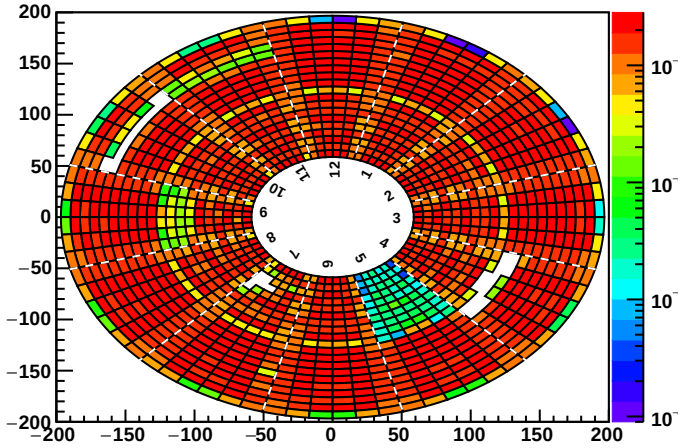
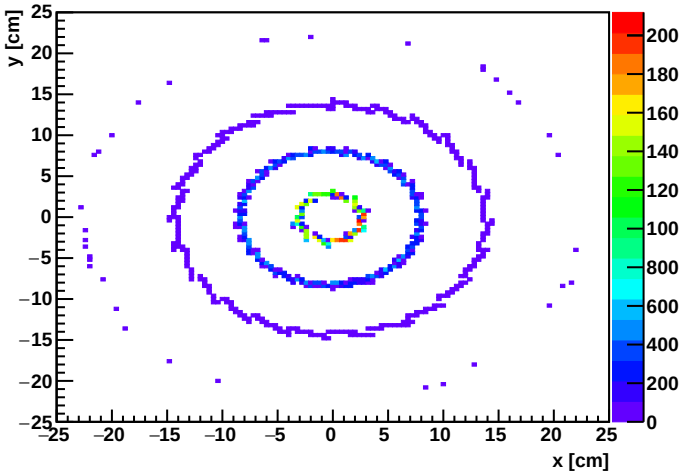
# QA plots for pp 200GeV run 2015 for SL18d library

General Hists

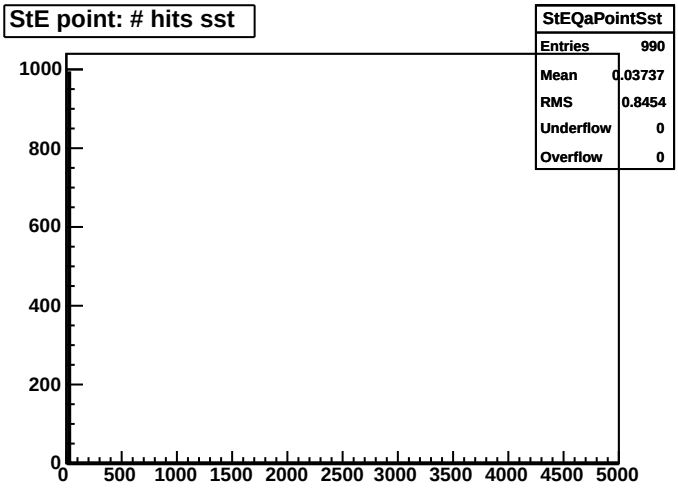
## StE point: r-phi distribution of charge, tpcE



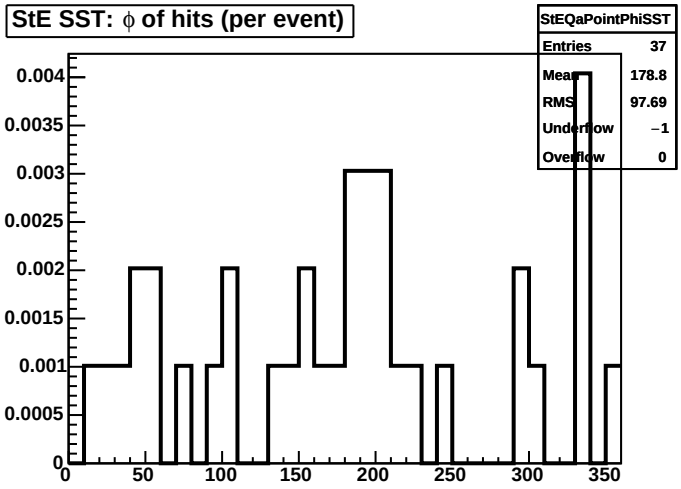
## PIXEL, IST, SSD: Distribution of hits in XY



