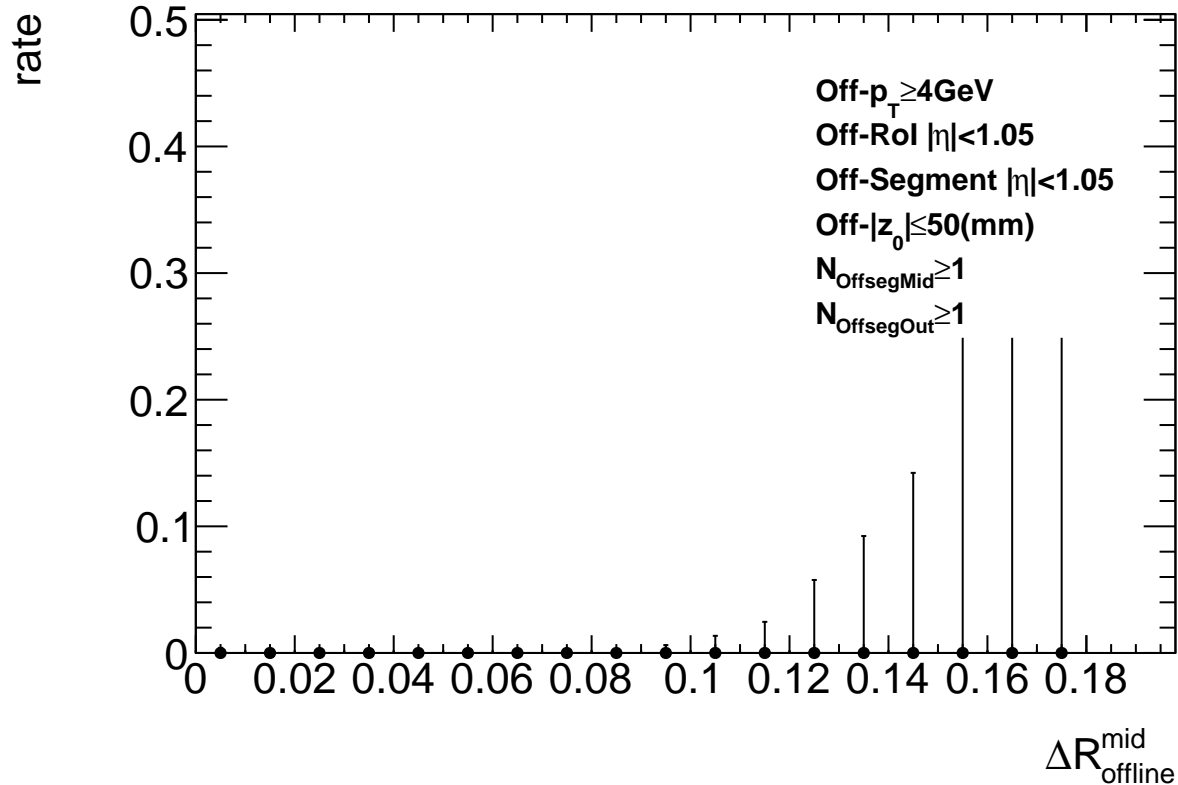
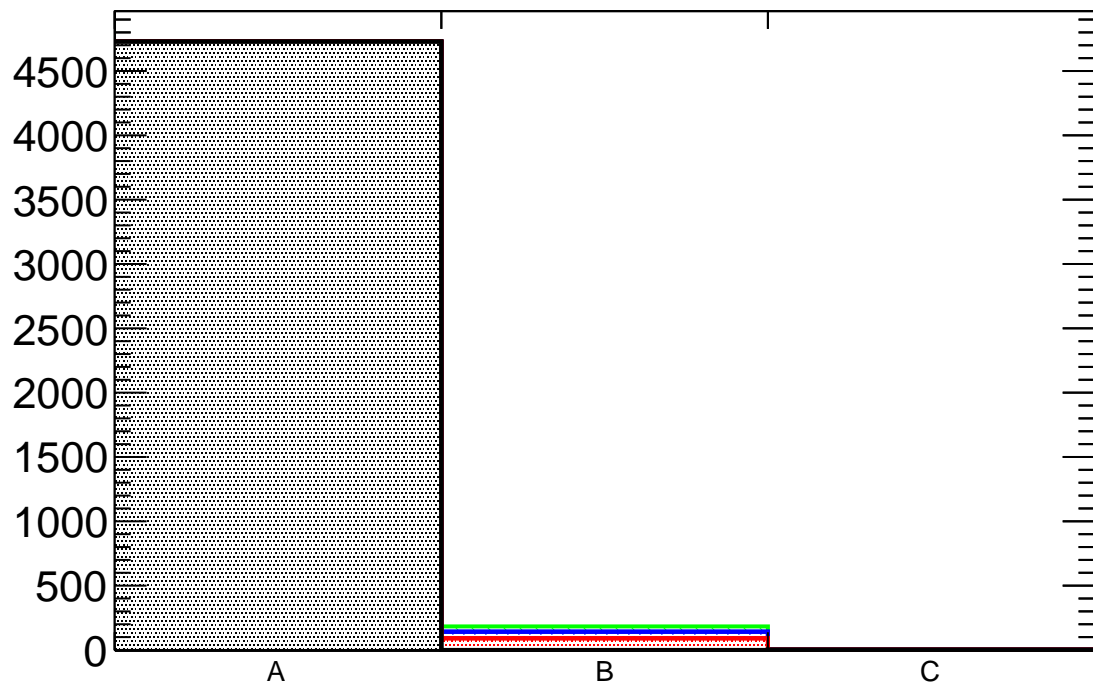


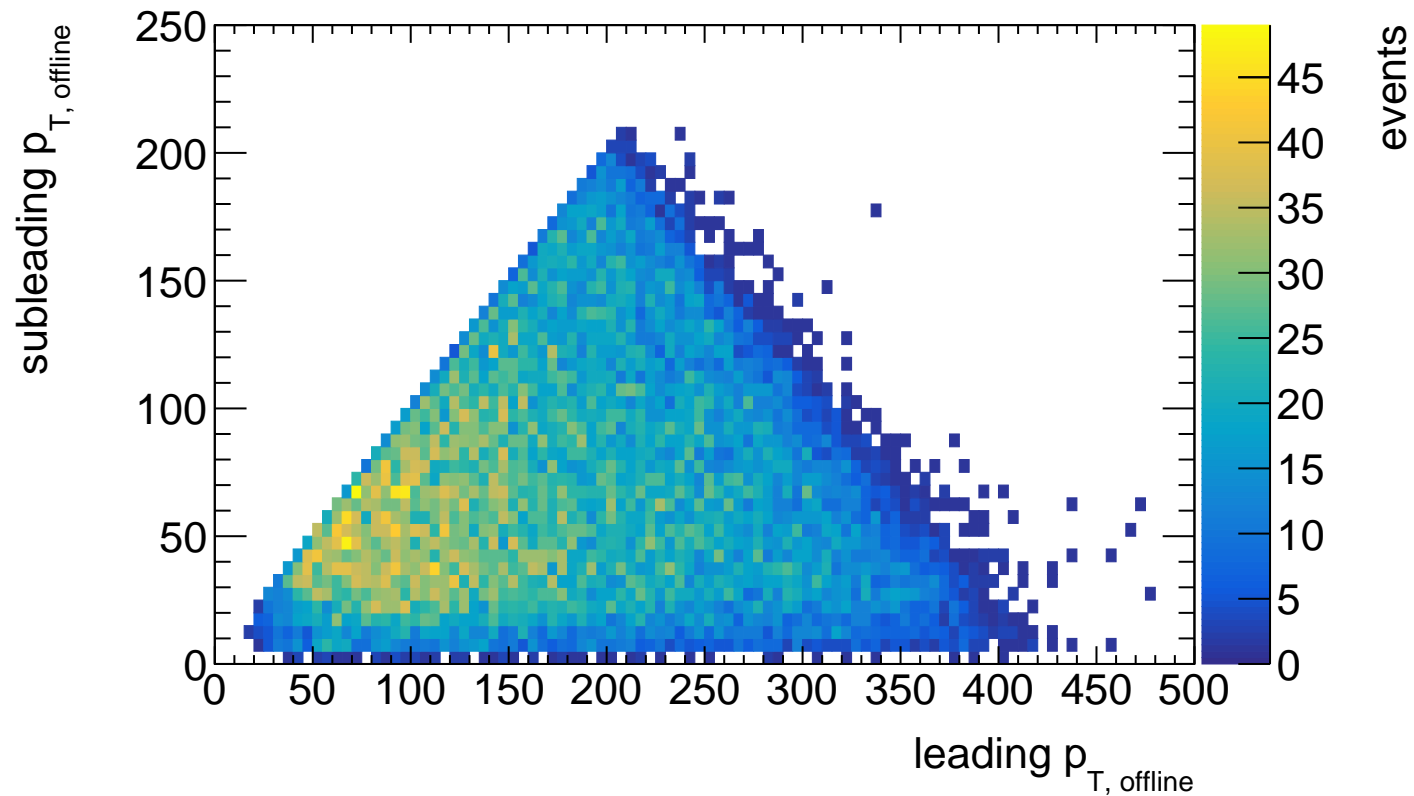
Rate of isMoreCandinRol=true events !barrel event only!



