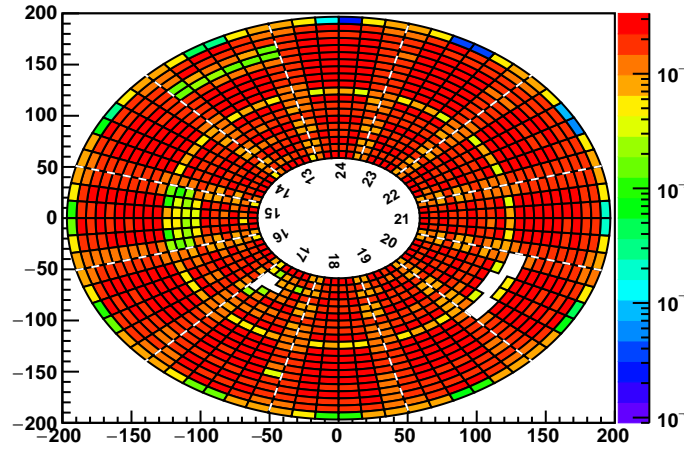
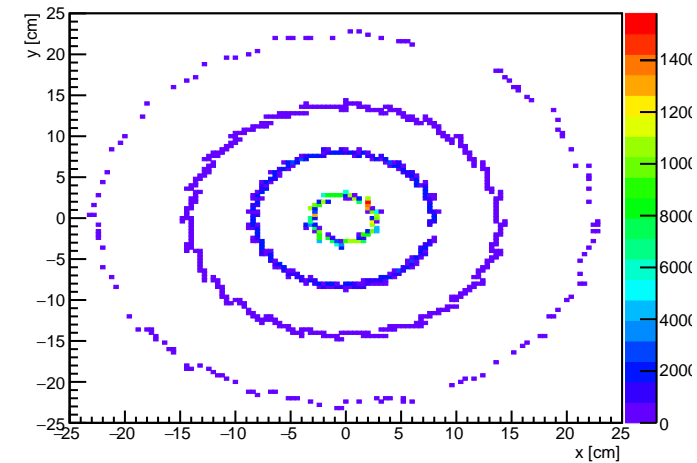


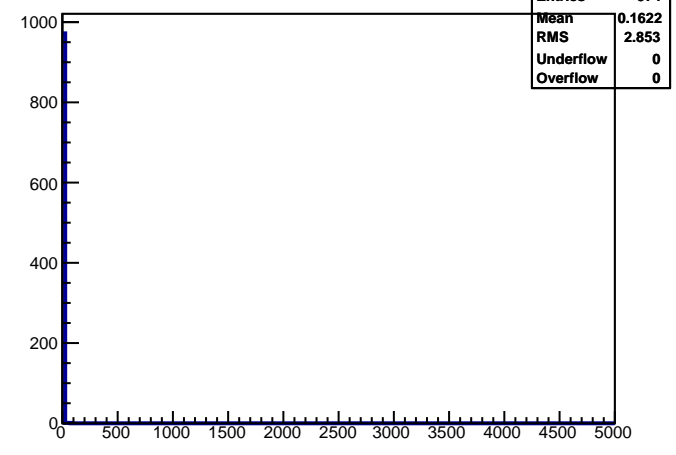
StE point: r-phi distribution of charge, tpcE



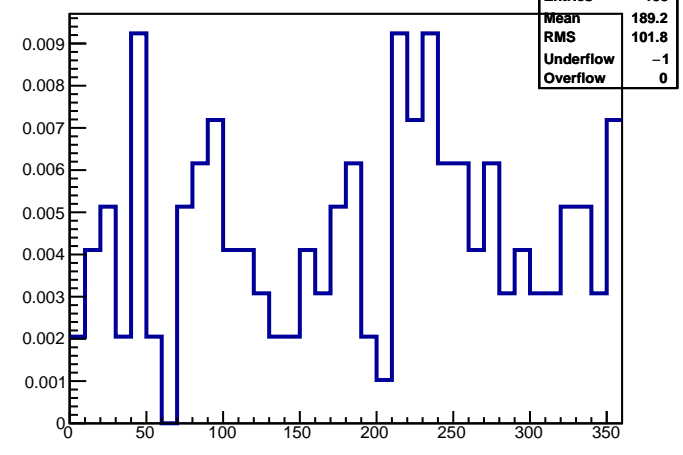
PIXEL, IST, SSD: Distribution of hits in XY



