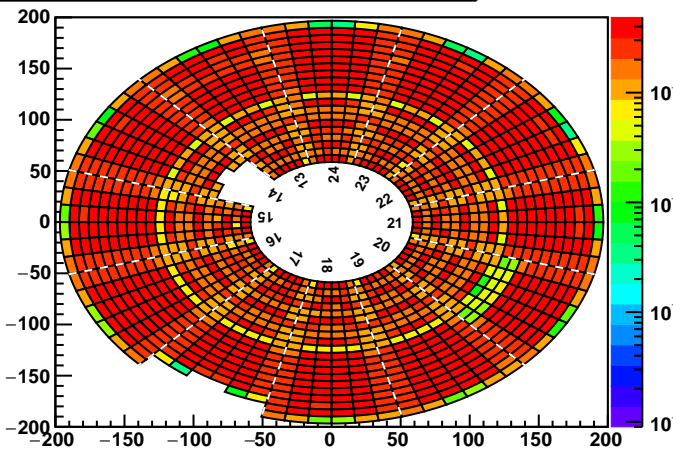
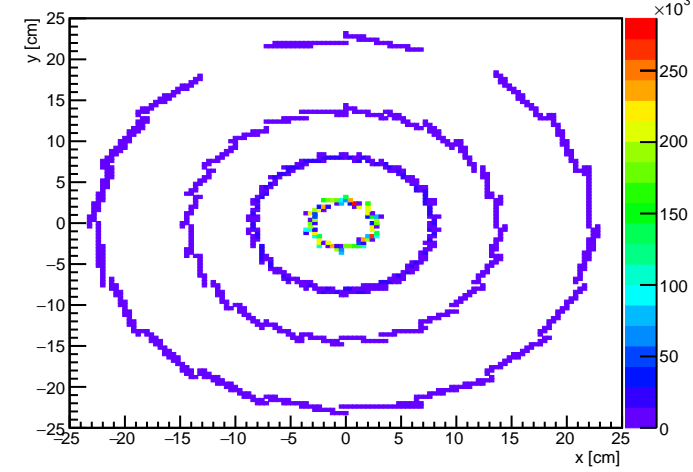


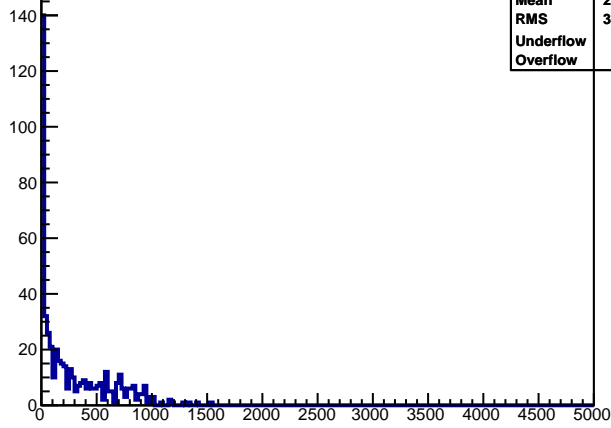
StE point: r-phi distribution of charge, tpcE



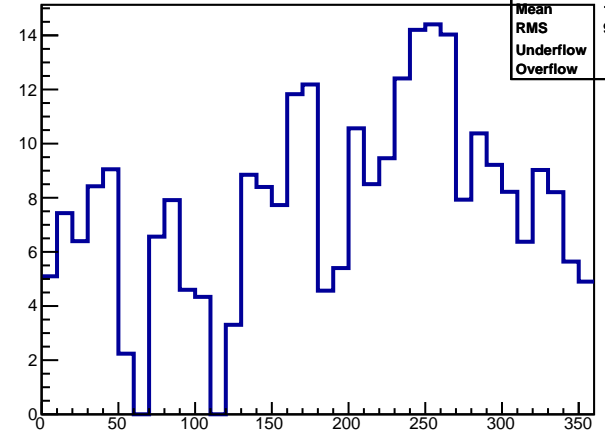
PIXEL, IST, SSD: Distribution of hits in XY



