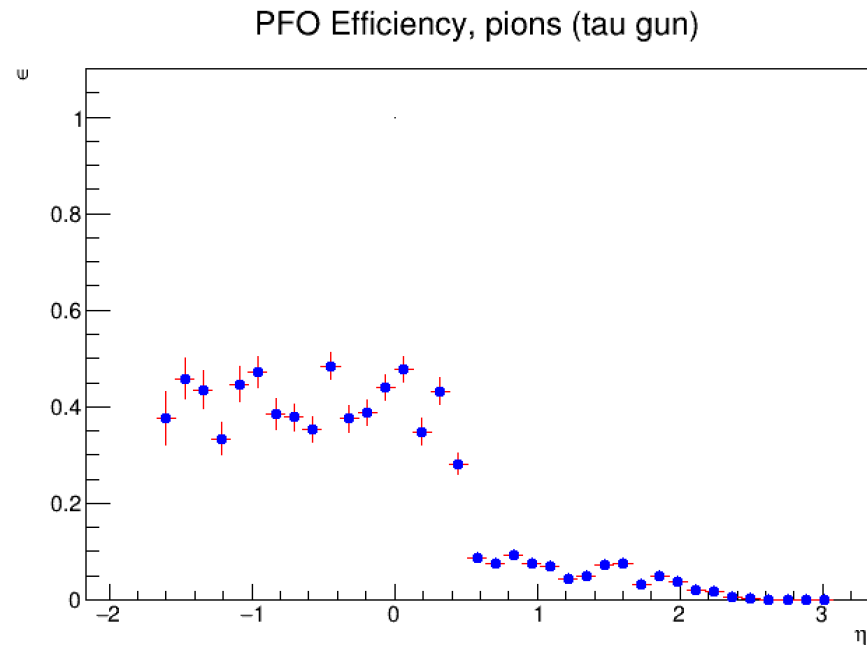


Updates 12/14

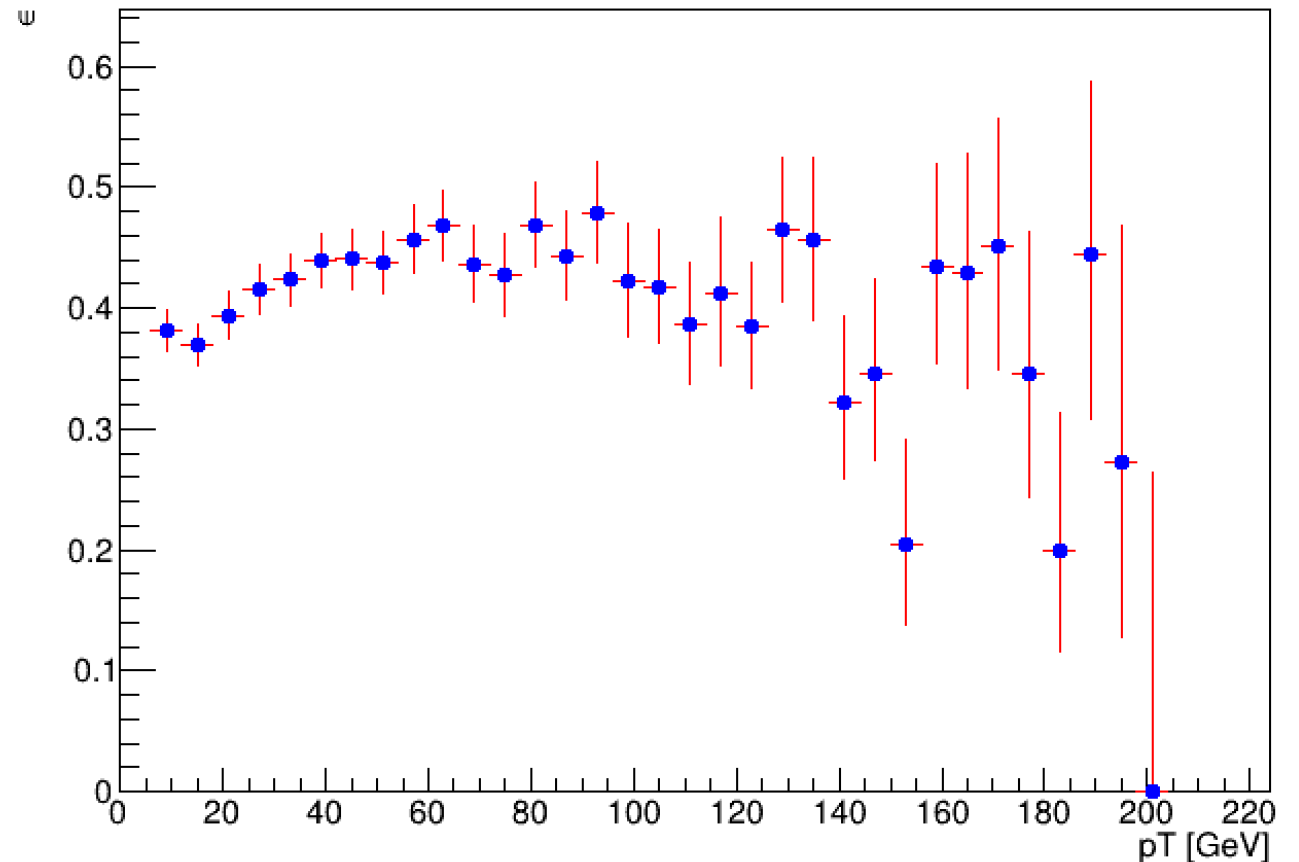
- Effect of ECAL, HCAL calibration on tau efficiency
- Cluster energy resolution
- Clustering efficiency vs p_T , η
- Unusual event displays