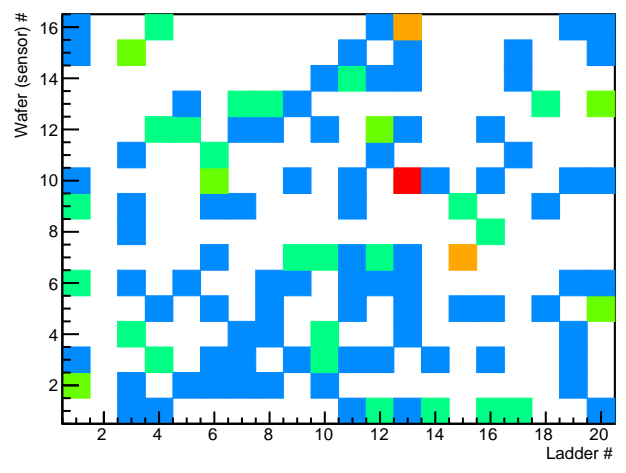
StE point: # hits sst



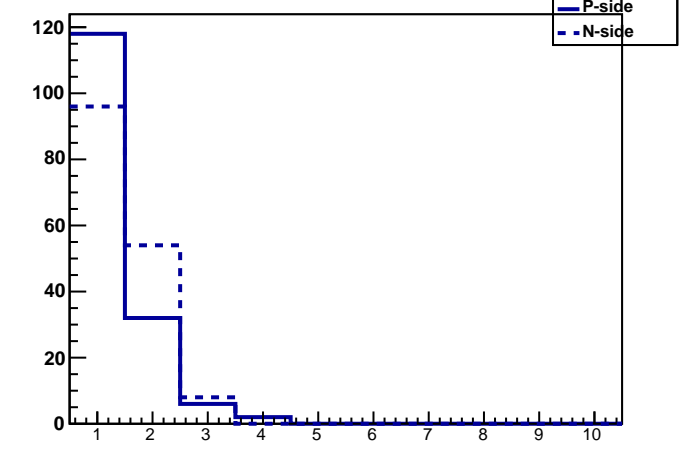
StE SST: ϕ of hits (per event)



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

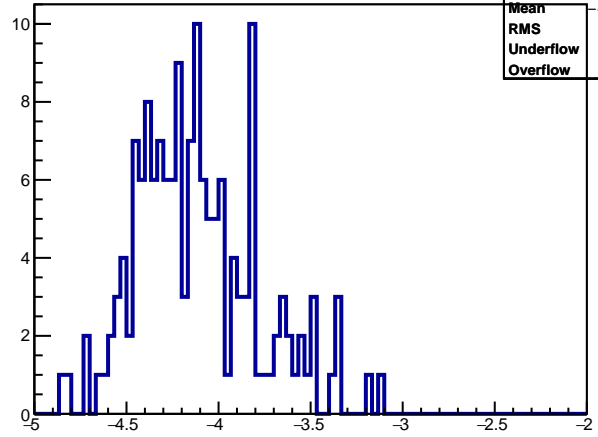


StE SST: size of clusters



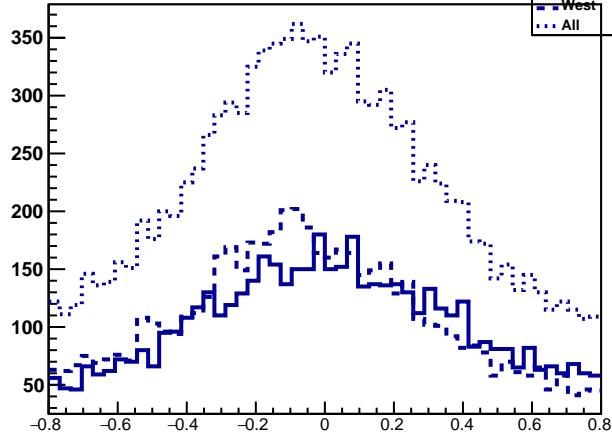
StE SST: log10(energy) of hits

StEQaPointESST	
Entries	158
Mean	-4.114
RMS	0.33
Underflow	0
Overflow	0



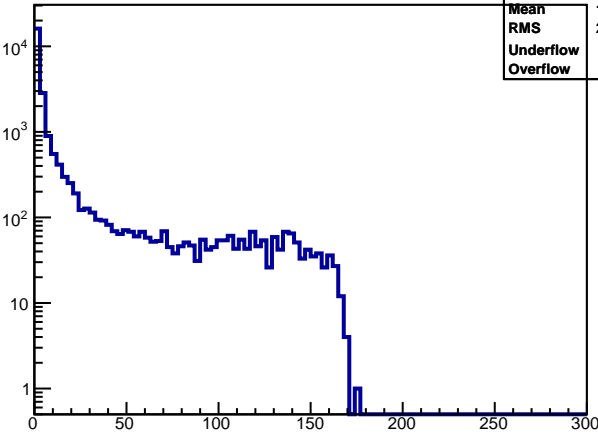
StE globtrk: signed impact param from prim vtx, tpc

