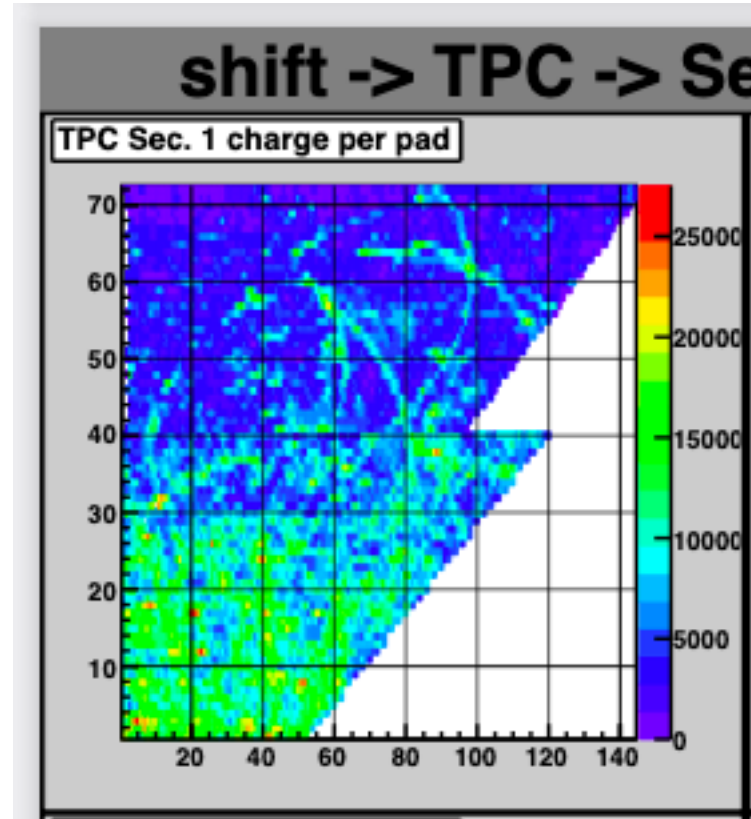


Suggestions for sTGC Monitoring Plots

Daniel Brandenburg

Online Plots

1. Signals for each readout
 - Integrate over time
 - Identify hot readout
 - Identify dead regions
 - Group by electronics



Online Plots

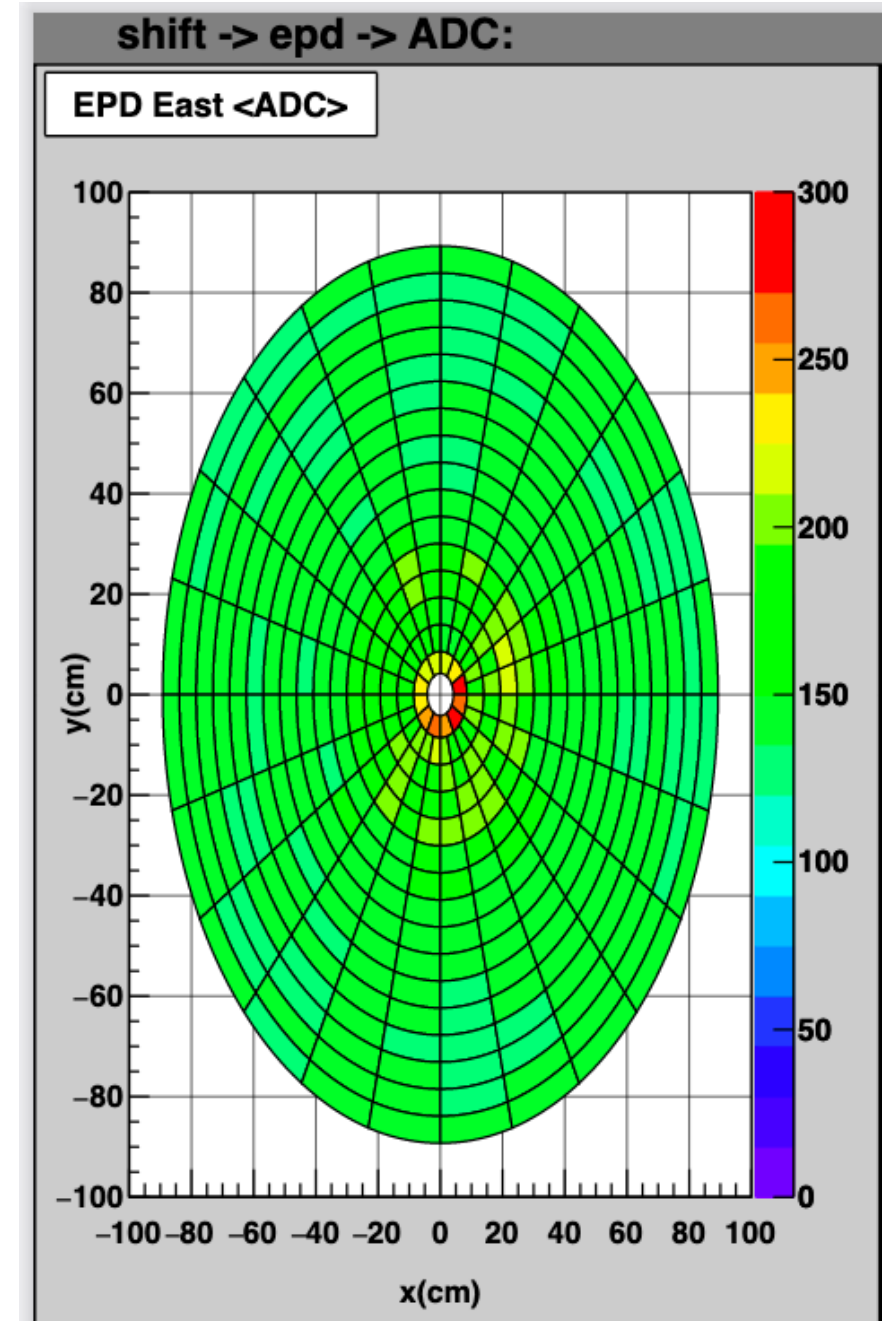
2. Hitmap from X&Y & diagonal hits

- EPD example -> hits in the coordinate system of detector (mapped from electronics to real cords)

3. If clusters are reconstructed online

- Cluster hitmap integrated over time

4. Cluster profile in X & Y and diagonal



HLT plots

1. Cluster reconstruction QA (either online or in HLT code)
2. Track seed From 4 disk hits.
 - # of track seeds per event
 - QA from the track seed Criteria
3. Full tracking with PV + FST + sTGC?
4. Calorimeter matching?

Discussion

- Additional online plots
- Additional HLT plots
- What is being used at SDU and in lab so far?
- Timeline