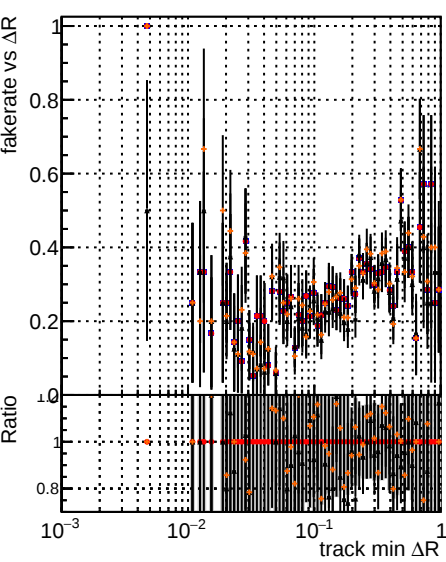


Fake rate vs dr



Duplicates Rate vs dr



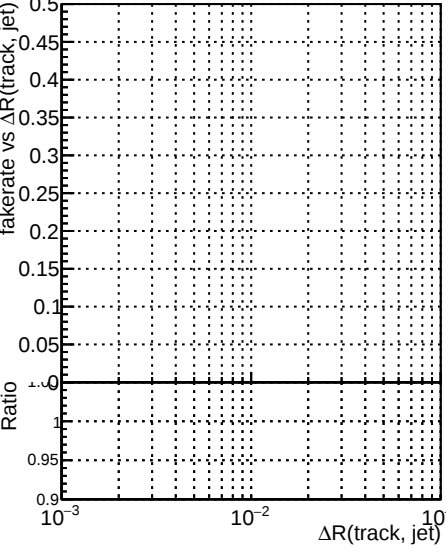
Pileup rate vs dr



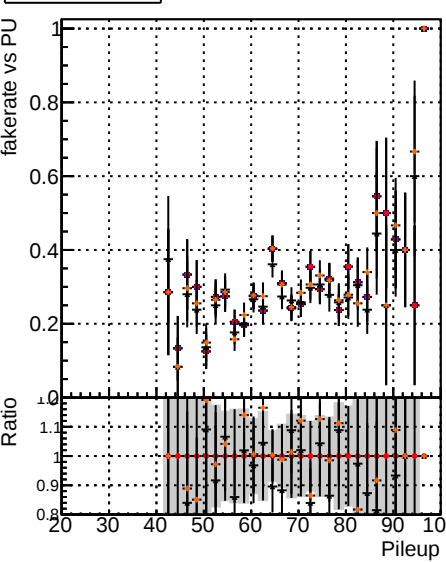
Fake rate vs $\Delta R(\text{track, jet})$

Legend:

- original lowpt (black)
- newbranch lowpt (blue)
- original lowpt pless (red)
- newbranch lowpt pless (orange)



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

