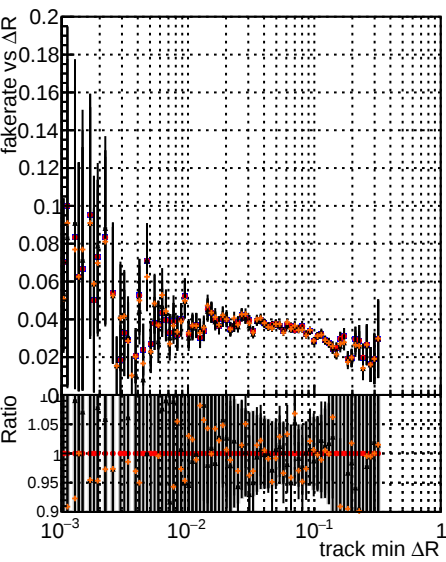
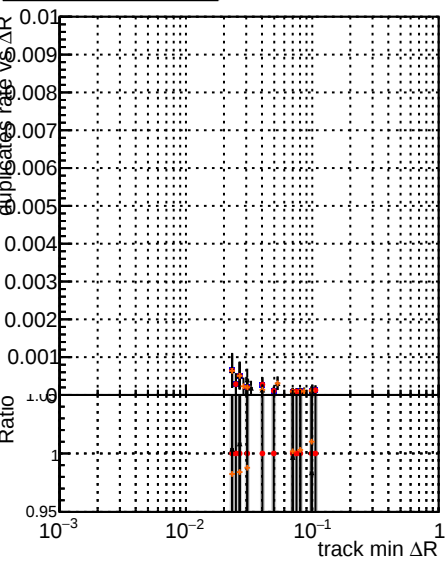


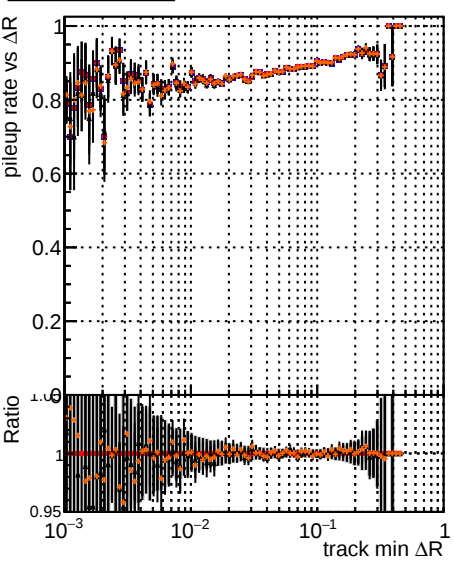
Fake rate vs dr



Duplicates Rate vs dr



Pileup rate vs dr



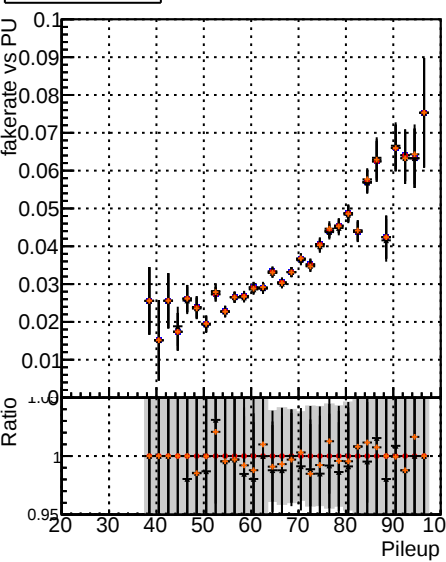
Fake rate vs $\Delta R(\text{track}, \text{jet})$

Legend:

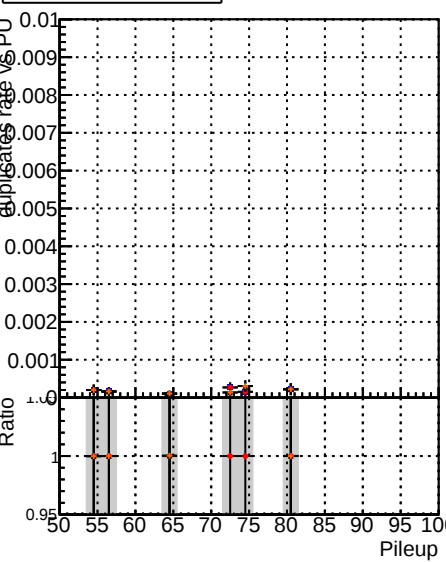
- original lowpt (black line)
- newbranch lowpt (red line)
- original lowpt pless (black line)
- newbranch lowpt pless (red line)



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

