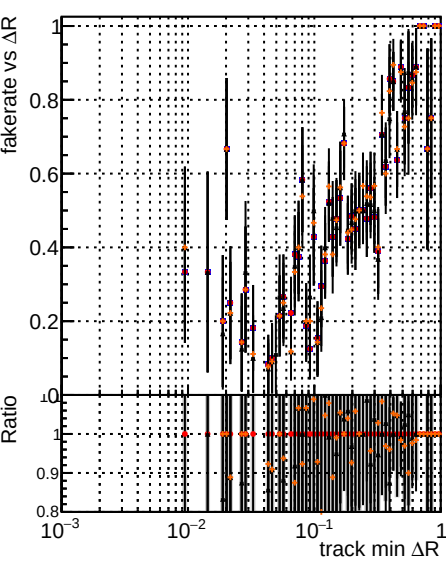


Fake rate vs dr



Duplicates Rate vs dr



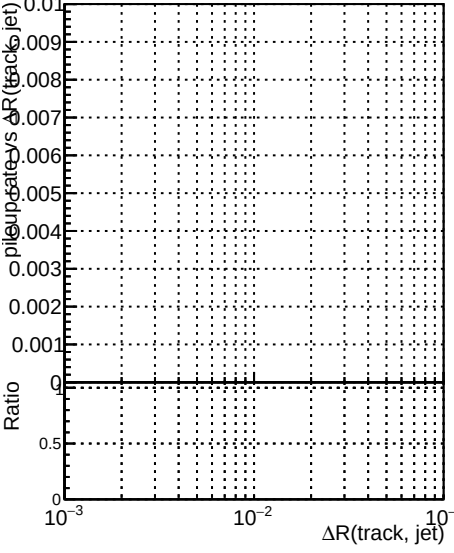
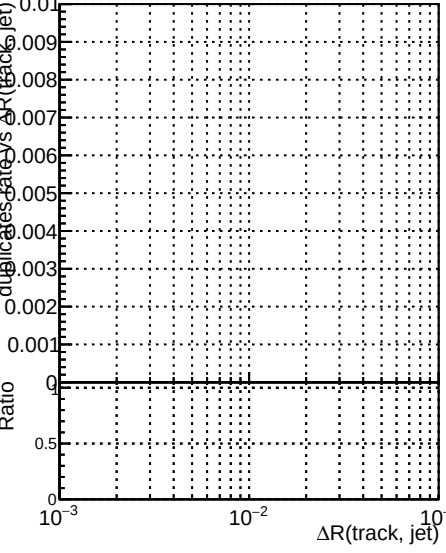
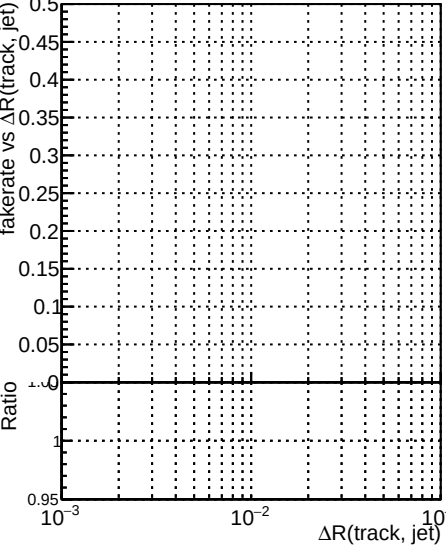
Pileup rate vs dr



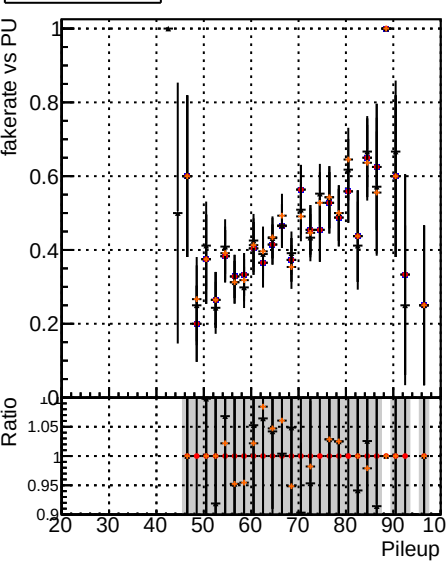
Fake rate vs  $\Delta R(\text{track, jet})$

Legend:

- original lowpt (black square)
- newbranch lowpt (red circle)
- original lowpt pLess (black square)
- newbranch lowpt pLess (red circle)



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

