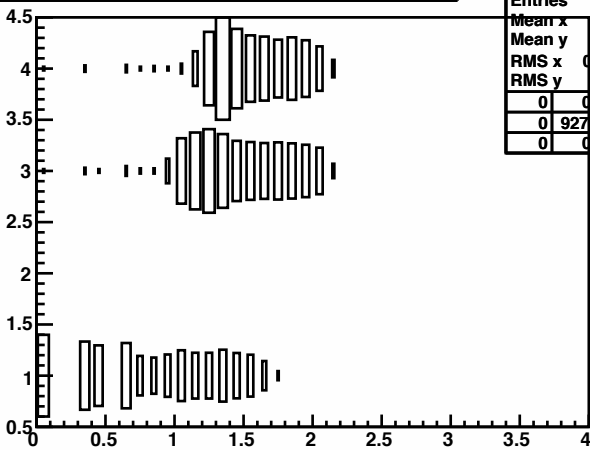
StE Barrelbsmdp ADC dist.



StE Barrelbsmdp energy dist.

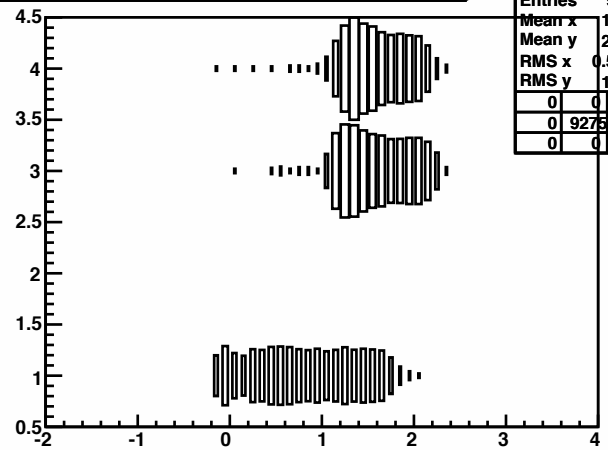


StE emc: Number of cluster(log) .vs. Detector #



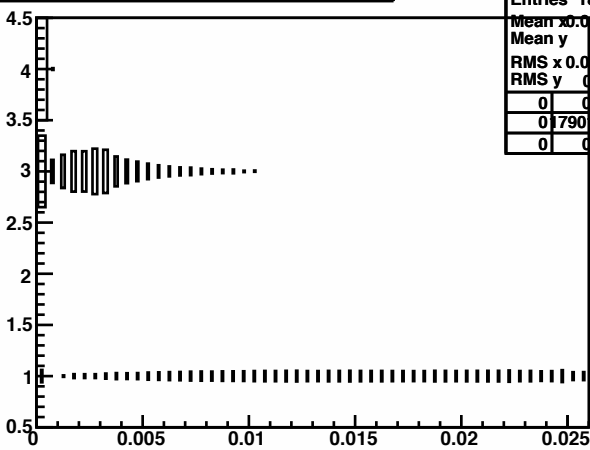
StEEmcNcluster		
Entries	9275	
Mean x	1.271	
Mean y	2.755	
RMS x	0.5054	
RMS y	1.218	
	0	0
	0	9275
	0	0

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



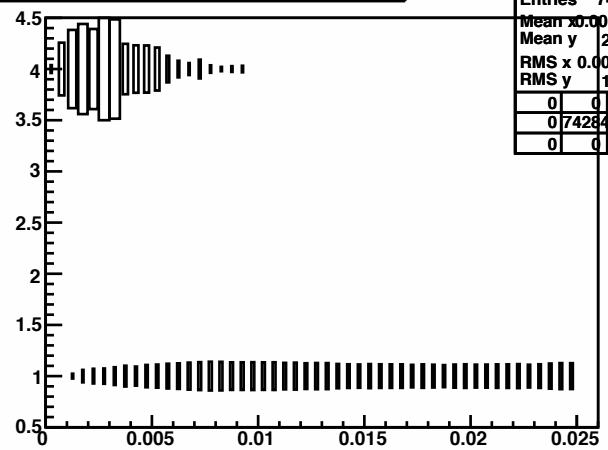
StEEmcEcluster		
Entries	9275	
Mean x	1.346	
Mean y	2.755	
RMS x	0.5305	
RMS y	1.218	
	0	0
	0	9275
	0	0

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



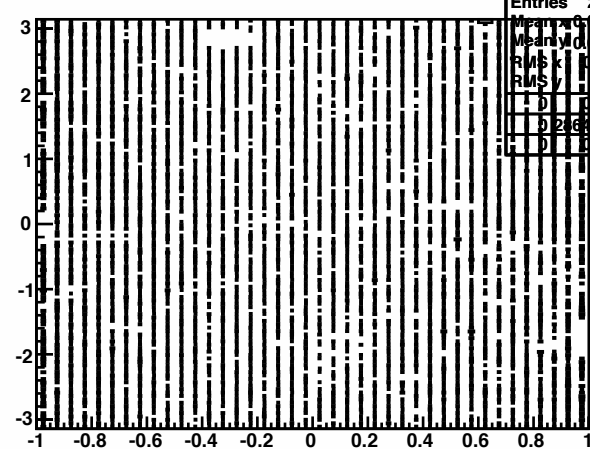
StEEmcRMSeta		
Entries	181405	
Mean x	0.003184	
Mean y	3.05	
RMS x	0.005594	
RMS y	0.9478	
	0	0
	0	17901
	0	12394

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



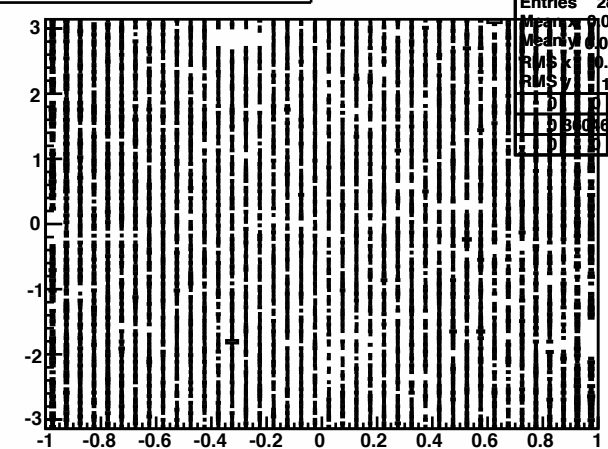
StEEmcRMSphi		
Entries	74284	
Mean x	0.006373	
Mean y	2.995	
RMS x	0.006371	
RMS y	1.416	
	0	0
	0	74284
	0	0

StE bemc cluster



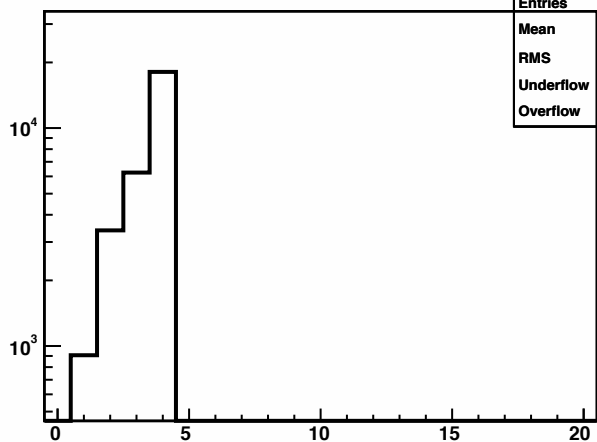
StEbemc_cluster		
Entries	28643	
Mean x	0.04675	
Mean y	0.6394	
RMS x	0.6864	
RMS y	1.841	
	0	0
	0	28643
	0	0

StE bemc energy of cluster

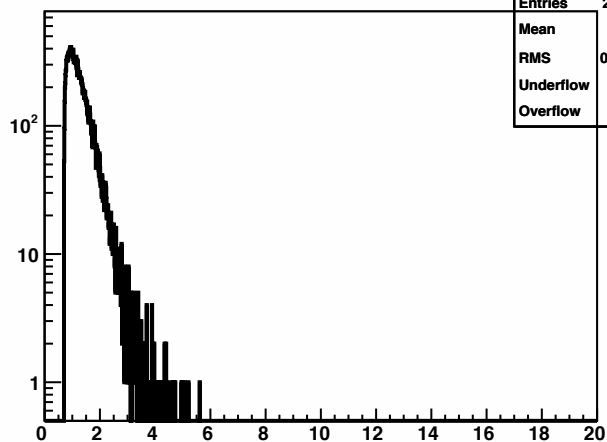


StEbemc_cluster_energy		
Entries	28643	
Mean x	0.04911	
Mean y	0.6518	
RMS x	0.6952	
RMS y	1.837	
	0	0
	0	28643
	0	0

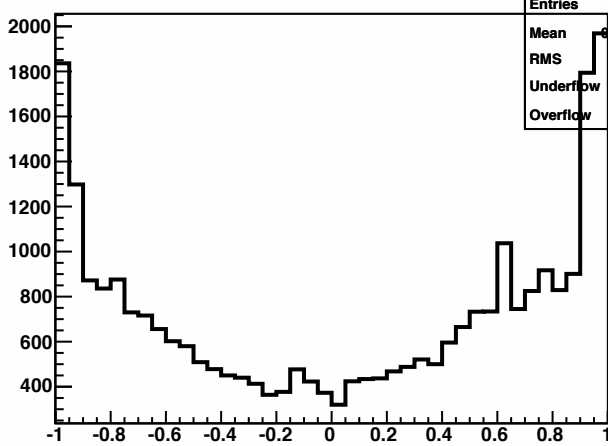
StE Number hits in cluster for bemc



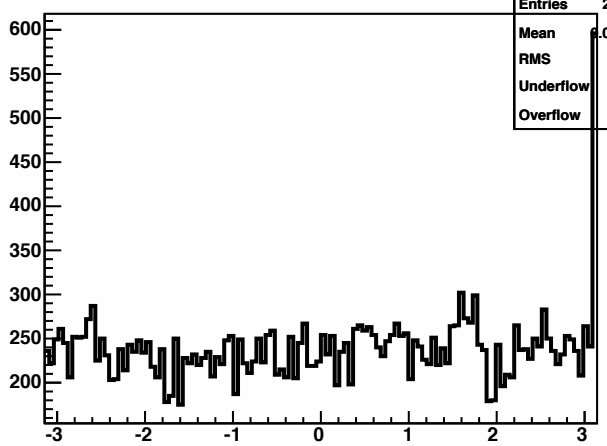
StE Energy of cluster for bemc



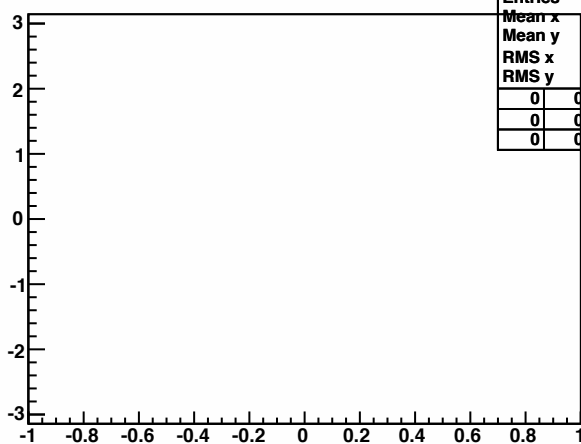
StE Eta of clusters for bemc



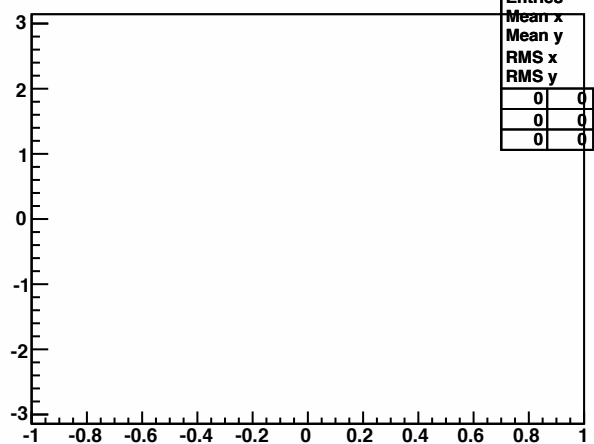
StE Phi of clusters for bemc



StE bprs cluster

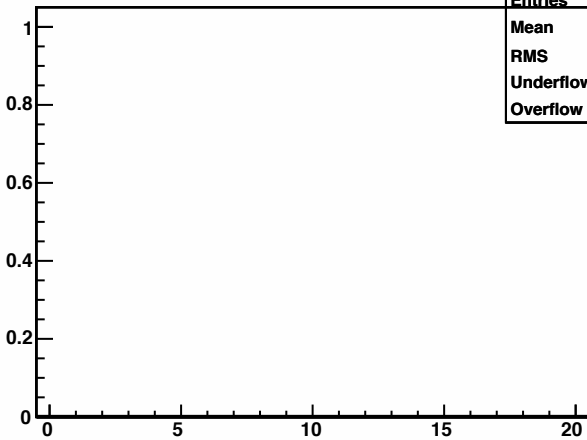


StE bprs energy of cluster



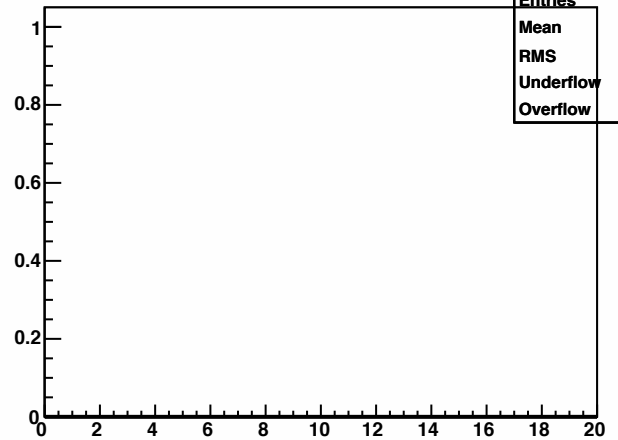
StE Number hits in cluster for bprs

StEbprsCINum	
Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0



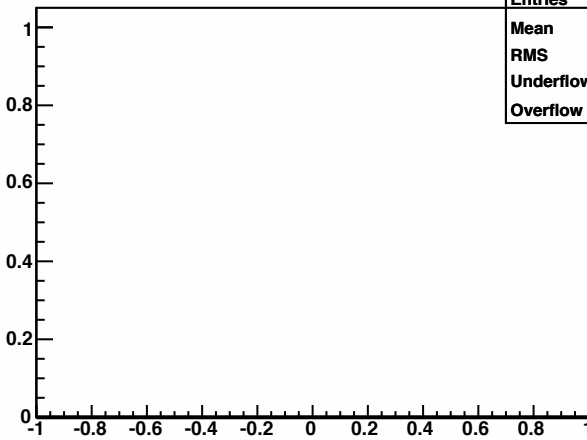
StE Energy of cluster for bprs

StEbprsCIEnergy	
Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0



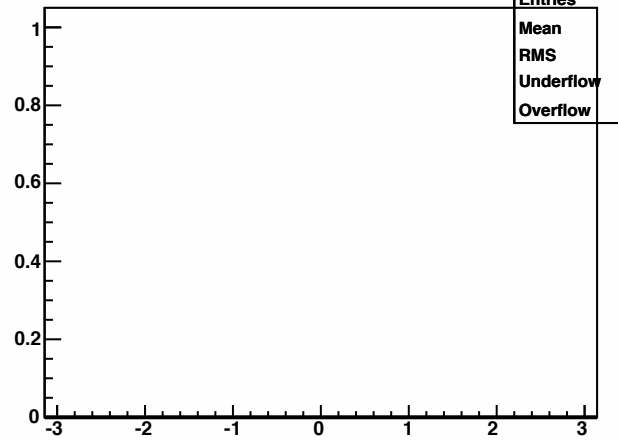
StE Eta of clusters for bprs

StEbprsEta	
Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0



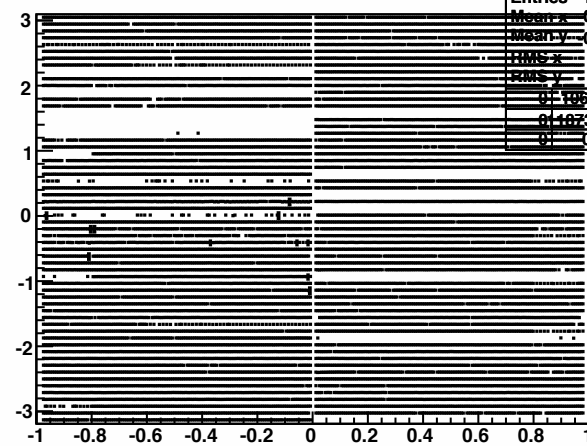
StE Phi of clusters for bprs

StEbprsPhi	
Entries	0
Mean	0
RMS	0
Underflow	0
Overflow	0



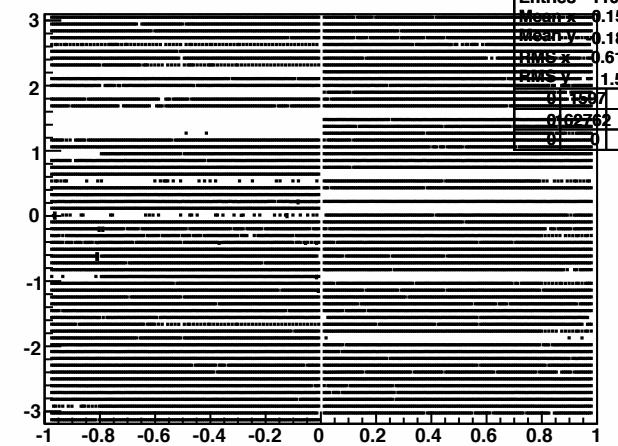
StE bsmde cluster

StEbsmde_cluster	
Entries	119791
Mean x	0.1156
Mean y	0.1965
RMS x	0.571
RMS y	1.57
Underflow	0
Overflow	0

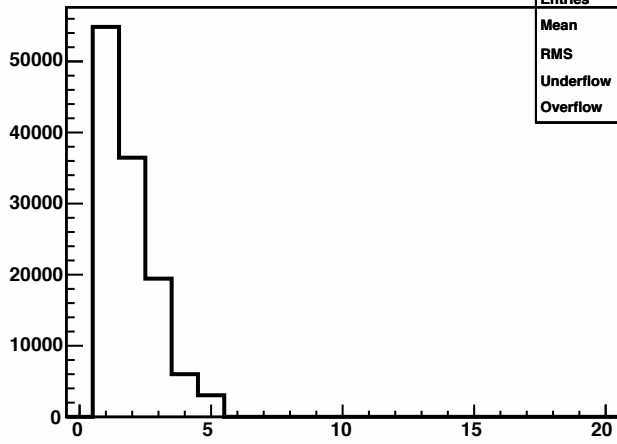


StE bsmde energy of cluster

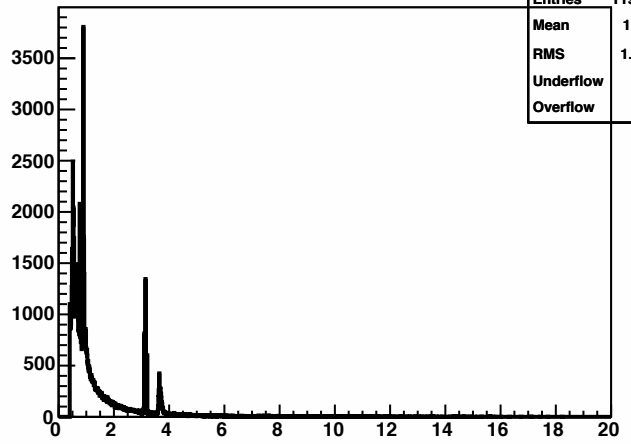
StEbsmde_cluster_energy	
Entries	119791
Mean x	0.1562
Mean y	0.1858
RMS x	0.6126
RMS y	1.587
Underflow	0
Overflow	0



