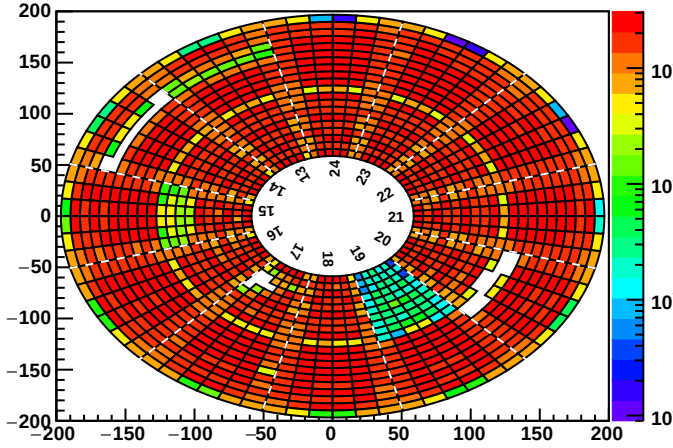
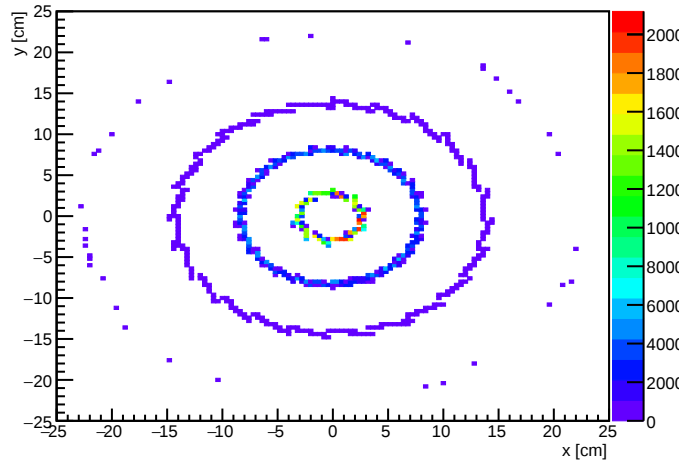


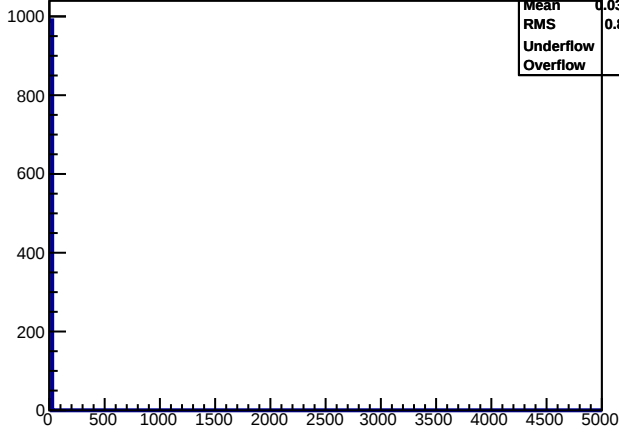
StE point: r-phi distribution of charge, tpcE



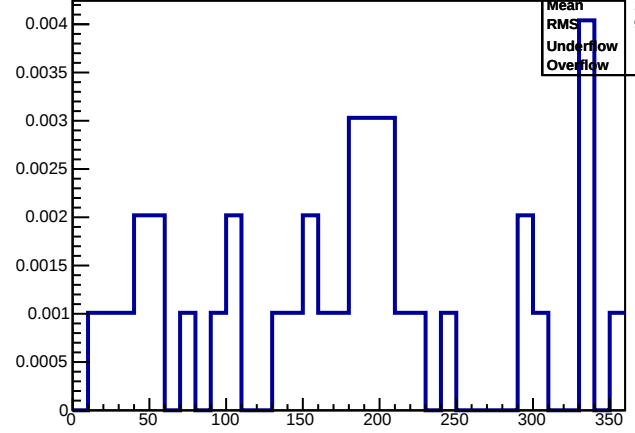
PIXEL, IST, SSD: Distribution of hits in XY



