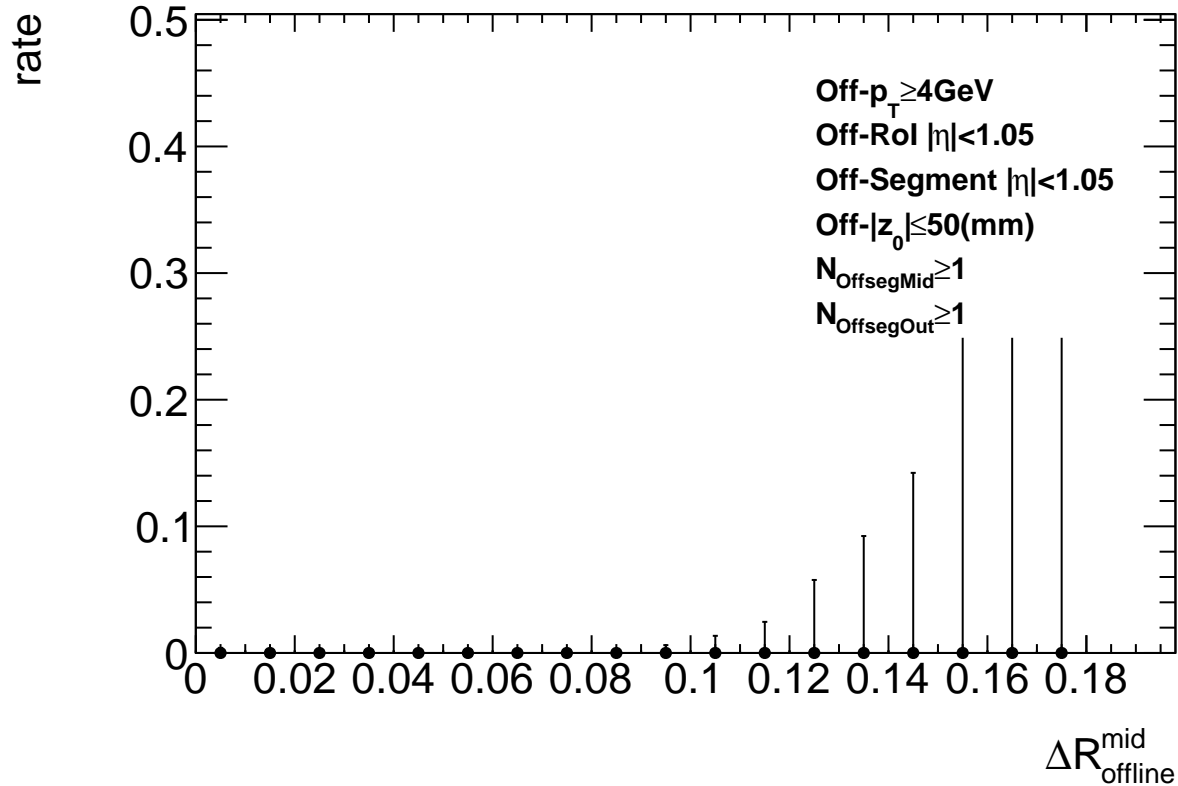
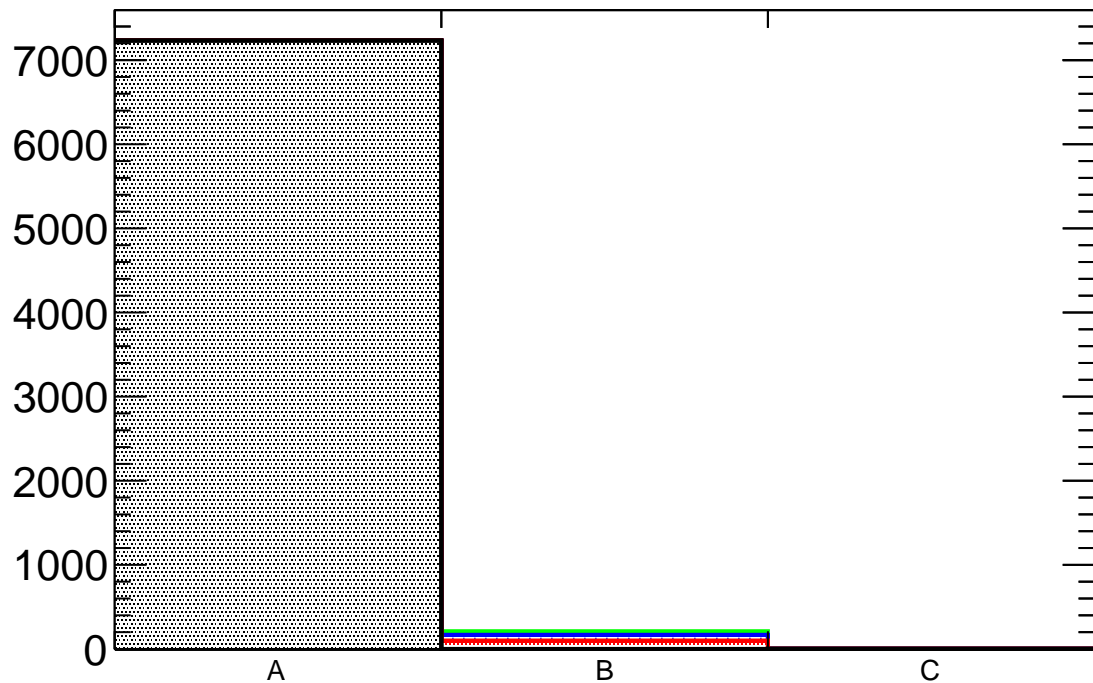


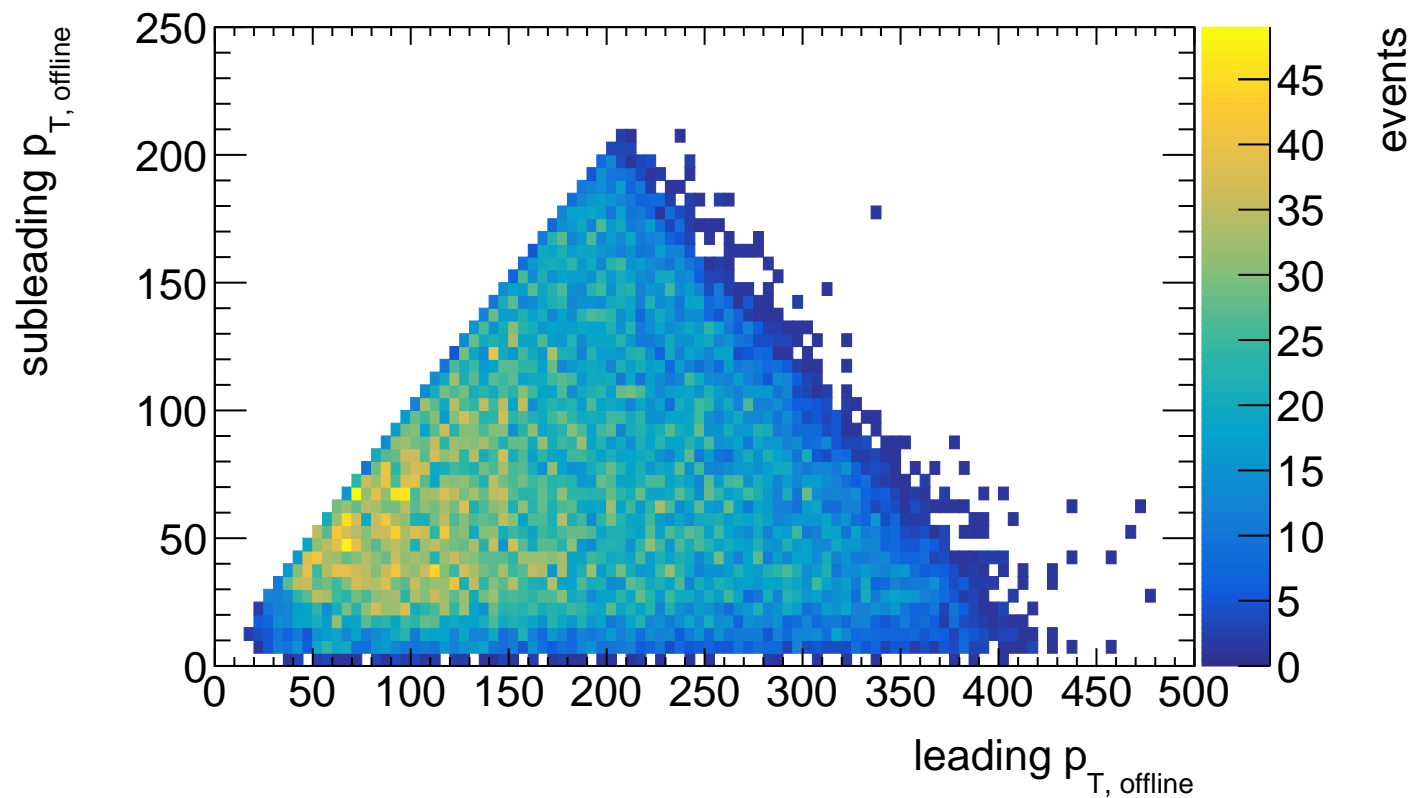
**Rate of isMoreCandinRol=true events !barrel event only!**



