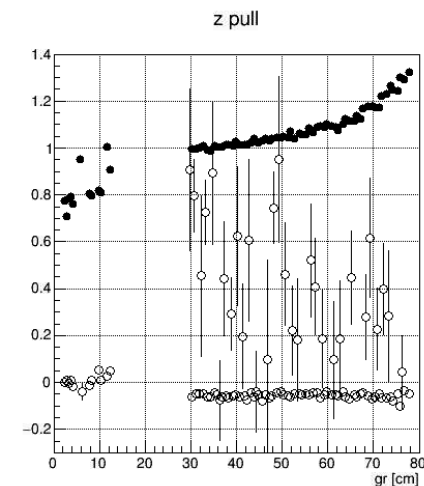
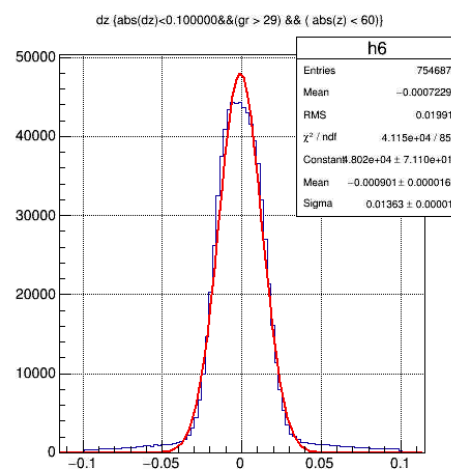
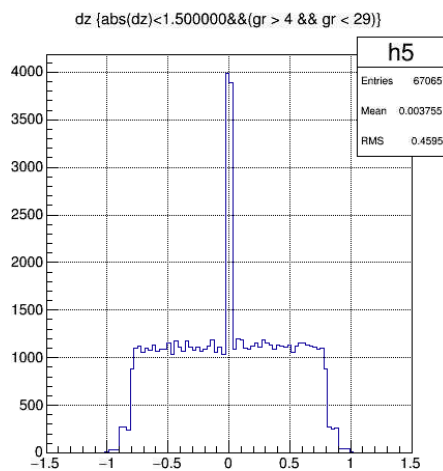
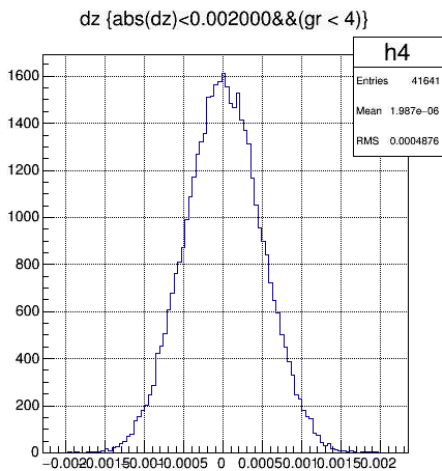
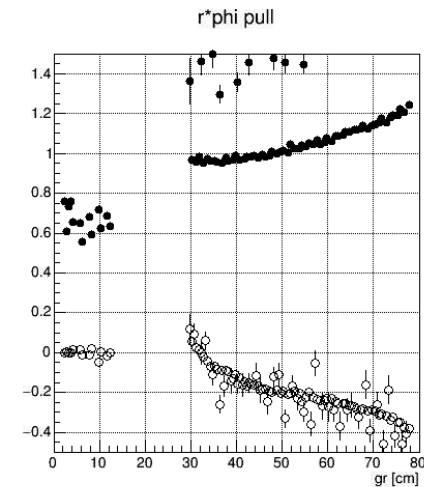
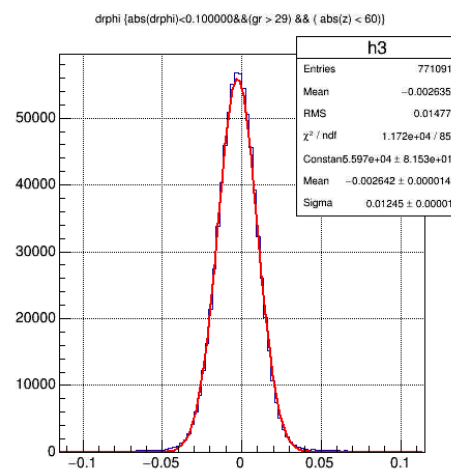
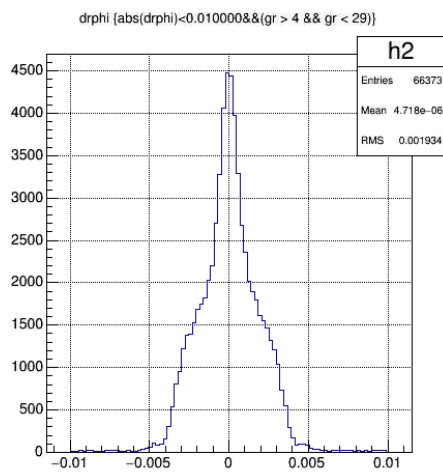
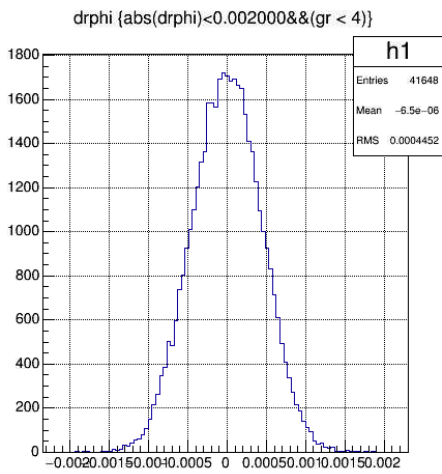