StE point: # hits sst

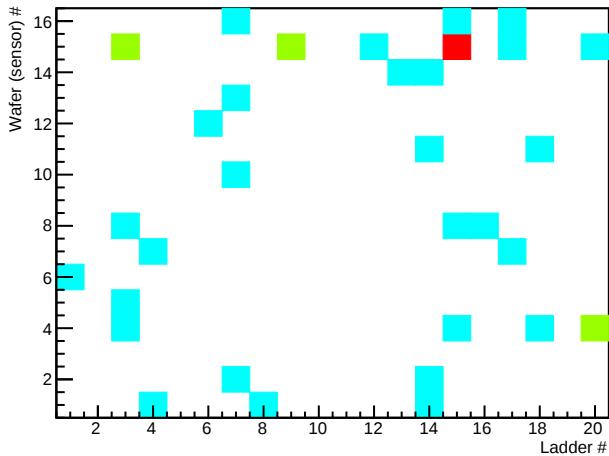


StEQaPointSst	
Entries	990
Mean	0.03737
RMS	0.8454
Underflow	0
Overflow	0

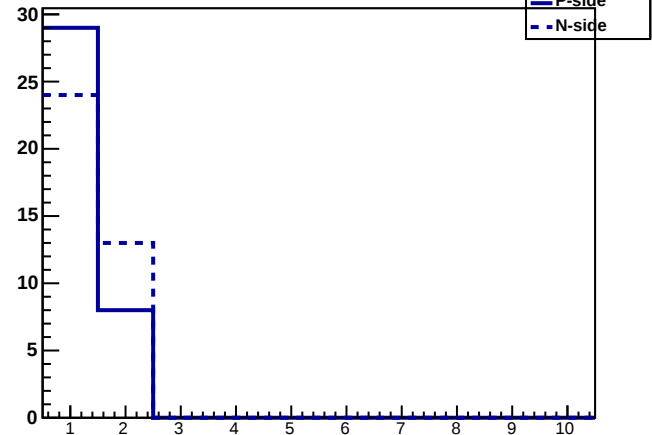
StE SST: ϕ of hits (per event)

StEQaPointPhiSST	
Entries	37
Mean	178.8
RMS	97.69
Underflow	-1
Overflow	0

StE SST: wafer id vs ladder id (per event)



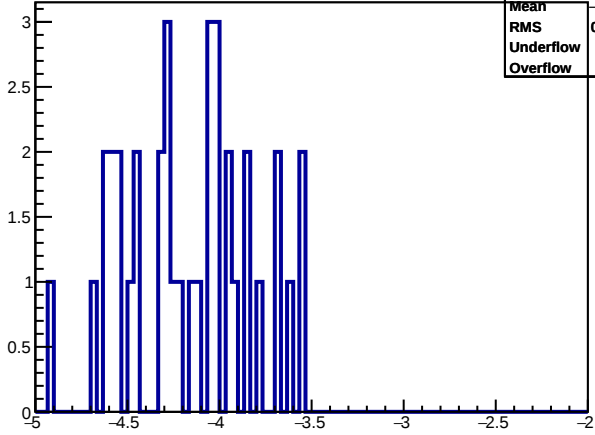
StE SST: size of clusters



Legend
— P-side
- - N-side

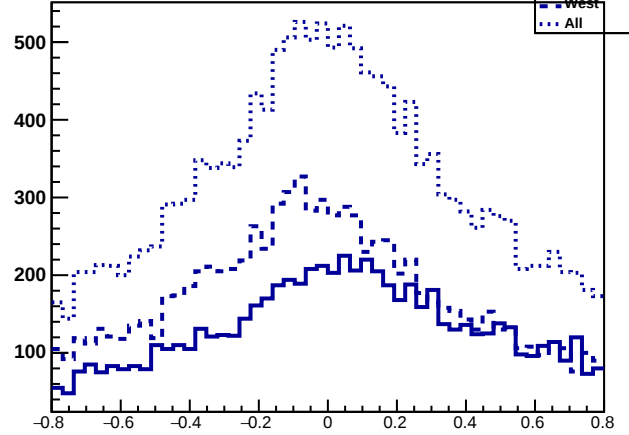
StE SST: log10(energy) of hits

StEQaPointESST	
Entries	37
Mean	-4.169
RMS	0.3427
Underflow	0
Overflow	0



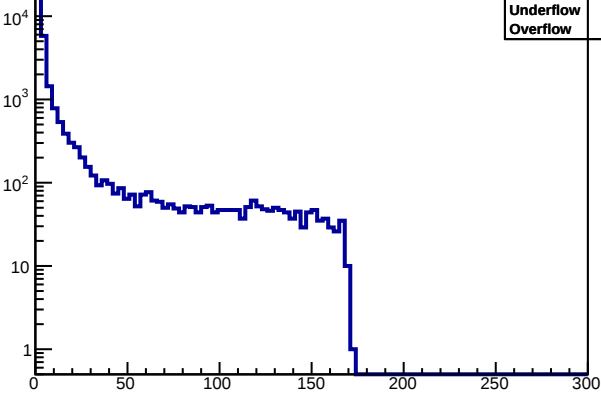
StE globtrk: signed impact param from prim vtx, tpc