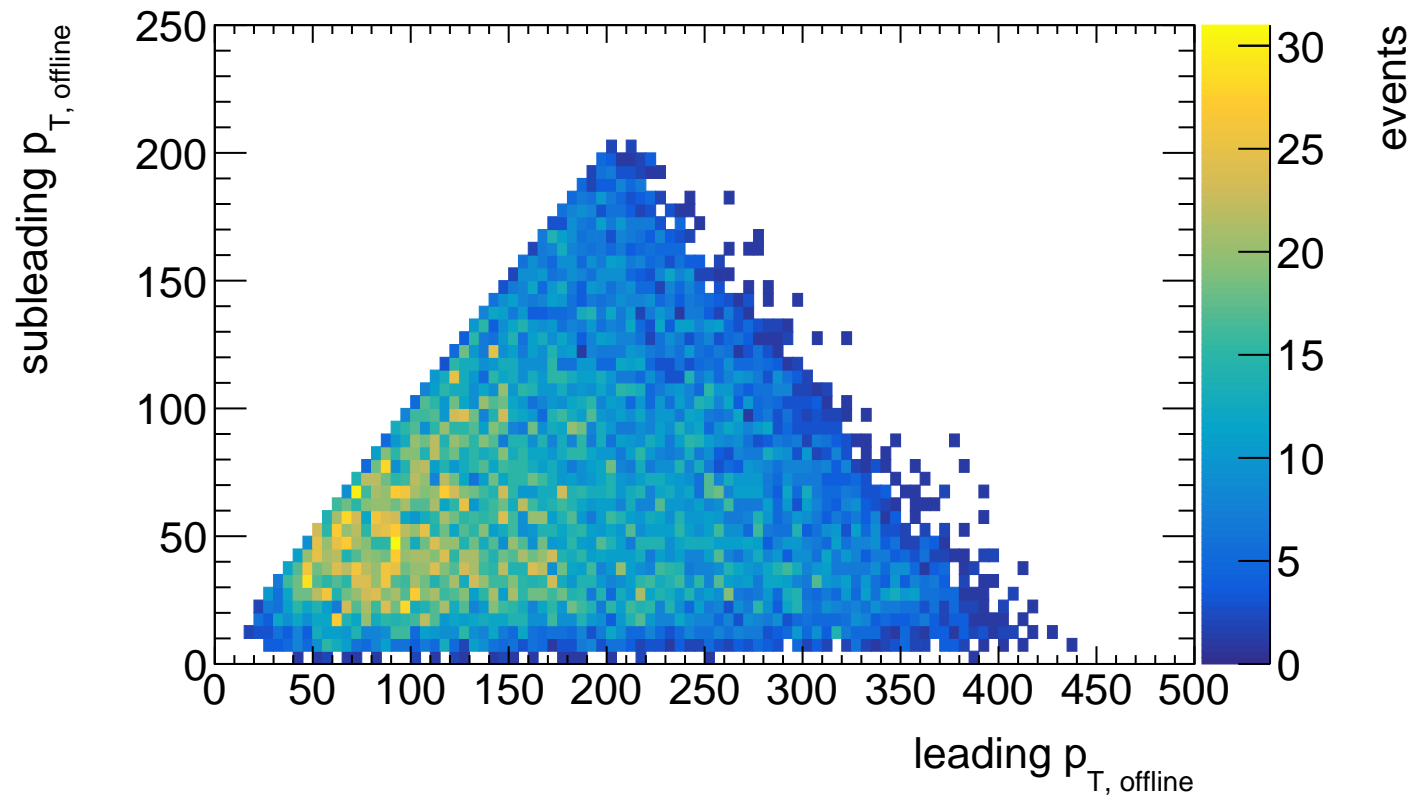
**$N_{\text{superpoint}}$  condition when much lower  $p_T$  was calculated**



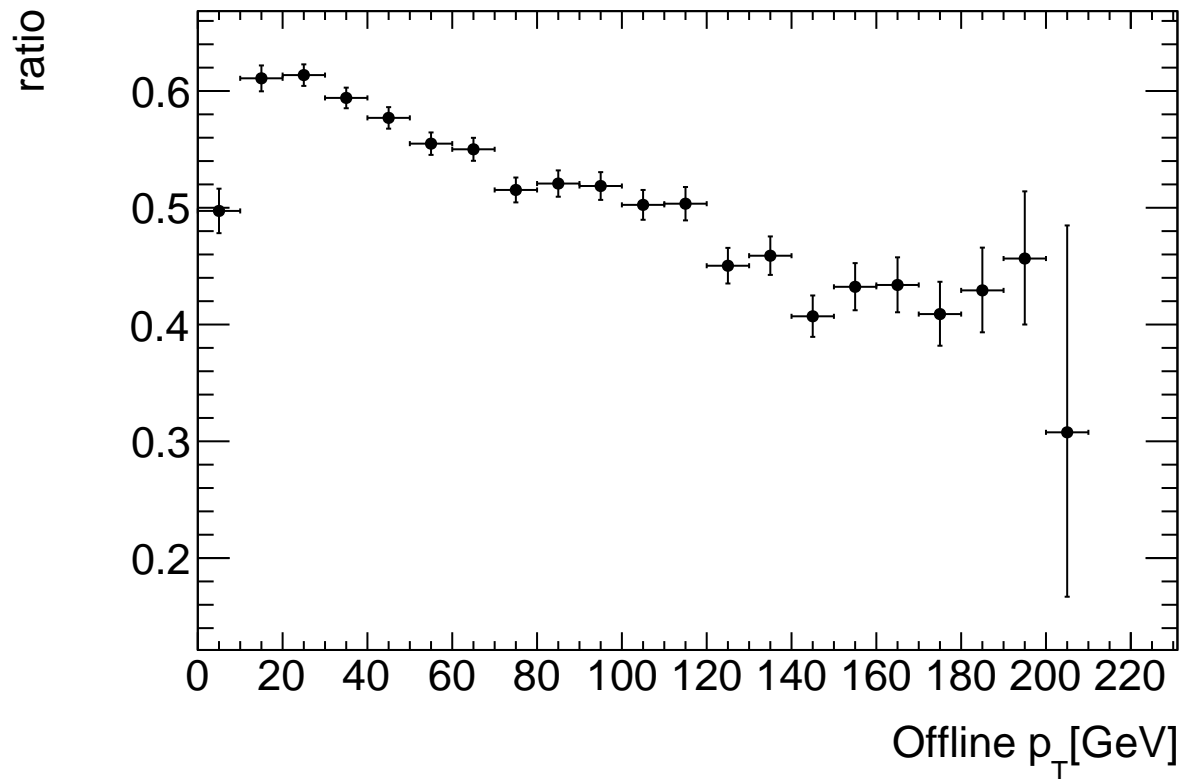
**Offline pT : 2mu-in-1RoI**



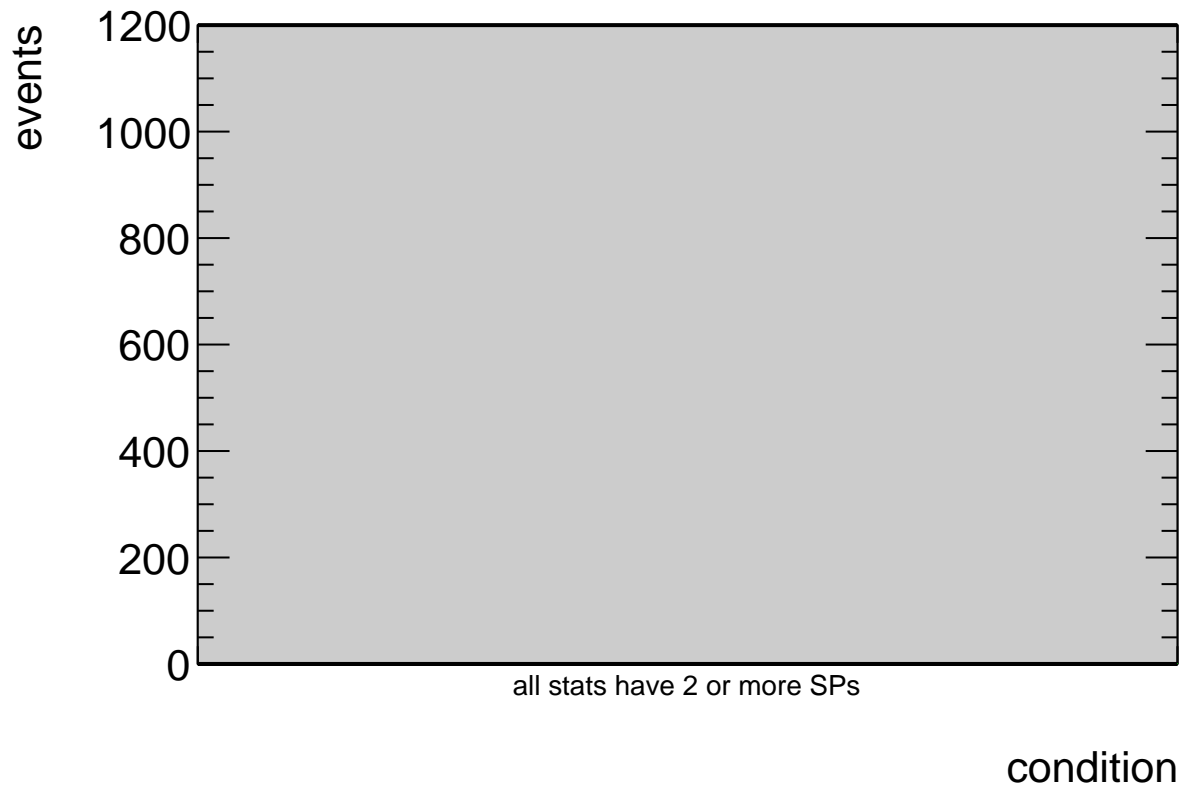
# Offline pT : 2mu-in-1Rol&oppcharge pT calculated



