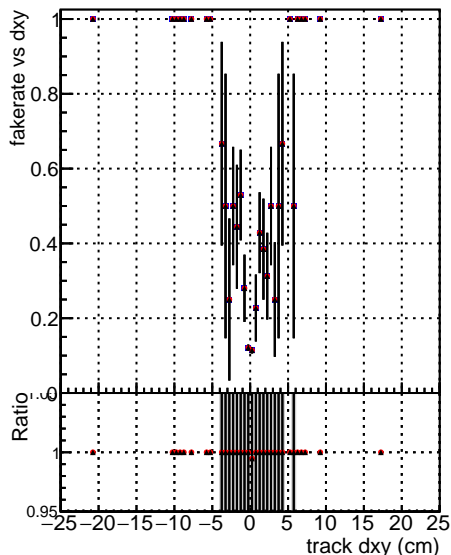
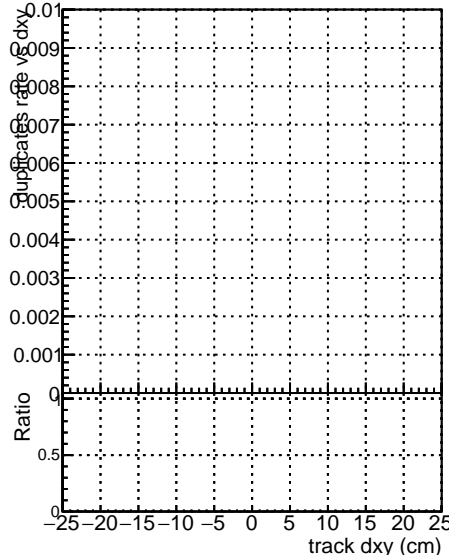
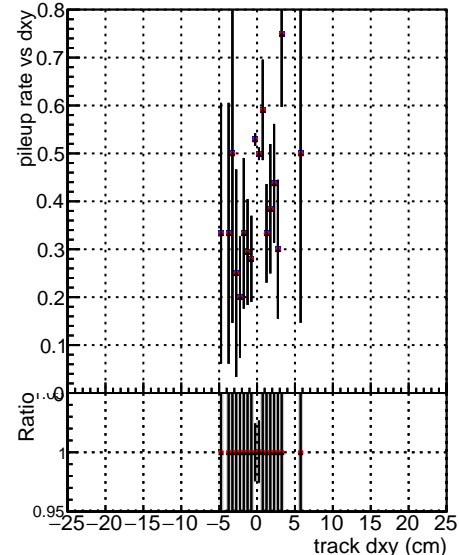
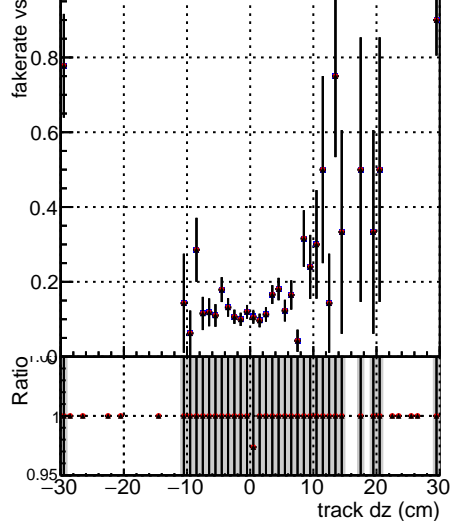
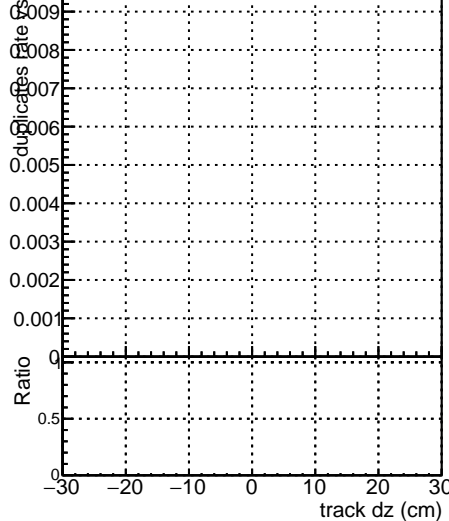


**Fake rate vs dxy****Duplicates Rate vs Dxy****Pileup rate vs dxy**

— DGM — ttbarPU — mkFit — 5iter — updatedPR111 — update\_fixPropagation  
● DGM ● ttbarPU ● mkFit ● 5iter ● updatedPR111 ● update\_fixPropagation

**Fake rate vs dz****Duplicates Rate vs Ddz****Pileup rate vs dz**