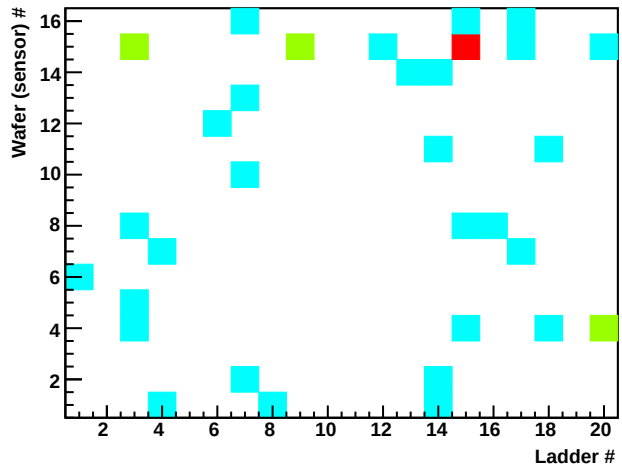

## StE point: # hits sst



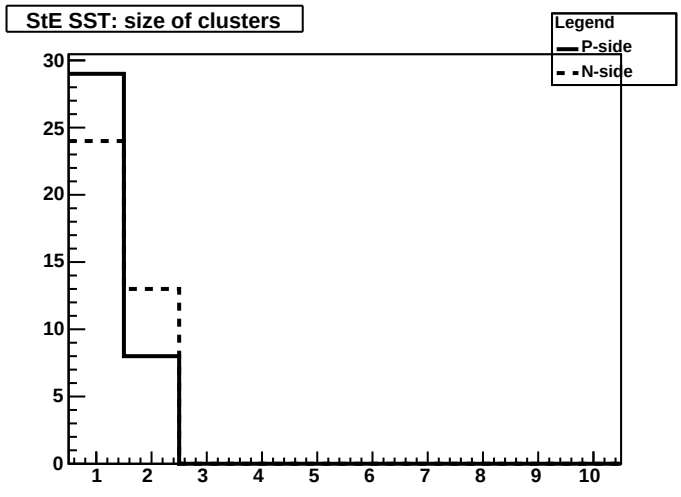

## StE SST: ϕ of hits (per event)




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




## StE SST: size of clusters



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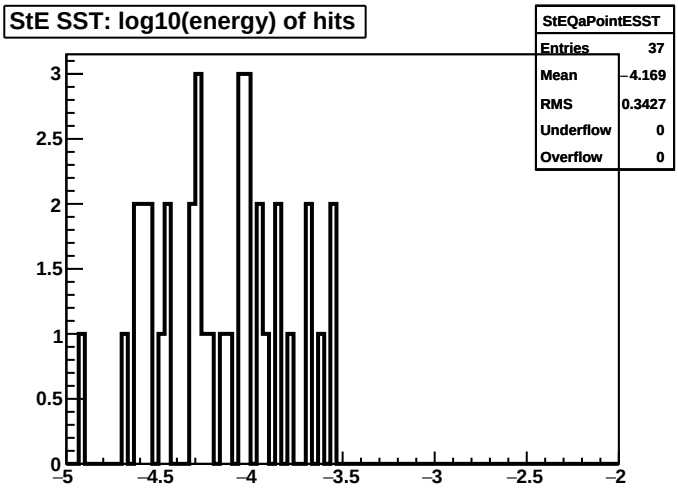
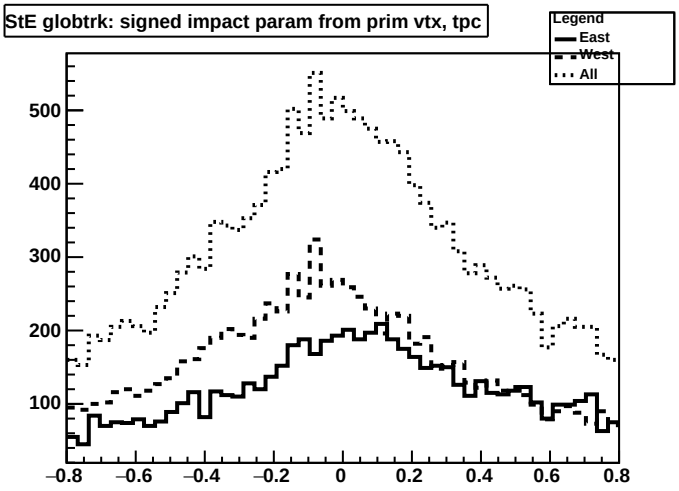
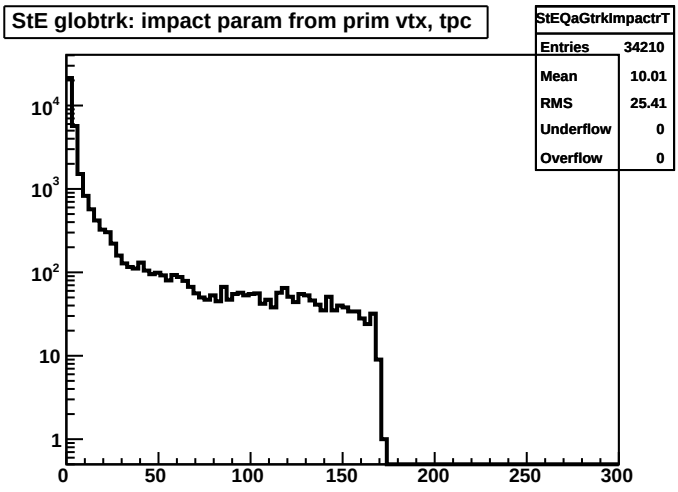
## StE SST: log10(energy) of hits