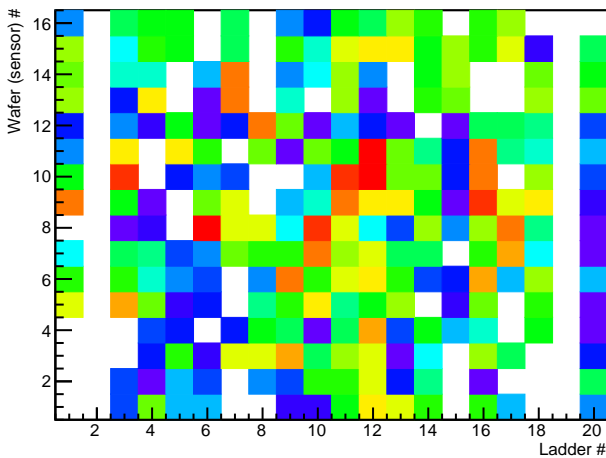
StE point: # hits sst



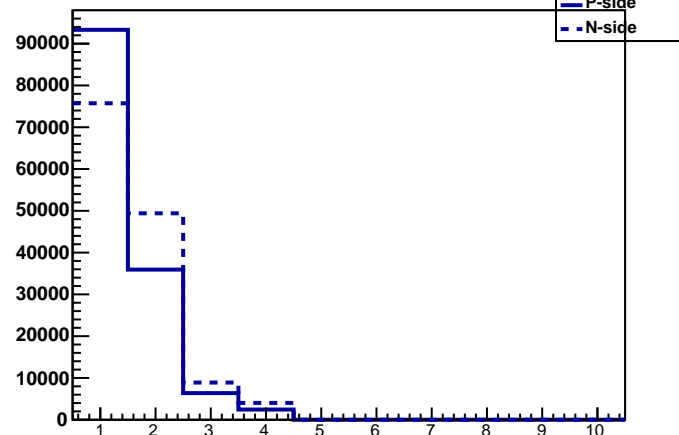
StE SST:  $\phi$  of hits (per event)



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

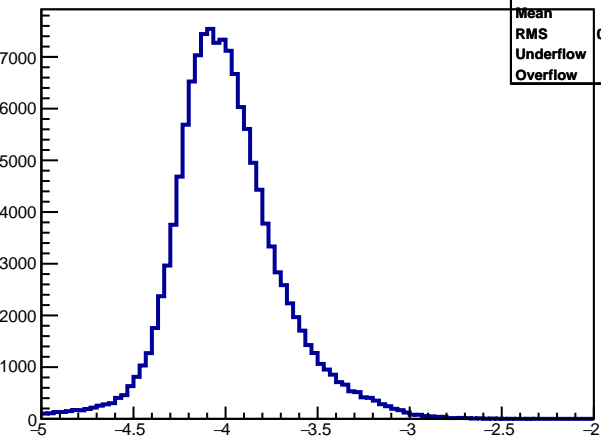


StE SST: size of clusters



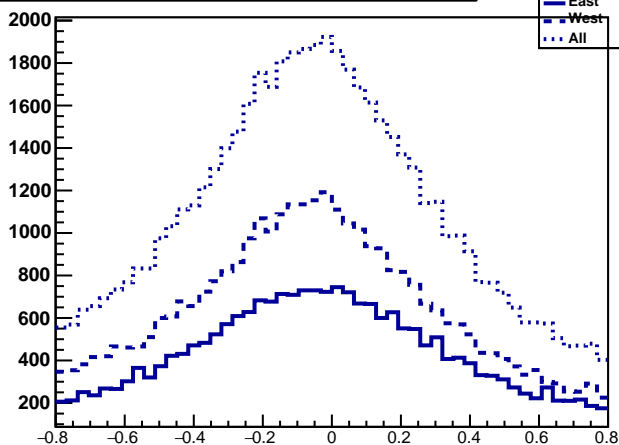
StE SST: log10(energy) of hits

StEQaPointESST	
Entries	138064
Mean	-3.99
RMS	0.2898
Underflow	3031
Overflow	0



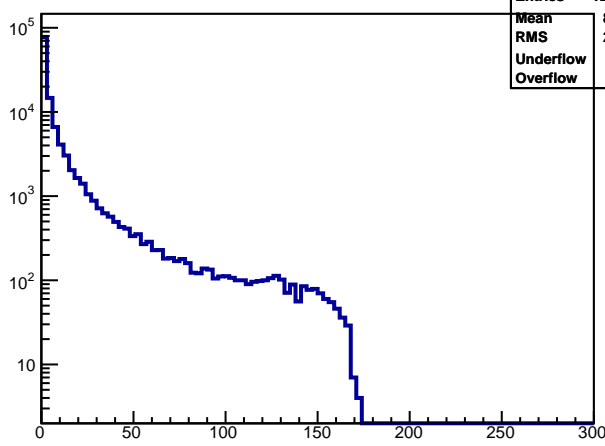
StE globtrk: signed impact param from prim vtx, tpc