Slight improvement after ECAL calibration

- Latest charged pion efficiency
- Improvement especially in low-pT
- Peaking around ~45%
- Seems like lack of HCAL calibration now posing the biggest problem...

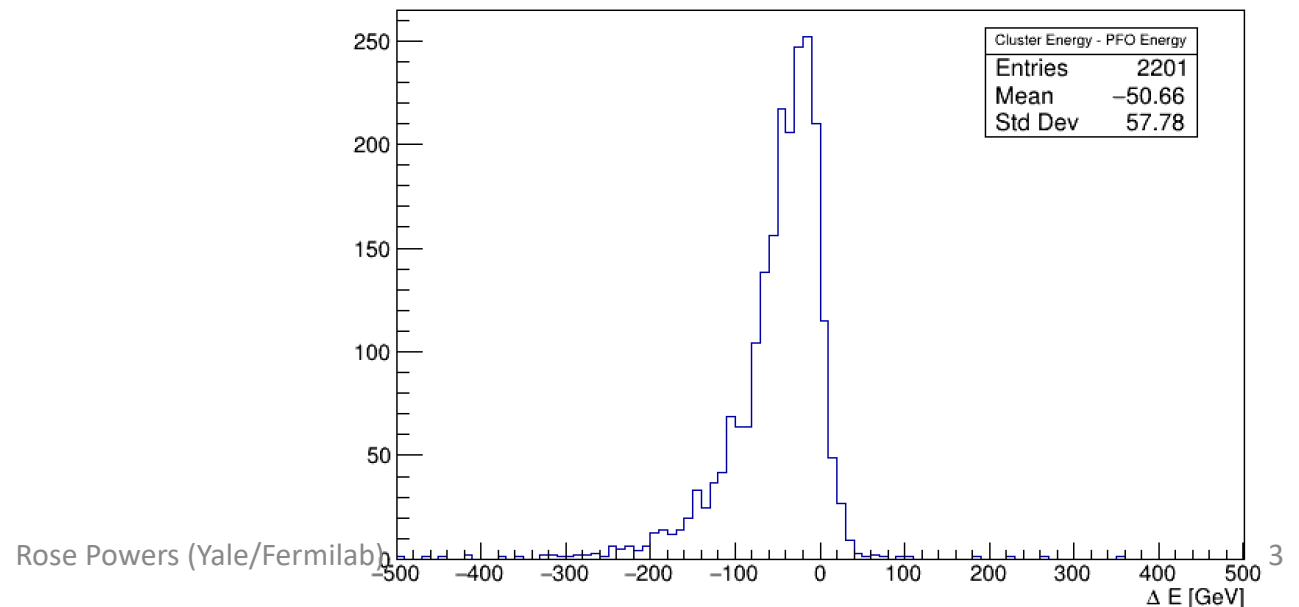


PFO Efficiency, pions (tau gun)



