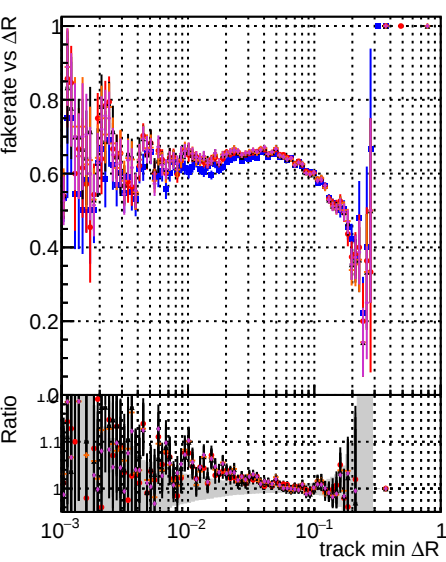
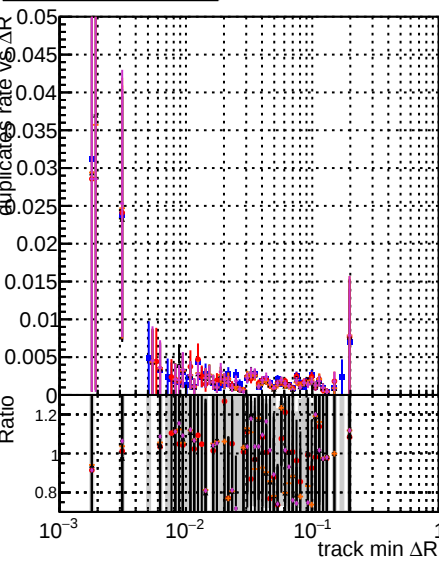


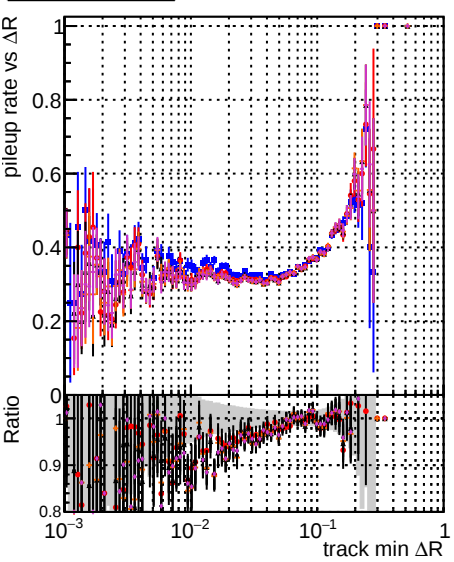
Fake rate vs dr



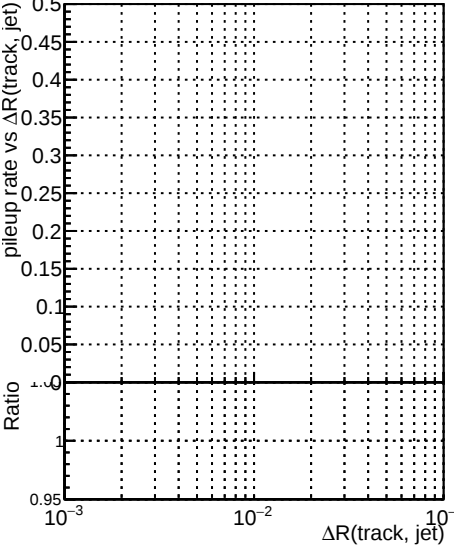
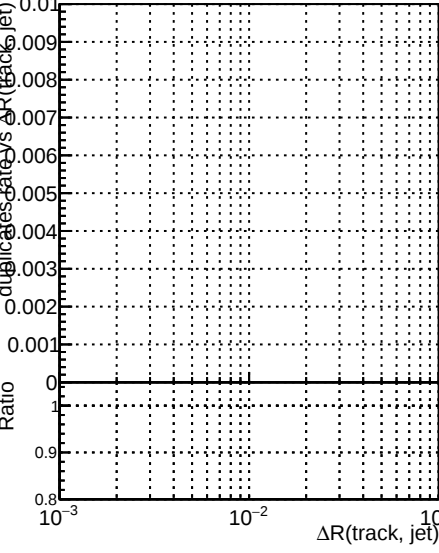
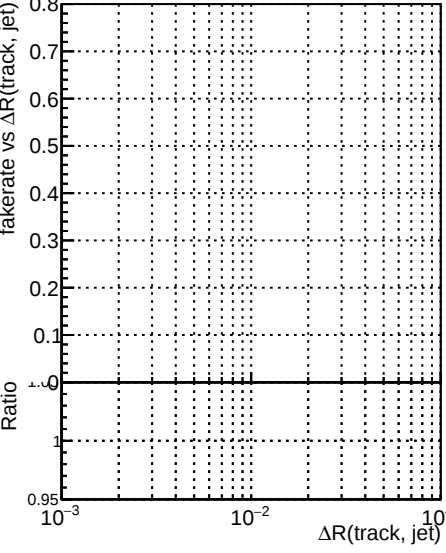
Duplicates Rate vs dr



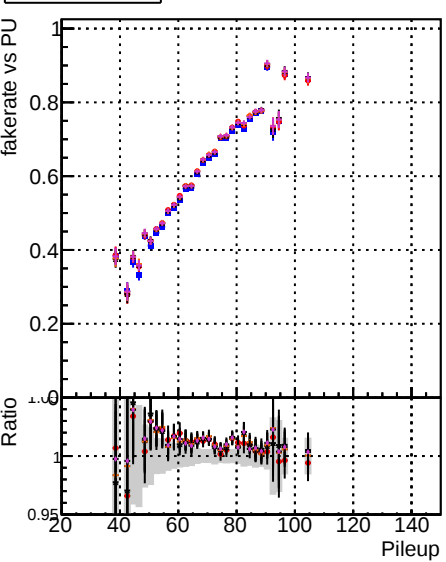
Pileup rate vs dr



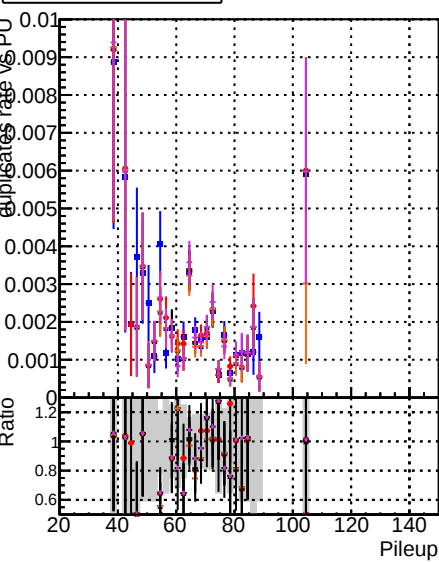
Fake rate vs $\Delta R(\text{track, jet})$
Legend: original (blue), step2 (red), tbar phase1 (green), newgeom (purple), and a grey shaded region for the ratio.



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

