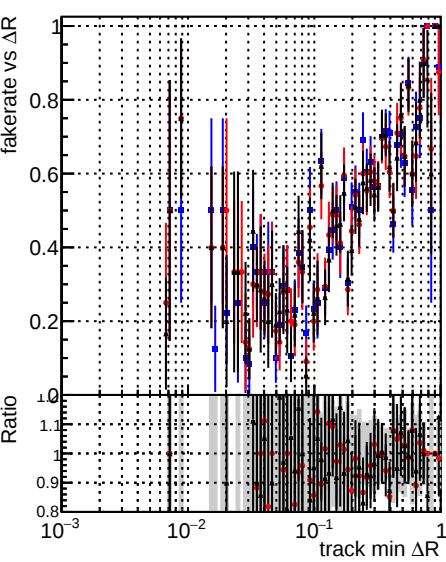


Fake rate vs dr



Duplicates Rate vs dr



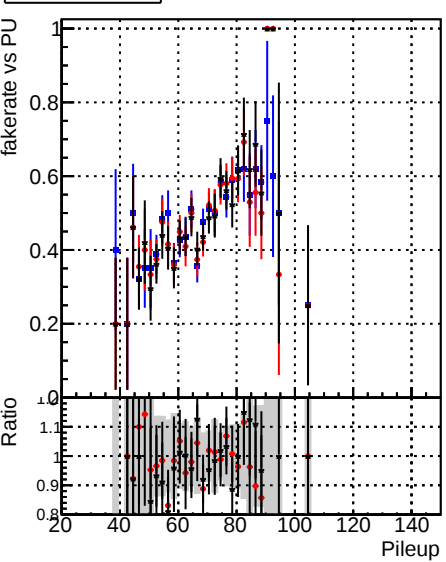
Pileup rate vs dr



Fake rate vs  $\Delta R(\text{track, jet})$  Duplicates Rate vs  $\Delta R(\text{track, jet})$  Pileup rate vs  $\Delta R(\text{track, jet})$



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

