

Fake rate vs dr



Duplicates Rate vs dr



Pileup rate vs dr



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



Duplicates Rate vs  $\Delta R(\text{track, jet})$



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



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