Legend	
—	East
- - -	West
...	All



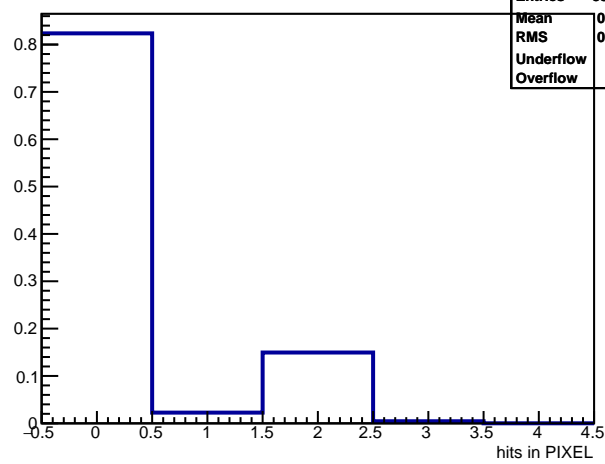
StE globtrk: impact param from prim vtx, tpc

StEQaGtrkImpactrT	
Entries	121147
Mean	8.416
RMS	20.14
Underflow	0
Overflow	0



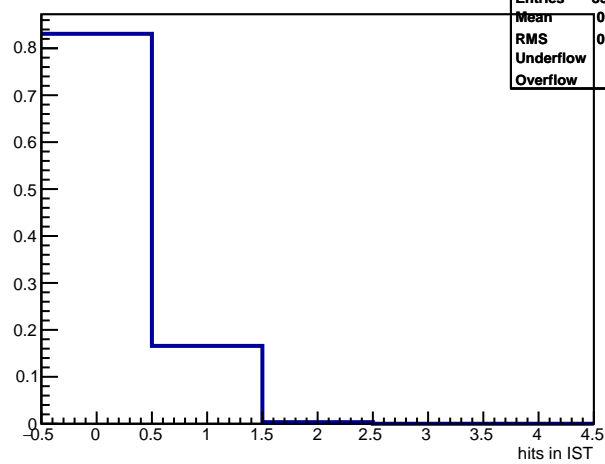
StE PIXEL: Hits per global track

StEQaGtrkPxHit	
Entries	858379
Mean	0.3345
RMS	0.7399
Underflow	-1
Overflow	0



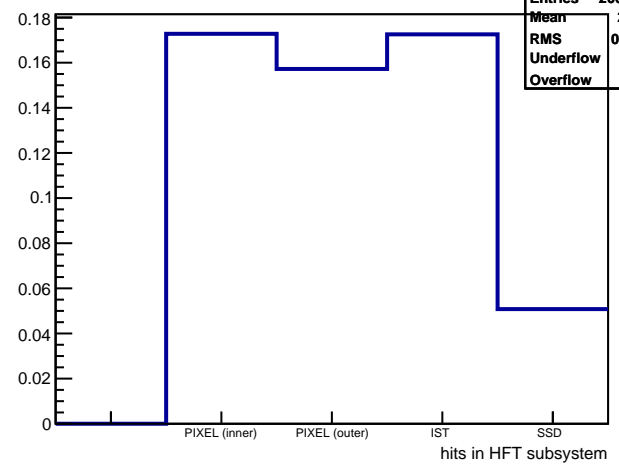
StE IST: Hits per global track

StEQaGtrkIstHit	
Entries	858379
Mean	0.1726
RMS	0.3867
Underflow	-1
Overflow	0



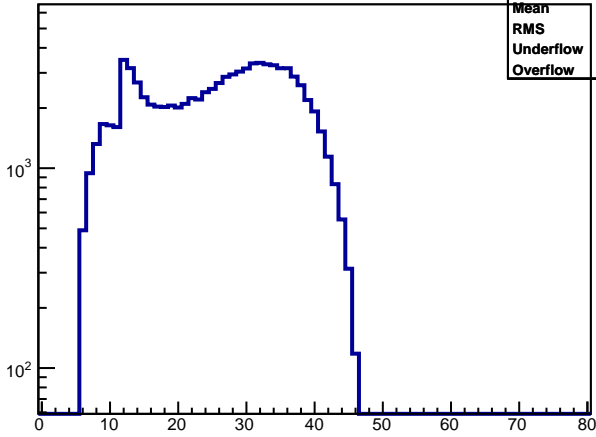