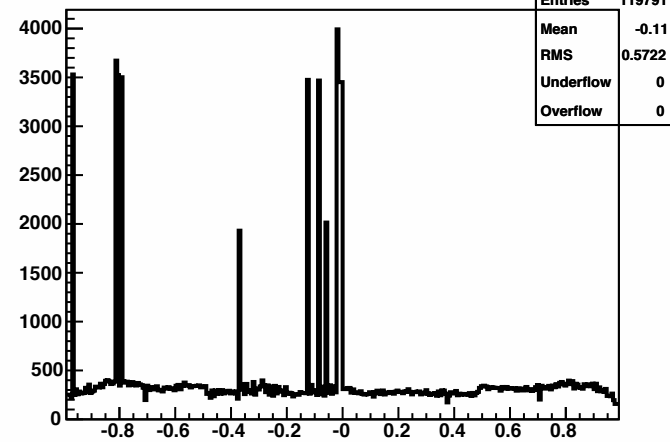
StE Number hits in cluster for bsmde



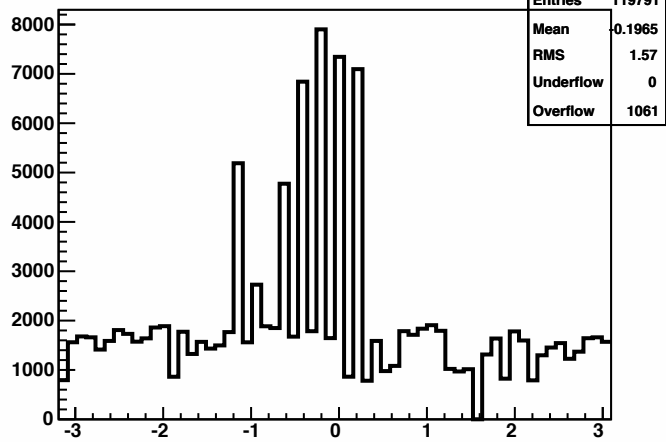
StE Energy of cluster for bsmde



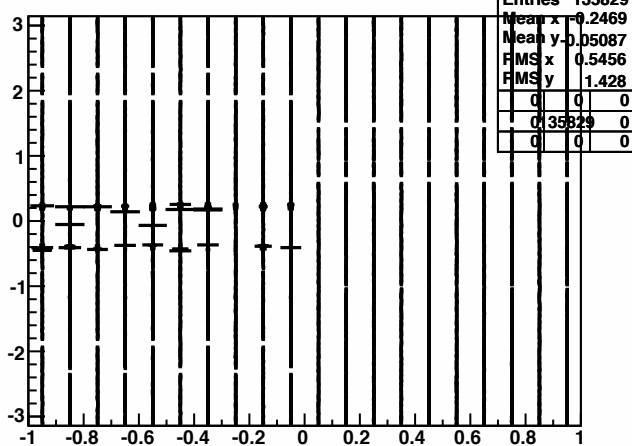
StE Eta of clusters for bsmde



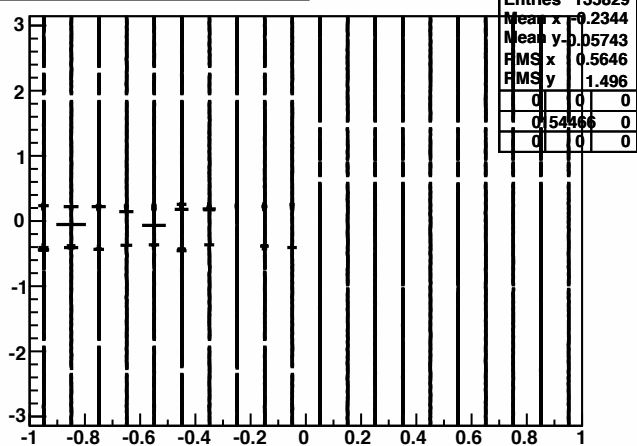
StE Phi of clusters for bsmde



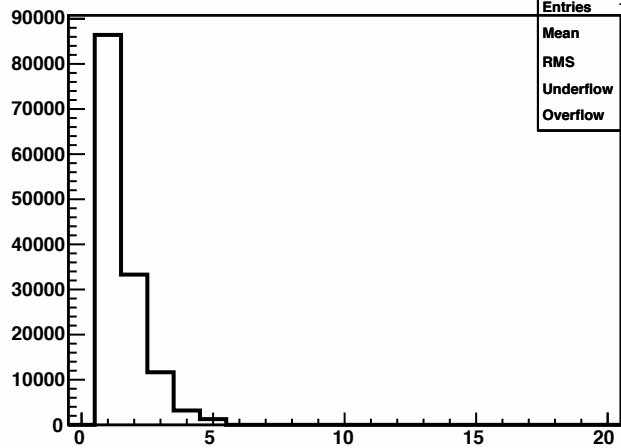
StE bsmdp cluster



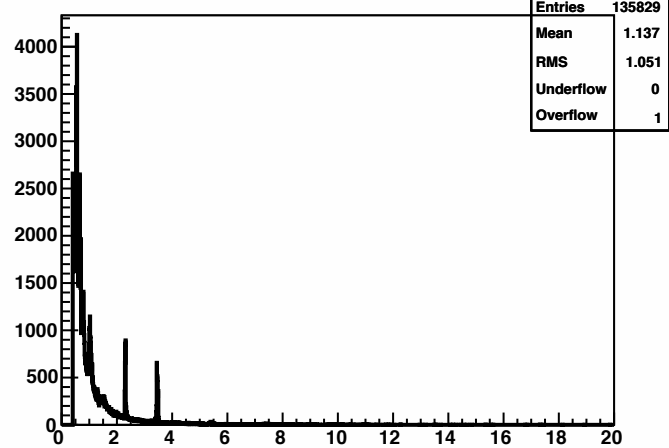
StE bsmdp energy of cluster



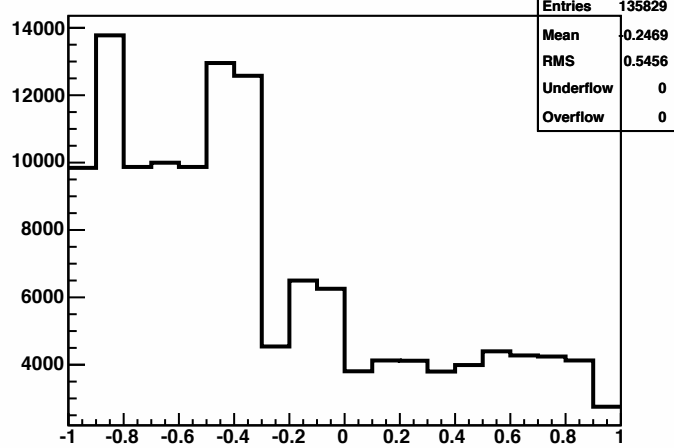
StE Number hits in cluster for bsmdp



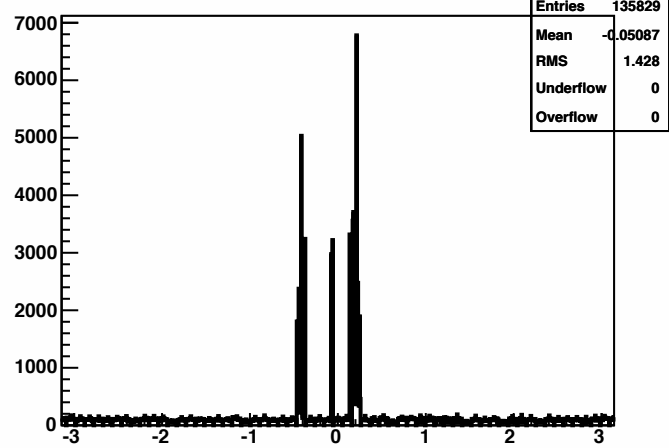
StE Energy of cluster for bsmdp



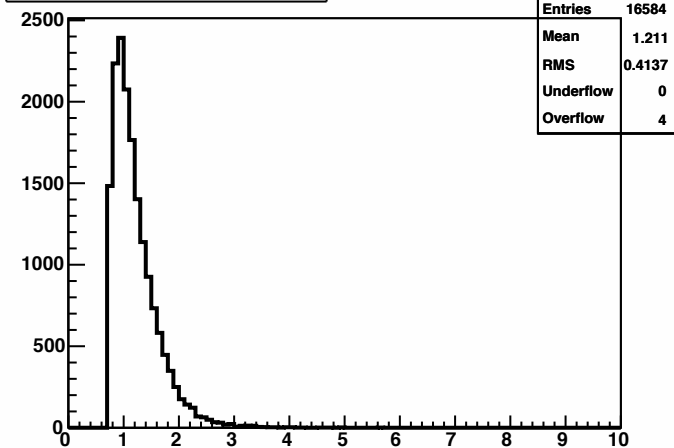
StE Eta of clusters for bsmdp



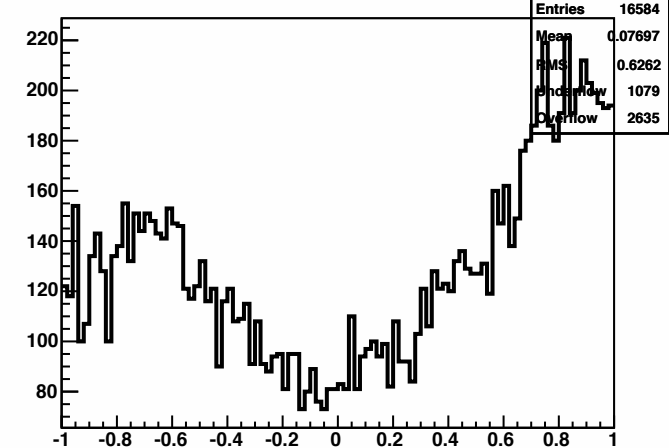
StE Phi of clusters for bsmdp



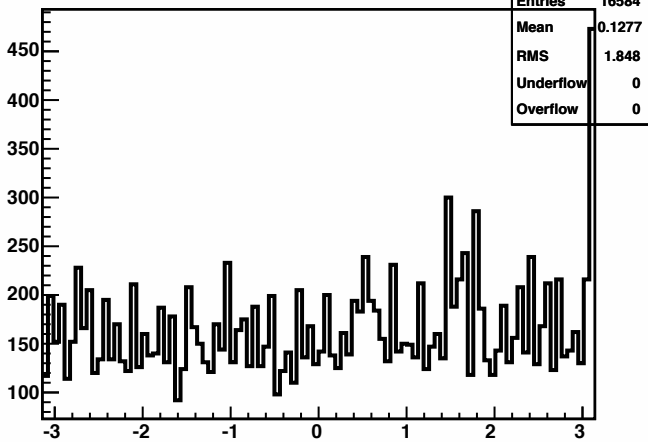
StE EmcCat1 Point Energy



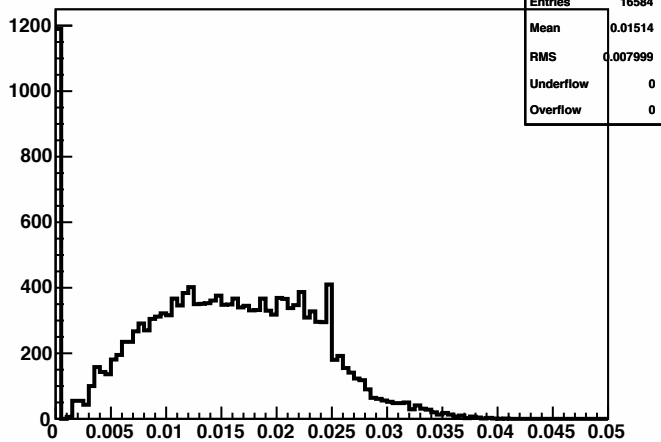
StE EmcCat1 Point Eta



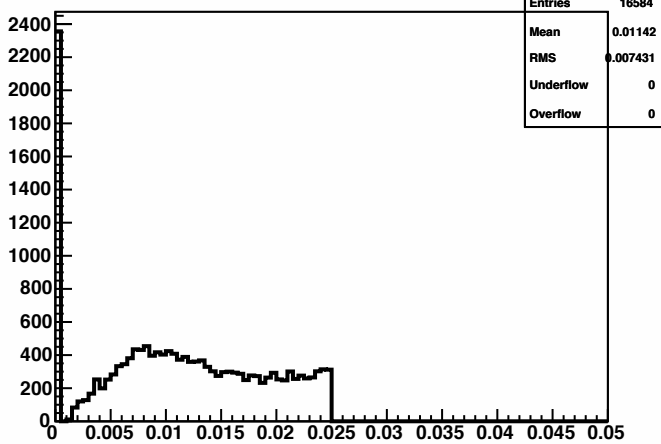
StE EmcCat1 Point Phi



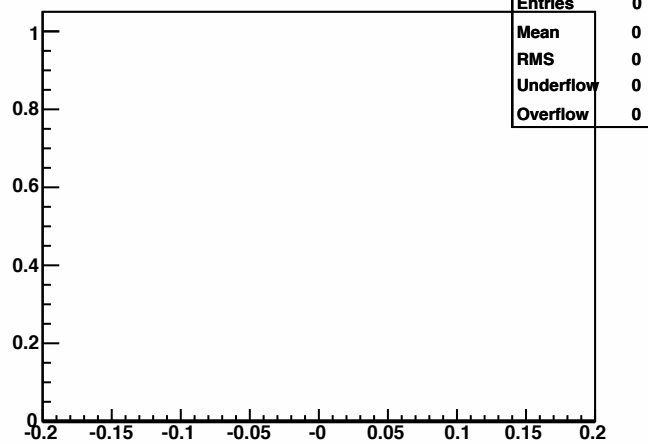
StE EmcCat1 Sigma Eta



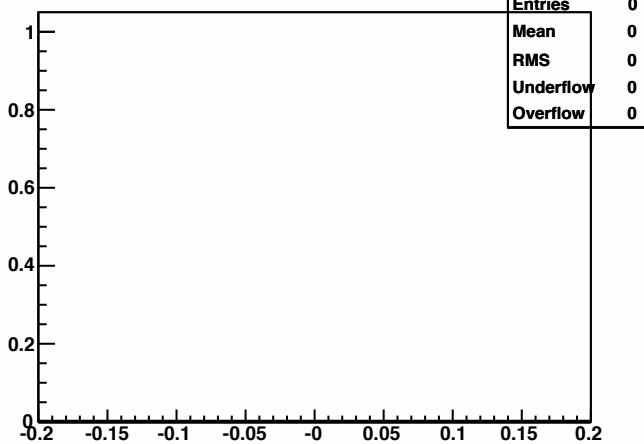
StE EmcCat1 Sigma Phi



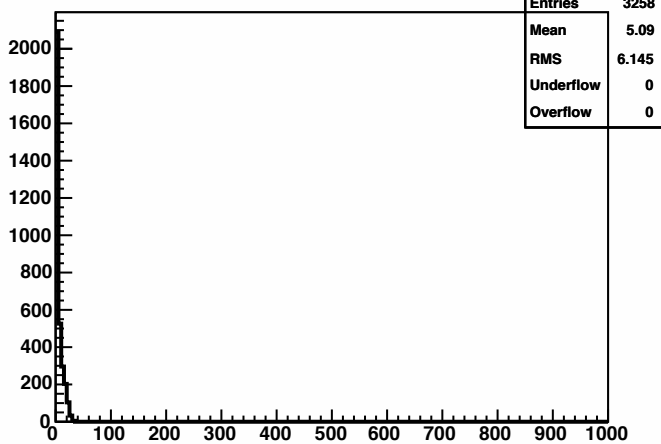
StE EmcCat1 Delta Eta



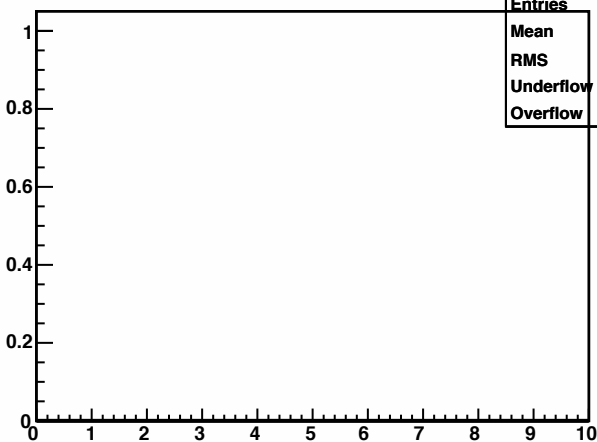
StE EmcCat1 Delta Phi



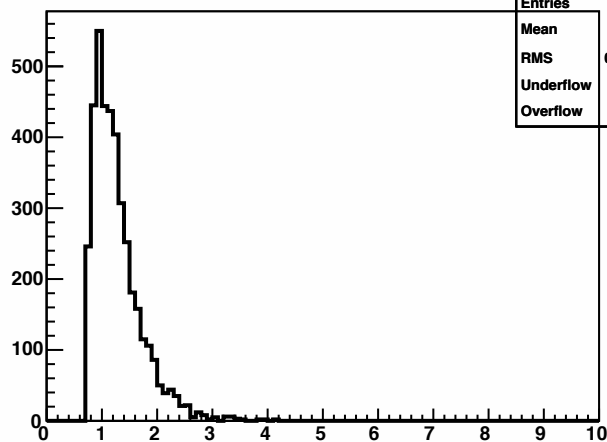
StE EmcCat1 Points Multiplicity



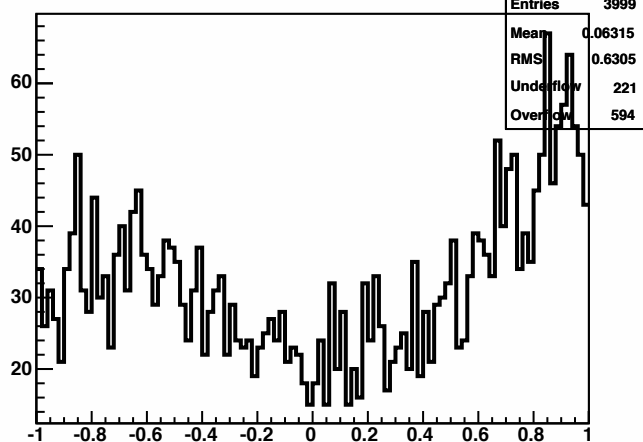
StE EmcCat1 Track Momenta



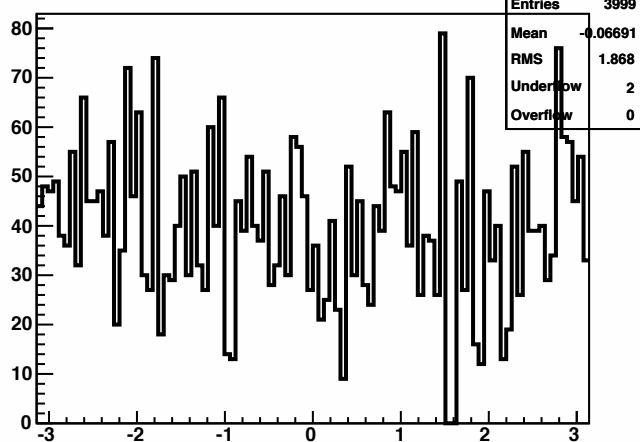
StE EmcCat2 Point Energy



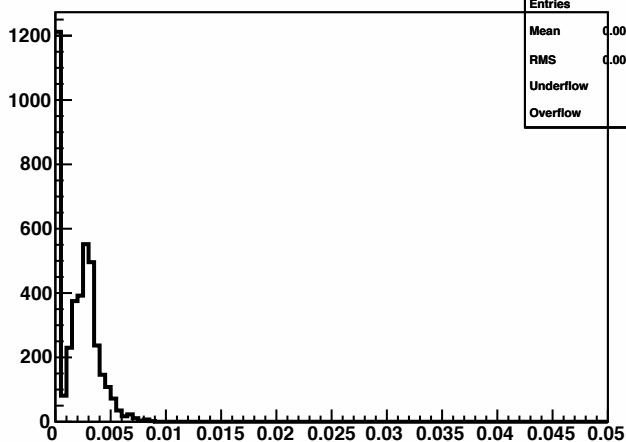
StE EmcCat2 Point Eta



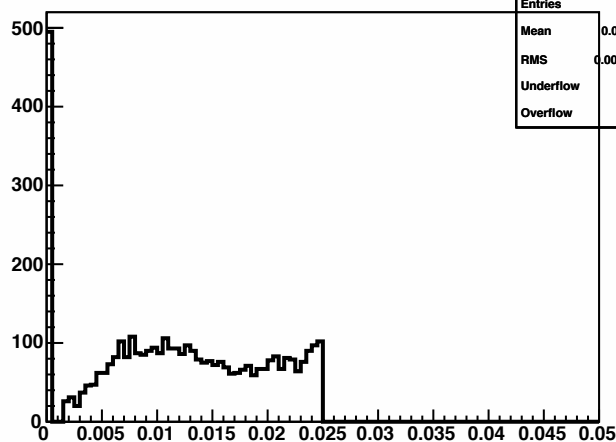
StE EmcCat2 Point Phi



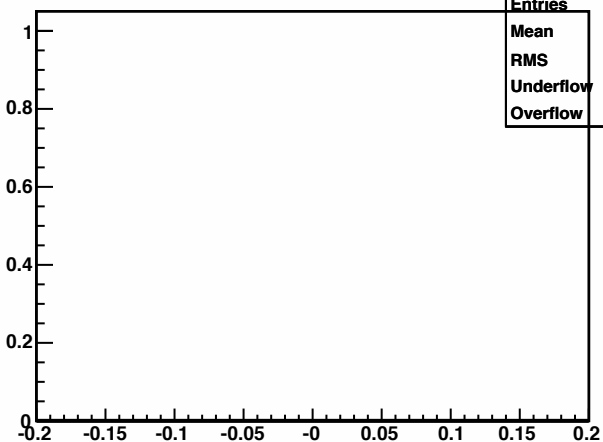
StE EmcCat2 Sigma Eta



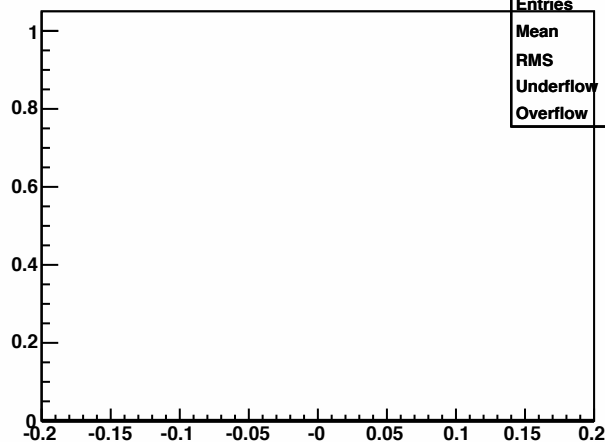
StE EmcCat2 Sigma Phi



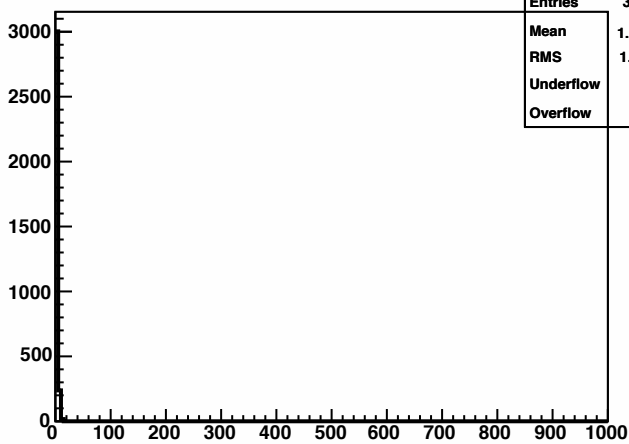
StE EmcCat2 Delta Eta



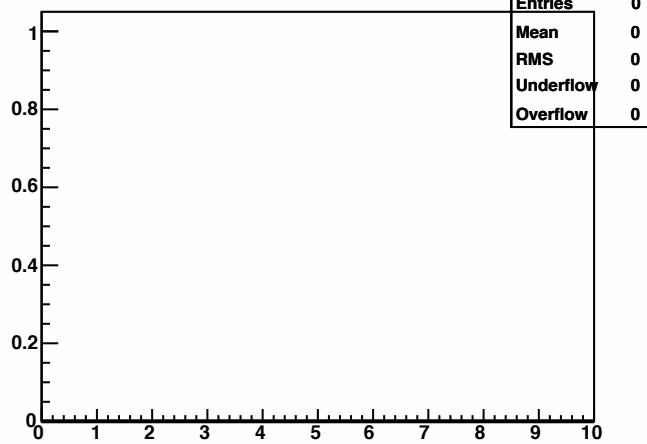
StE EmcCat2 Delta Phi



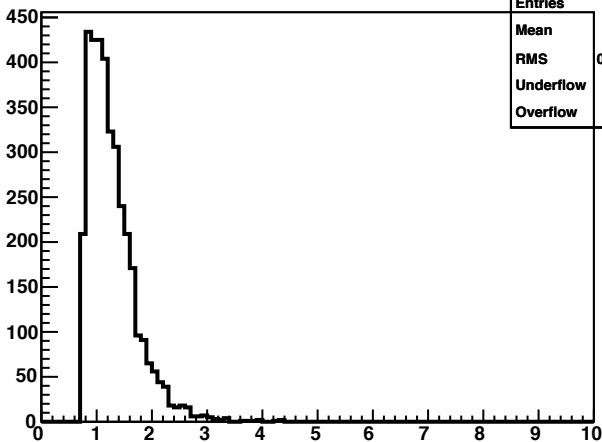
StE EmcCat2 Points Multiplicity



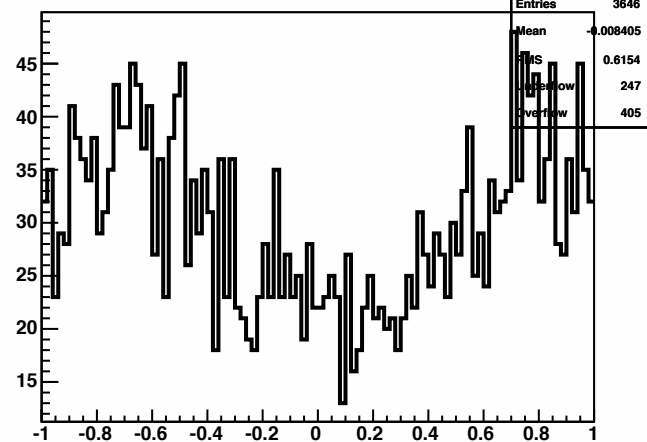
StE EmcCat2 Track Momenta



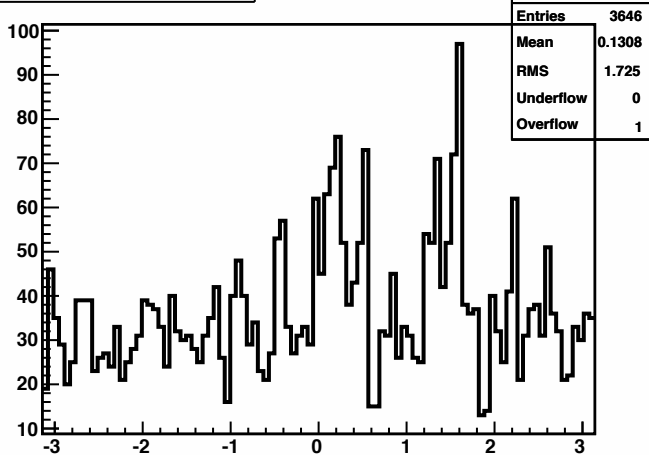
StE EmcCat3 Point Energy



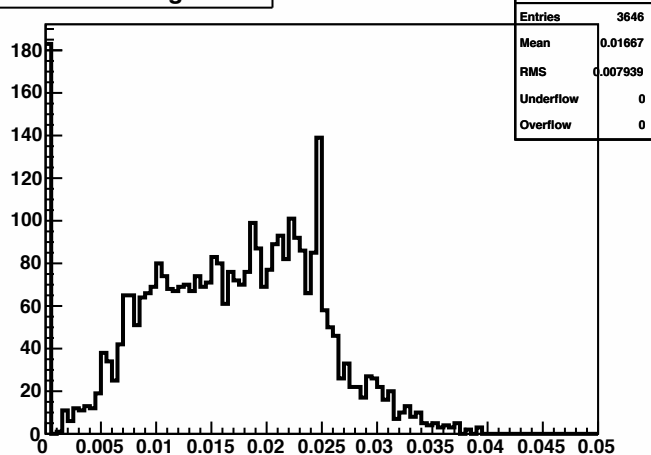
StE EmcCat3 Point Eta



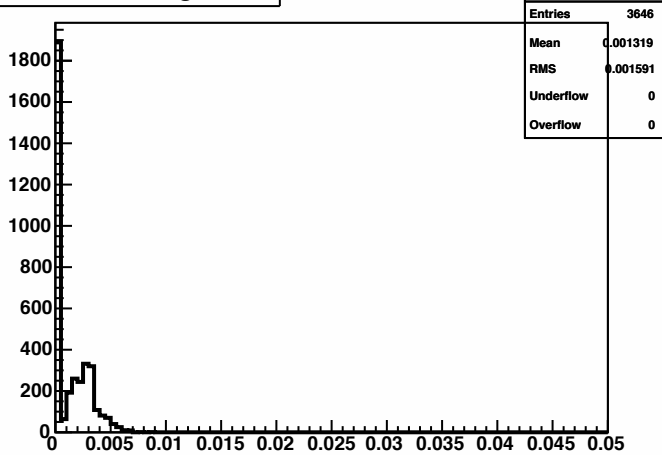
StE EmcCat3 Point Phi



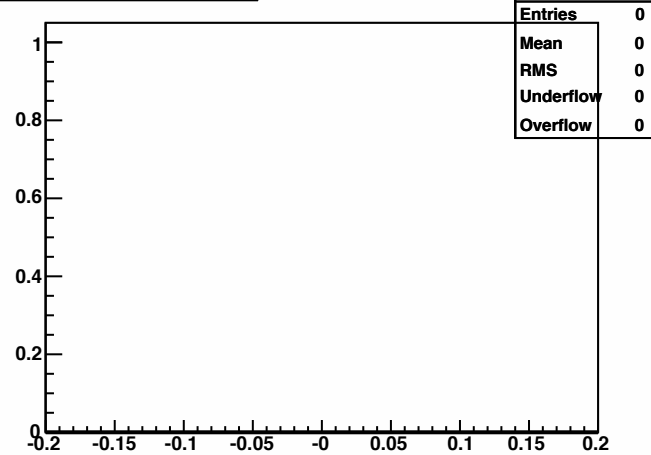
StE EmcCat3 Sigma Eta



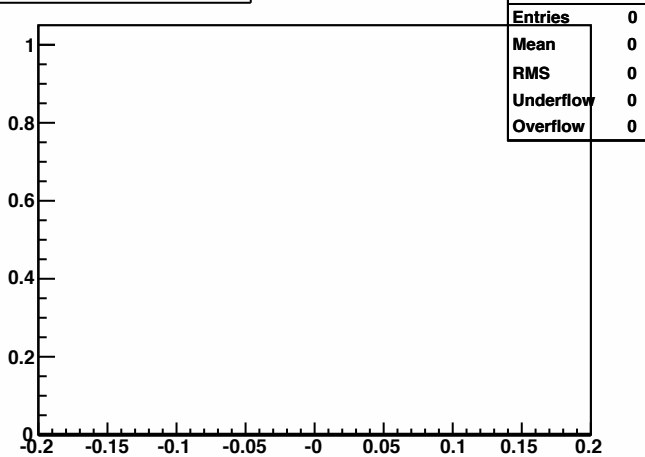
StE EmcCat3 Sigma Phi



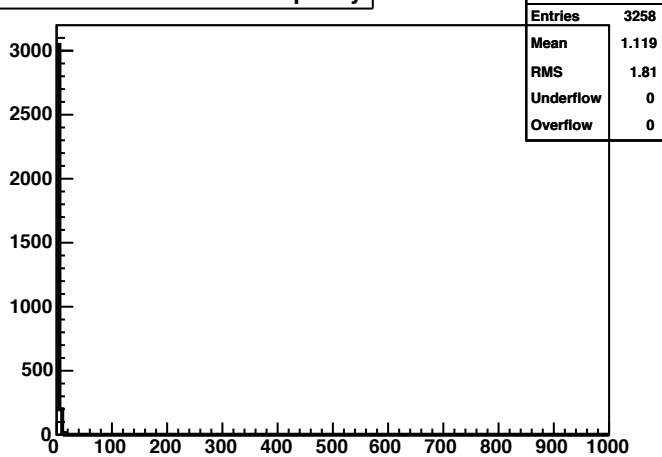
StE EmcCat3 Delta Eta



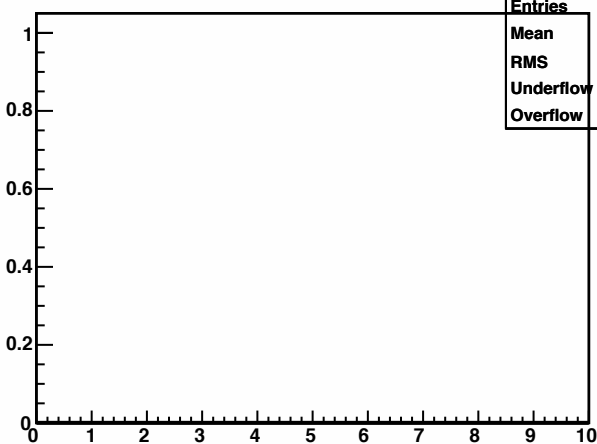
StE EmcCat3 Delta Phi



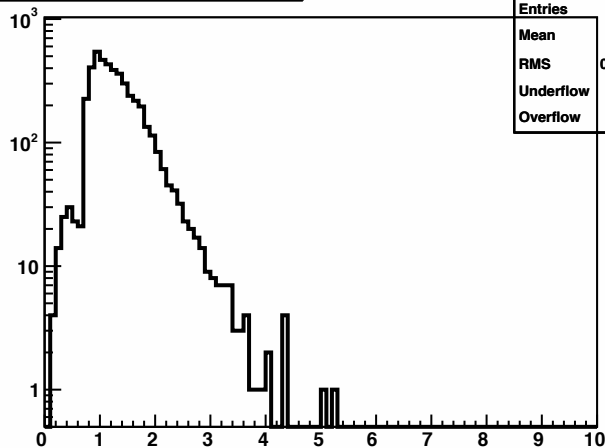
StE EmcCat3 Points Multiplicity



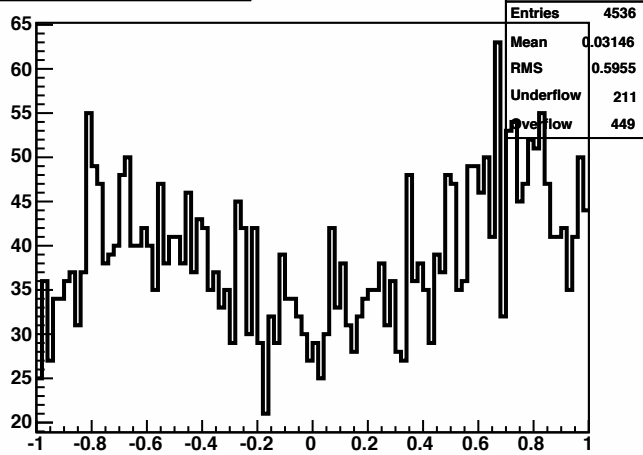
StE EmcCat3 Track Momenta



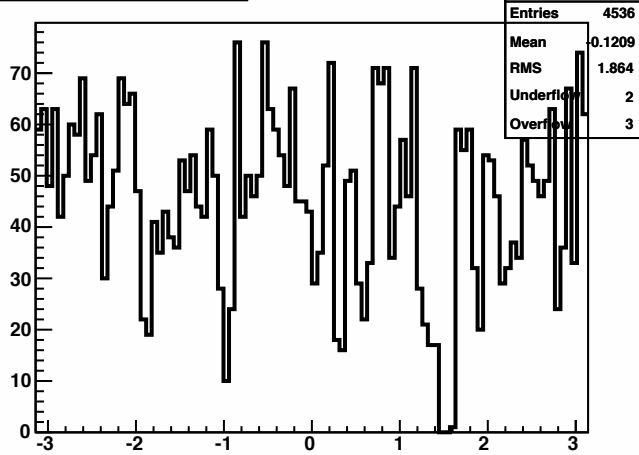
StE EmcCat4 Point Energy



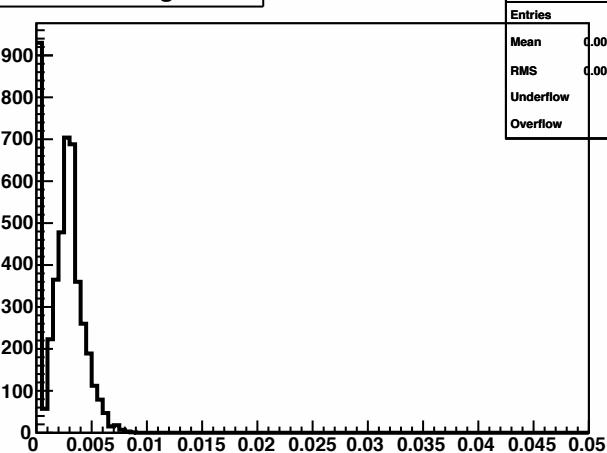
StE EmcCat4 Point Eta



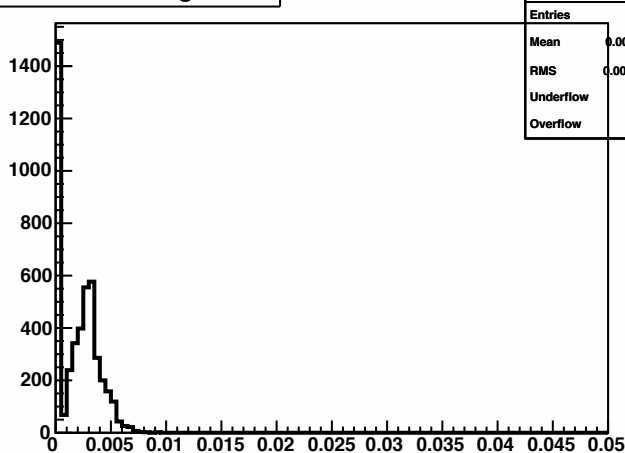
StE EmcCat4 Point Phi



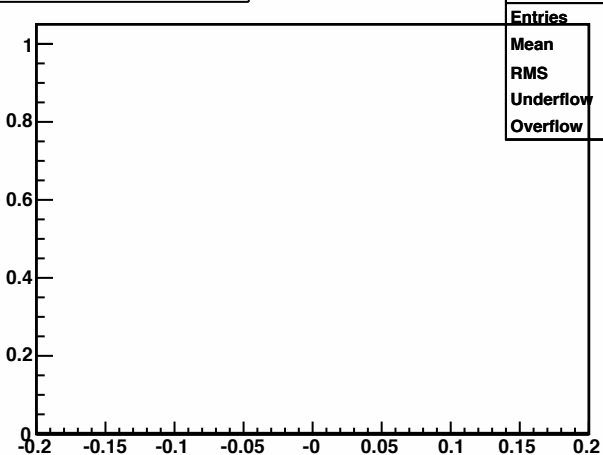
StE EmcCat4 Sigma Eta



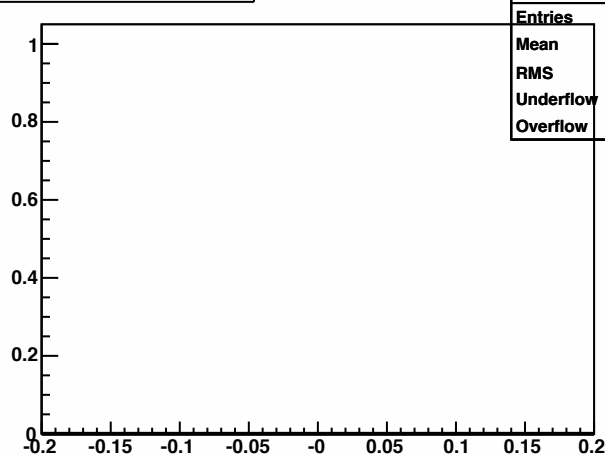
StE EmcCat4 Sigma Phi



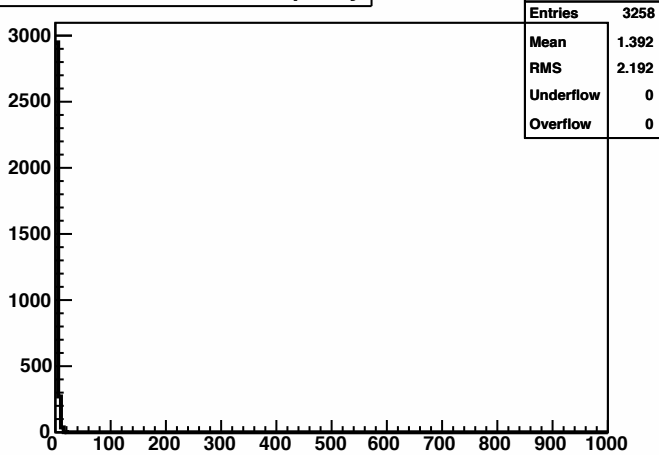
StE EmcCat4 Delta Eta



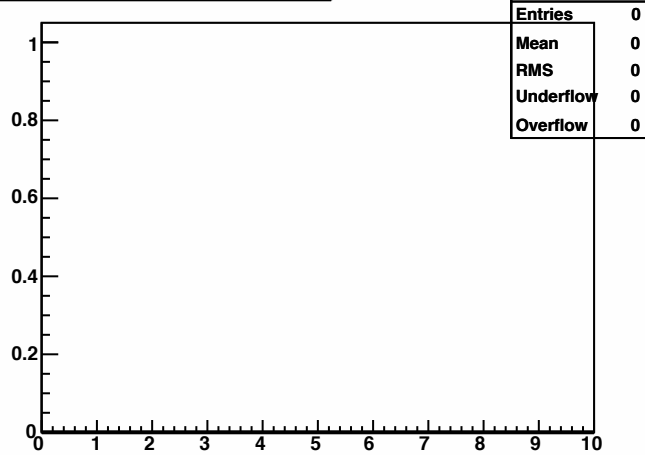
StE EmcCat4 Delta Phi



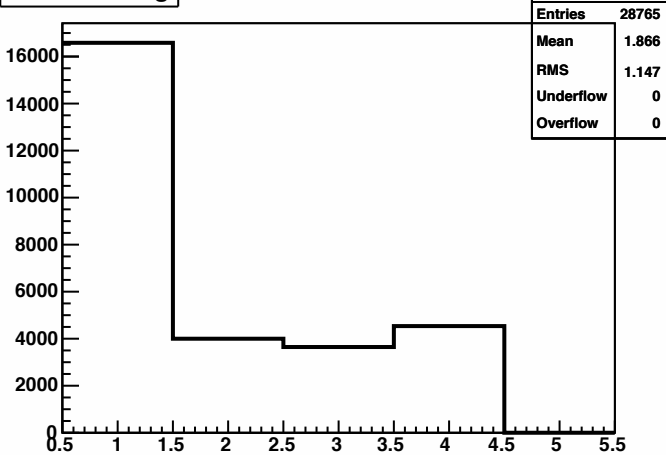
StE EmcCat4 Points Multiplicity



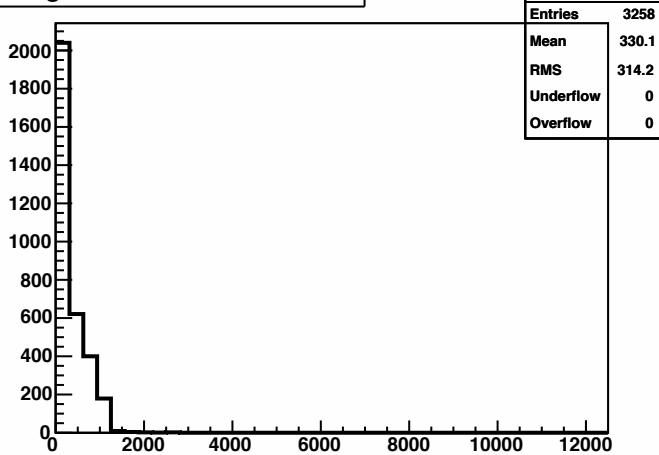
StE EmcCat4 Track Momenta



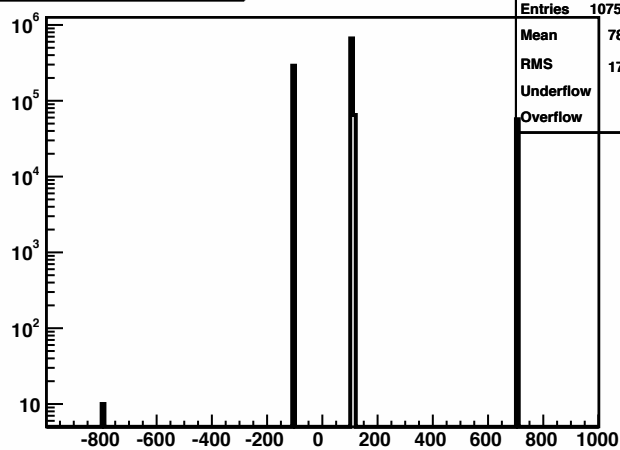
StE Point Flag



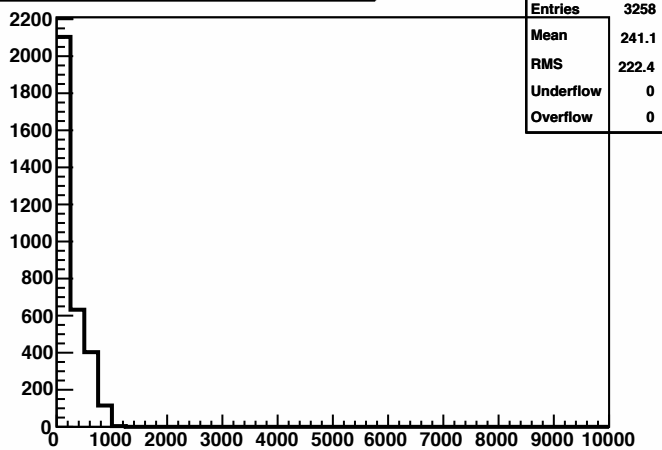
StE globtrk: tot num tracks - all



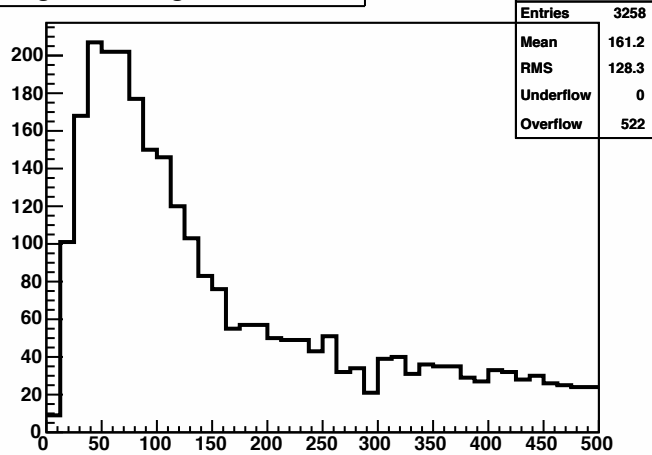
StE globtrk: iflag - all



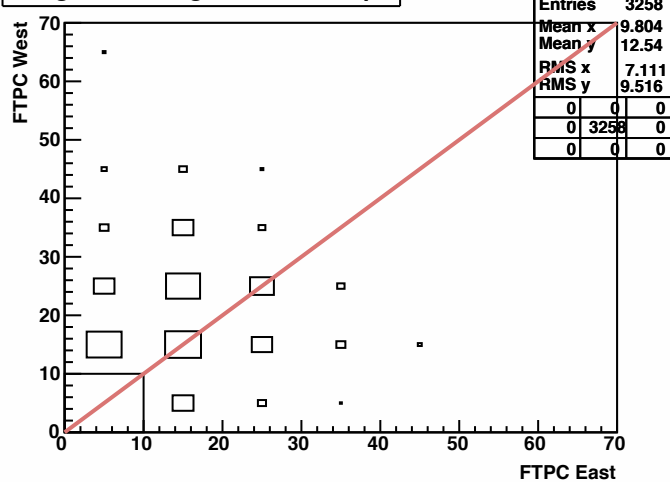
StE globtrk: tot good tracks - all



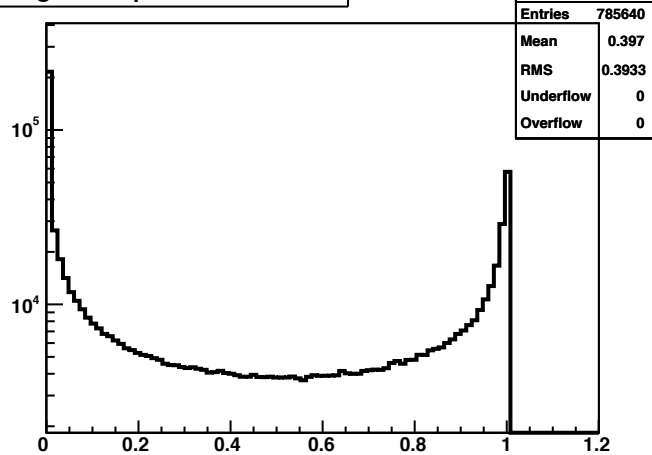
StE globtrk: tot good tracks - all



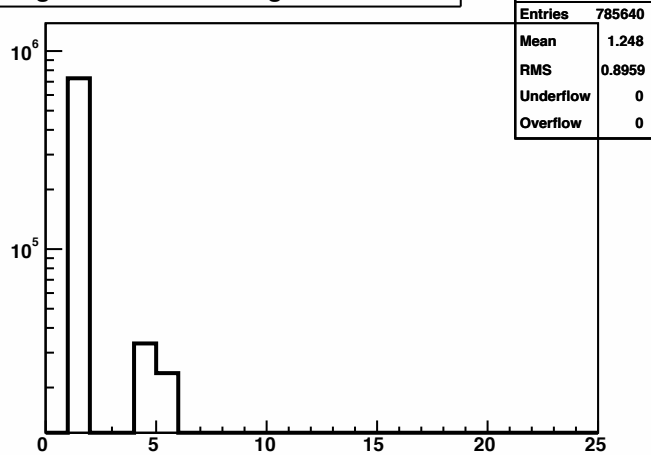
StE globtrk: tot good tracks - ftpc



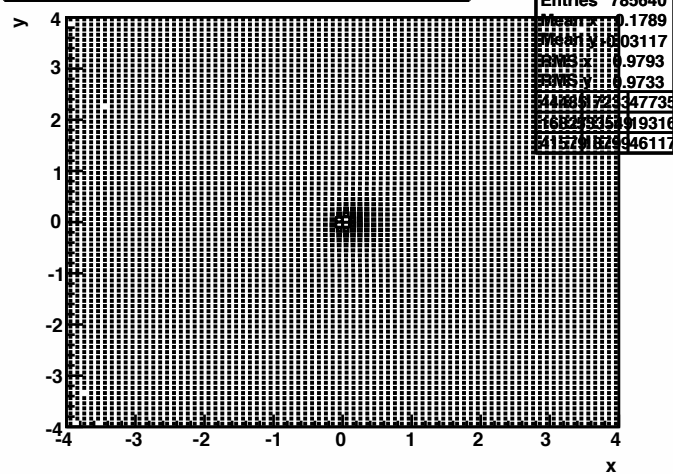
StE globtrk: prob. fit is correct



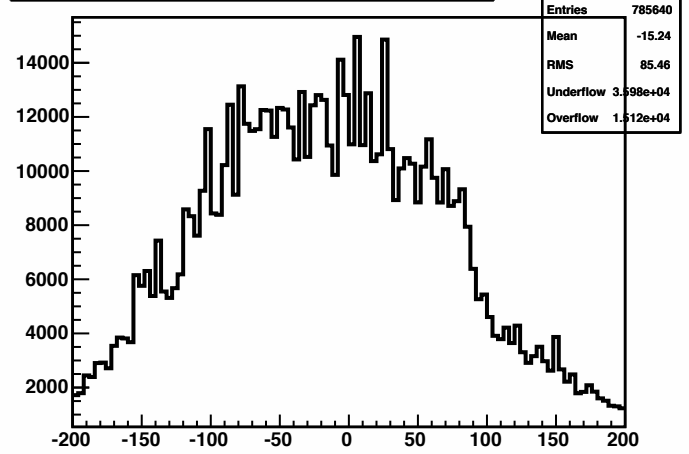
StE globtrk: Detector ID good tracks - all



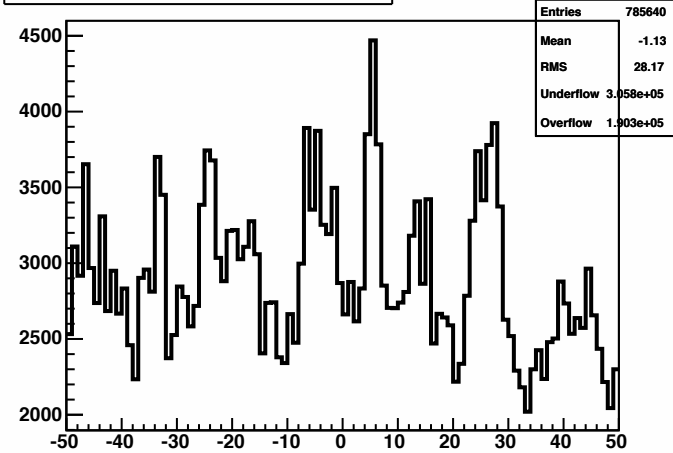
StE globtrk: xy-DCA to Beam Axis (z=0)



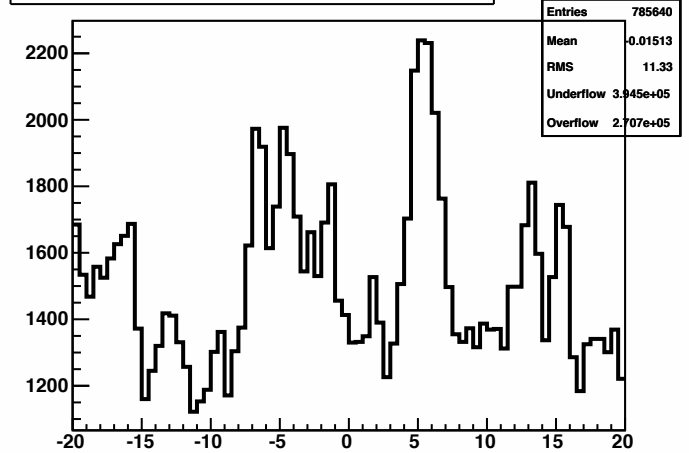
StE globtrk: z-DCA to Beam Axis, coarse scale



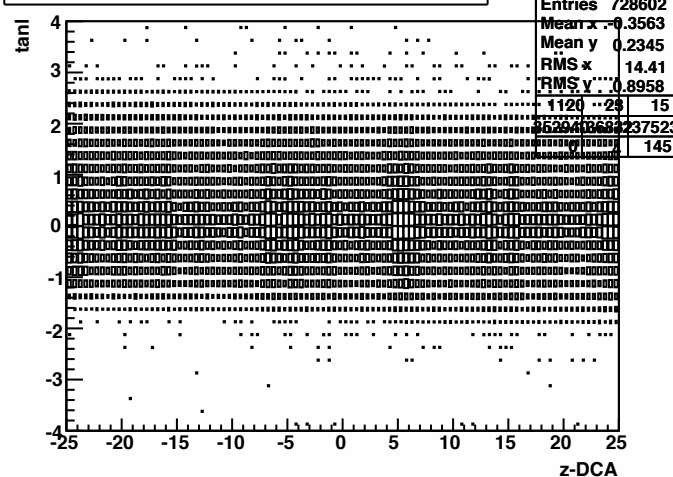
StE globtrk: z-DCA to Beam Axis



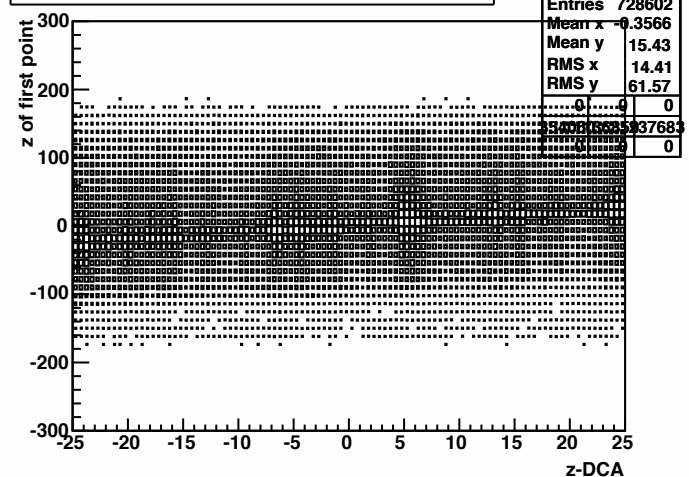
StE globtrk: z-DCA to Beam Axis, near z=0



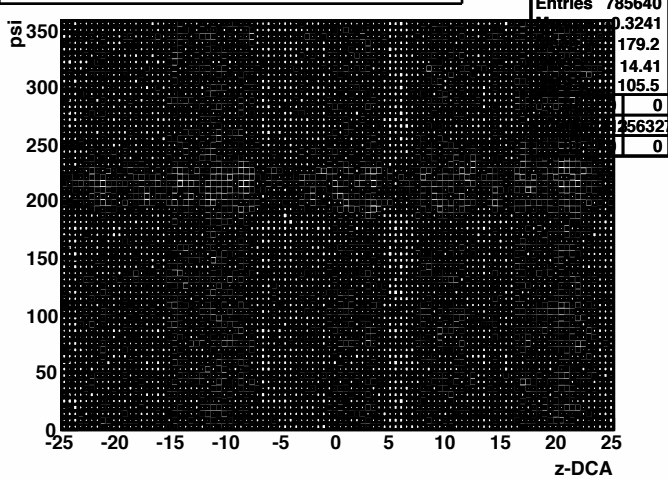
StE globtrk: z-DCA to Beam Axis vs tan1, tpc



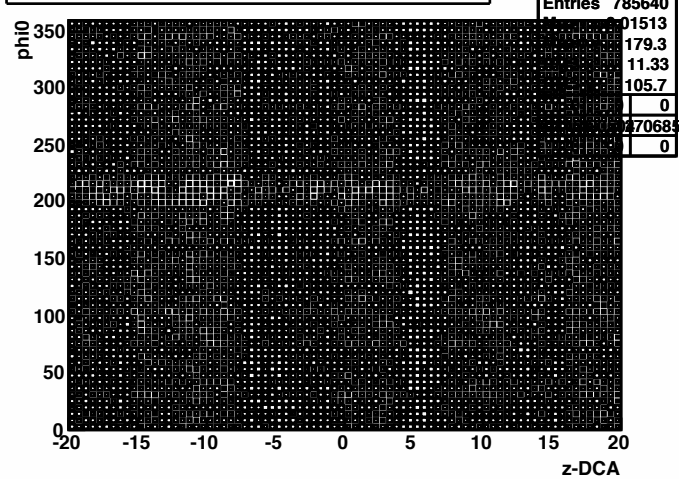
StE globtrk: z-DCA to Beam Axis vs z-first



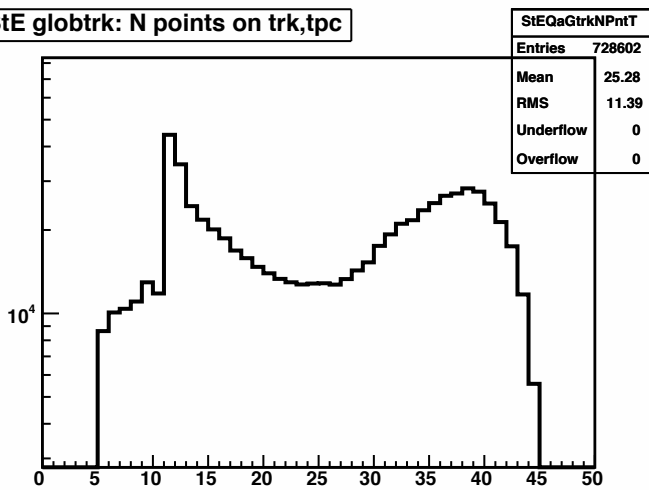
StE globtrk: z-DCA to Beam Axis vs psi



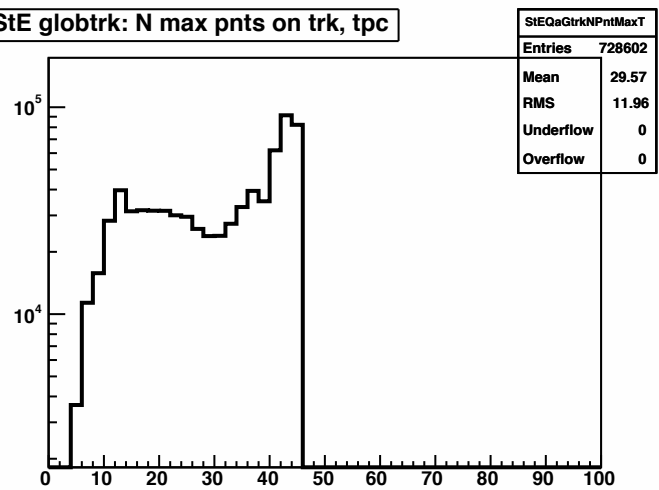
StE globtrk: z-DCA to Beam Axis vs azimuth (phi0) at start



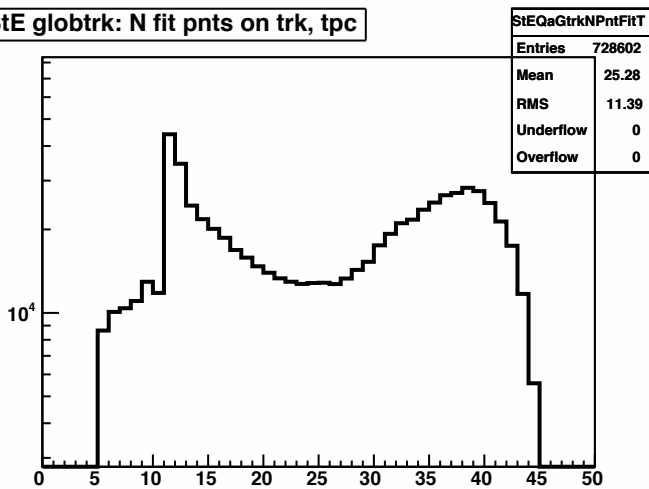
StE globtrk: N points on trk, tpc



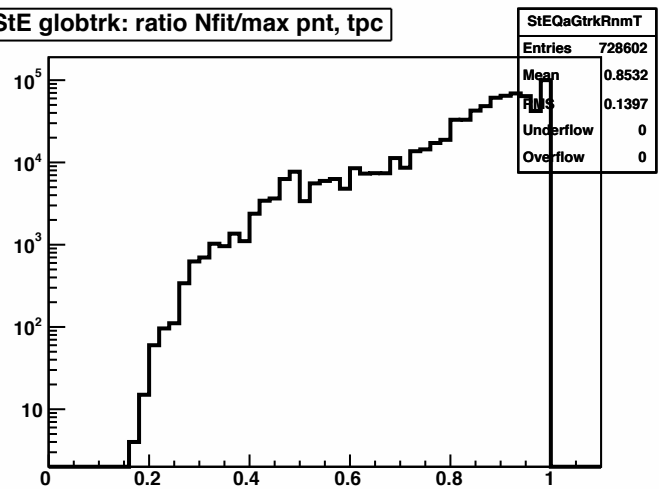
StE globtrk: N max pnts on trk, tpc



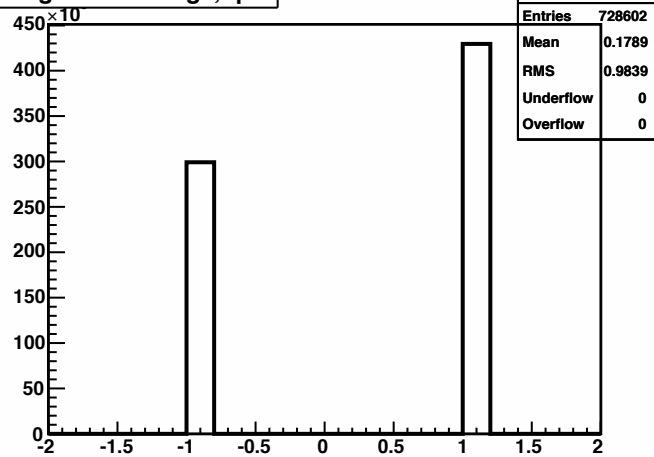
StE globtrk: N fit pnts on trk, tpc



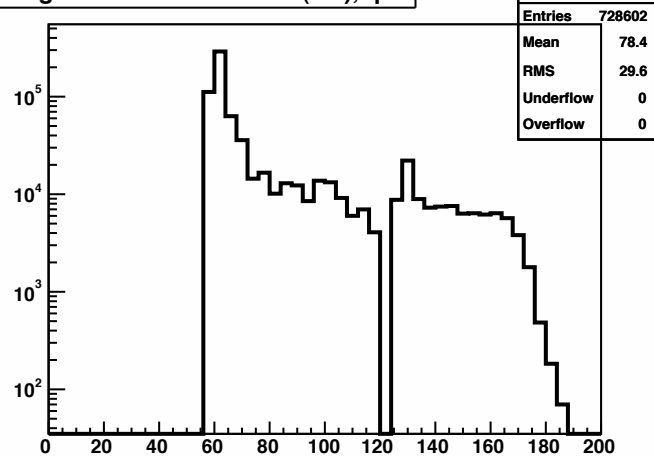
StE globtrk: ratio Nfit/max pnt, tpc



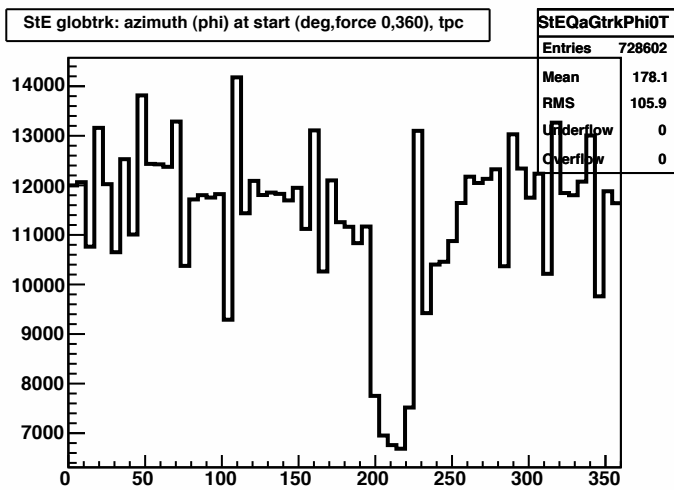
StE globtrk: charge, tpc



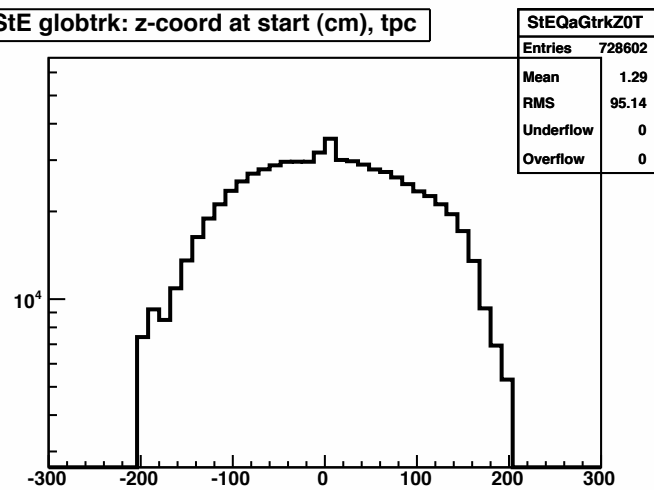
StE globtrk: radius at start (cm), tpc



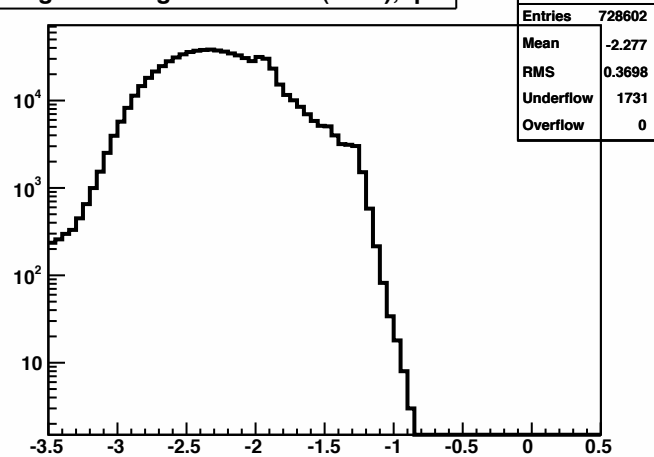
StE globtrk: azimuth (phi) at start (deg,force 0,360), tpc



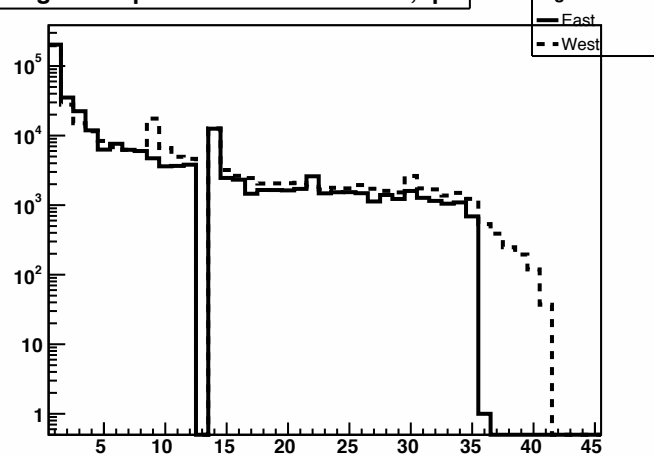
StE globtrk: z-coord at start (cm), tpc



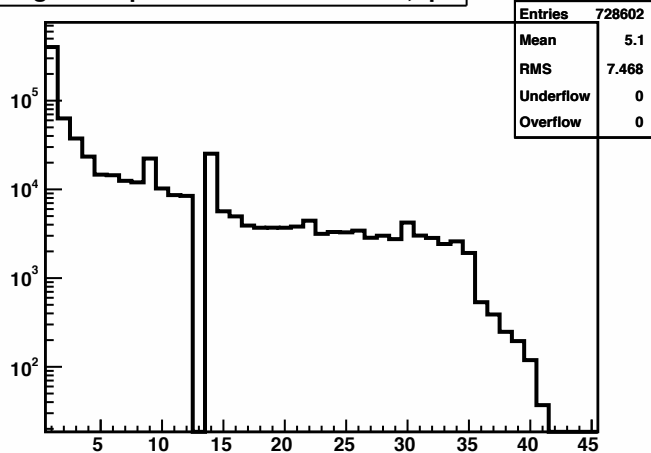
StE globtrk: log10 curvature (1/cm), tpc



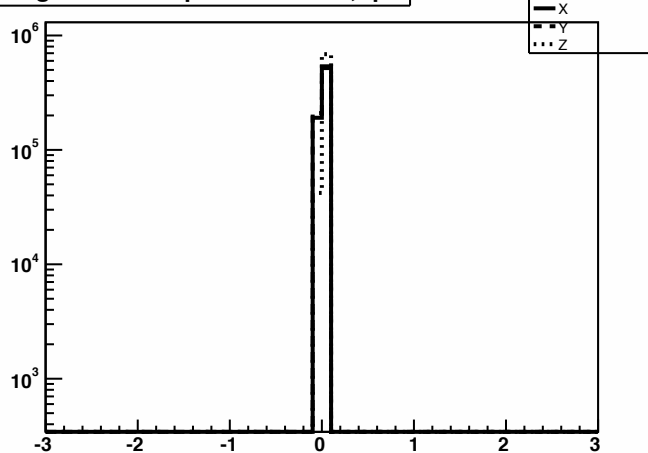
StE globtrk: padrow of first hit on trk, tpc



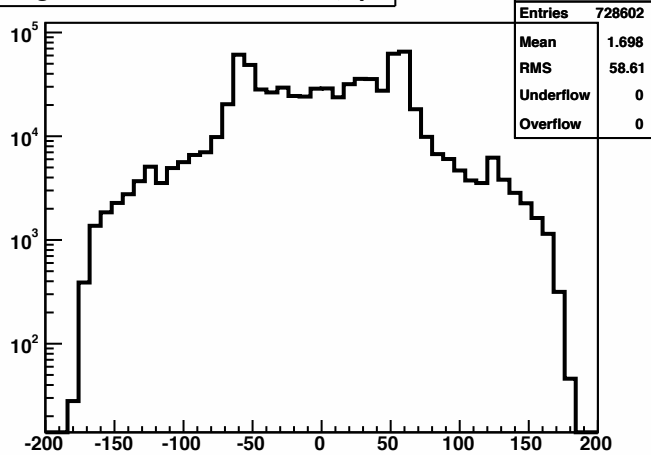
StE globtrk: padrow of first hit on trk, tpc



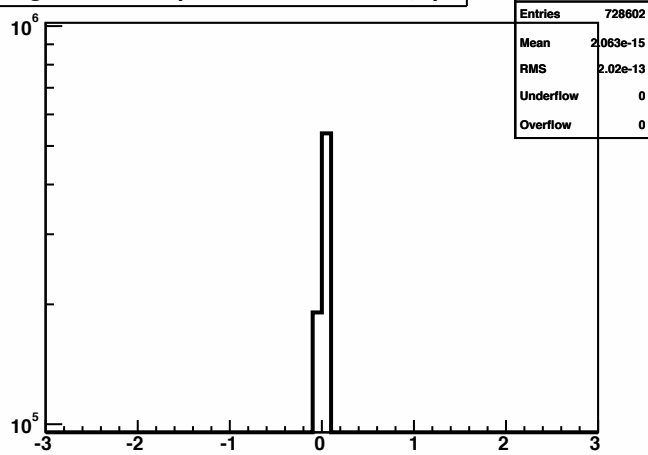
StE globtrk: first point: hit-helix, tpc



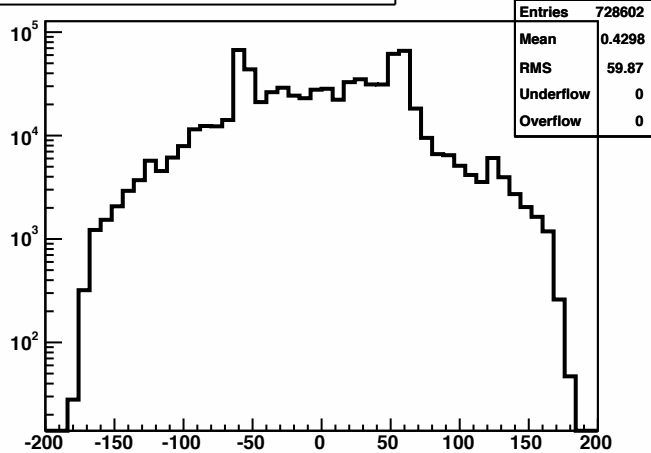
StE globtrk: x of first hit on trk, tpc



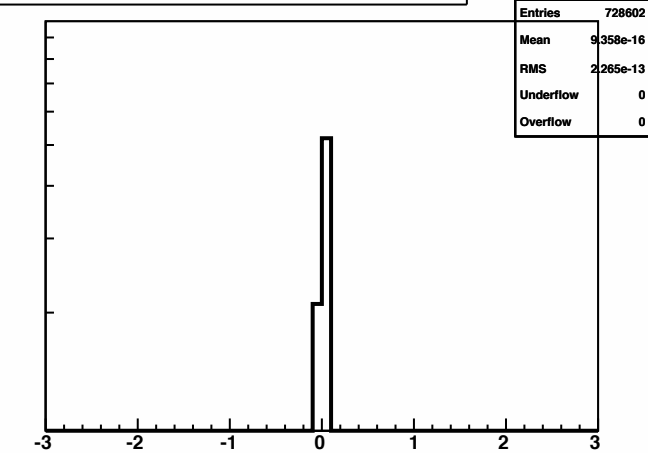
StE globtrk: first point: x_hit - x_helix, tpc



StE globtrk: y of first hit on trk, tpc



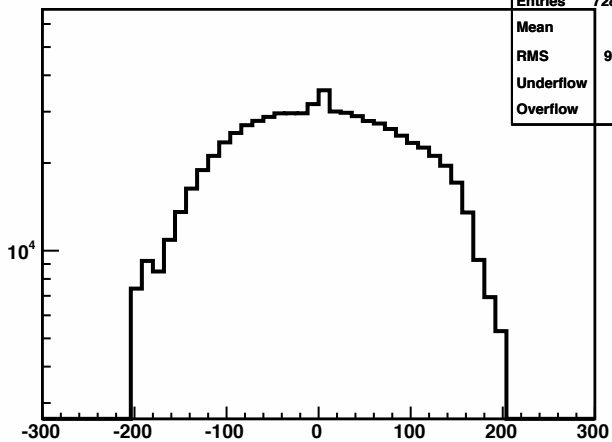
StE globtrk: first point: y_hit - y_helix, tpc



StE globtrk: z of first hit on trk, tpc

StEQaGtrkZIT

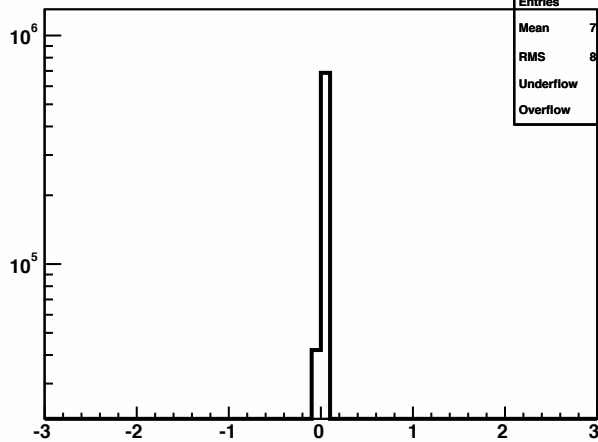
Entries	728602
Mean	1.29
RMS	95.14
Underflow	0
Overflow	0



StE globtrk: first point: z_hit - z_helix, tpc

StEQaGtrkZf0

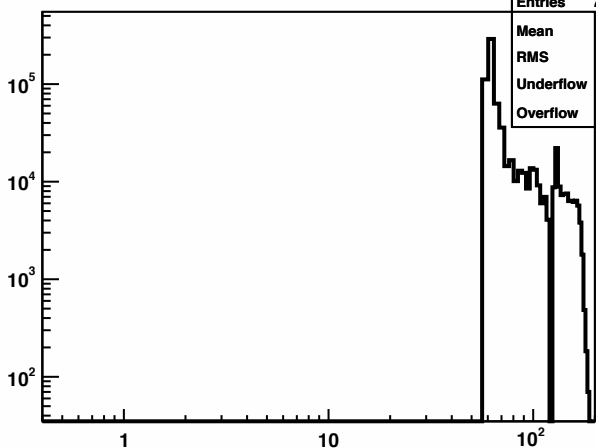
Entries	728602
Mean	7.851e-16
RMS	8.065e-14
Underflow	0
Overflow	0



StE globtrk: radial position of first hit, tpc

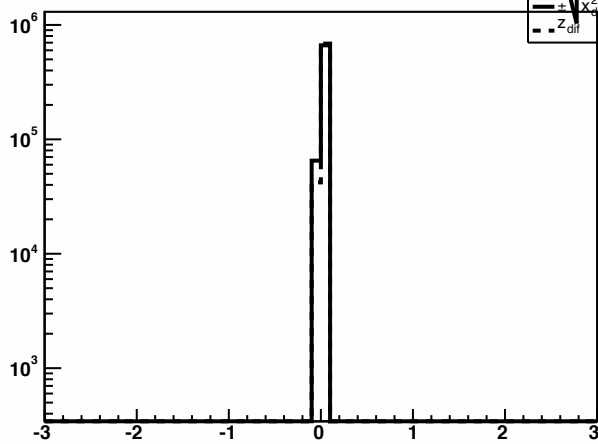
StEQaGtrkRT

Entries	728602
Mean	78.4
RMS	29.6
Underflow	0
Overflow	0



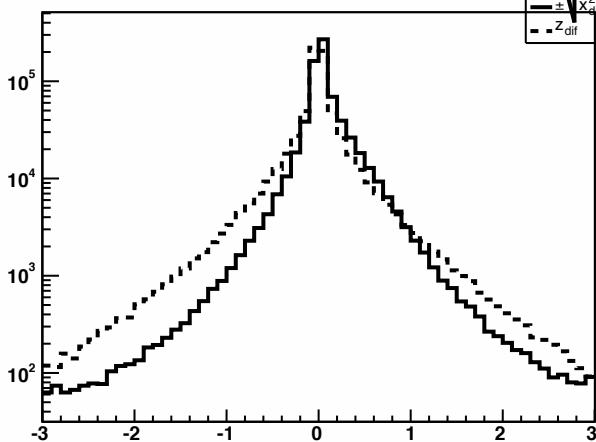
StE globtrk: first point: hit - helix, tpc

Legend
 — $\pm \sqrt{z_{hit}^2 + y_{dif}^2}$
 - - z_{dif}



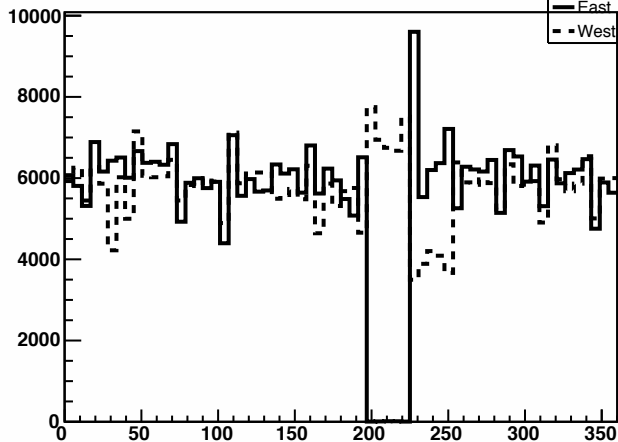
StE globtrk: last point: hit - helix, tpc

Legend
 — $\pm \sqrt{z_{hit}^2 + y_{dif}^2}$
 - - z_{dif}

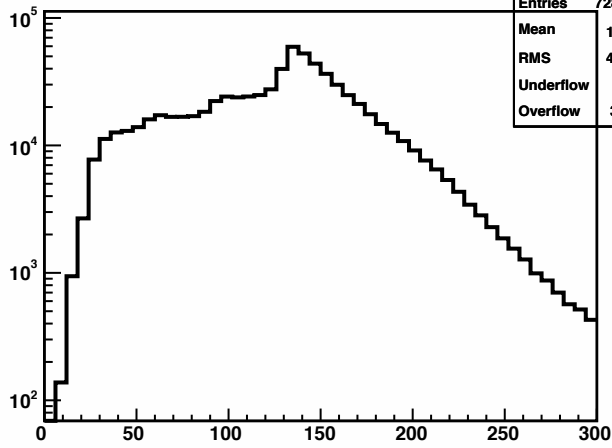


StE globtrk: phi of first point on trk, tpc

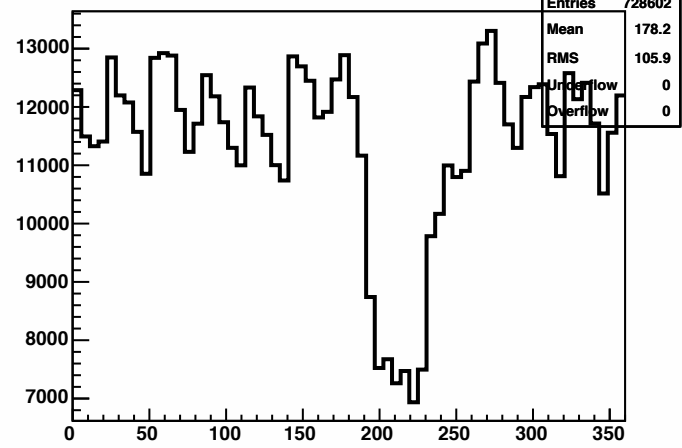
Legend
 — Fast
 - - West



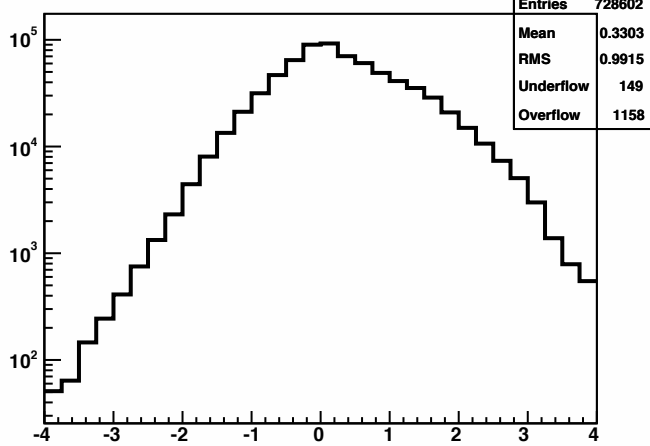
StE globtrk: track length, tpc



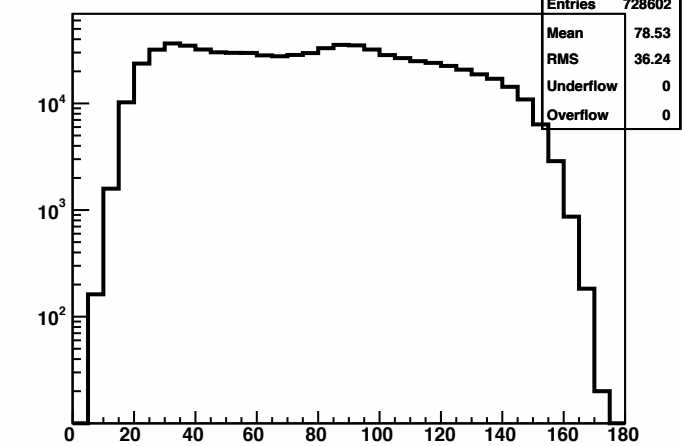
StE globtrk: psi, tpc (deg)