Legend
— East
- - - West
... All



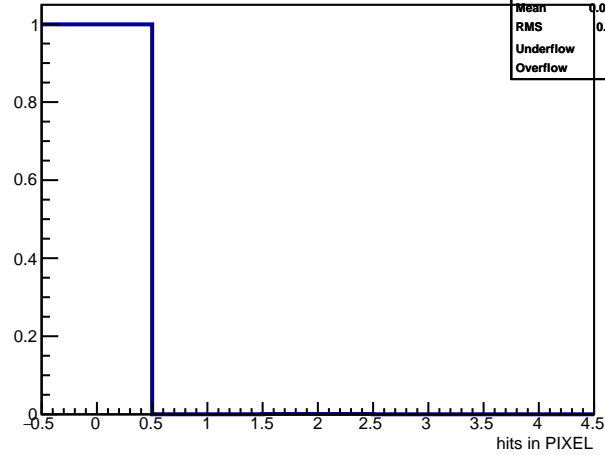
StE globtrk: impact param from prim vtx, tpc

StEQaGtrkImpactrT	
Entries	24267
Mean	11.84
RMS	29.25
Underflow	0
Overflow	0



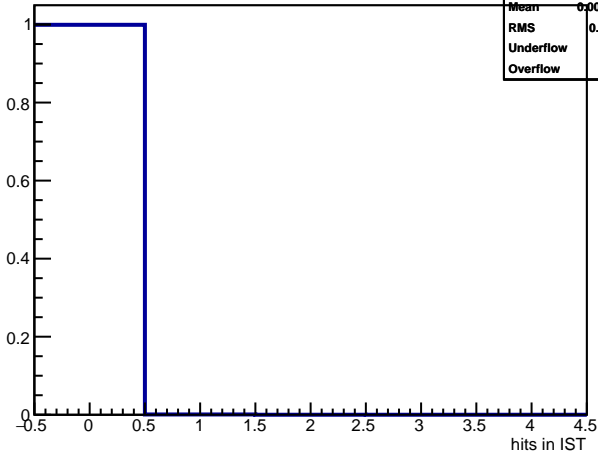
StE PIXEL: Hits per global track

StEQaGtrkPxHit	
Entries	391156
Mean	0.001554
RMS	0.05523
Underflow	-1
Overflow	0



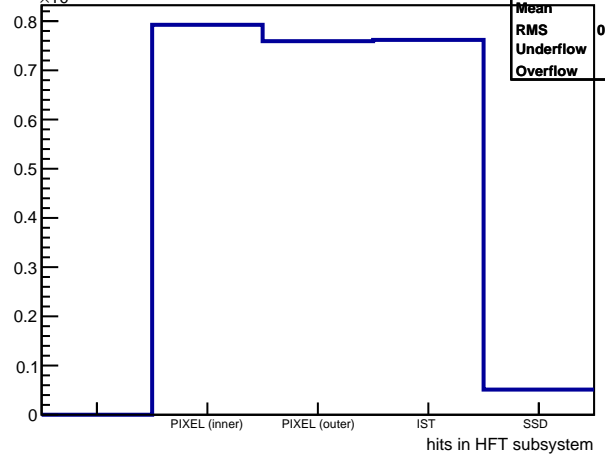
StE IST: Hits per global track

StEQaGtrkIstHit	
Entries	391156
Mean	0.0007618
RMS	0.02823
Underflow	-1
Overflow	0