Legend	
—	East
—	West
...	All



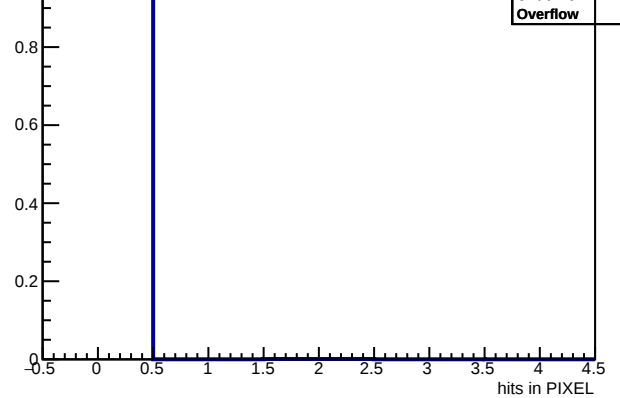
StE globtrk: impact param from prim vtx, tpc

StEQaGtrkImpactT	
Entries	34216
Mean	9.517
RMS	25.06
Underflow	0
Overflow	0



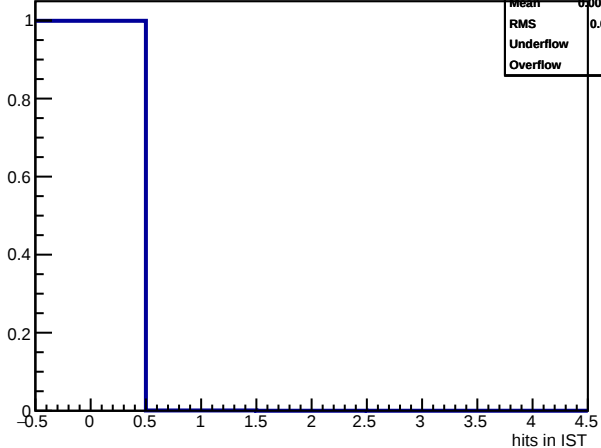
StE PIXEL: Hits per global track

StEQaGtrkPxHit	
Entries	451969
Mean	0.00162
RMS	0.0572
Underflow	-1
Overflow	0



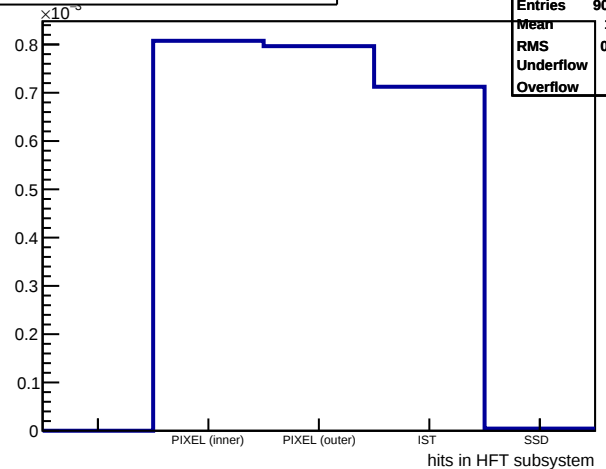
StE IST: Hits per global track

StEQaGtrkIstHit	
Entries	451969
Mean	0.0007124
RMS	0.02685
Underflow	-1
Overflow	0