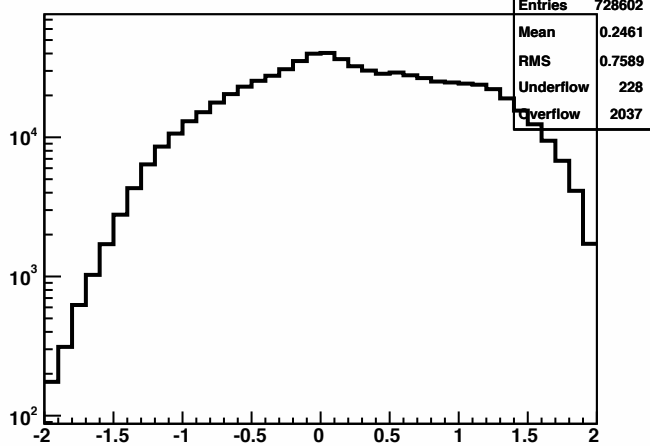
StE globtrk: tanI, tpc



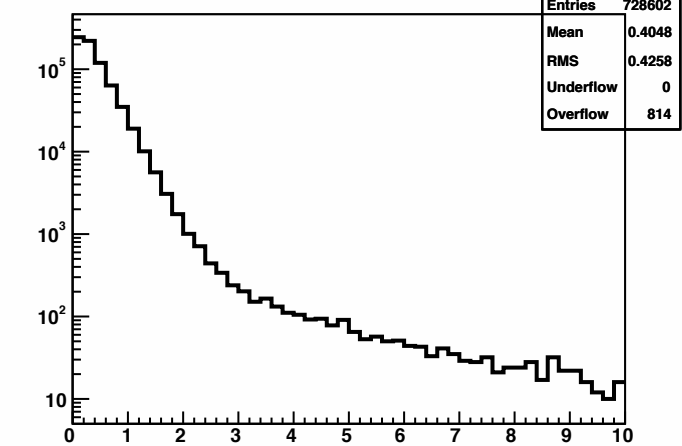
StE globtrk: theta (degrees), tpc



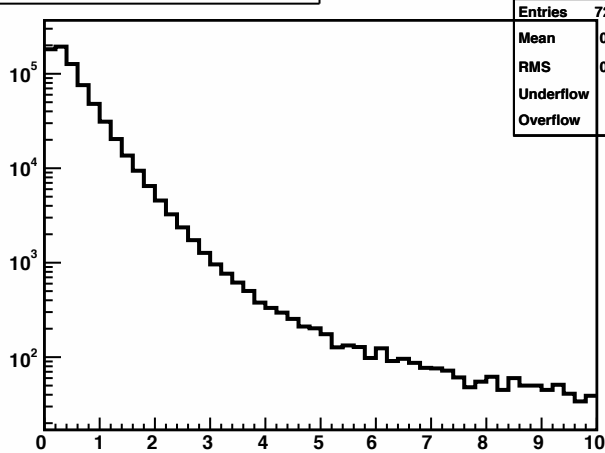
StE globtrk: eta, tpc



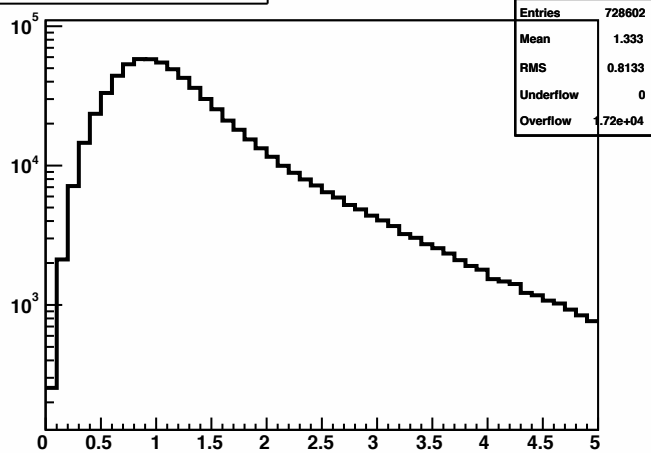
StE globtrk: pT, tpc



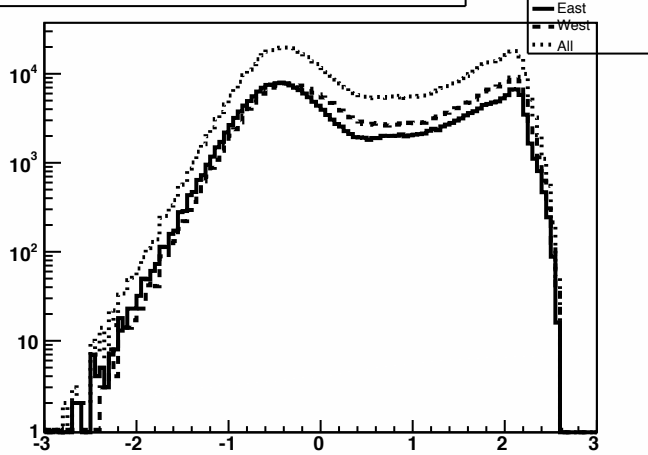
StE globtrk: momentum, tpc



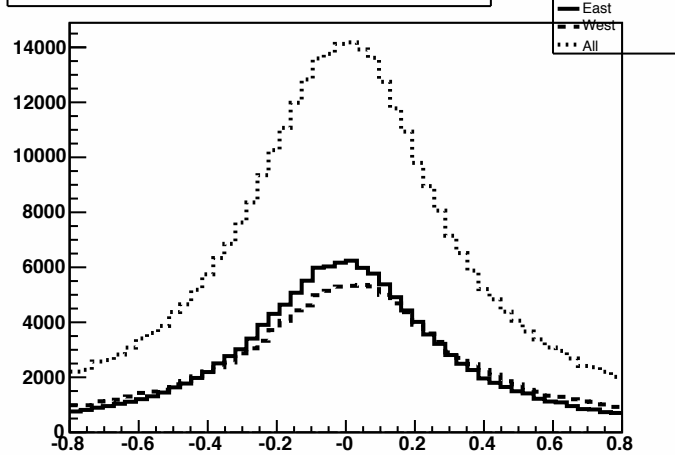
StE globtrk: chisq0, tpc



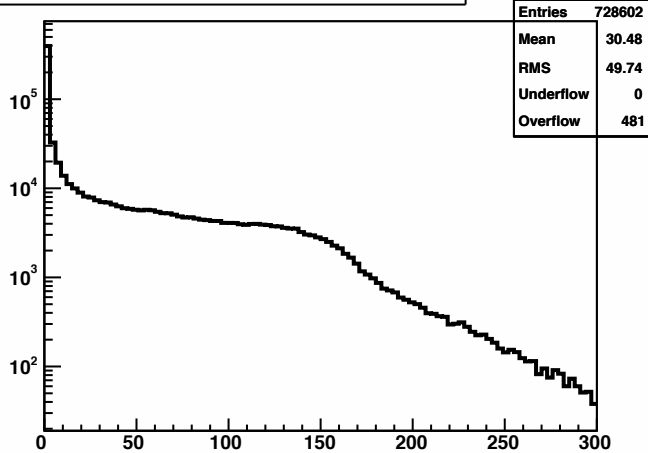
StE globtrk: log10 impact param from prim vtx, tpc



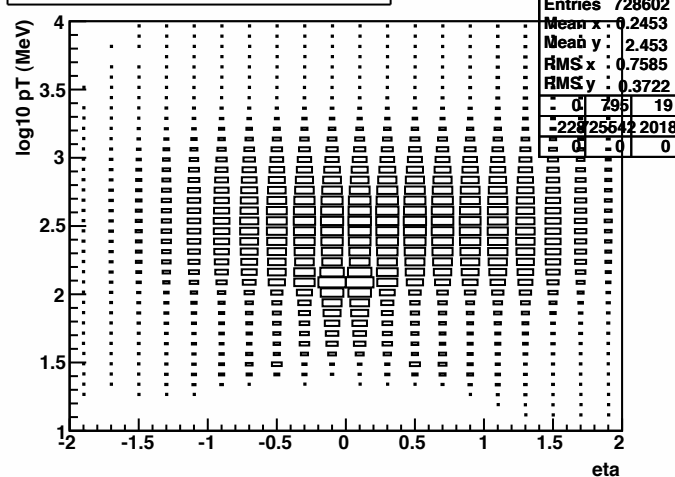
StE globtrk: signed impact param from prim vtx, tpc



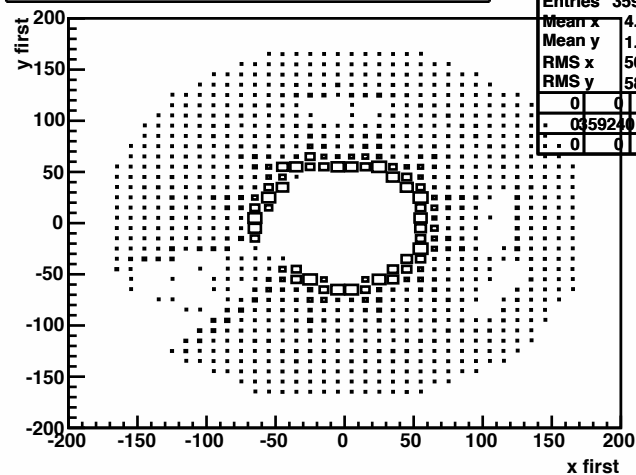
StE globtrk: impact param from prim vtx, tpc



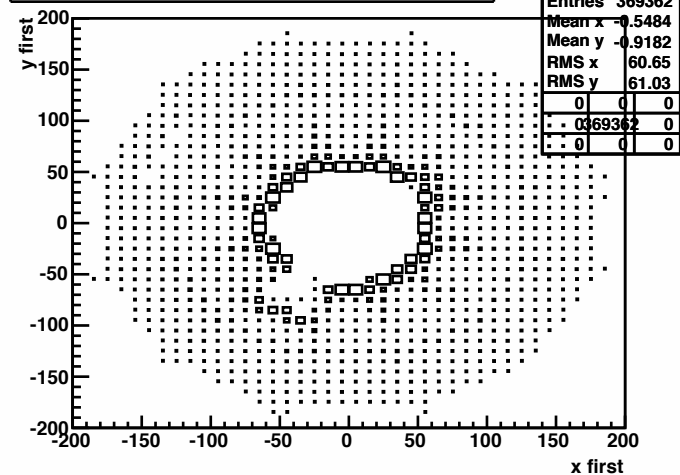
StE globtrk: log10 pT vs eta, tpc



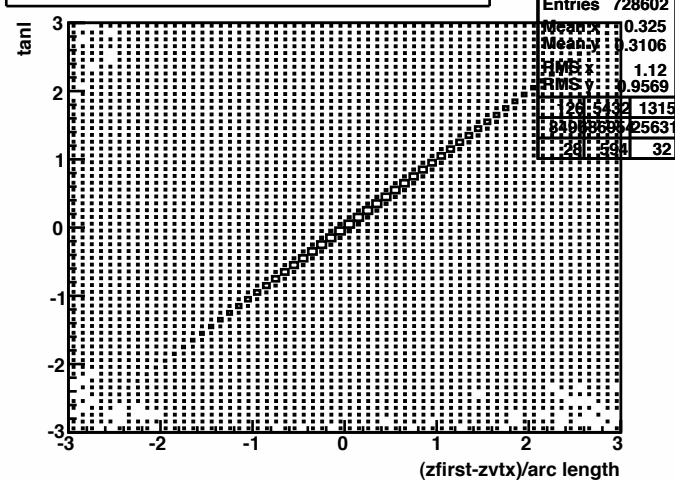
StE globtrk: Y vs X of first hit on trk, tpc east



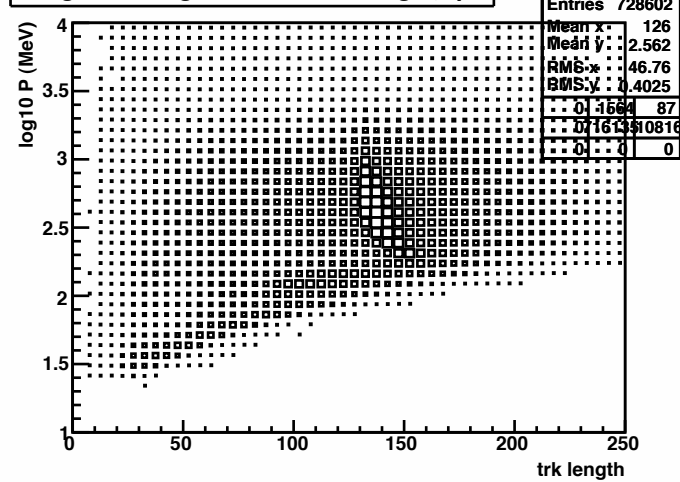
StE globtrk: Y vs X of first hit on trk, tpc west



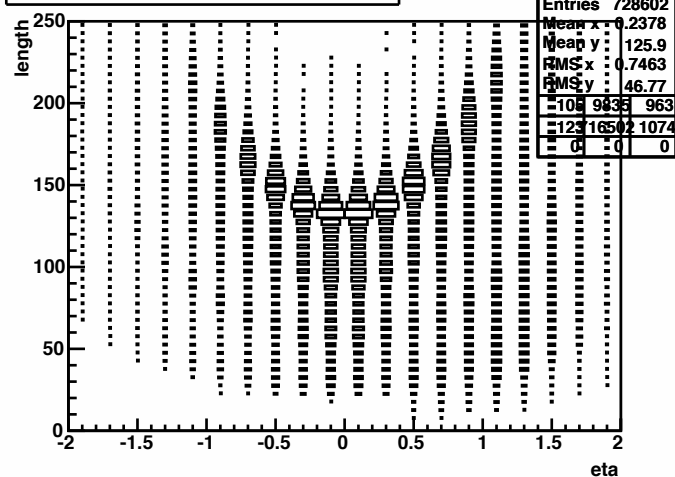
StE globtrk: tan(dip) vs. (zfirst-zvtx)/arc length, tpc,tpc+svt



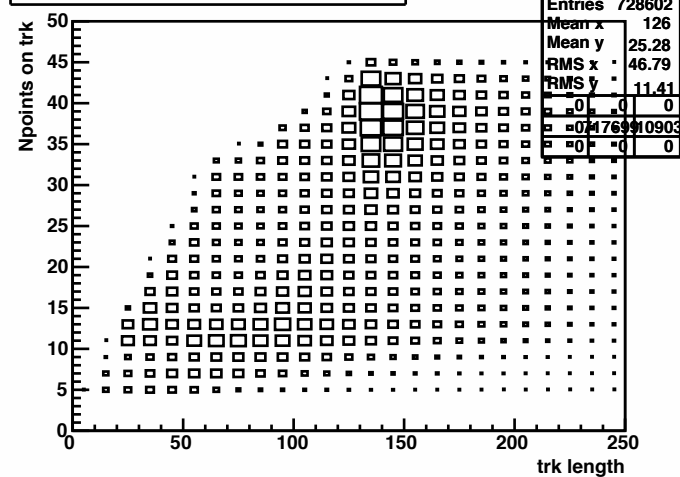
StE globtrk: log10 mom vs trk length, tpc



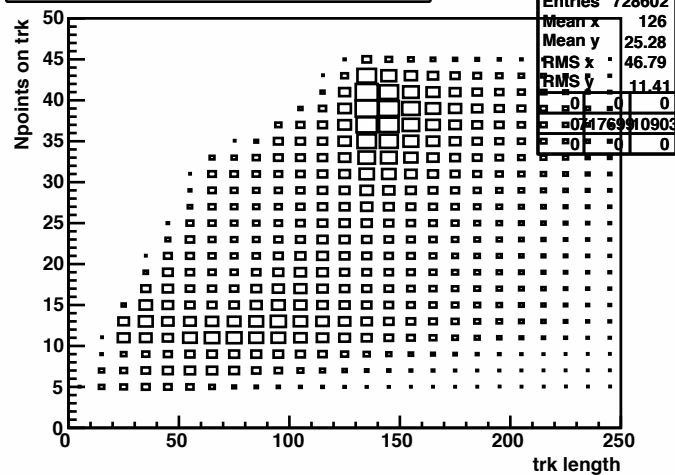
StE globtrk: trk length vs eta, tpc



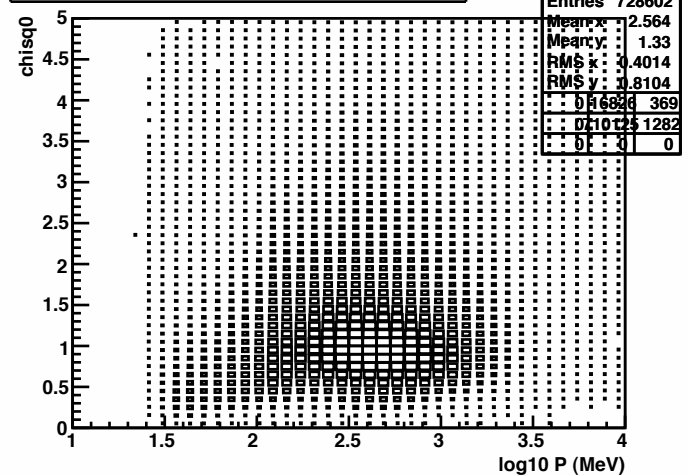
StE globtrk: N pnts vs length, tpc



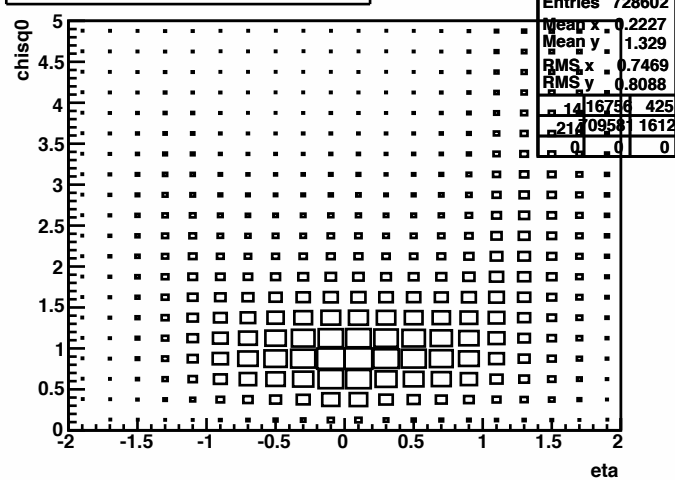
StE globtrk: N fit pnts vs length, tpc



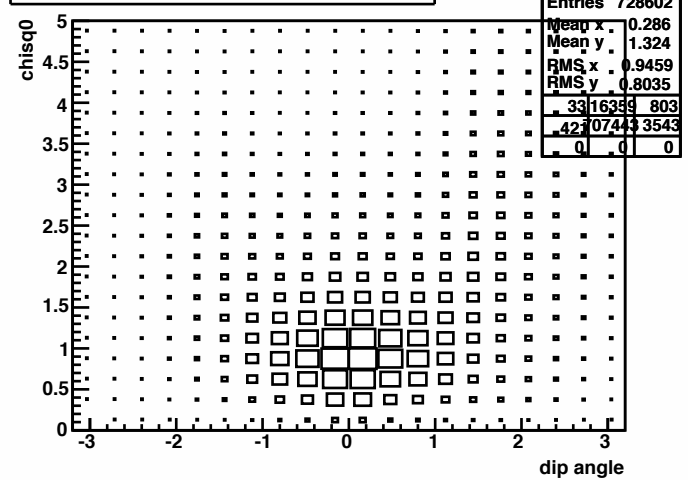
StE globtrk: Chisq0 vs log10 mom, tpc



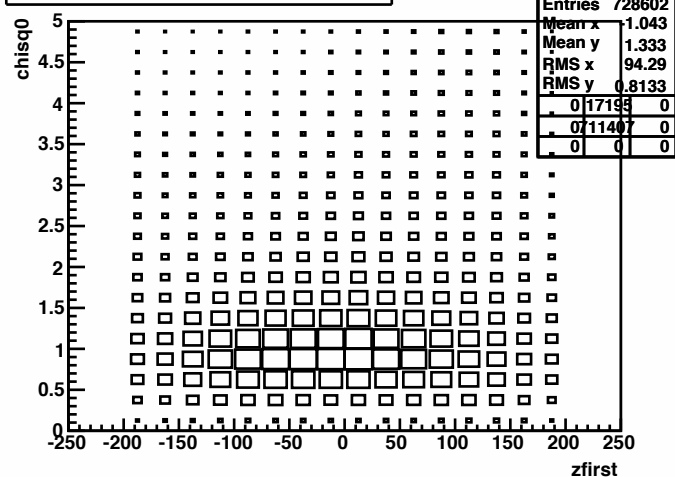
StE globtrk: Chisq0 vs eta, tpc



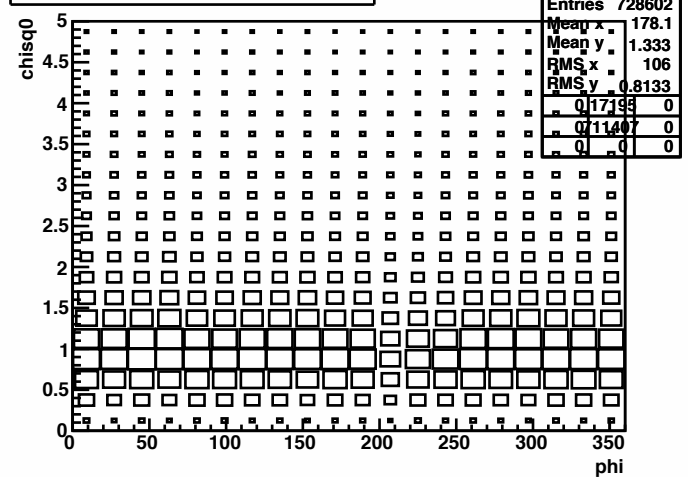
StE globtrk: Chisq0 vs tan(dip), tpc



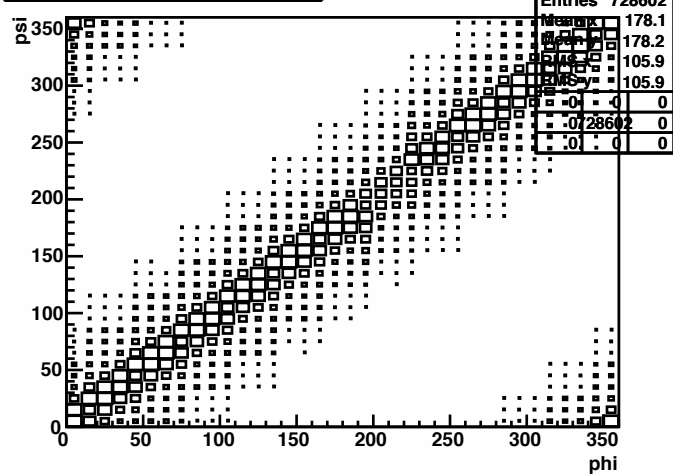
StE globtrk: Chisq0 vs zfirst, tpc



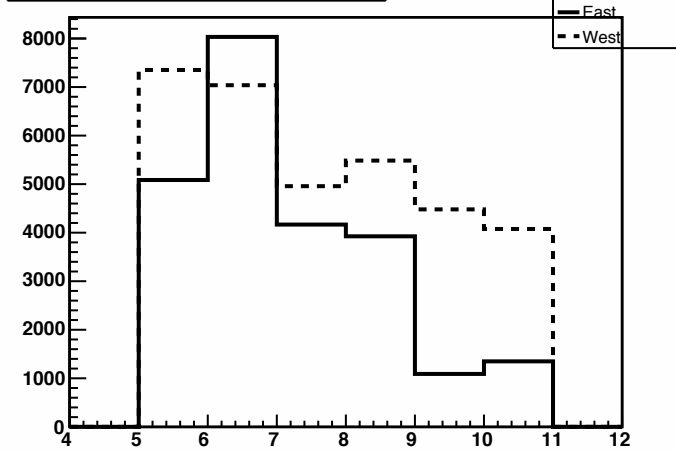
StE globtrk: Chisq0 vs phi, tpc



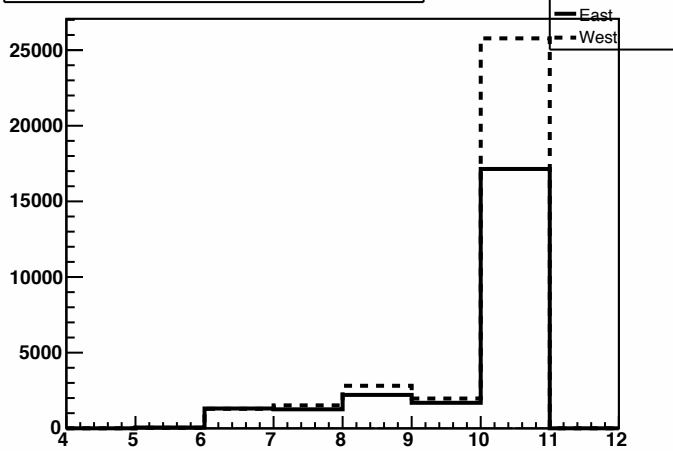
StE globtrk: psi vs phi, tpc



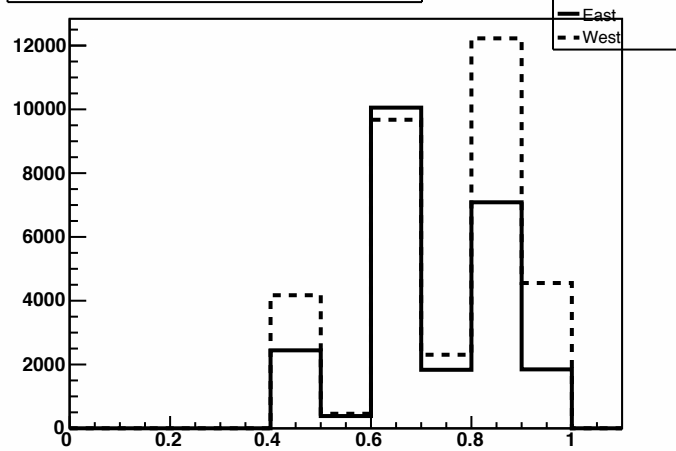
StE globtrk: N points on trk,ftpc



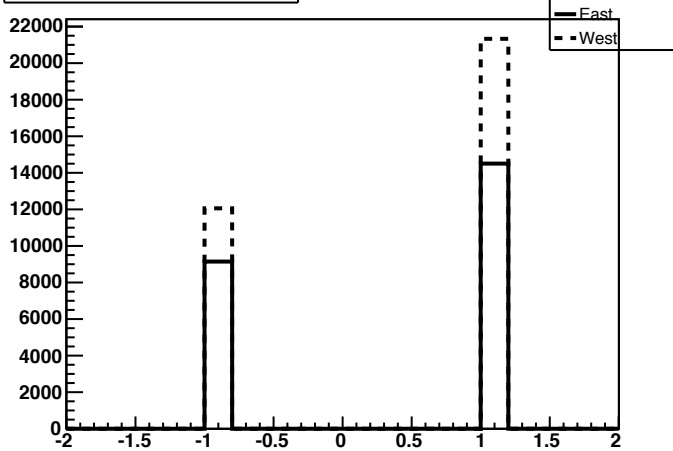
StE globtrk: N max pnts on trk, ftpc



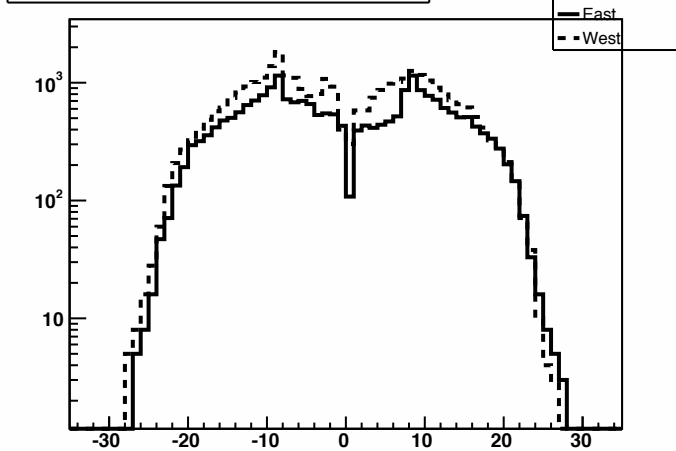
StE globtrk: ratio Nfit/max pnt, ftpc



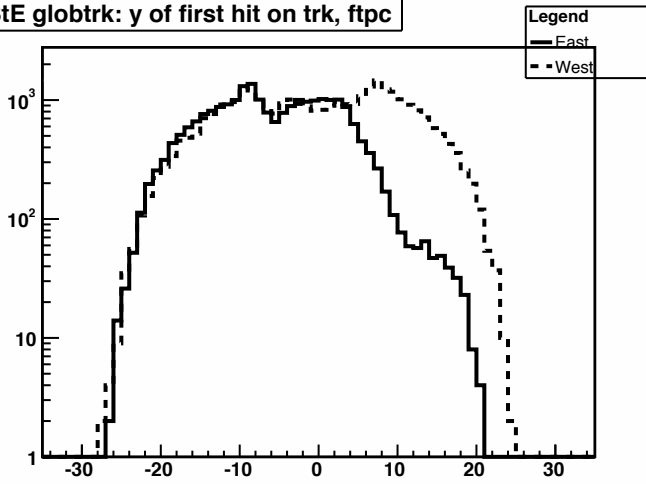
StE globtrk: charge, ftpc



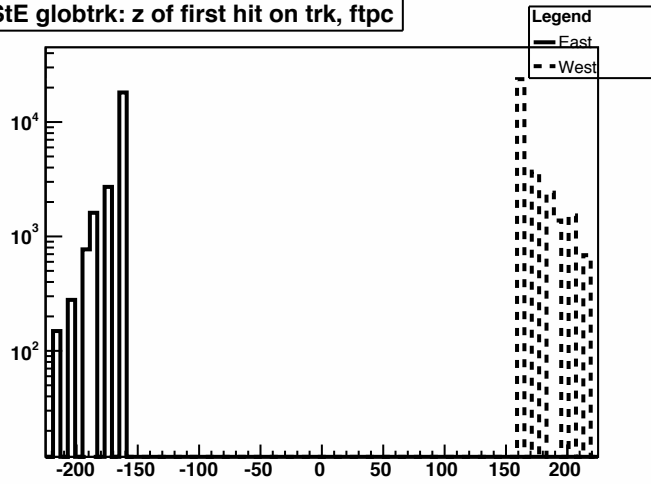
StE globtrk: x of first hit on trk, ftpc



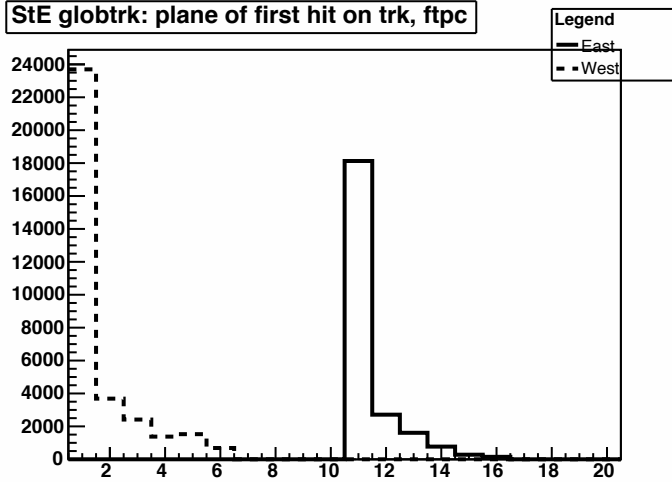
StE globtrk: y of first hit on trk, ftpc



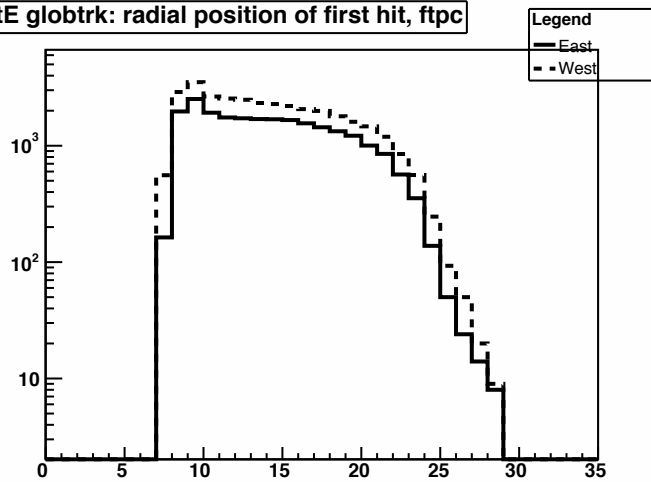
StE globtrk: z of first hit on trk, ftpc



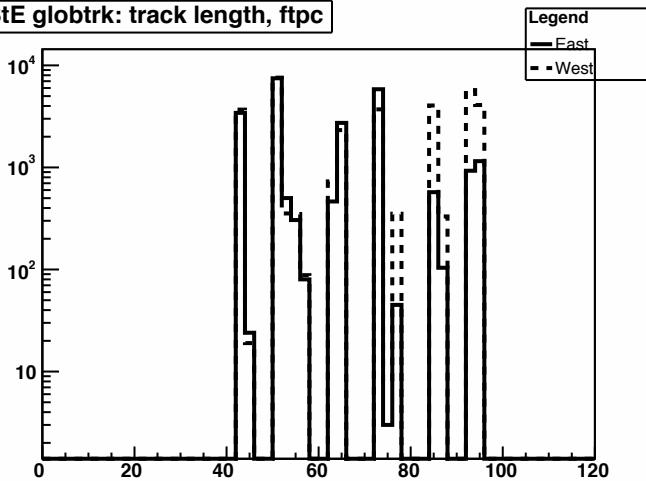
StE globtrk: plane of first hit on trk, ftpc



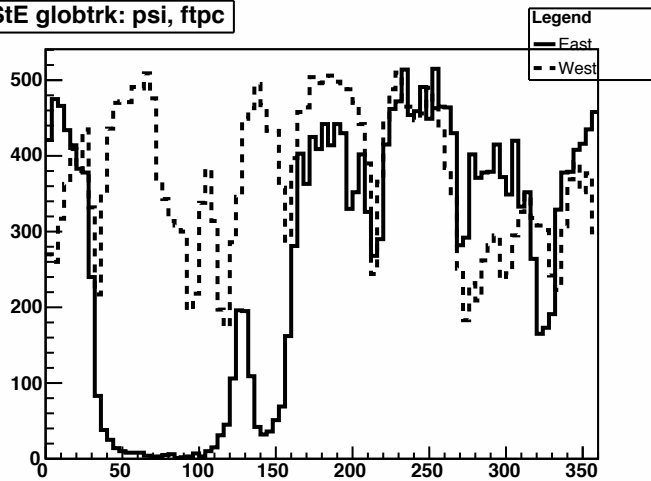
StE globtrk: radial position of first hit, ftpc



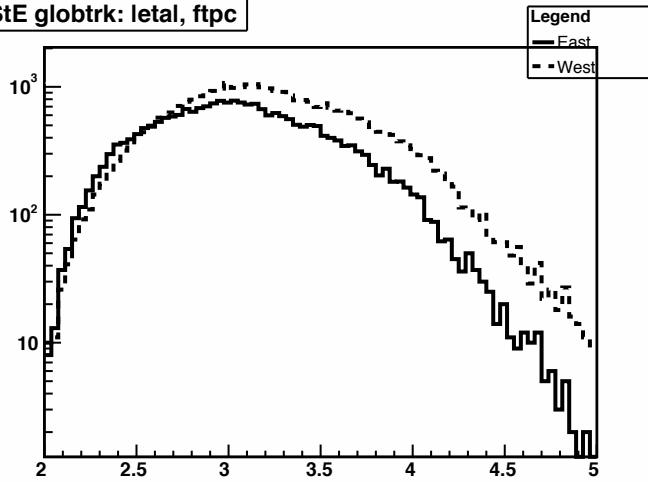
StE globtrk: track length, ftpc



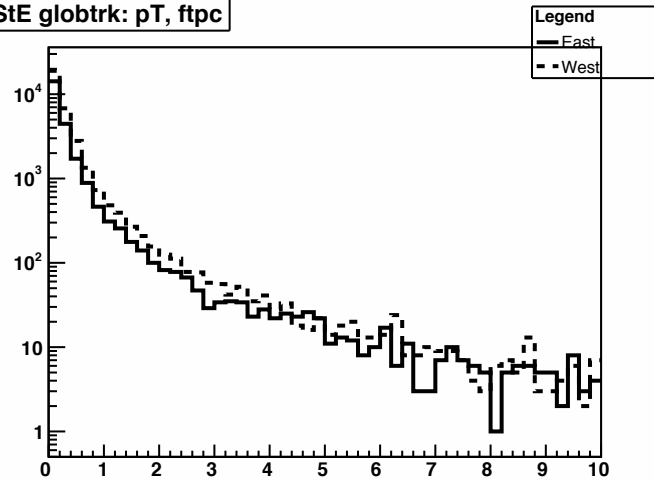
StE globtrk: psi, ftpc



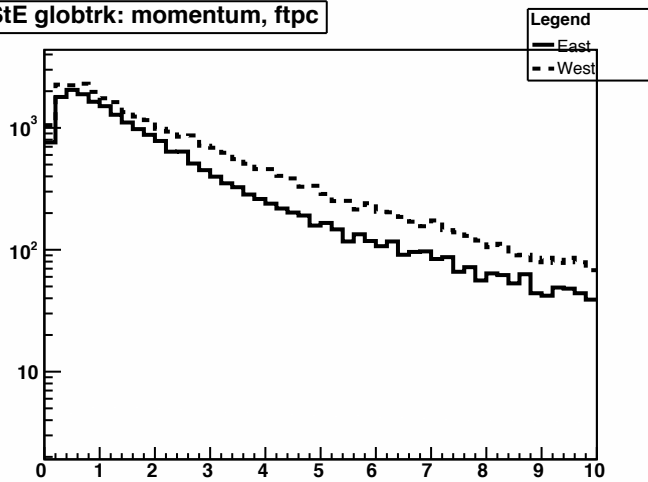
StE globtrk: letal, ftpc



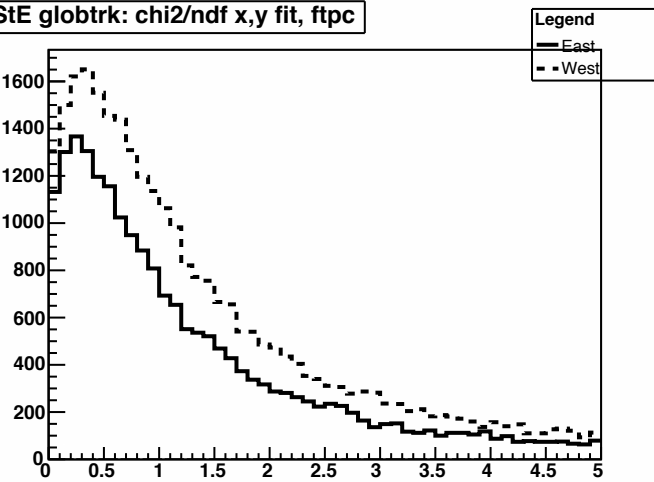
StE globtrk: pT, ftpc



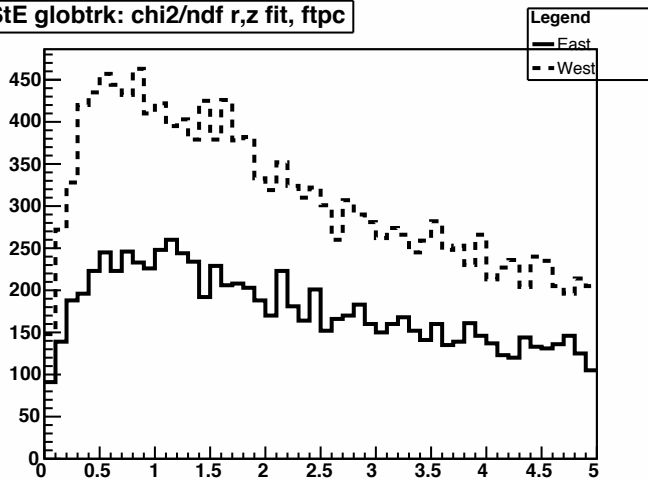
StE globtrk: momentum, ftpc



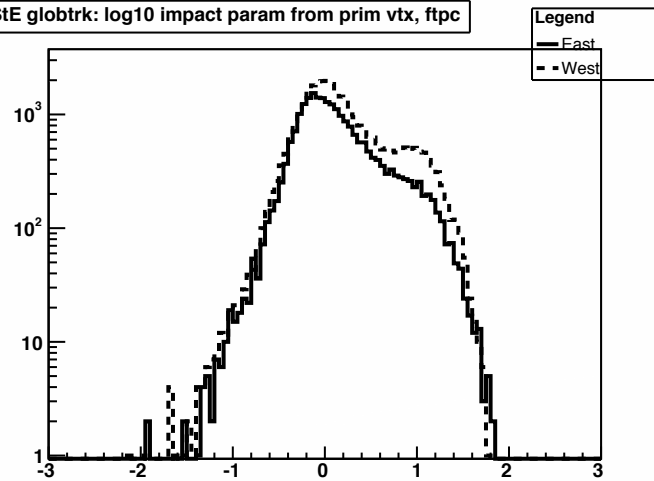
StE globtrk: chi2/ndf x,y fit, ftpc



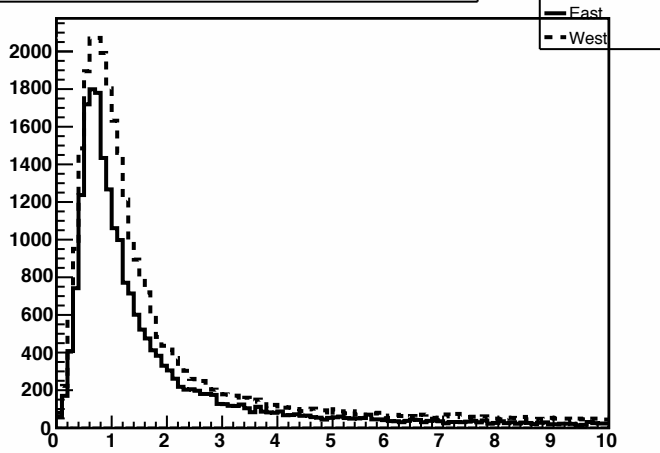
StE globtrk: chi2/ndf r,z fit, ftpc



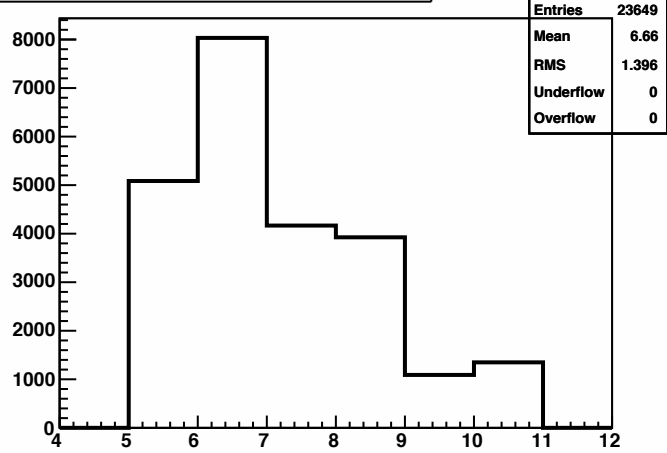
StE globtrk: log10 impact param from prim vtx, ftpc



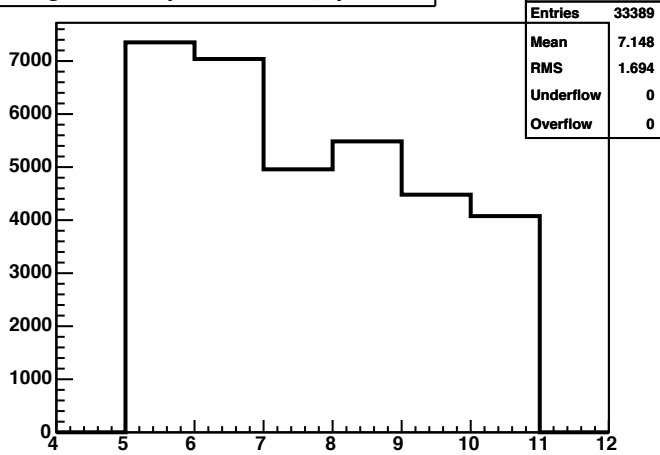
StE globtrk: impact param from prim vtx, ftpc



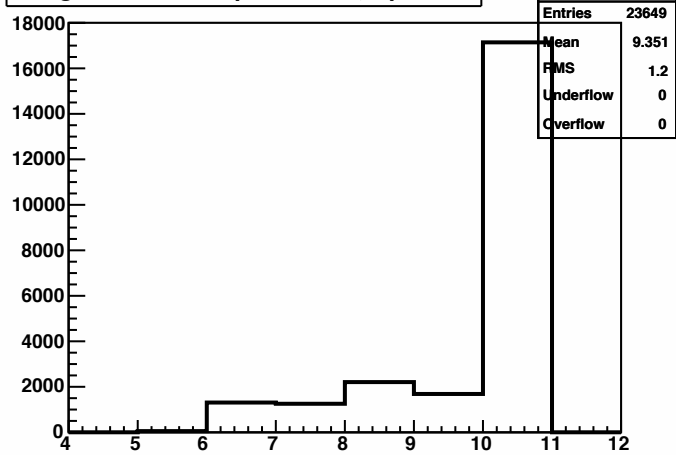
StE globtrk: N points on trk, ftpc east



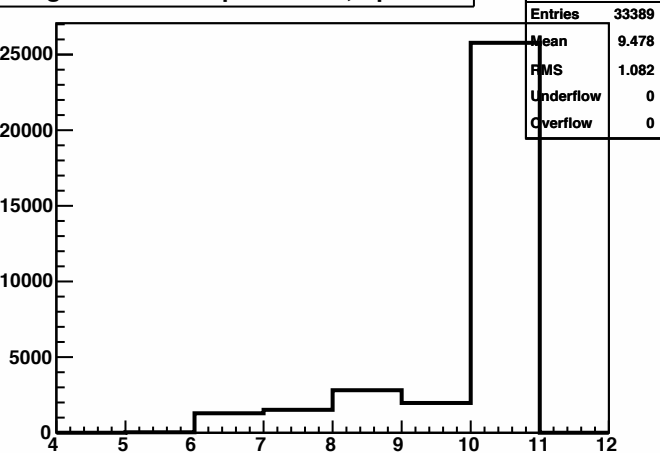
StE globtrk: N points on trk, ftpc west



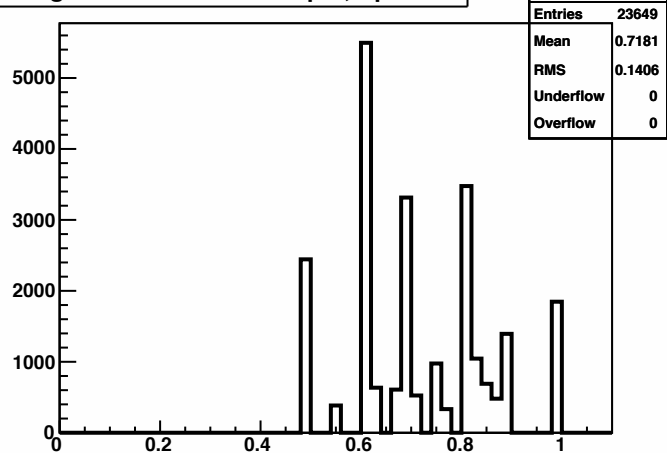
StE globtrk: N max pnts on trk, ftpc east



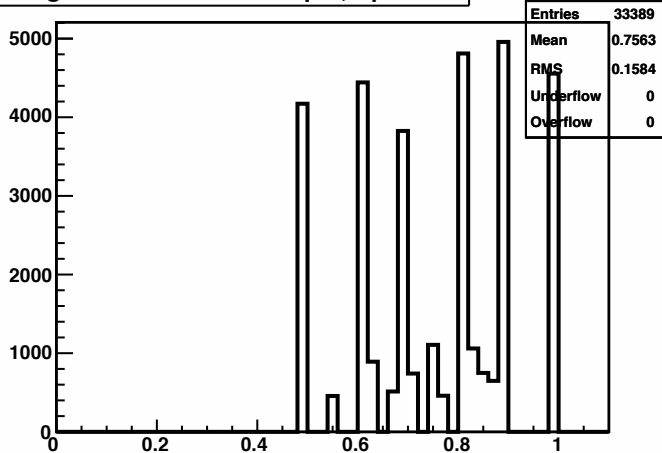
StE globtrk: N max pnts on trk, ftpc west



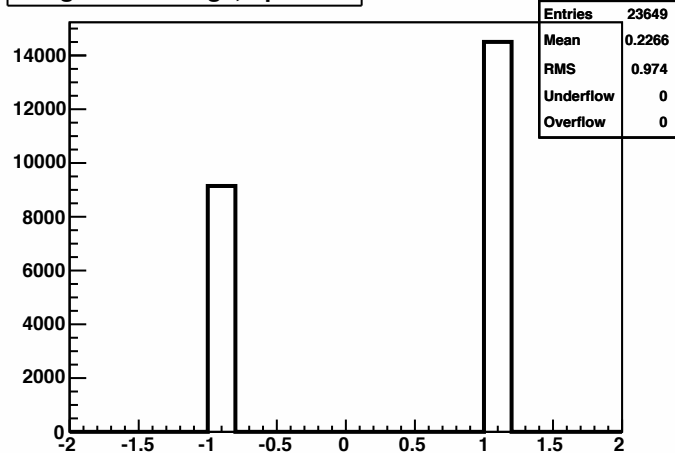
StE globtrk: ratio Nfit/max pnt, ftpc east



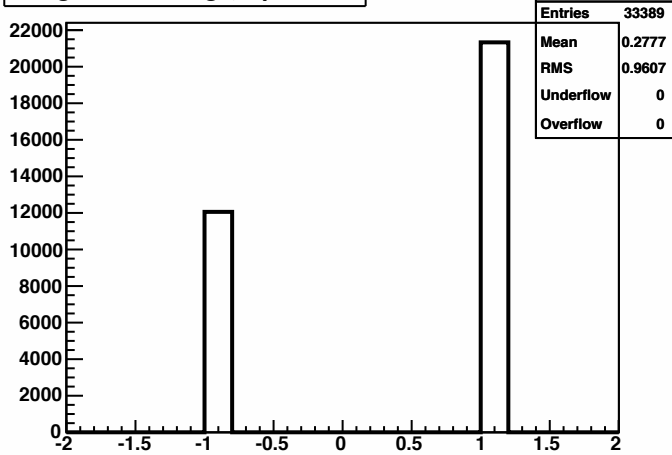
StE globtrk: ratio Nfit/max pnt, ftpc west



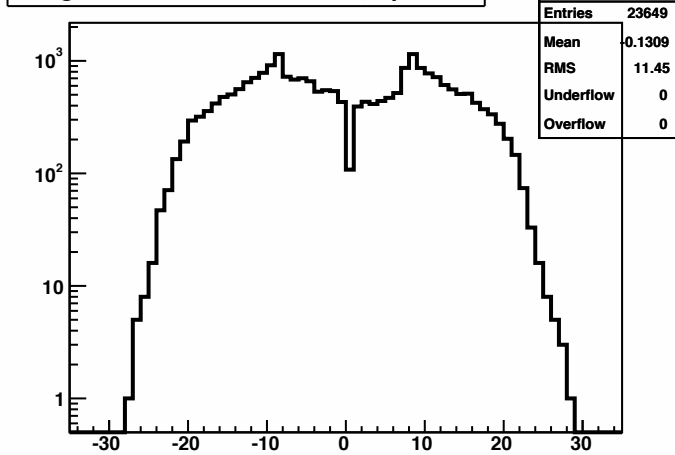
StE globtrk: charge, ftpc east



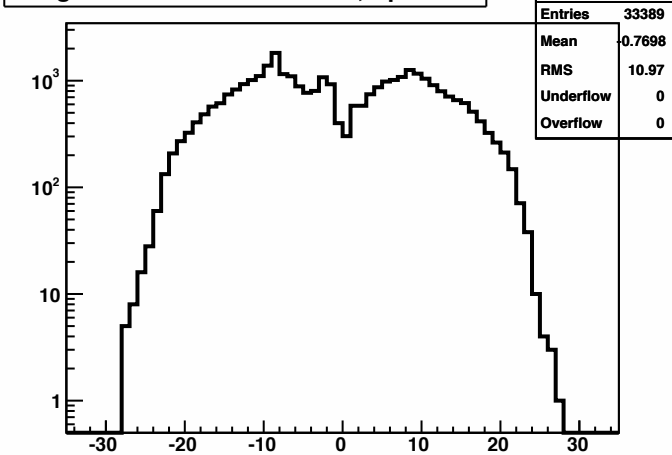
StE globtrk: charge, ftpc west



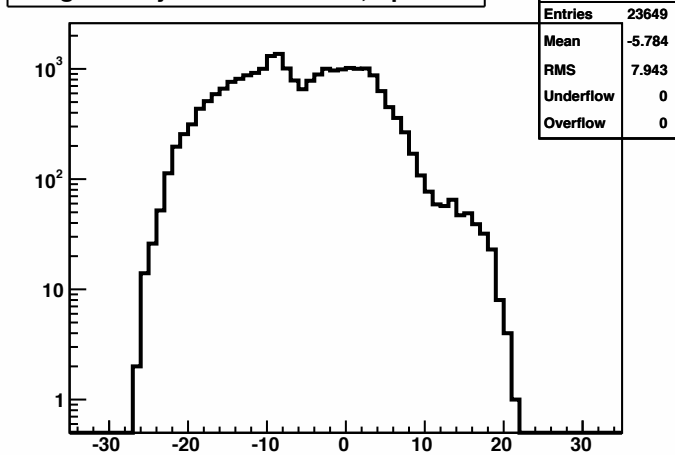
StE globtrk: x of first hit on trk, ftpc east