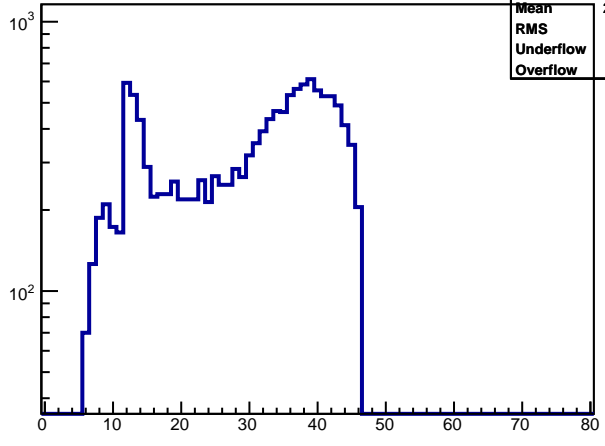


StE HFT: Hits per global track

StEQaGtrkHftHit	
Entries	782919
Mean	2.03
RMS	0.8619
Underflow	-1
Overflow	0

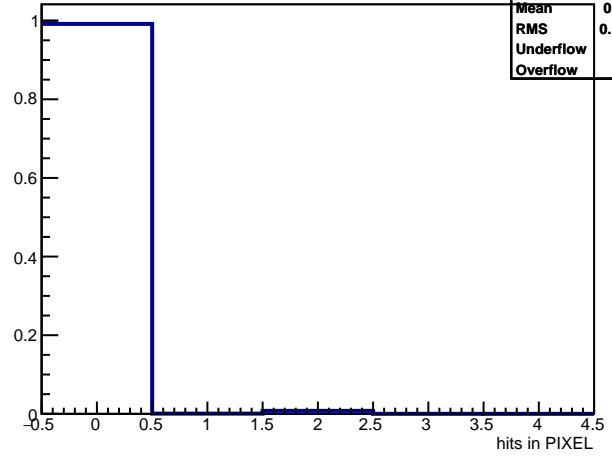


StE primtrk: N fit pnts on trk, tpc



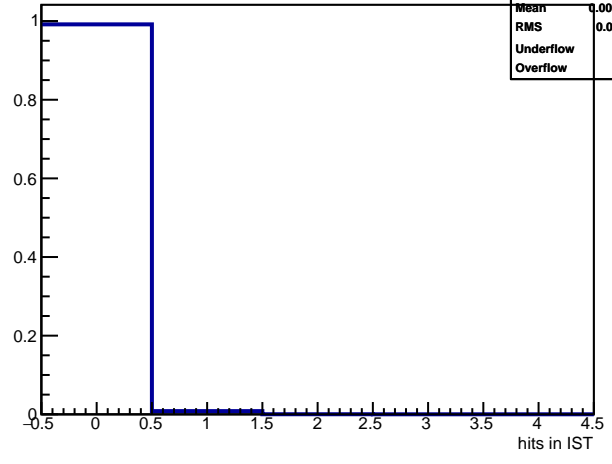
StEQaPtrkNPntFitT	
Entries	13950
Mean	29.07
RMS	11.4
Underflow	0
Overflow	0

StE PIXEL: Hits per primary track



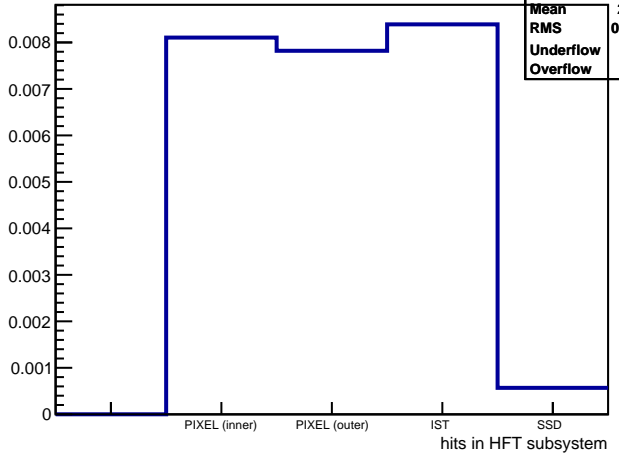
StEQaPtrkPxIHit	
Entries	14066
Mean	0.016
RMS	0.1771
Underflow	-1
Overflow	0

StE IST: Hits per primary track



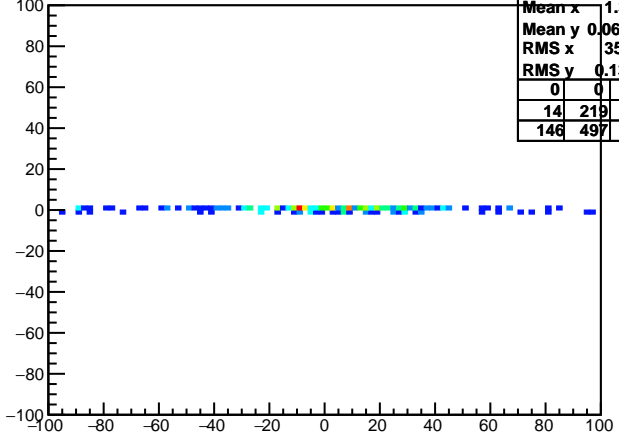
StEQaPtrkIstHit	
Entries	14066
Mean	0.008389
RMS	0.09275
Underflow	-1
Overflow	0