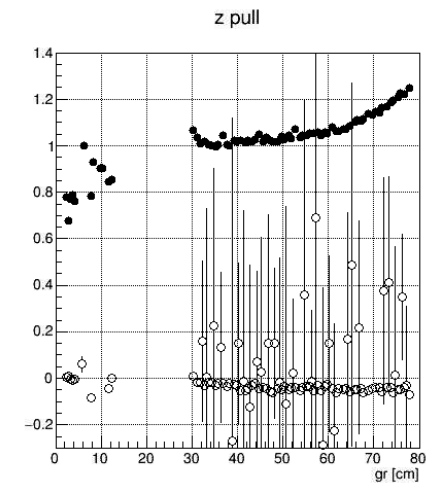
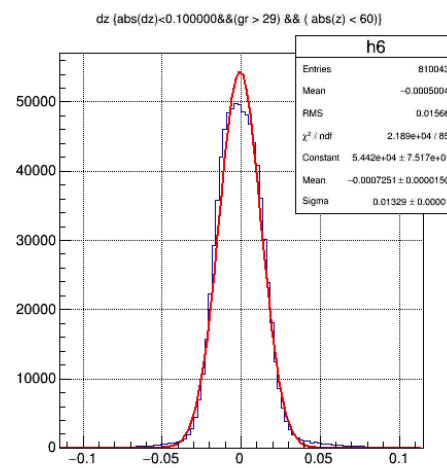
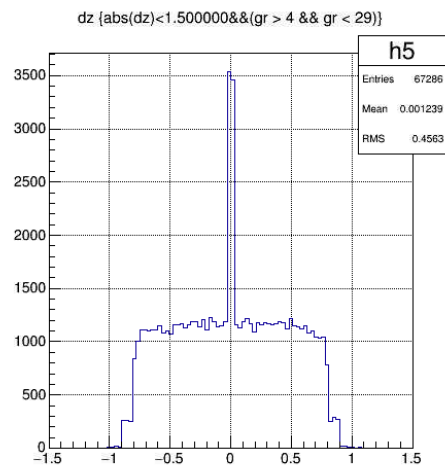
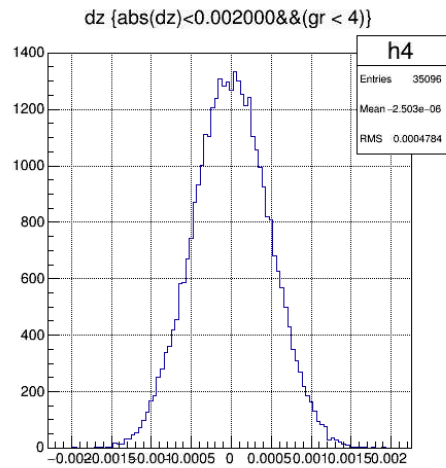
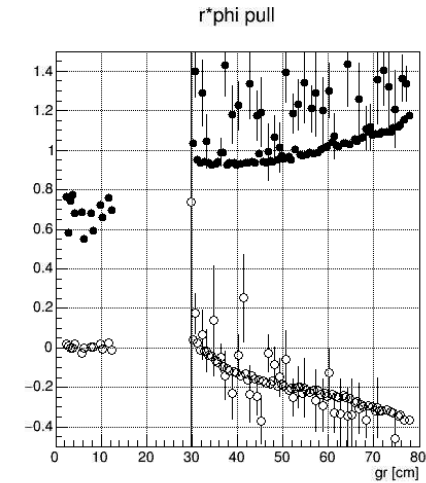
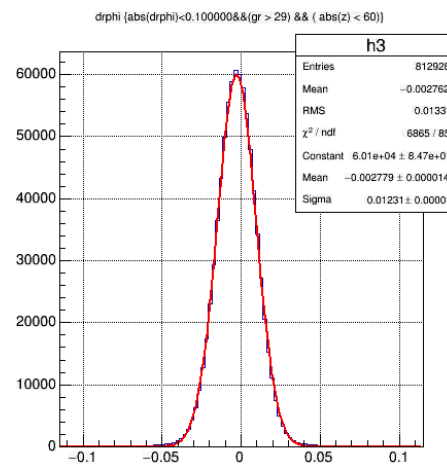
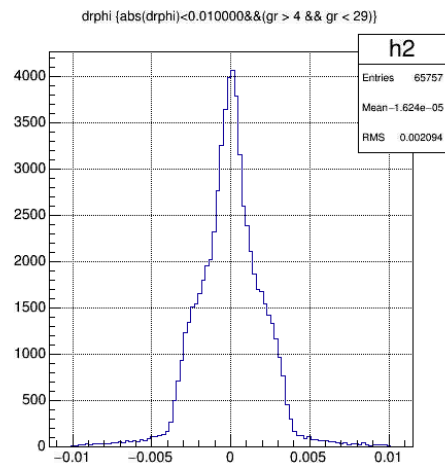
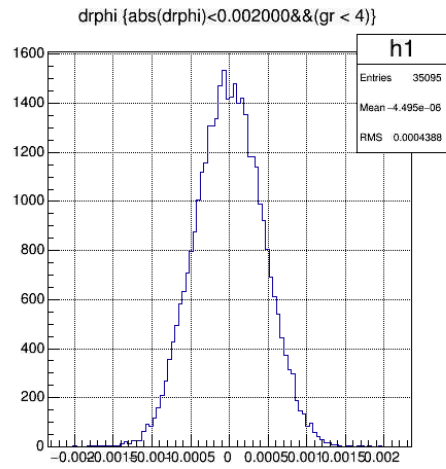
# Tony and Sourav's Testing on PHG4KalmanPatRec