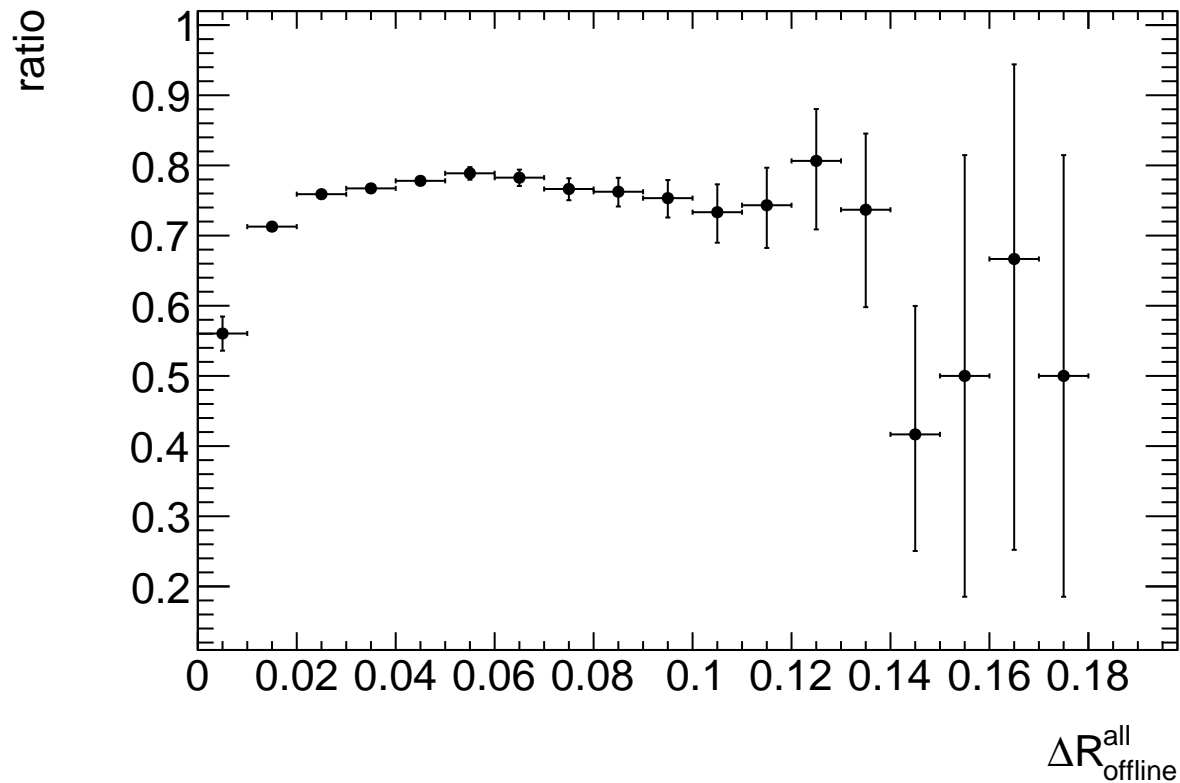
# Ratio of $N_{p_T=2}$ & opposite charge events



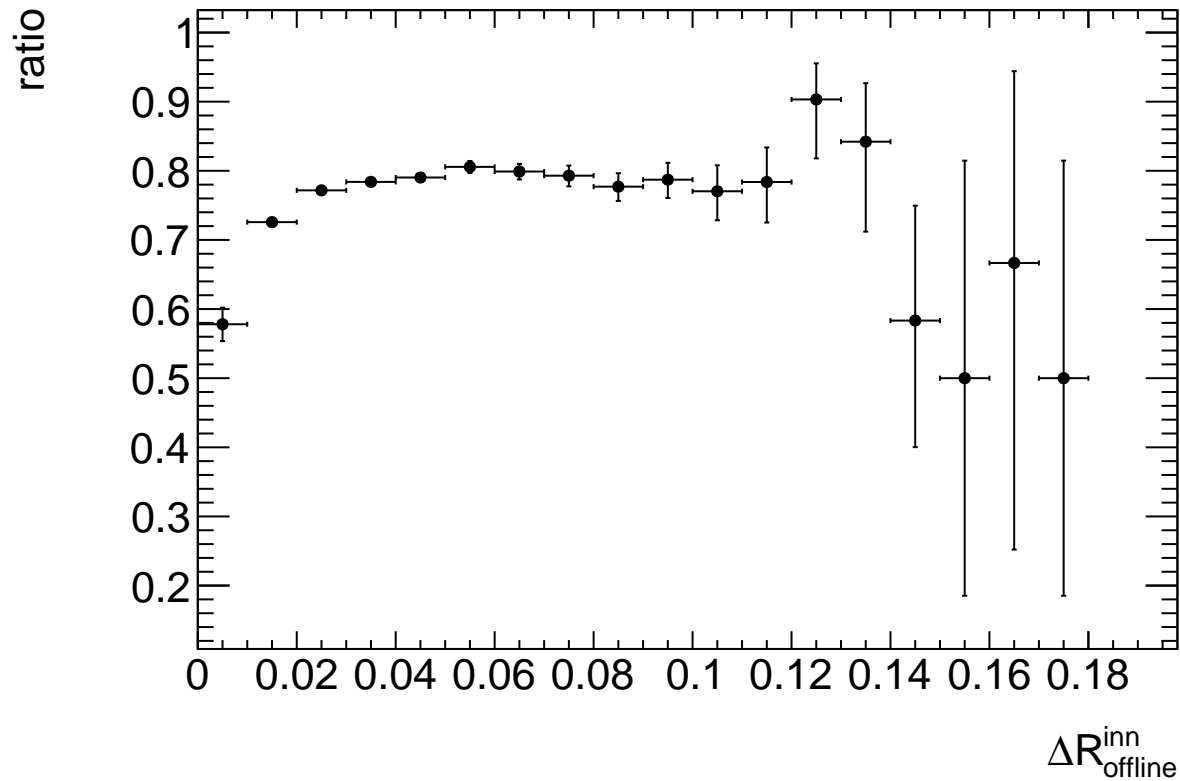
**$N_{\text{superpoint}}$  condition when much lower  $p_T$  was calculated**



