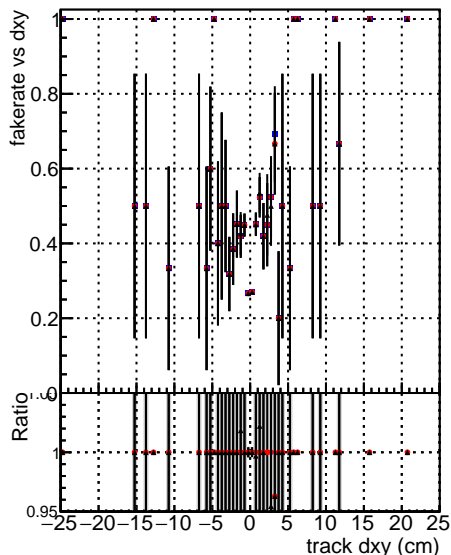
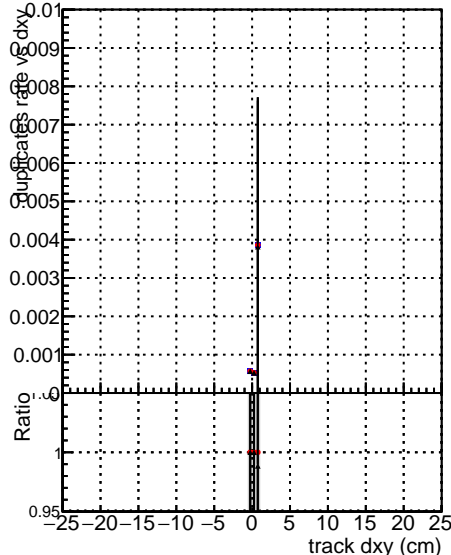
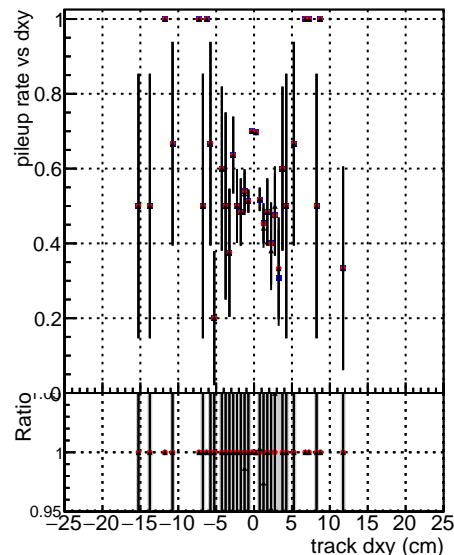
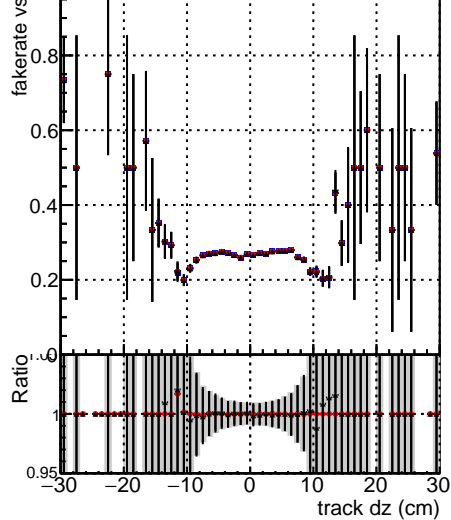
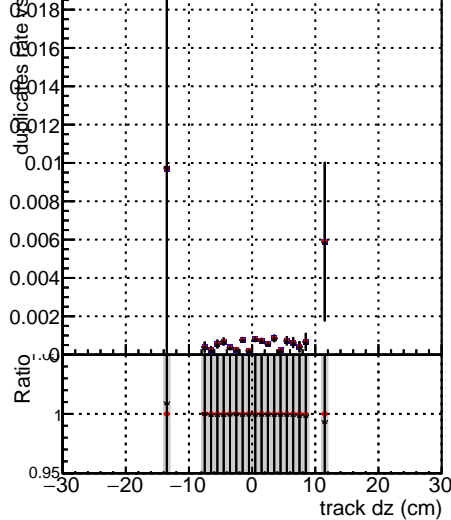


**Fake rate vs dx****Duplicates Rate vs Dxy****Pileup rate vs dxy**

—●— DGM ttbarPU mkFit -5iter  
—●— DGM ttbarPU mkFit -5iter updatedPR111\_update  
—●— DGM ttbarPU mkFit -5iter updatedPR111\_update\_fixPropagation

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