Anthony Frawley(FSU), Sourav Tarafdar(VU)  
Haiwang Yu (NMSU)

# Tony, cluster distribution



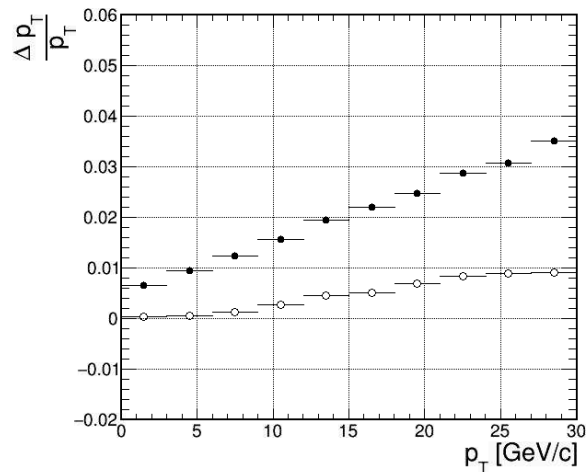
# Sourav, cluster distribution



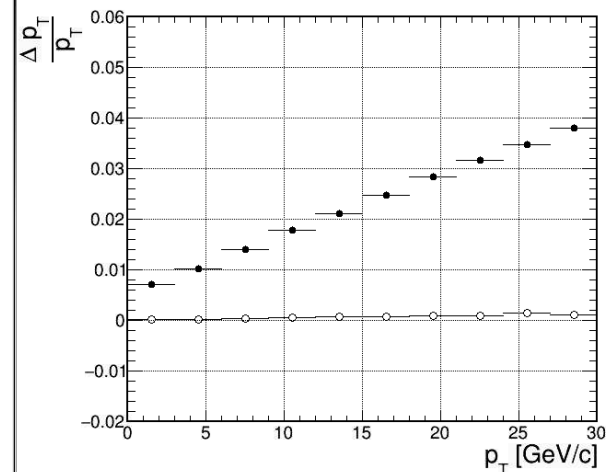
# Compare, pT reco.

pT resolution and offset  
 Sourav's offset looks very nice which is very interesting