Ratio of  $N_{\text{spall}}=2$  events

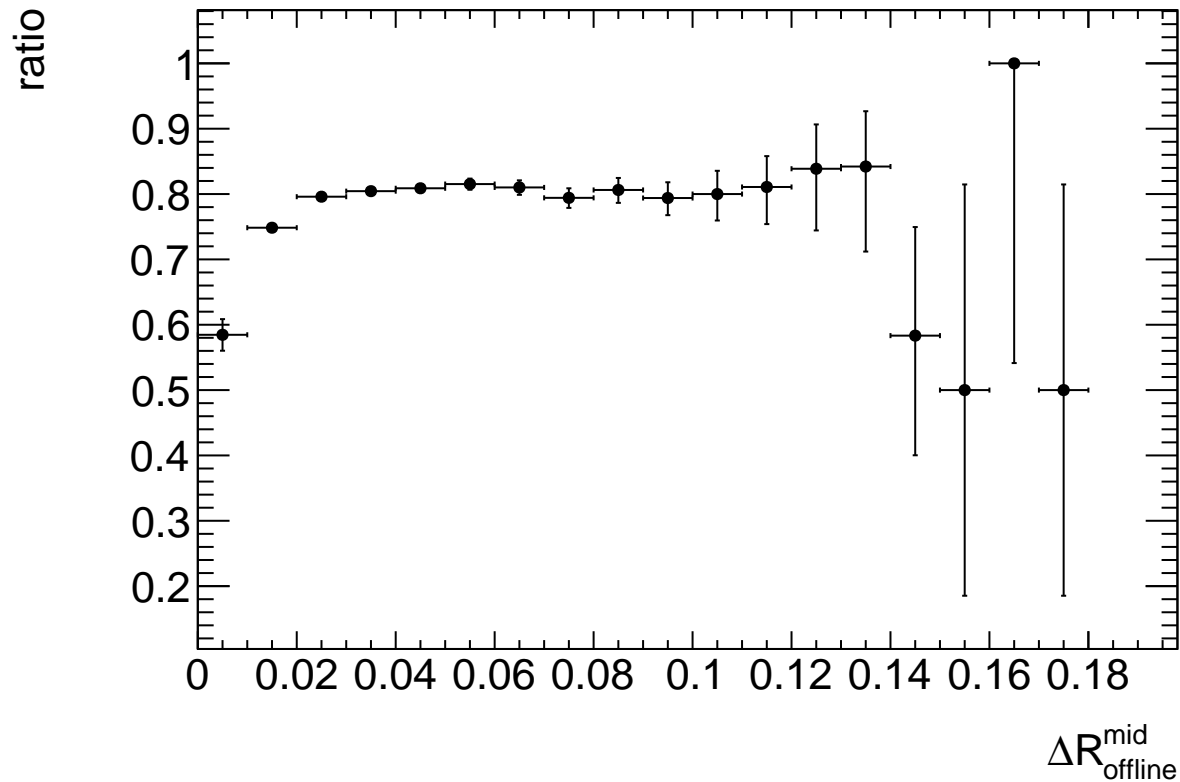


Ratio of  $N_{\text{spinn}}=2$  events

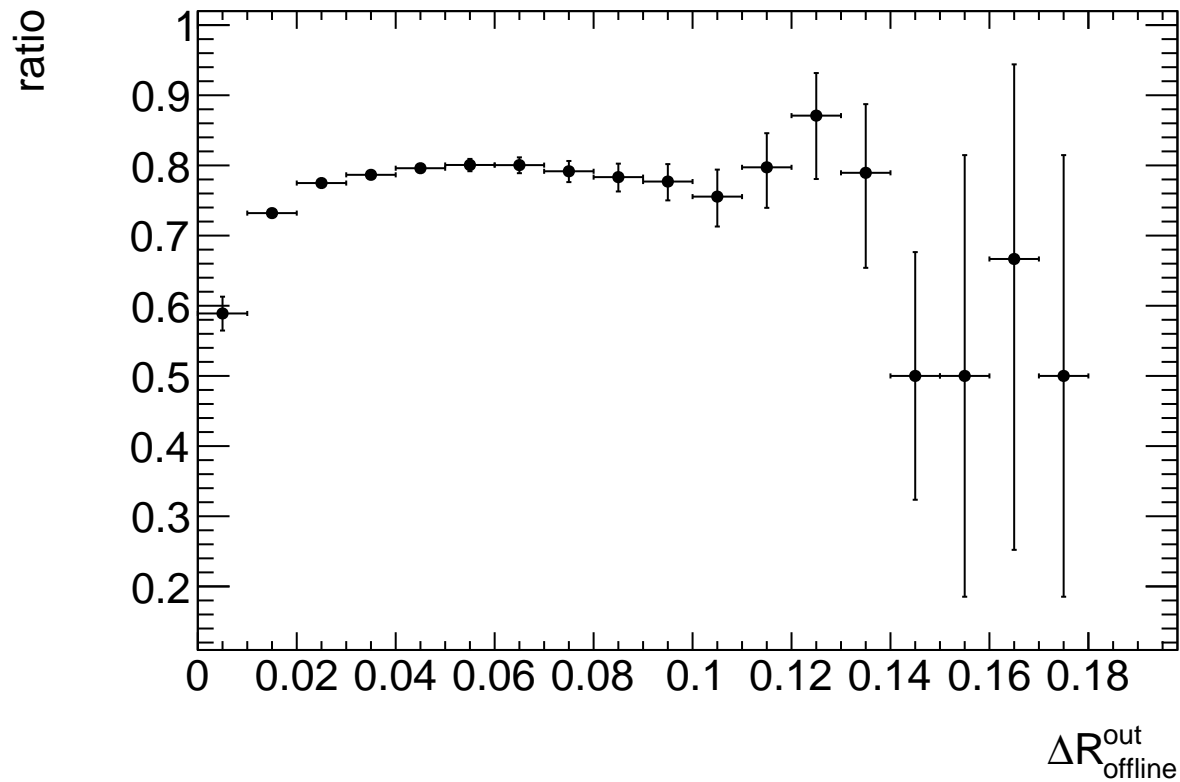




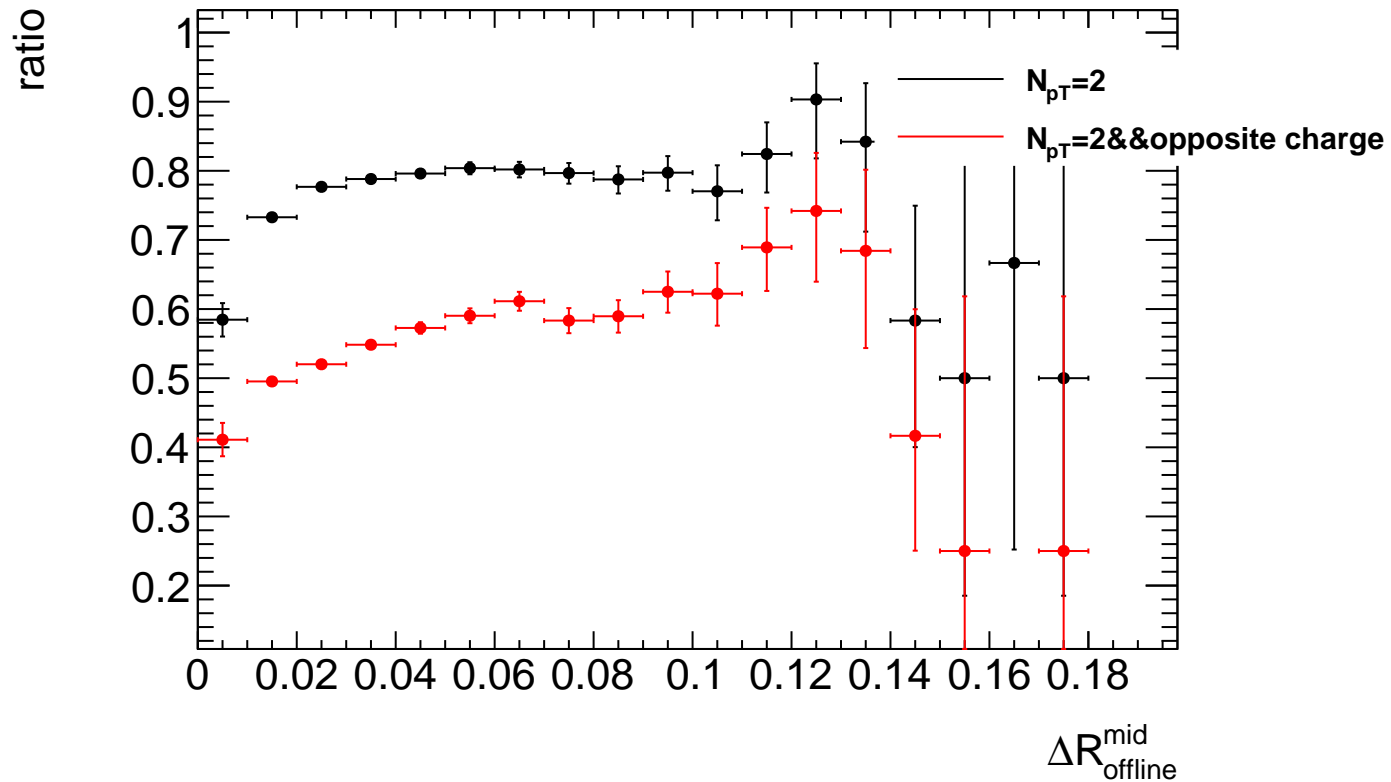
Ratio of  $N_{\text{spmid}}=2$  events



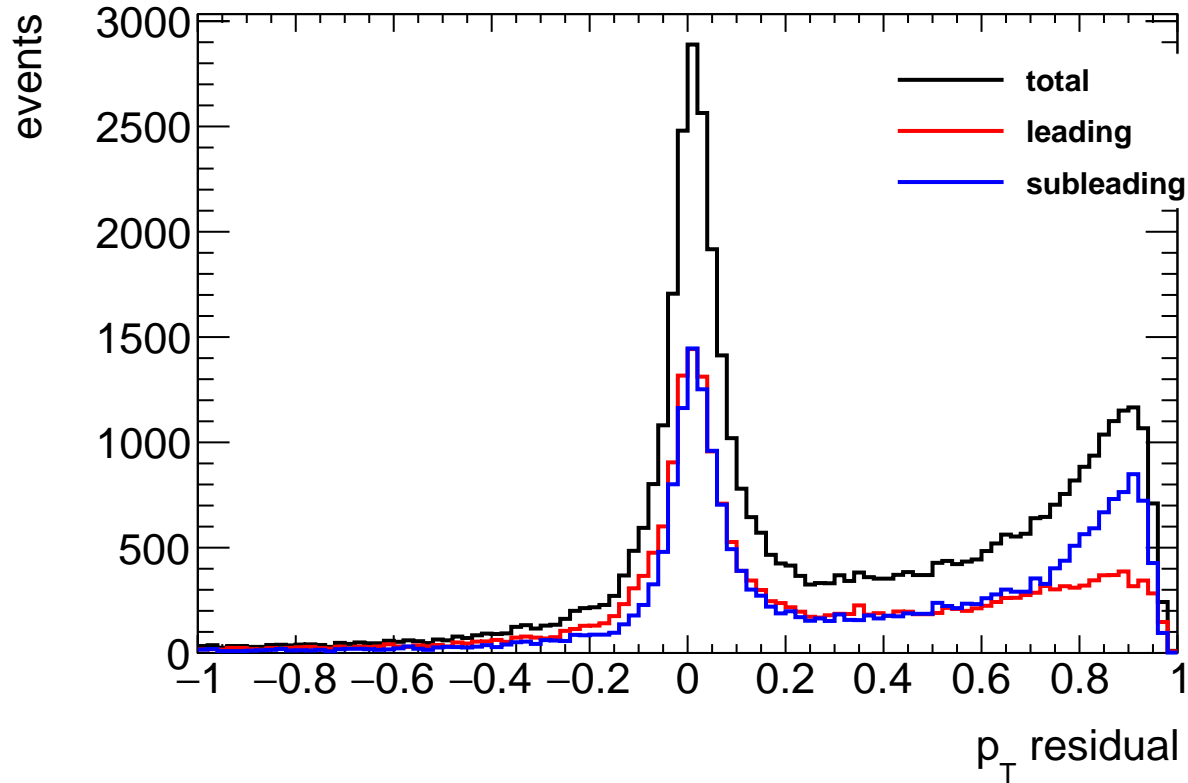
Ratio of  $N_{\text{spout}}=2$  events