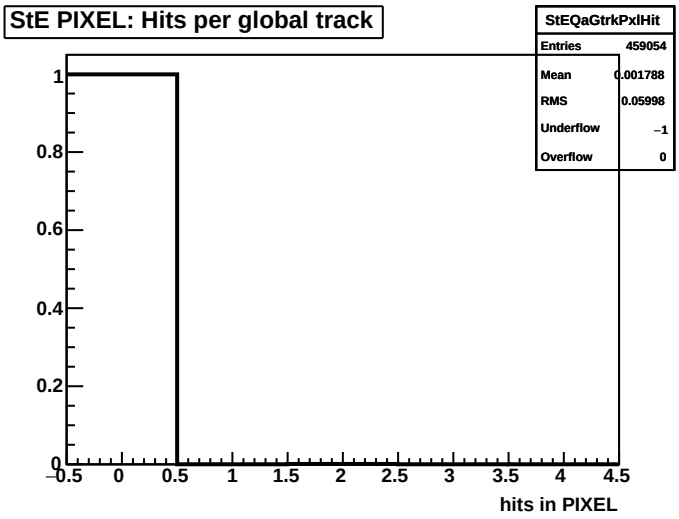

## StE globtrk: signed impact param from prim vtx, tpc



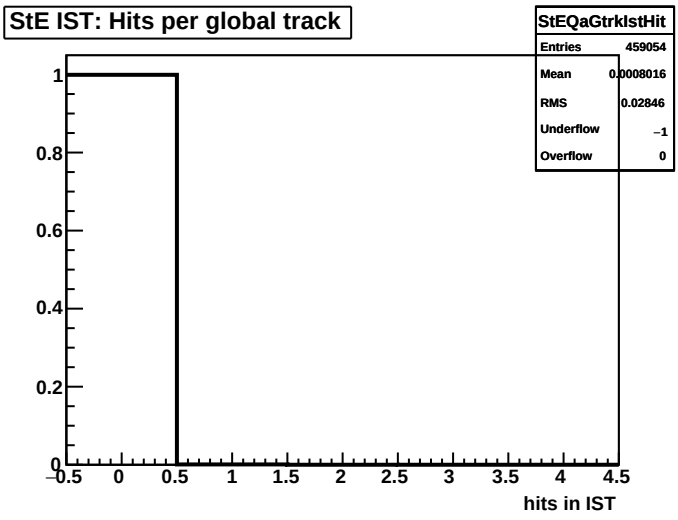

## StE globtrk: impact param from prim vtx, tpc



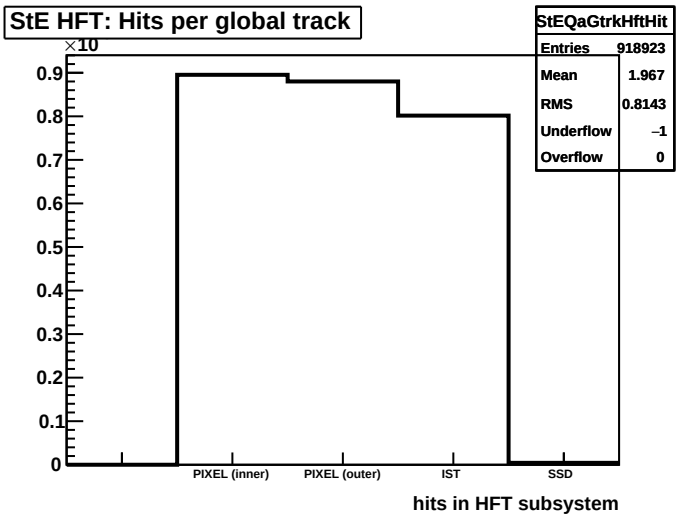

## StE PIXEL: Hits per global track




## StE IST: Hits per global track




## StE HFT: Hits per global track



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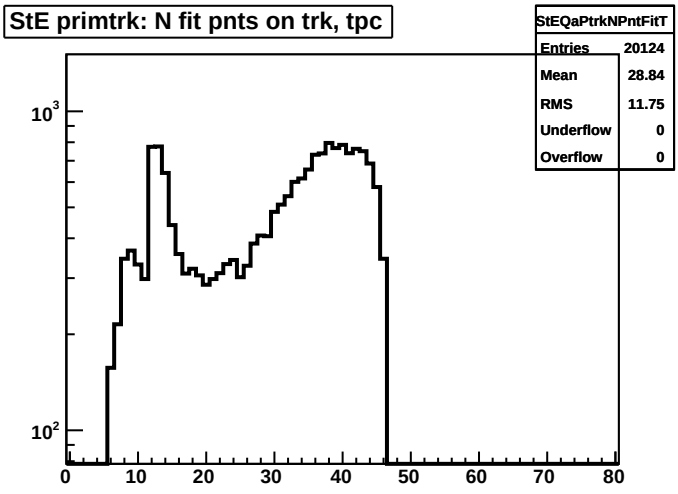
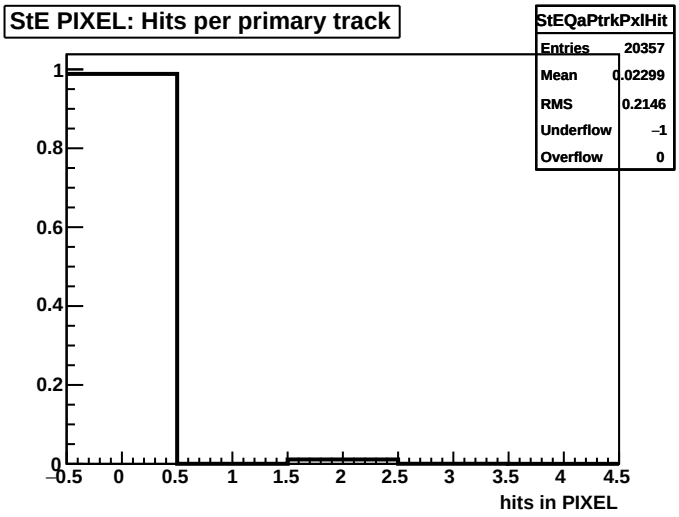
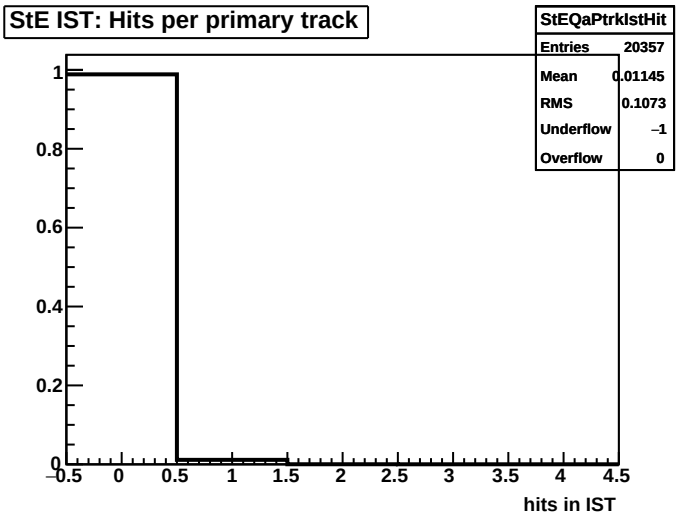
## StE primtrk: N fit pnts on trk, tpc