StE HFT: Hits per primary track



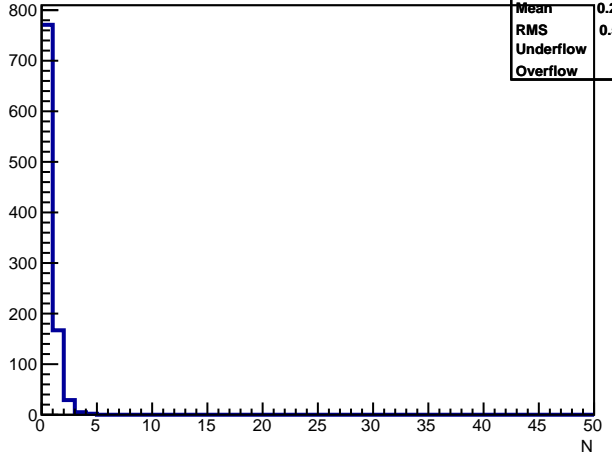
StEQaPtrkHftHit	
Entries	28356
Mean	2.057
RMS	0.8666
Underflow	-1
Overflow	0

StE VPD vtxz vs TPC vtxz



StEQaTofVpdZvsTpcZ		
Entries	974	
Mean x	1.305	
Mean y	0.06338	
RMS x	35.35	
RMS y	0.1382	
0	0	0
14	219	17
146	497	81

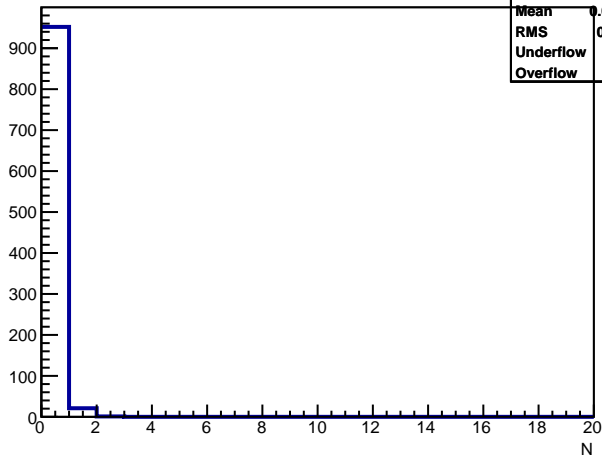
StE Number of MTD hits per event



StEQaMtdNHits	
Entries	974
Mean	0.2546
RMS	0.5521
Underflow	0
Overflow	0

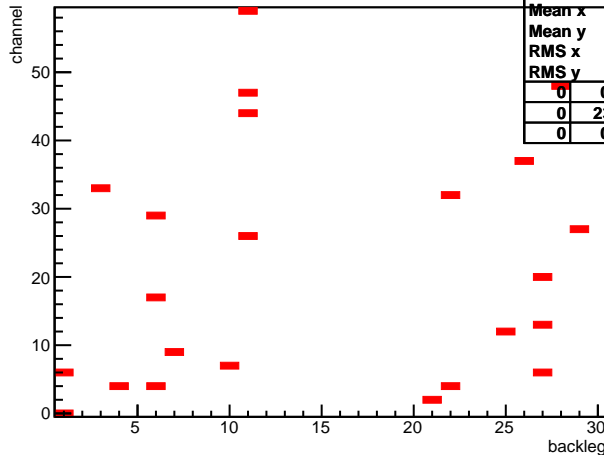
StE Number of matched MTD hits per event

StEQaMtdNMatchHits	
Entries	974
Mean	0.02361
RMS	0.1585
Underflow	0
Overflow	0



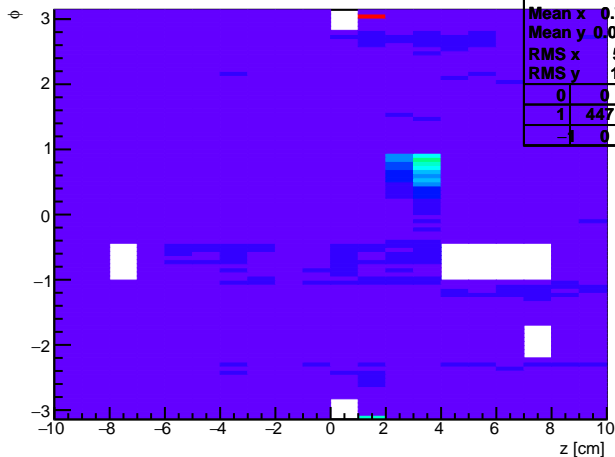
StE MTD: channel vs backlog of matched hits