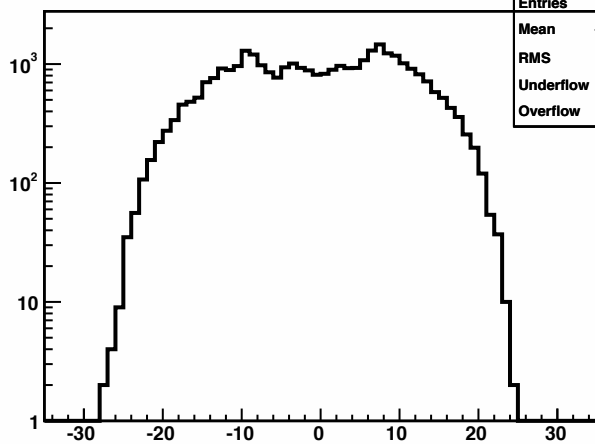
StE globtrk: x of first hit on trk, ftpc west



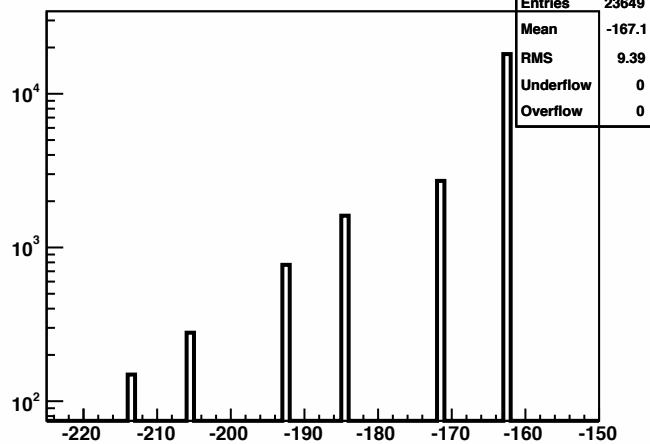
StE globtrk: y of first hit on trk, ftpc east



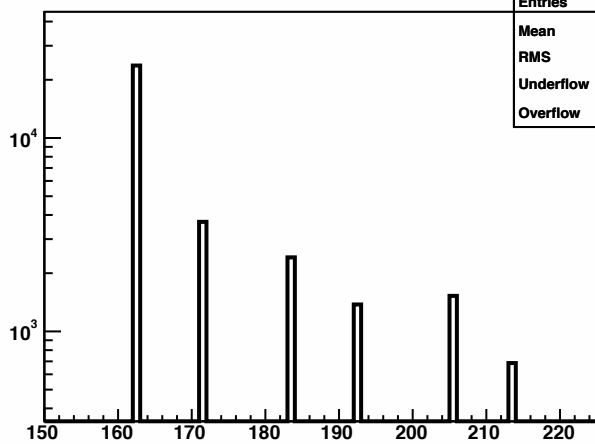
StE globtrk: y of first hit on trk, ftpc west



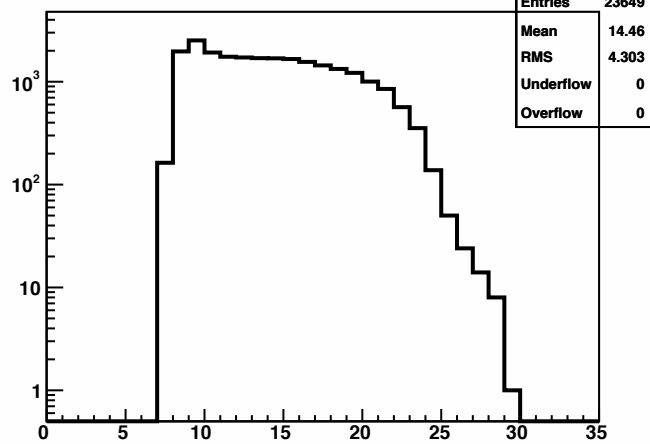
StE globtrk: z of first hit on trk, ftpc east



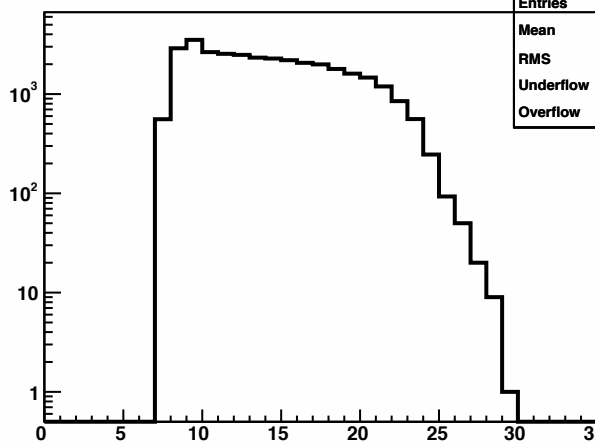
StE globtrk: z of first hit on trk, ftpc west



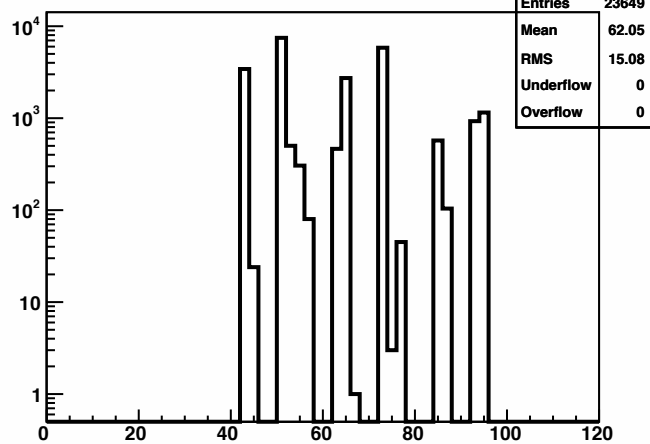
StE globtrk: radial position of first hit, ftpc east



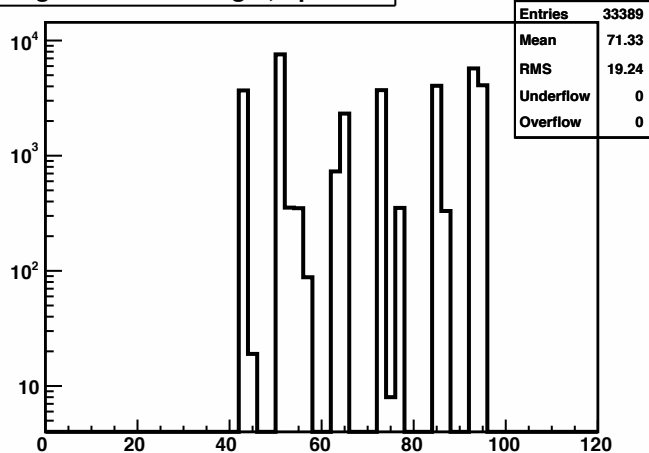
StE globtrk: radial position of first hit, ftpc west



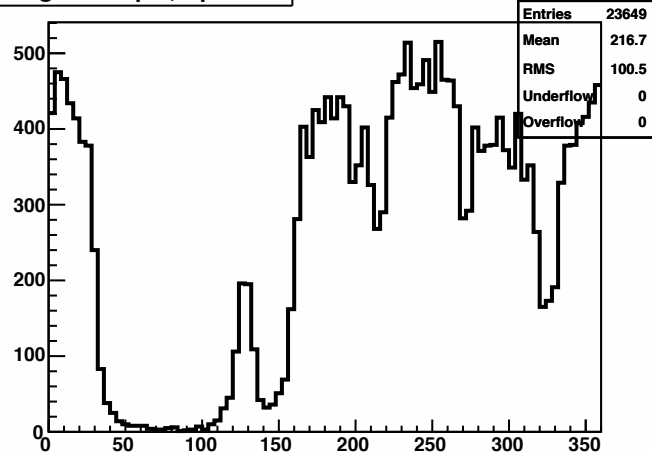
StE globtrk: track length, ftpc east



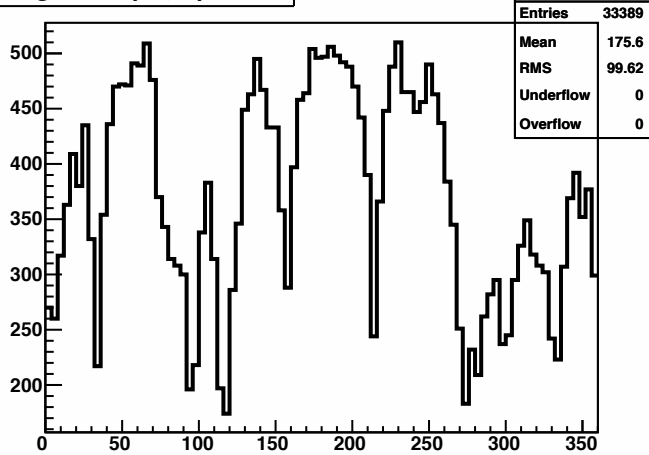
StE globtrk: track length, ftpc west



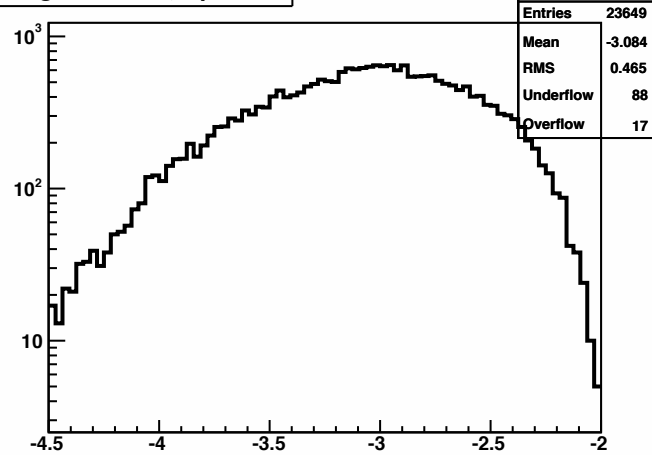
StE globtrk: psi, ftpc east



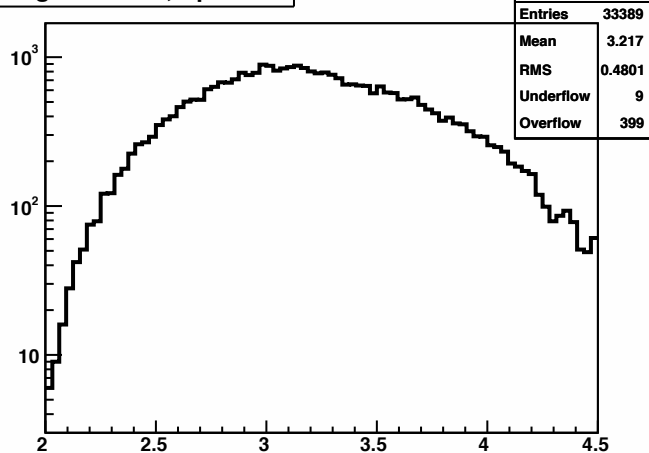
StE globtrk: psi, ftpc west



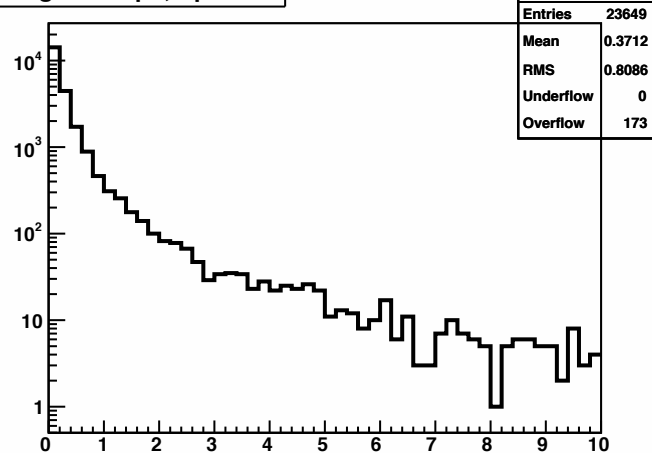
StE globtrk: eta, ftpc east



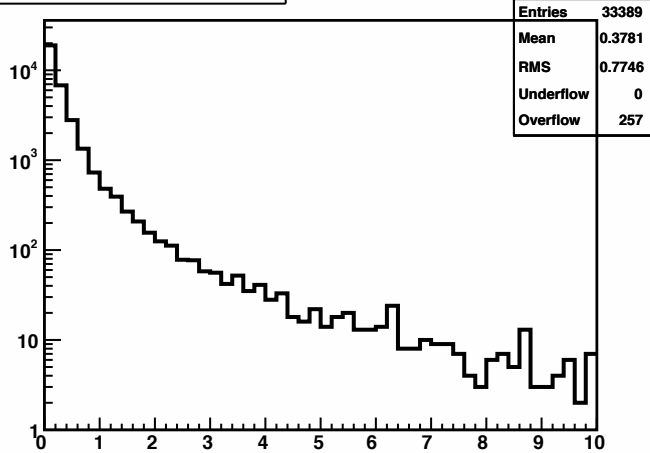
StE globtrk: eta, ftpc west



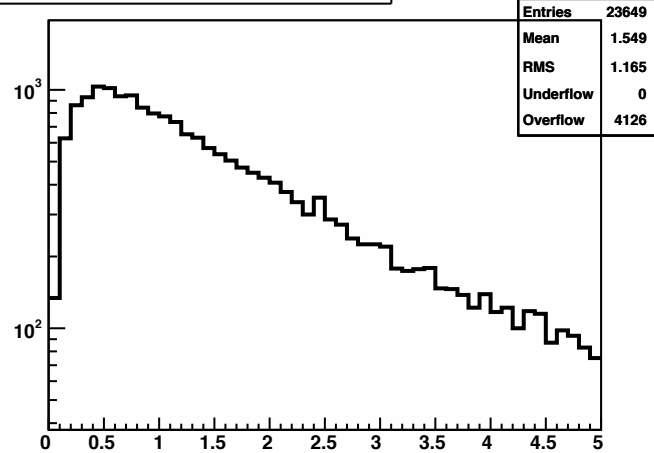
StE globtrk: pT, ftpc east



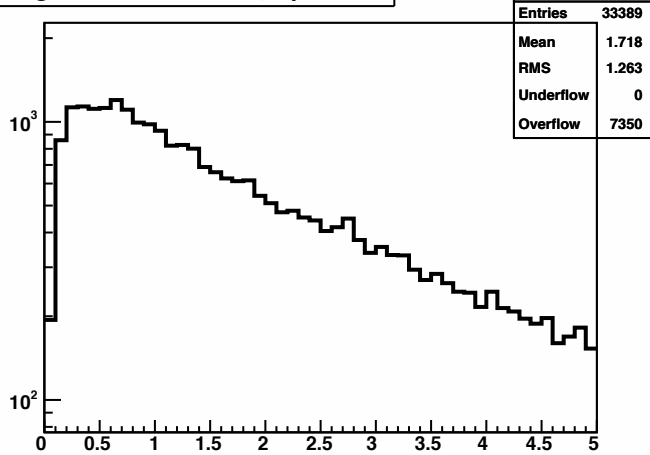
StE globtrk: pT, ftpc west



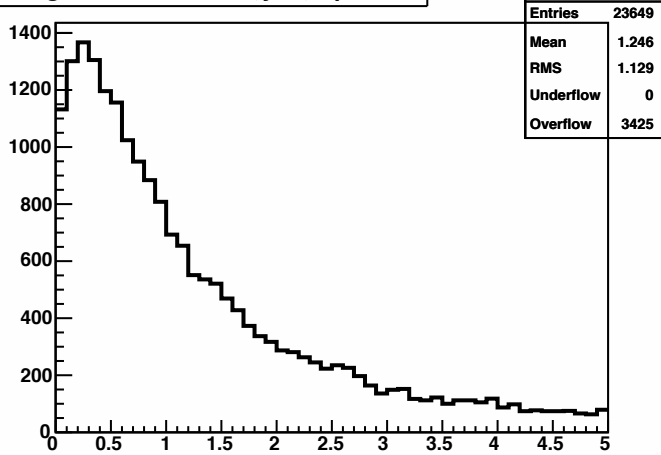
StE globtrk: momentum, ftpc east



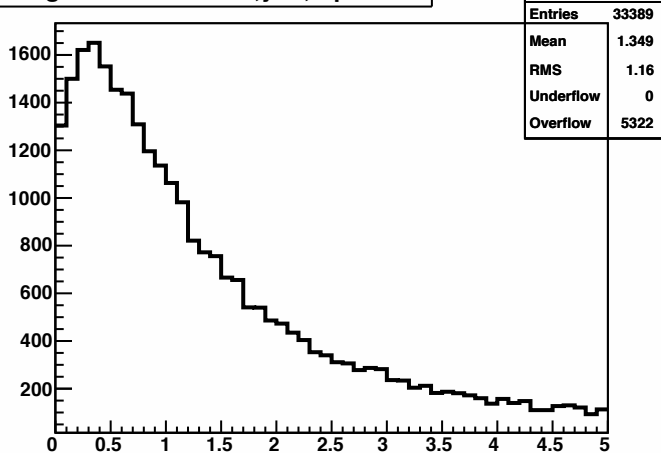
StE globtrk: momentum, ftpc west



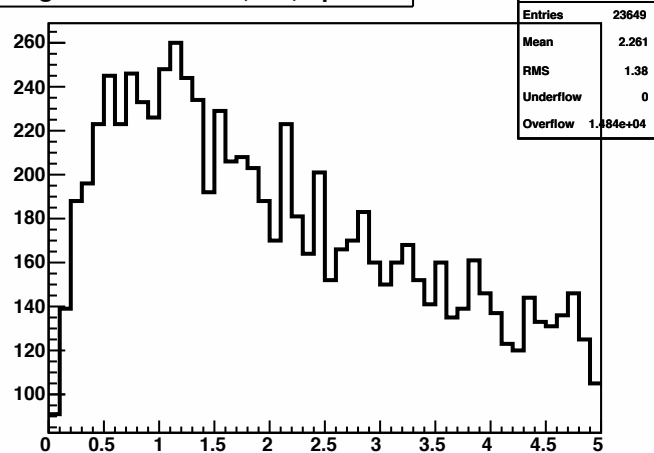
StE globtrk: chi2/ndf x,y fit, ftpc east



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

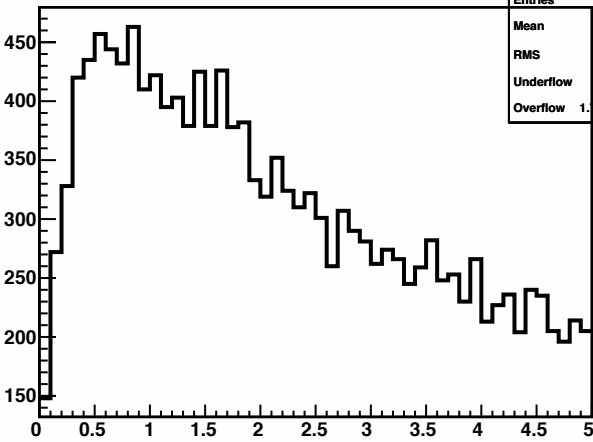


StE globtrk: chi2/ndf r,z fit, ftpc east



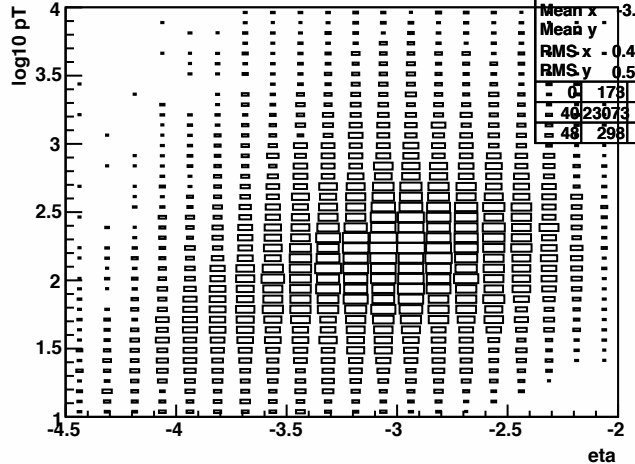
StE globtrk: chi2/ndf r,z fit, ftpc west

StEQaGtrkChisq1FW	
Entries	33389
Mean	2.209
RMS	1.377
Underflow	0
Overflow	1.783e+04



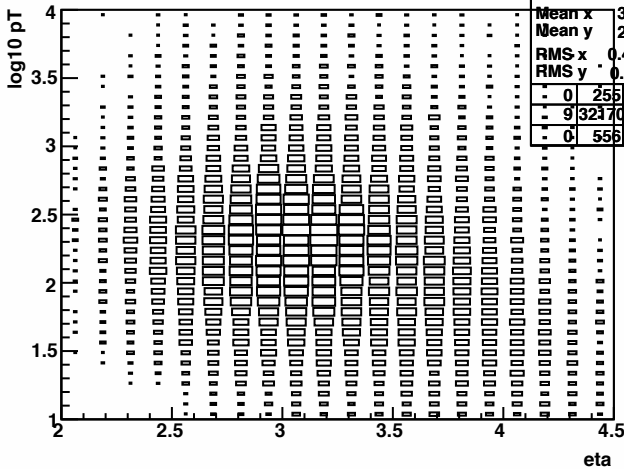
StE globtrk: log10 pT vs eta, ftpcE

StEQaGtrkPVsEtaFE		
Entries	23649	
Mean x	3.077	
Mean y	2.2	
RMS x	0.4598	
RMS y	0.5295	
0	178	0
0	23073	17
0	298	0



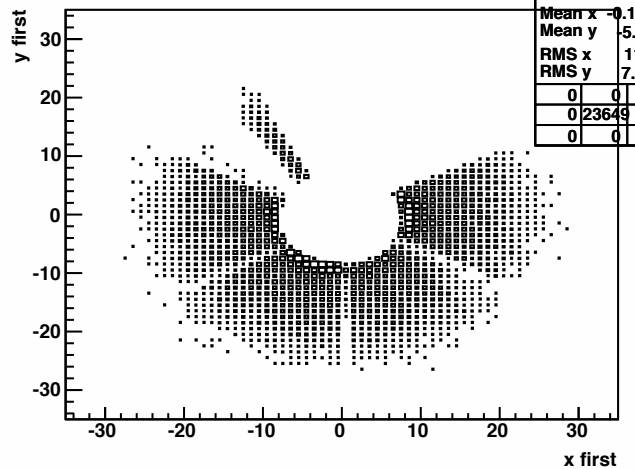
StE globtrk: log10 pT vs eta, ftpcW

StEQaGtrkPVsEtaFW		
Entries	33389	
Mean x	3.207	
Mean y	2.229	
RMS x	0.4743	
RMS y	0.5349	
0	255	2
0	32170	243
0	556	154



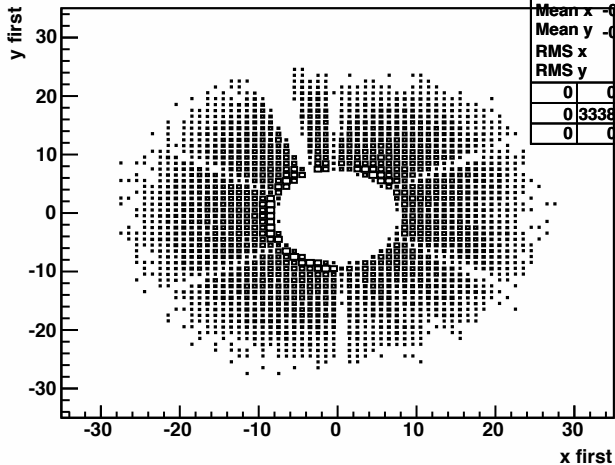
StE globtrk: Y vs X of first hit on trk, ftpcE

StEQaGtrkXYFE		
Entries	23649	
Mean x	-0.1309	
Mean y	-5.784	
RMS x	11.45	
RMS y	7.943	
0	0	0
0	23649	0
0	0	0



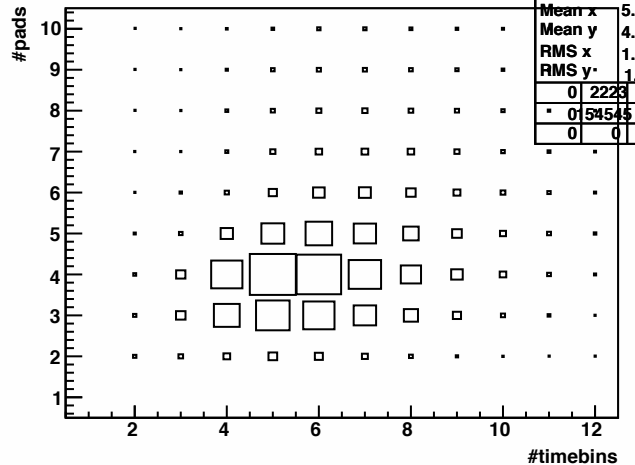
StE globtrk: Y vs X of first hit on trk, ftpcW

StEQaGtrkXYFW		
Entries	33389	
Mean x	-0.7698	
Mean y	-0.2844	
RMS x	10.97	
RMS y	10.29	
0	0	0
0	33389	0
0	0	0

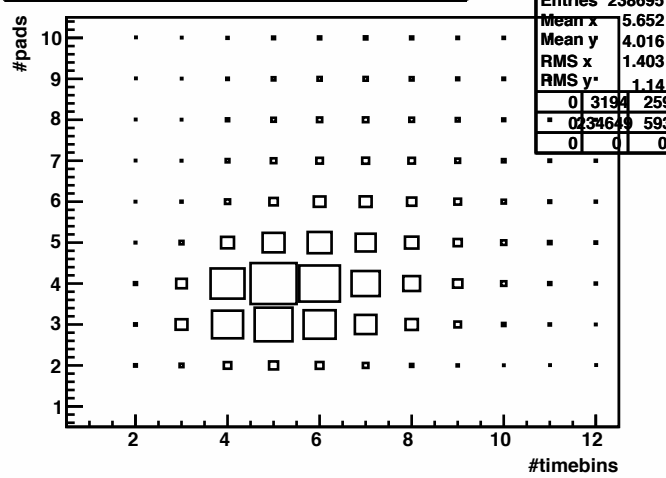


StE globtrk: #pads vs #timebins, ftpcE

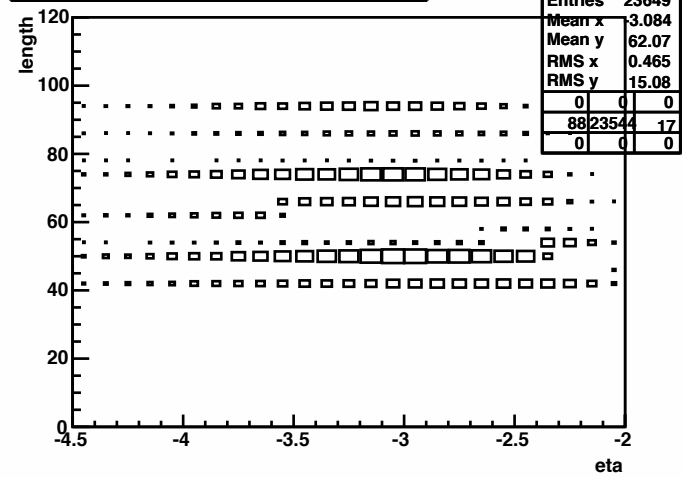
StEQaGtrkPadTimeFtpcE		
Entries	157509	
Mean x	5.875	
Mean y	4.083	
RMS x	1.444	
RMS y	1.121	
0	2223	187
0	54545	554
0	0	0



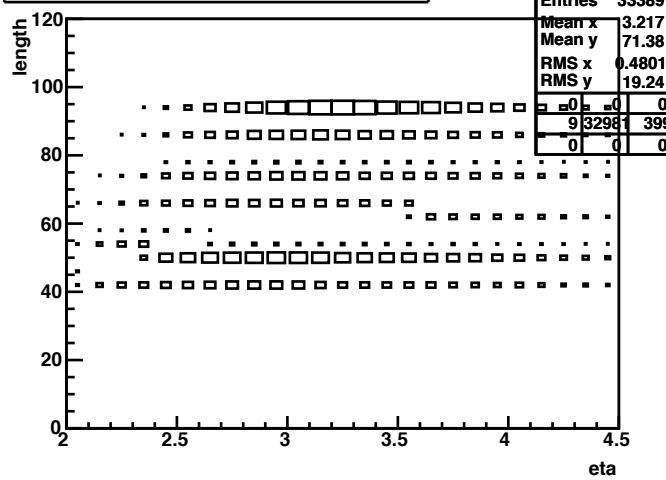
StE globtrk: #pads vs #timebins, ftpcW



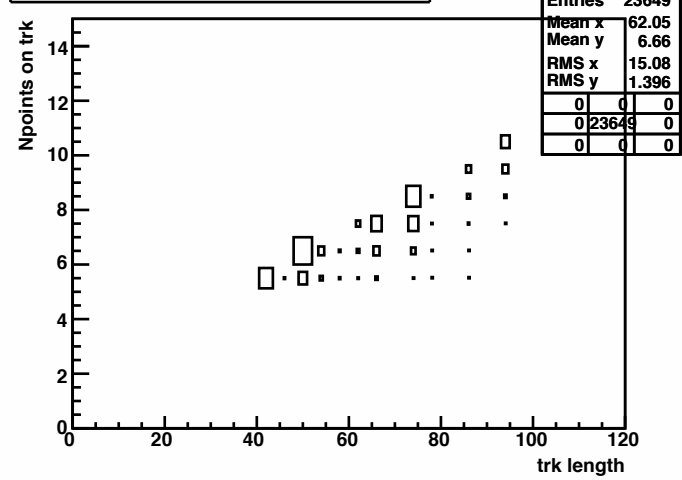
StE globtrk: trk length vs eta, ftpcE



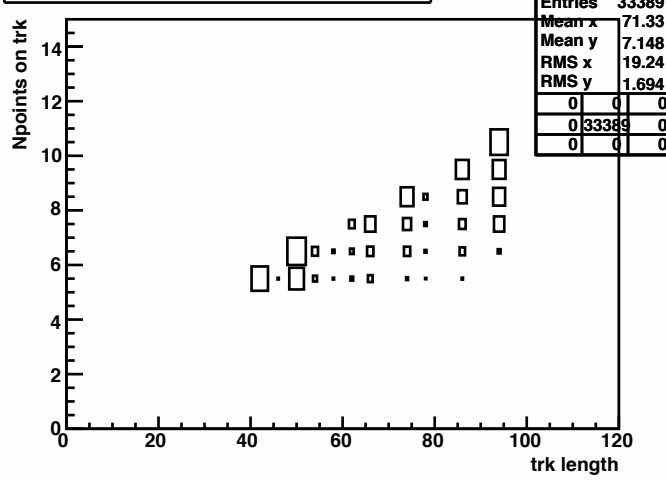
StE globtrk: trk length vs eta, ftpcW



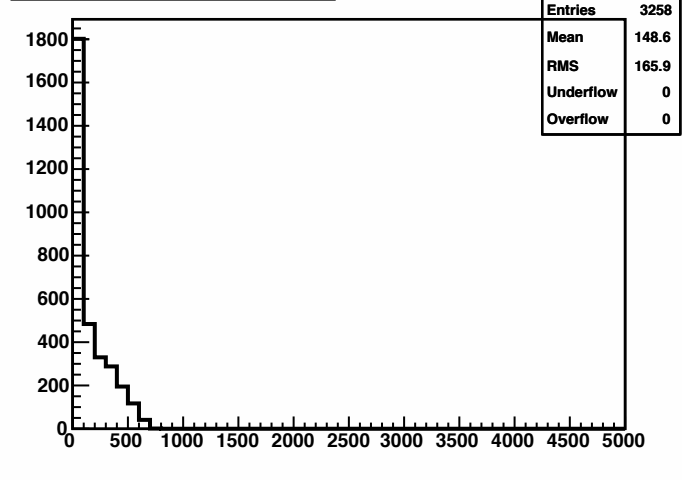
StE globtrk: N pnts vs length, ftpcE



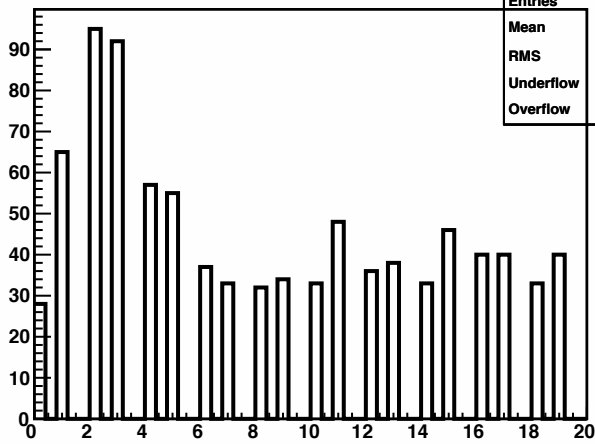
StE globtrk: N pnts vs length, ftpcW



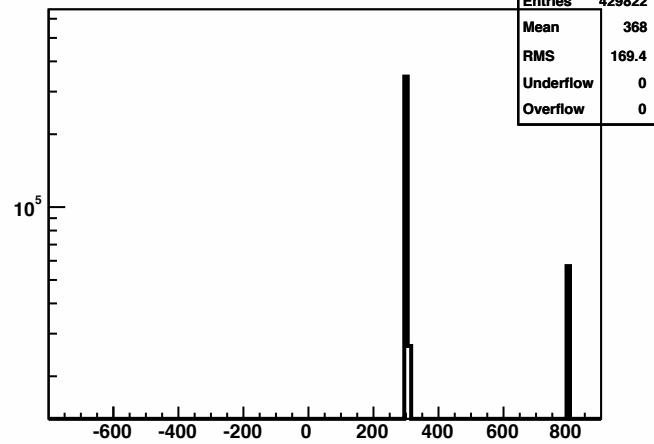
StE primtrk: tot num tracks



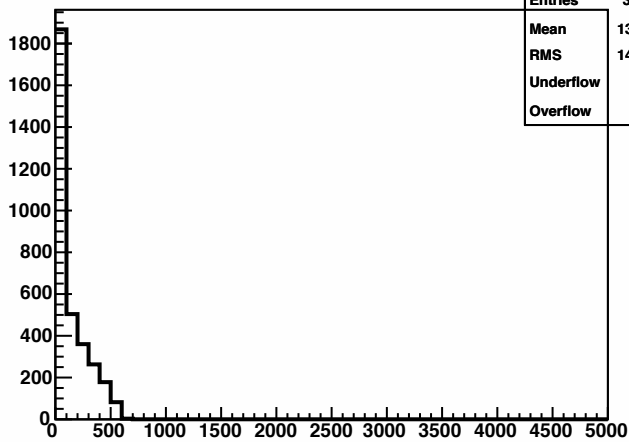
StE primtrk: tot num tracks



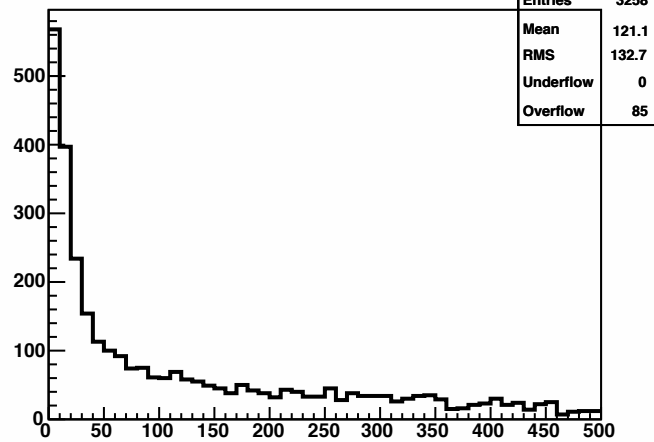
StE primtrk: iflag - all



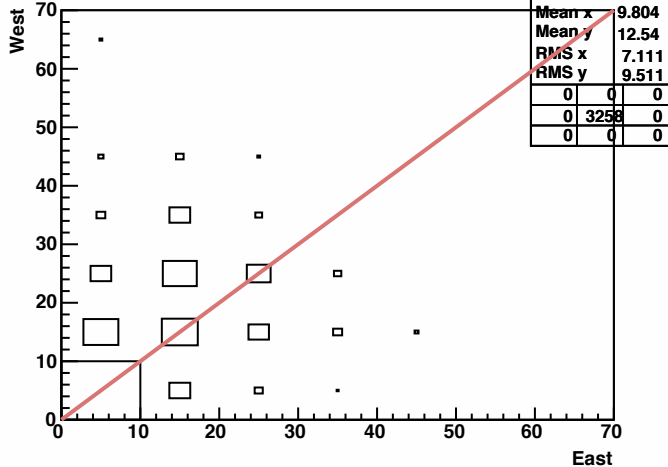
StE primtrk: tot num tracks iflag>0



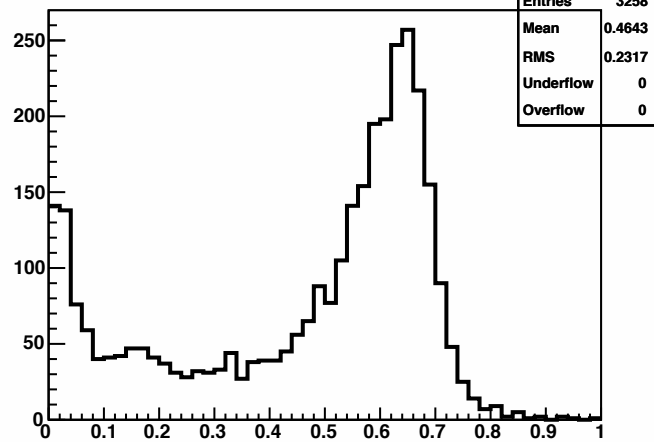
StE primtrk: tot num tracks iflag>0



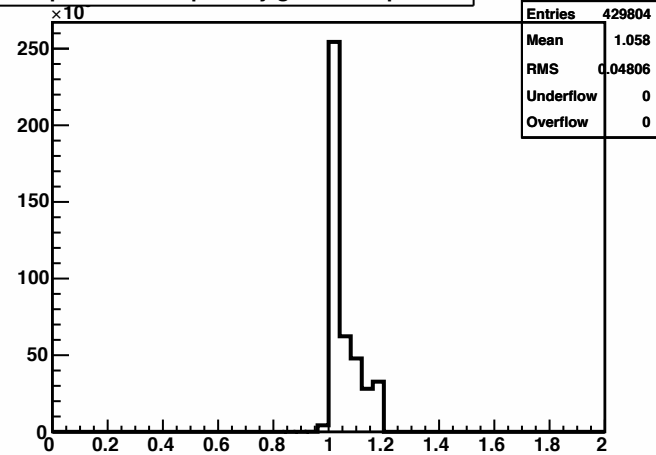
StE primtrk: tot num tracks iflag>0, ftpc



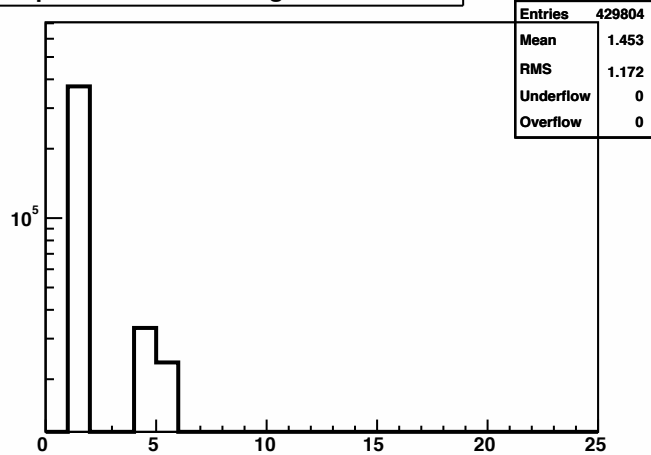
StE primtrk: ratio primary/global tracks w/ iflag>0



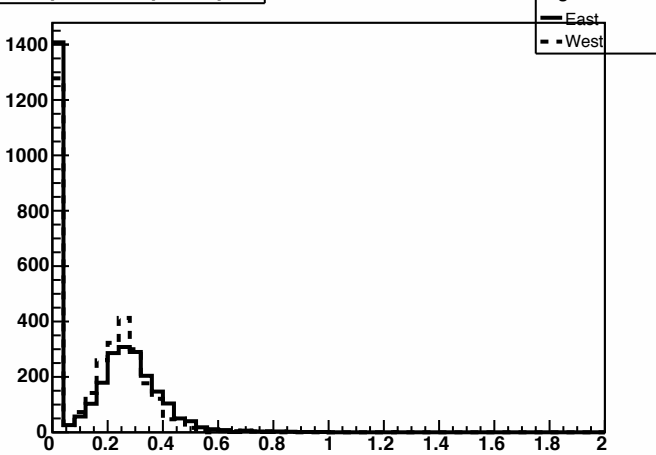
StE primtrk: ratio primary/global nfit points



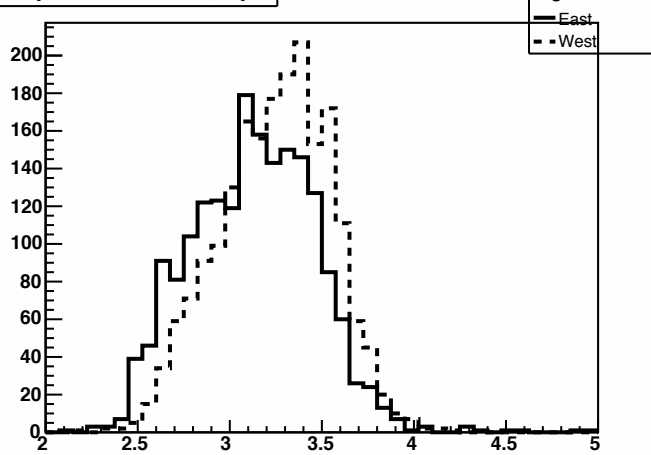
StE primtrk: Detector ID good tracks - all



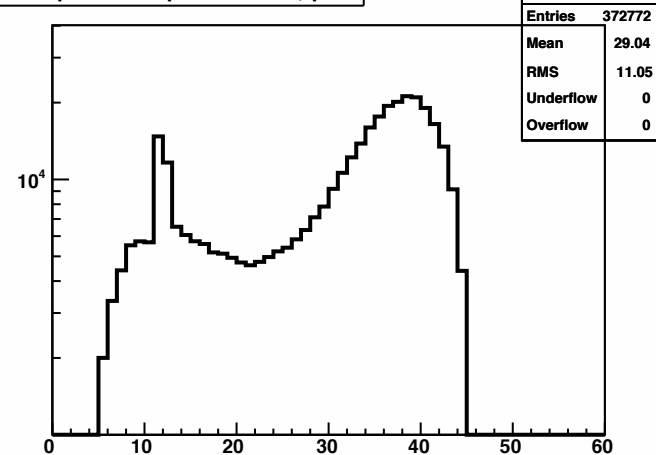
StE primtrk: <pT>, ftpc



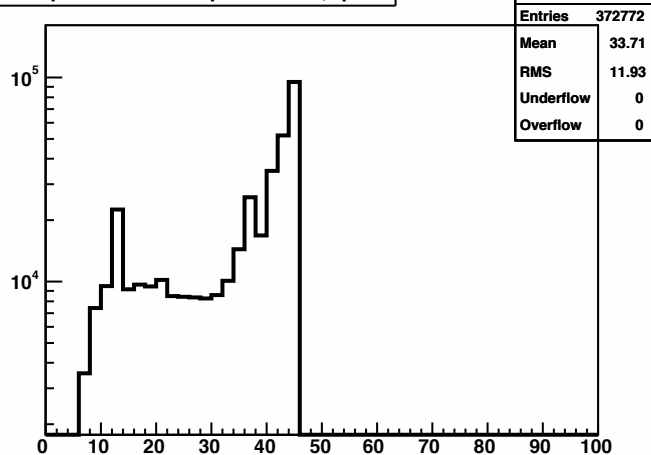
StE primtrk: |<eta>|, ftpc



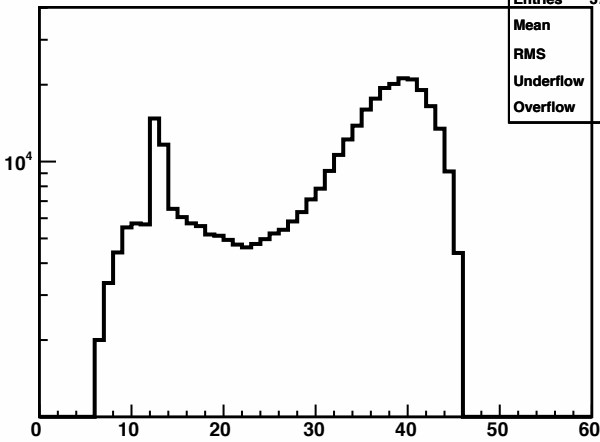
StE primtrk: N points on trk,tpc



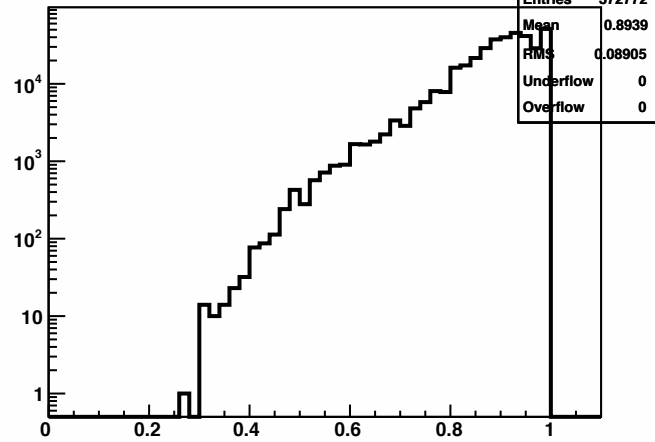
StE primtrk: N max pnts on trk, tpc



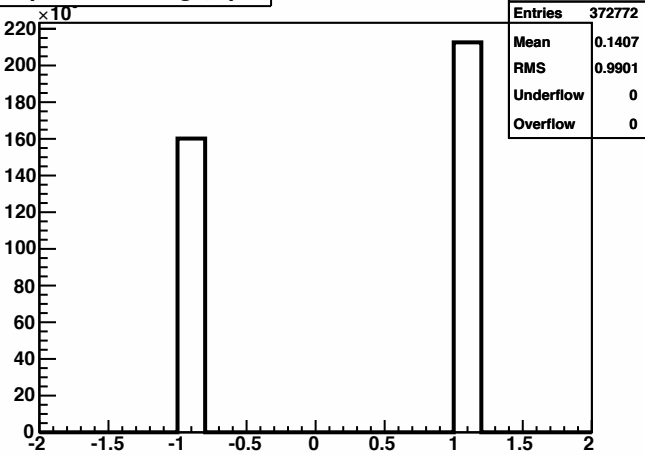
StE primtrk: N fit pnts on trk, tpc



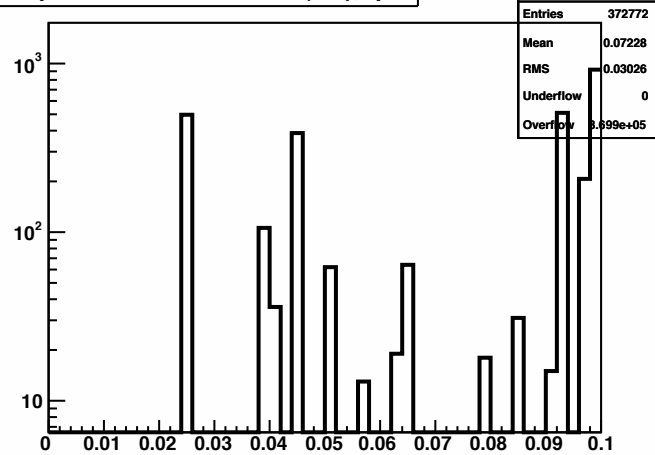
StE primtrk: ratio Nfit/max pnt, tpc



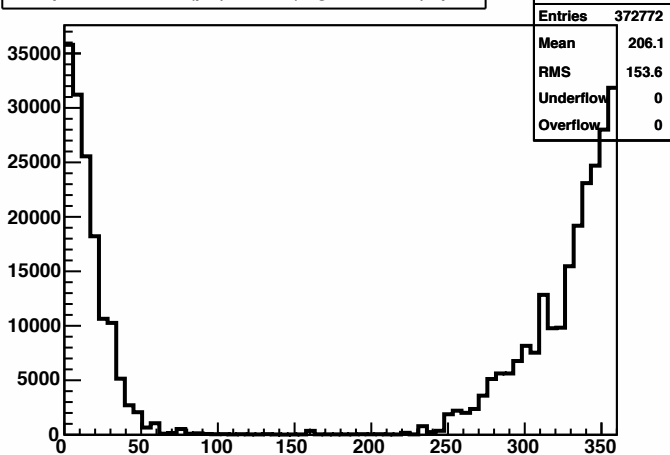
StE primtrk: charge, tpc



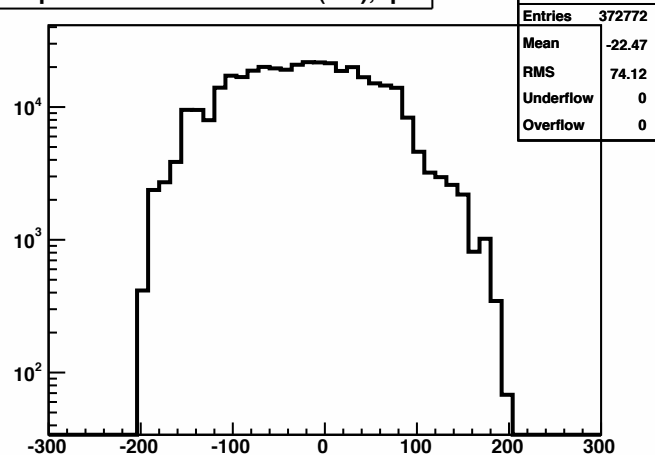
StE primtrk: radius at start (cm), tpc



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

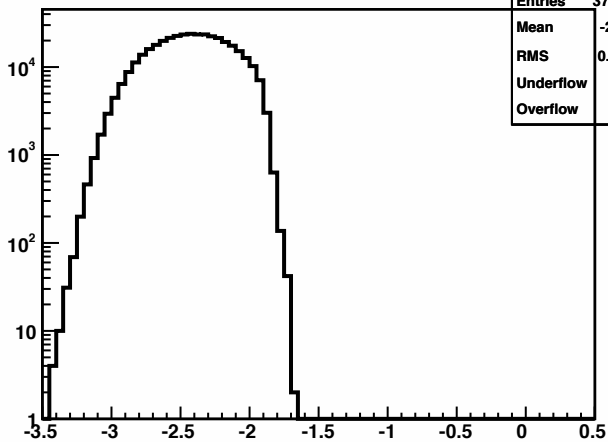


StE primtrk: z-coord at start (cm), tpc



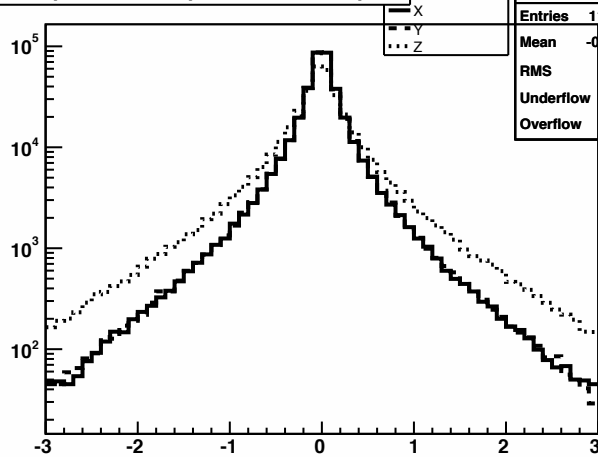
StE primtrk: log10 curvature (1/cm), tpc

StEQaPtrkCurvT	
Entries	372772
Mean	-2.428
RMS	0.2759
Underflow	1
Overflow	0



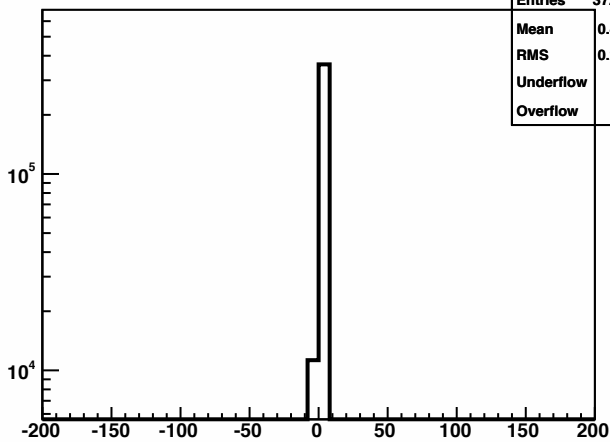
StE primtrk: first point: hit-helix, tpc