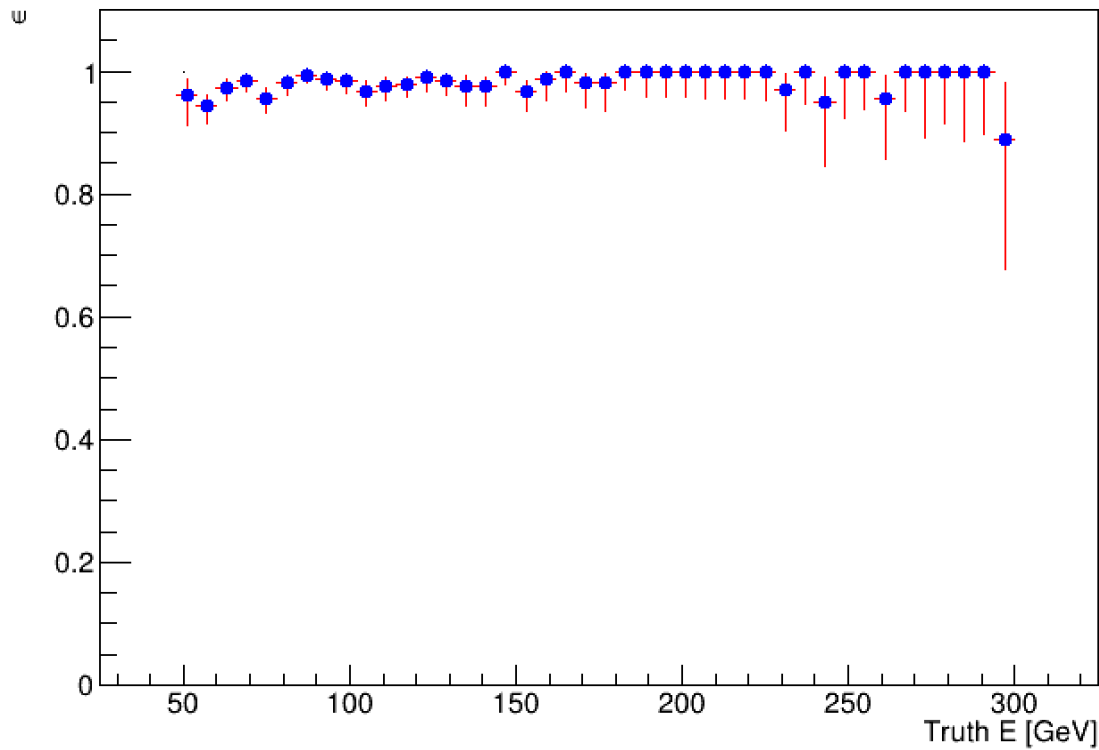
Poor cluster energy resolution - HCAL

- Reconstructed charged PFOs are taking their energy from the pT of the track, not the cluster
- “Neutrals” (objects not matched to tracks) therefore have horrible energy resolution
- Eager to see the effect of HCAL calib on pion eff

