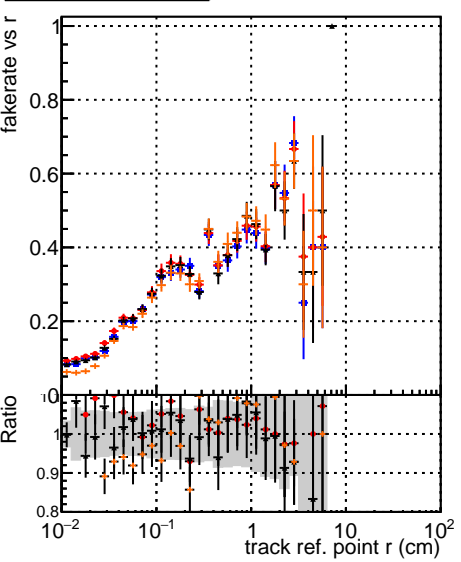
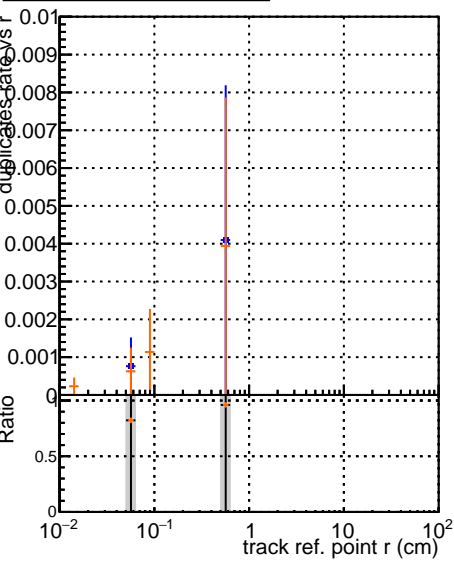
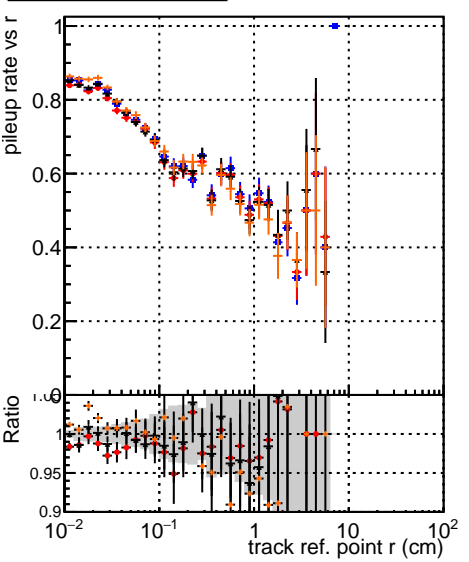
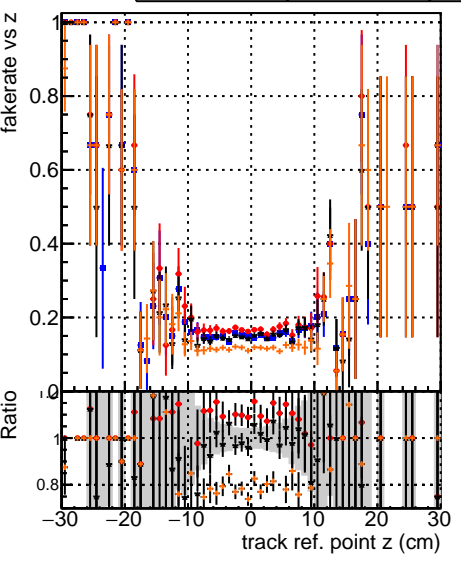
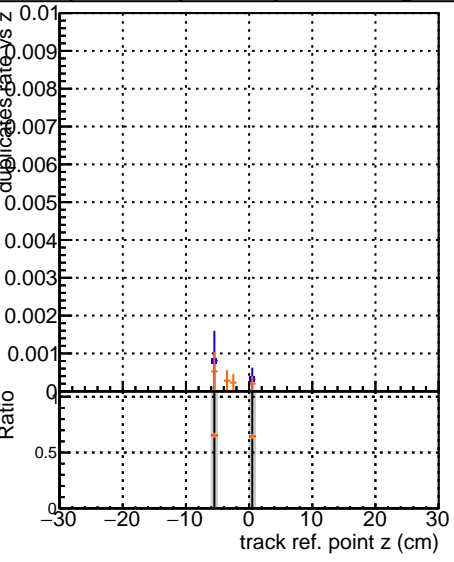
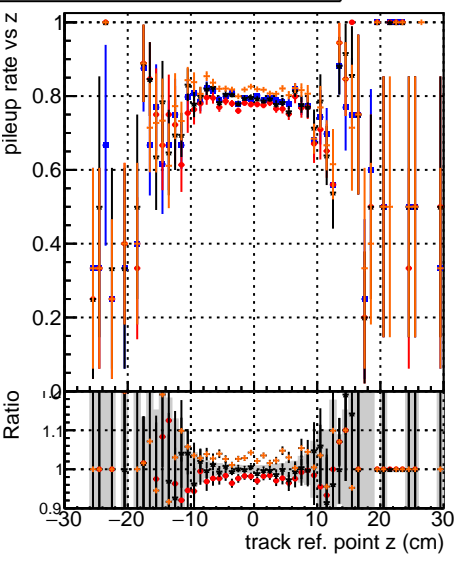
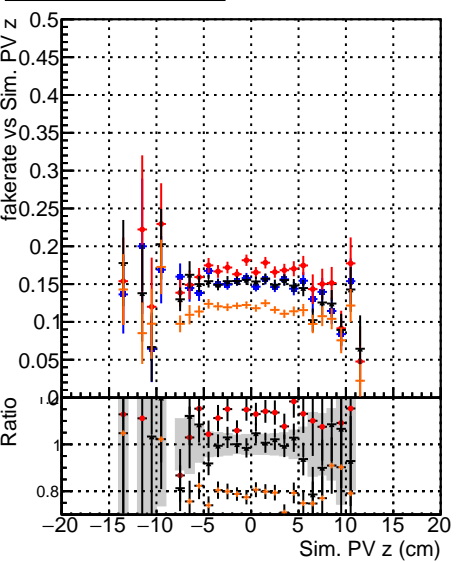
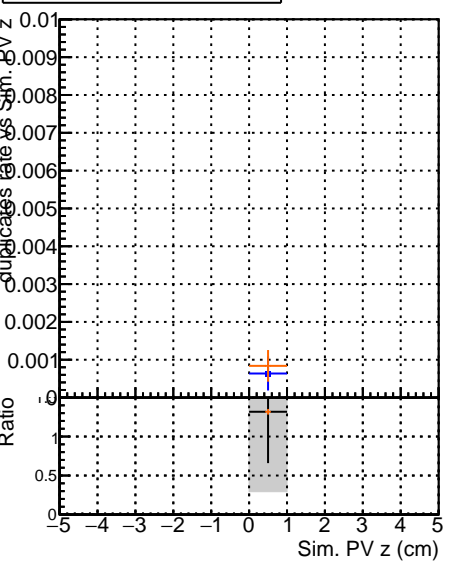


Fake rate vs vertpos**Duplicates Rate vs vertpos****Pileup rate vs vertpos**

—●— DGM original step2 ttbar phase1-newgeom
—●— DGM pixel CPE template step2 ttbar phase1-newgeom
—●— DGM pixel CPE template ChiSquare step2 ttbar phase1-newgeom
—●— DGM pixel CPE template ChiSquare test

Fake rate vs v**Duplicates Rate vs v****Pileup rate vs v****Fake rate vs. sim PV z****Duplicates Rate vs sim PV z****Pileup rate vs. sim PV z**