StE HFT: Hits per global track

StEQaGtrkHftHit	
Entries	2000036
Mean	2.183
RMS	0.9786
Underflow	-1
Overflow	0



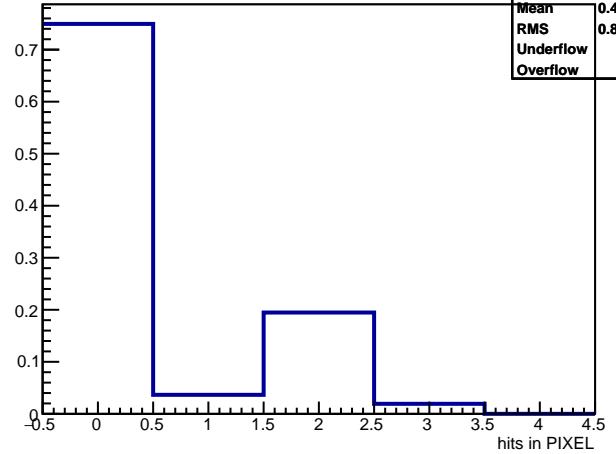
StE primtrk: N fit pnts on trk, tpc

StEQaPtrkNPntFitT	
Entries	89285
Mean	25.74
RMS	9.94
Underflow	0
Overflow	0



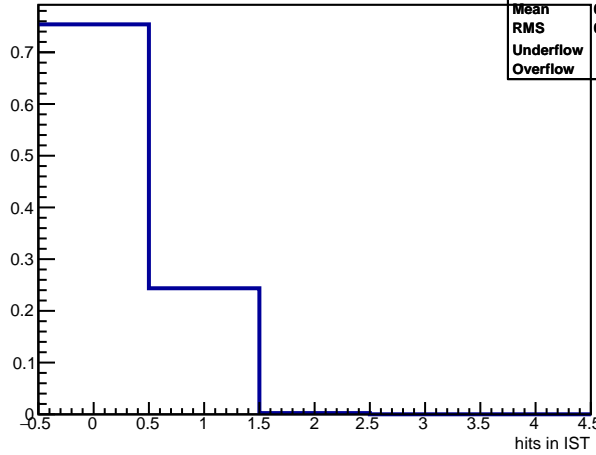
StE PIXEL: Hits per primary track

StEQaPtrkPxIHit	
Entries	119155
Mean	0.4838
RMS	0.8688
Underflow	-1
Overflow	0



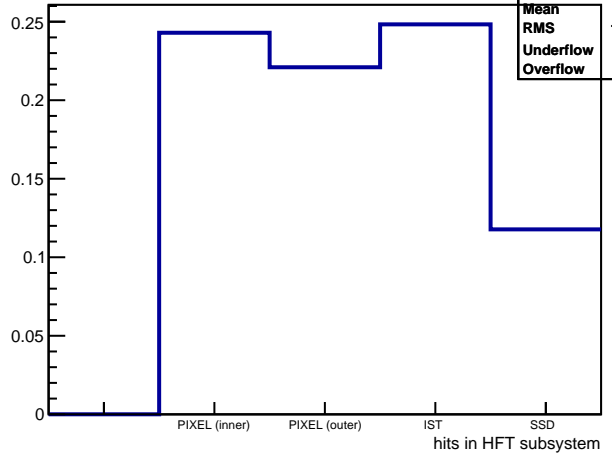
StE IST: Hits per primary track

StEQaPtrkIstHit	
Entries	119155
Mean	0.2483
RMS	0.4373
Underflow	-1
Overflow	0