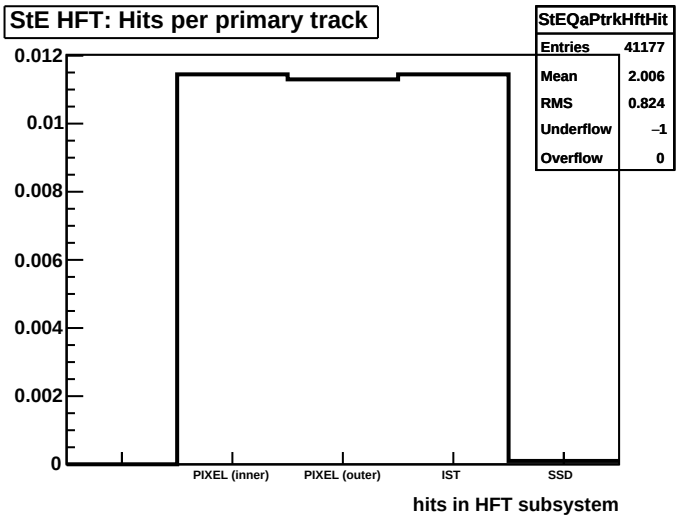

## StE PIXEL: Hits per primary track



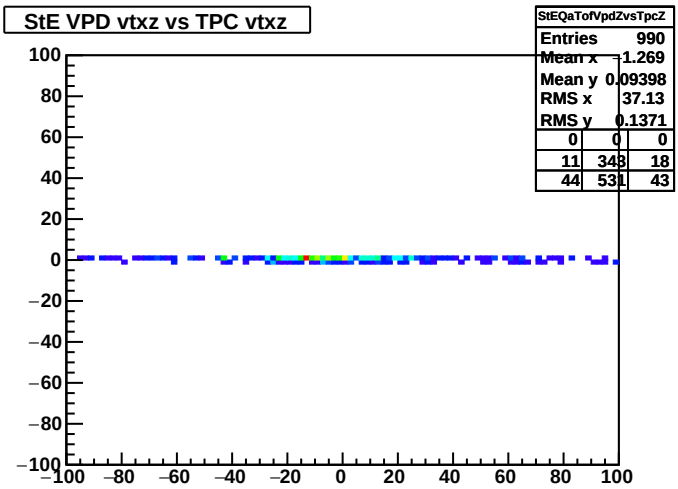

## StE IST: Hits per primary track



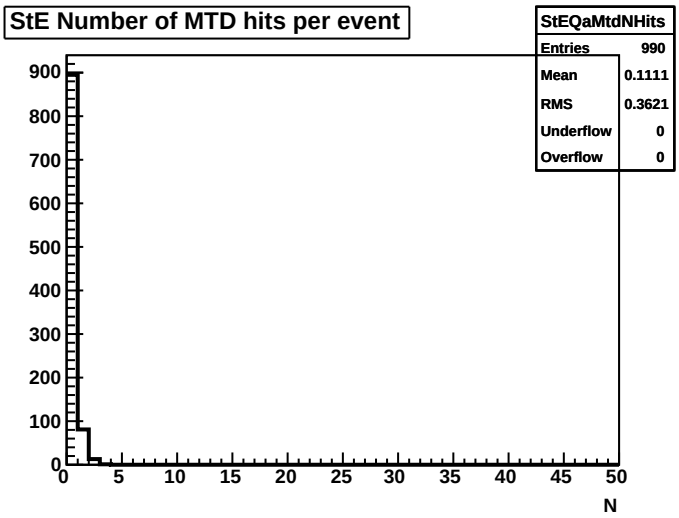

## StE HFT: Hits per primary track




## StE VPD vtxz vs TPC