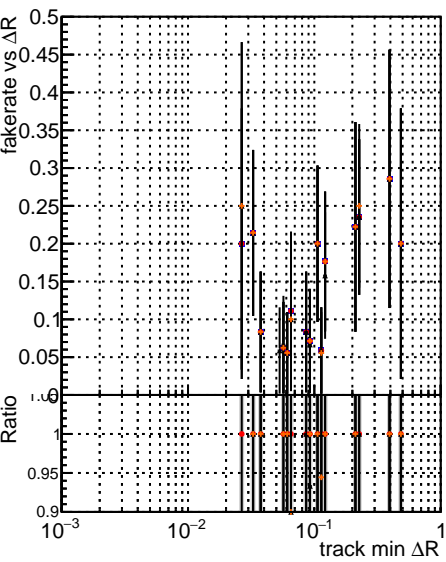
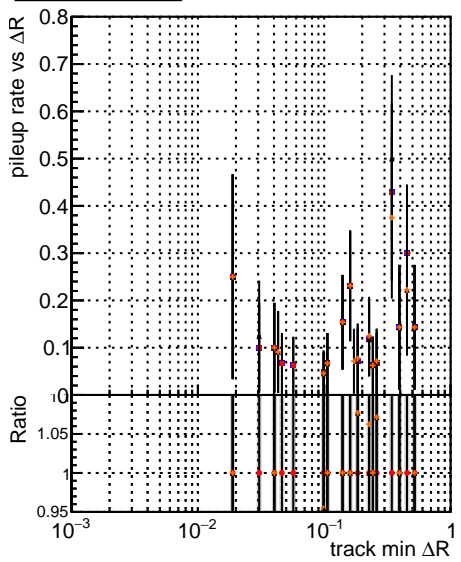
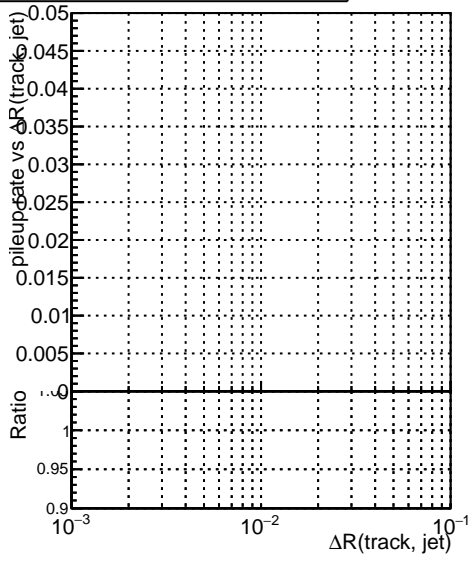
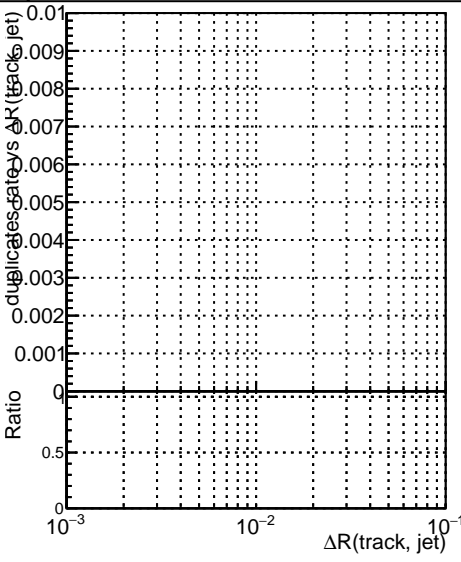
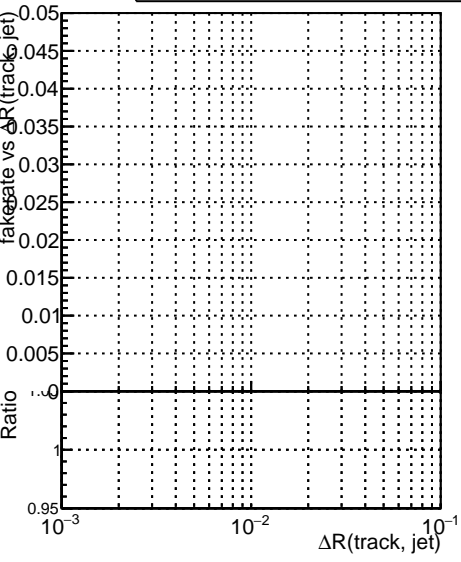


**Fake rate vs dr****Duplicates Rate vs dr****Pileup rate vs dr**

—•— DQM original lowpt  
—•— DQM newbranch lowpt  
—•— DQM original lowpt pless  
—•— DQM newbranch lowpt pless

**Fake rate vs ΔR(track, jet)****Fake rate vs pu**