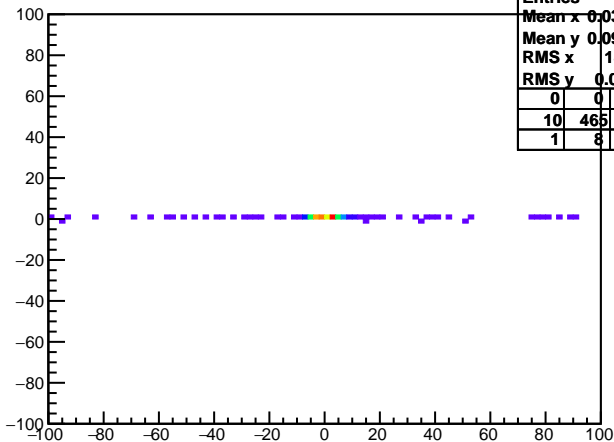
StE HFT: Hits per primary track

StEQaPtrkHftHit	
Entries	293592
Mean	2.29
RMS	1.037
Underflow	-1
Overflow	0



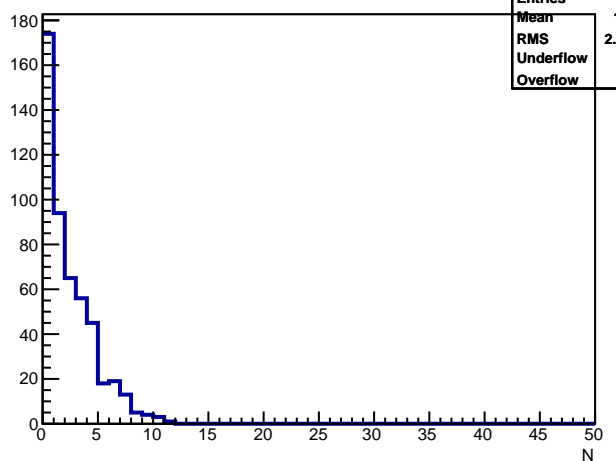
StE VPD vtxz vs TPC vtxz

StEQaTofVpdZvsTpcZ		
Entries	497	
Mean x	0.03444	
Mean y	0.09736	
RMS x	18.85	
RMS y	0.0302	
0	0	0
10	46	12
1	8	1



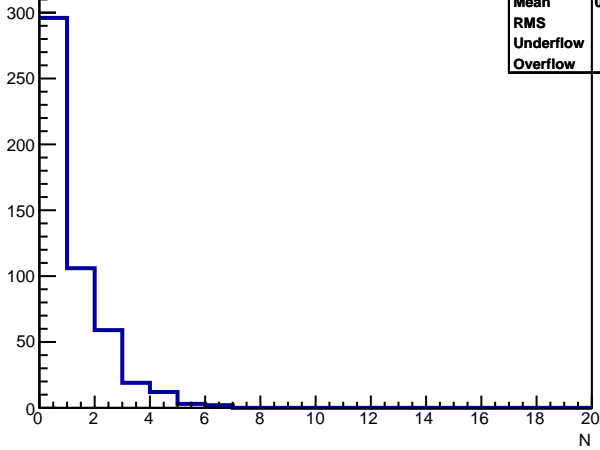
StE Number of MTD hits per event

StEQaMtdNHits	
Entries	497
Mean	1.98
RMS	2.227
Underflow	0
Overflow	0



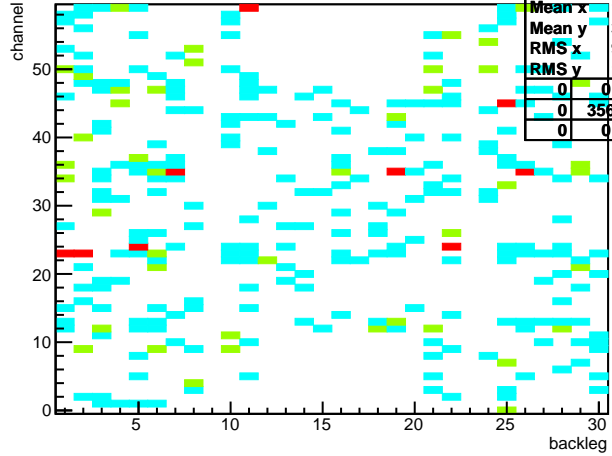
StE Number of matched MTD hits per event