vtxz

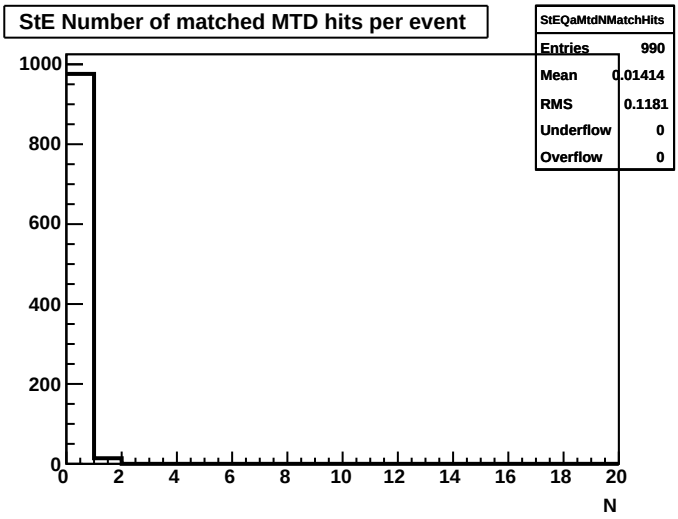



## StE Number of MTD hits per event

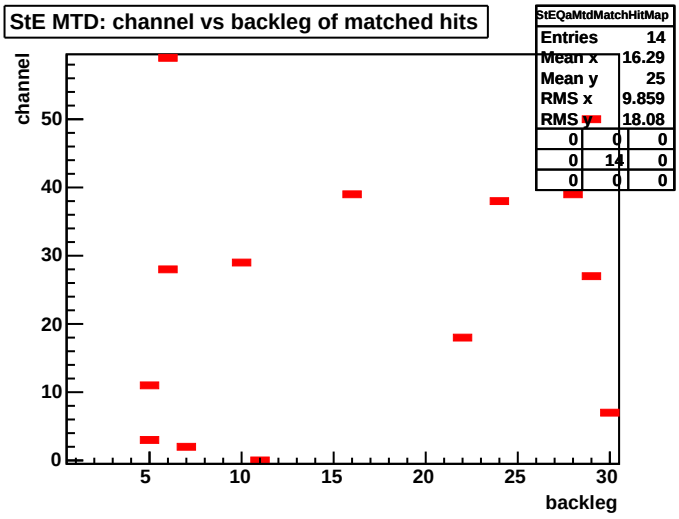


# QA plots for pp 200GeV run 2015 for SL18d library

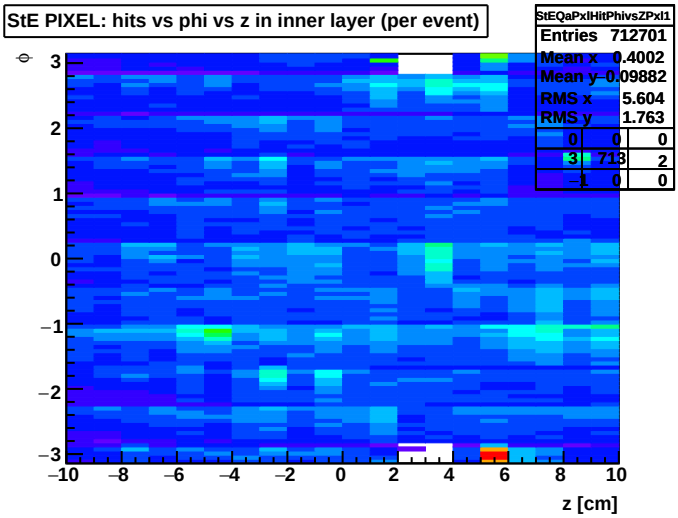
## StE Number of matched MTD hits per event