StEQaPtrkf0.	
Entries	1118316
Mean	-0.01067
RMS	0.4698
Underflow	1935
Overflow	1720



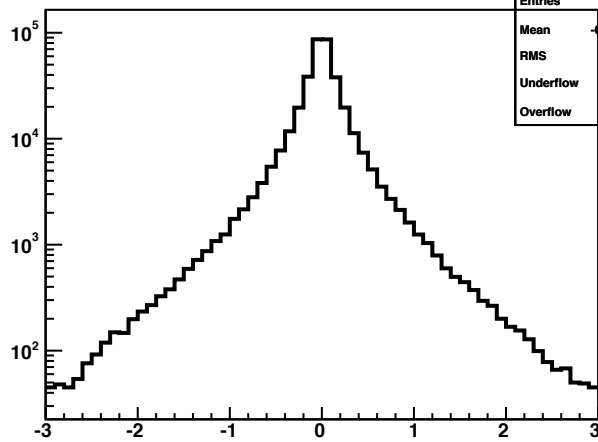
StE primtrk: x of first hit on trk, tpc

StEQaPtrkXfT	
Entries	372772
Mean	0.4019
RMS	0.2873
Underflow	0
Overflow	0



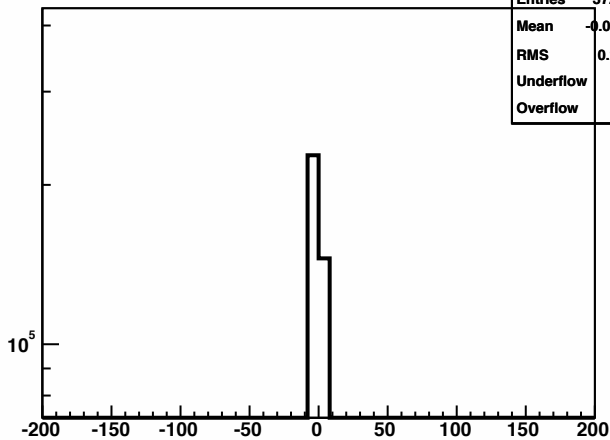
StE primtrk: first point: x_hit - x_helix, tpc

StEQaPtrkXf0	
Entries	372772
Mean	-0.004712
RMS	0.3975
Underflow	290
Overflow	277



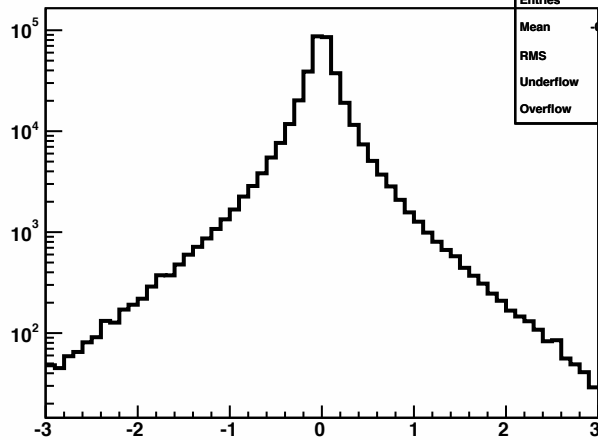
StE primtrk: y of first hit on trk, tpc

StEQaPtrkYfT	
Entries	372772
Mean	-0.08661
RMS	0.2965
Underflow	0
Overflow	0

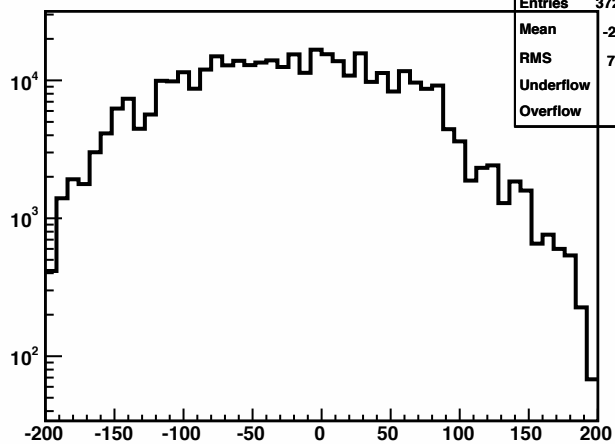


StE primtrk: first point: y_hit - y_helix, tpc

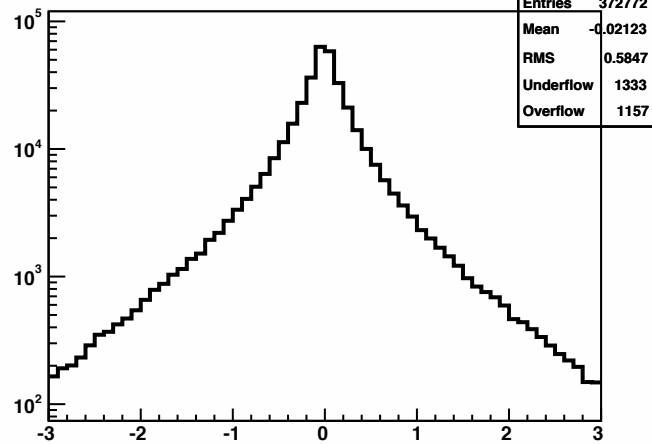
StEQaPtrkYf0	
Entries	372772
Mean	-0.006006
RMS	0.4001
Underflow	312
Overflow	286



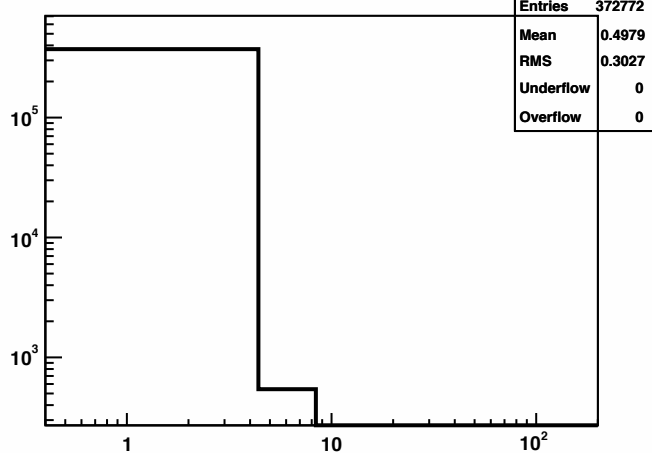
StE primtrk: z of first hit on trk, tpc



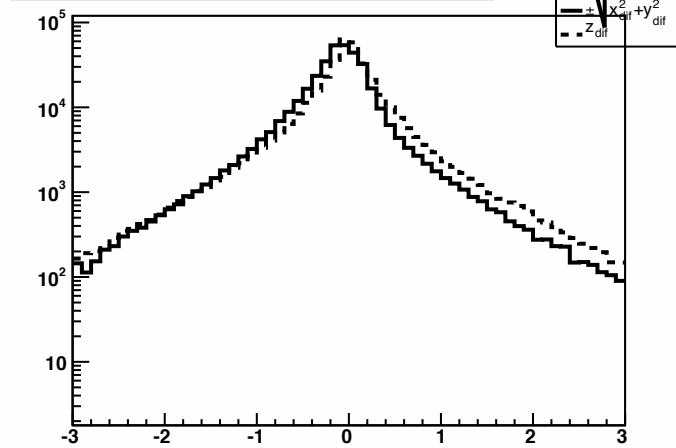
StE primtrk: first point: z_hit - z_helix, tpc



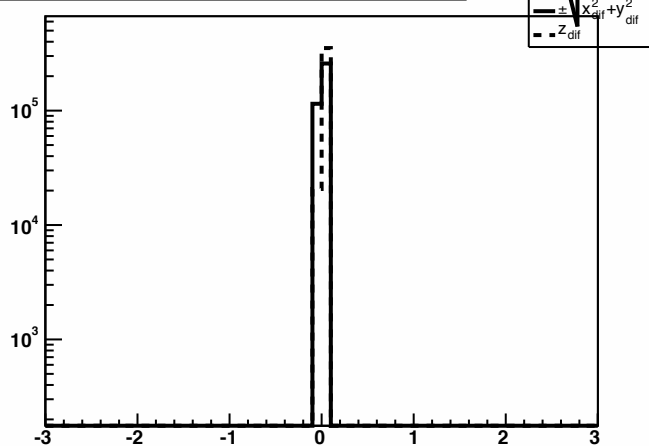
StE primtrk: radial position of first hit, tpc



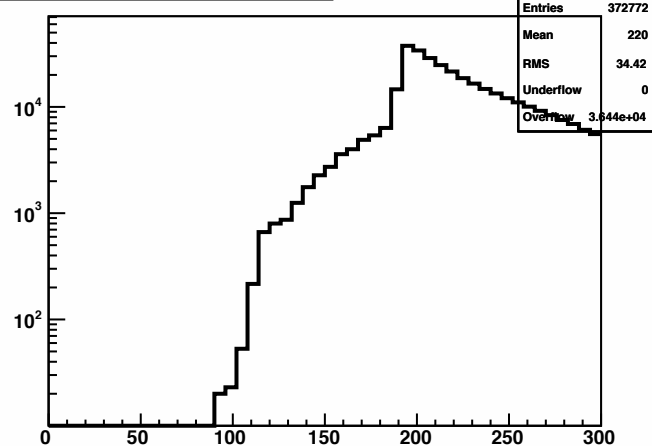
StE primtrk: first point: hit - helix (r,z), tpc



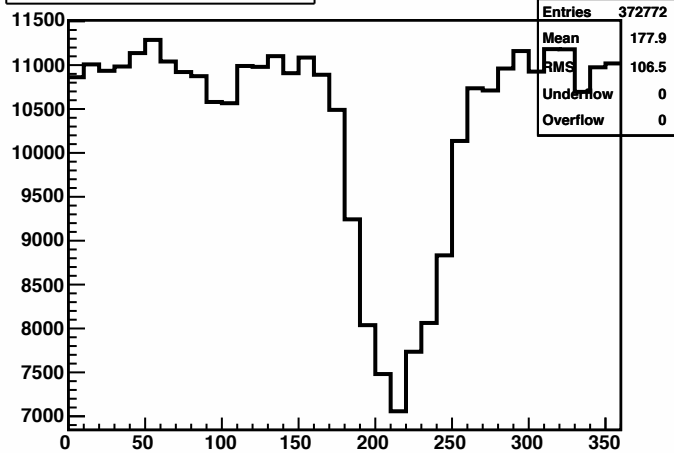
StE primtrk: last point: hit - helix (r,z), tpc



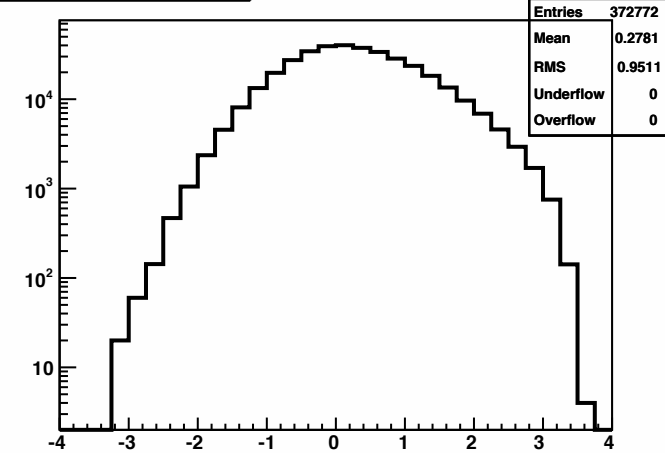
StE primtrk: track length, tpc



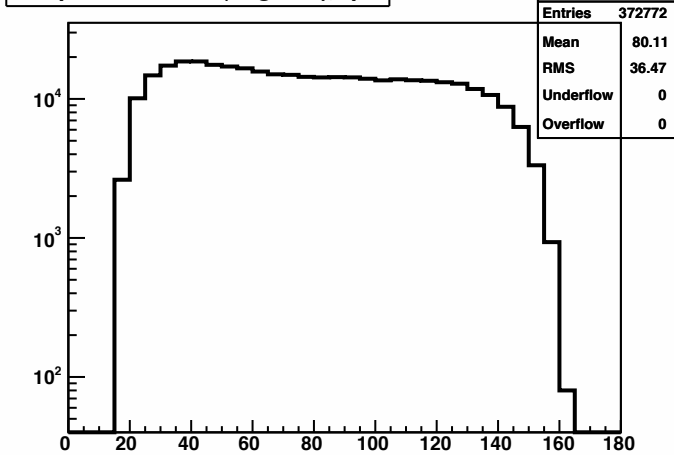
StEQaPtrkPsiT



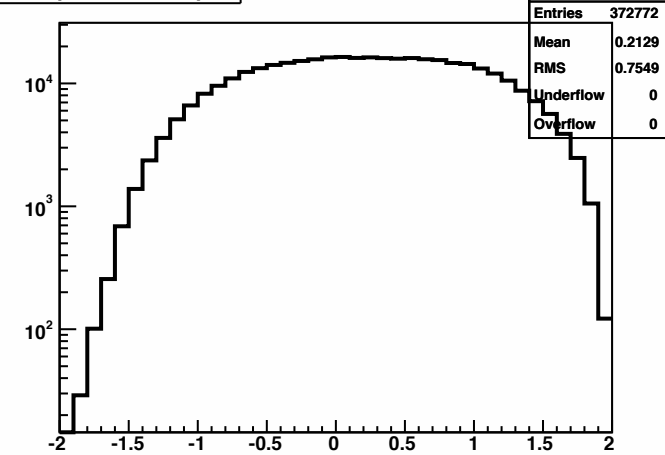
StEQaPtrkTanIT



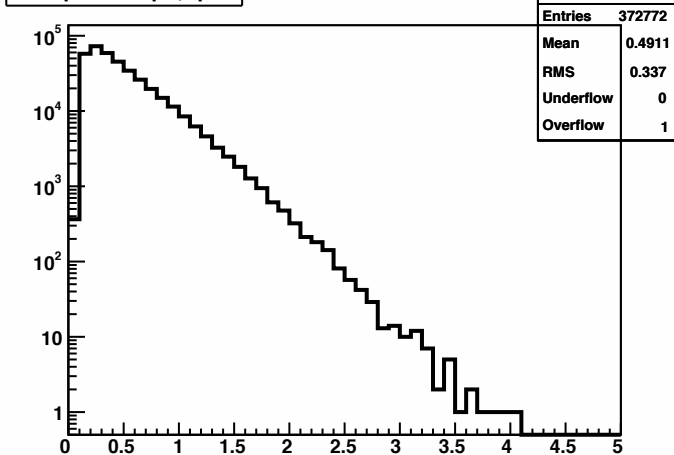
StEQaPtrkThetaT



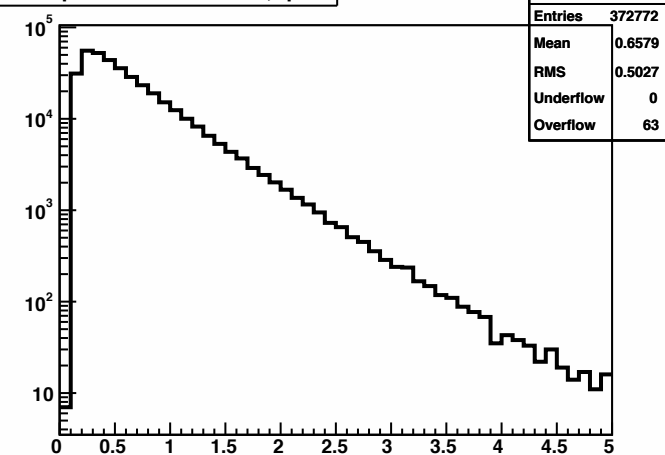
StEQaPtrkEtaT



StEQaPtrkPT

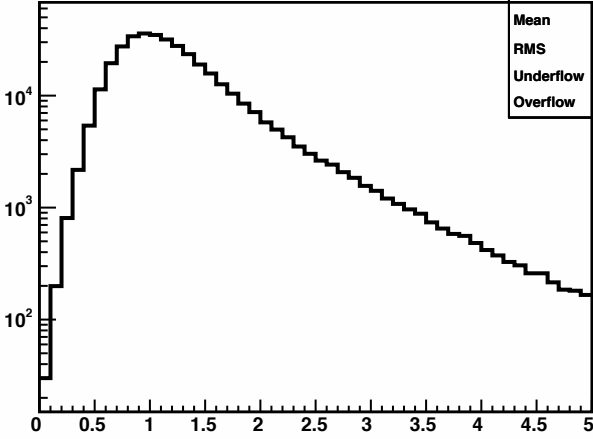


StEQaPtrkMomentum



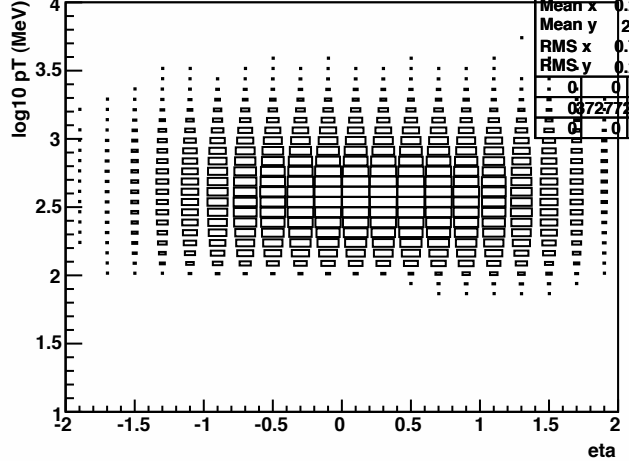
StE primtrk: chisq0, tpc

StEQaPtrkChisq0T	
Entries	372772
Mean	1.302
RMS	0.6557
Underflow	0
Overflow	1621



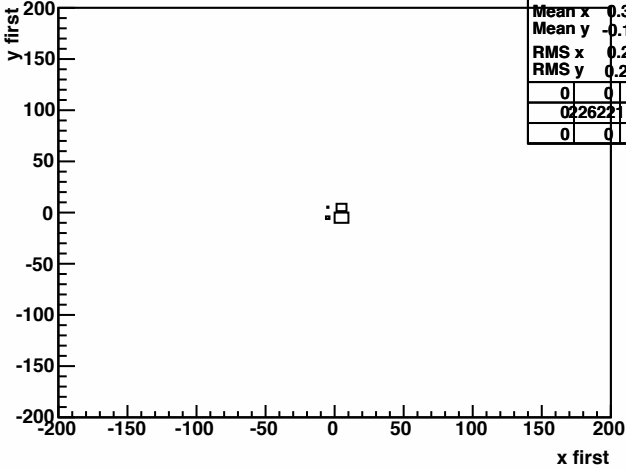
StE primtrk: log10 pT vs eta, tpc

StEQaPtrkPtvEtaT		
Entries	372772	
Mean x	0.2129	
Mean y	2.603	
RMS x	0.7549	
RMS y	0.2759	
	0	0
	0	0
	0	0



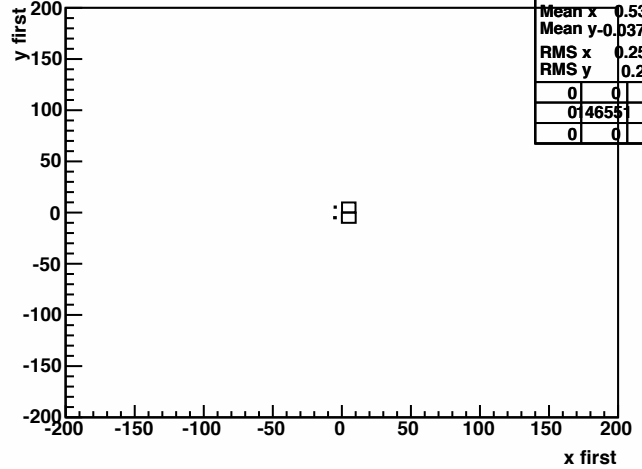
StE primtrk: Y vs X of first hit on trk, tpc east

StEQaPtrkXYITE		
Entries	226221	
Mean x	0.3169	
Mean y	-0.1181	
RMS x	0.2761	
RMS y	0.2977	
	0	0
	0	0
	0	0



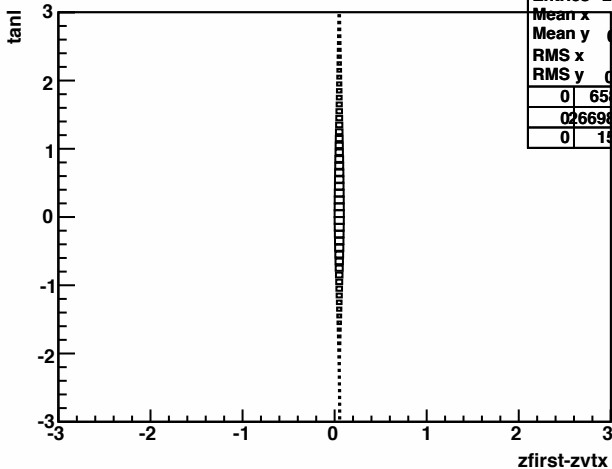
StE primtrk: Y vs X of first hit on trk, tpc west

StEQaPtrkXYITW		
Entries	146551	
Mean x	0.5332	
Mean y	-0.03793	
RMS x	0.2529	
RMS y	0.288	
	0	0
	0	0
	0	0



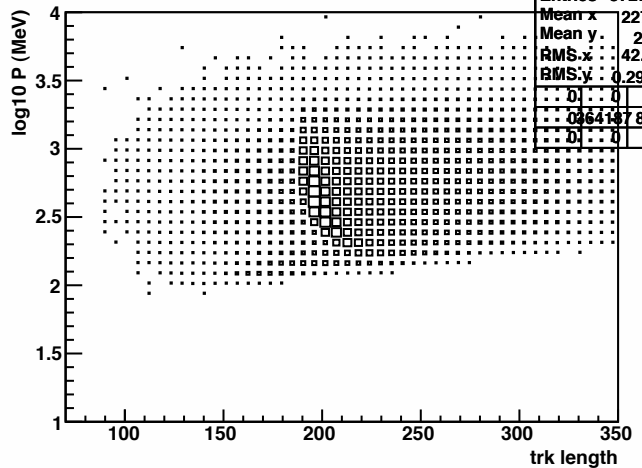
StE primtrk: tan(dip) versus zfirst-zvtx, tpc, tpc+svt

StEQaPtrkTanZf		
Entries	267657	
Mean x	0	
Mean y	0.2652	
RMS x	0	
RMS y	0.9438	
	0	658
	0	66944
	0	15

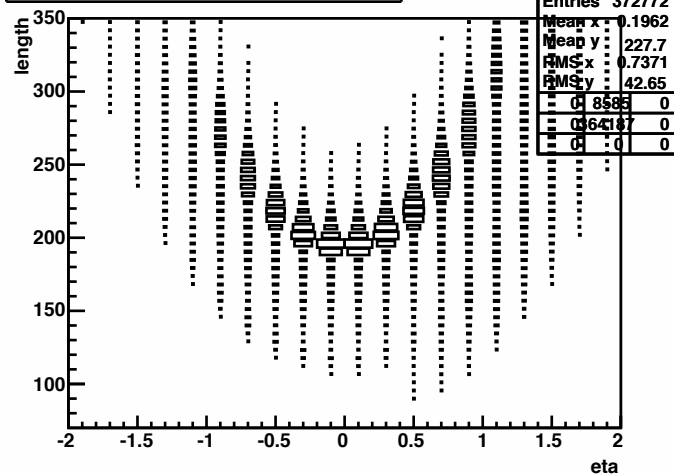


StE primtrk: log10 mom vs trk length, tpc

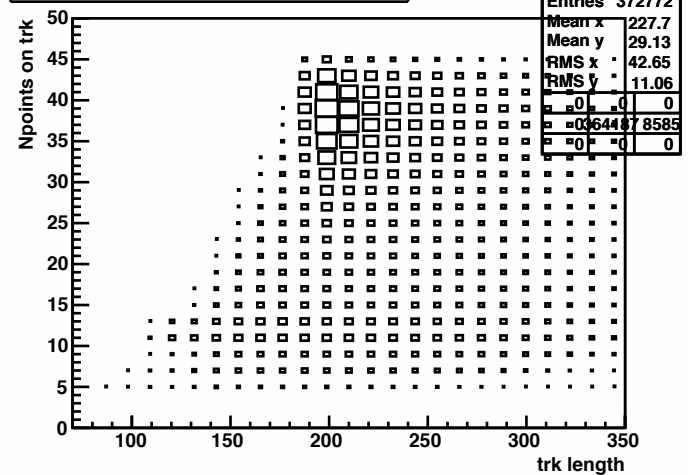
StEQaPtrkPvsTrkLengthT		
Entries	372772	
Mean x	227.7	
Mean y	2.71	
RMS x	42.65	
RMS y	0.2955	
	0	1
	0	8584
	0	0



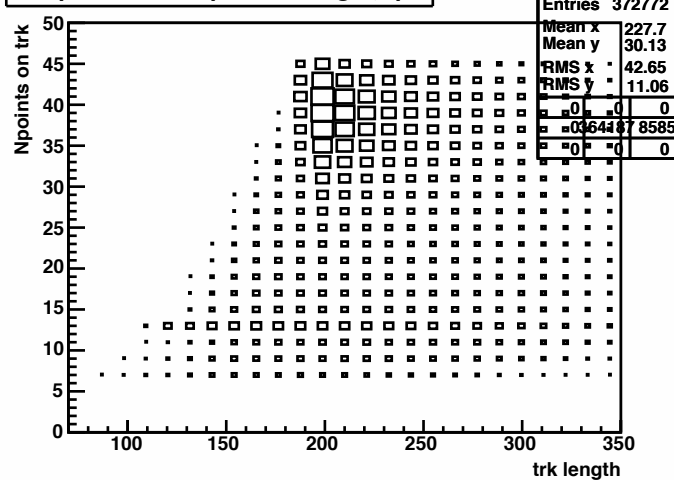
StE primtrk: trk length vs eta, tpc



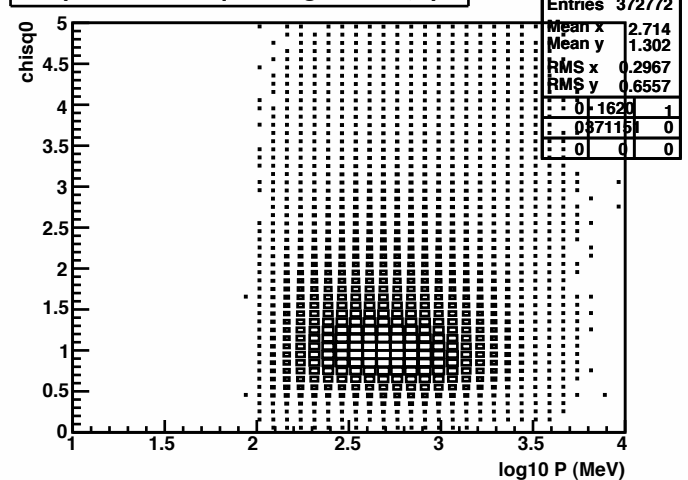
StE primtrk: N pnts vs length, tpc



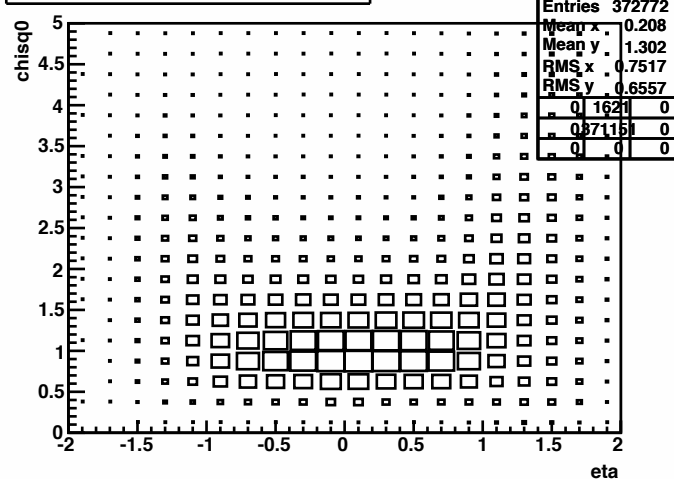
StE primtrk: N fit pnts vs length, tpc



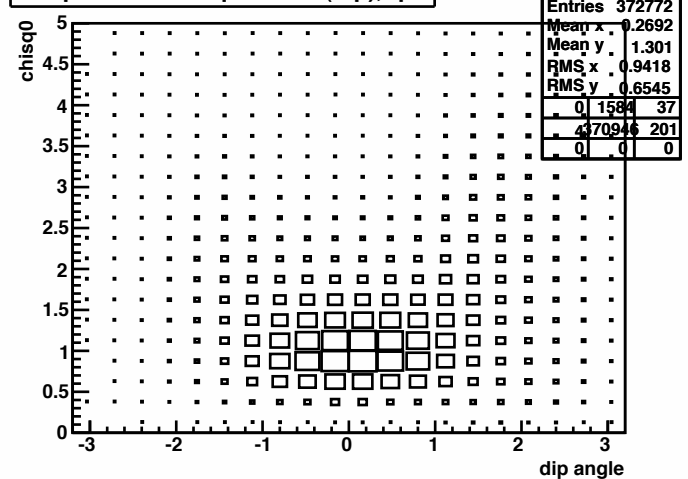
StE primtrk: Chisq0 vs log10 mom, tpc



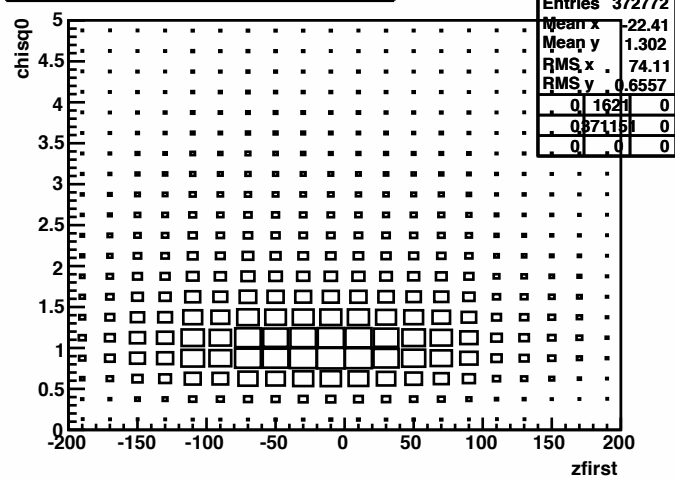
StE primtrk: Chisq0 vs eta, tpc



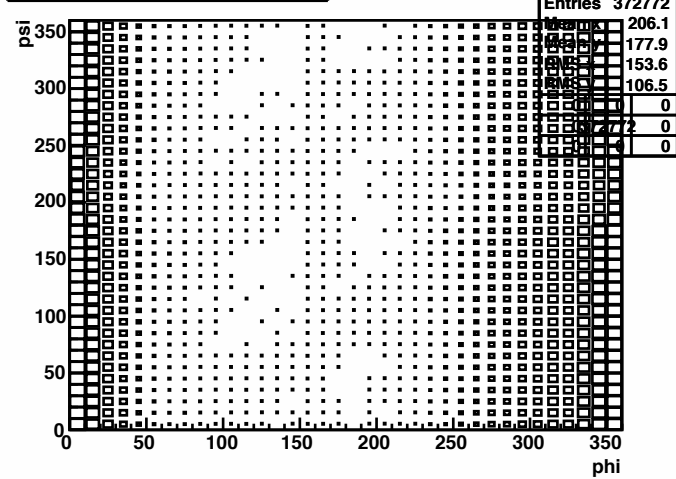
StE primtrk: Chisq0 vs tan(dip), tpc



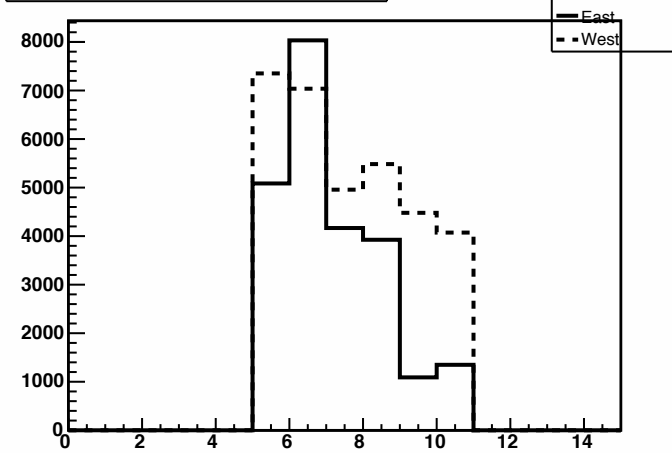
StE primtrk: Chisq0 vs zfirst, tpc



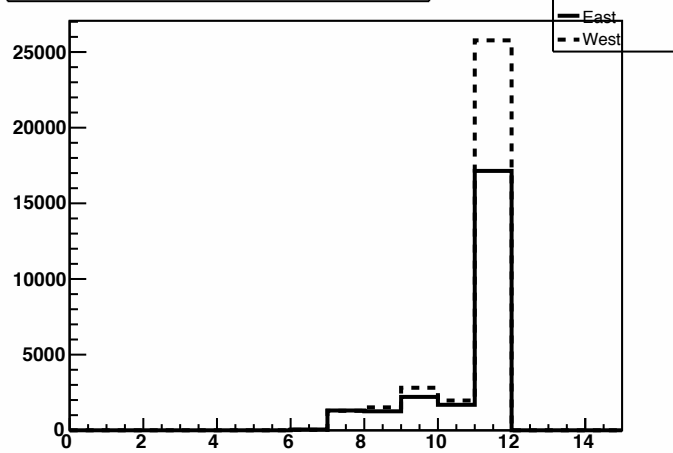
StE primtrk: psi vs phi, tpc



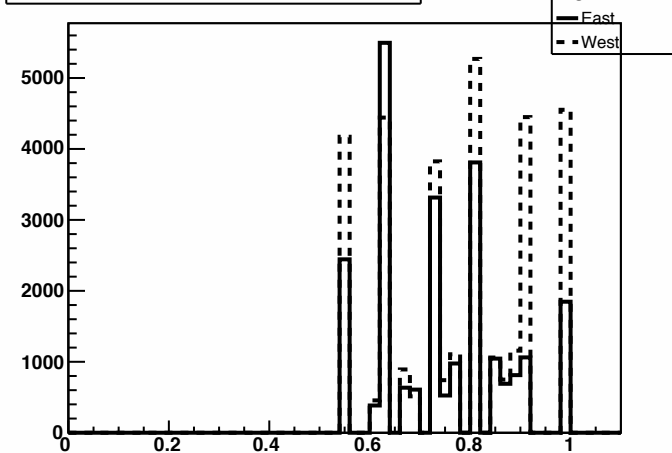
StE primtrk: N points on trk,ftpc



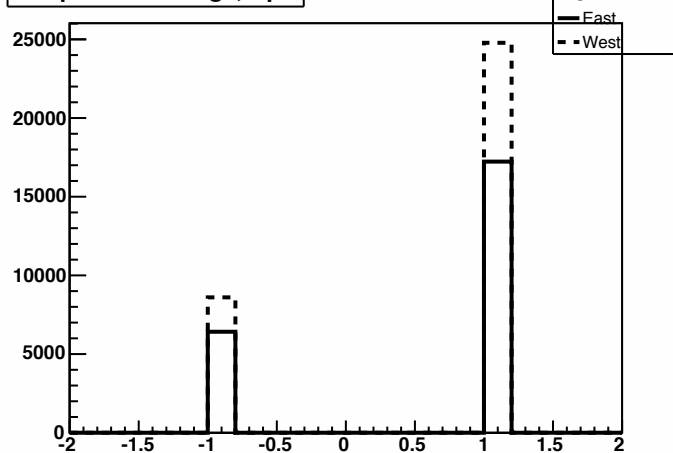
StE primtrk: N max pnts on trk, ftpc



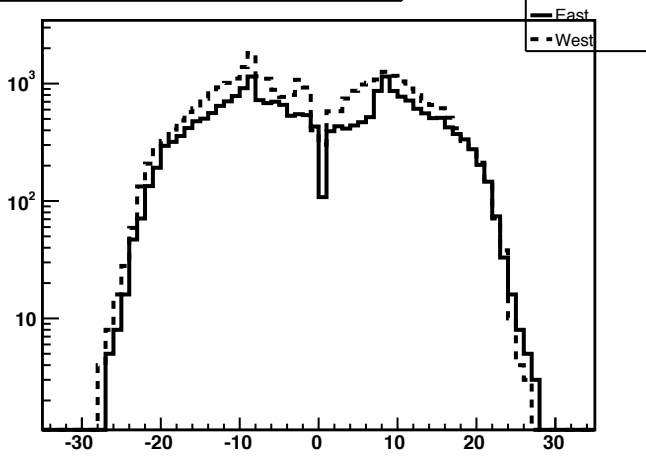
StE primtrk: ratio Nfit/max pnt, ftpc



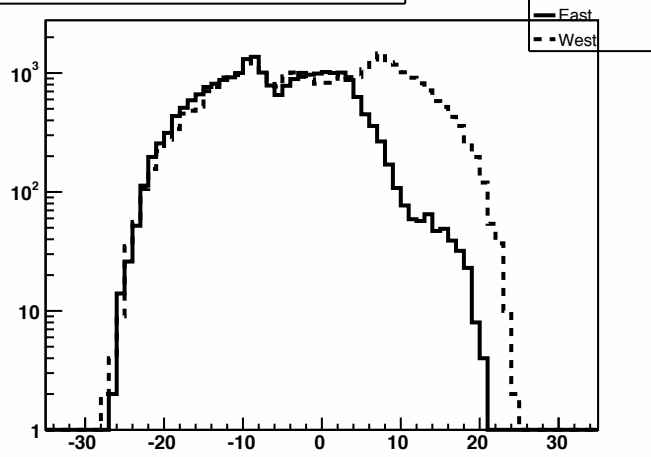
StE primtrk: charge, ftpc



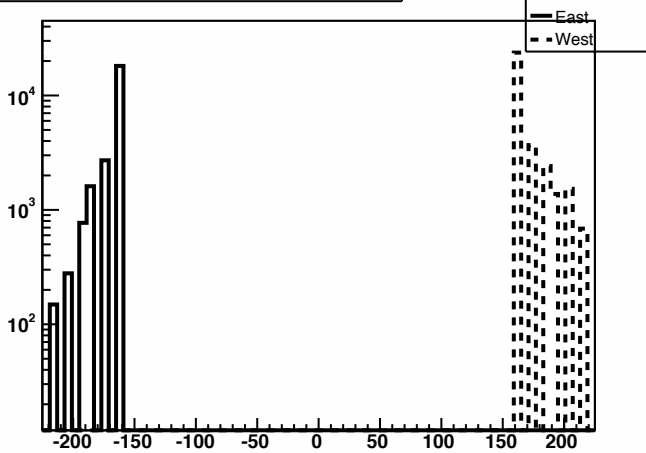
StE primtrk: x of first hit on trk, ftpc



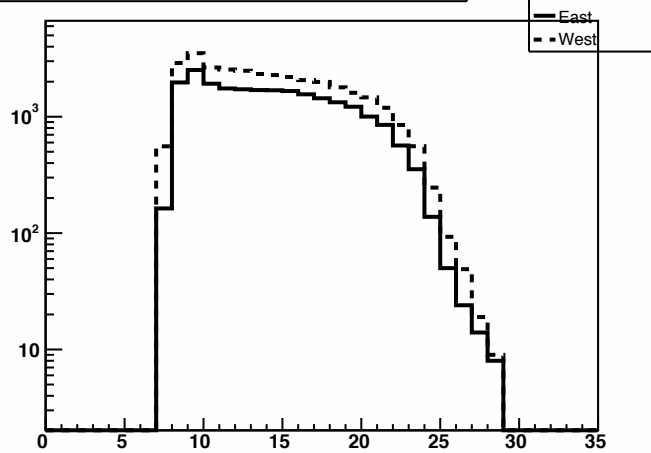
StE primtrk: y of first hit on trk, ftpc



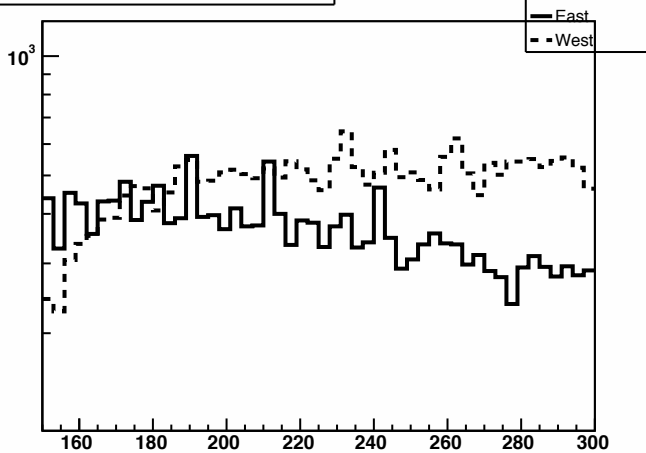
StE primtrk: z of first hit on trk, ftpc



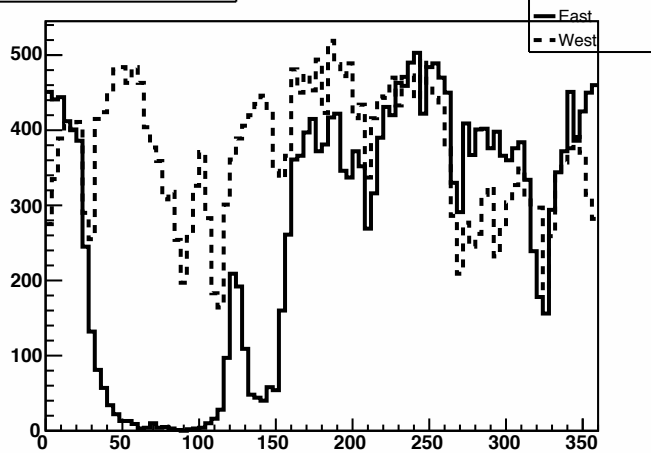
StE primtrk: radial position of first hit, ftpc



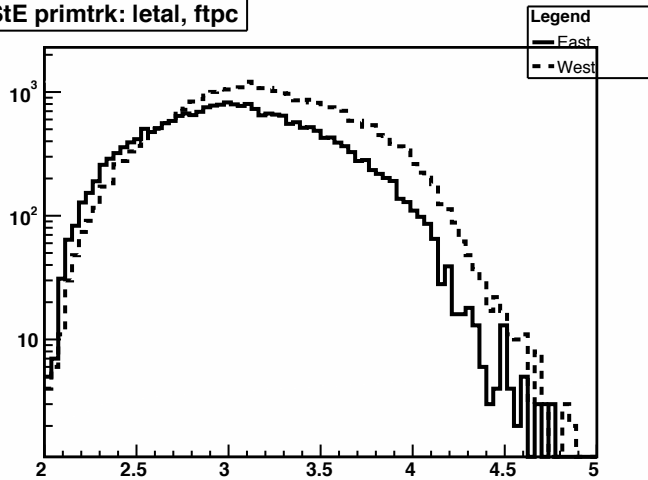
StE primtrk: track length, ftpc



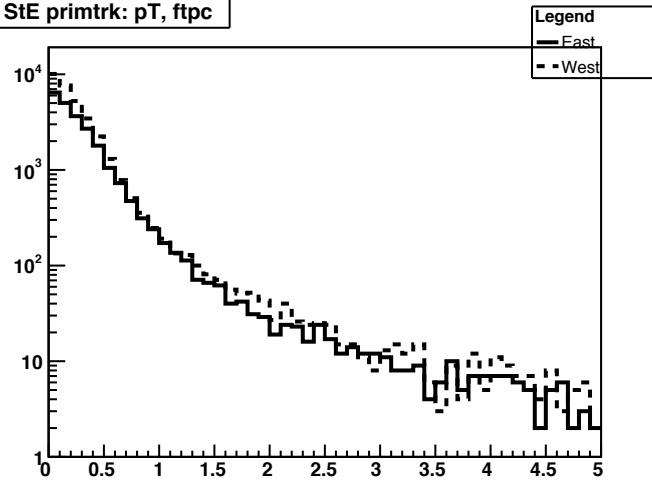
StE primtrk: psi, ftpc



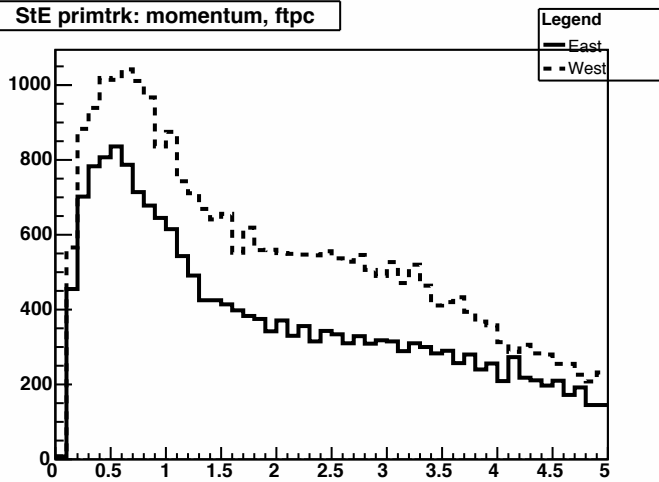
StE primtrk: letal, ftpc



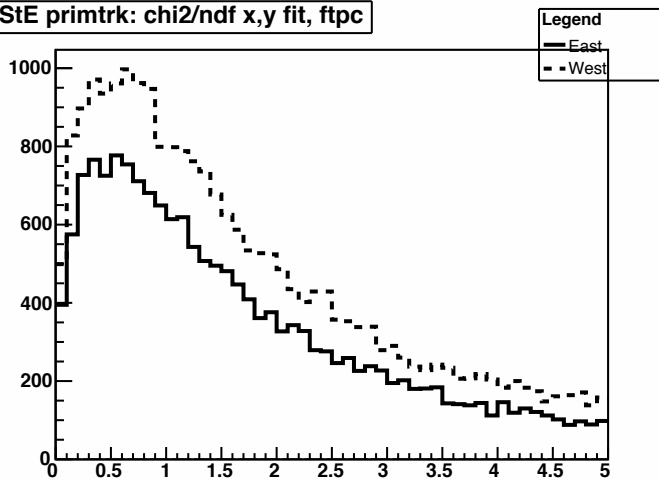
StE primtrk: pT, ftpc



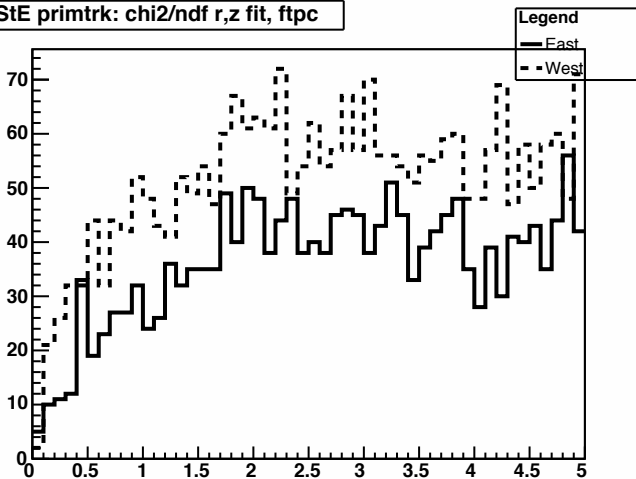
StE primtrk: momentum, ftpc



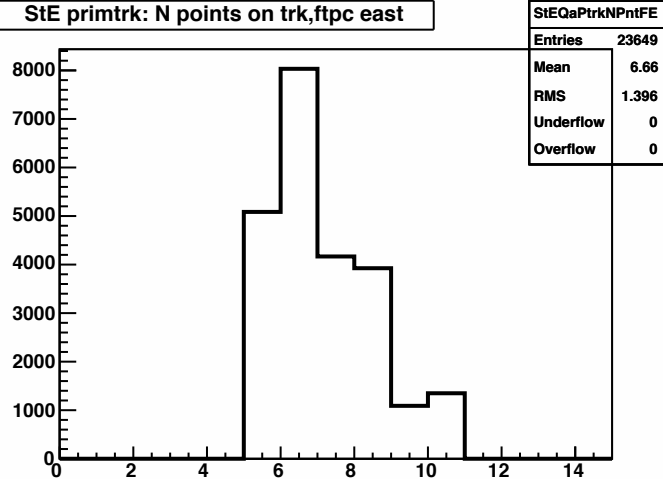
StE primtrk: chi2/ndf x,y fit, ftpc



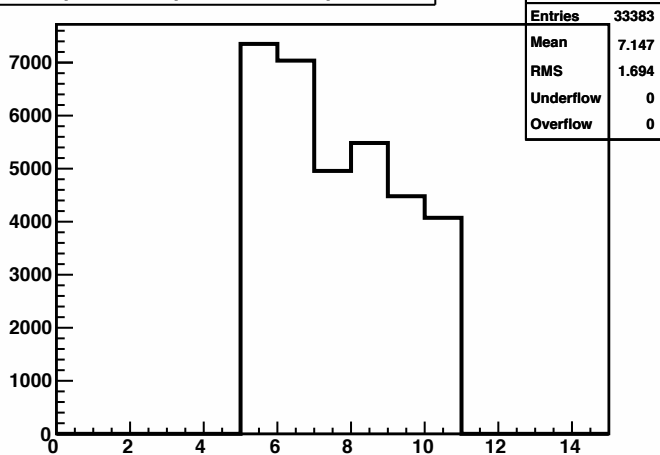
StE primtrk: chi2/ndf r,z fit, ftpc



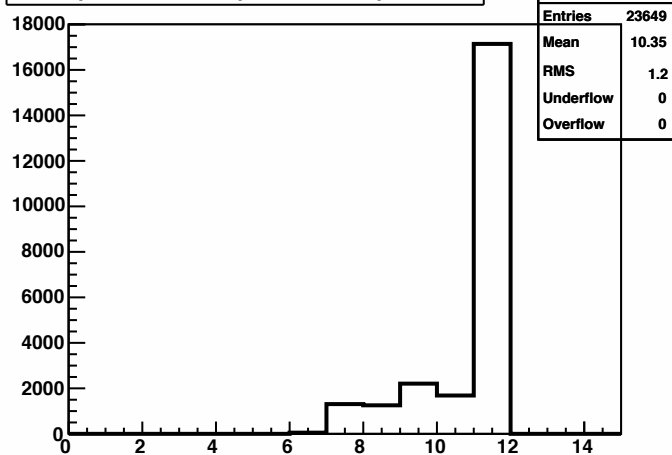
StE primtrk: N points on trk, ftpc east



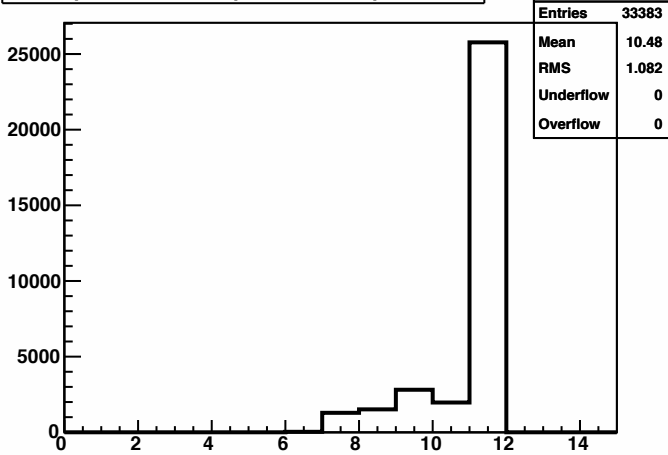
StE primtrk: N points on trk,ftpc west



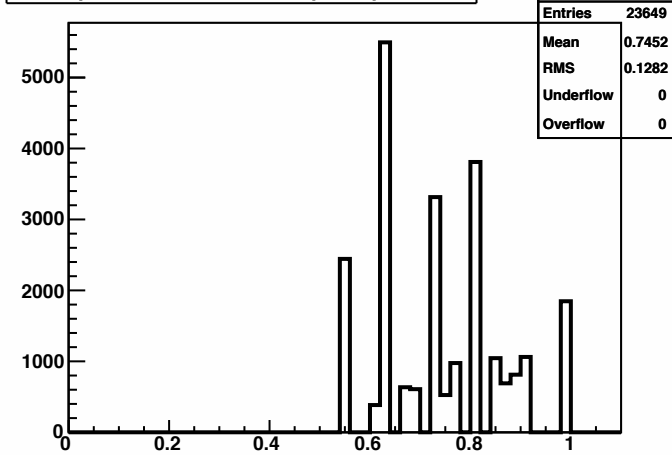
StE primtrk: N max pnts on trk, ftpc east



