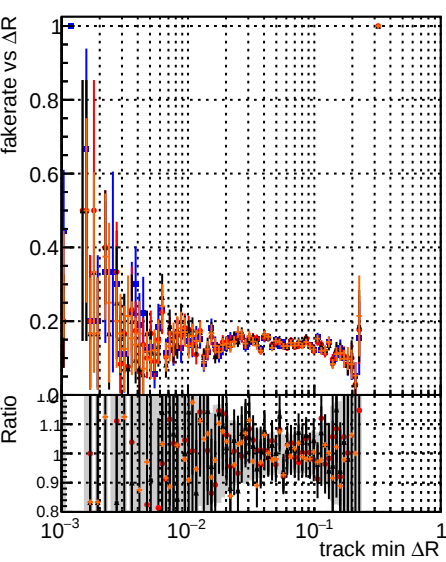
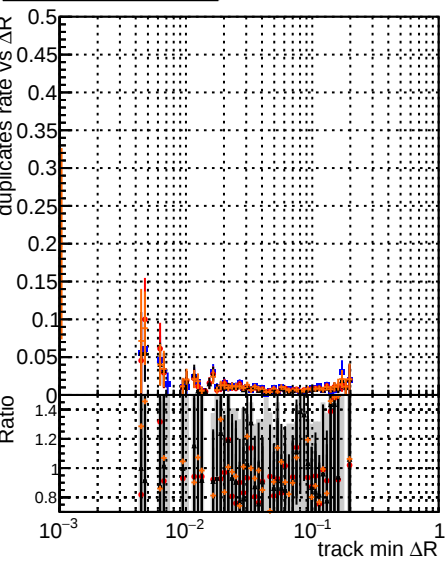


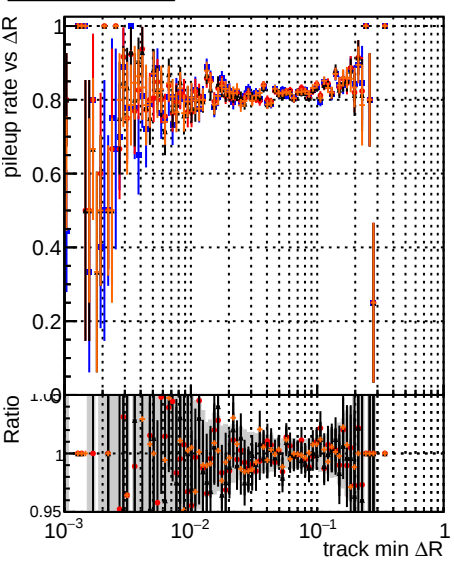
Fake rate vs dr



Duplicates Rate vs dr



Pileup rate vs dr



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