StEQaMtdMatchHitMap		
Entries	23	
Mean x	14.87	
Mean y	21.13	
RMS x	9.79	
RMS y	17	
0	0	0
0	23	0
0	0	0



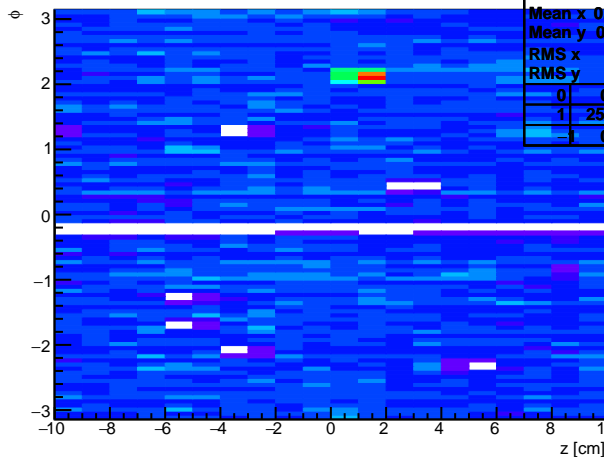
StE PIXEL: hits vs phi vs z in inner layer (per event)

StEQaPxIHtPhivsZPx1		
Entries	439653	
Mean x	0.7082	
Mean y	0.06424	
RMS x	5.341	
RMS y	1.773	
0	0	0
1	447	1
-1	0	0



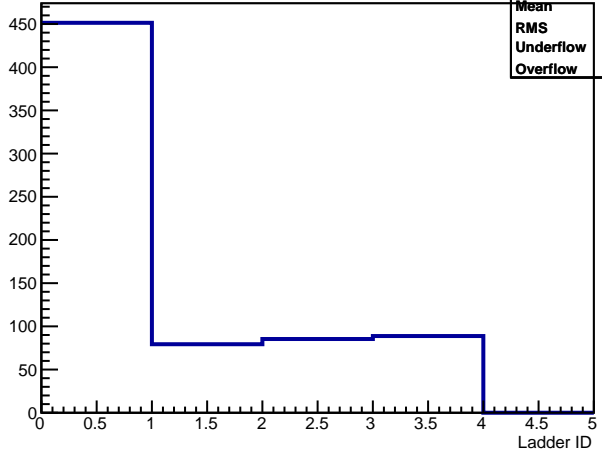
StE PIXEL: hits vs phi vs z in outer layer (per event)

StEQaPxIHtPhivsZPx2		
Entries	246876	
Mean x	0.01039	
Mean y	0.05811	
RMS x	5.678	
RMS y	1.857	
0	0	0
1	251	1
-1	0	0

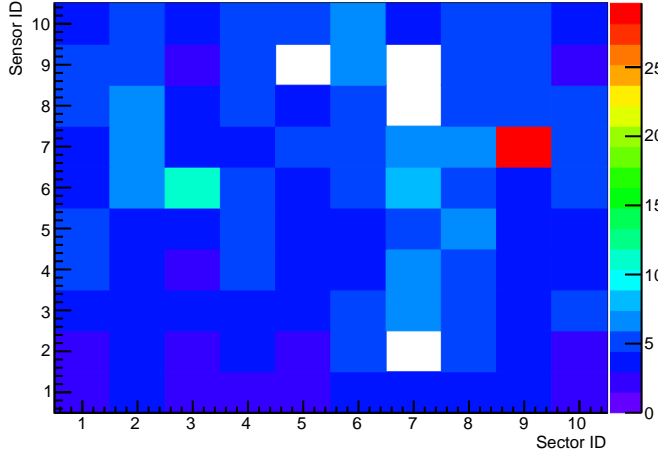


StE PIXEL: hits per ladder (per event)

