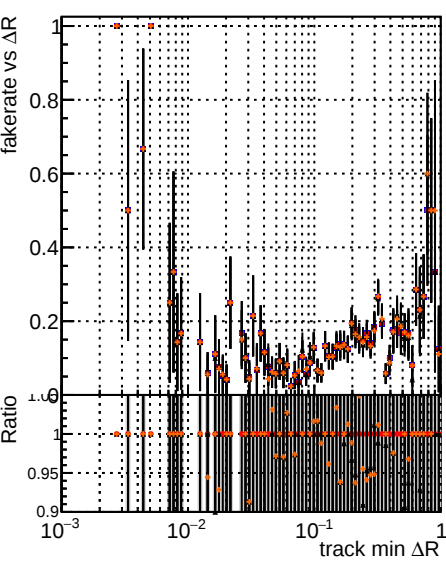


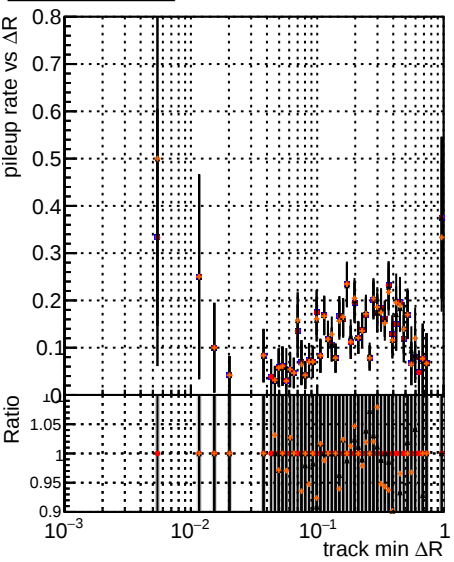
Fake rate vs dr



Duplicates Rate vs dr



Pileup rate vs dr



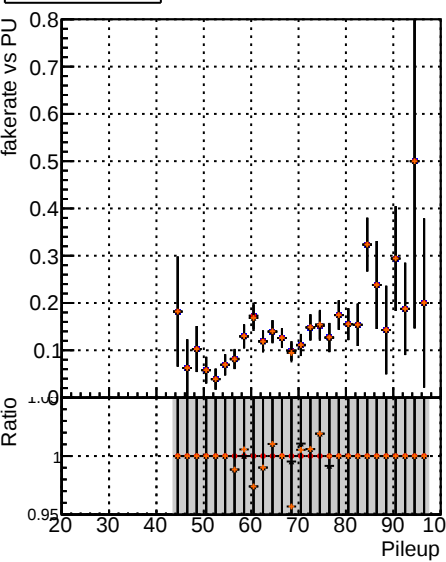
Fake rate vs $\Delta R(\text{track, jet})$

Legend:

- original lowpt (black line)
- newbranch lowpt (red line)
- original lowpt pLess (black line with dots)
- newbranch lowpt pLess (red line with dots)



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