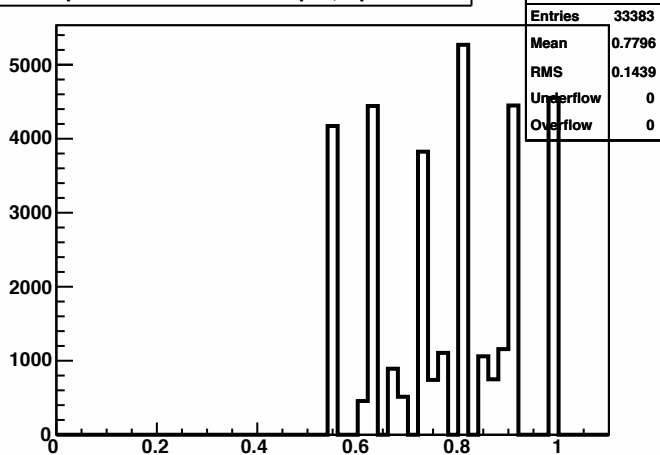
StE primtrk: N max pnts on trk, ftpc west



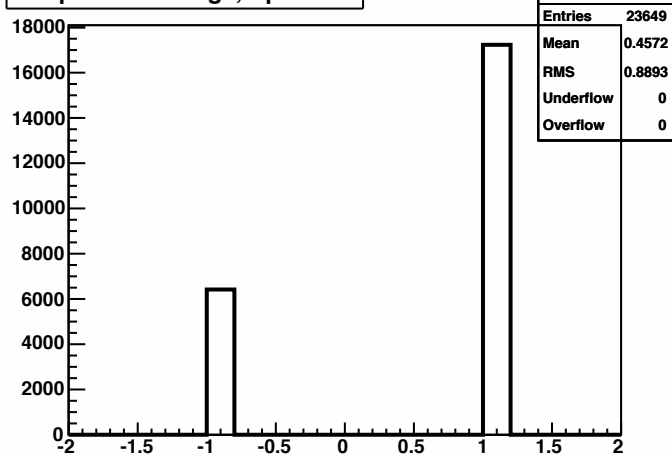
StE primtrk: ratio Nfit/max pnt, ftpc east



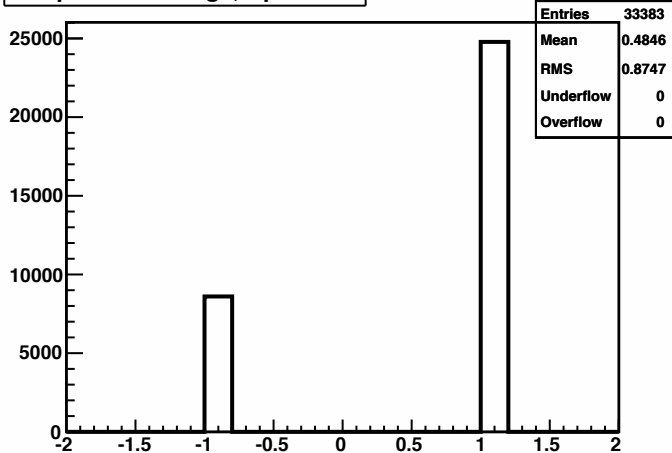
StE primtrk: ratio Nfit/max pnt, ftpc west



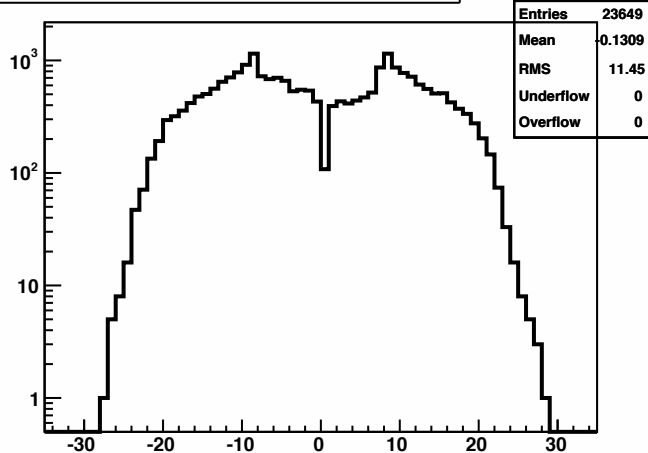
StE primtrk: charge, ftpc east



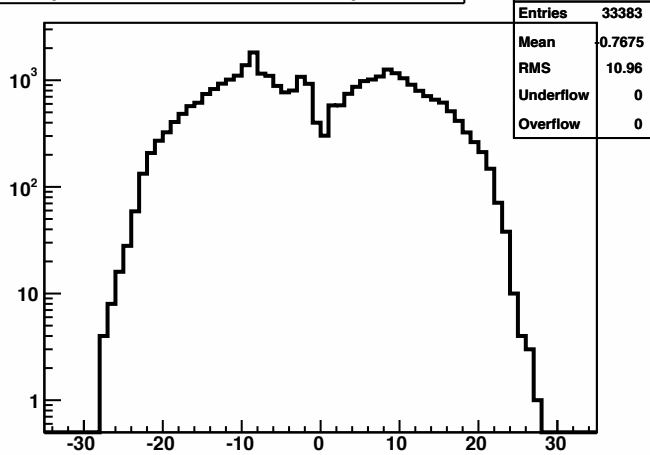
StE primtrk: charge, ftpc west



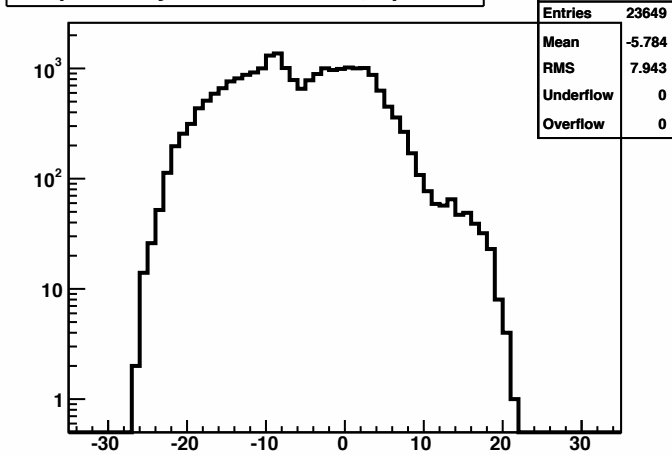
StE primtrk: x of first hit on trk, ftpc east



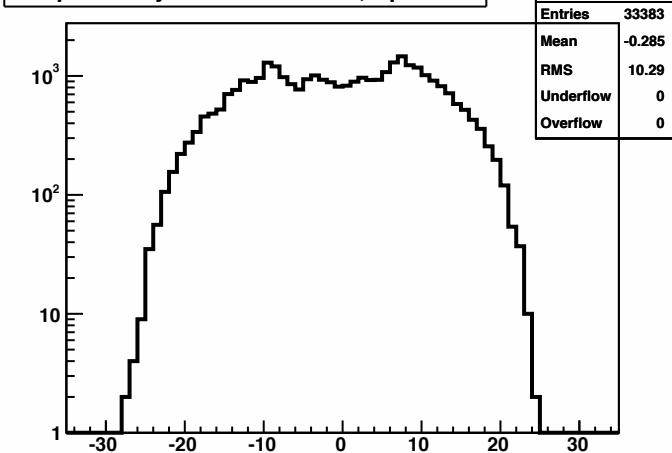
StE primtrk: x of first hit on trk, ftpc west



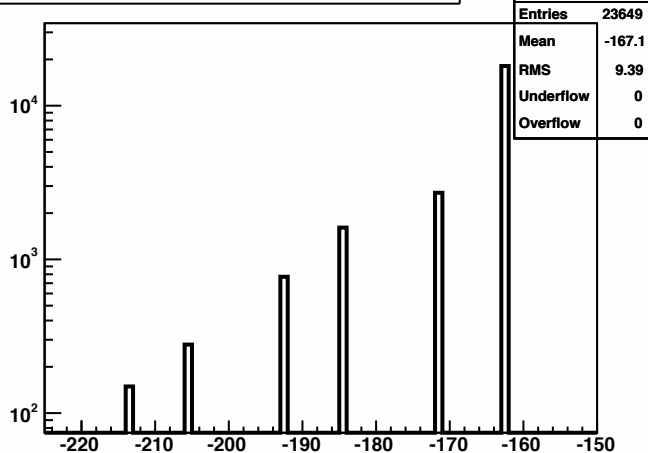
StE primtrk: y of first hit on trk, ftpc east



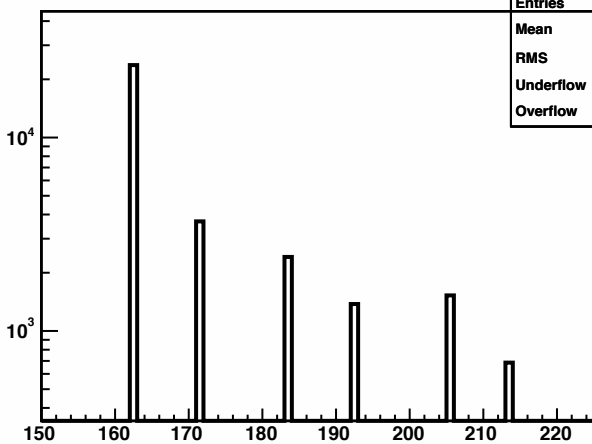
StE primtrk: y of first hit on trk, ftpc west



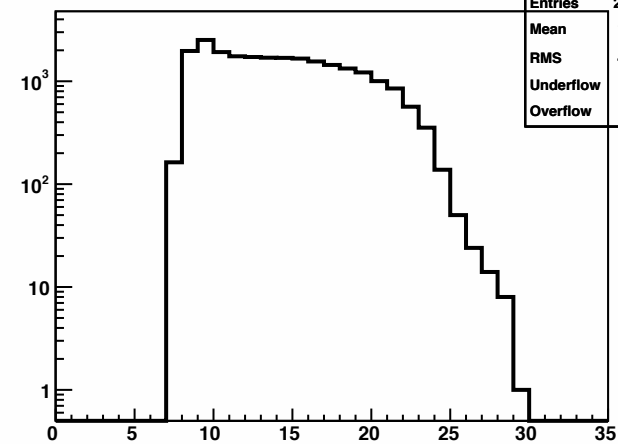
StE primtrk: z of first hit on trk, ftpc east



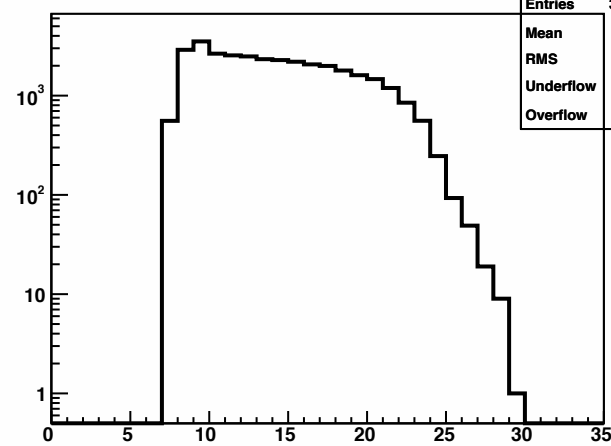
StE primtrk: z of first hit on trk, ftpc west



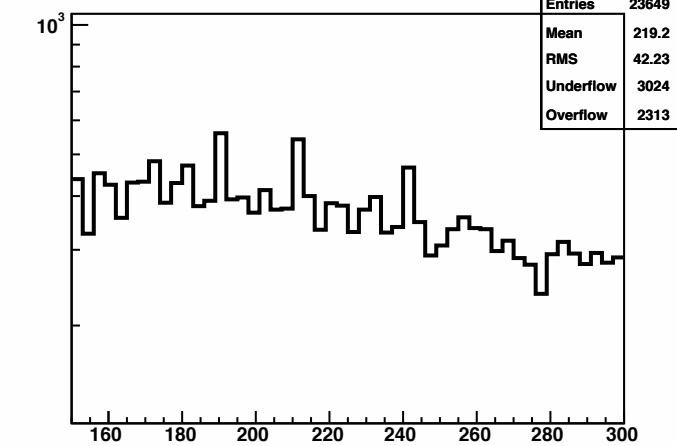
StE primtrk: radial position of first hit, ftpc east



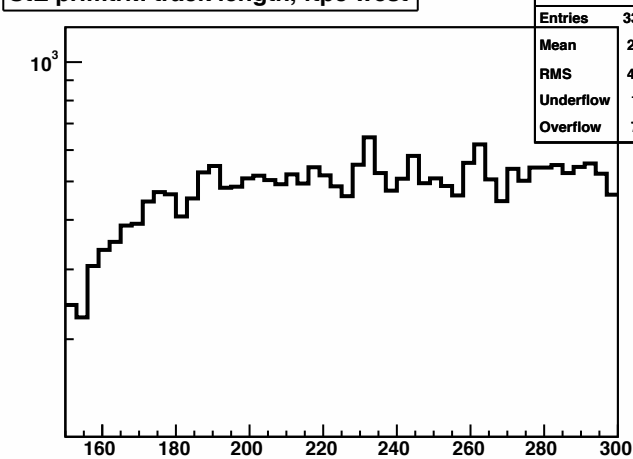
StE primtrk: radial position of first hit, ftpc west



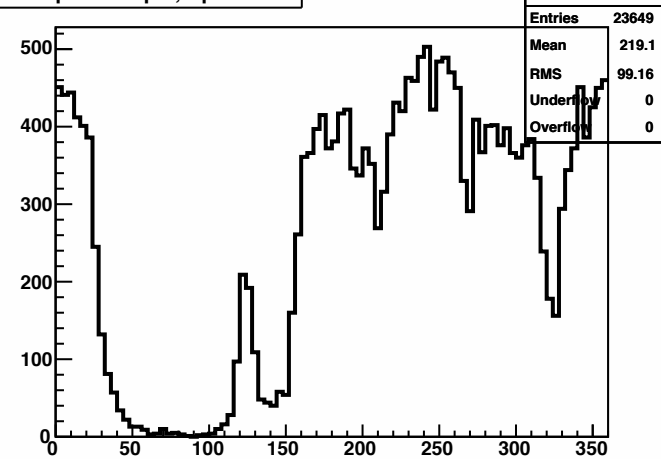
StE primtrk: track length, ftpc east



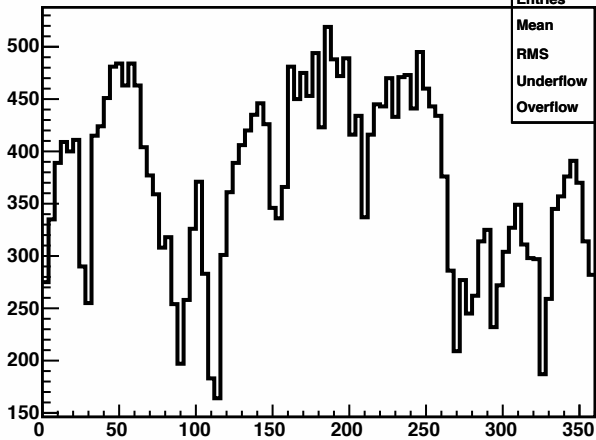
StE primtrk: track length, ftpc west



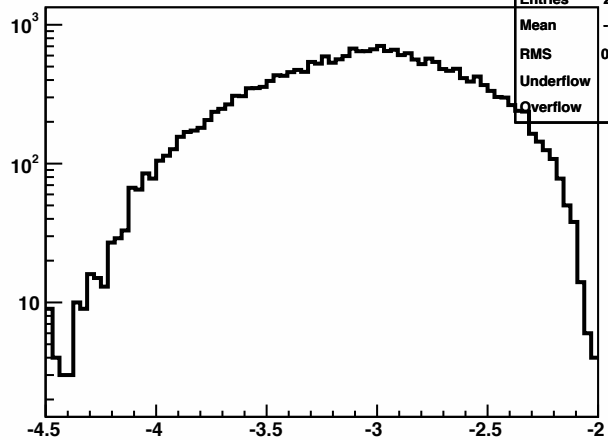
StE primtrk: psi, ftpc east



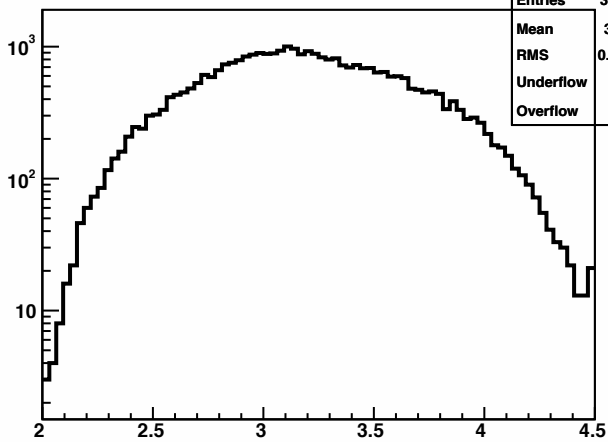
StE primtrk: psi, ftpc west



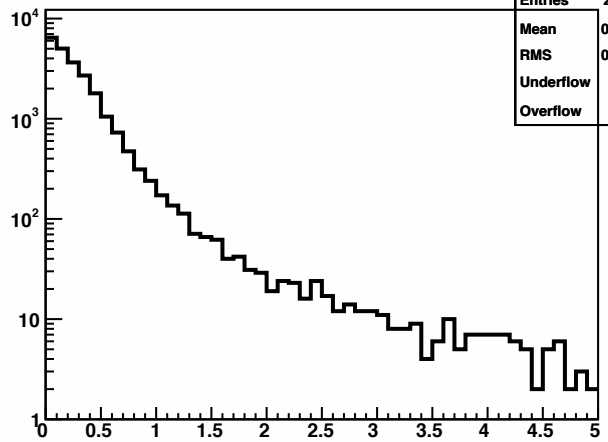
StE primtrk: eta, ftpc east



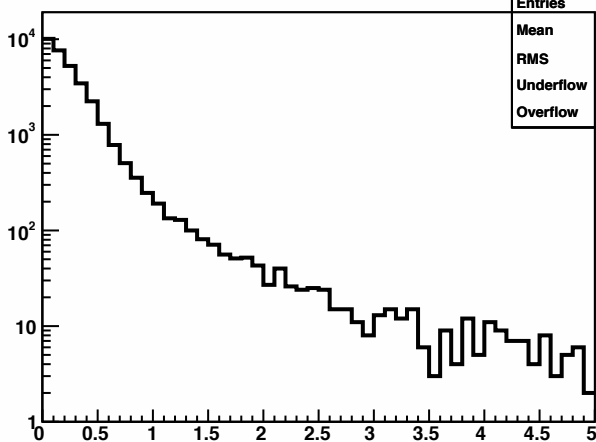
StE primtrk: eta, ftpc west



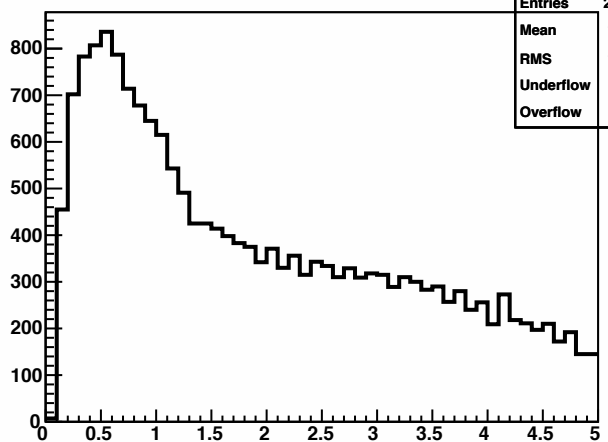
StE primtrk: pT, ftpc east



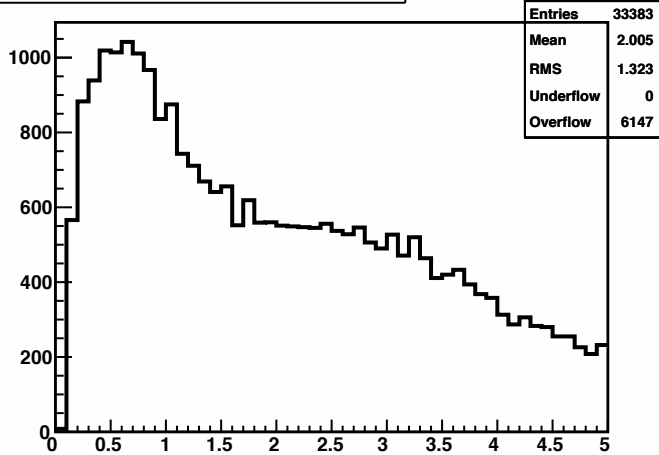
StE primtrk: pT, ftpc west



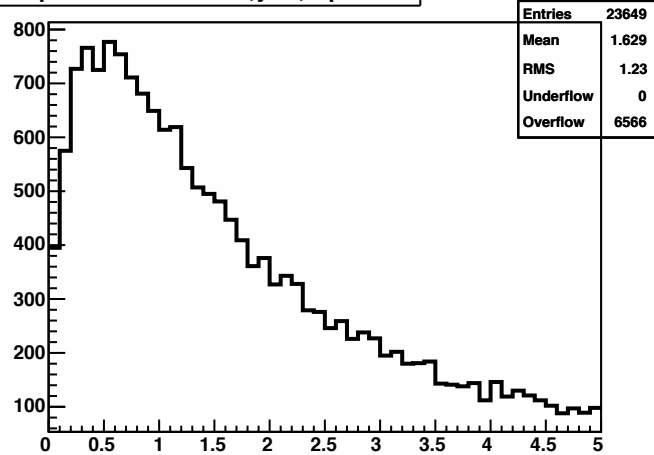
StE primtrk: momentum, ftpc east



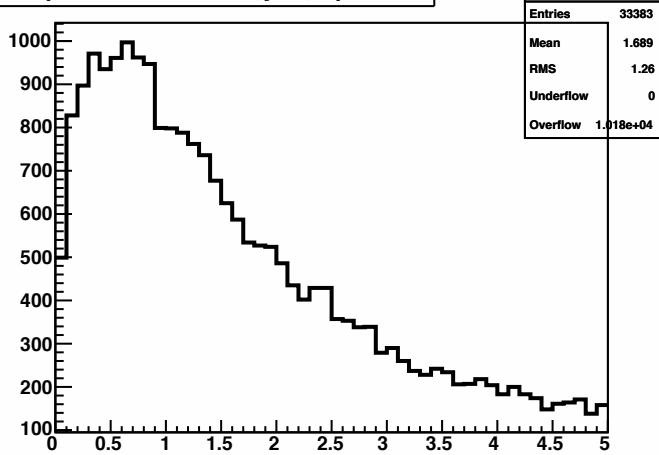
StE primtrk: momentum, ftpc west



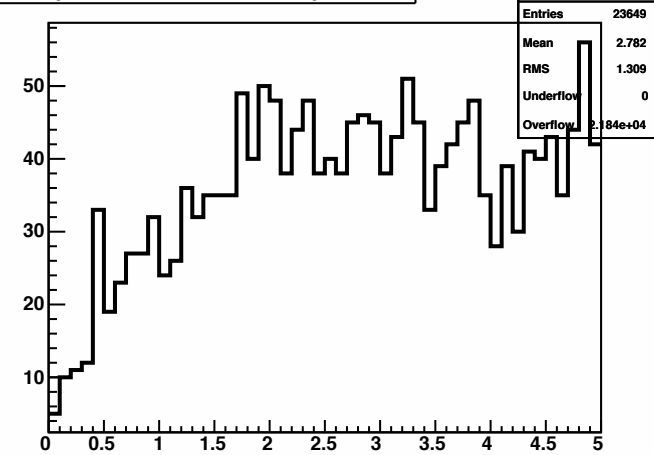
StE primtrk: chi2/ndf x,y fit, ftpc east



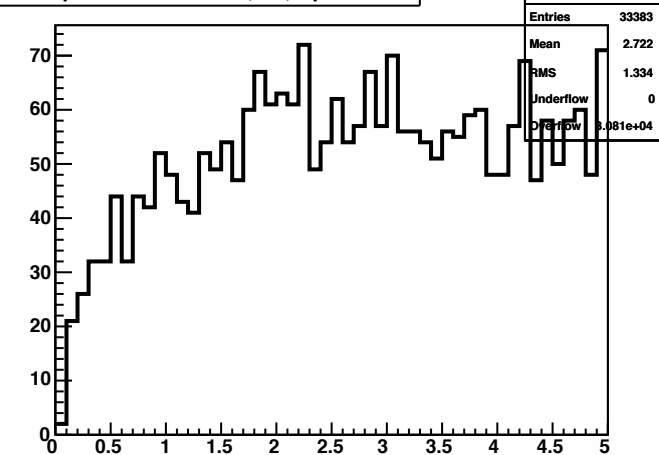
StE primtrk: chi2/ndf x,y fit, ftpc west



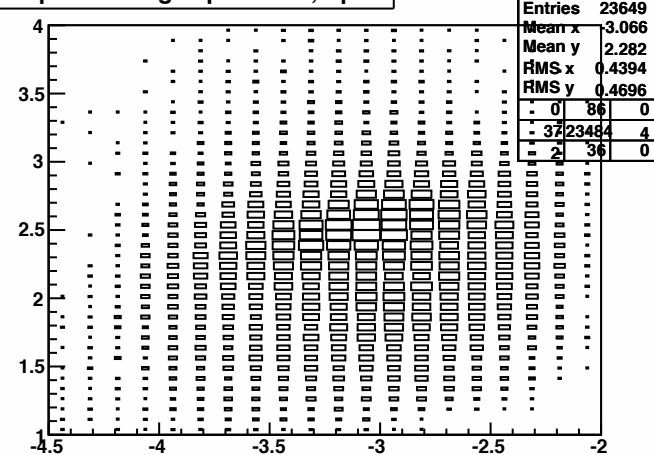
StE primtrk: chi2/ndf r,z fit, ftpc east



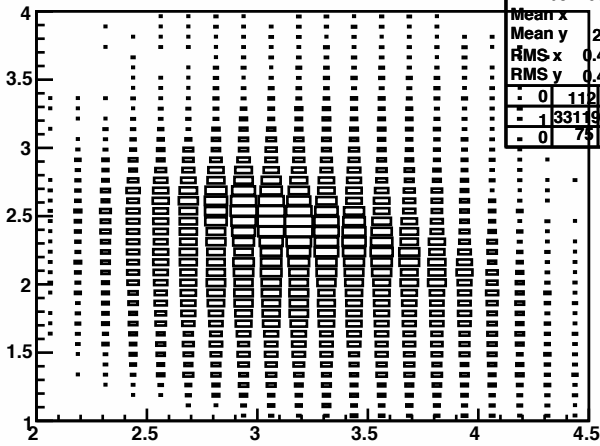
StE primtrk: chi2/ndf r,z fit, ftpc west



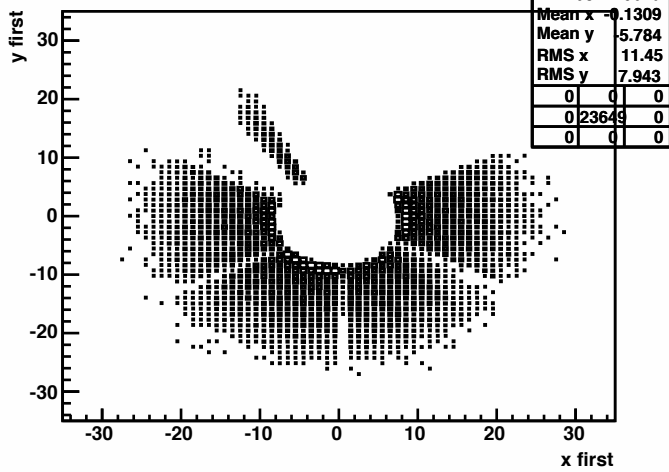
StE primtrk: log10 pT vs eta, ftpcE



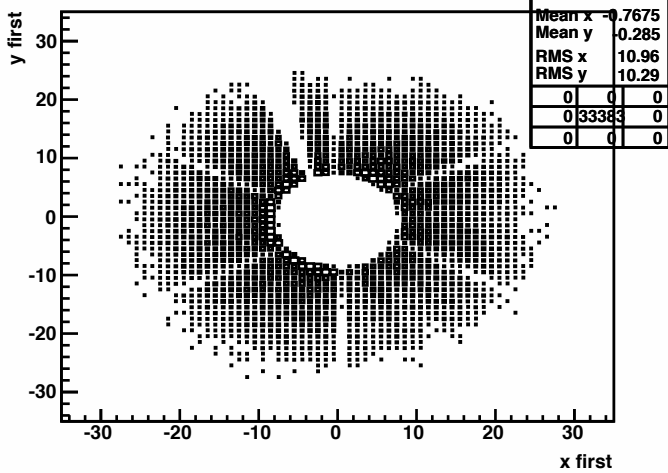
StEQaPTrk: log10 pT vs eta, ftpcW



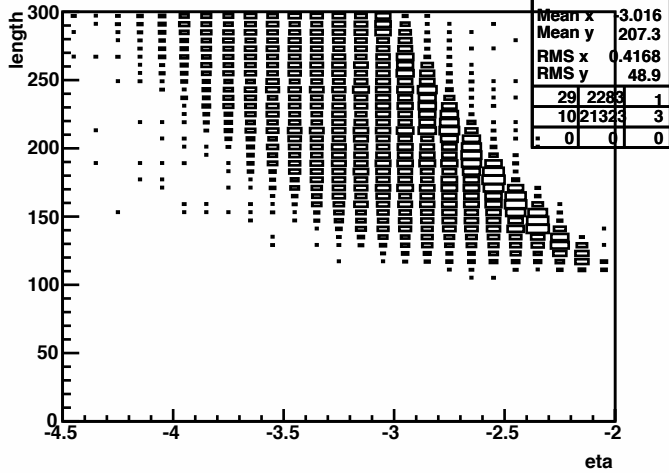
StEQaPTrk: Y vs X of first hit on trk, ftpcE



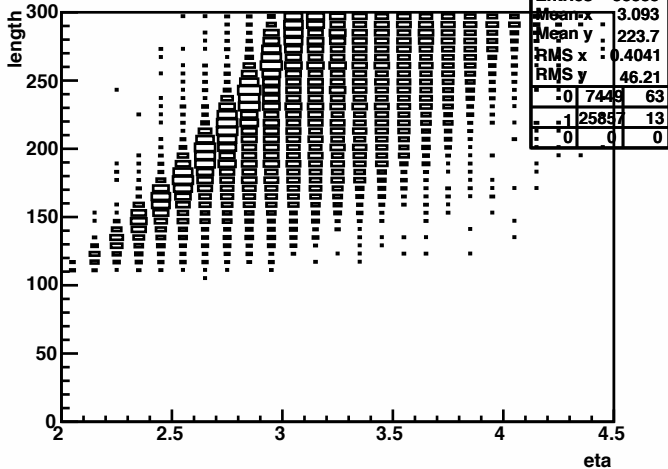
StEQaPTrk: Y vs X of first hit on trk, ftpcW



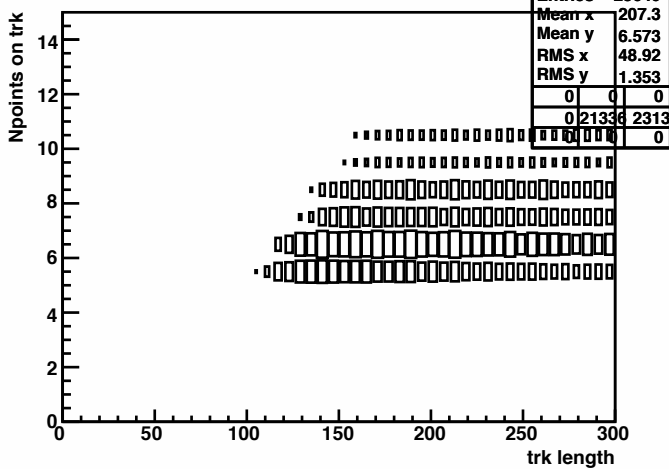
StEQaPTrk: trk length vs eta, ftpcE



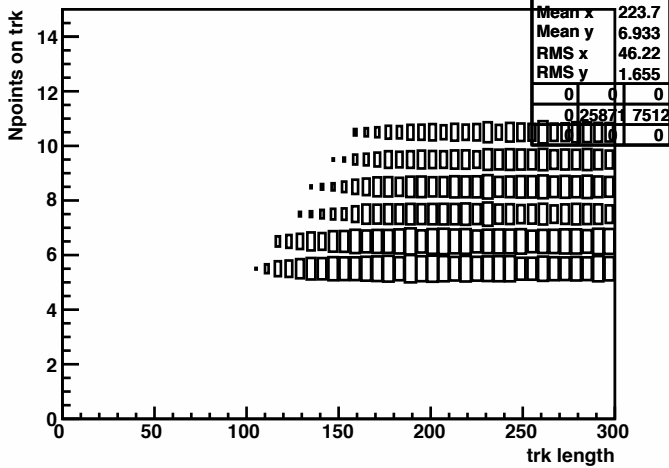
StEQaPTrk: trk length vs eta, ftpcW



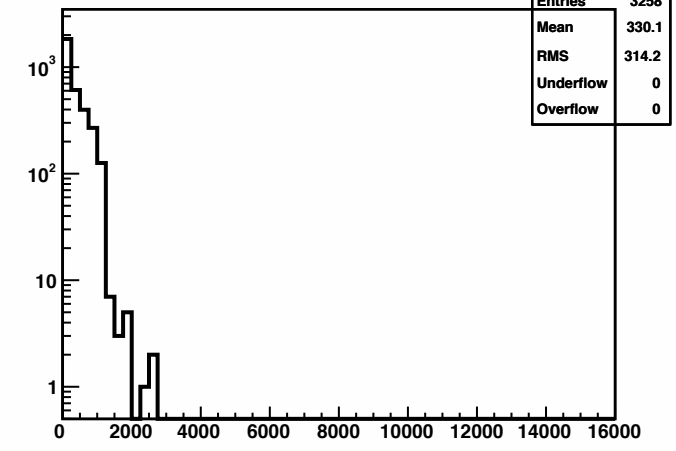
StEQaPTrk: N pnts vs length, ftpcE



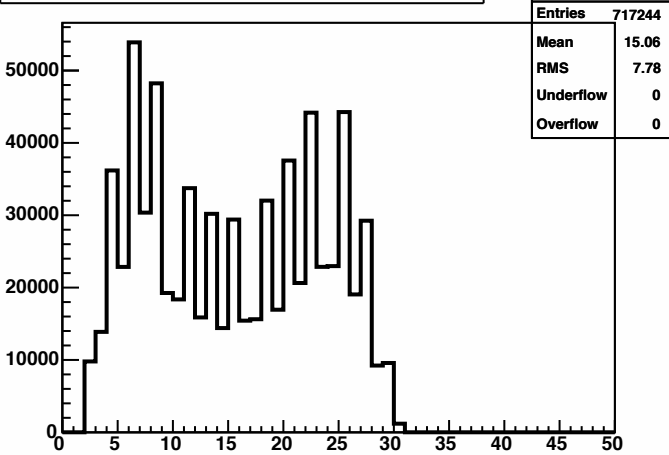
StE primtrk: N pnts vs length, ftpcW



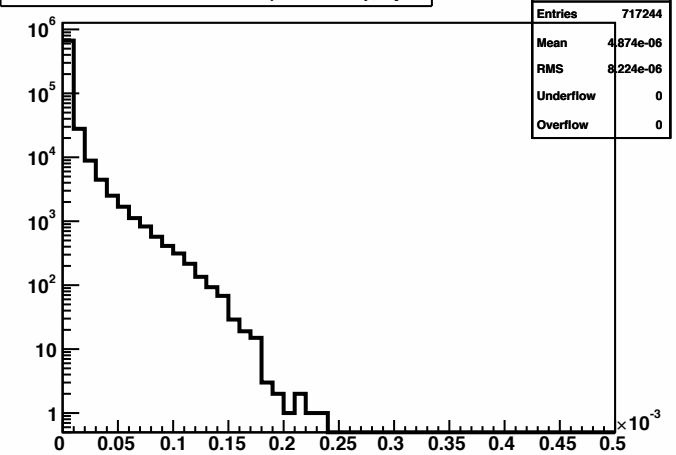
StE dedx: number of tracks



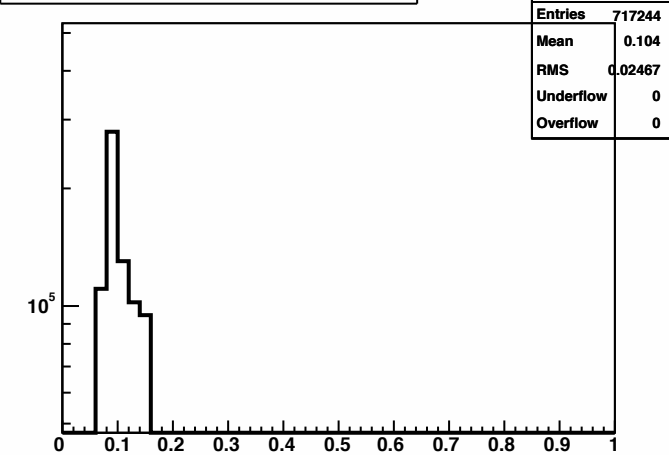
StE dedx: number of point to define dE/dx, tpc



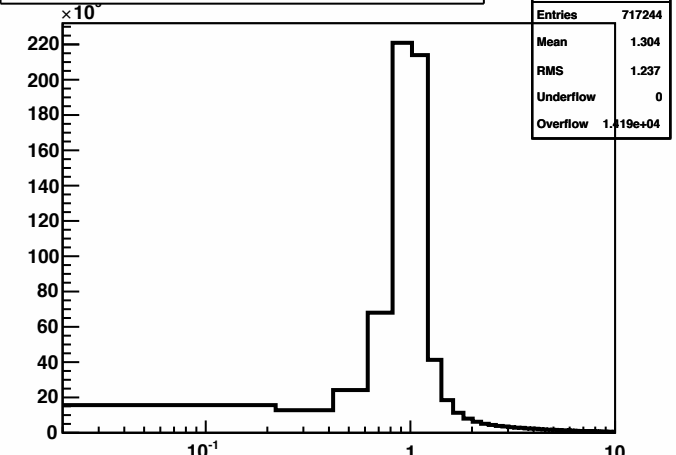
StE dedx: dE/dx mean (GeV/cm), tpc



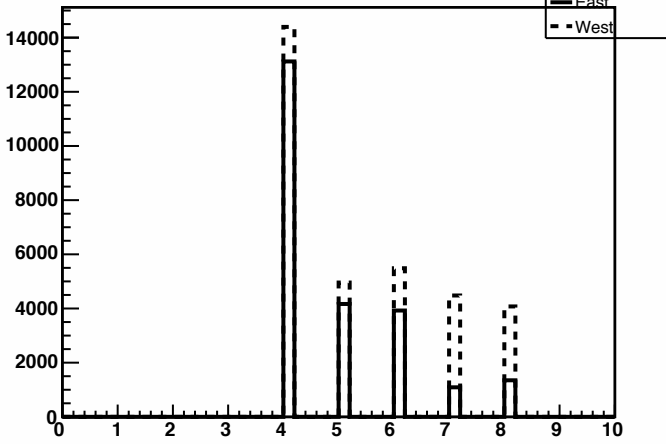
StE dedx: dE/dx error on mean, tpc



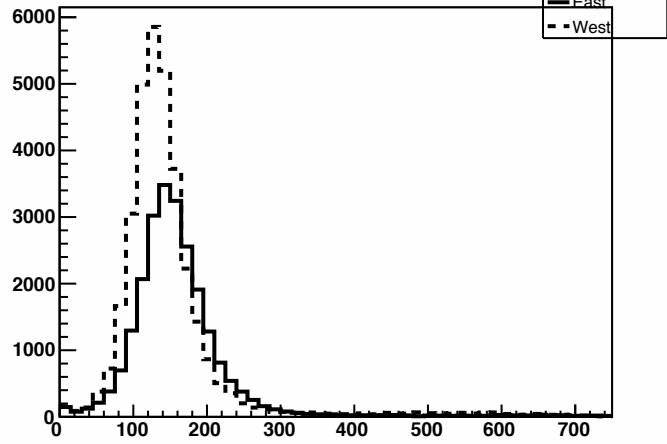
StE dedx: ratio <dE/dx> mean to Bethe Bloch <dE/dx>, tpc,tpc+svt



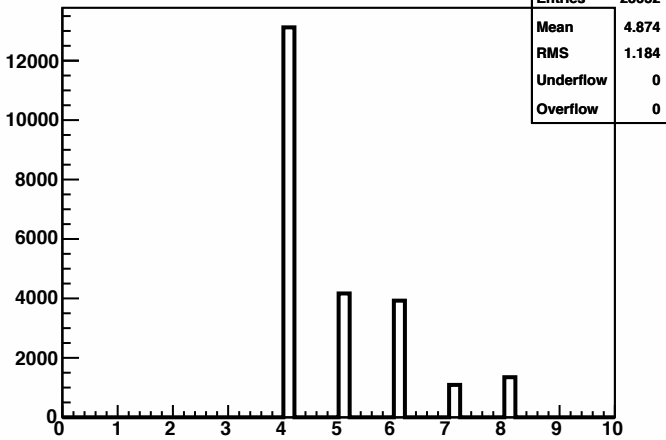
StE dedx: number of point to define dE/dx, ftpc



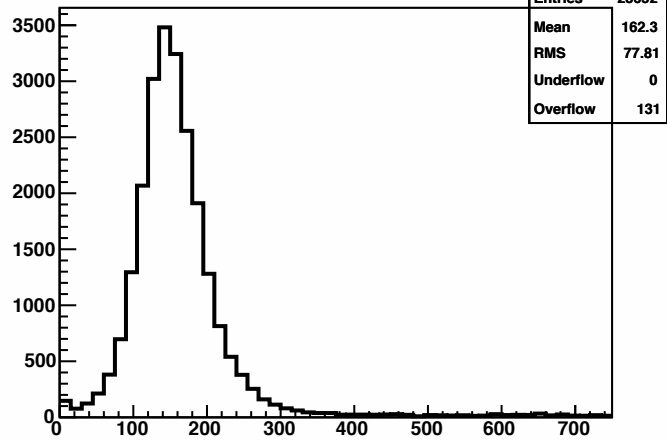
StE dedx: dE/dx mean, ftpc



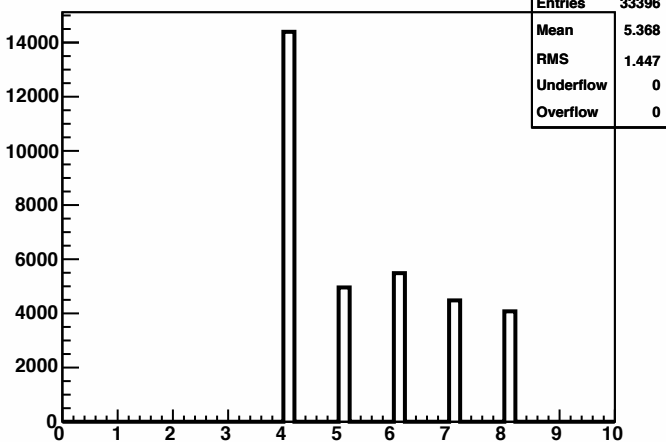
StE dedx: number of point to define dE/dx, ftpcE



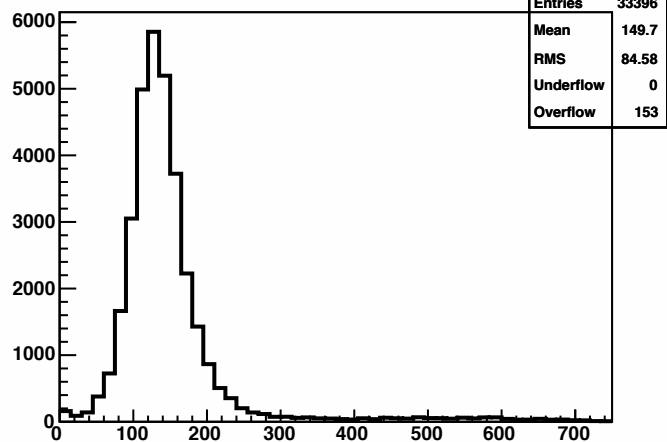
StE dedx: dE/dx mean, ftpcE



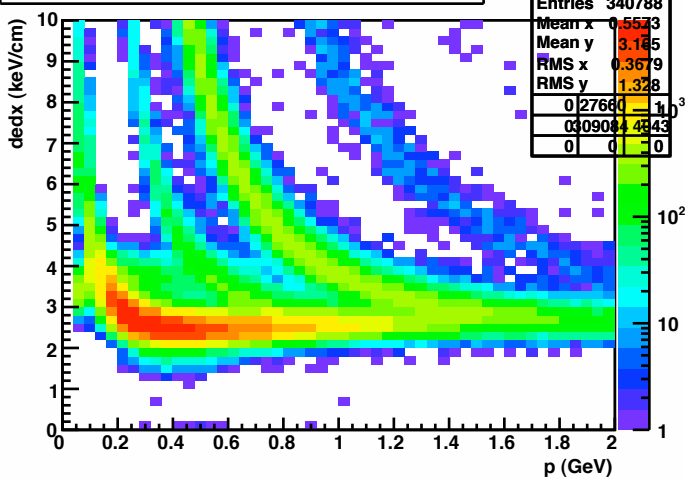
StE dedx: number of point to define dE/dx, ftpcW



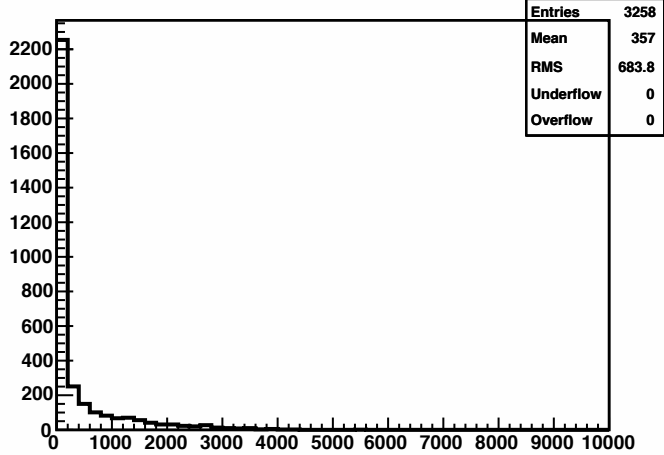
StE dedx: dE/dx mean, ftpcW



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



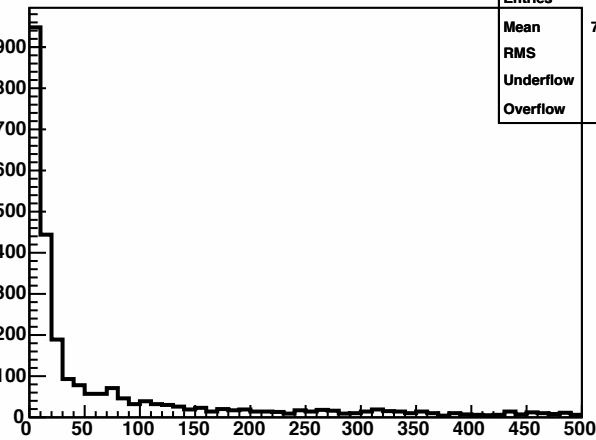
StE vertex: num vertices



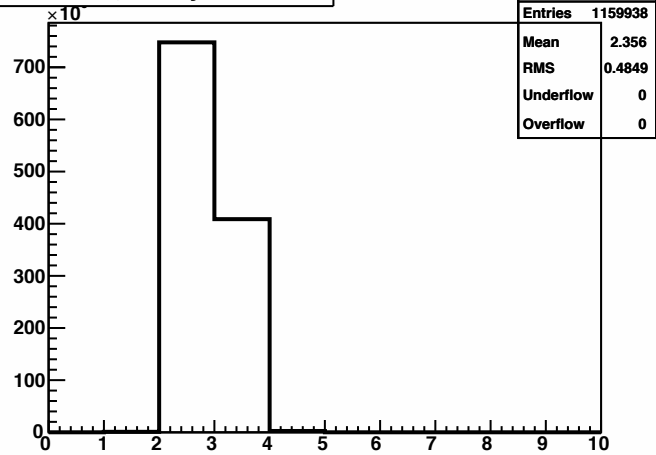
StE vertex: num vertices

StEQaVtxNumsm

Entries	3258
Mean	71.82
RMS	113
Underflow	0
Overflow	668



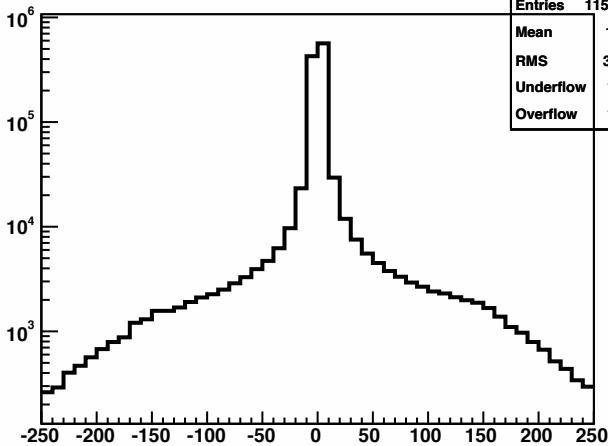
StE vertex,2ndary: Vertex ID



StE vertex,2ndary: x

StEQaVtxX

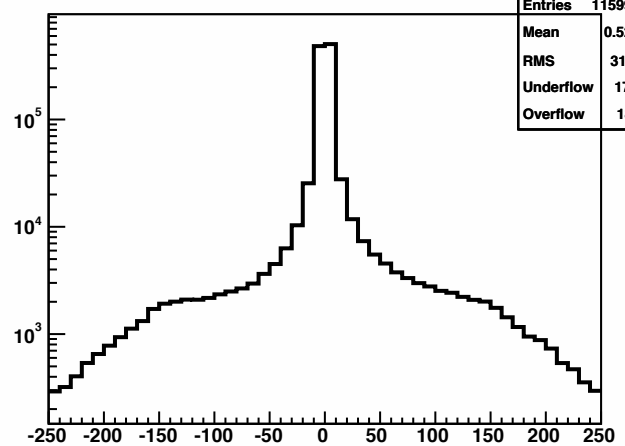
Entries	1159938
Mean	1.161
RMS	30.44
Underflow	1570
Overflow	1794



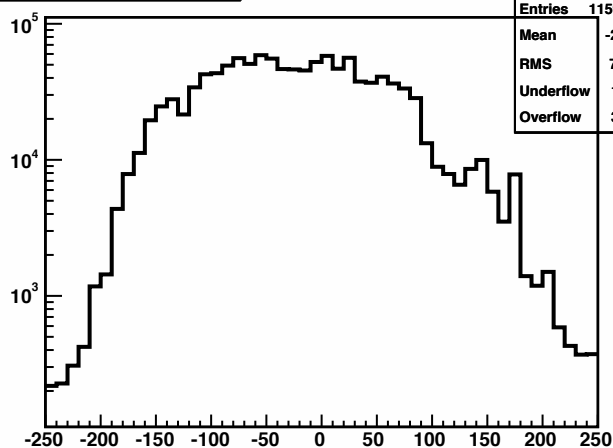
StE vertex,2ndary: y

StEQaVtxY

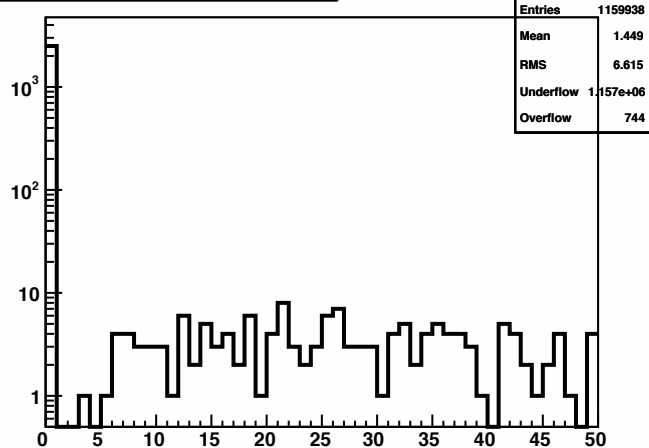
Entries	1159938
Mean	0.5291
RMS	31.66
Underflow	1743
Overflow	1831