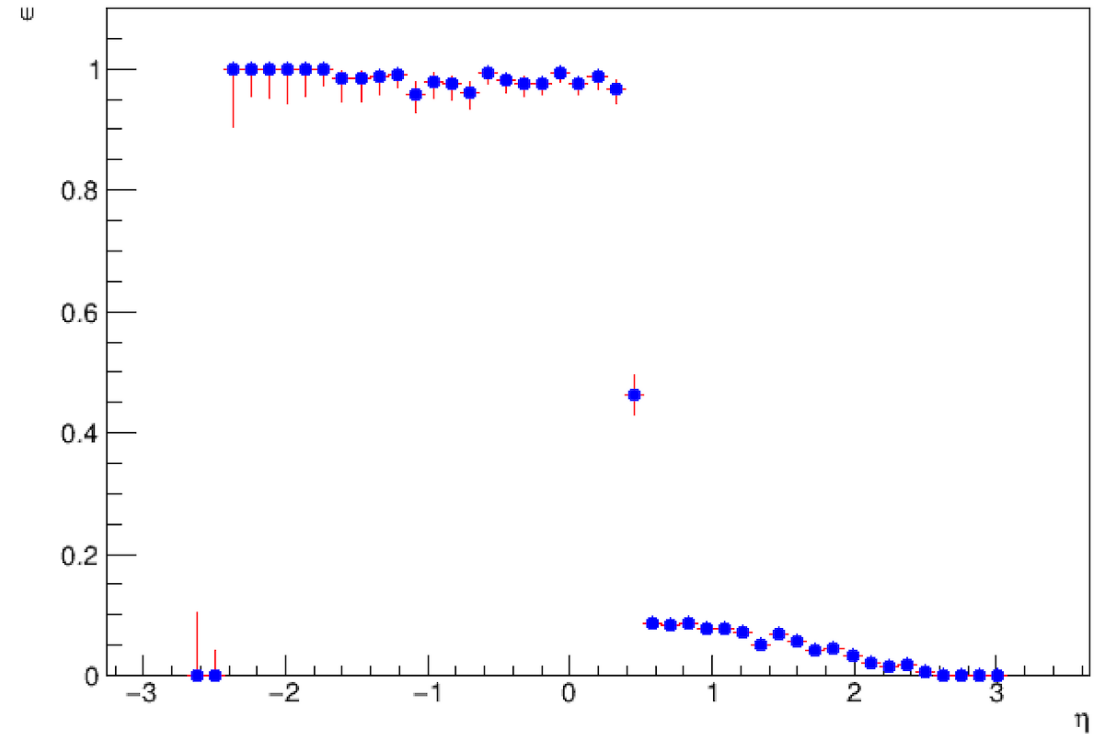


Clustering Efficiency

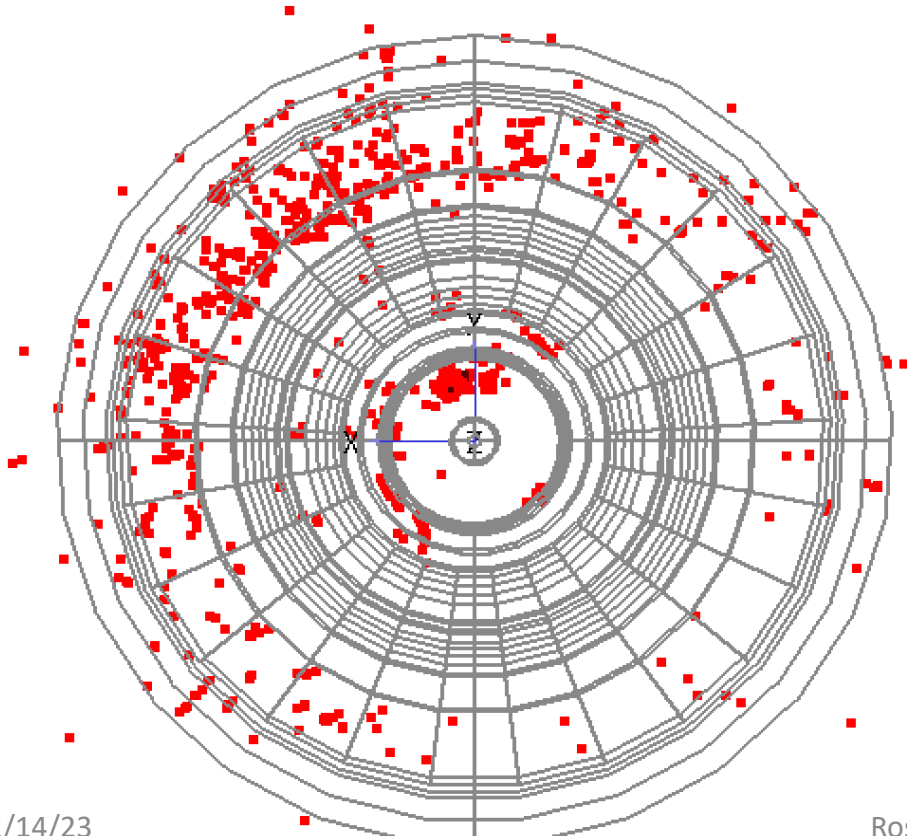
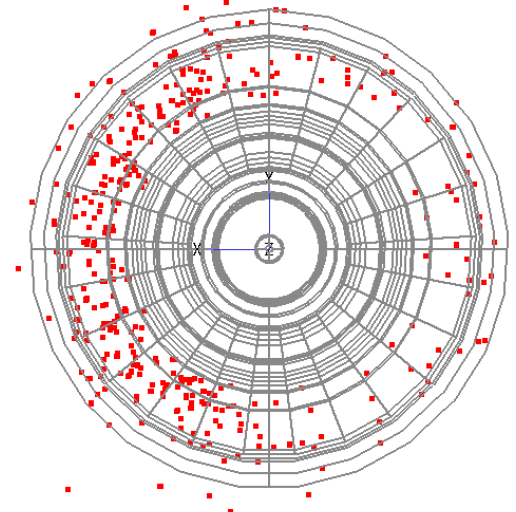
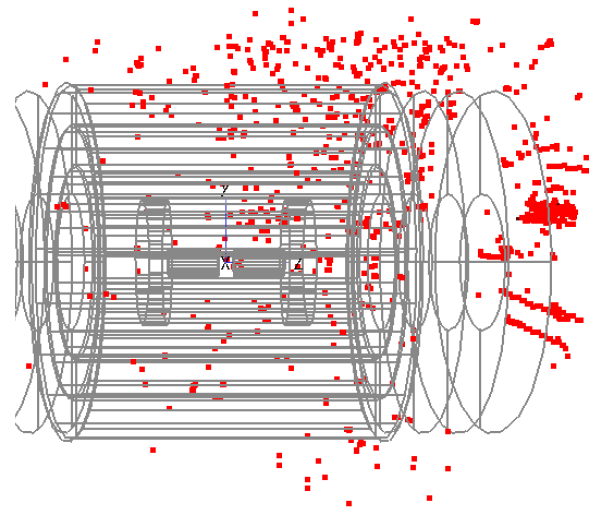
Cluster Efficiency, pions (tau gun)



Clustering Efficiency, pions (tau gun)



Finally, spotted some strange event displays



- Found a few events that were lighting up large portions of the detector
- Looks almost like we have a spray of background...
- Sergo and I are a bit confused about these events and wondering if anyone has feedback