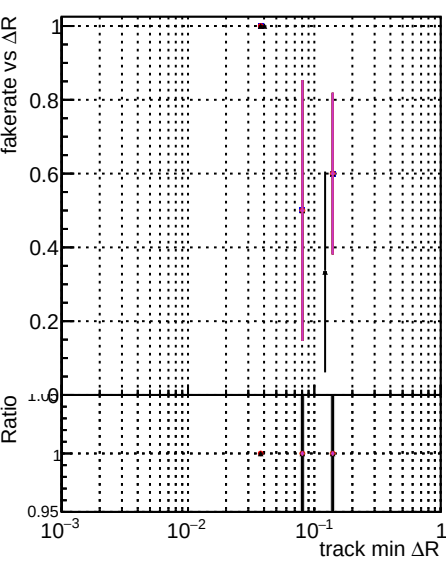
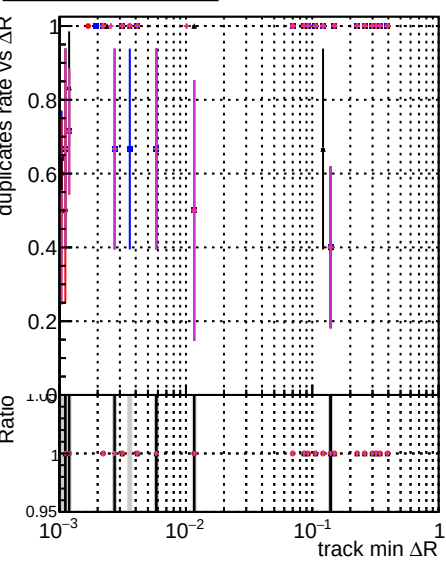


Fake rate vs dr



Duplicates Rate vs dr

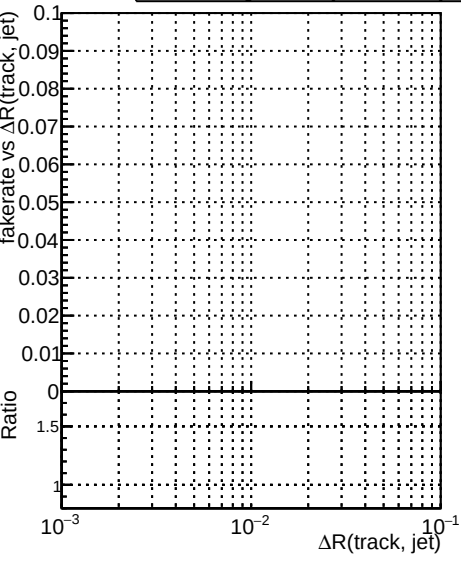


Pileup rate vs dr

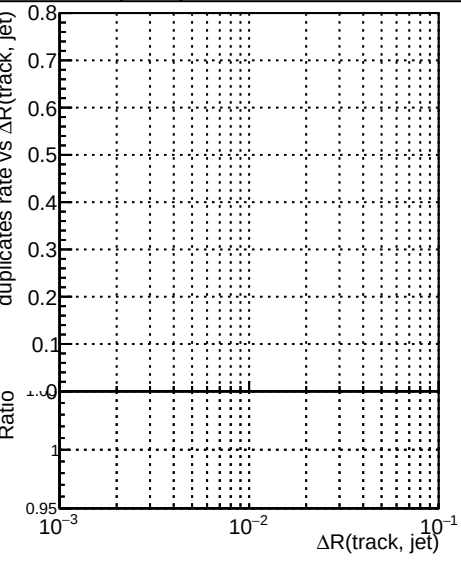


Legend for Fake rate vs  $\Delta R$ , Duplicates Rate vs  $\Delta R$ , and Pileup rate vs  $\Delta R$ :  
- original (blue line with dots)  
- step2 (red line with dots)  
- pt1to20 (orange line with dots)  
- eta0p0to0p4 (magenta line with dots)

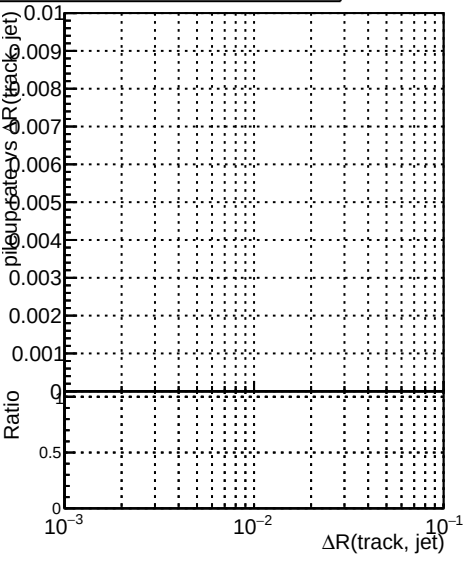
Fake rate vs  $\Delta R$ (track, jet)



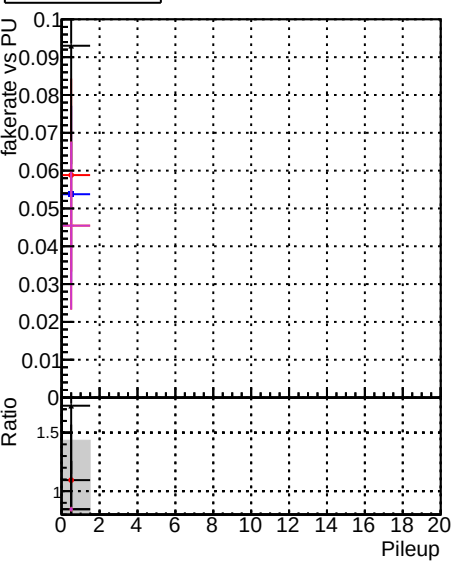
Duplicates rate vs  $\Delta R$ (track, jet)



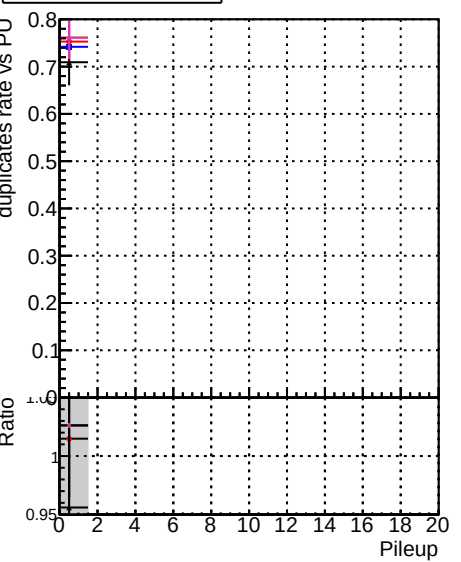
Pileup rate vs  $\Delta R$ (track, jet)



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