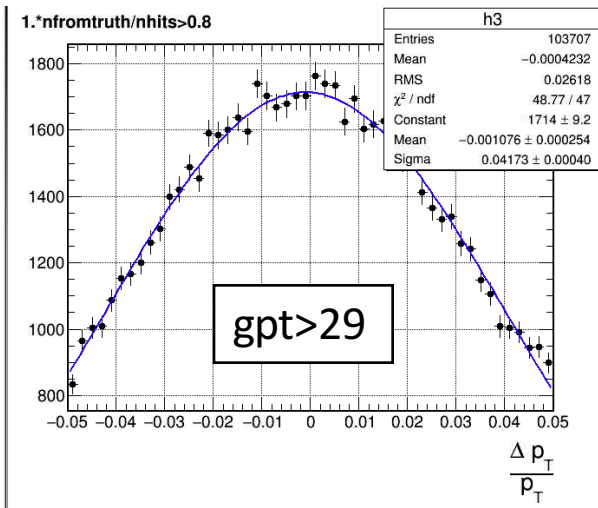
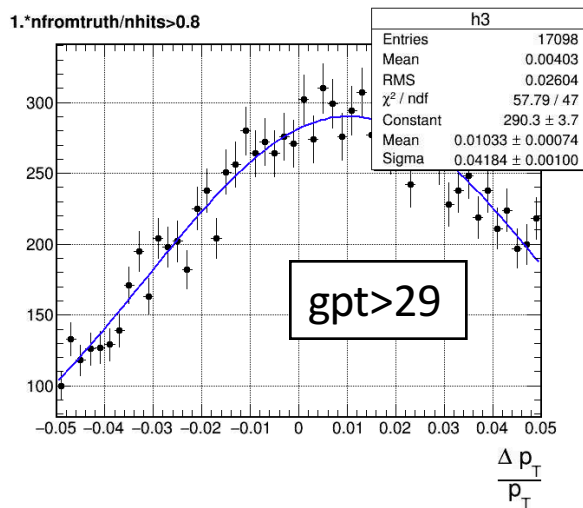
Tony



Sourav



$\Delta p_T$  for the  $g_{pT} > 29 \text{ GeV}$



# Compare, eff.

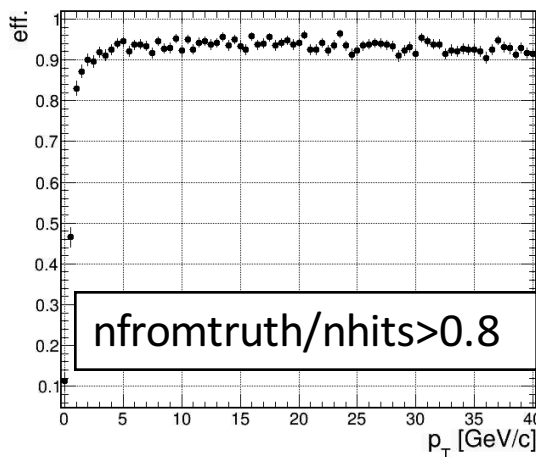
tracking eff. vs. gpt  
using ntp\_gtrack tree

cut:

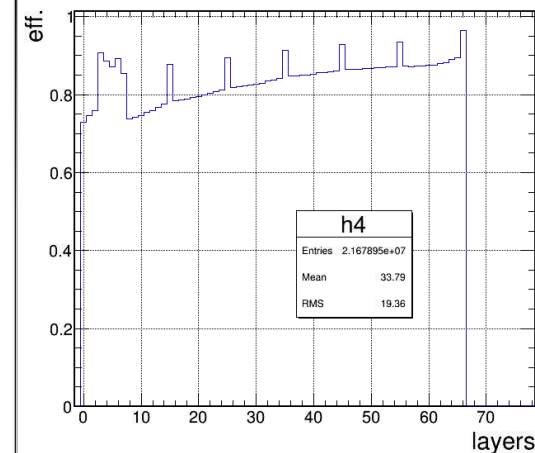
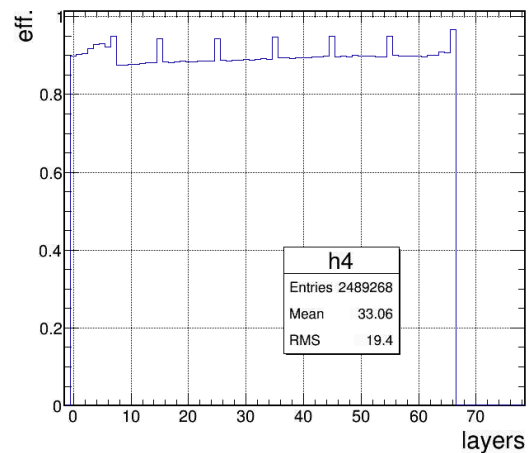
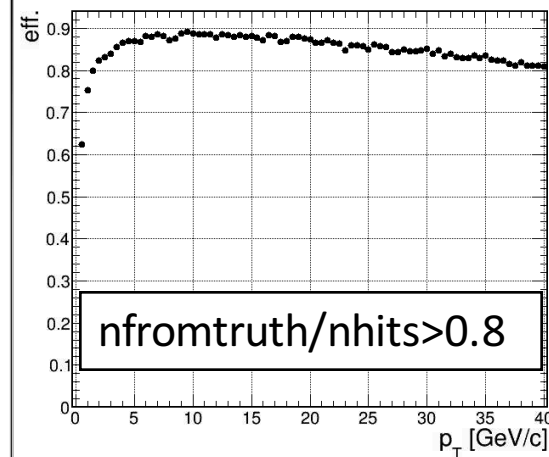
- $n_{\text{fromtruth}}/n_{\text{hits}} > 0.8$
- no momentum matching cut