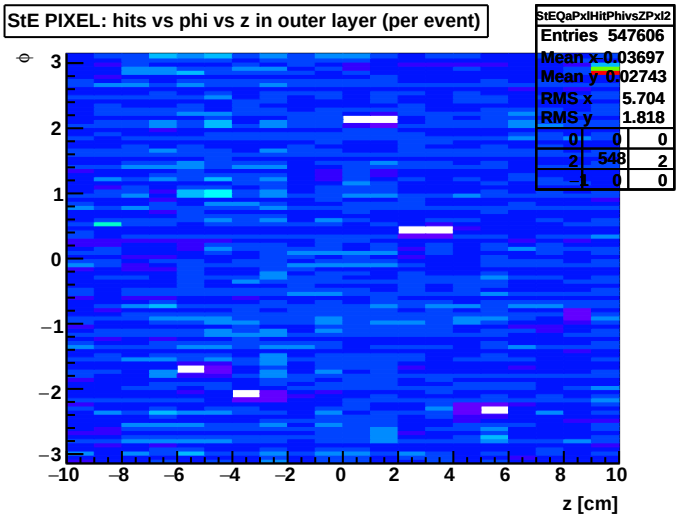

## StE MTD: channel vs backleg of matched hits



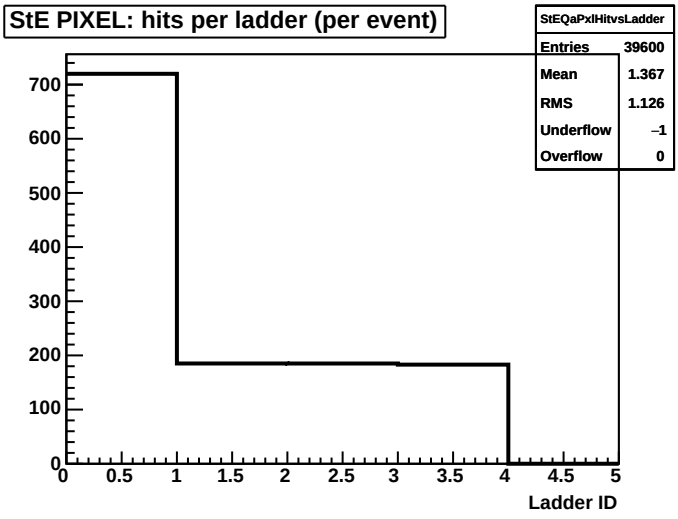

## StE PIXEL: hits vs phi vs z in inner layer (per event)



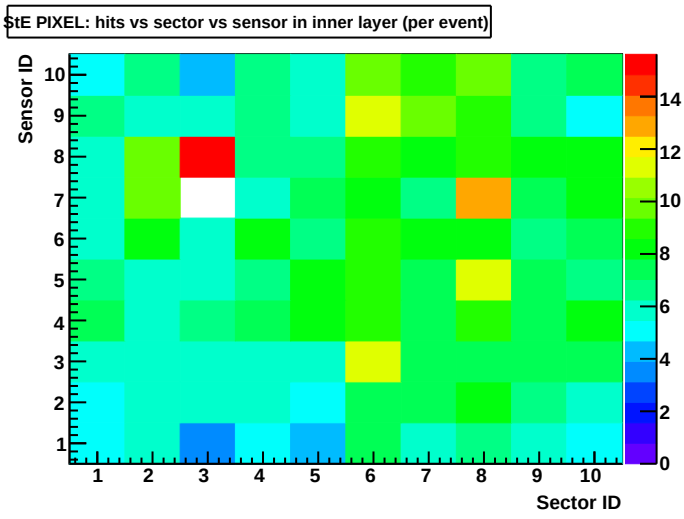

## StE PIXEL: hits vs phi vs z in outer layer (per event)




## StE PIXEL: hits per ladder (per event)




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



