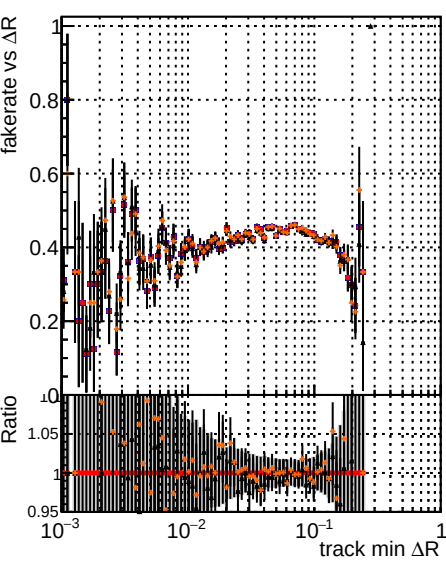
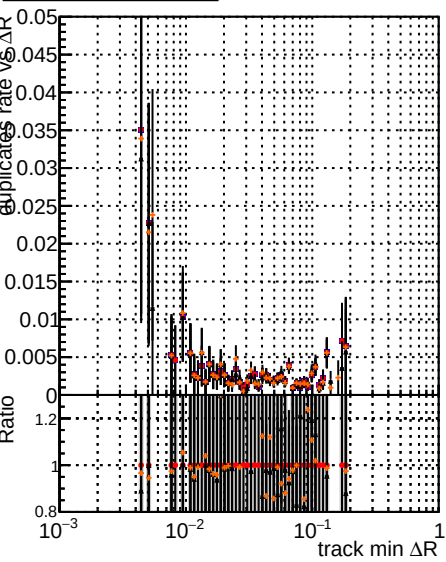


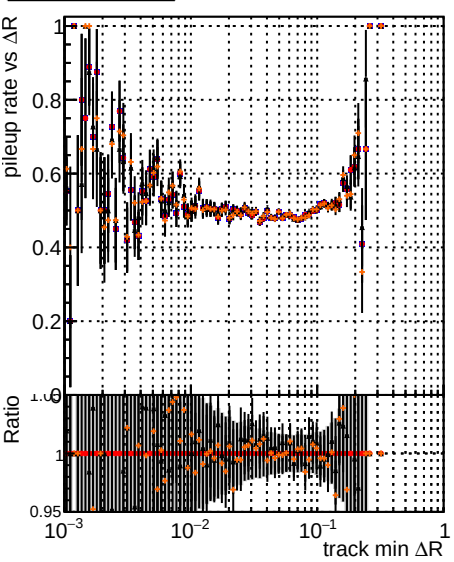
Fake rate vs dr



Duplicates Rate vs dr



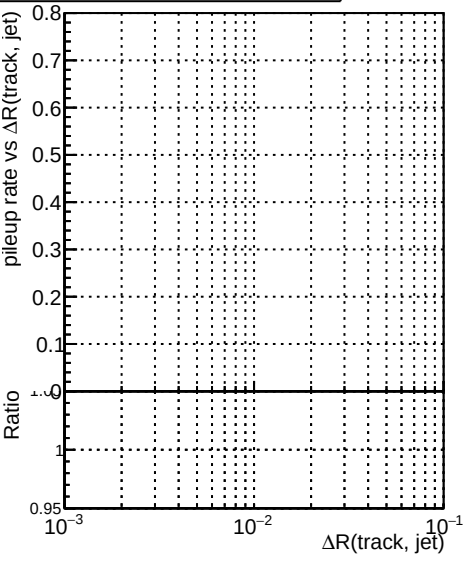
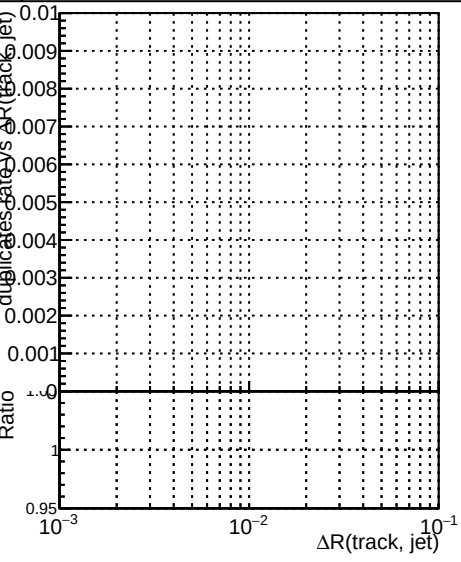
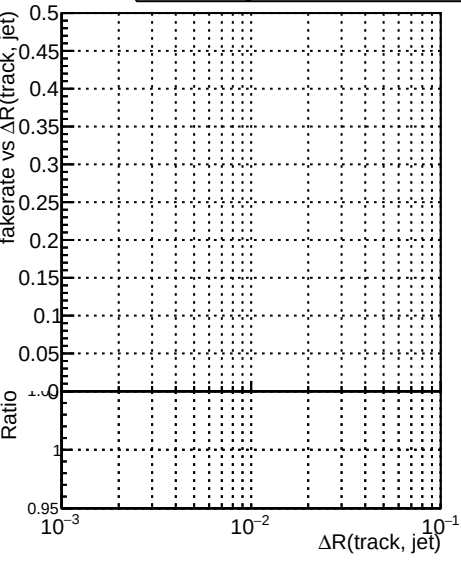
Pileup rate vs dr



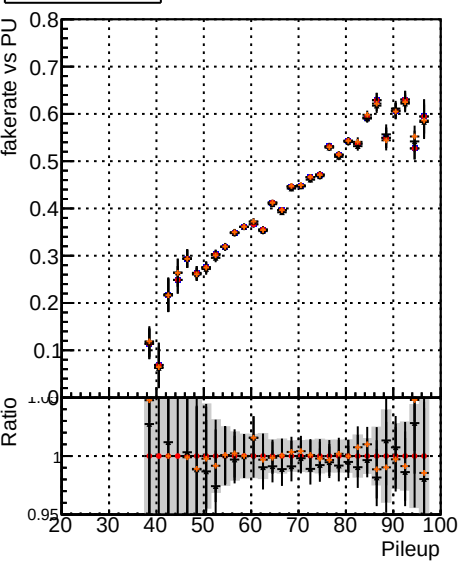
Legend for Fake rate vs  $\Delta R$ , Duplicates Rate vs  $\Delta R$ , and Pileup rate vs  $\Delta R$ :

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

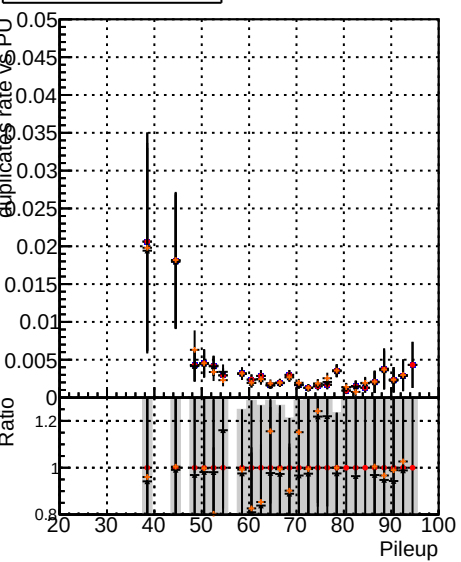
Fake rate vs



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

