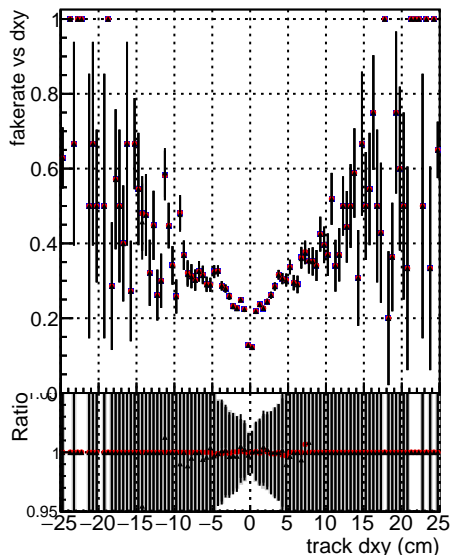
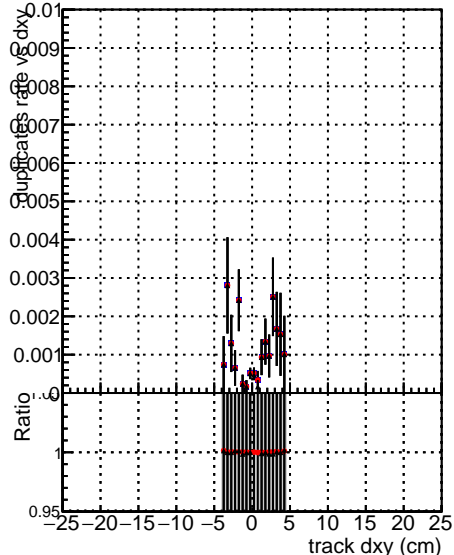
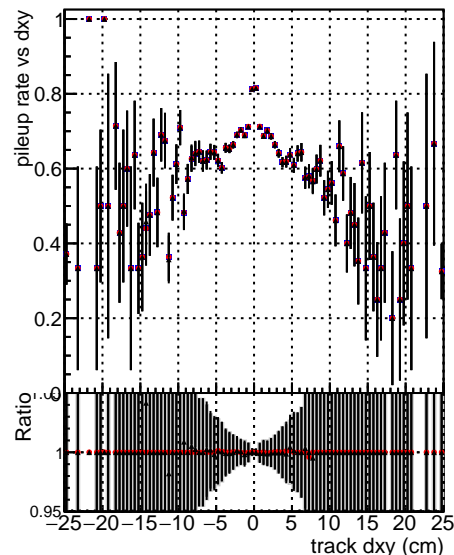
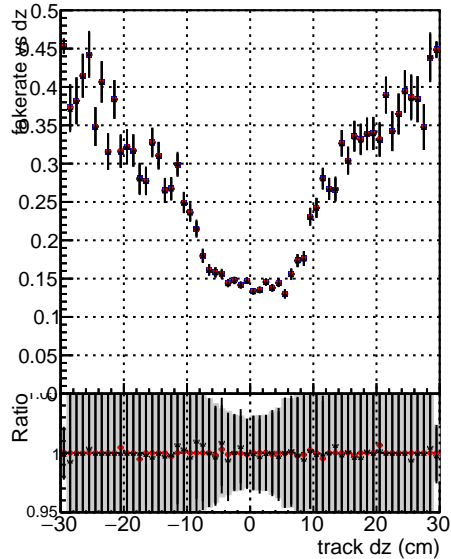
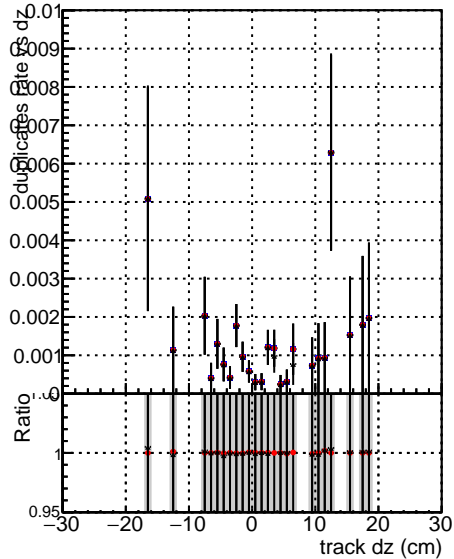


**Fake rate vs dxy****Duplicates Rate vs Dxy****Pileup rate vs dxy**

— DGM ttbarPU mkFit 5iter  
— DGM ttbarPU mkFit 5iter updatedPR111 update  
— DGM ttbarPU mkFit 5iter updatedPR111 update fixPropagation

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