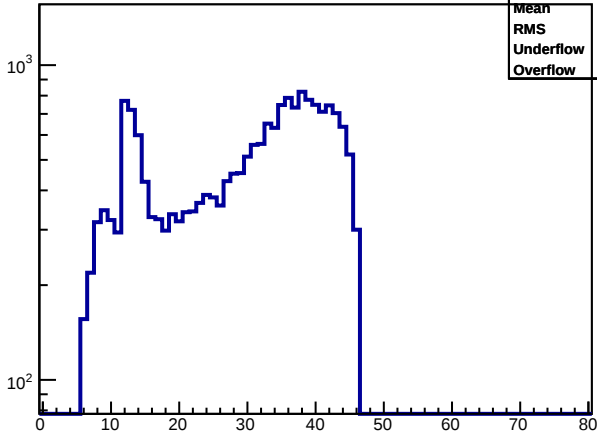
StE HFT: Hits per global track

StEQaGtrkHftHit	
Entries	904663
Mean	1.963
RMS	0.8131
Underflow	-1
Overflow	0



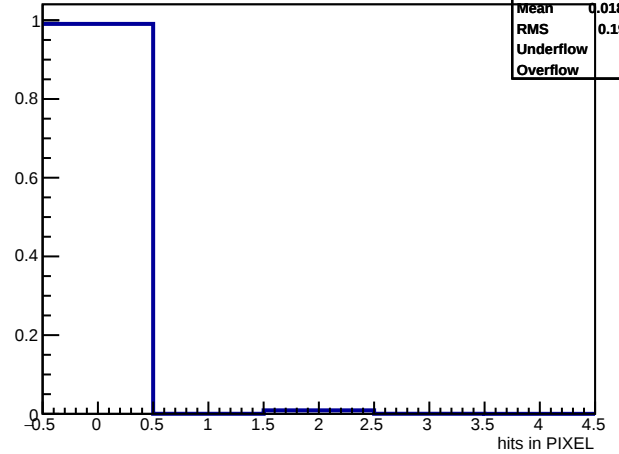
StE primtrk: N fit pnts on trk, tpc

StEQaPtrkNPntFit	
Entries	20431
Mean	28.78
RMS	11.46
Underflow	0
Overflow	0



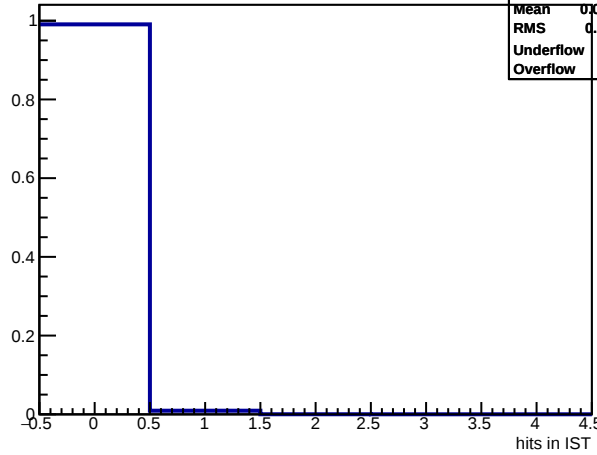
StE PIXEL: Hits per primary track

StEQaPtrkPxHit	
Entries	20621
Mean	0.01848
RMS	0.1925
Underflow	-1
Overflow	0



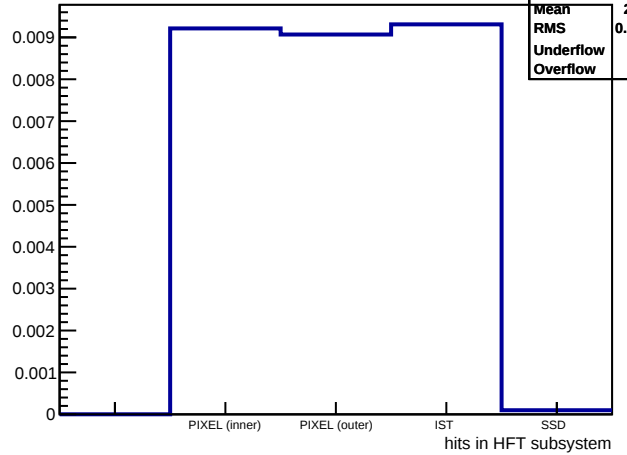
StE IST: Hits per primary track

StEQaPtrkIstHit	
Entries	20621
Mean	0.009311
RMS	0.09705
Underflow	-1
Overflow	0