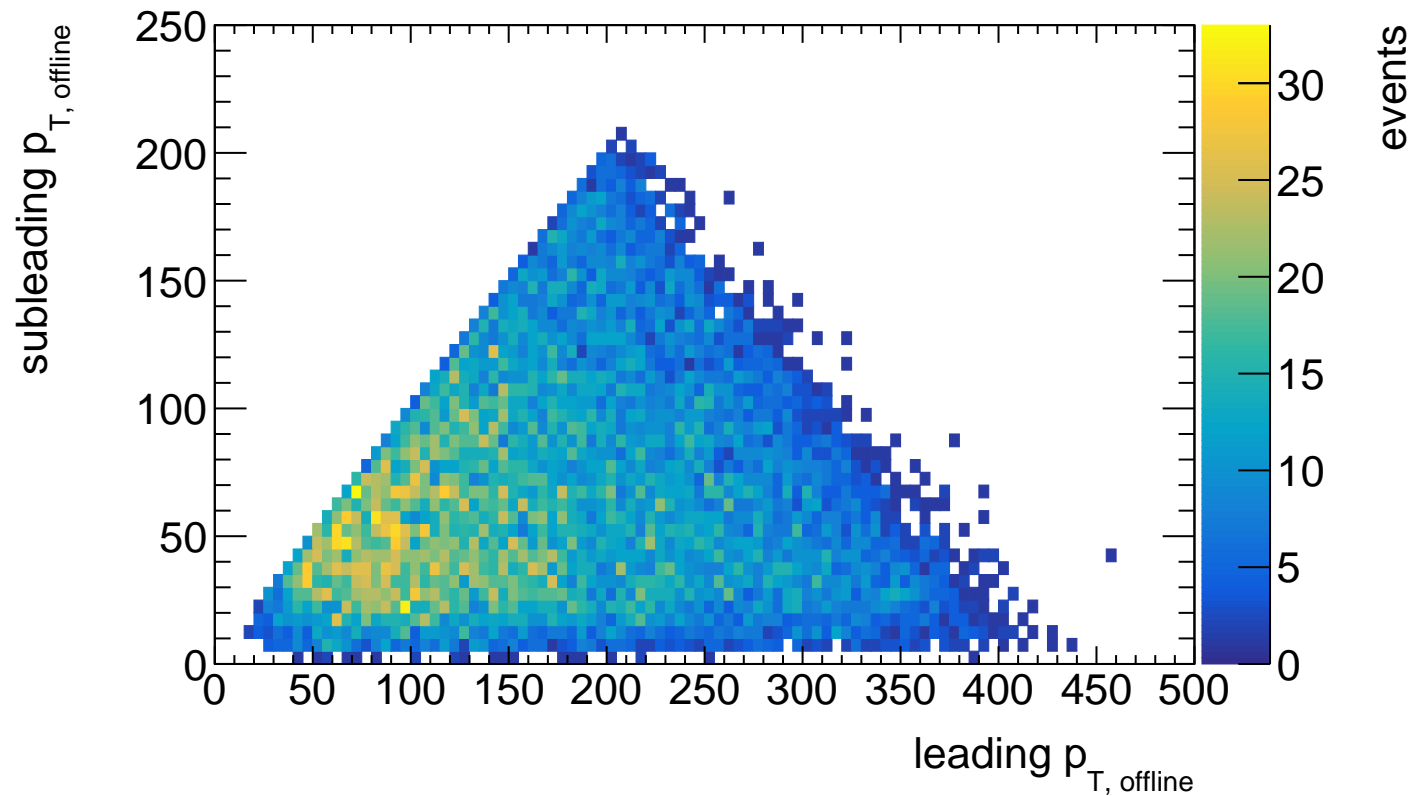
$N_{\text{superpoint}}$ condition when much lower p_T was calculated



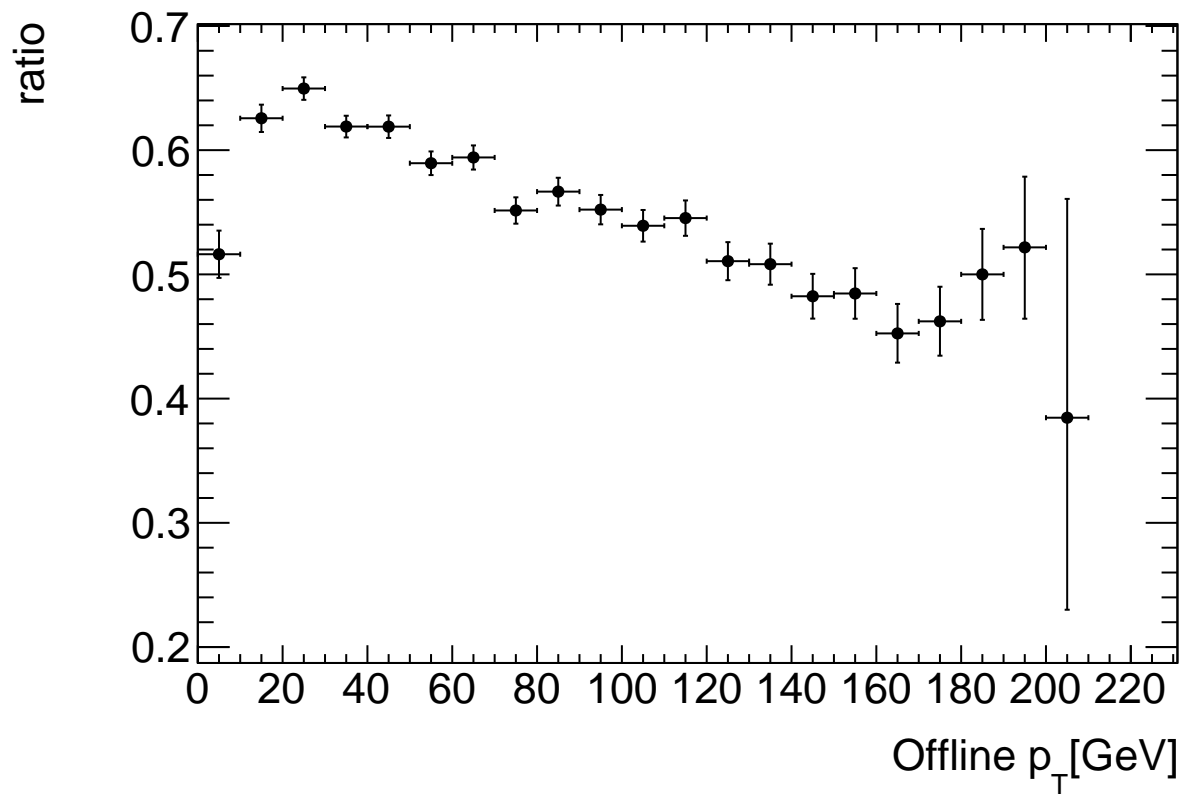
Offline pT : 2mu-in-1RoI



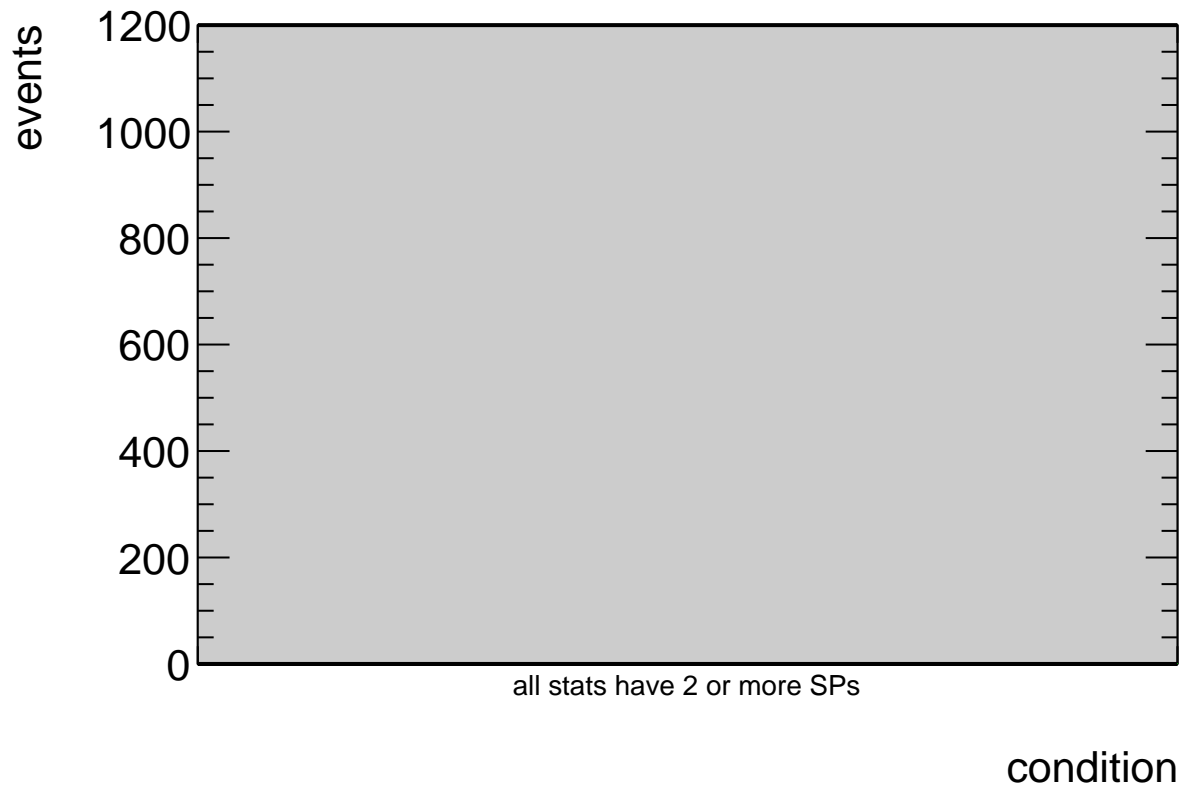
Offline pT : 2mu-in-1Rol&oppcharge pT calculated



