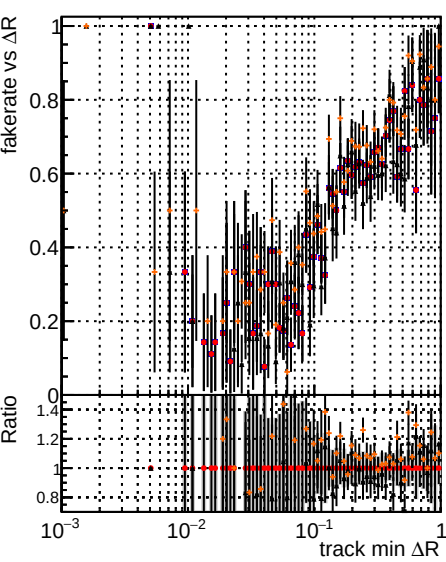


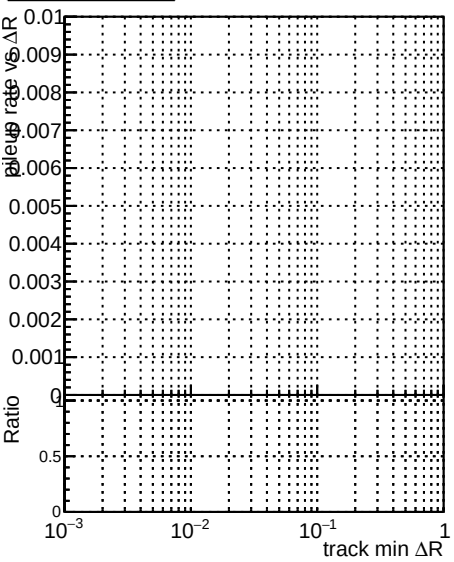
Fake rate vs dr



Duplicates Rate vs dr



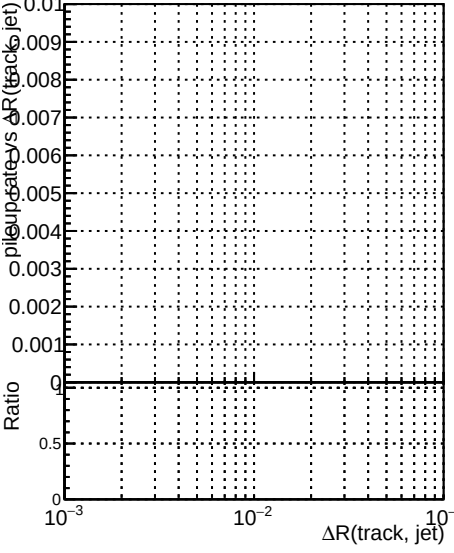
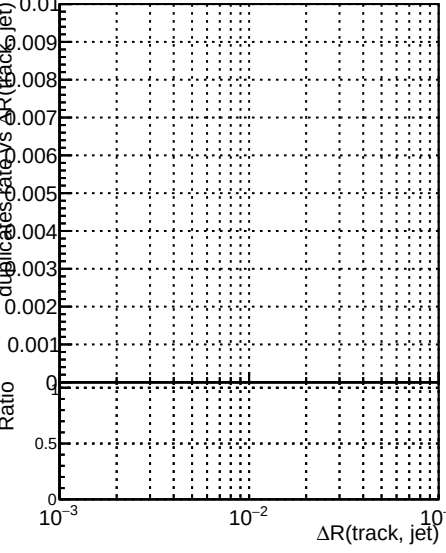
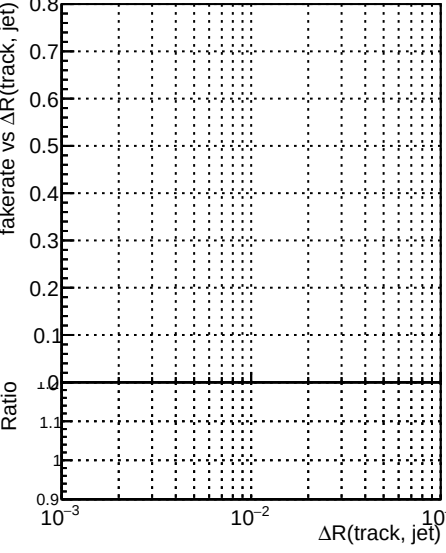
Pileup rate vs dr



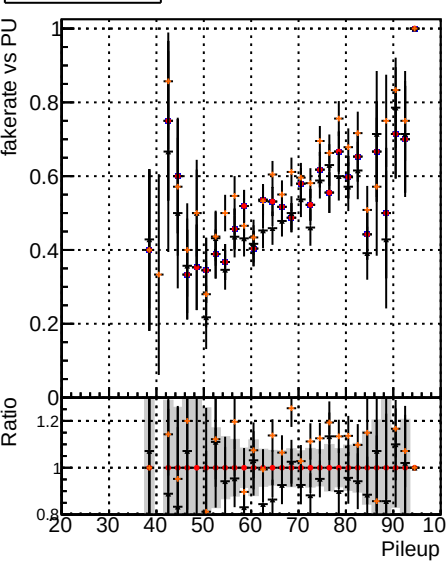
Fake rate vs $\Delta R(\text{track, jet})$

Legend:

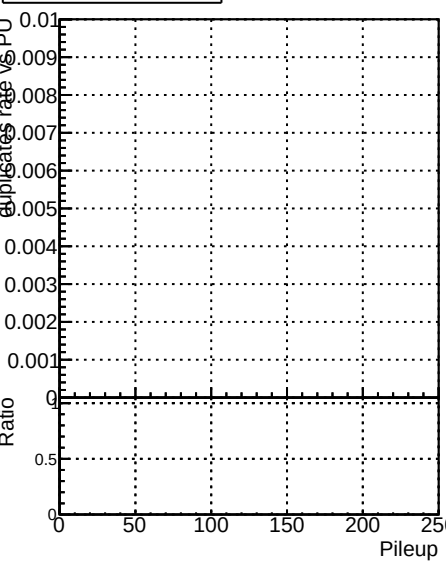
- original lowpt (black line)
- newbranch lowpt (red line)
- original lowpt pless (orange line)
- newbranch lowpt pless (blue line)



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