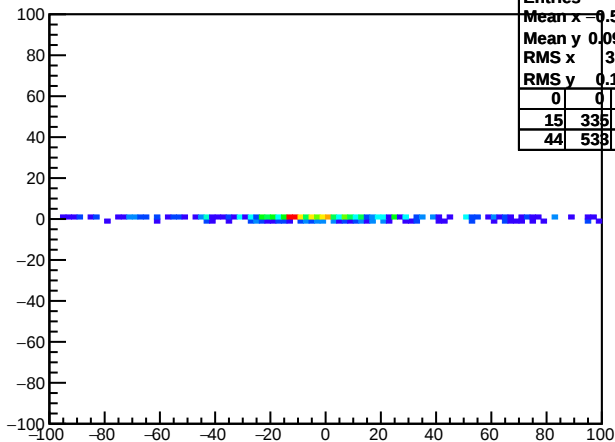
StE HFT: Hits per primary track

StEQaPtrkHftHit	
Entries	41619
Mean	2.011
RMS	0.8264
Underflow	-1
Overflow	0



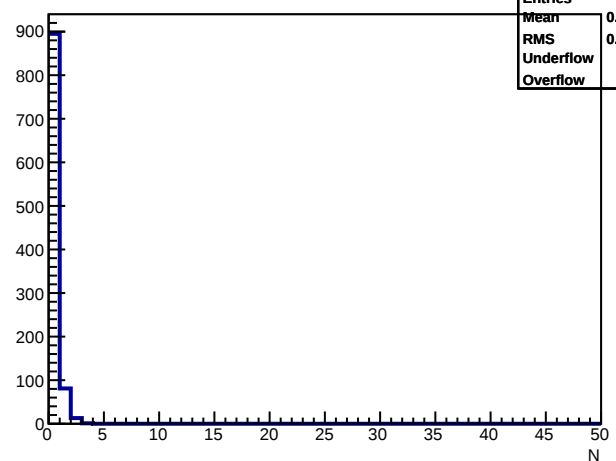
StE VPD vtxz vs TPC vtxz

StEQaToVpdZvsTpcZ		
Entries	990	
Mean x	-0.5867	
Mean y	0.09272	
RMS x	37.08	
RMS y	0.1376	
0	0	0
15	335	22
44	538	41

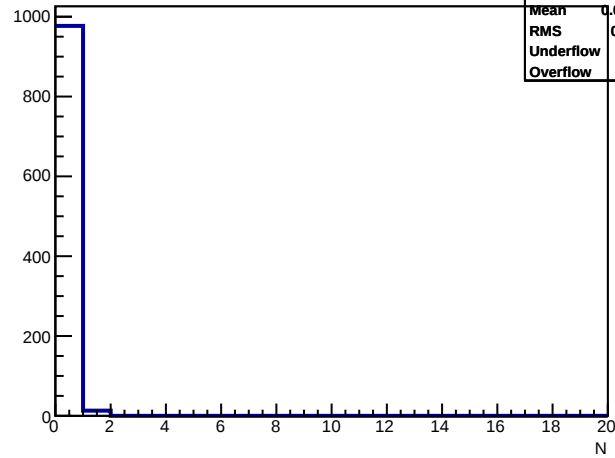


StE Number of MTD hits per event

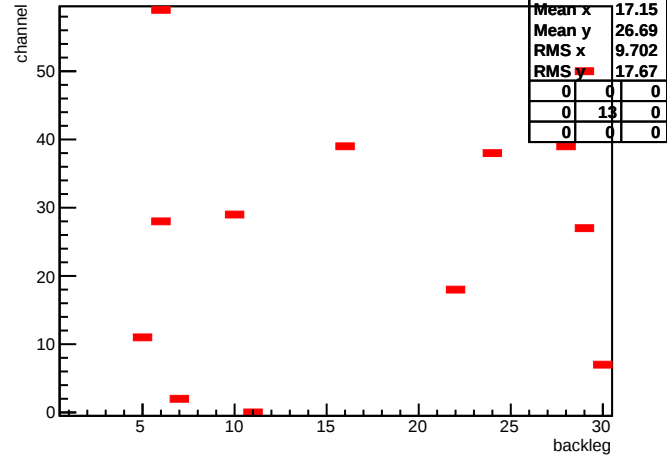
StEQaMtdNHits	
Entries	990
Mean	0.1111
RMS	0.3621
Underflow	0
Overflow	0



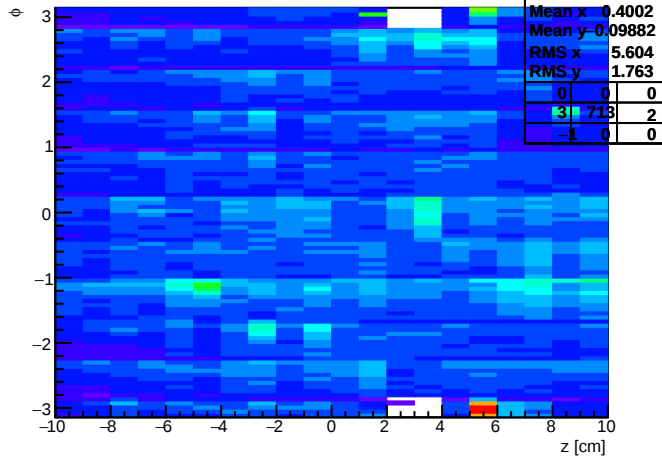
StE Number of matched MTD hits per event



