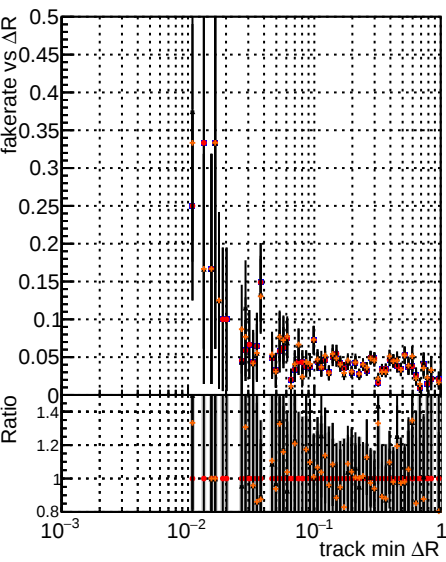


Fake rate vs dr



Duplicates Rate vs dr



Pileup rate vs dr



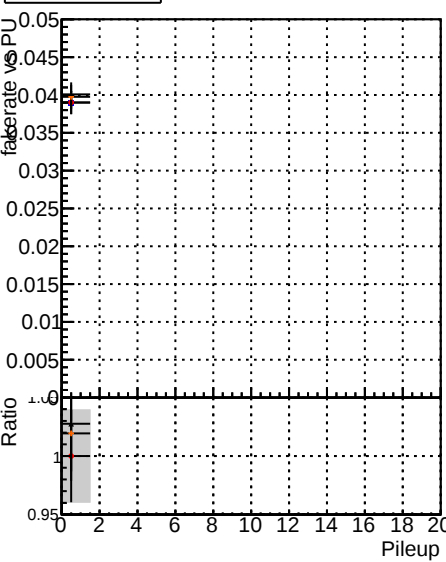
Fake rate vs $\Delta R(\text{track}, \text{jet})$

Legend:

- original (black line)
- newbranch (red line)
- original plus (orange line)



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