cluster association eff. vs. layer  
**Sourav's plot looks like using an  
older version**

Tony



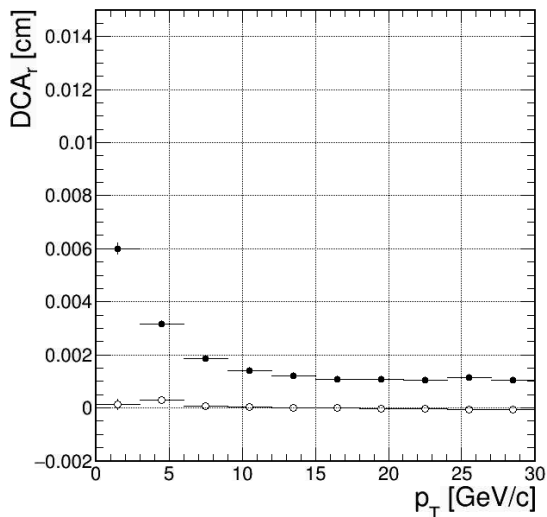
Sourav



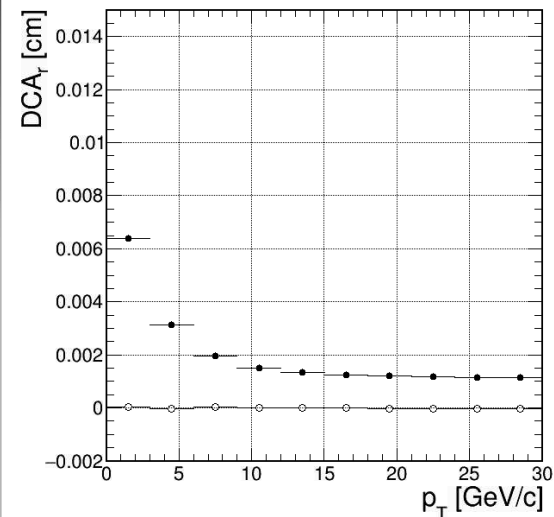
# Compare, DCAr

DCAr resolution and offset

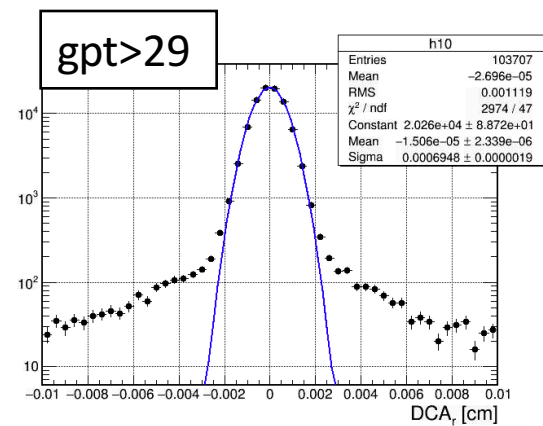
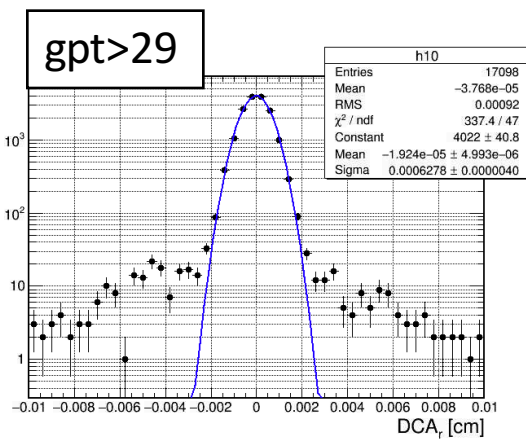
Tony



Sourav



DCAr distribution for gpt>29GeV



# Backups