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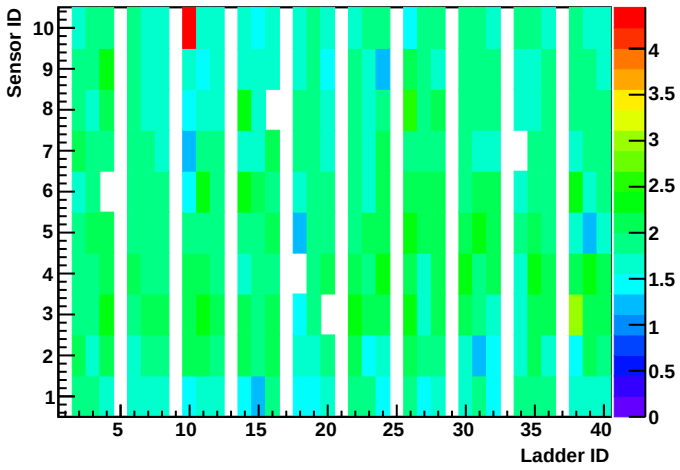
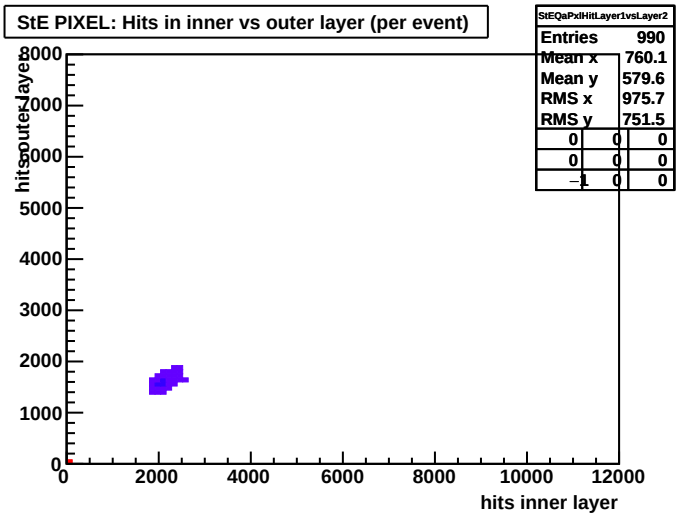
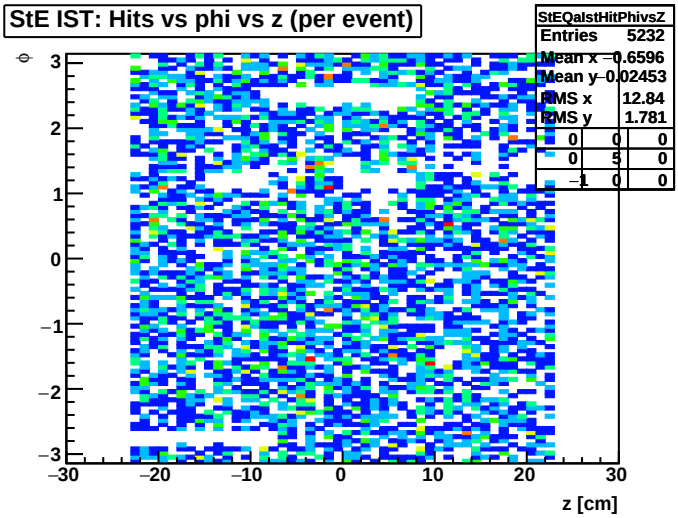
StE PIXEL: hits vs ladder vs sensor in outer layer (per event)



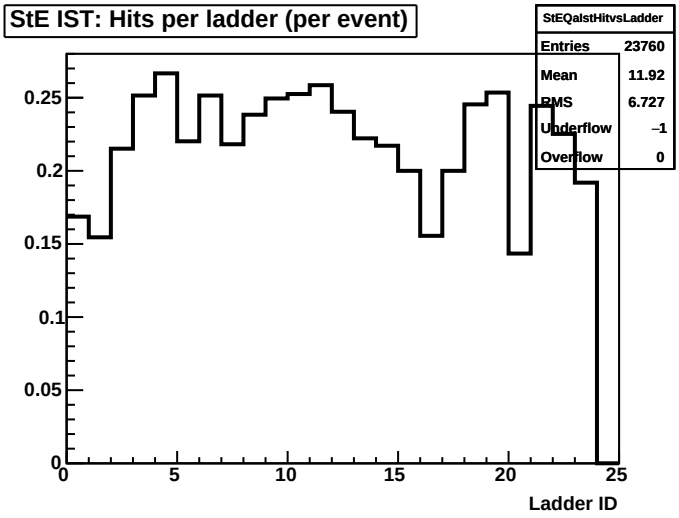

StE PIXEL: Hits in inner vs outer layer (per event)