StEQaMtdNMatchHits	
Entries	497
Mean	0.7163
RMS	1.096
Underflow	0
Overflow	0



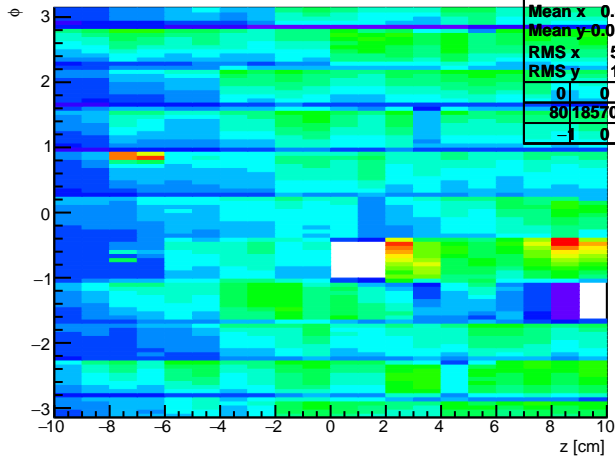
StE MTD: channel vs backlog of matched hits

StEQaMtdNMatchHitMap		
Entries	356	
Mean x	14.63	
Mean y	30.88	
RMS x	9.475	
RMS y	16.03	
0	0	0
0	356	0
0	0	0



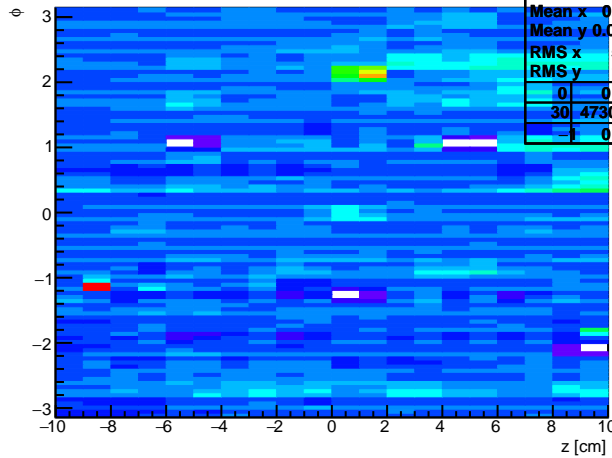
StE PIXEL: hits vs phi vs z in inner layer (per event)

StEQaPxIHtPhivsZPx1		
Entries	9293196	
Mean x	0.8105	
Mean y	0.03108	
RMS x	5.548	
RMS y	1.843	
0	0	0
80	18570	47
-1	0	0



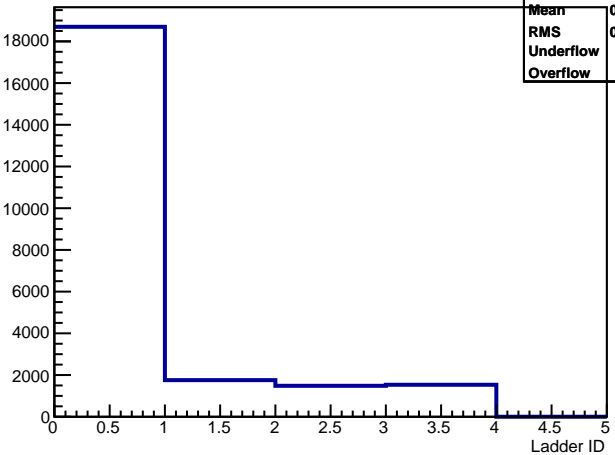
StE PIXEL: hits vs phi vs z in outer layer (per event)

StEQaPxIHtPhivsZPx2		
Entries	2371451	
Mean x	0.2486	
Mean y	0.08657	
RMS x	5.752	
RMS y	1.825	
0	0	0
30	4730	10
-1	0	0