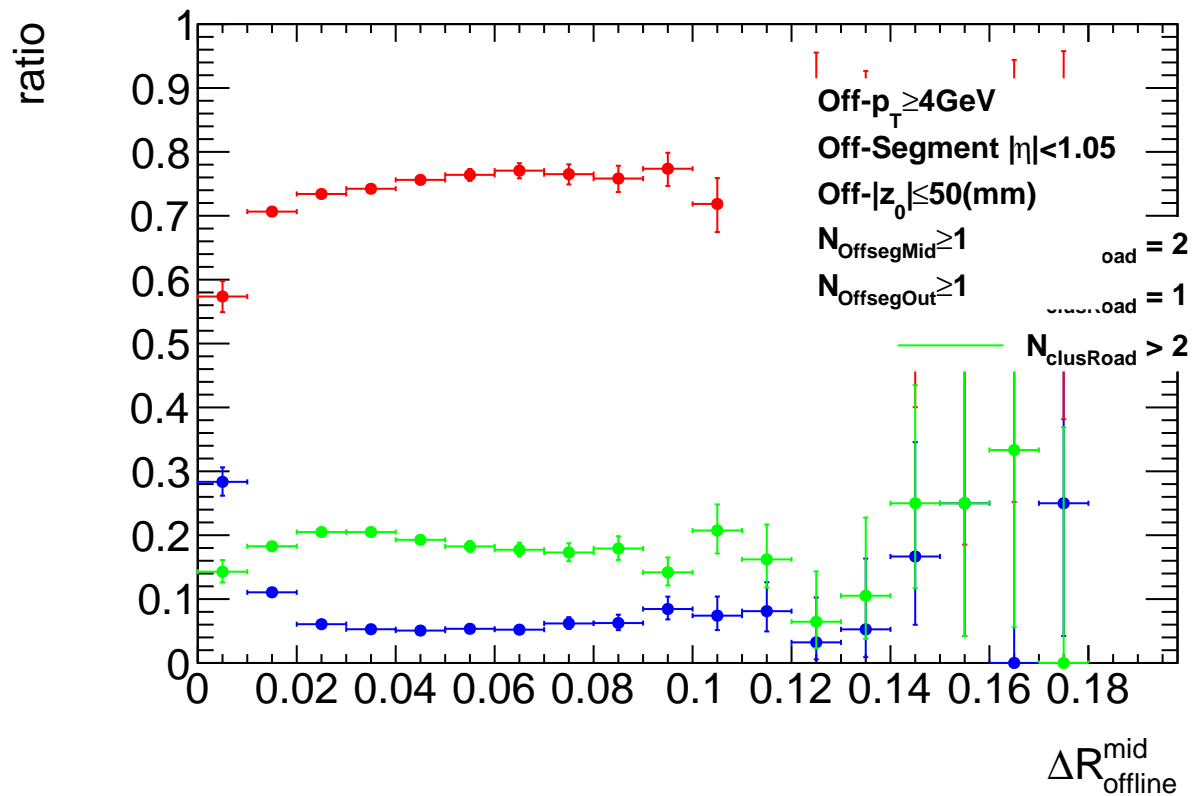
# Ratio of $N_{pT=2}$ events



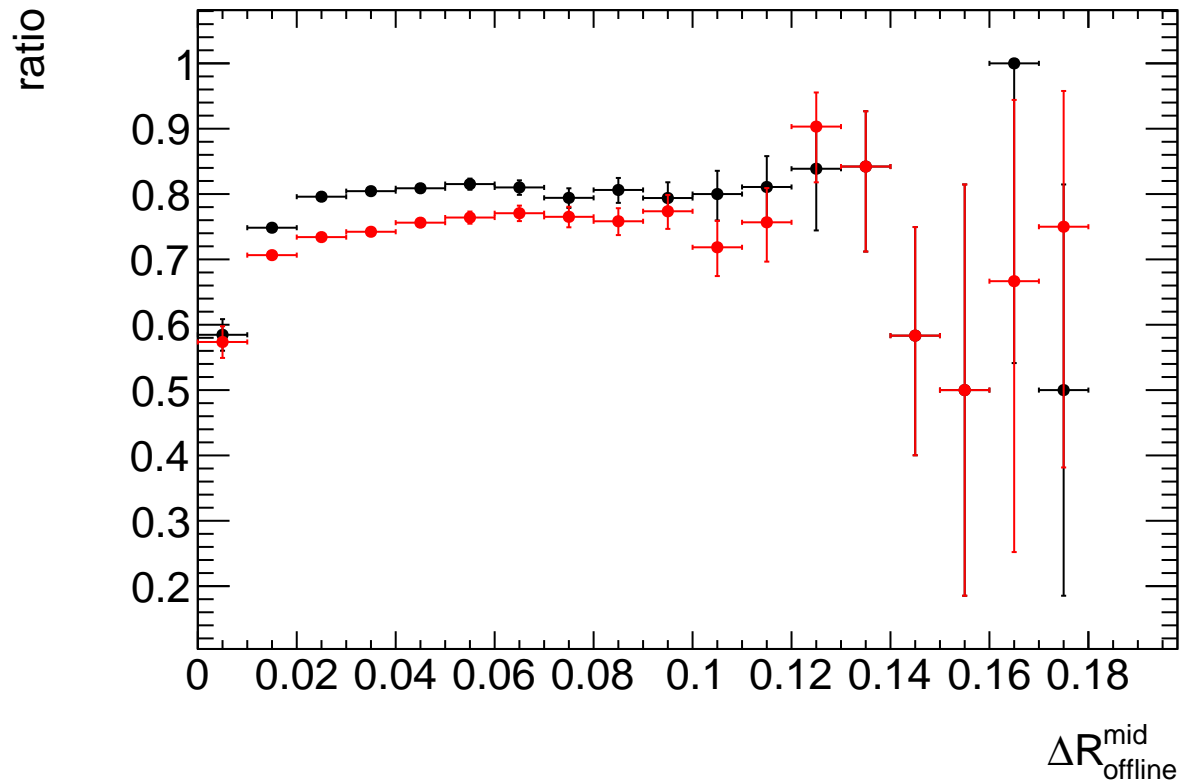
$$p_T \text{ residual} = 1 - p_T^{\text{SAcluster}} / p_T^{\text{offline}} \text{ leading \& subleading}$$



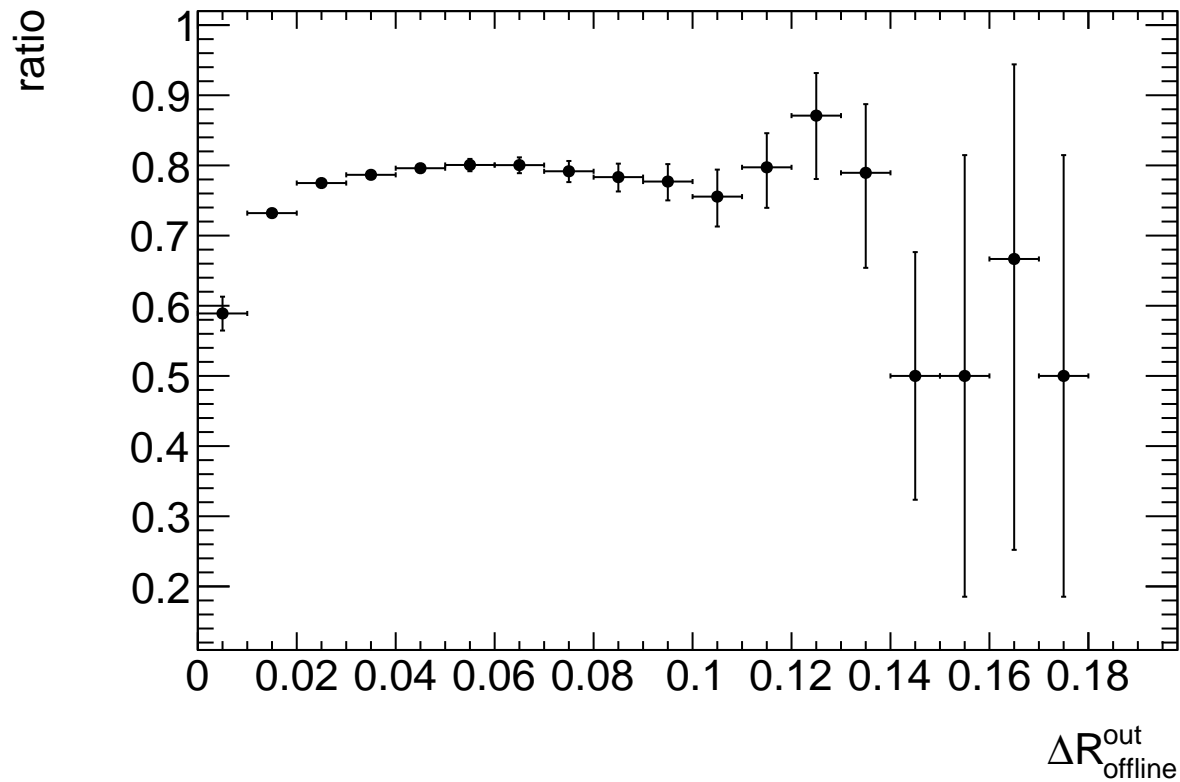
Ratio of  $N_{\text{clusRoad}}=2$  events