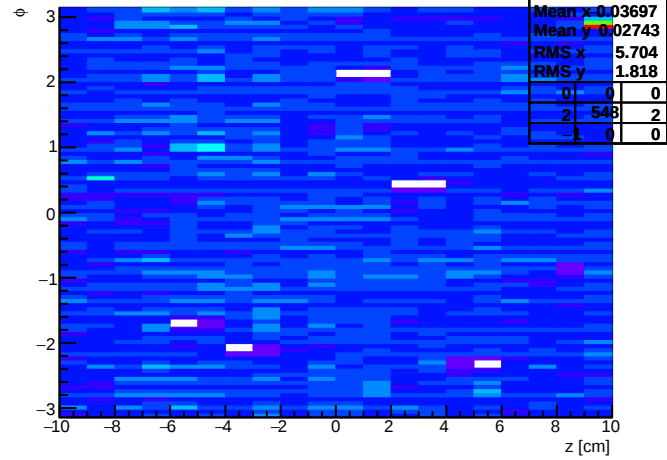
StE MTD: channel vs backlog of matched hits



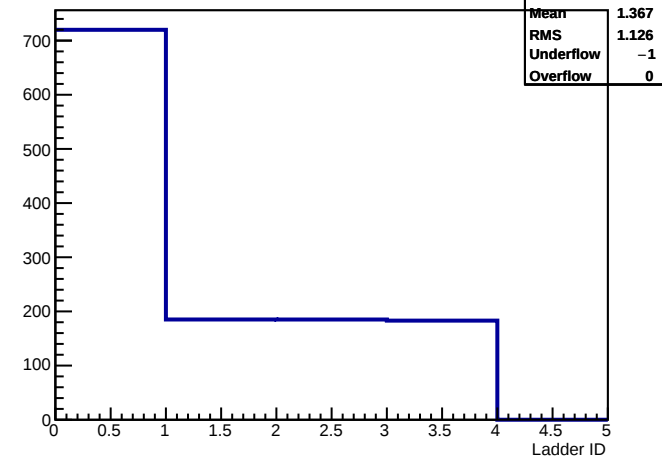
StE PIXEL: hits vs phi vs z in inner layer (per event)



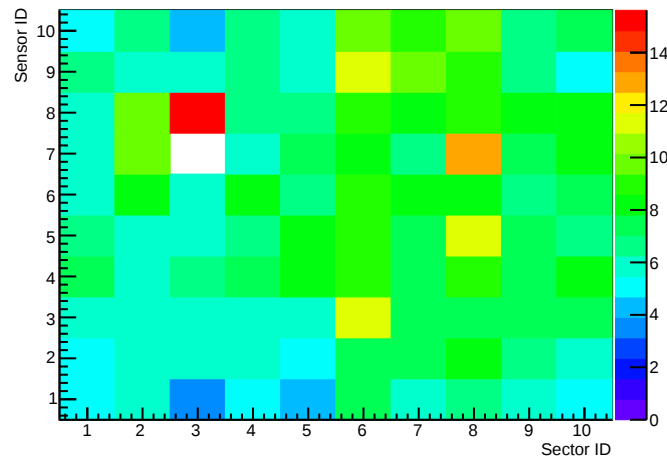
StE PIXEL: hits vs phi vs z in outer layer (per event)



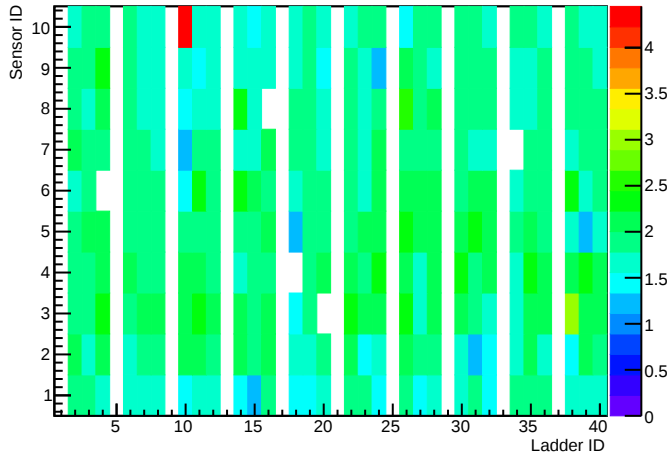
StE PIXEL: hits per ladder (per event)