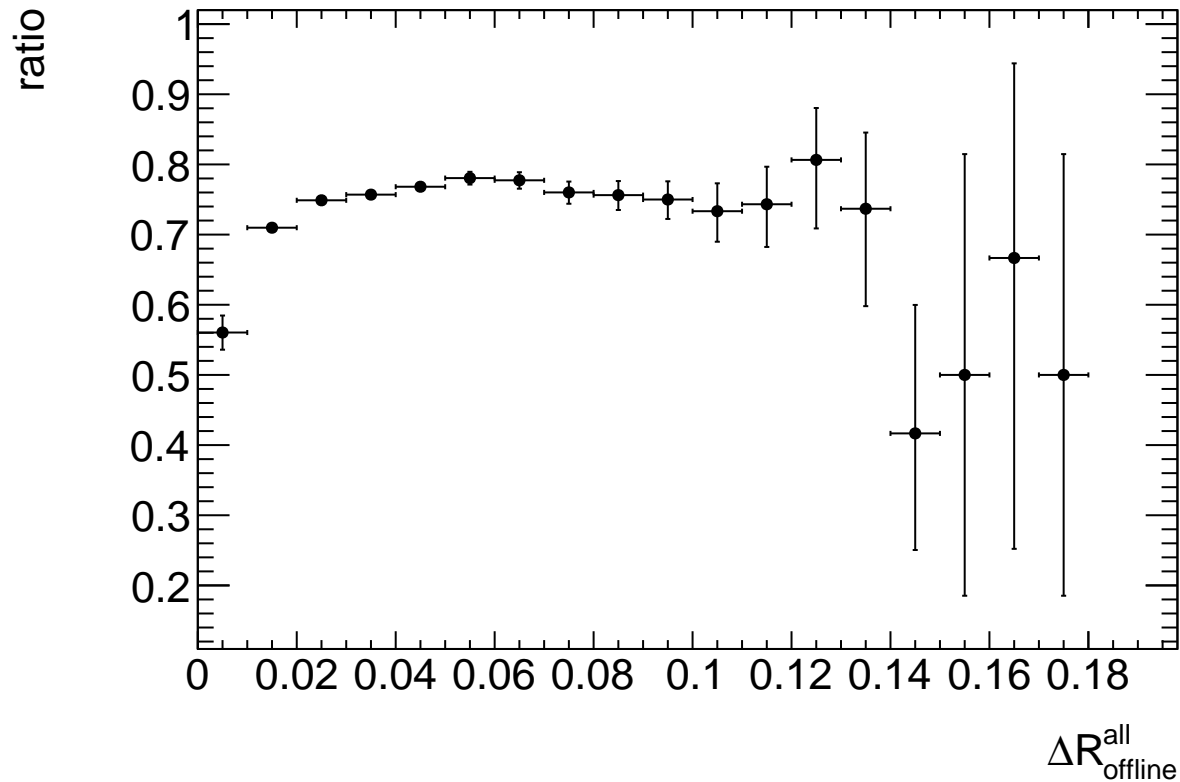
Ratio of $N_{p_T=2}$ & opposite charge events



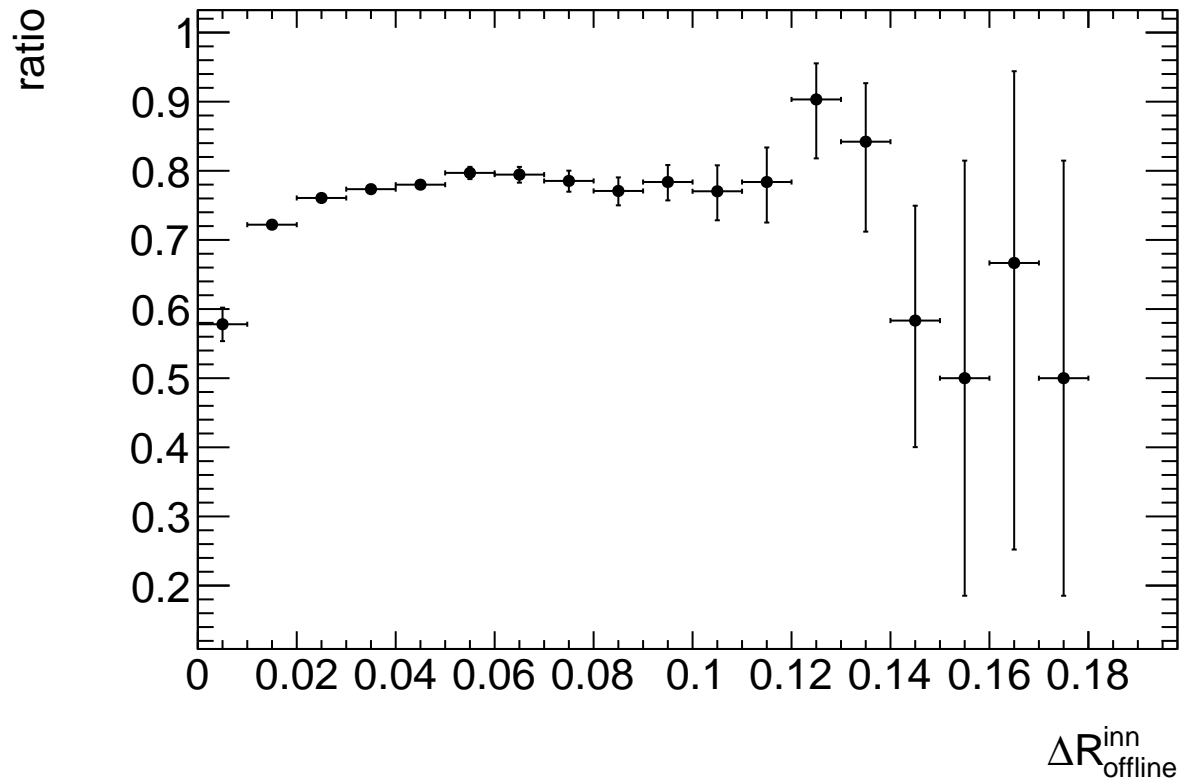
$N_{\text{superpoint}}$ condition when much lower p_T was calculated



