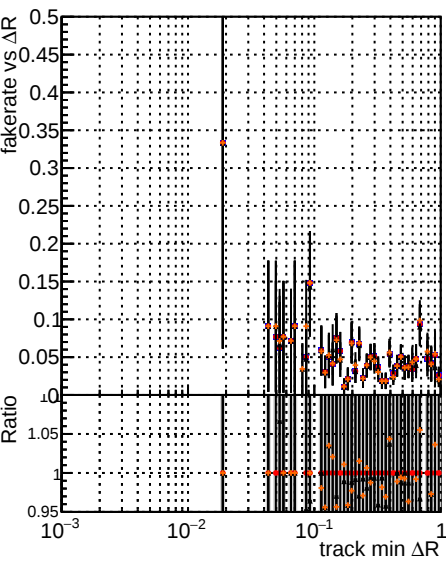


Fake rate vs dr



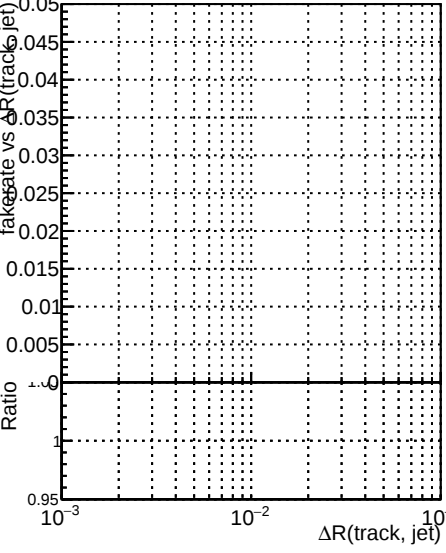
Duplicates Rate vs dr



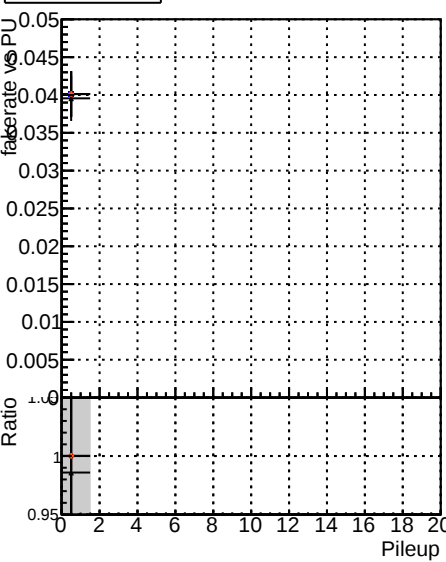
Pileup rate vs dr



Fake rate vs $\Delta R(\text{track}, \text{jet})$
Legend: original (black), newbranch (red), original plus (blue)



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