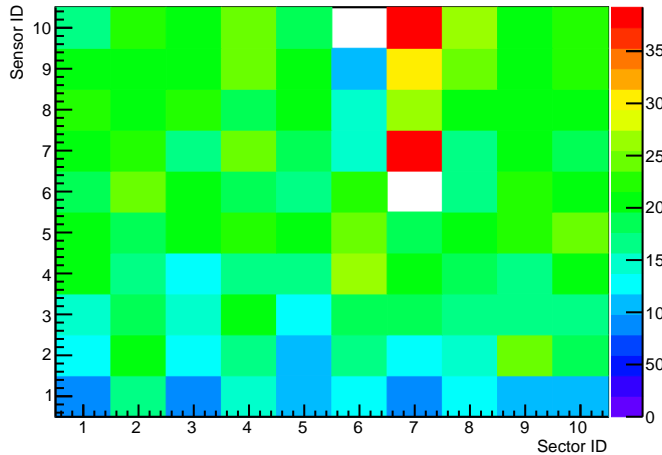


StE PIXEL: hits per ladder (per event)

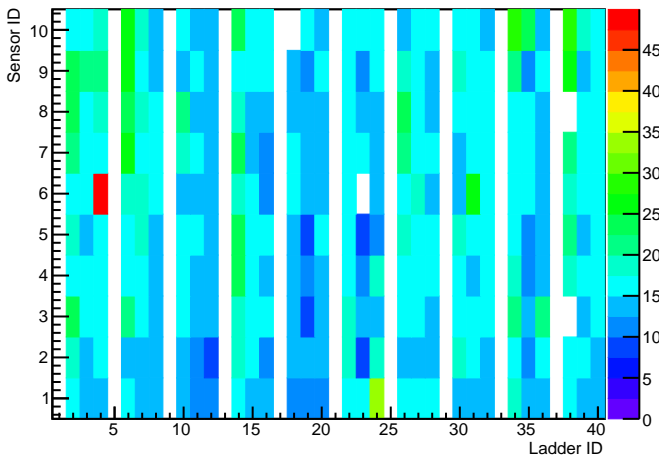
StEQaPxIHtvsLadder	
Entries	19880
Mean	0.8972
RMS	0.8705
Underflow	-1
Overflow	0



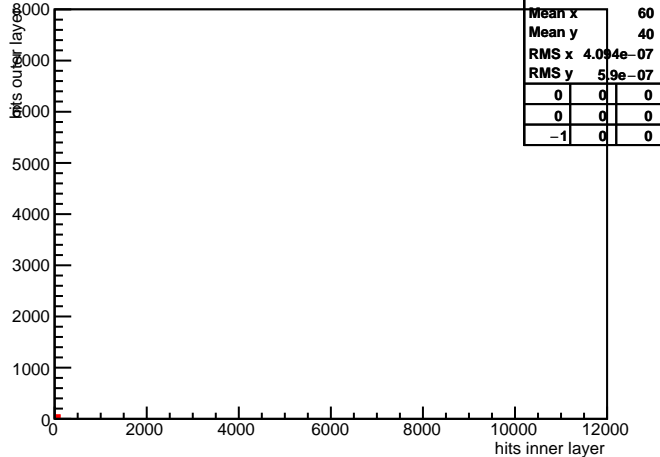
StE PIXEL: hits vs sector vs sensor in inner layer (per event)



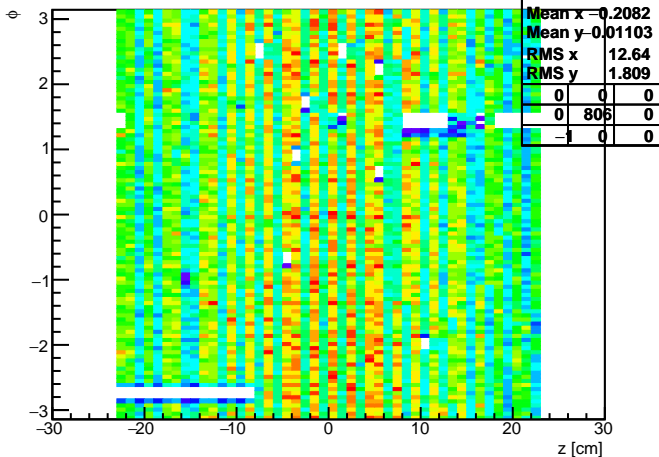
StE PIXEL: hits vs ladder vs sensor in outer layer (per event)