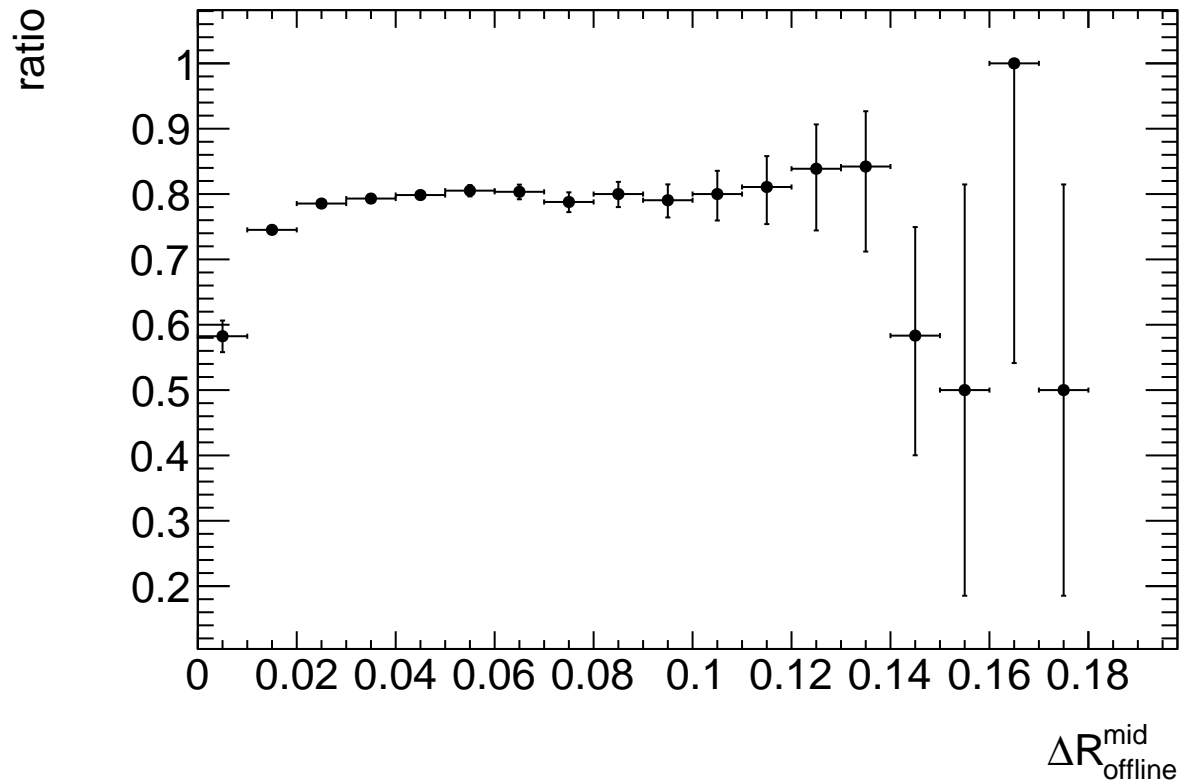
Ratio of $N_{\text{spall}}=2$ events



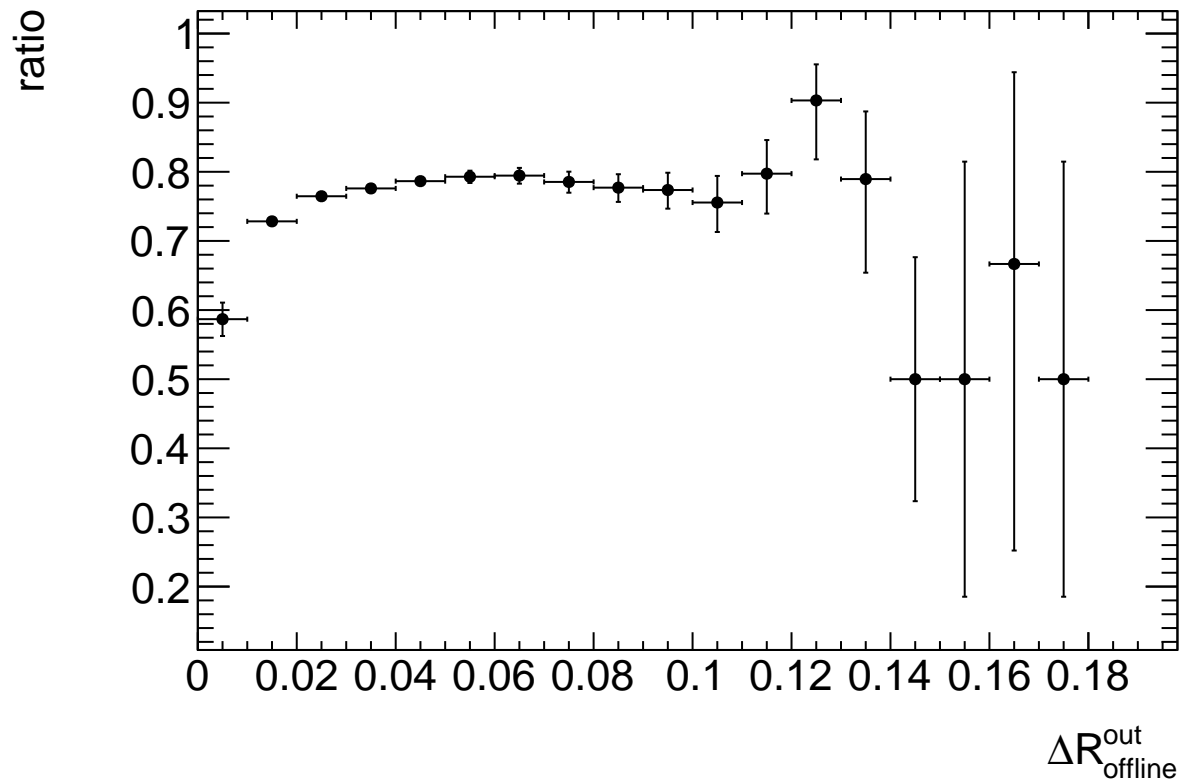
Ratio of $N_{\text{spinn}}=2$ events



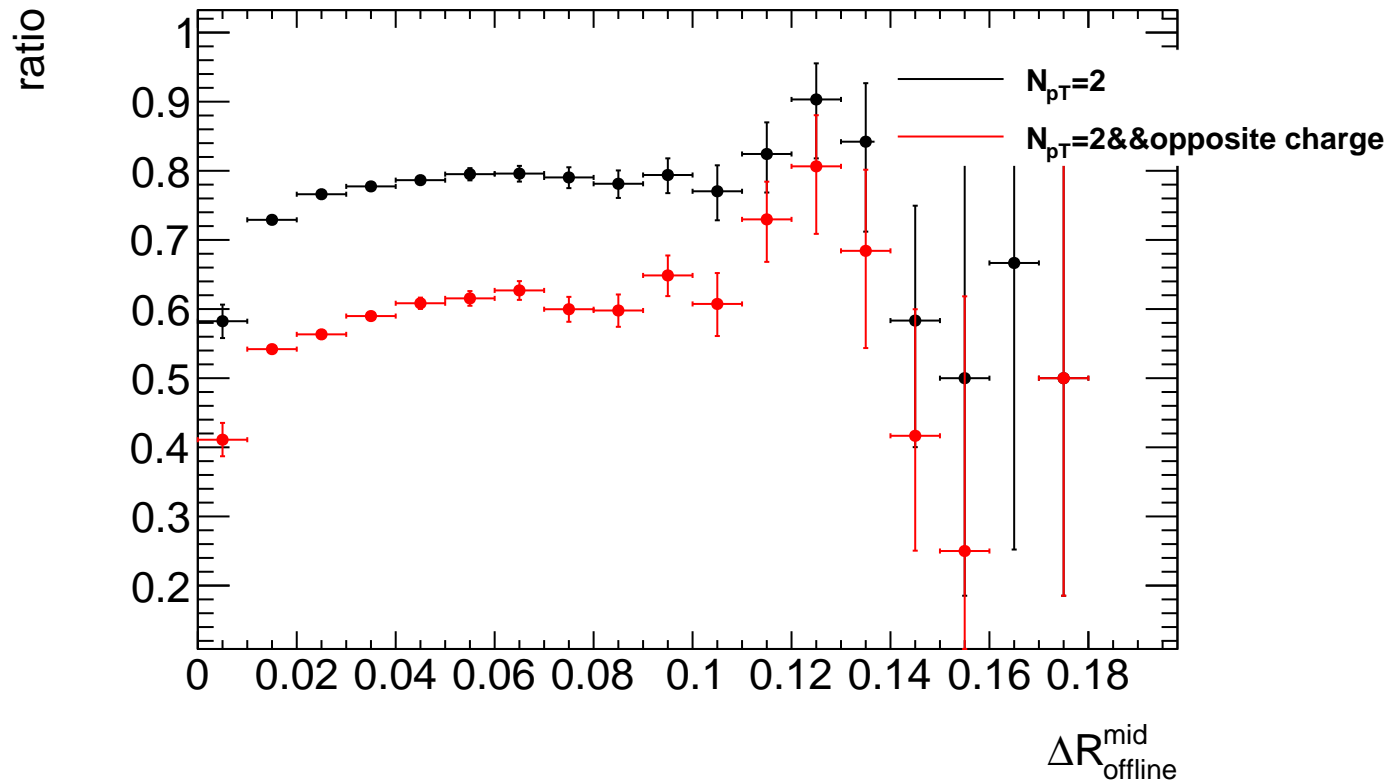
Ratio of $N_{\text{spmid}}=2$ events



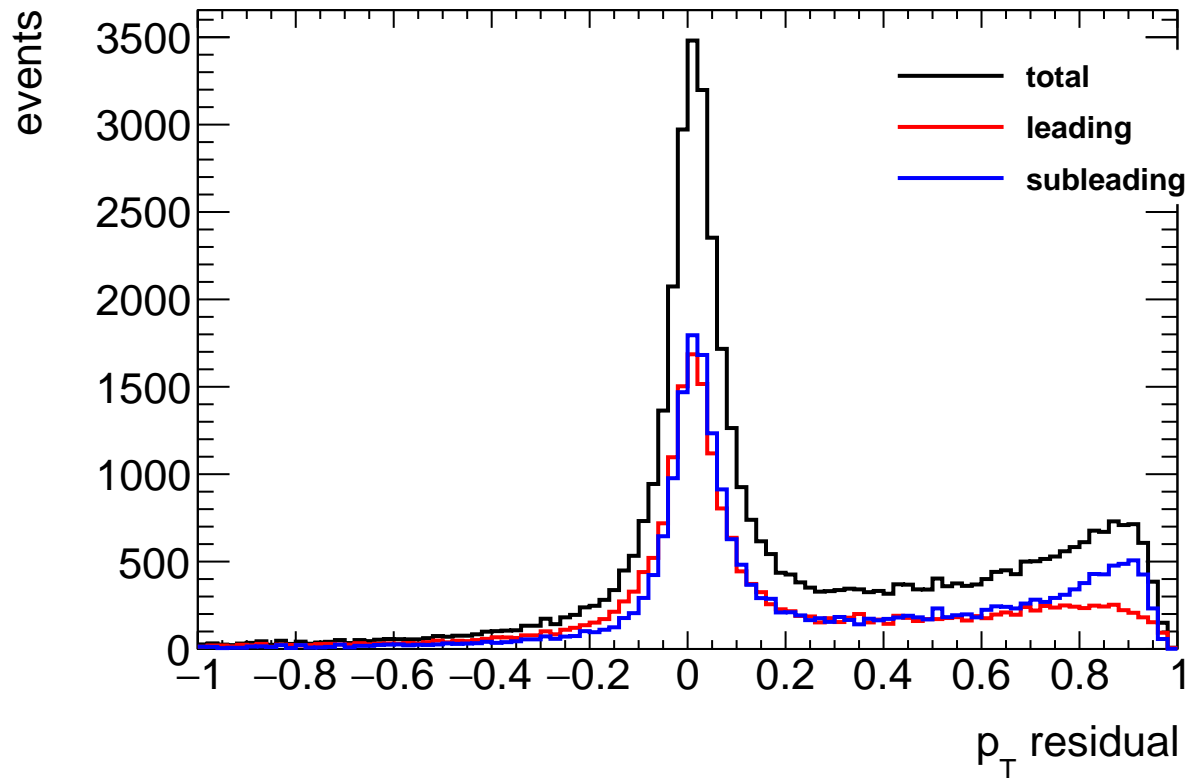