Ratio of  $N_{\text{spmid}}=2$  events

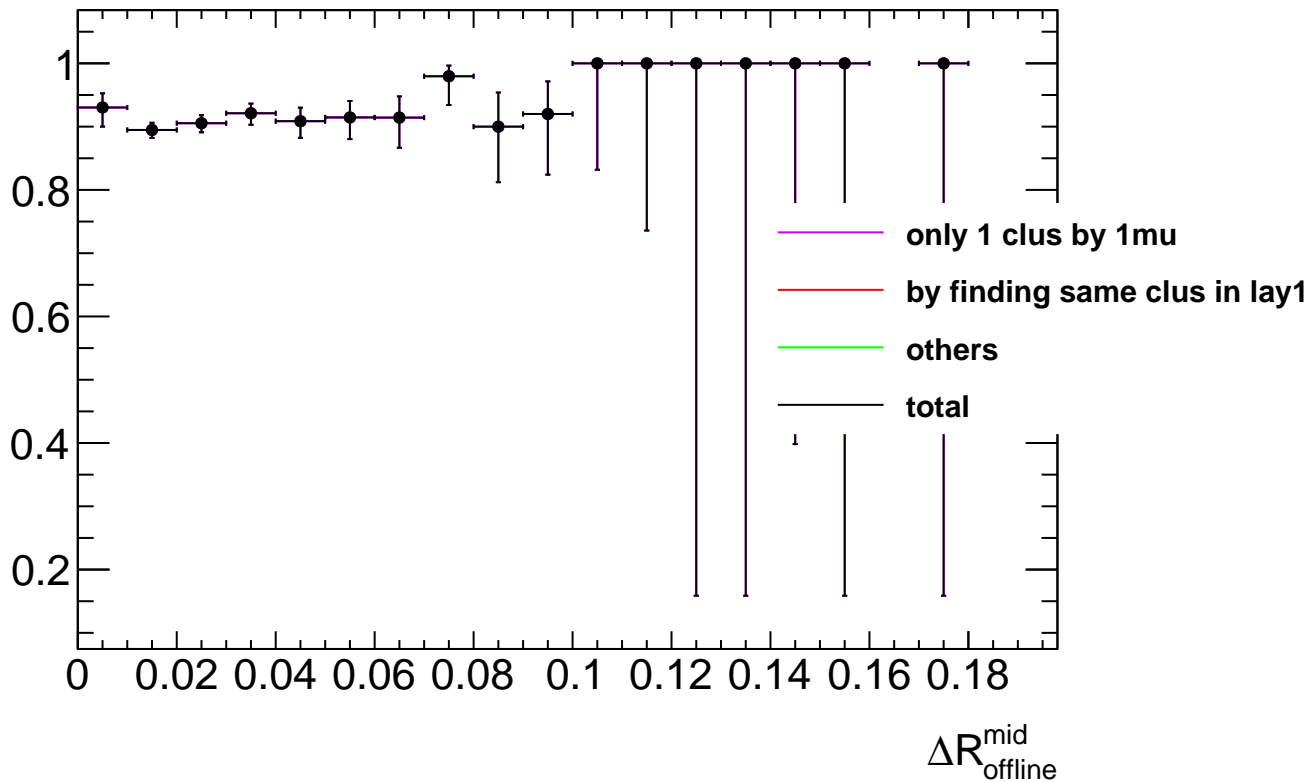


Ratio of  $N_{\text{spout}}=2$  events



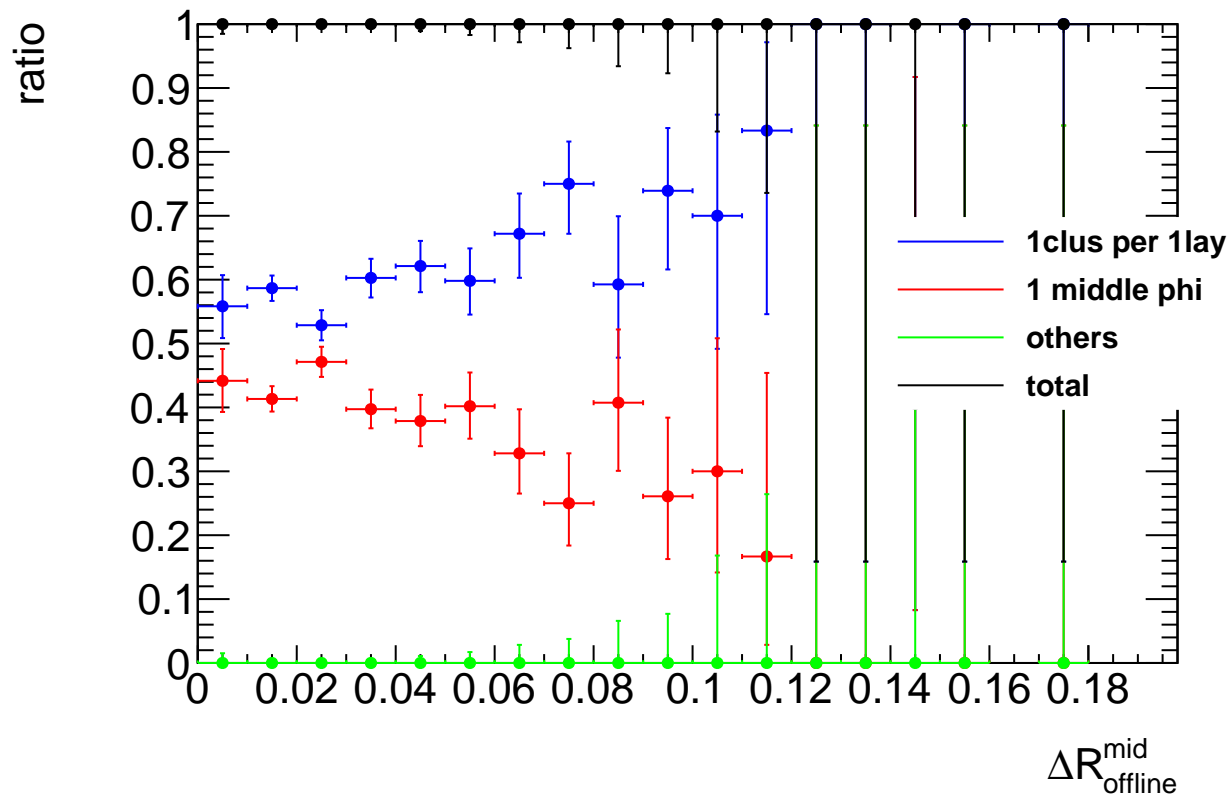
Ratio  $N_{\text{canthelp}}/N_{\text{clusRoad}}=1$