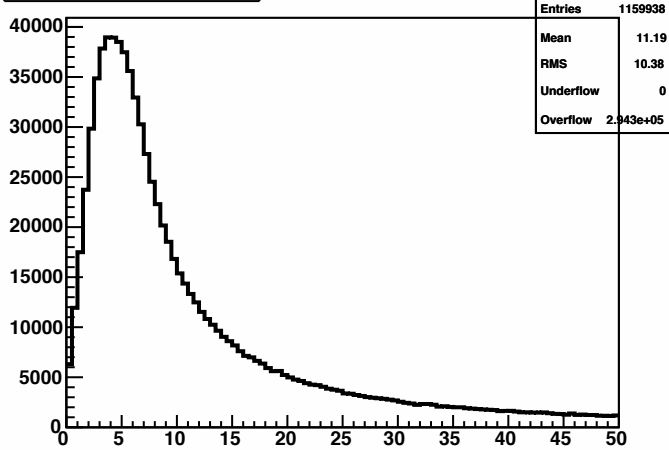
StE vertex,2ndary: z



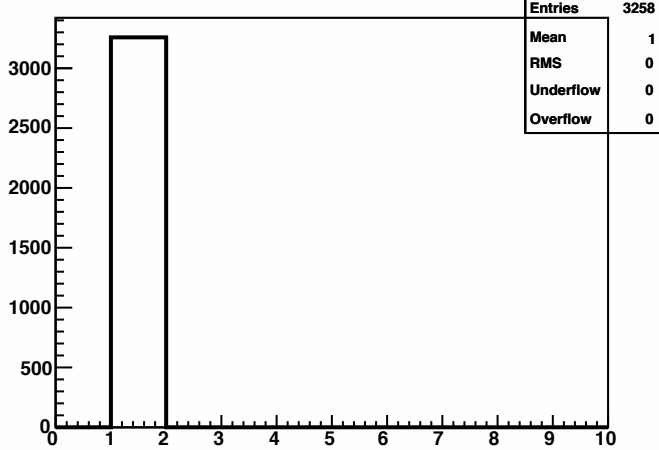
StE vertex,2ndary: chisq/dof



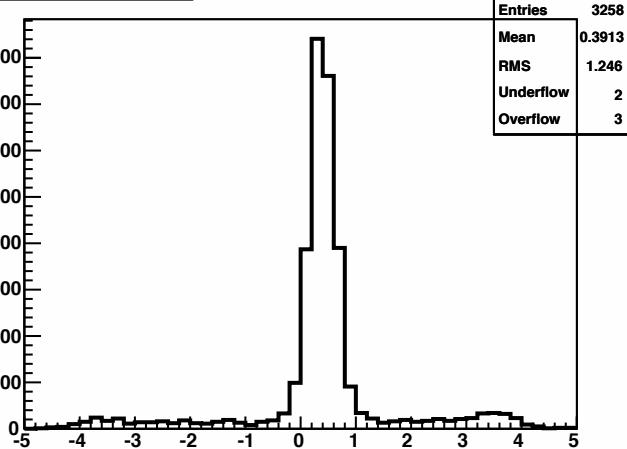
StE vertex,2ndary: r



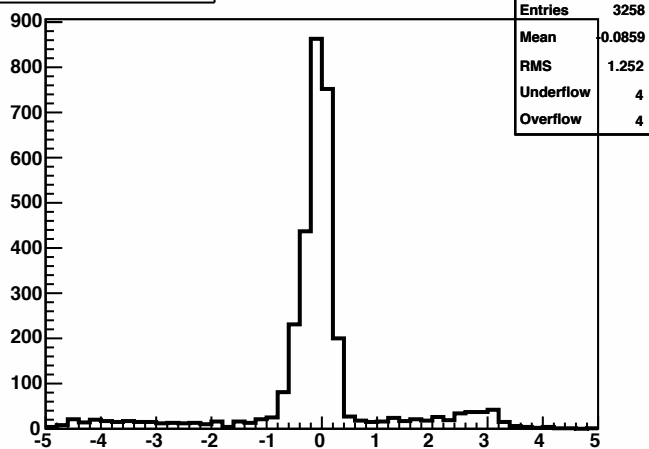
StE vertex,prim: Vertex ID



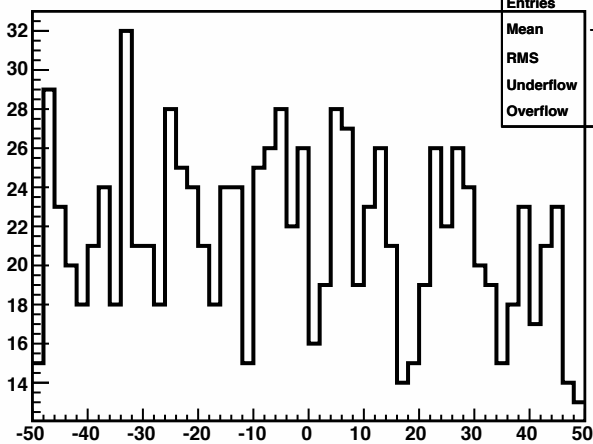
StE vertex,prim: x



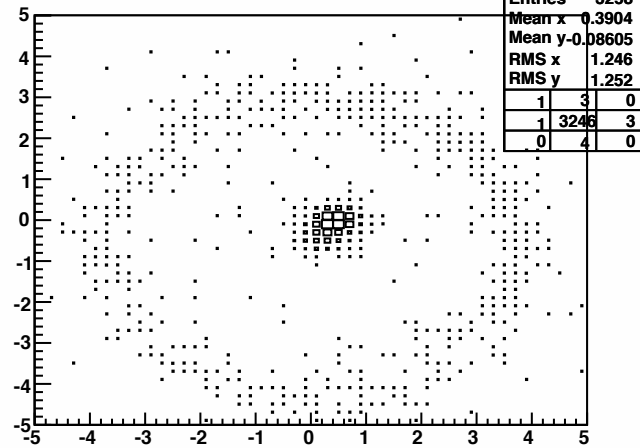
StE vertex,prim: y



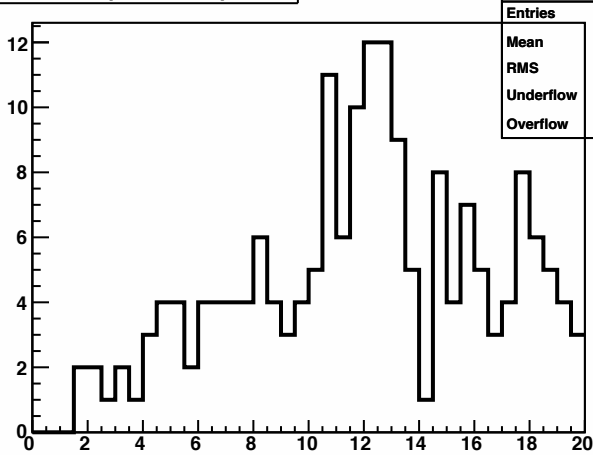
StE vertex,prim: z



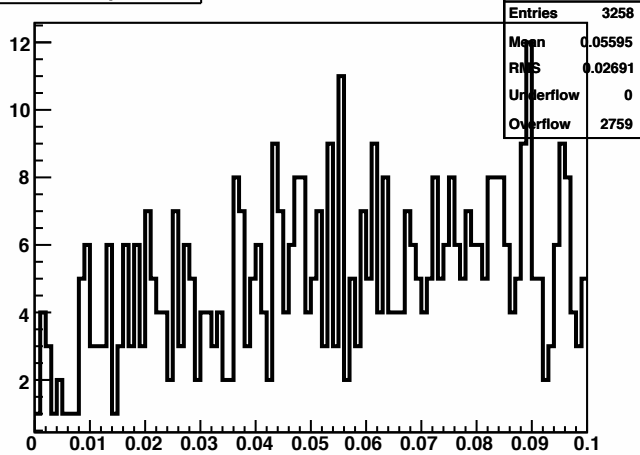
StE vertex,prim: x versus y



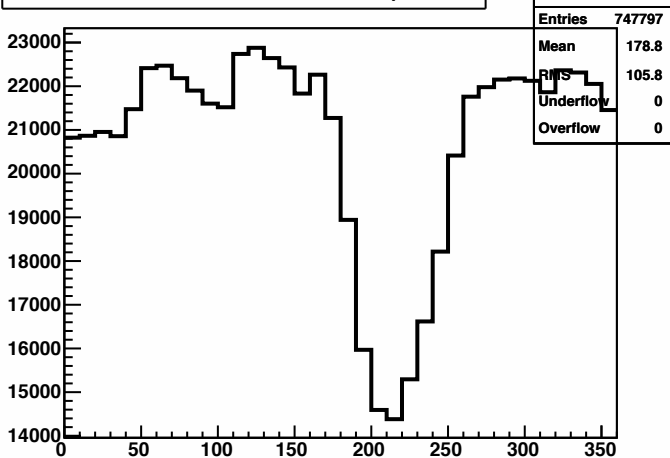
StE vertex,prim: chisq/dof



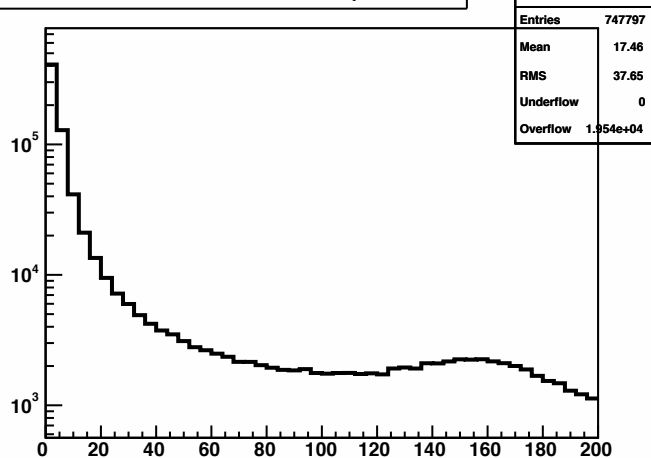
StE vertex,prim: r



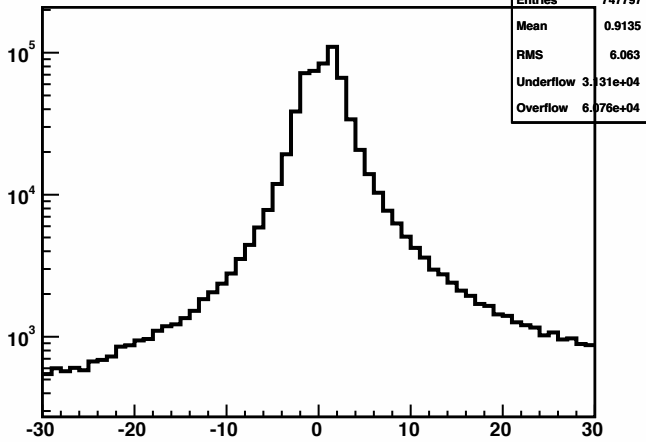
StE V0 azimuthal distribution relative to primvtx



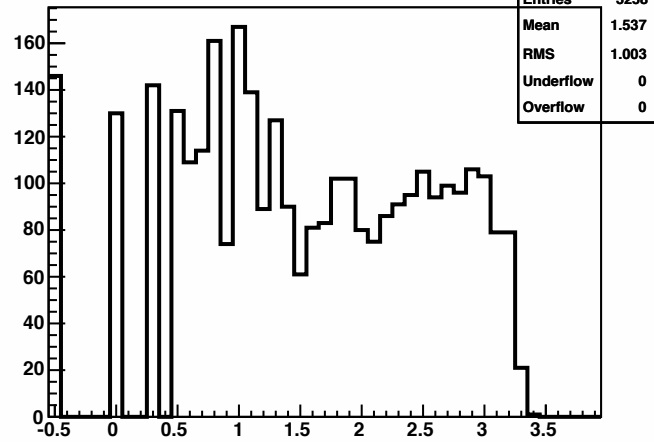
StE V0 radial distribution relative to primvtx



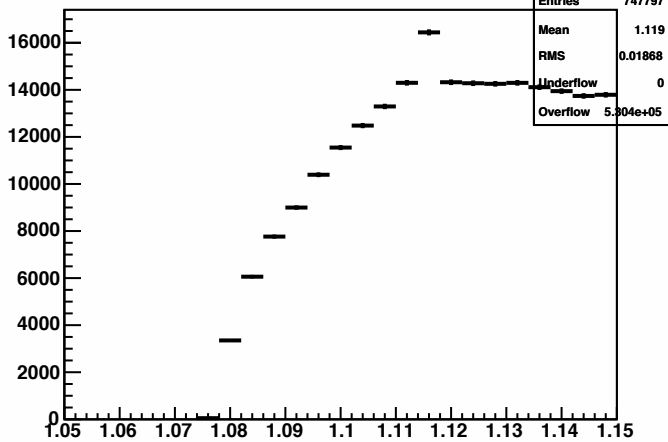
StE V0 Z distribution relative to primvtx



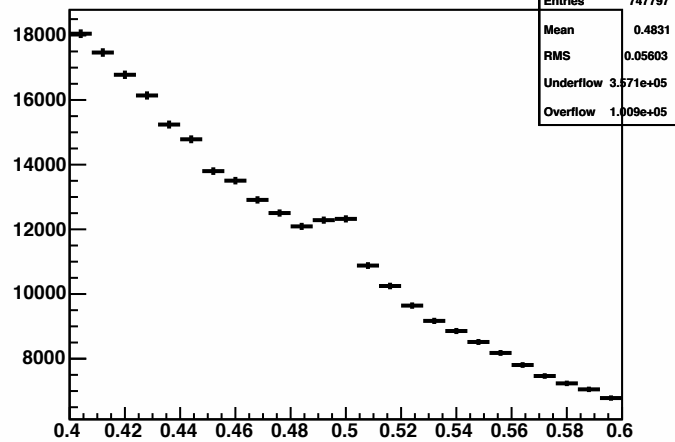
StE log10 total V0s (0 => -0.5)



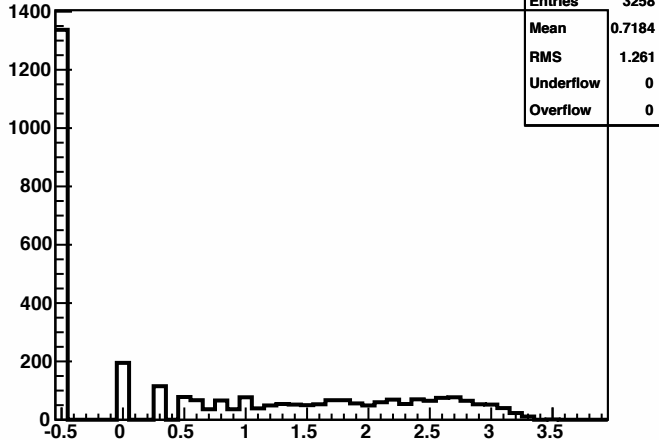
StE V0: Lambda mass



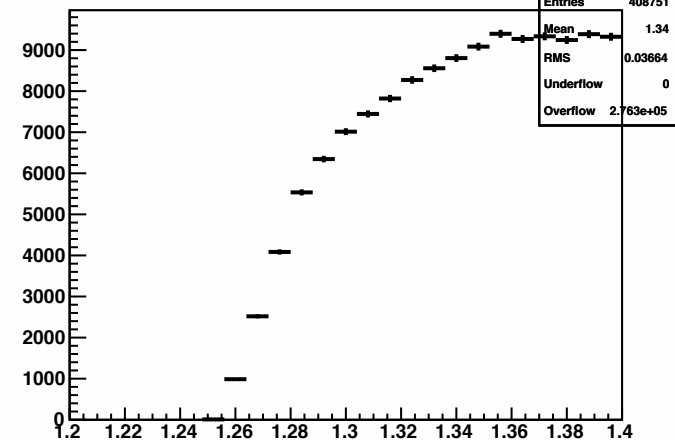
StE V0: k0 mass



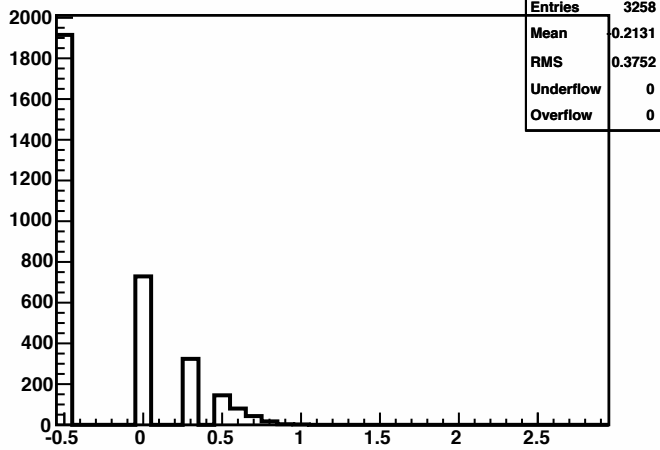
StE log10 total Xis (0 => -0.5)



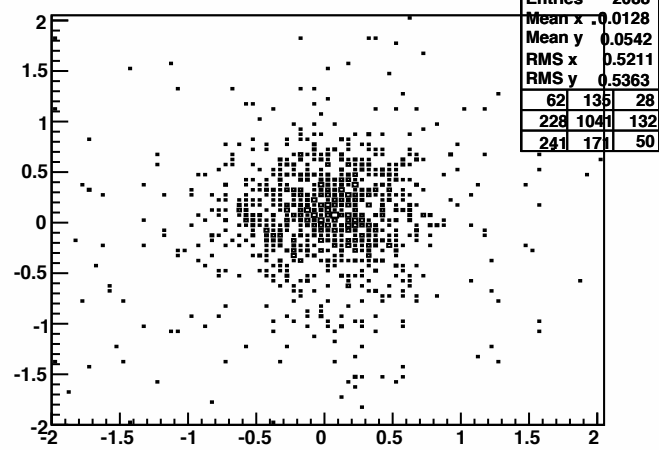
StE Xi: Xi mass



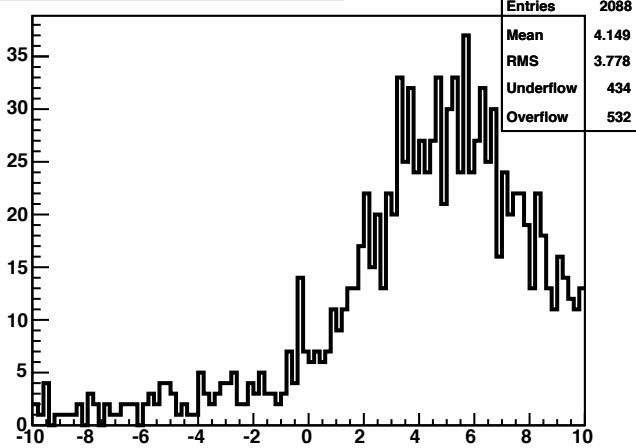
StE log10 total kinks (0 => -0.5)



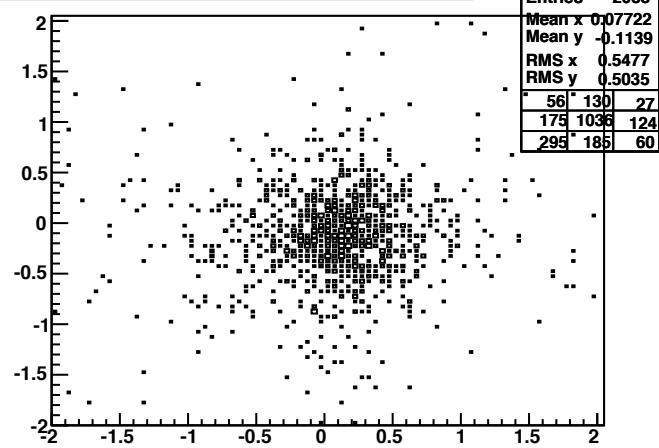
StE vertex,prim: x(ftpcE)-x(tpc) vs y(ftpcE)-y(tpc)



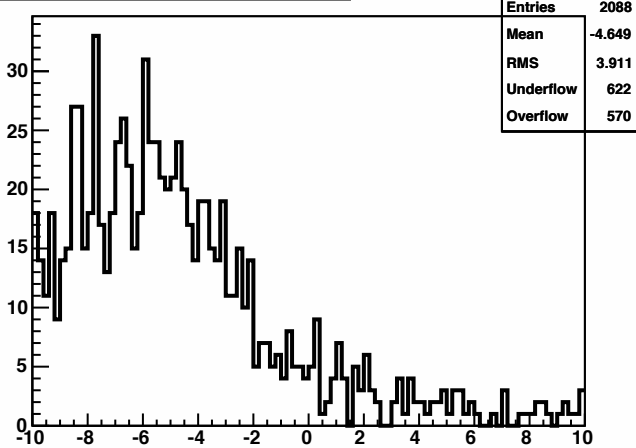
StE vertex,prim: z(ftpcE)-z(tpc)



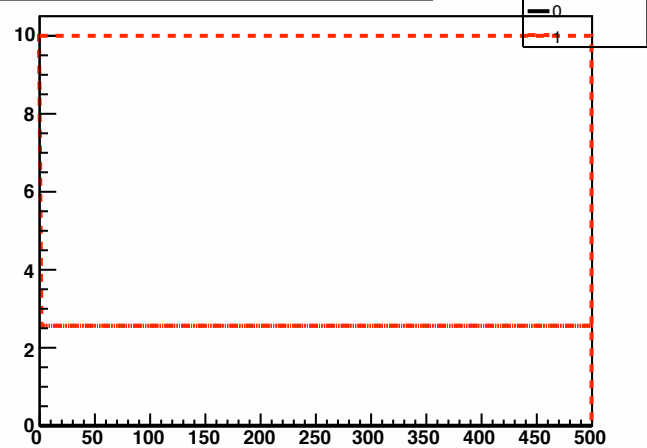
StE vertex,prim: x(ftpcW)-x(tpc) vs y(ftpcW)-y(tpc)



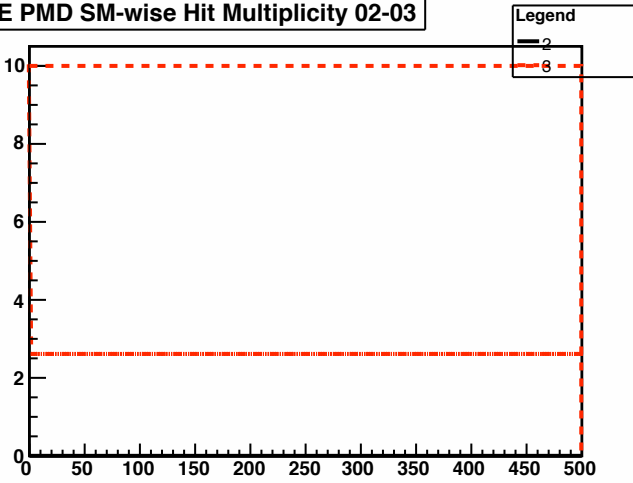
StE vertex,prim: z(ftpcW)-z(tpc)



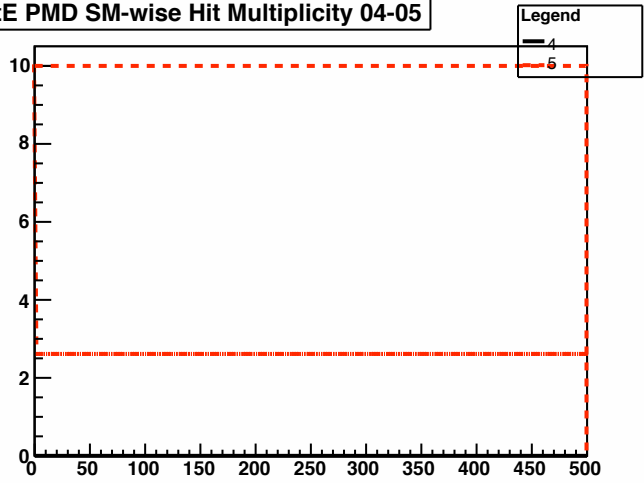
StE PMD SM-wise Hit Multiplicity 00-01



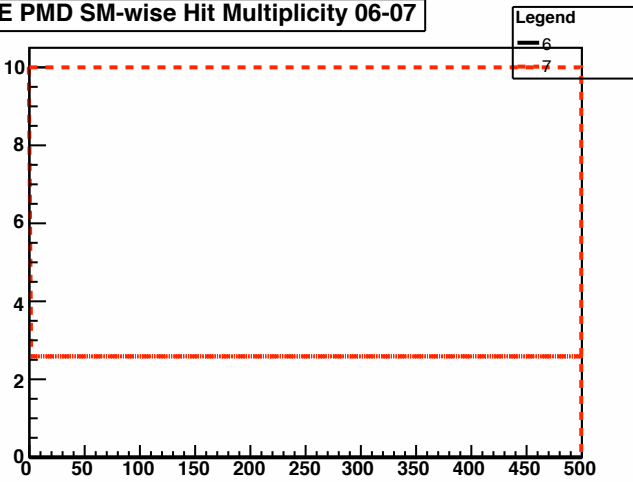
StE PMD SM-wise Hit Multiplicity 02-03



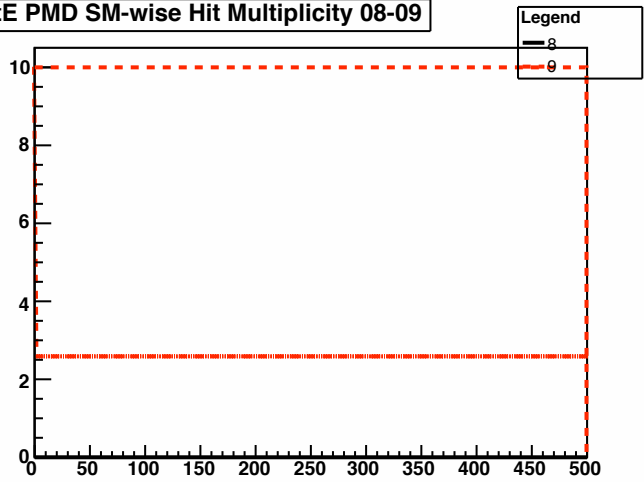
StE PMD SM-wise Hit Multiplicity 04-05



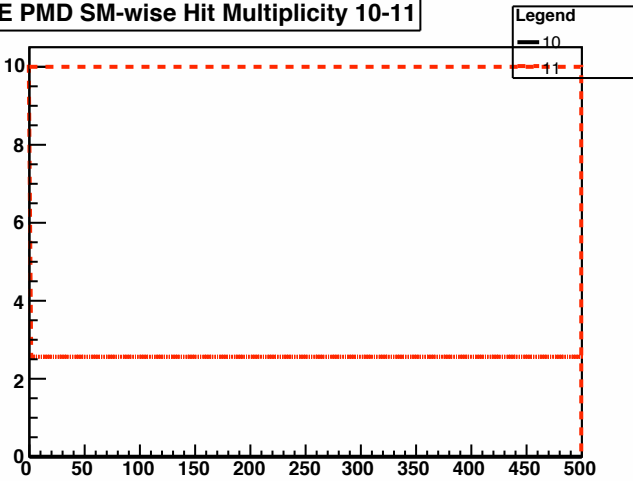
StE PMD SM-wise Hit Multiplicity 06-07



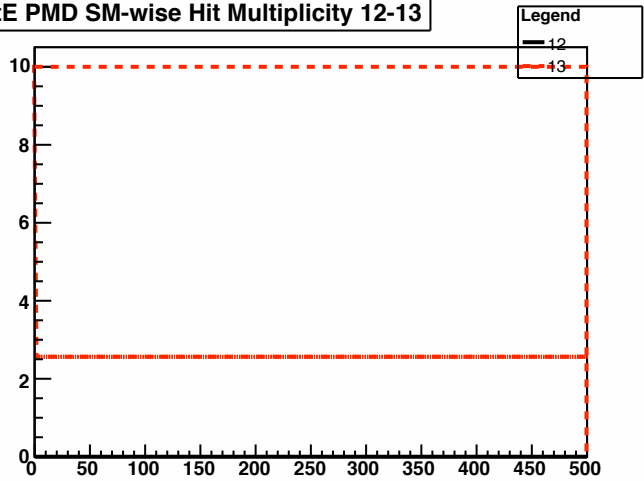
StE PMD SM-wise Hit Multiplicity 08-09

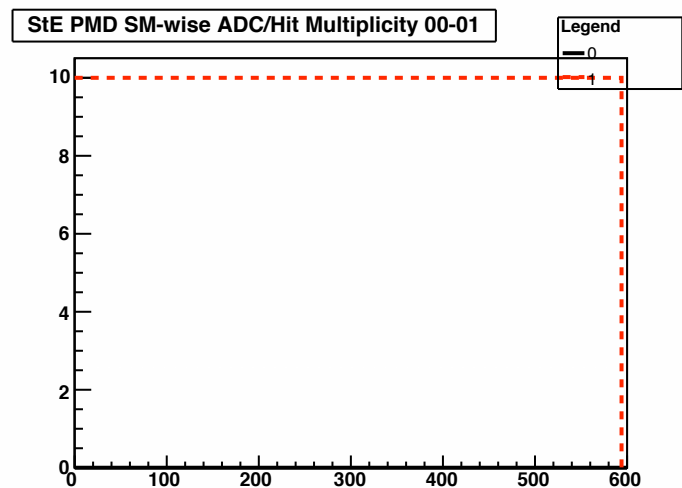
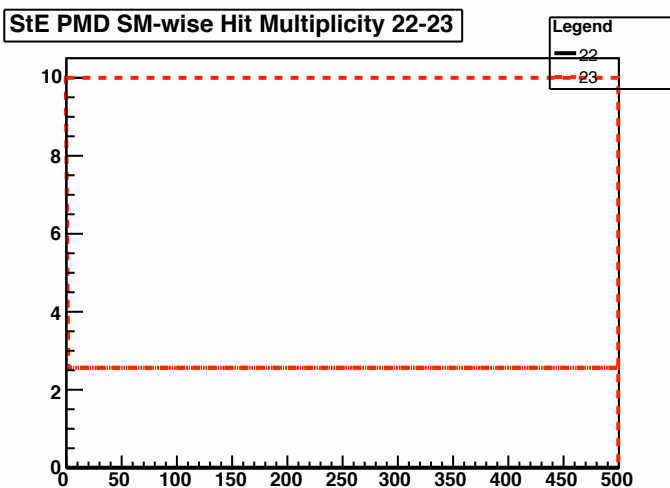
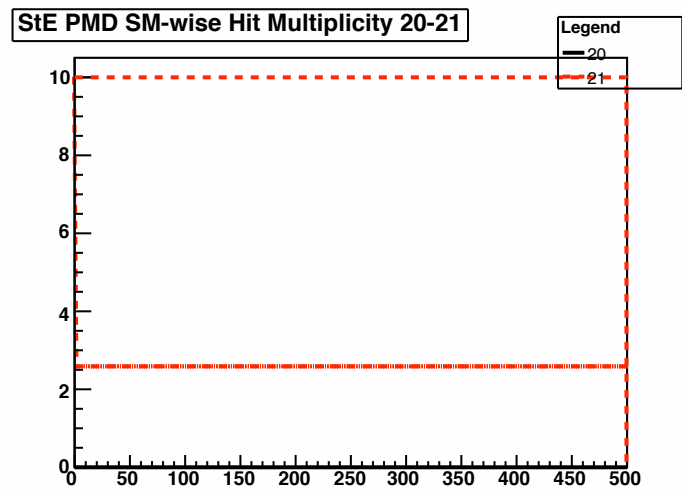
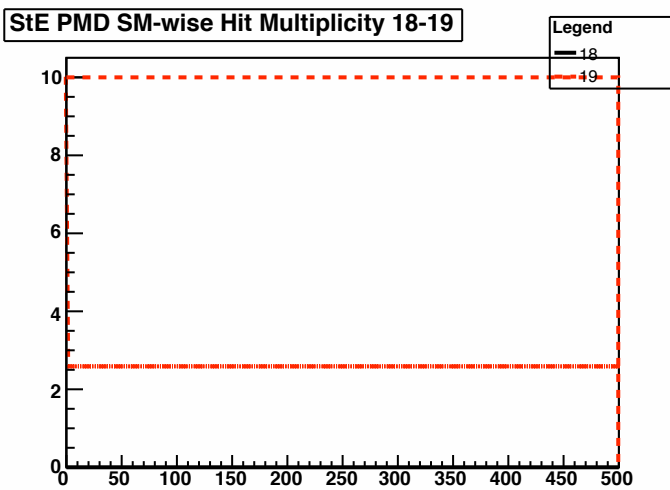
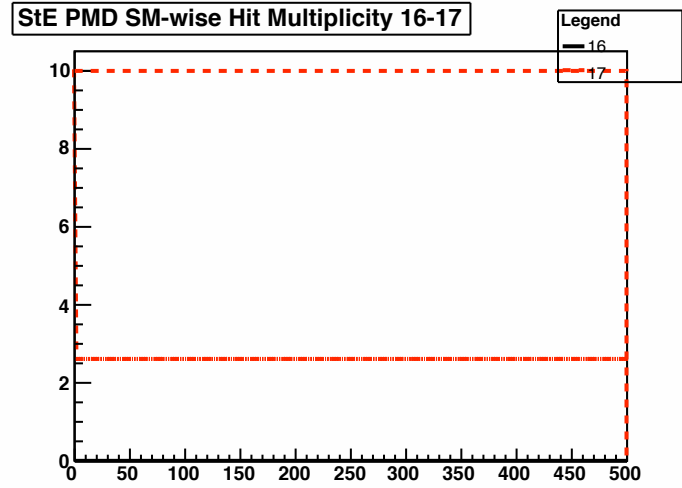
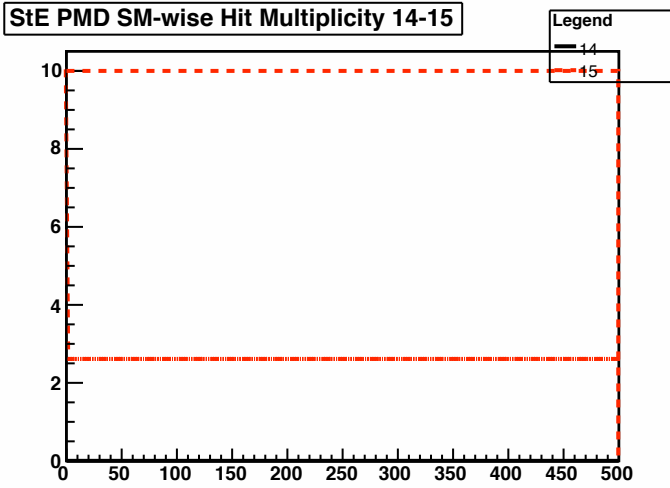


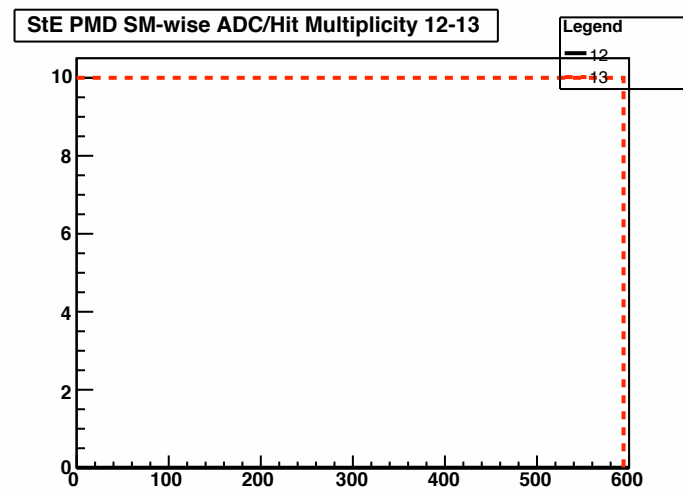
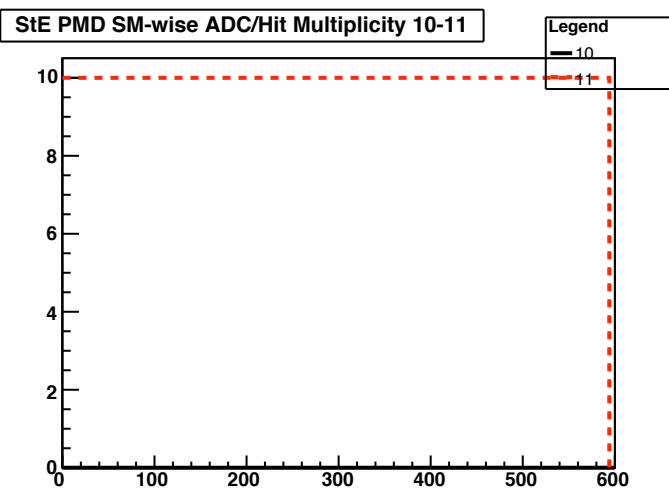
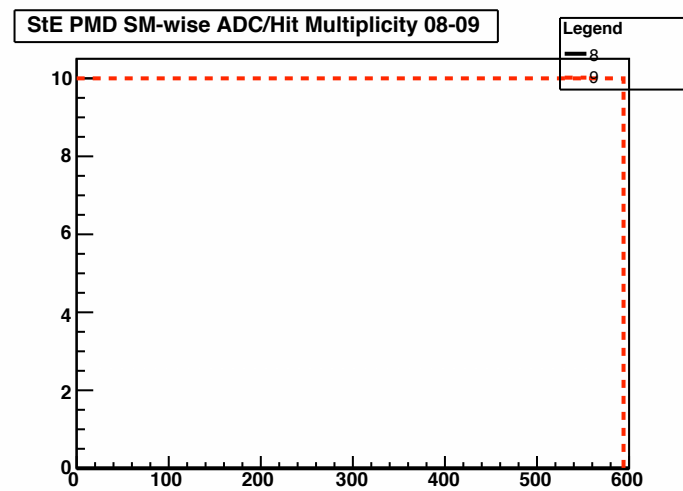
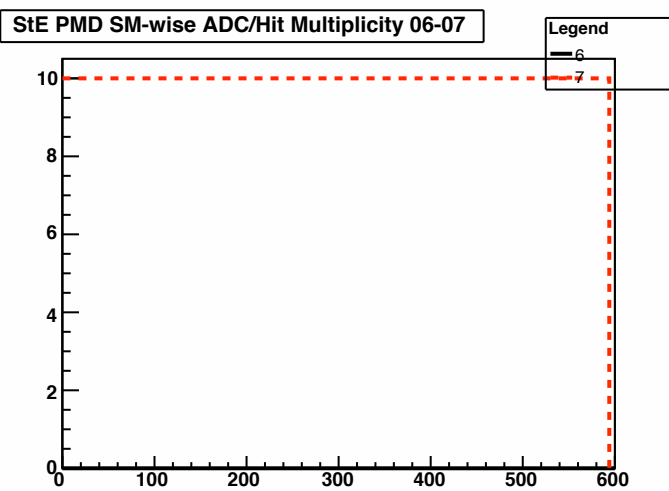
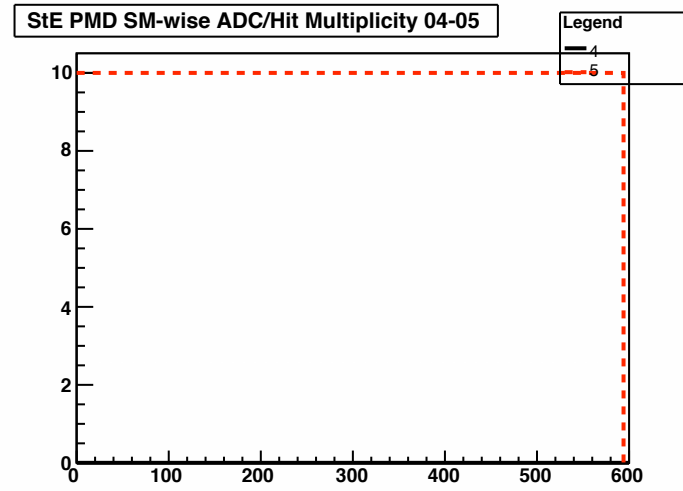
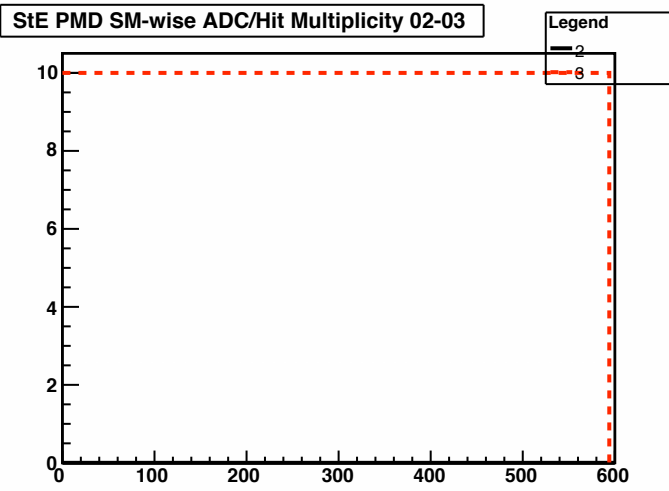
StE PMD SM-wise Hit Multiplicity 10-11



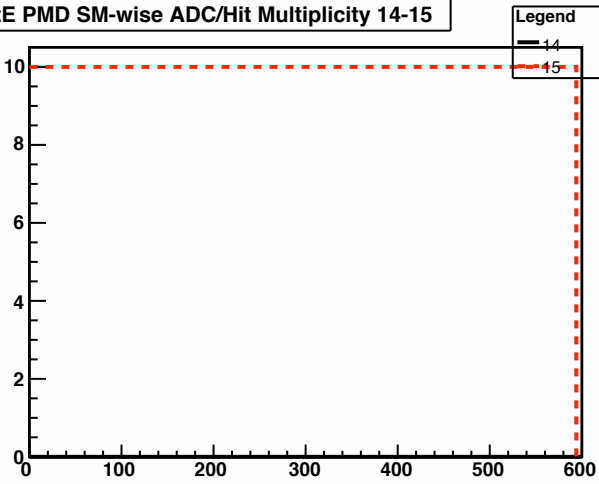
StE PMD SM-wise Hit Multiplicity 12-13



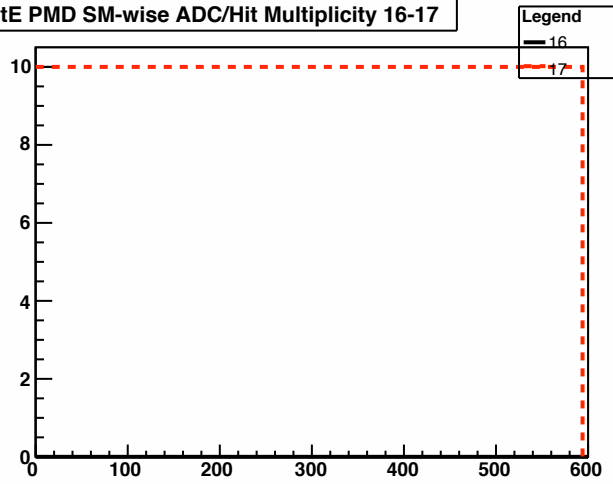




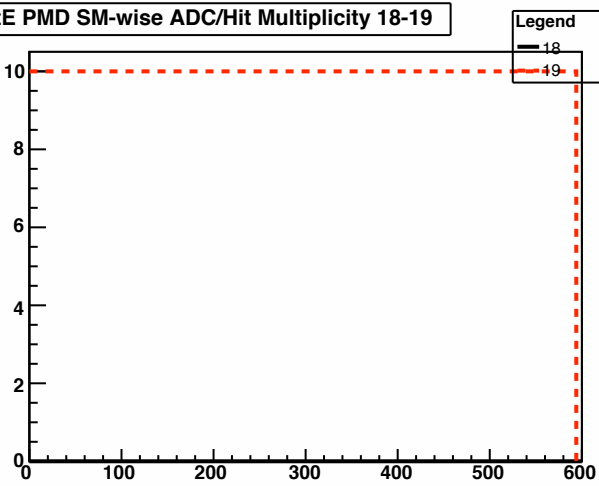
StE PMD SM-wise ADC/Hit Multiplicity 14-15



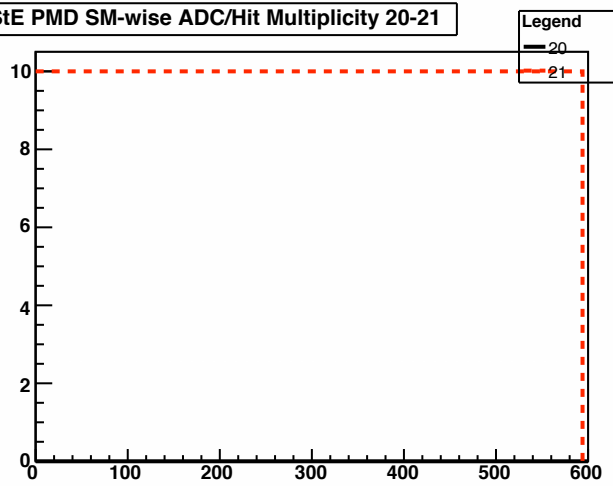
StE PMD SM-wise ADC/Hit Multiplicity 16-17



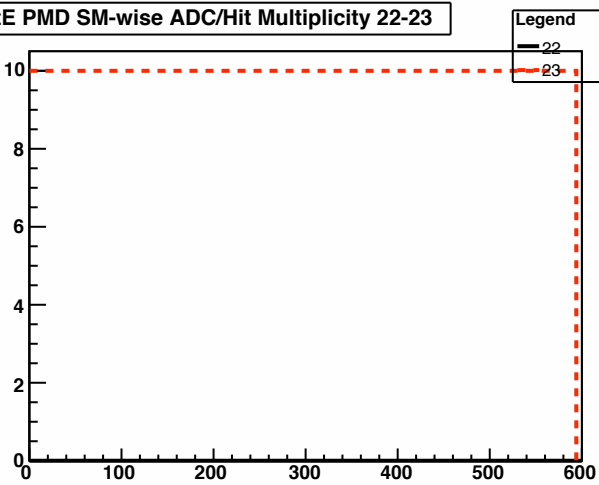
StE PMD SM-wise ADC/Hit Multiplicity 18-19



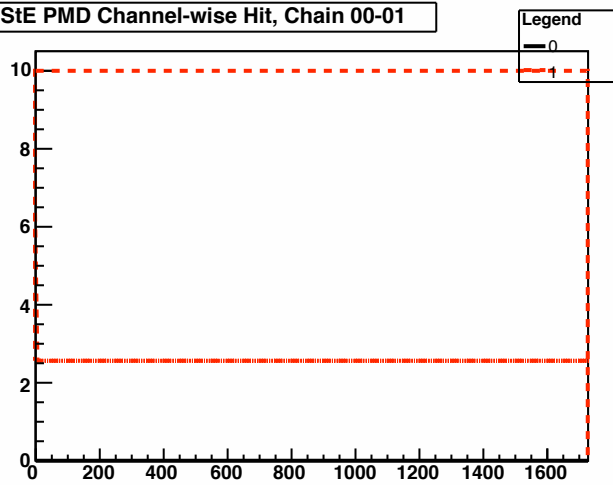
StE PMD SM-wise ADC/Hit Multiplicity 20-21

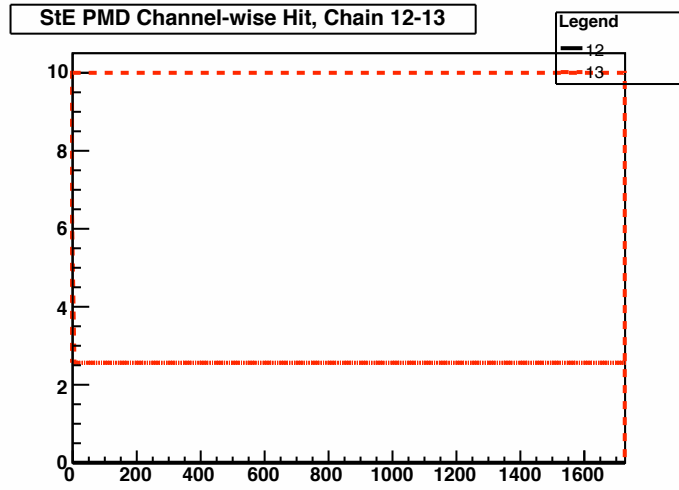
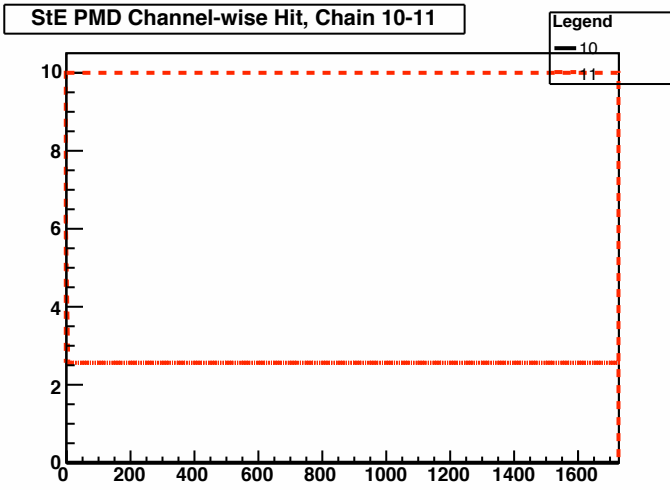
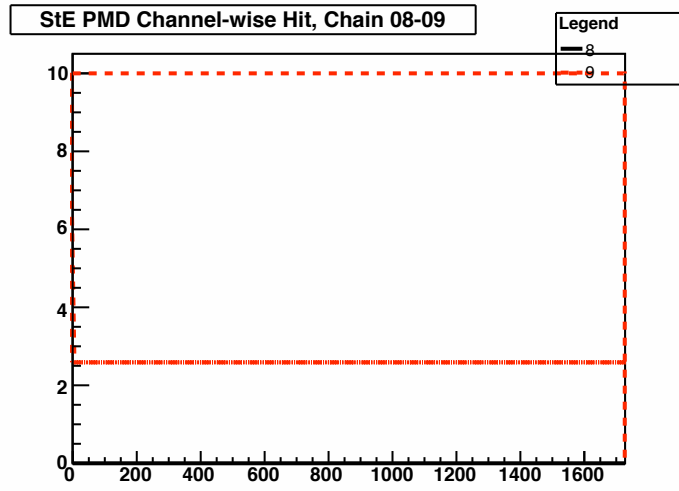
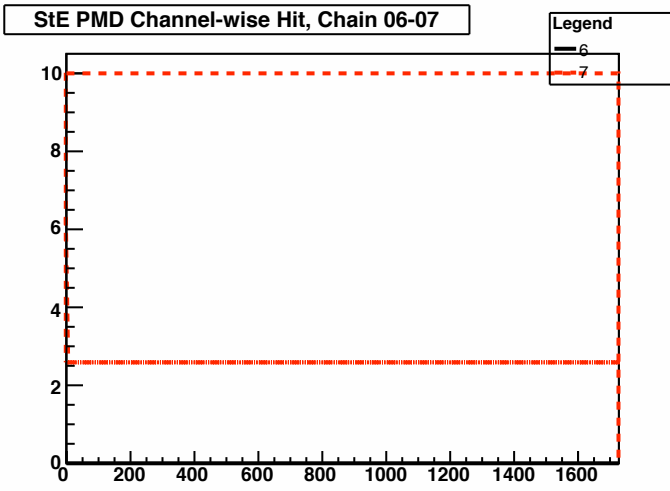
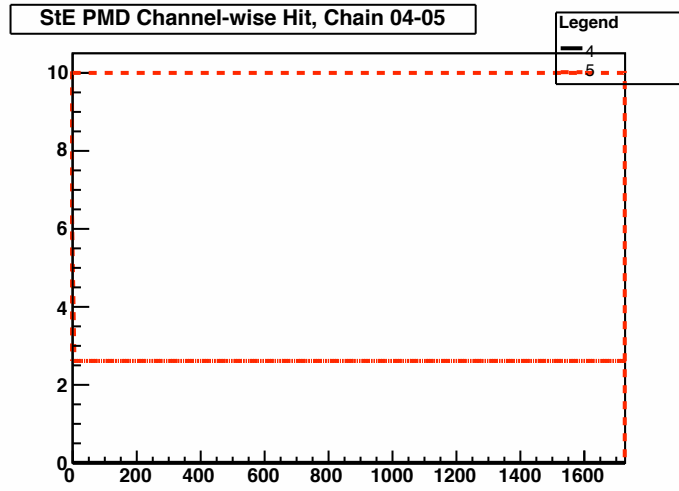
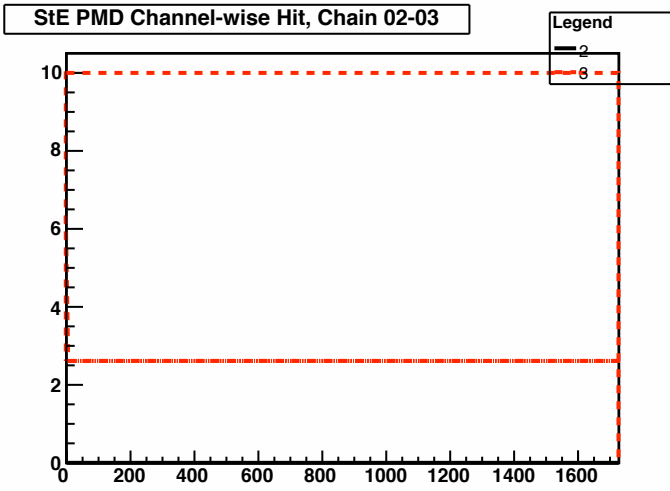