Ratio of $N_{\text{spout}}=2$ events



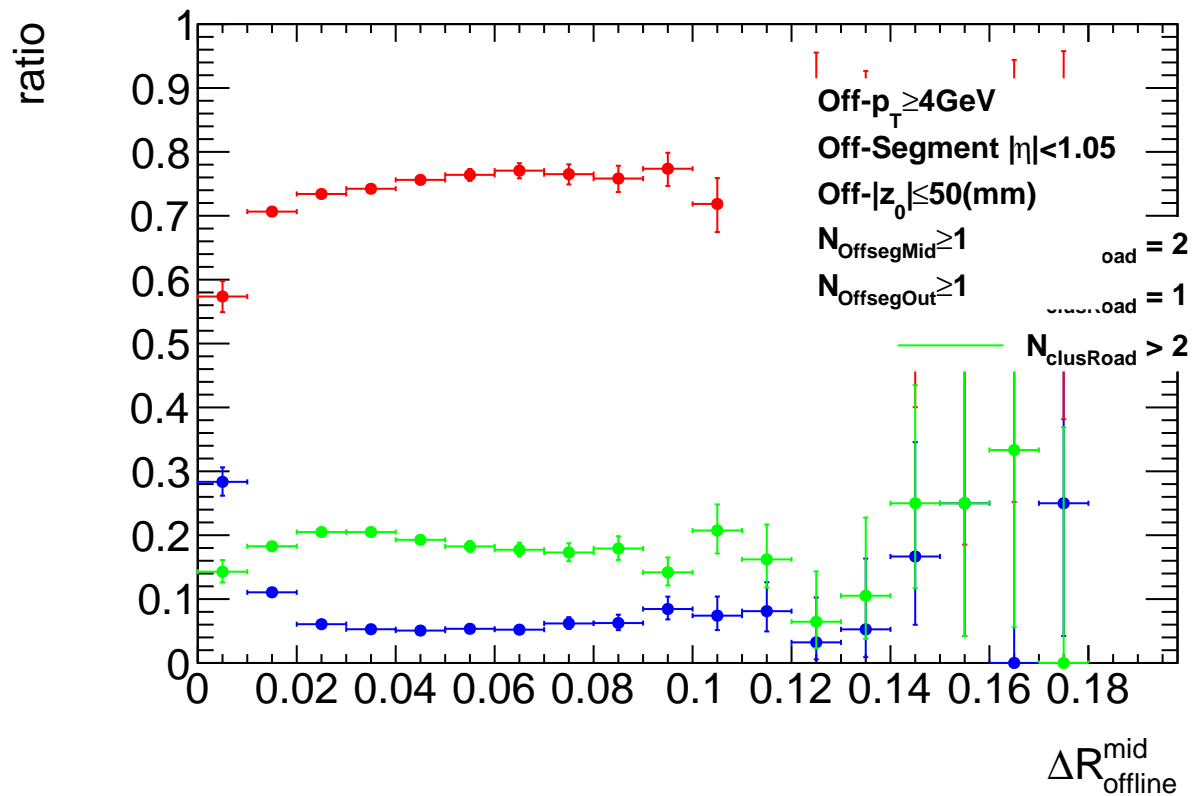
Ratio of $N_{pT=2}$ events



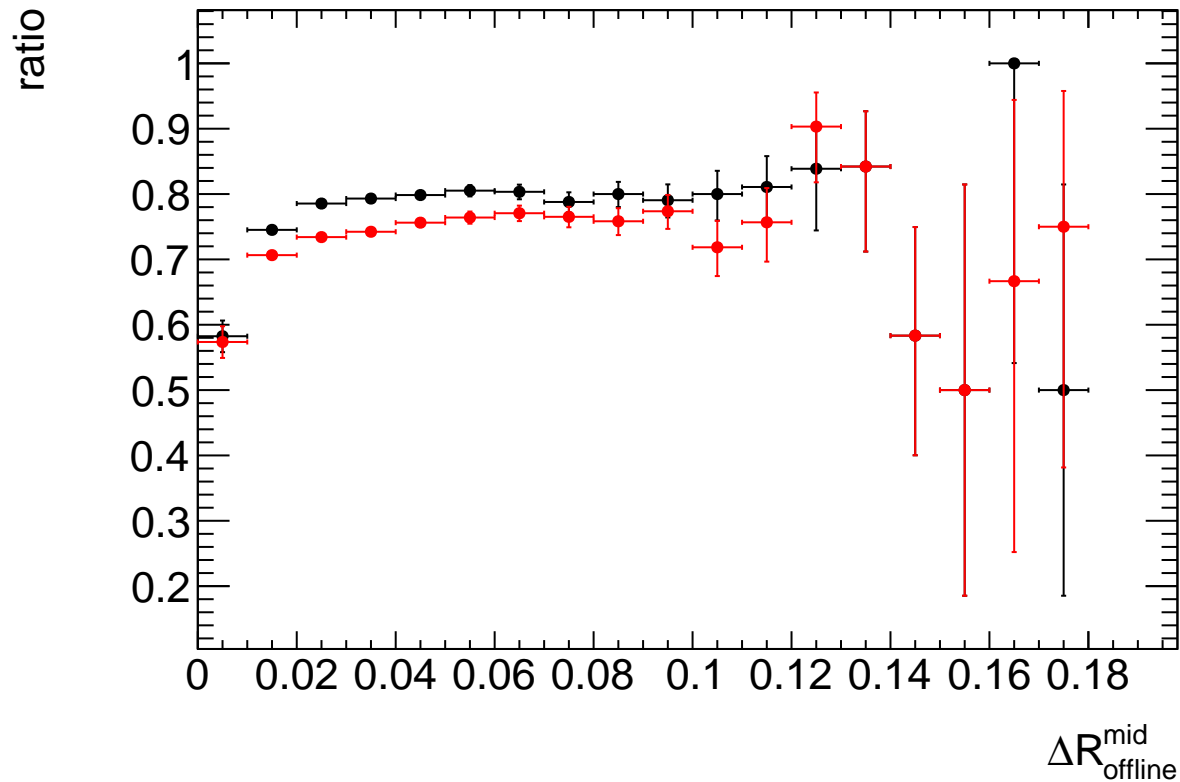
$$p_T \text{ residual} = 1 - p_T^{\text{SAcluster}} / p_T^{\text{offline}} \text{ leading \& subleading}$$