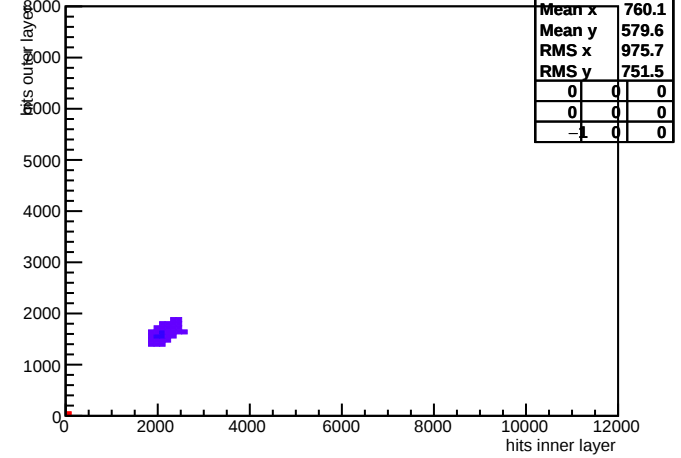
StE PIXEL: hits vs sector vs sensor in inner layer (per event)



StE PIXEL: hits vs ladder vs sensor in outer layer (per event)

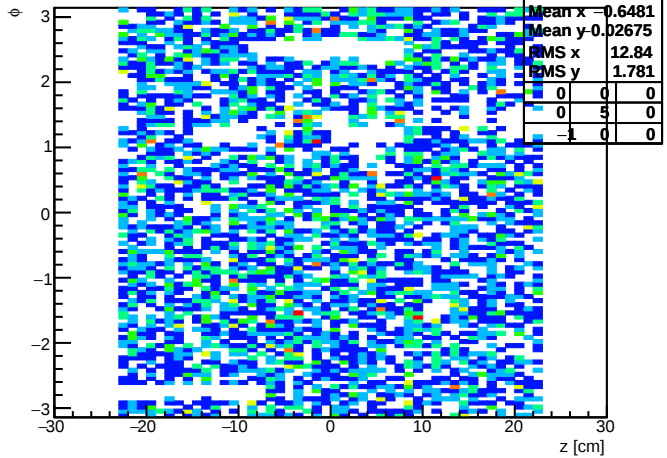


StE PIXEL: Hits in inner vs outer layer (per event)



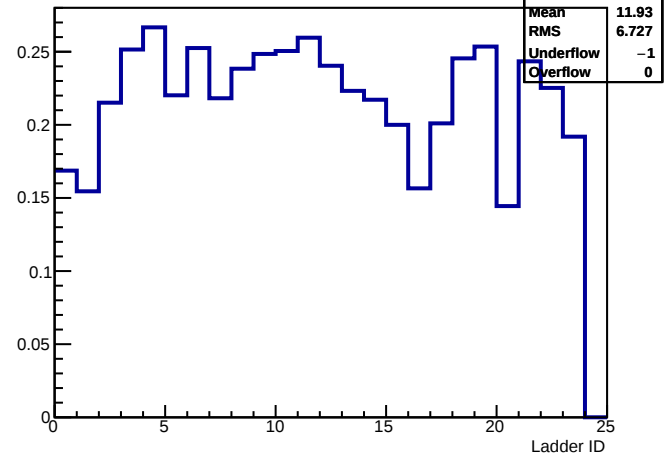
StEQaPxHitLayer1vsLayer2	
Entries	990
Mean x	760.1
Mean y	579.6
RMS x	975.7
RMS y	751.5
0	0
0	0
-1	0

StE IST: Hits vs phi vs z (per event)



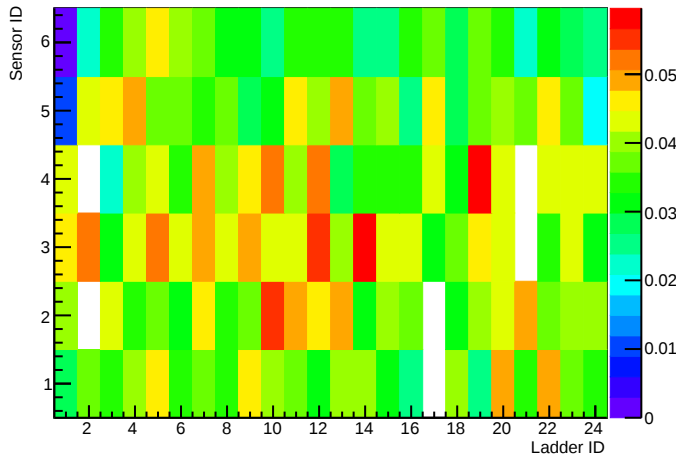
StEQalstHitPhivsZ	
Entries	5234
Mean x	-0.6481
Mean y	-0.02675
RMS x	12.84
RMS y	1.781
0	0
0	5
-1	0