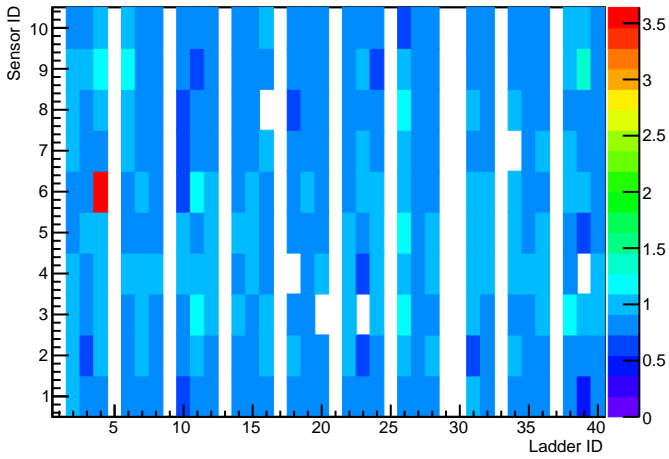
StEQaPxIHtvsLadder	
Entries	38960
Mean	1.233
RMS	1.093
Underflow	-1
Overflow	0



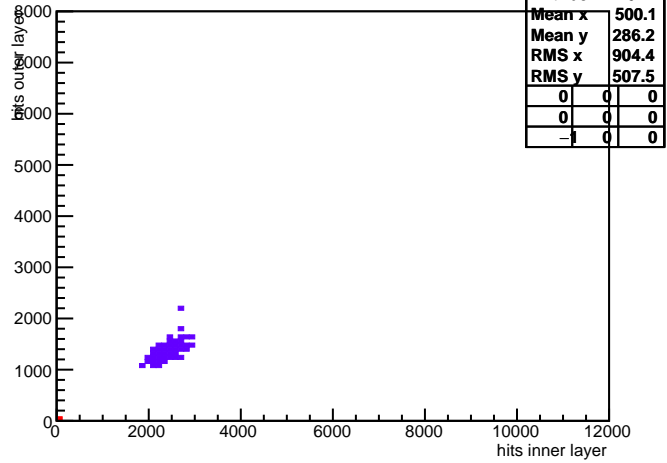
StE PIXEL: hits vs sector vs sensor in inner layer (per event)



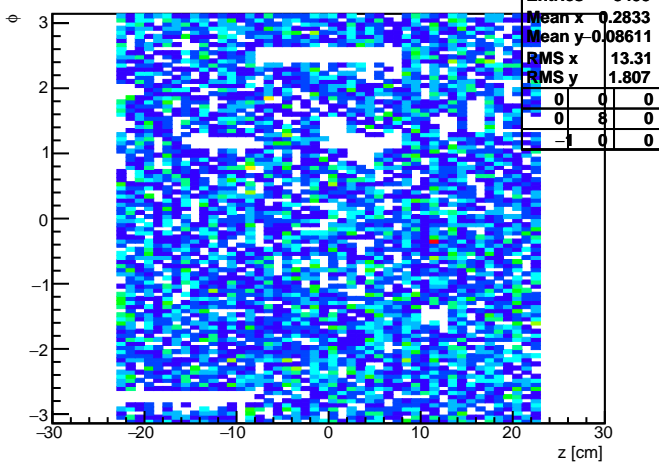
StE PIXEL: hits vs ladder vs sensor in outer layer (per event)



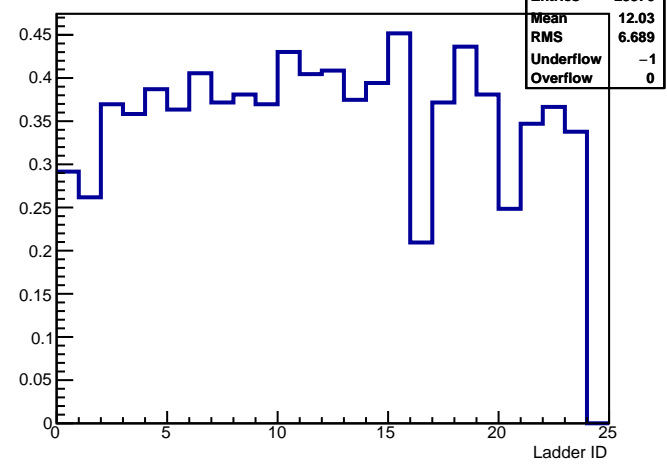
StE PIXEL: Hits in inner vs outer layer (per event)



