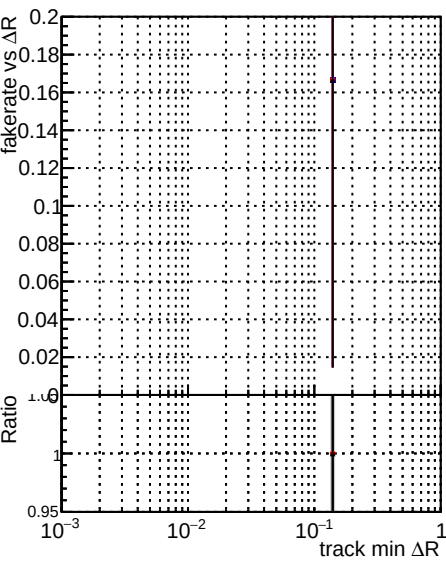


Fake rate vs dr



Duplicates Rate vs dr

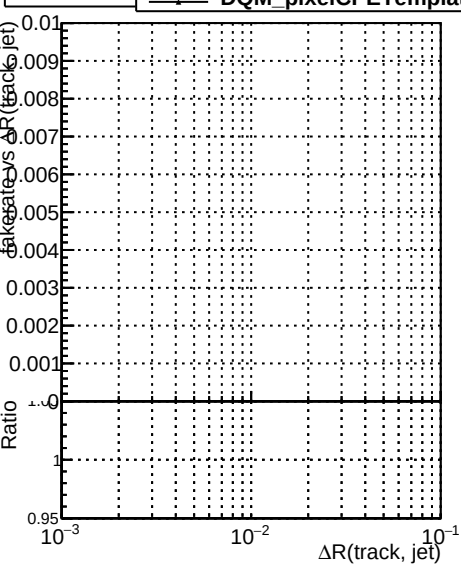


Pileup rate vs dr

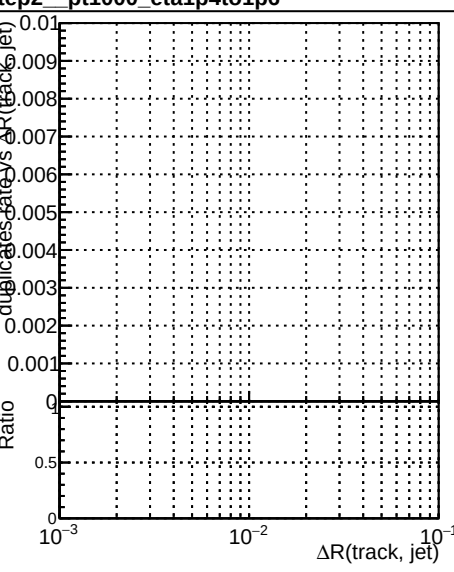


Legend: DQM original step2\_pt1000\_eta1p4to1p6 (blue line with dots), DQM mkFit step2\_pt1000\_eta1p4to1p6 (red line with dots), DQM pixelCPETemplate step2\_pt1000\_eta1p4to1p6 (black line with dots)

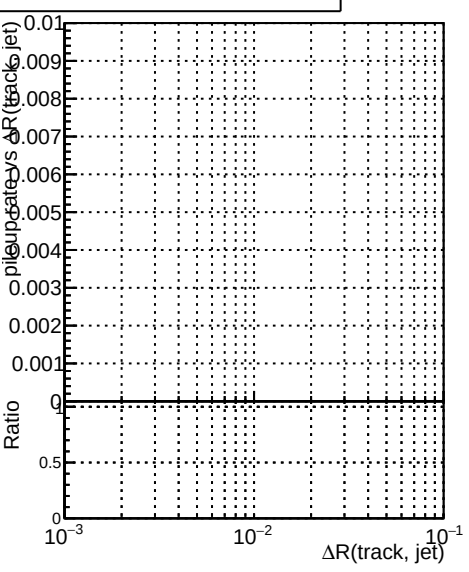
Fake rate vs  $\Delta R$ (track, jet)



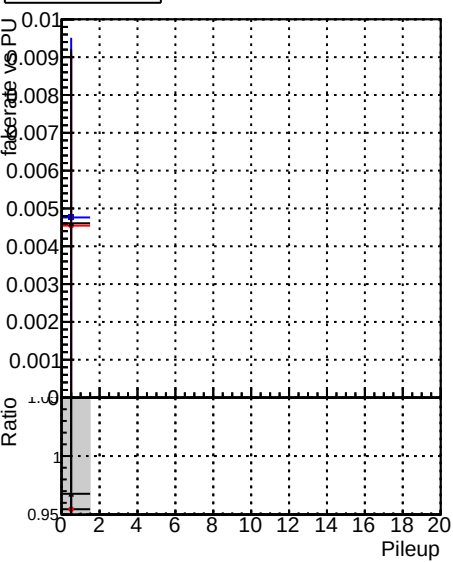
Duplicates Rate vs  $\Delta R$ (track, jet)



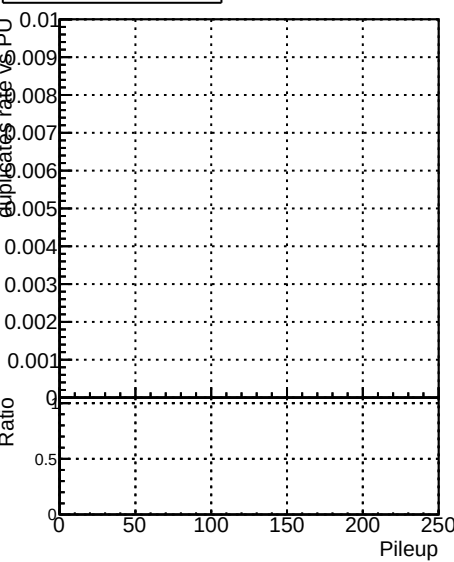
Pileup rate vs  $\Delta R$ (track, jet)



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