StE IST: Hits per ladder (per event)

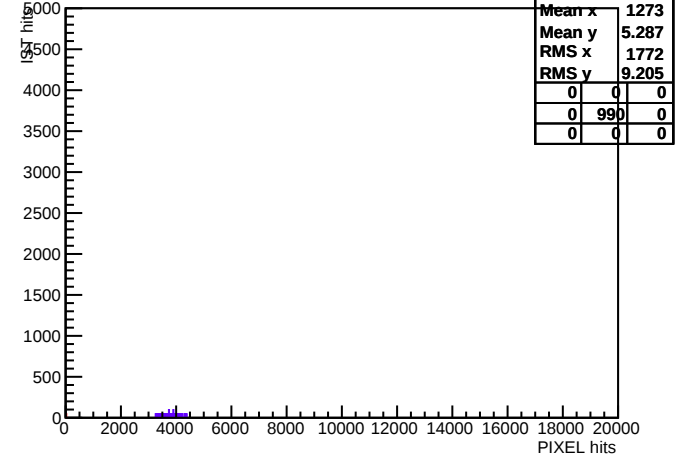


StEQalstHitsvsLadder	
Entries	23760
Mean	11.93
RMS	6.727
Underflow	-1
Overflow	0

StE IST: Hits vs ladder vs sensor (per event)

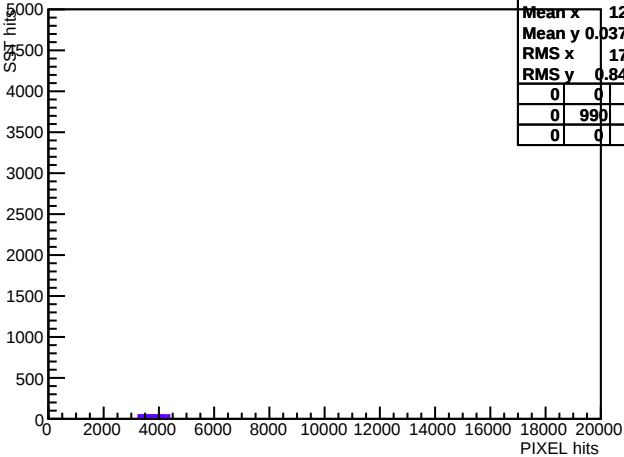


StE PIXEL hits vs IST hits



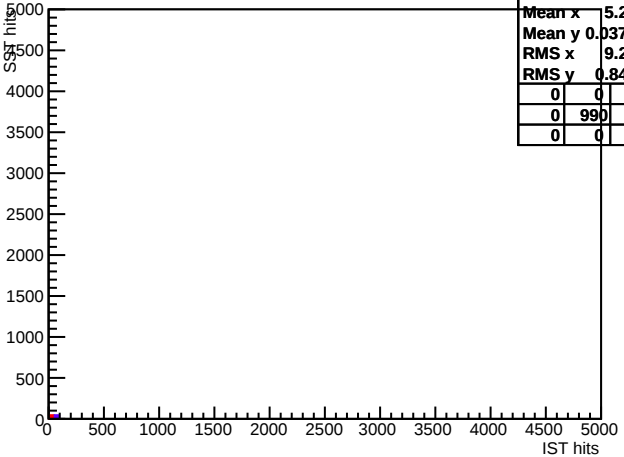
StEQaPxIvsIstHit	
Entries	990
Mean x	1273
Mean y	5.287
RMS x	1772
RMS y	9.205
0	0
0	990
0	0

StE PIXEL hits vs SST hits



StEQaPxlvSstHit		
Entries	990	
Mean x	1273	
Mean y	0.03737	
RMS x	1772	
RMS y	0.8454	
0	0	0
0	990	0
0	0	0

StE IST hits vs SST hits



StEQaIstvsSsdHit		
Entries	990	
Mean x	5.287	
Mean y	0.03737	
RMS x	9.205	
RMS y	0.8454	
0	0	0
0	990	0
0	0	0