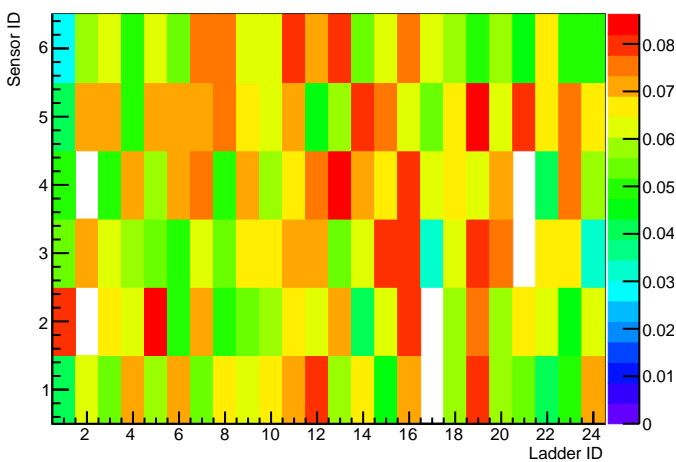
StE IST: Hits vs phi vs z (per event)



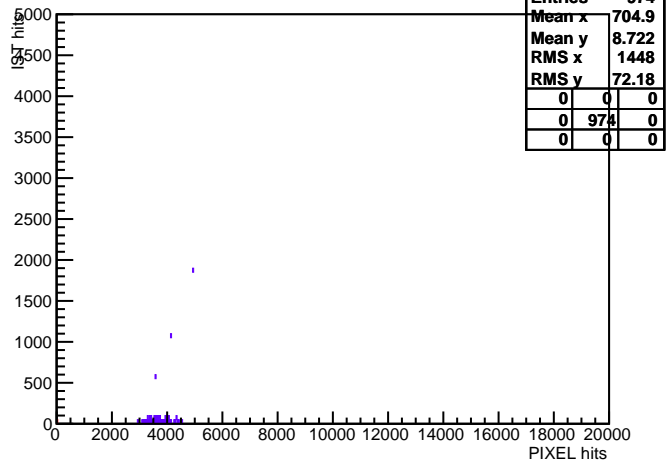
StE IST: Hits per ladder (per event)



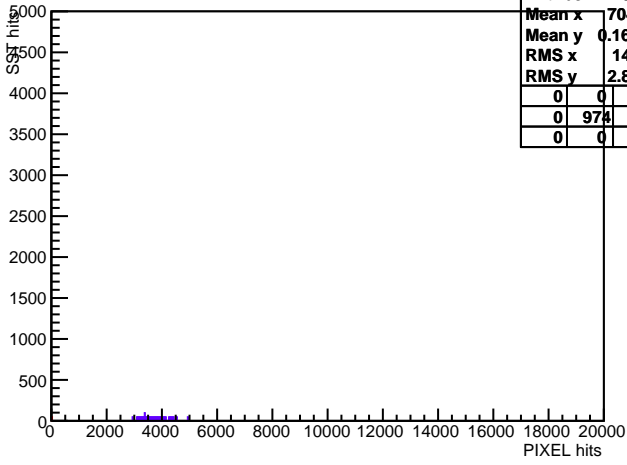
StE IST: Hits vs ladder vs sensor (per event)



StE PIXEL hits vs IST hits

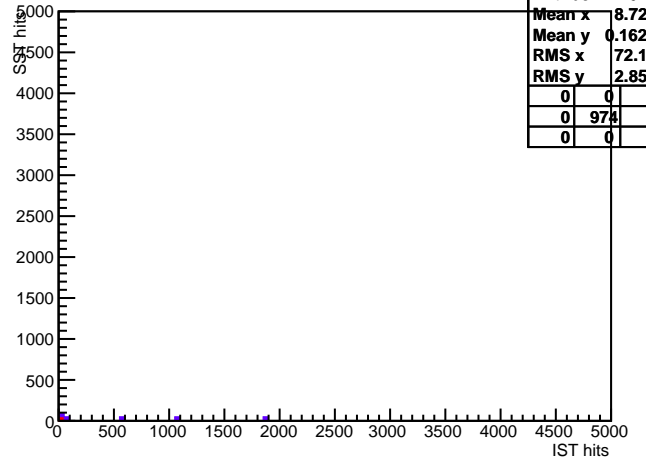


StE PIXEL hits vs SST hits



StEQaPxIvsSstHit		
Entries	974	
Mean x	704.9	
Mean y	0.1622	
RMS x	1448	
RMS y	2.853	
0	0	0
0	974	0
0	0	0

StE IST hits vs SST hits



StEQaIstvsSsdHit		
Entries	974	
Mean x	8.722	
Mean y	0.1622	
RMS x	72.18	
RMS y	2.853	
0	0	0
0	974	0
0	0	0