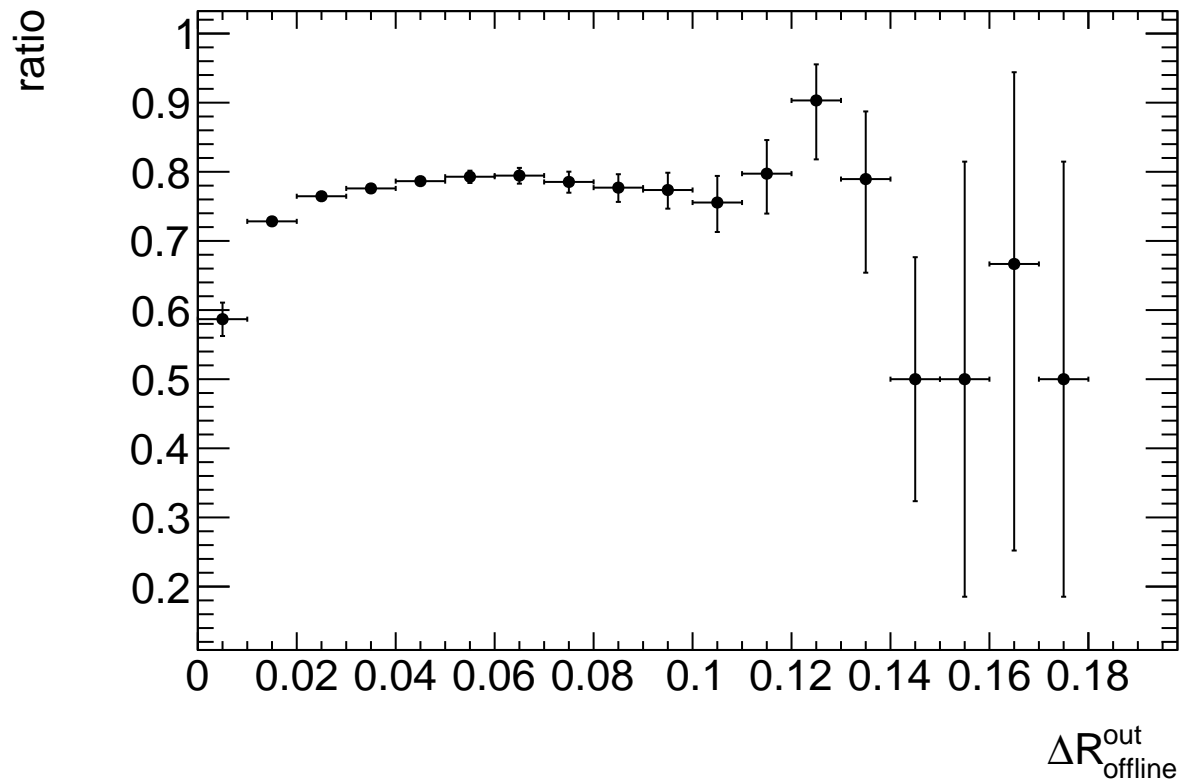
Ratio of $N_{\text{clusRoad}}=2$ events



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

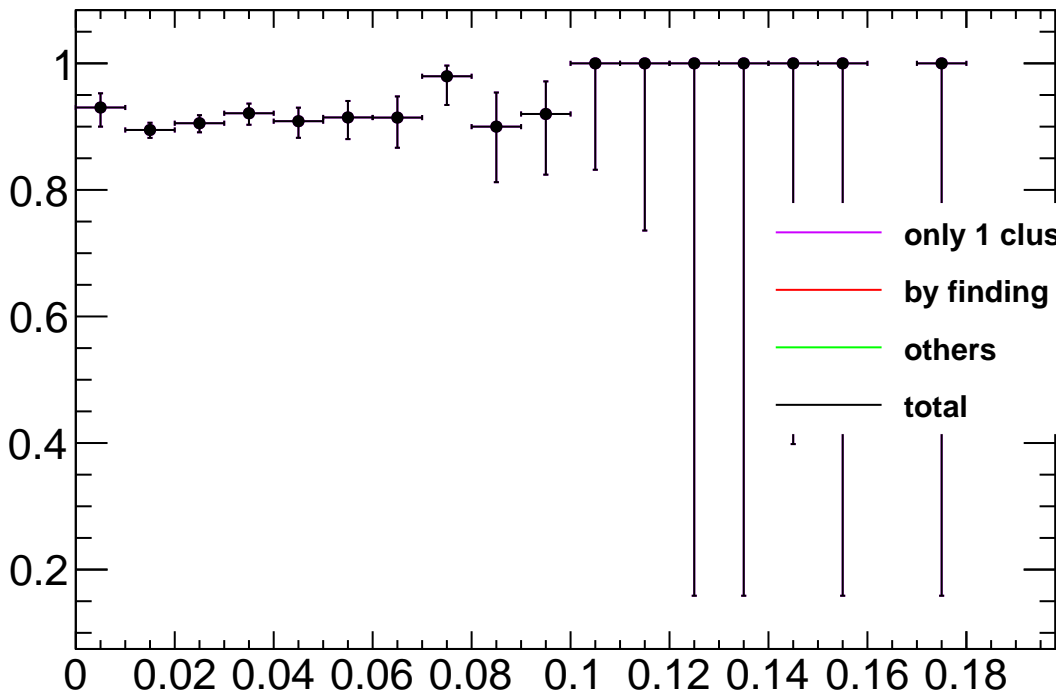


Ratio of $N_{\text{spout}}=2$ events



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

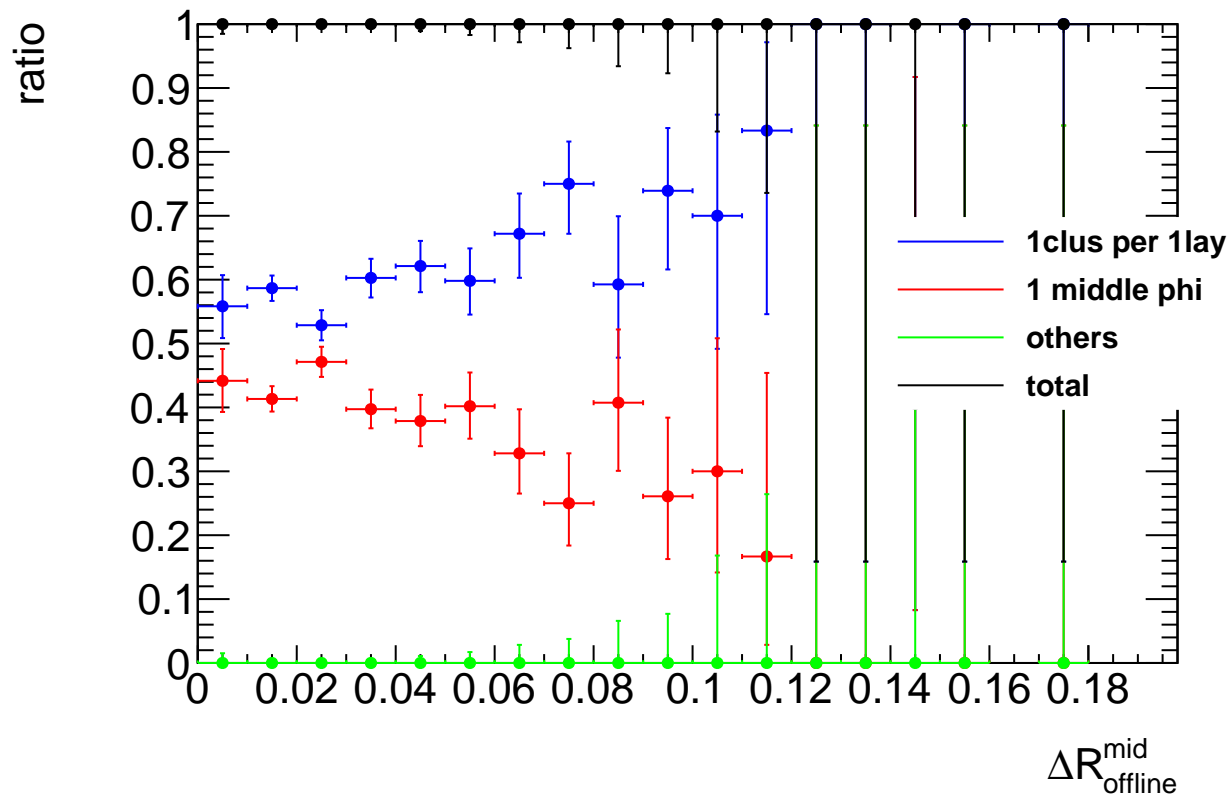
ratio



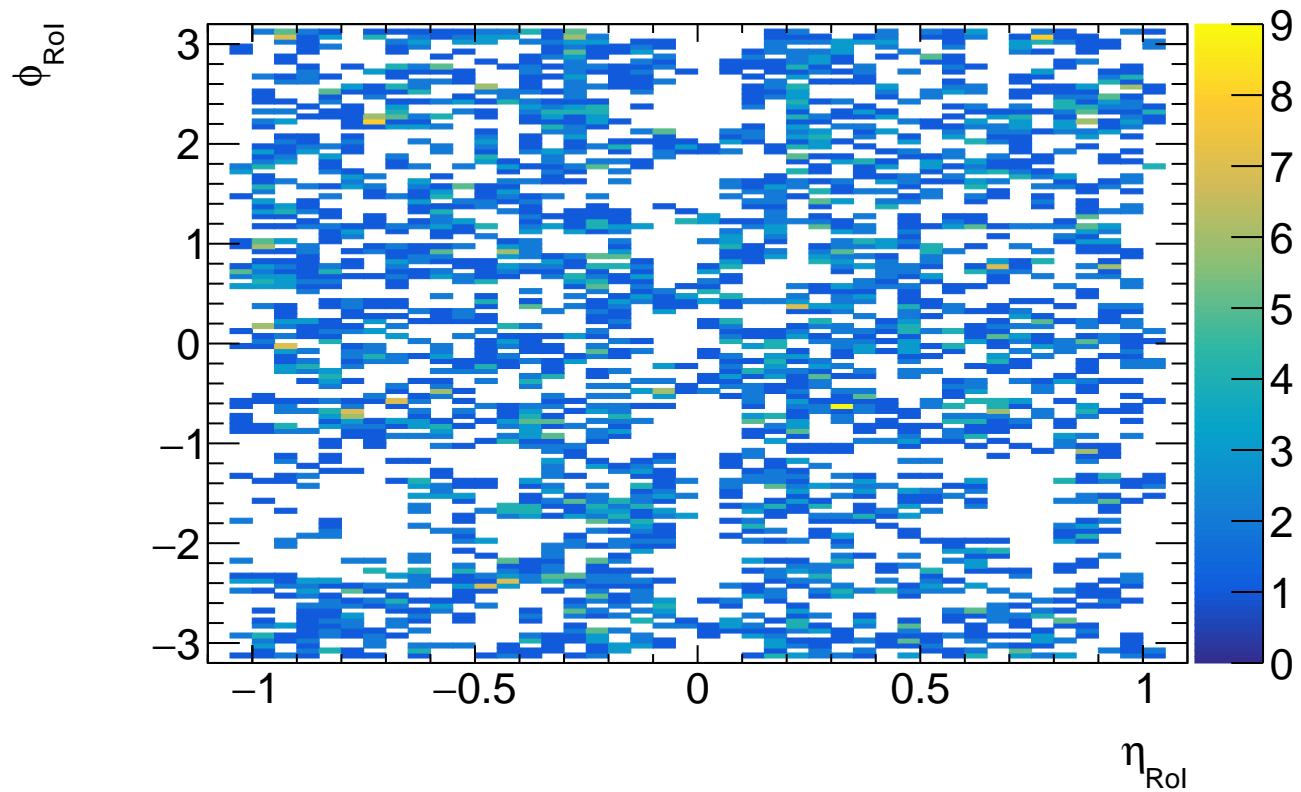
only 1 clus by 1mu
by finding same clus in lay1
others
total