ratio

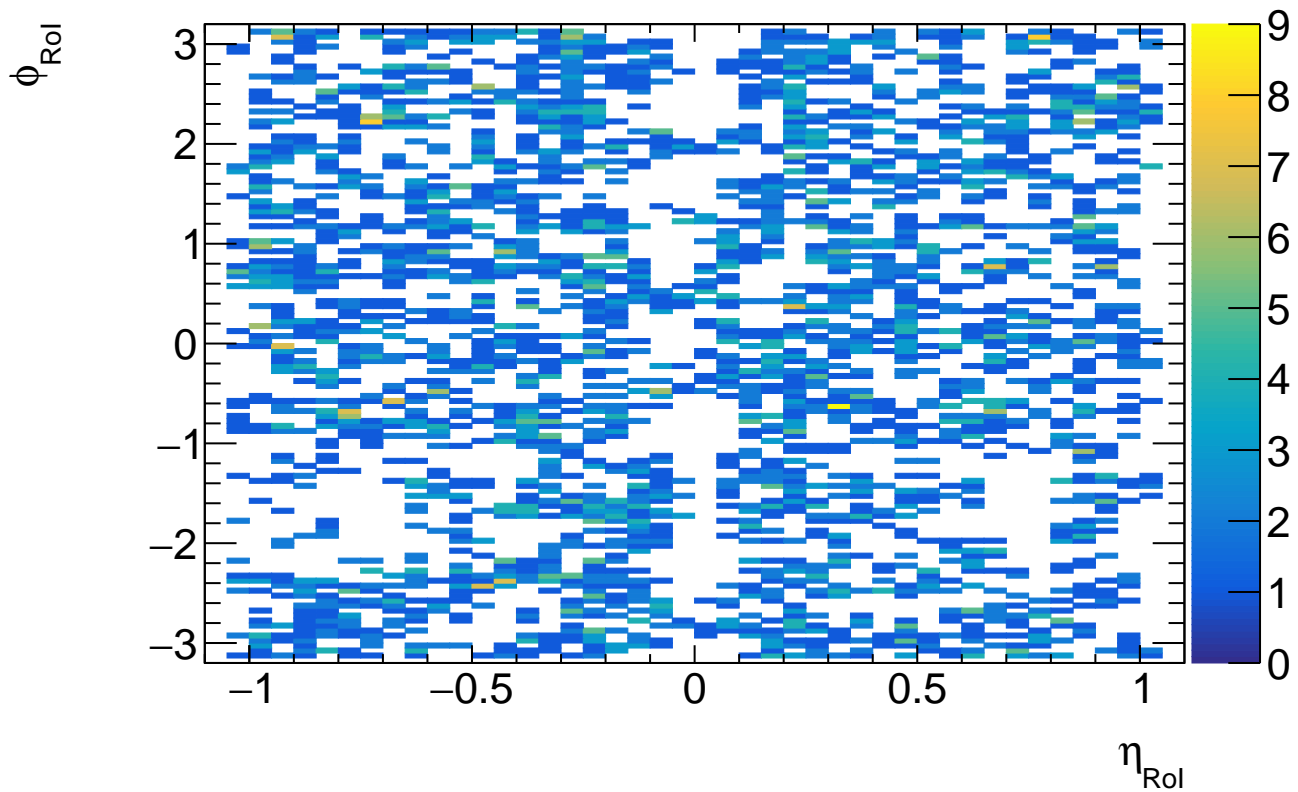




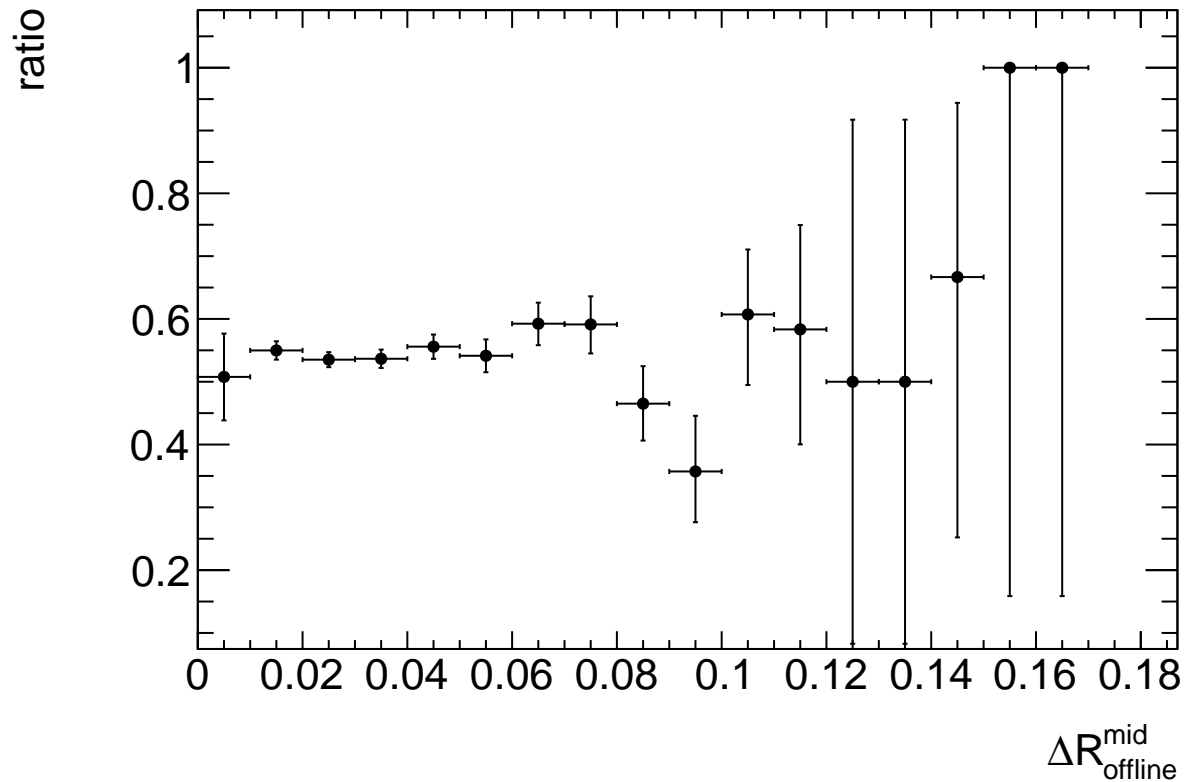
Ratio  $N_{1clus}/N_{clusRoad}=1$



$\eta_{\text{Rol}}$  vs  $\phi_{\text{Rol}}$  (1clusterRoad)

