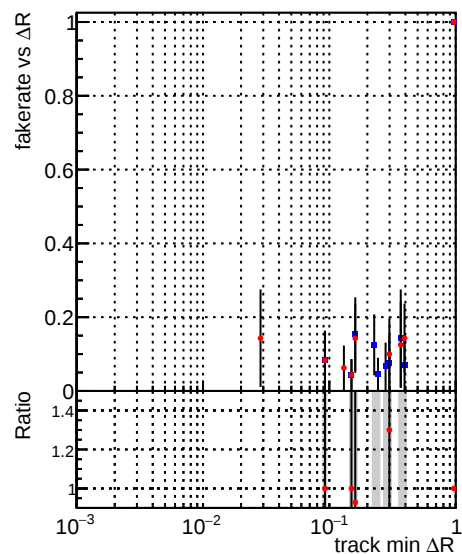


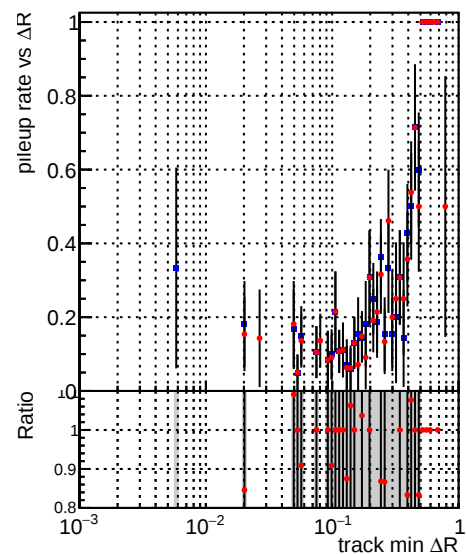
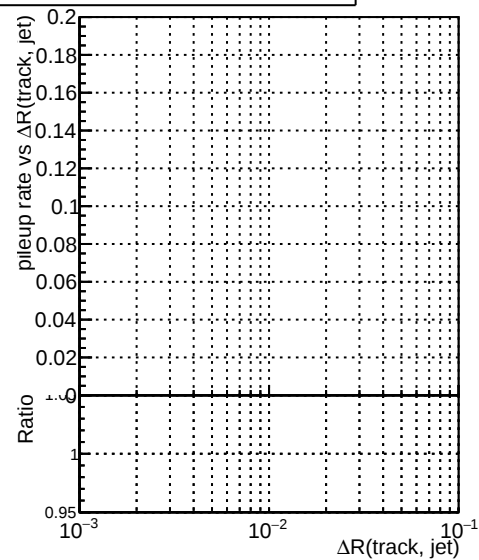
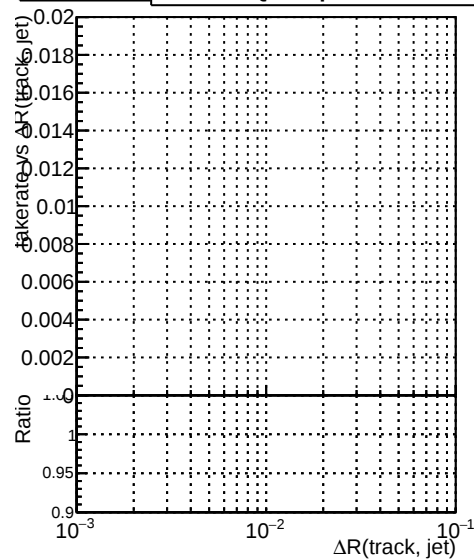
Fake rate vs dr



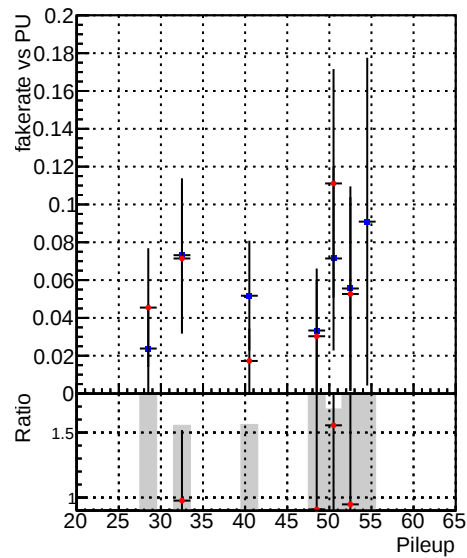
Duplicates Rate vs dr



Pileup rate vs dr

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

Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