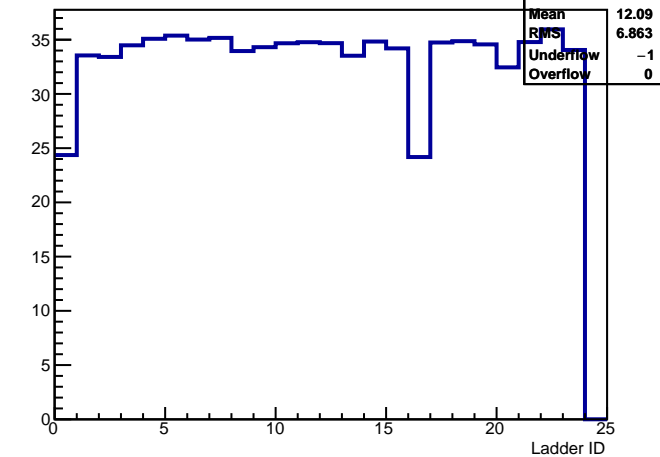
StE PIXEL: Hits in inner vs outer layer (per event)



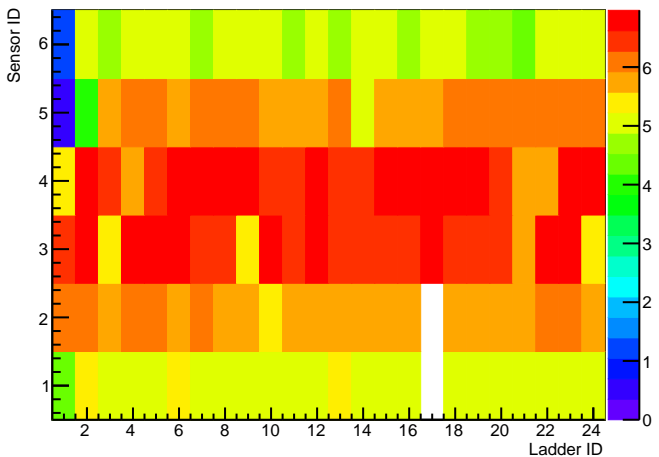
StE IST: Hits vs phi vs z (per event)



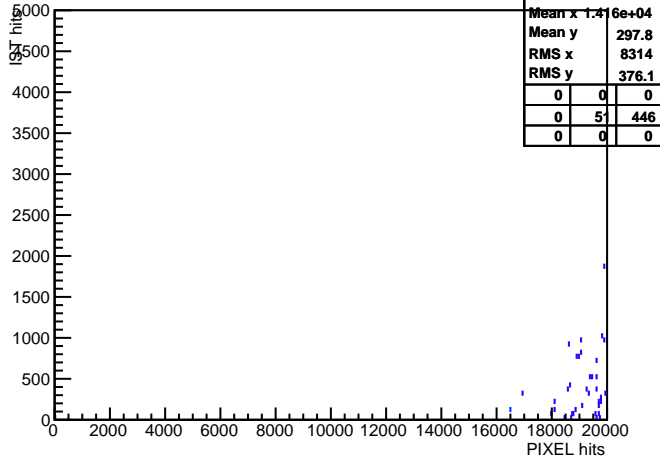
StE IST: Hits per ladder (per event)



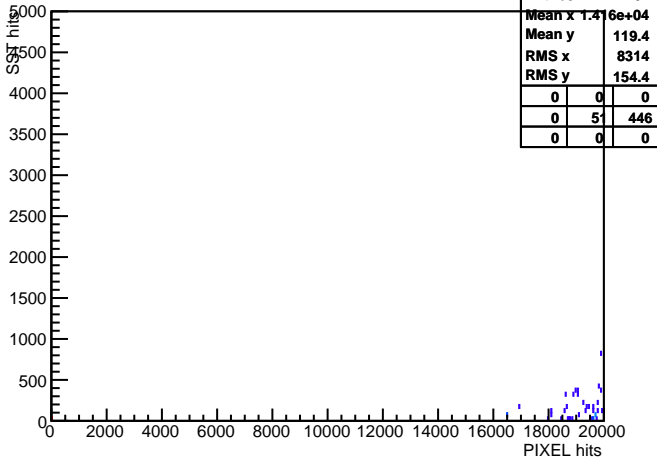
StE IST: Hits vs ladder vs sensor (per event)



StE PIXEL hits vs IST hits



StE PIXEL hits vs SST hits



StE IST hits vs SST hits