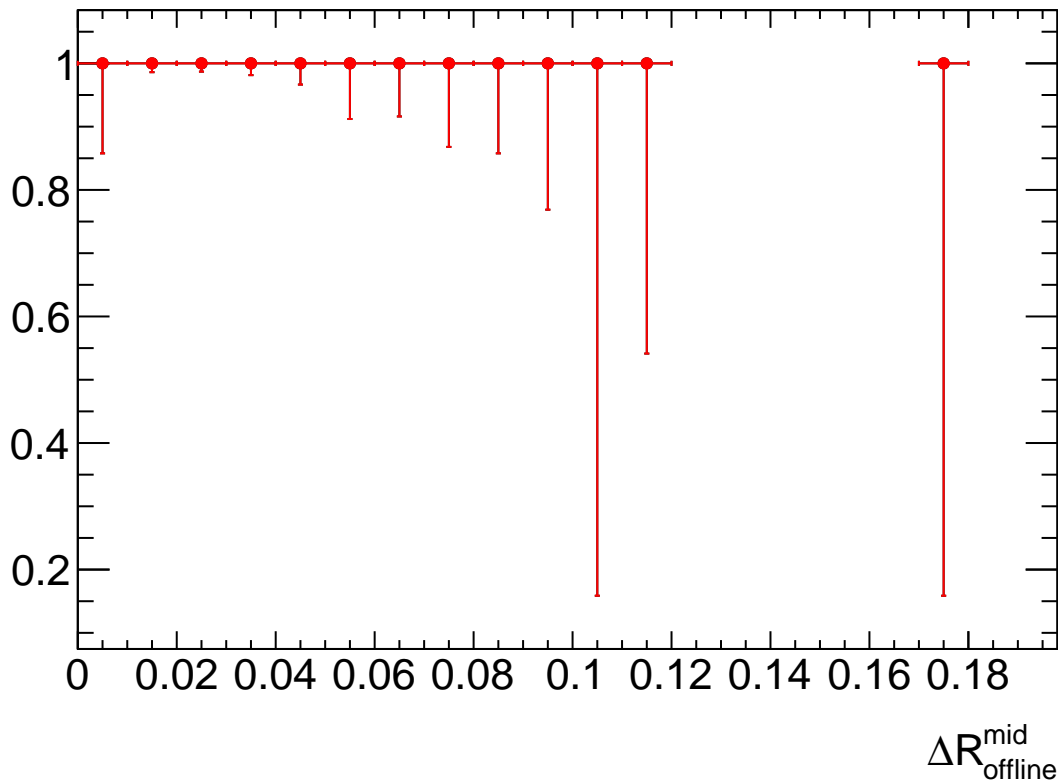


Ratio  $N_{3\text{clus in 2layers}}/N_{\text{clusRoad}} > 2$

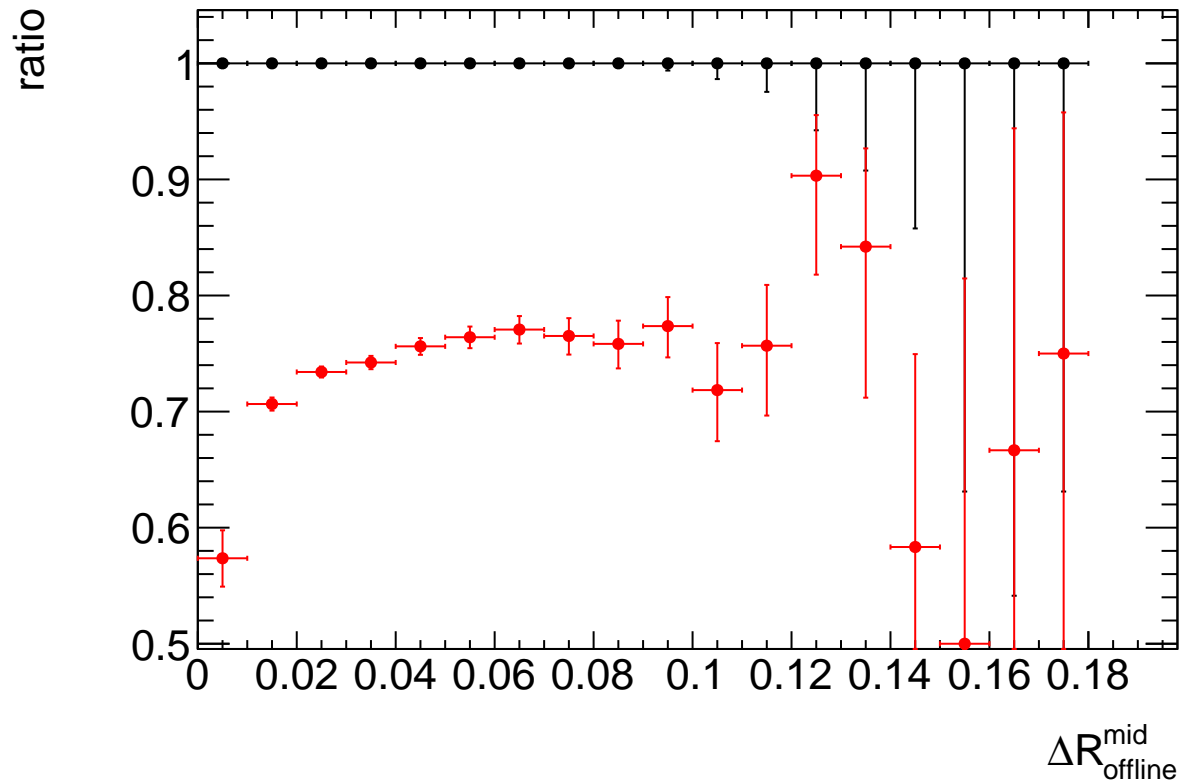


Ratio  $N_{<3 \text{ mdt}}/N_{\text{clusRoad}=2 \& N_{\text{sp}}<2}$

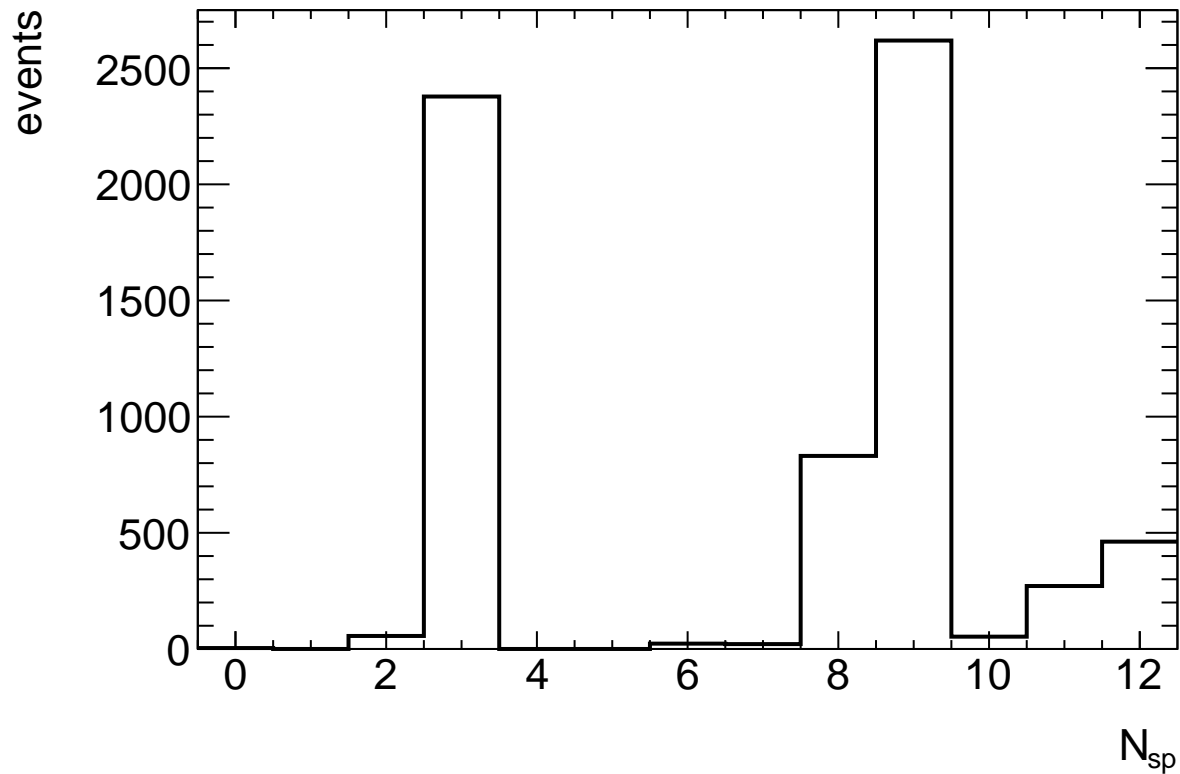
ratio



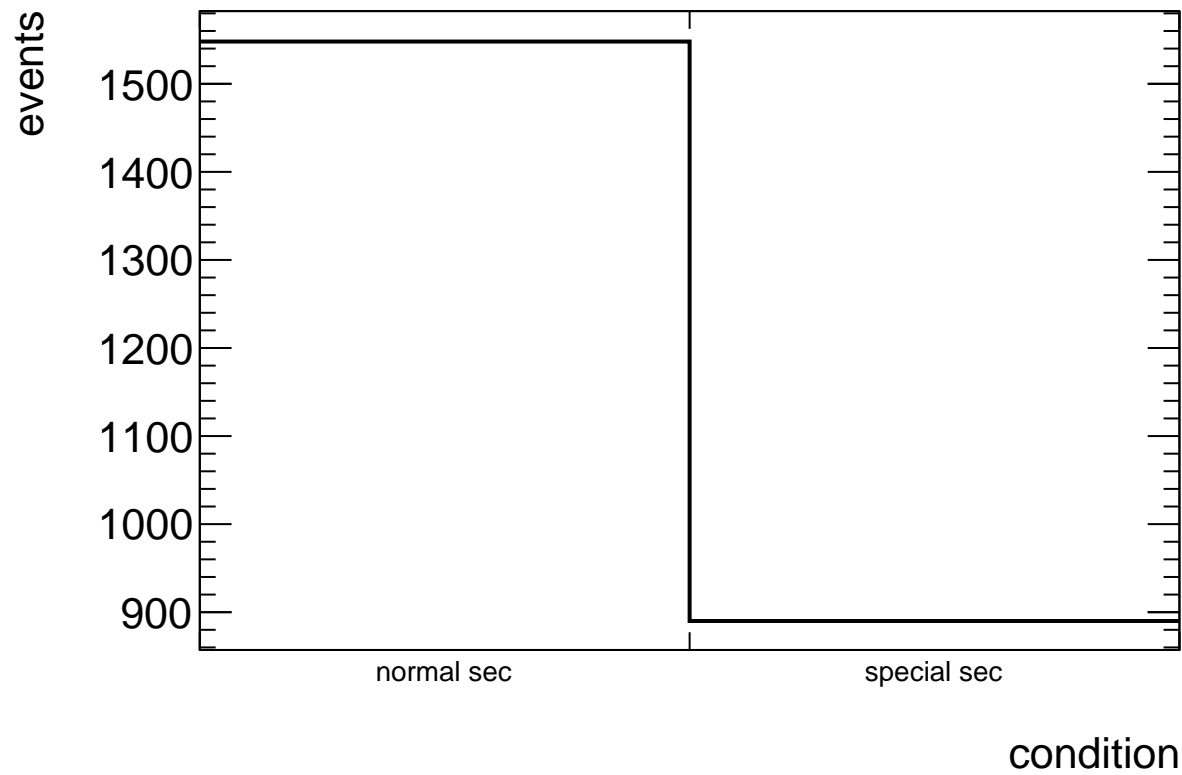
Ratio of 2muon in 1Rol tower events



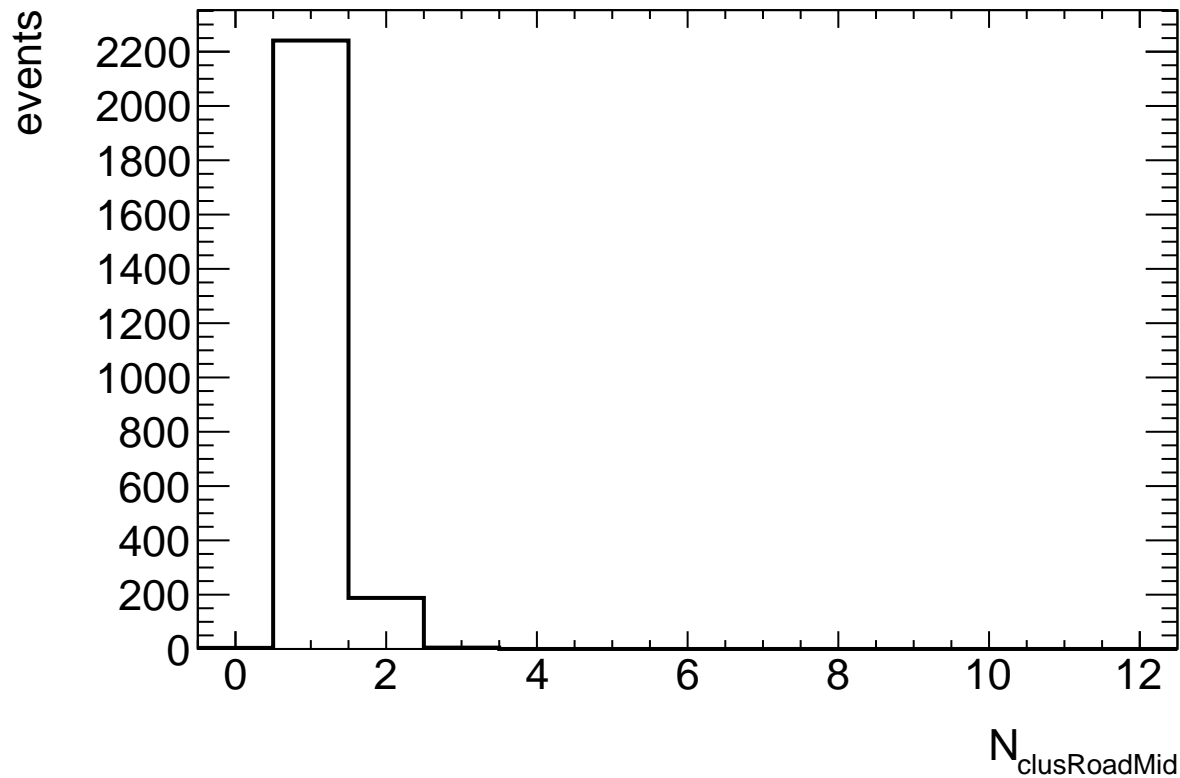
the number of superpoint ( $N_{pT} \neq 2$ )



**$N_{pT} < 2$  sector**



the number of middle clusterRoad ( $N_{pT} < 2$  & normal sector)





the number of pT from clusterRoad

