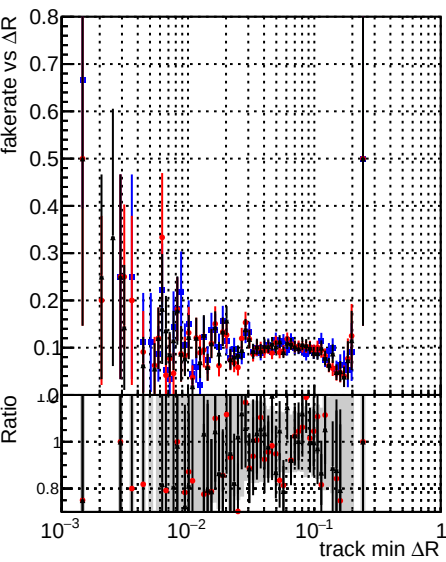


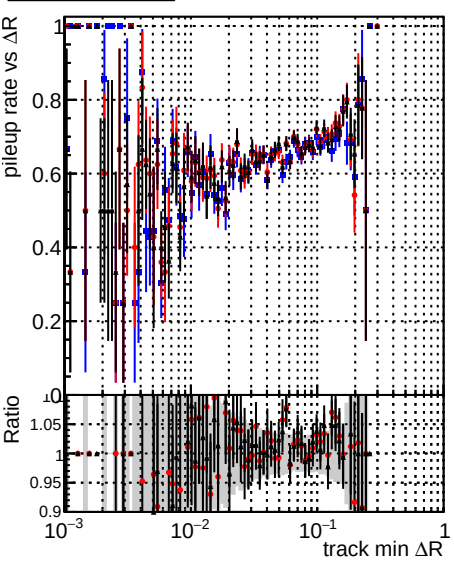
Fake rate vs dr



Duplicates Rate vs dr



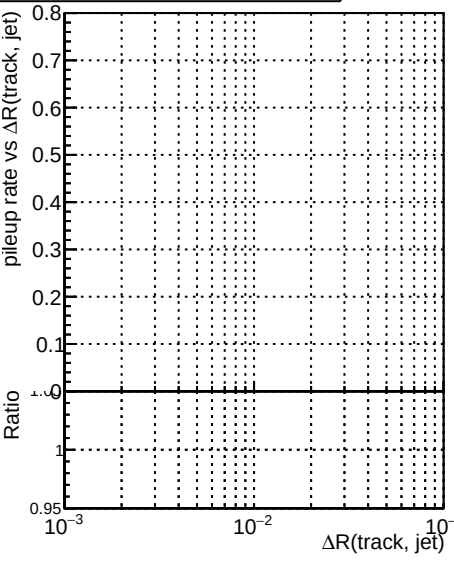
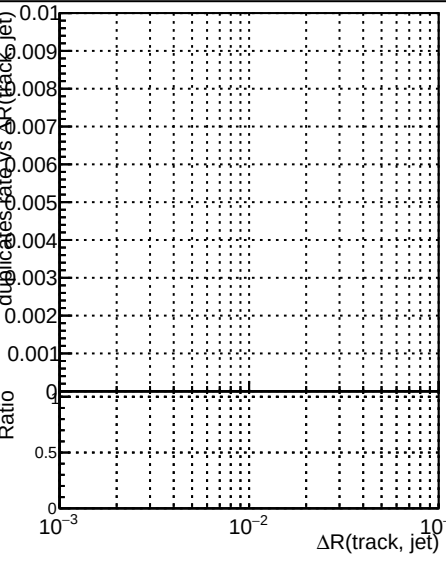
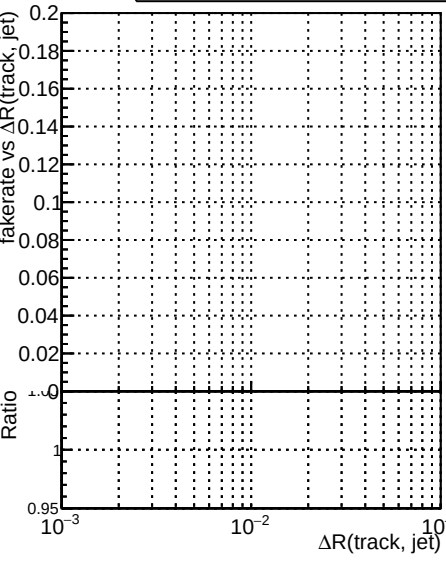
Pileup rate vs dr



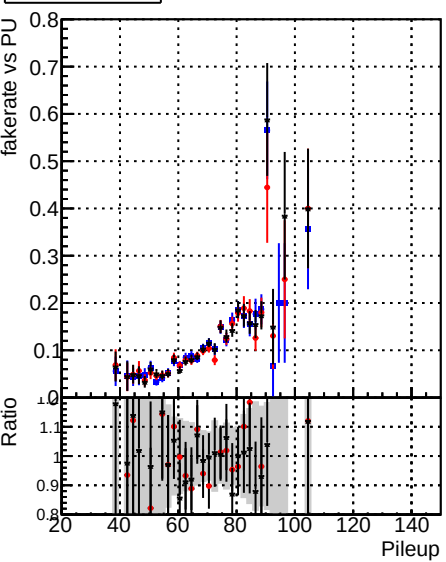
Fake rate vs $\Delta R(\text{track, jet})$

Legend:

- DQM original step2 ttbar-phase1-newgeom (blue squares)
- DQM pixelCPE step2 ttbar-phase1-newgeom (red circles)
- DQM pixelCPEChi2OR2 step2 ttbar-phase1-newgeom (black triangles)



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