$\Delta R_{\text{mid}}^{\text{offline}}$

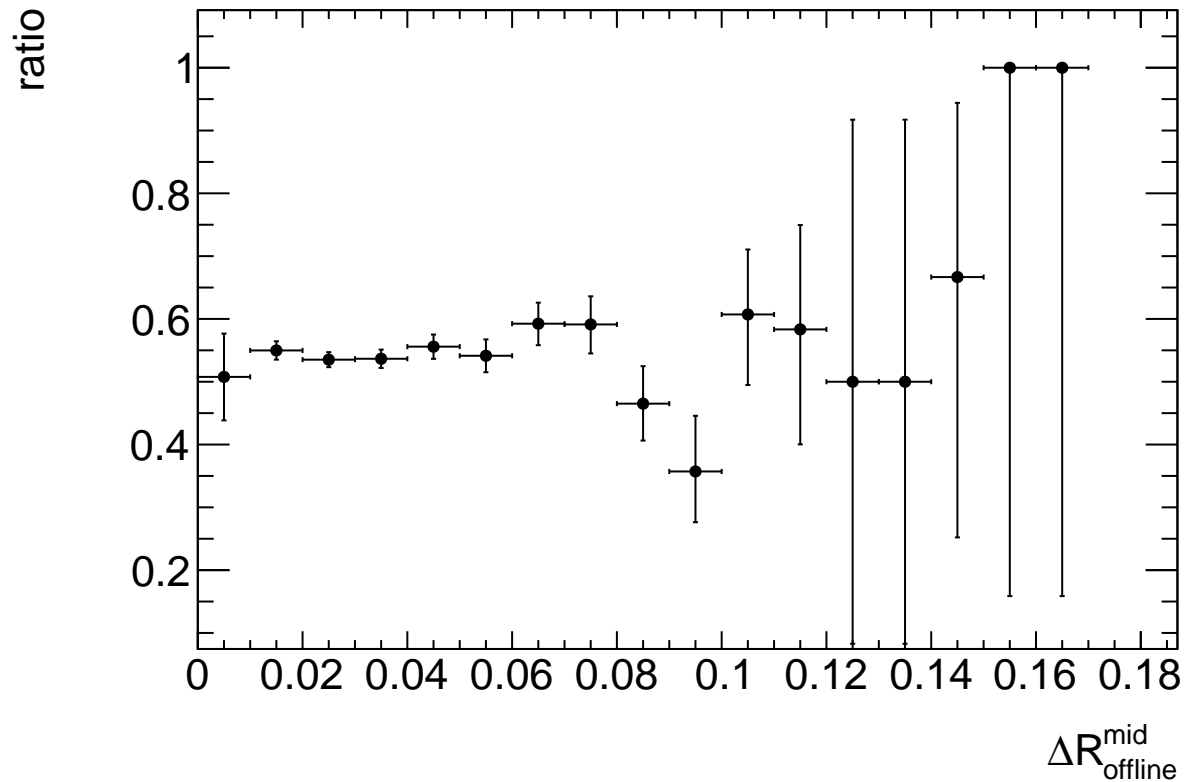
Ratio $N_{1clus}/N_{clusRoad}=1$



η_{RoI} vs ϕ_{RoI} (1clusterRoad)