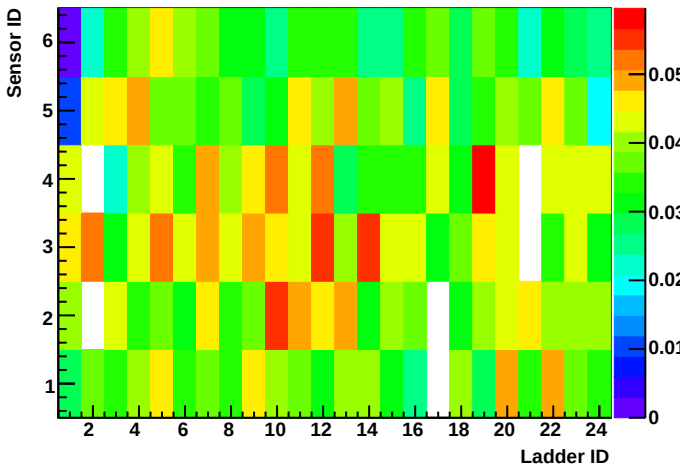

StE IST: Hits vs phi vs z (per event)



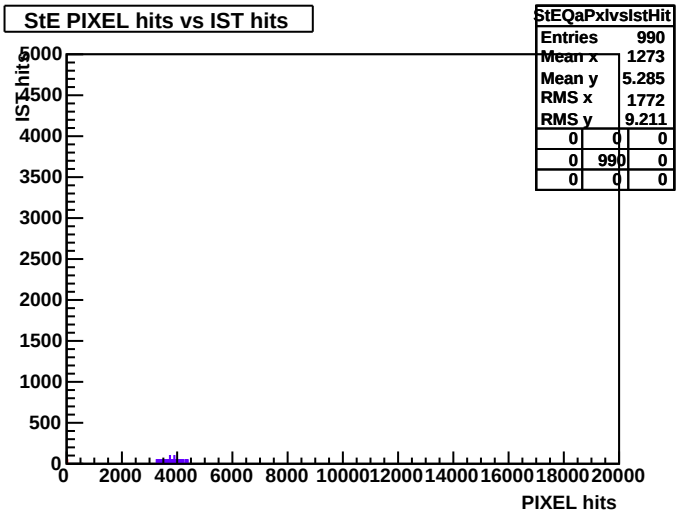

StE IST: Hits per ladder (per event)

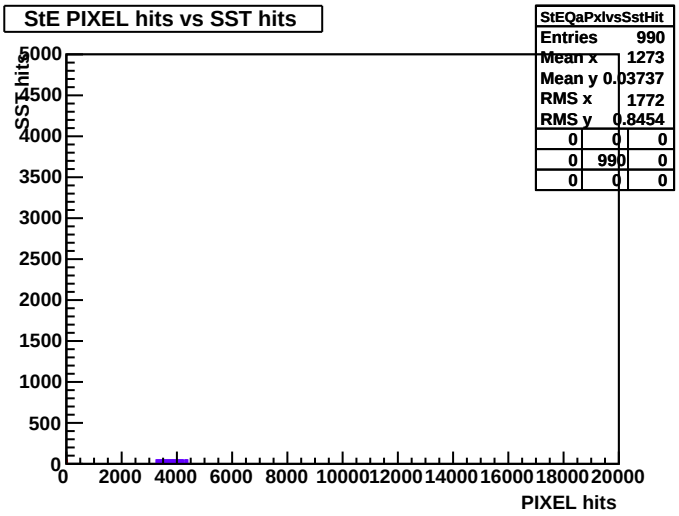


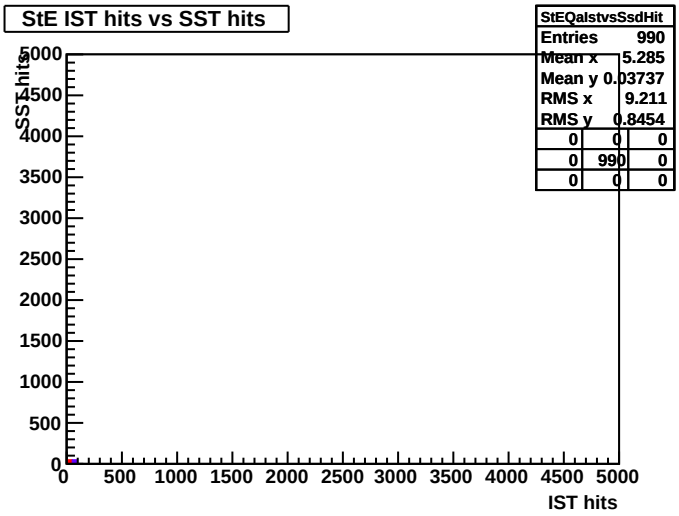

StE IST: Hits vs ladder vs sensor (per event)




StE PIXEL hits vs IST hits




StE PIXEL hits vs SST hits
StEQaPxlvsSstHit
Entries 990
Mean x 1273
Mean y 0.03737
RMS x 1772
RMS y 0.8454
SST hits
PIXEL hits


StE IST hits vs SST hits
StEQaIstvsSsdHit
Entries 990
Mean x 5.285
Mean y 0.03737
RMS x 9.211
RMS y 0.8454
SST hits
IST hits