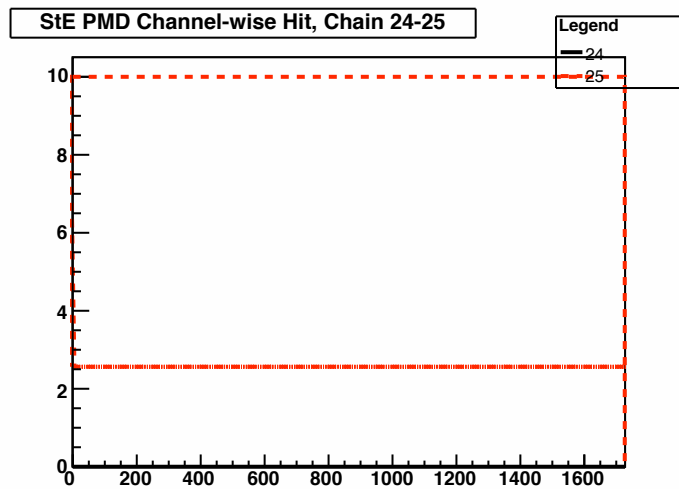
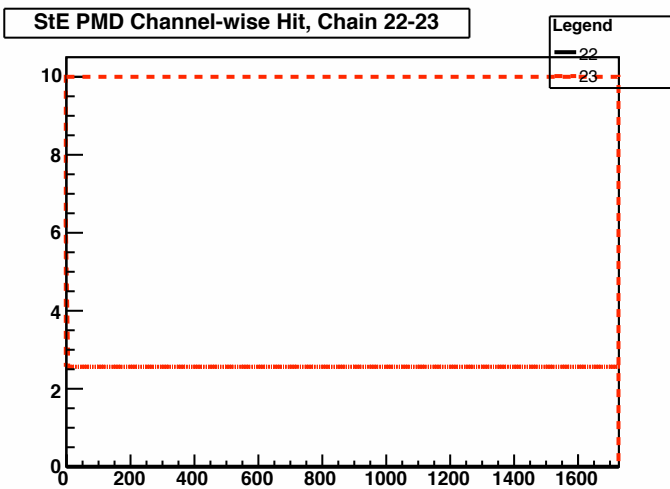
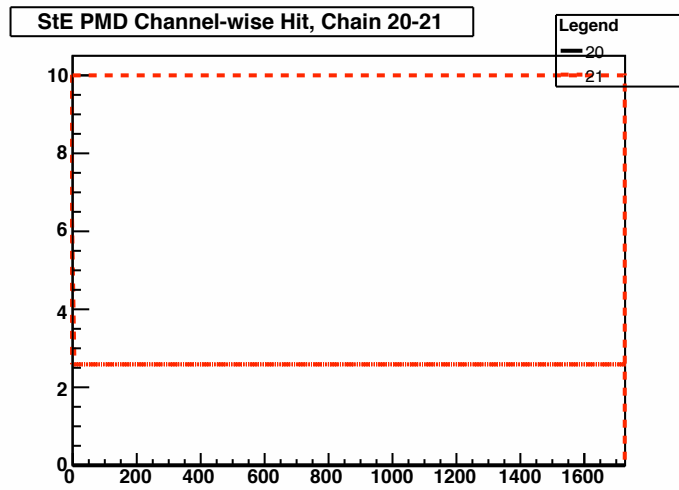
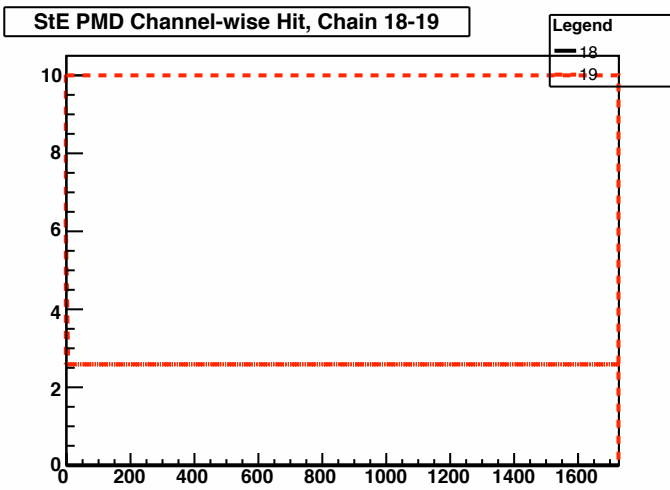
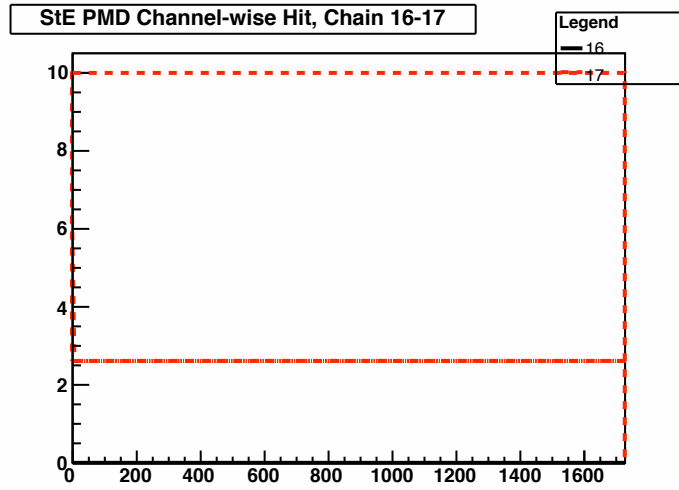
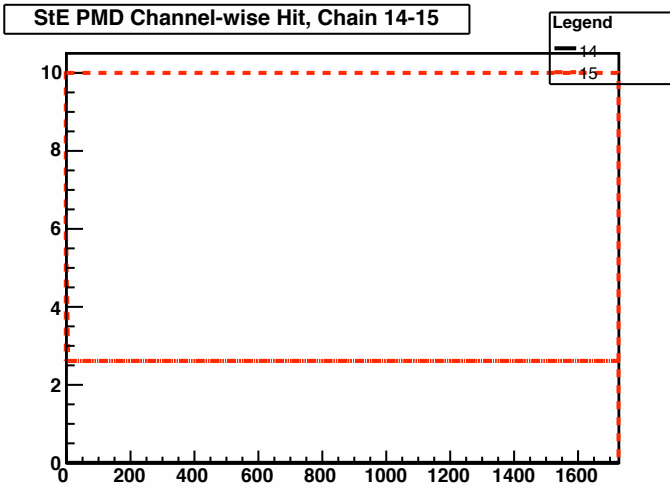
StE PMD SM-wise ADC/Hit Multiplicity 22-23

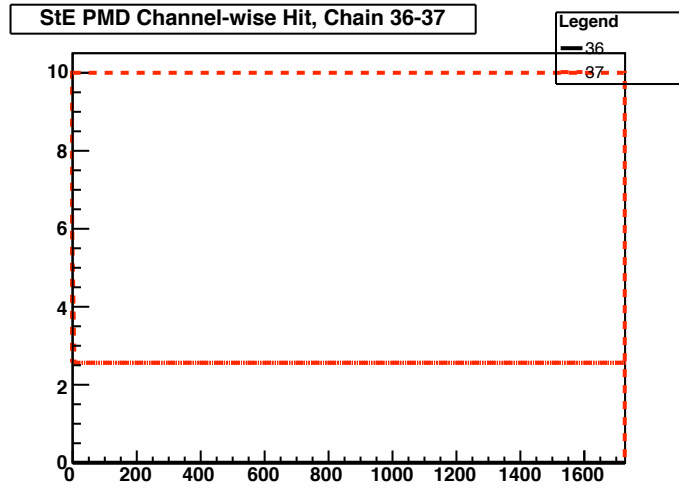
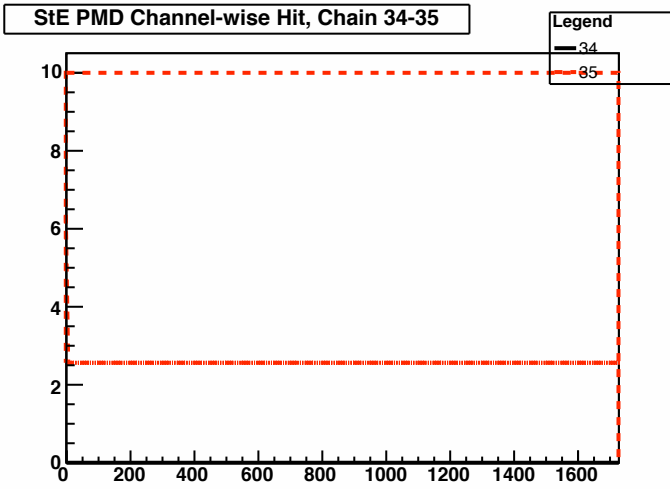
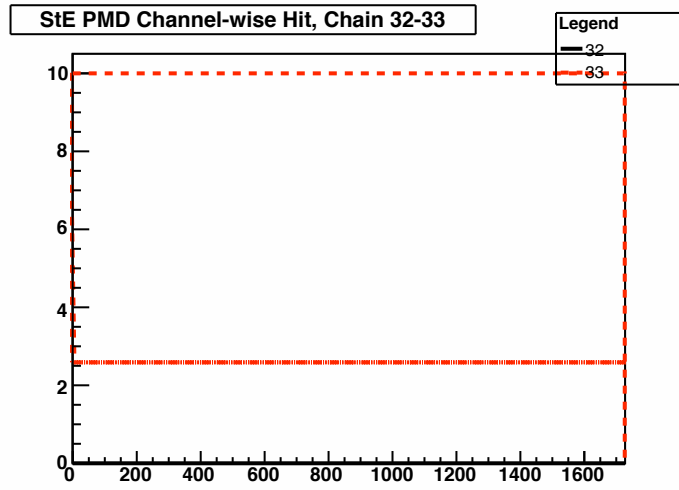
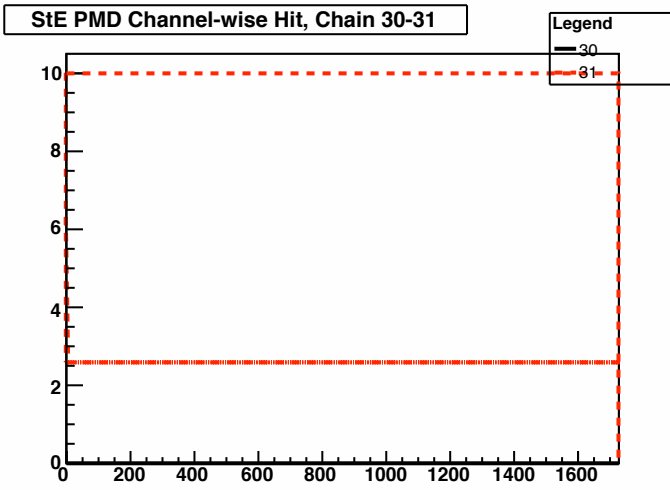
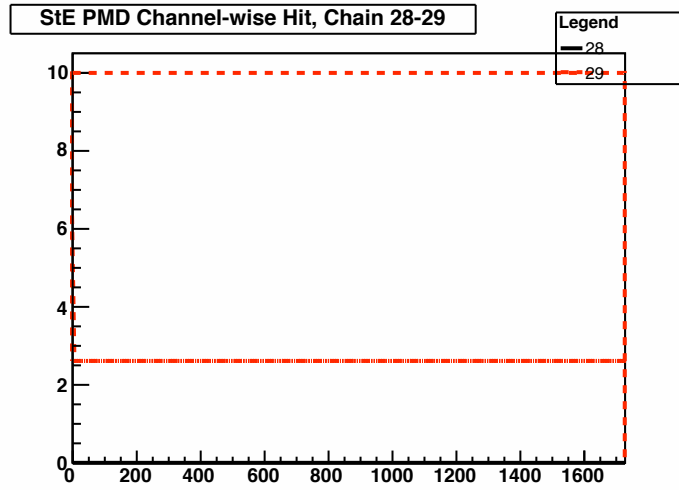
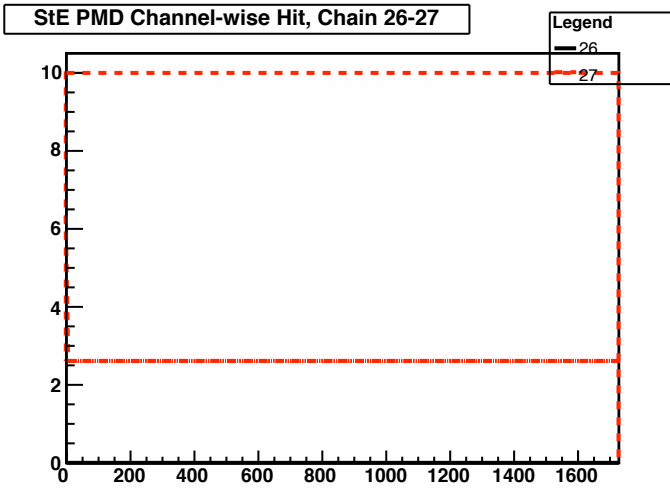


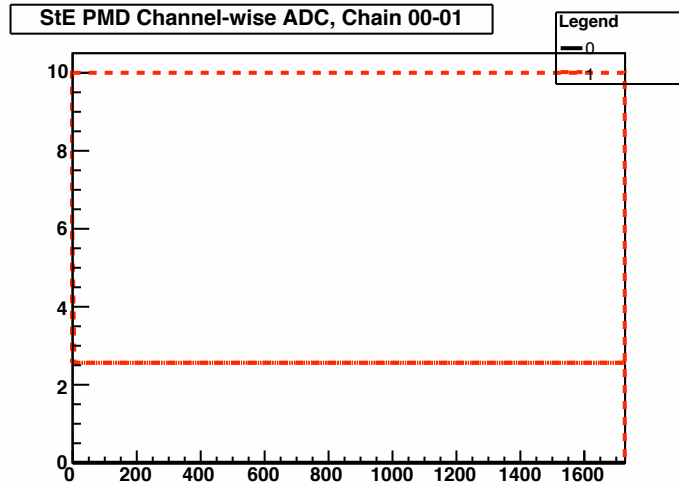
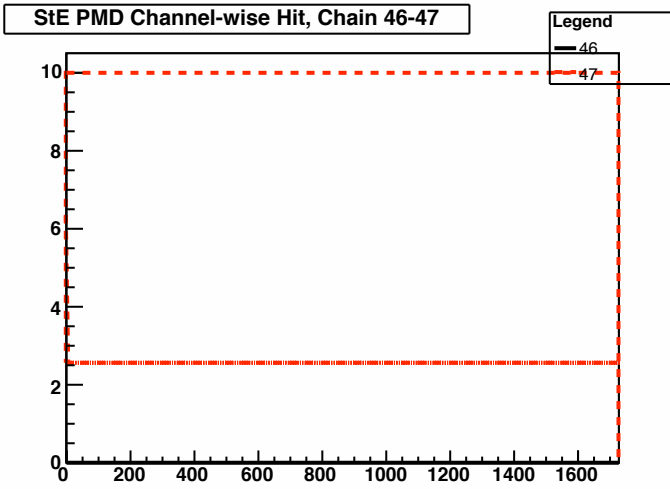
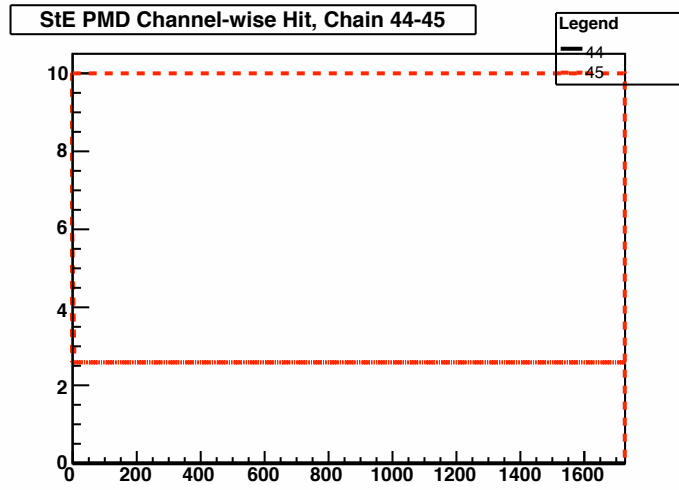
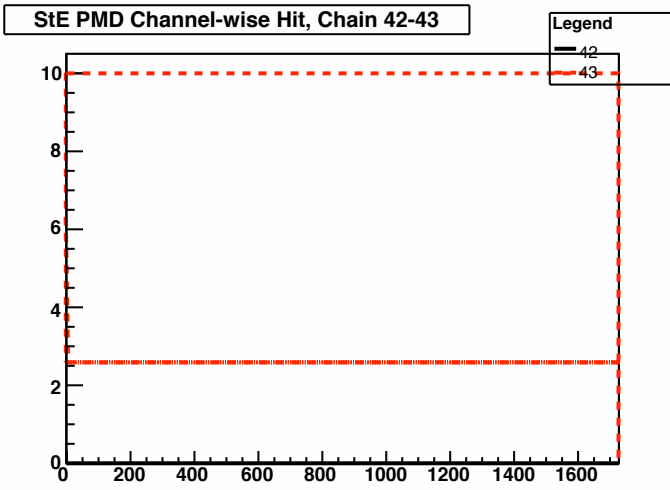
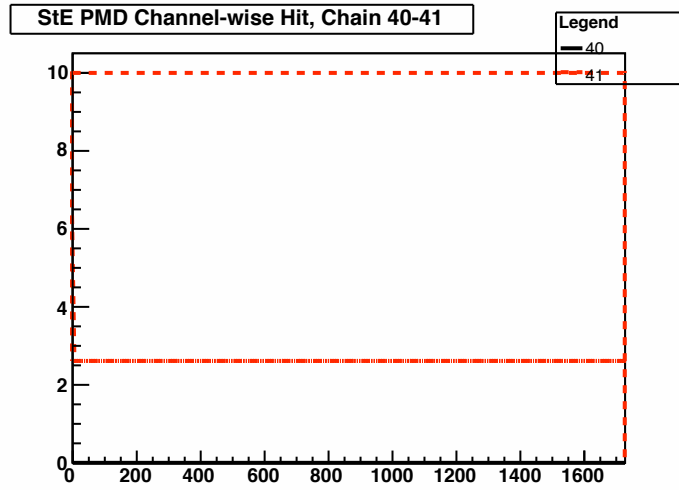
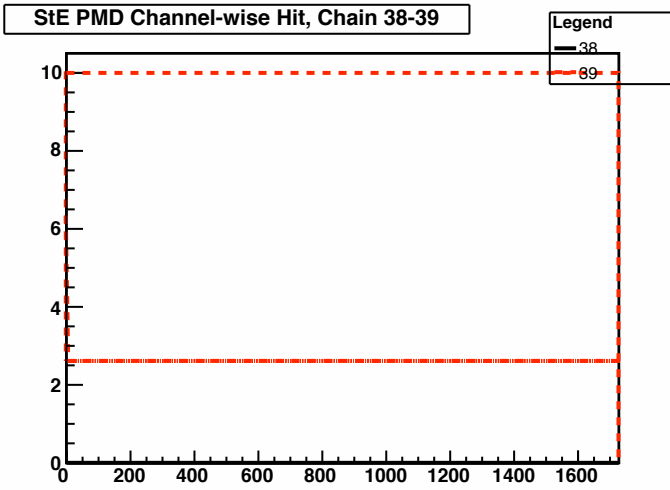
StE PMD Channel-wise Hit, Chain 00-01

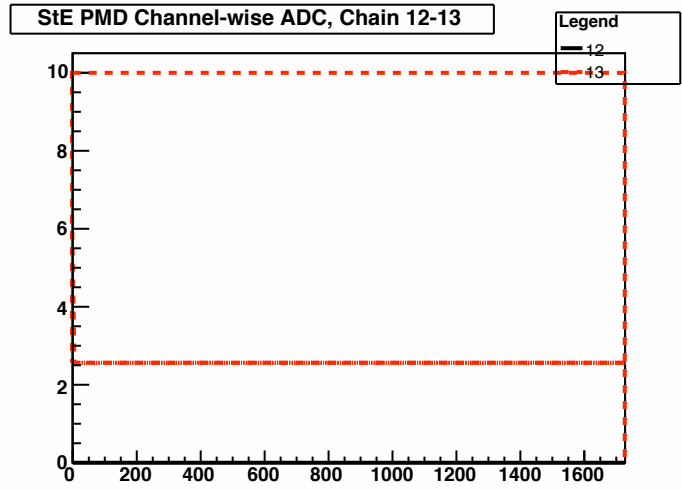
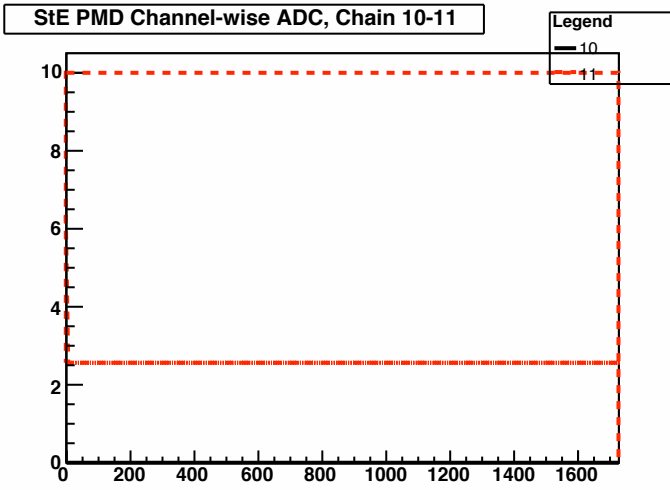
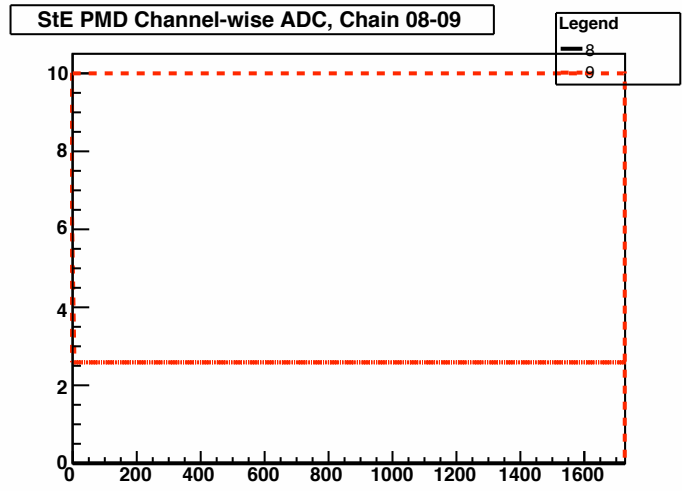
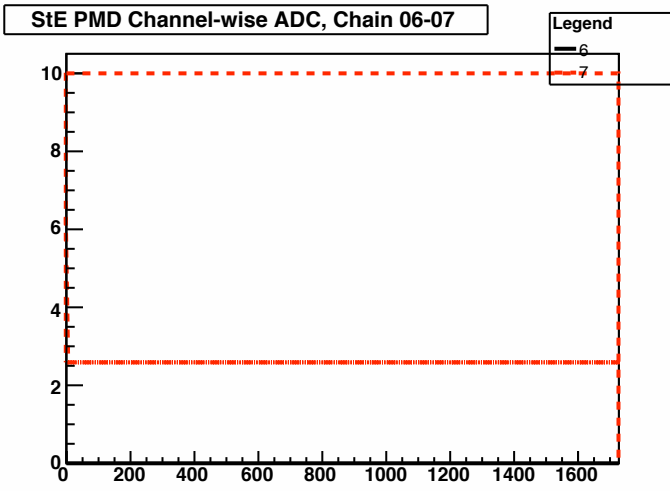
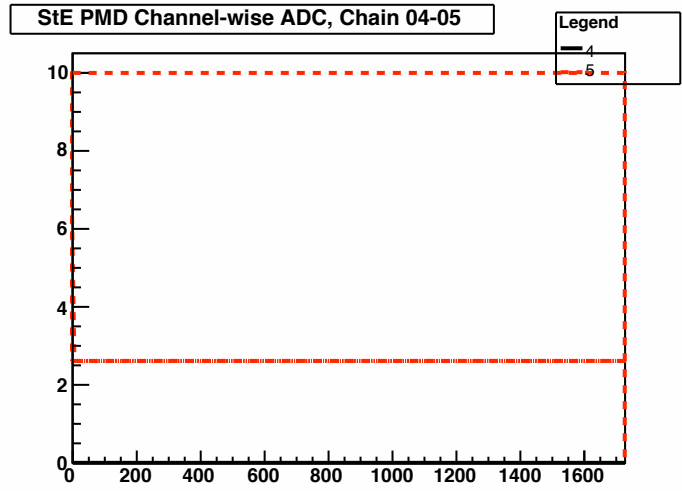
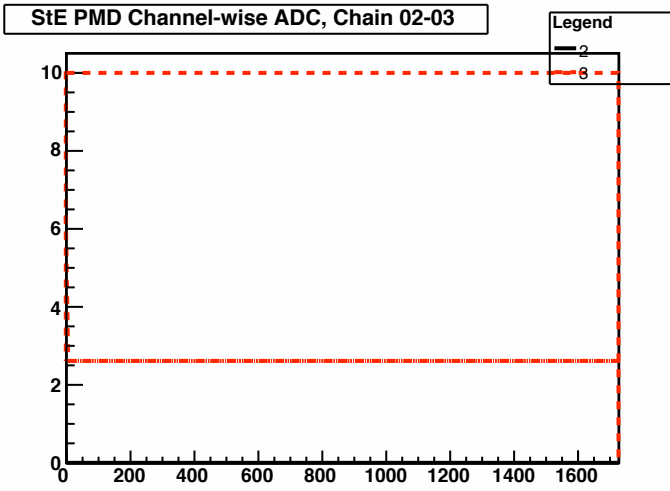


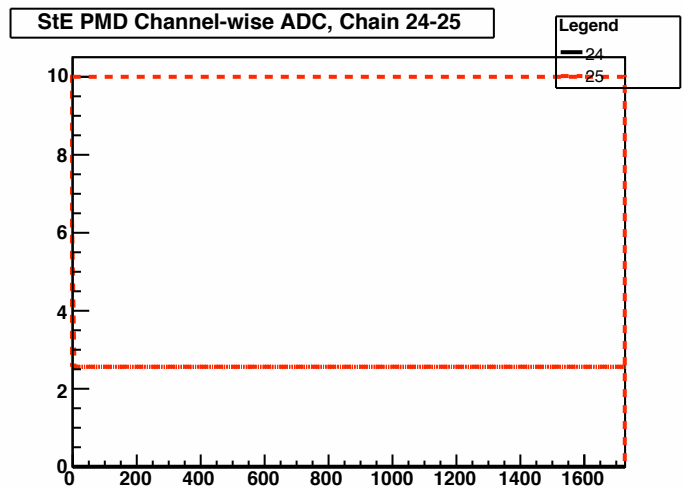
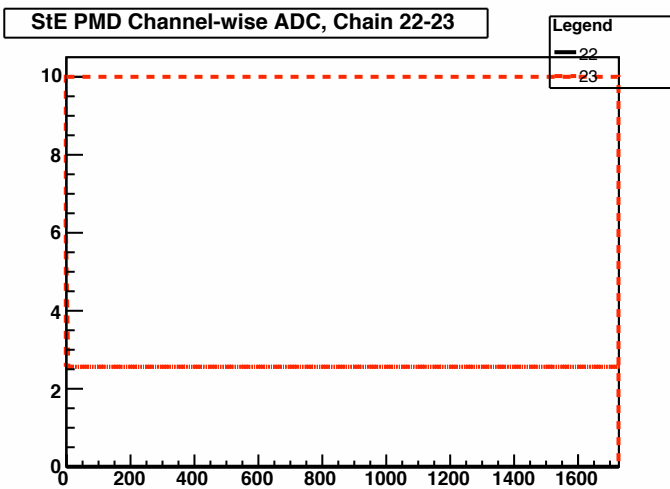
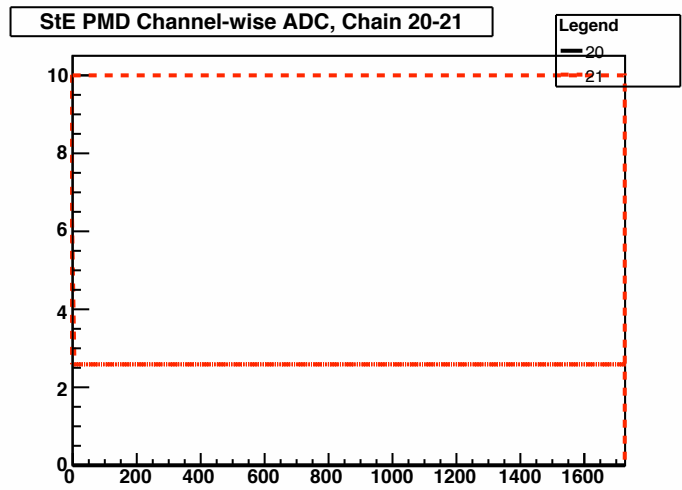
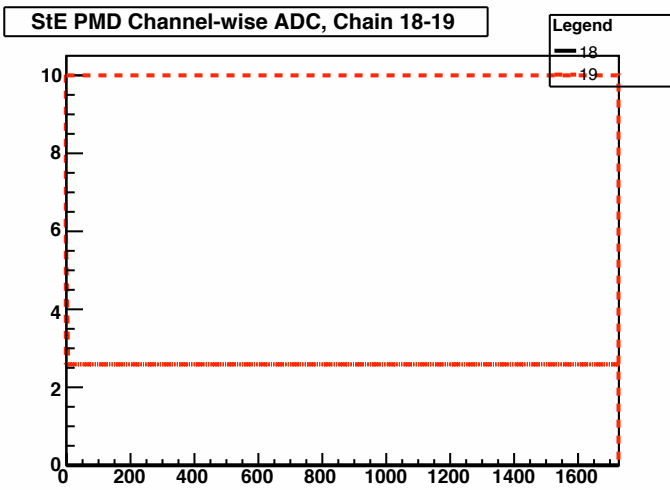
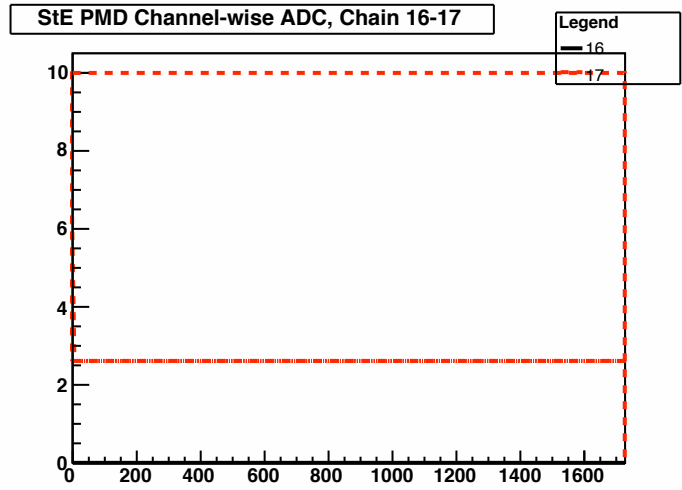
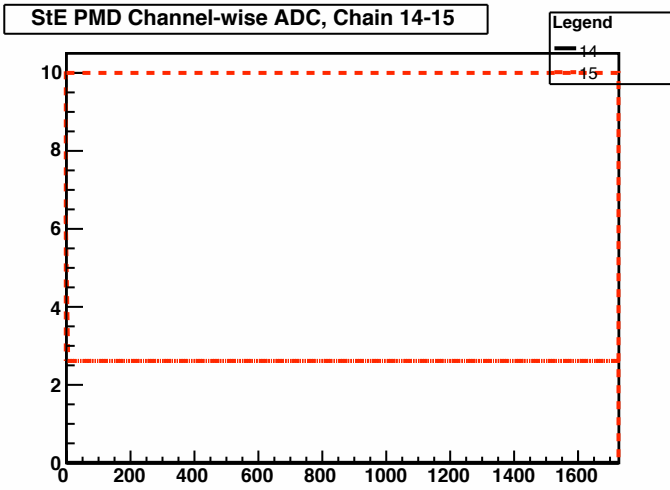




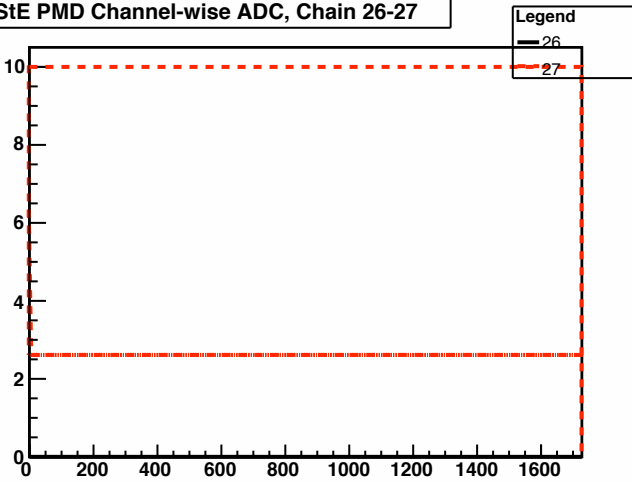




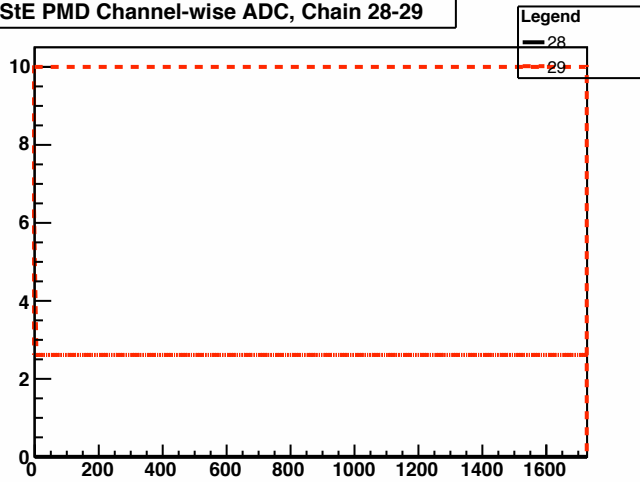




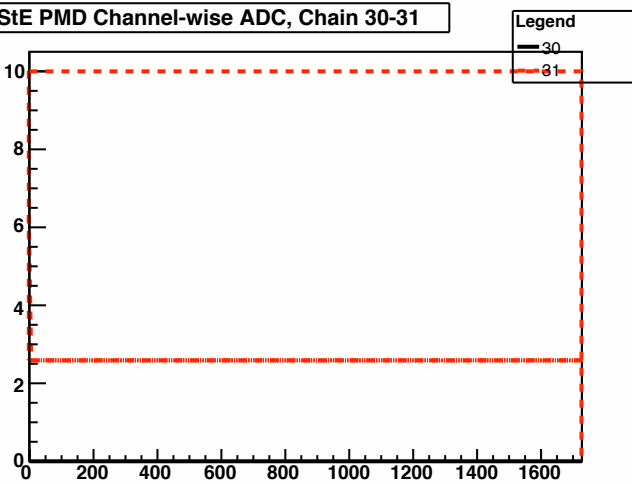
StE PMD Channel-wise ADC, Chain 26-27



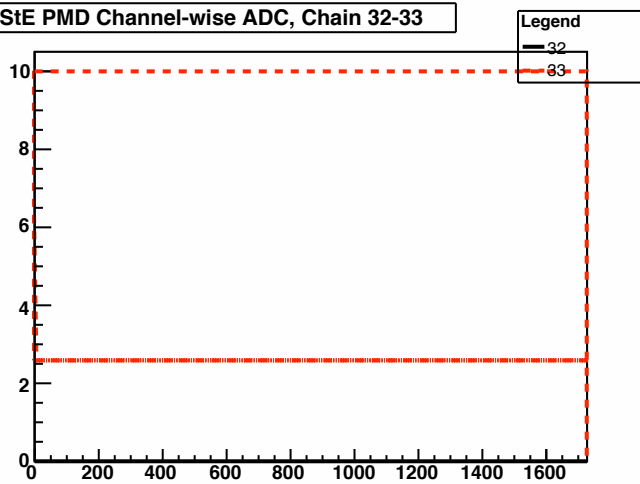
StE PMD Channel-wise ADC, Chain 28-29



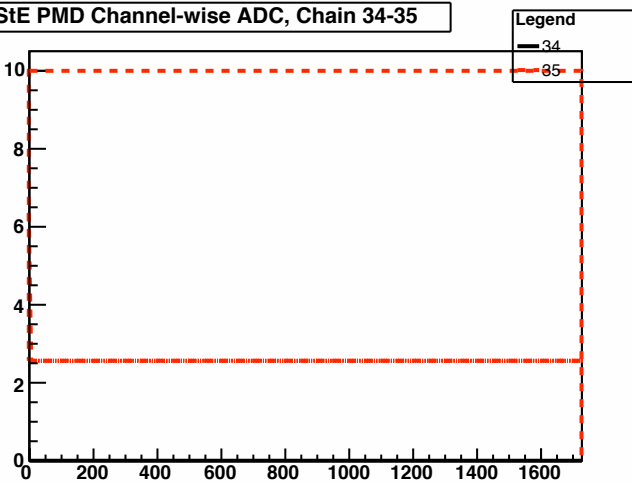
StE PMD Channel-wise ADC, Chain 30-31



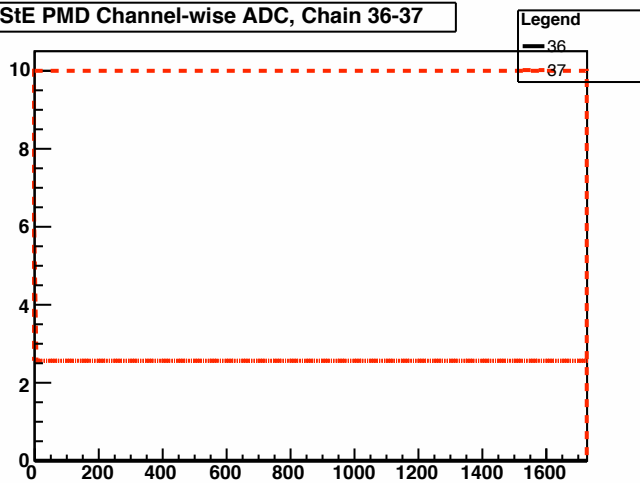
StE PMD Channel-wise ADC, Chain 32-33

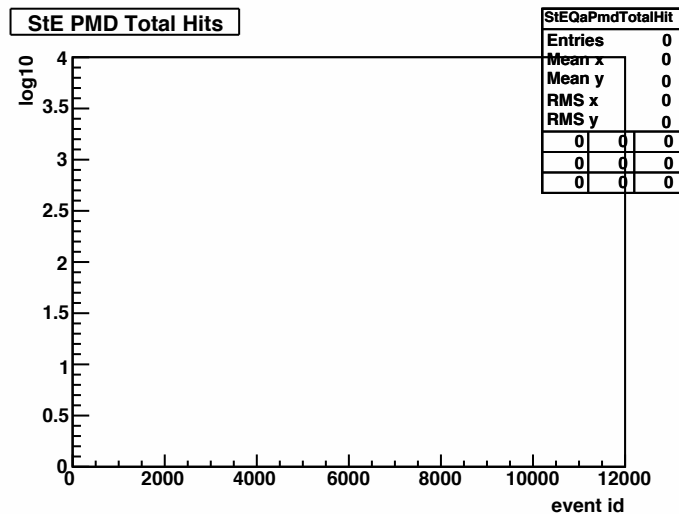
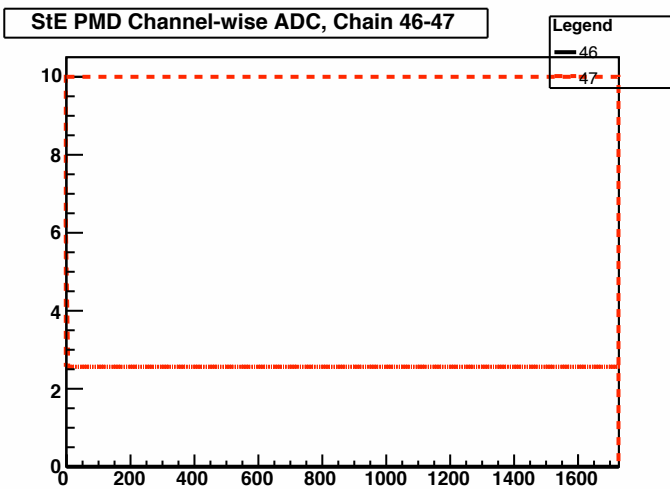
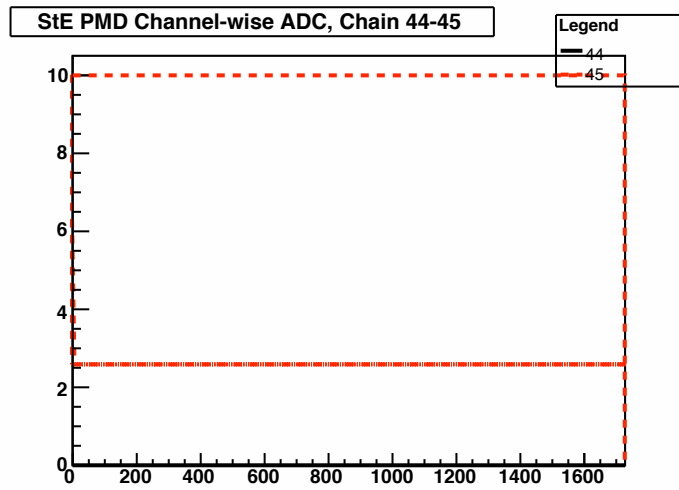
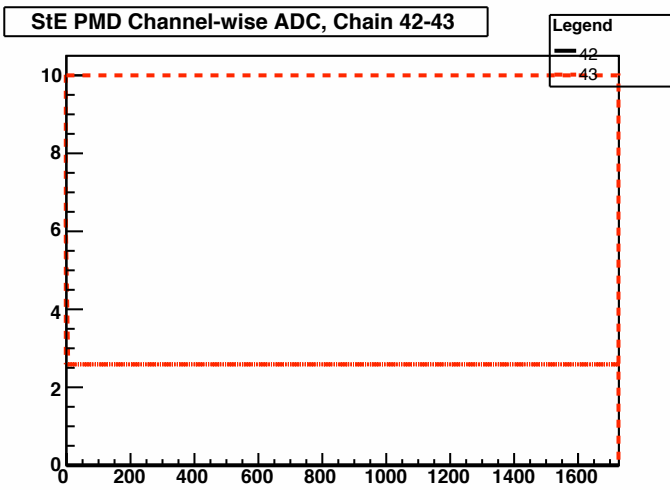
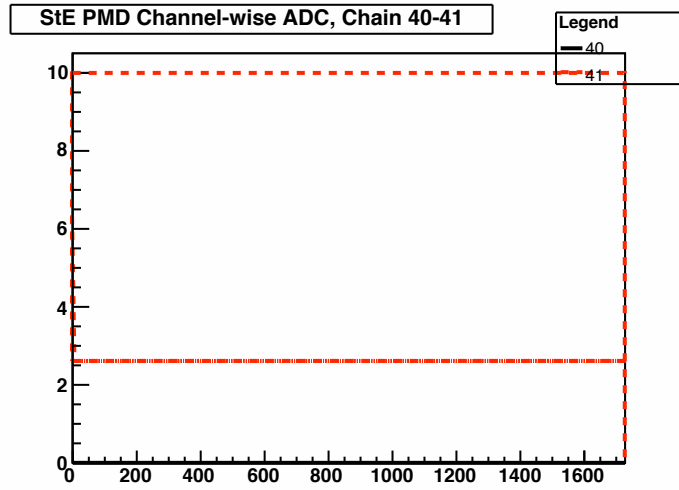
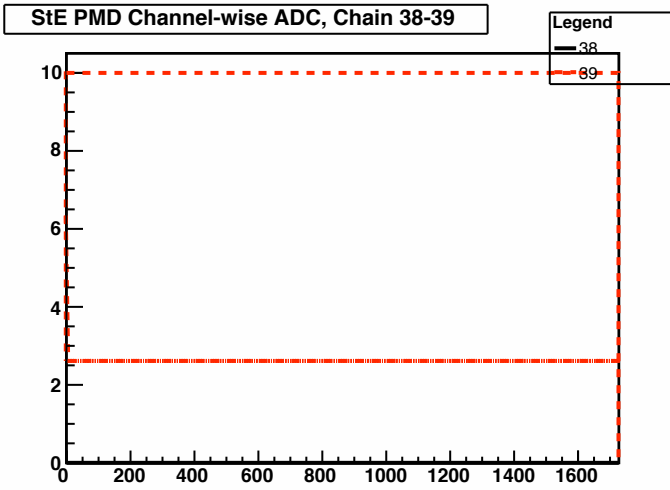


StE PMD Channel-wise ADC, Chain 34-35

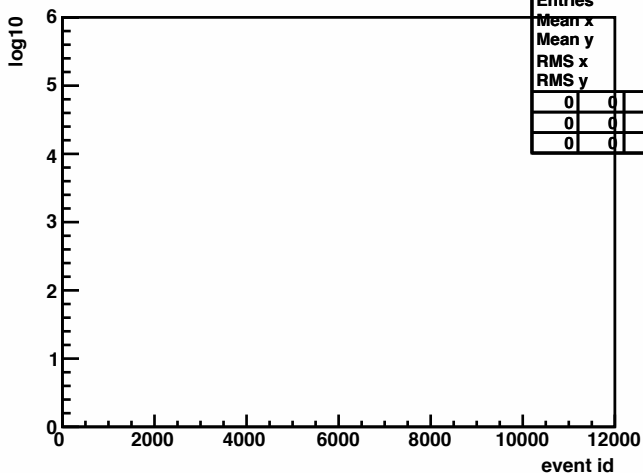


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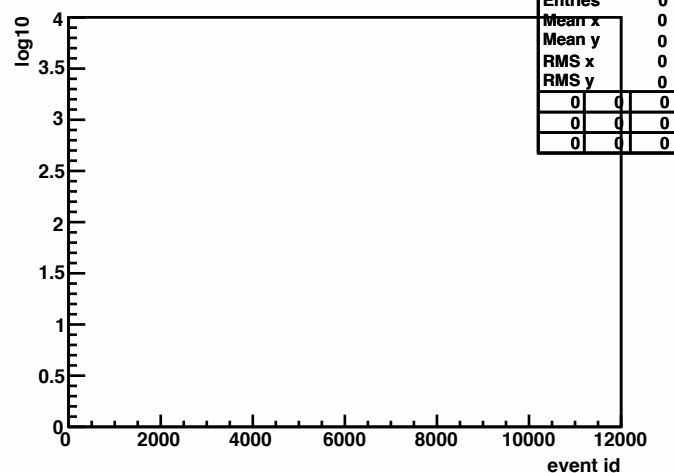




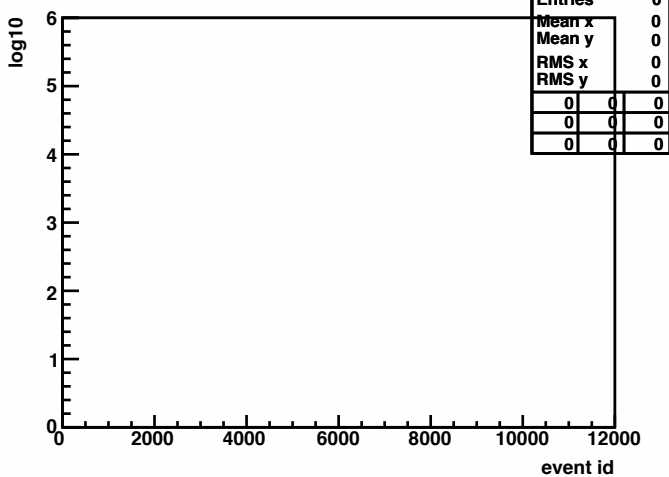
StE PMD Total ADC



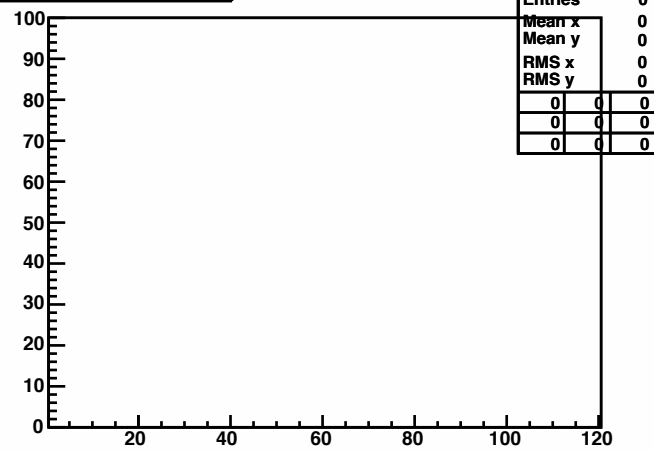
StE CPV Total Hits



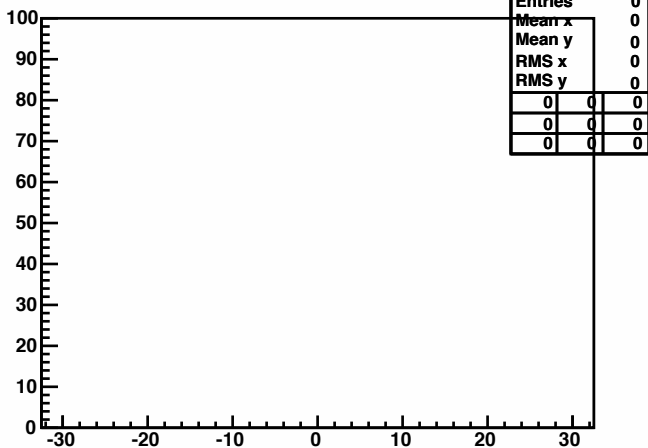
StE CPV Total ADC



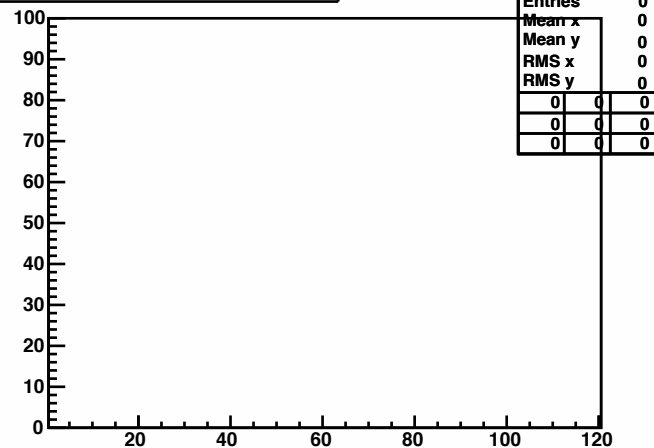
StE TOF Hits vs tray



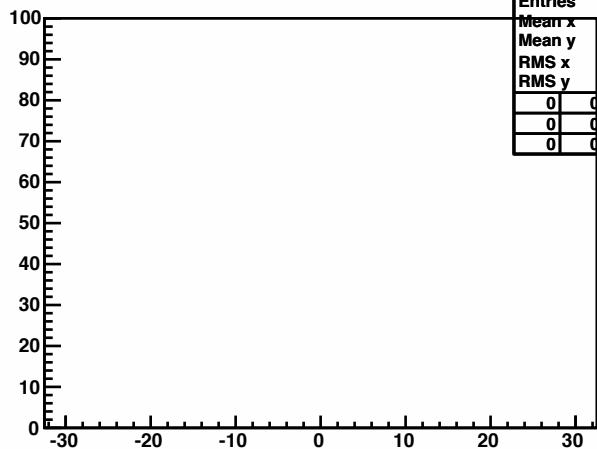
StE TOF Hits vs Module



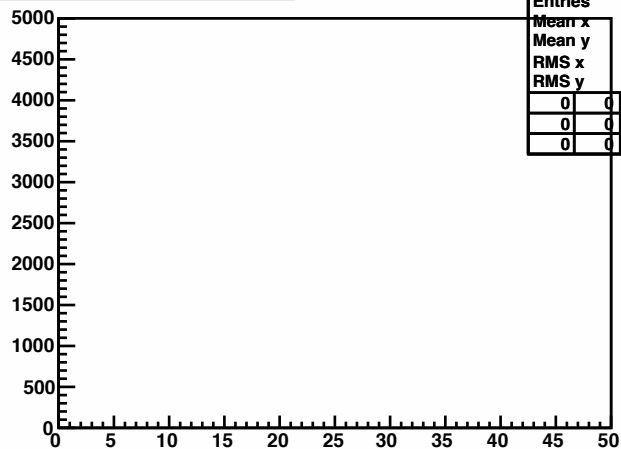
StE TOF Matched Hits vs tray



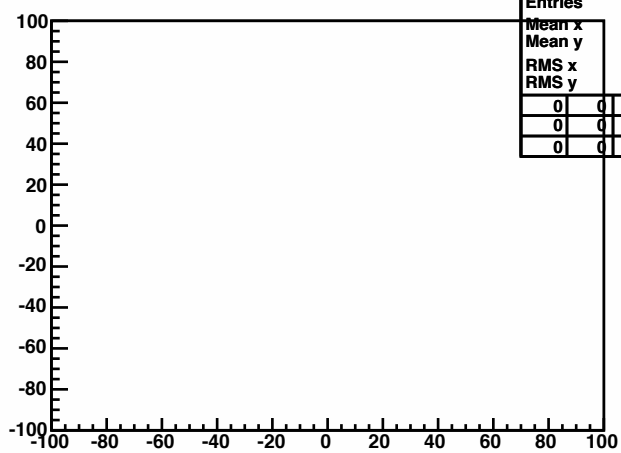
StE TOF Matched Hits vs Module



StE TOF Hits vs Vpd Hits



StE VPD vtxz vs TPC vtxz



StE TOF InvBeta vs p