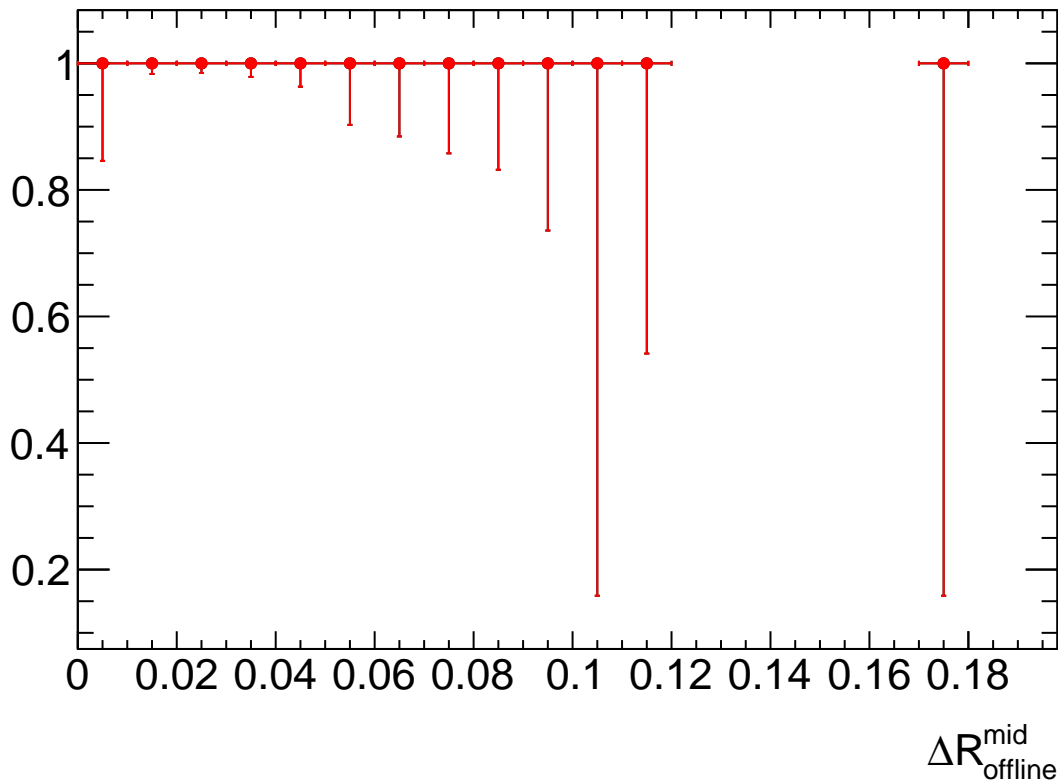


Ratio $N_{3\text{clus in 2layers}}/N_{\text{clusRoad}} > 2$

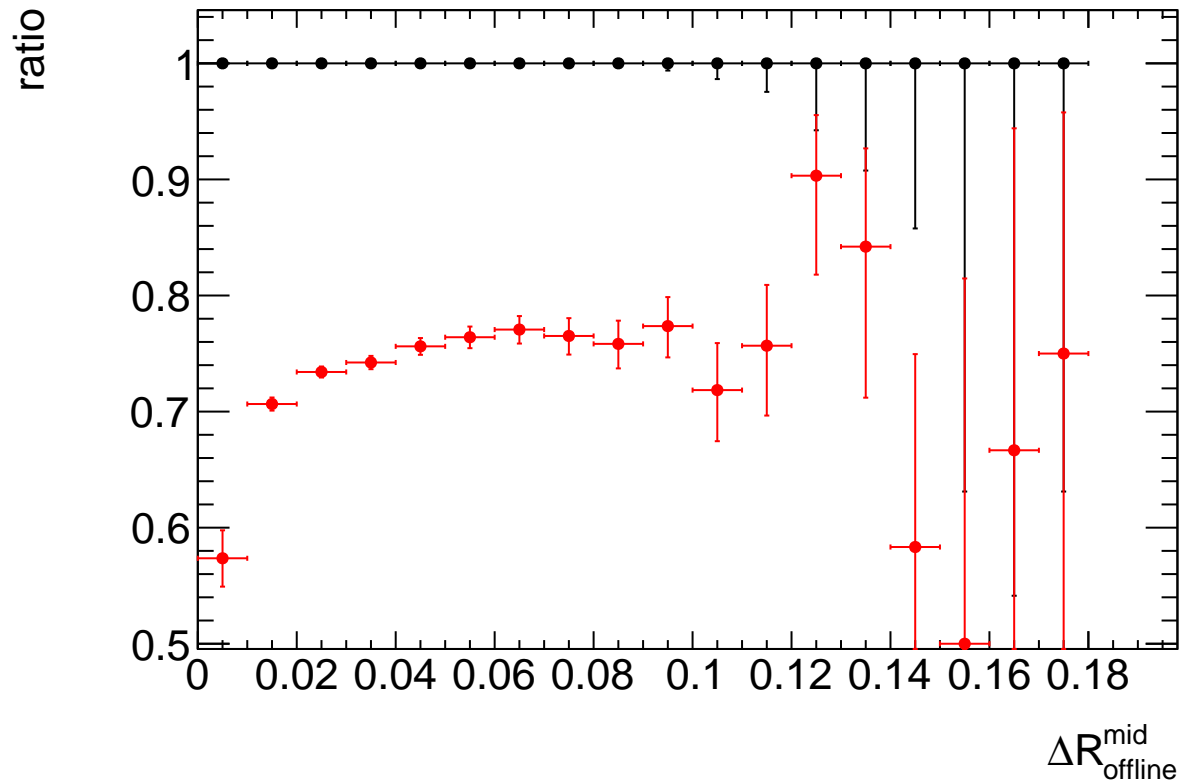


Ratio $N_{<3 \text{ mdt}}/N_{\text{clusRoad}=2 \& N_{\text{sp}}<2}$

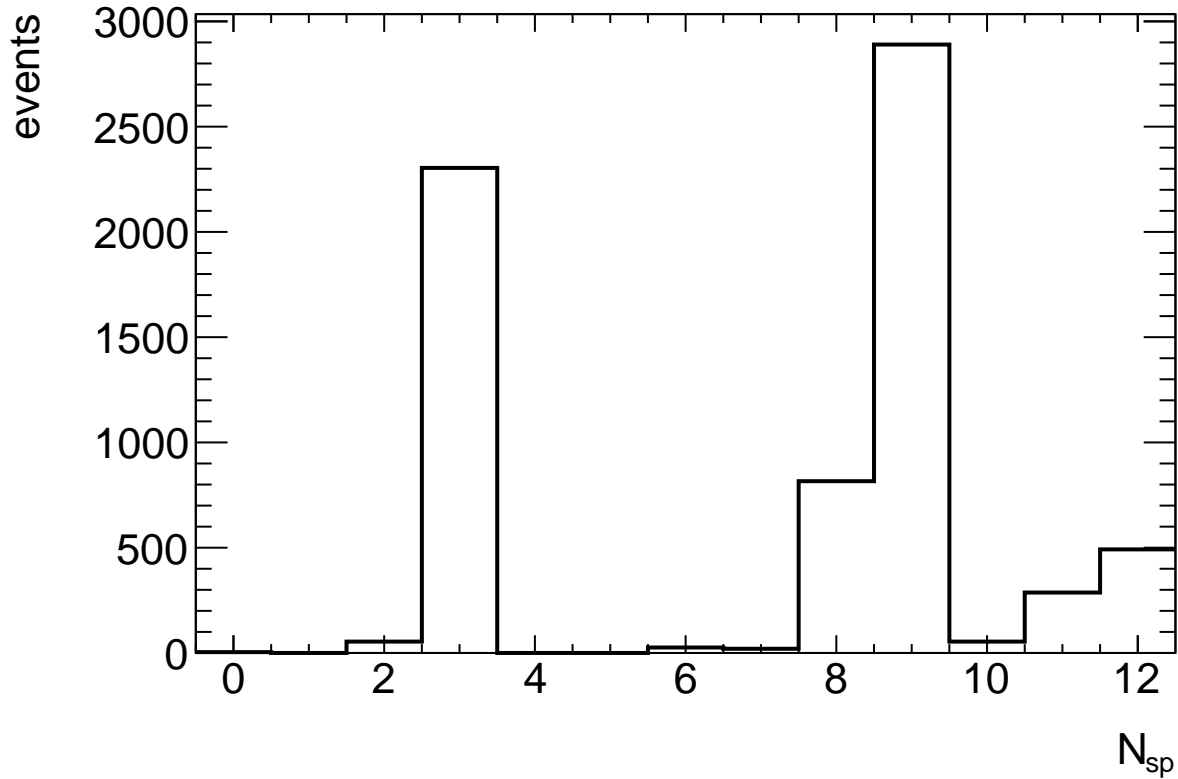
ratio



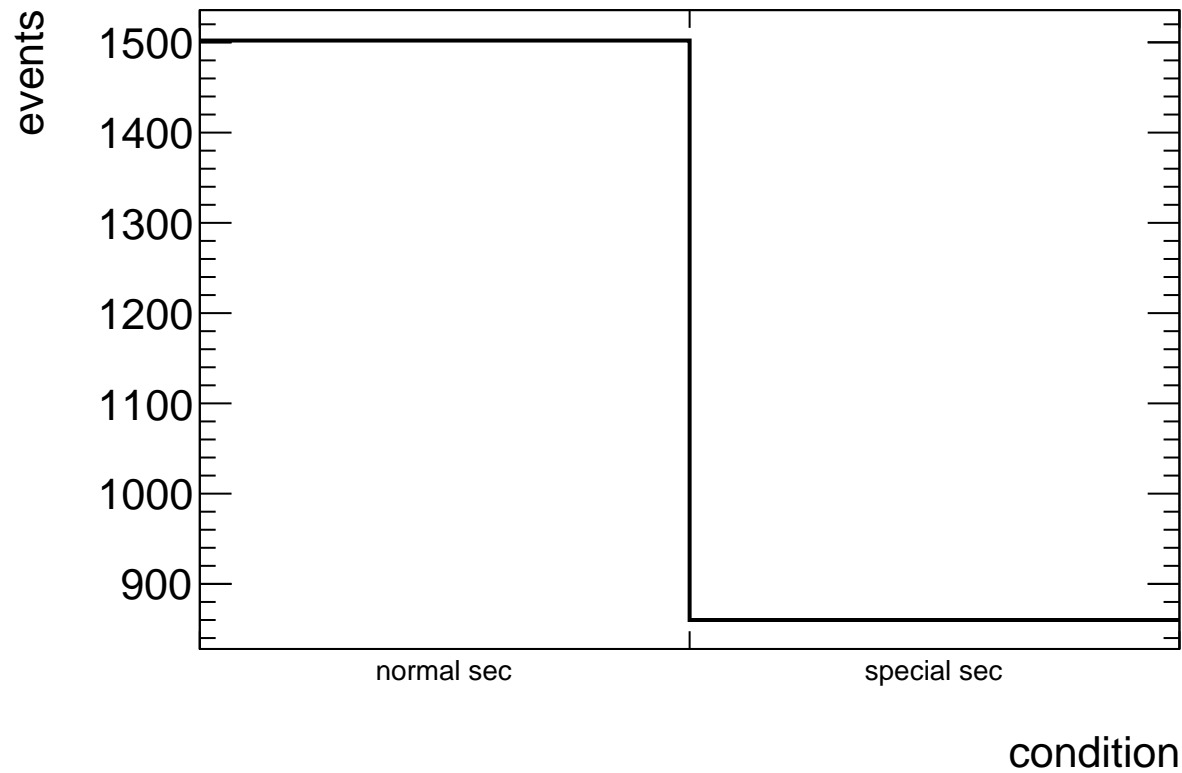
Ratio of 2muon in 1Rol tower events



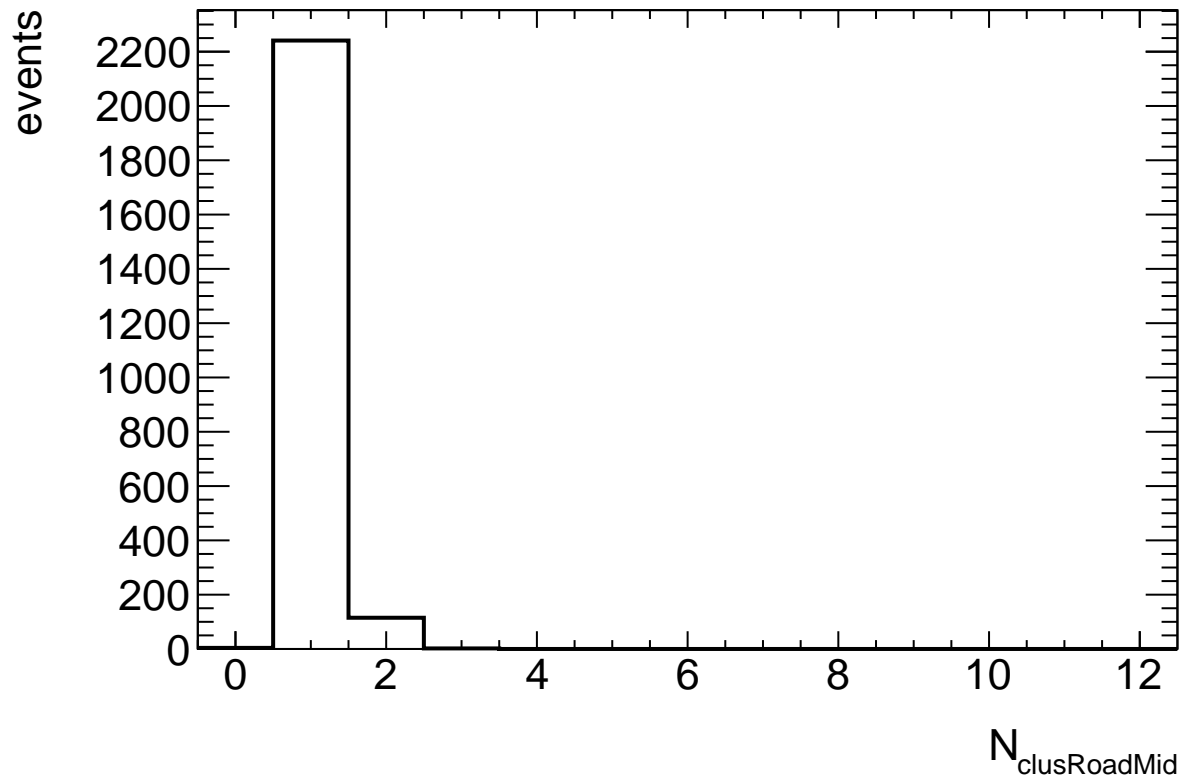
the number of superpoint ($N_{pT} \neq 2$)



$N_{pT} < 2$ sector



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



the number of pT from clusterRoad

