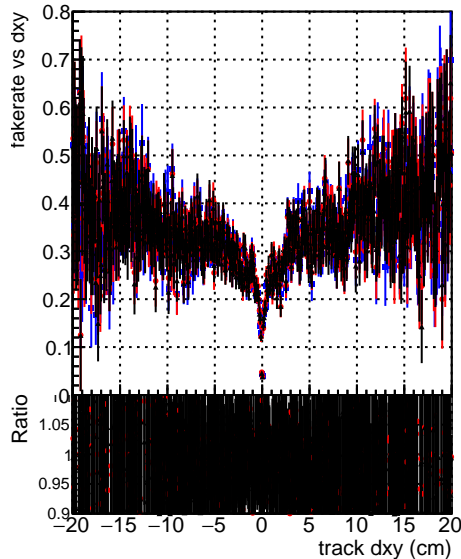
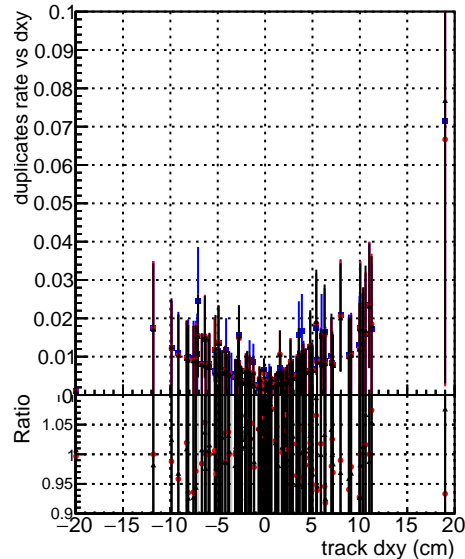
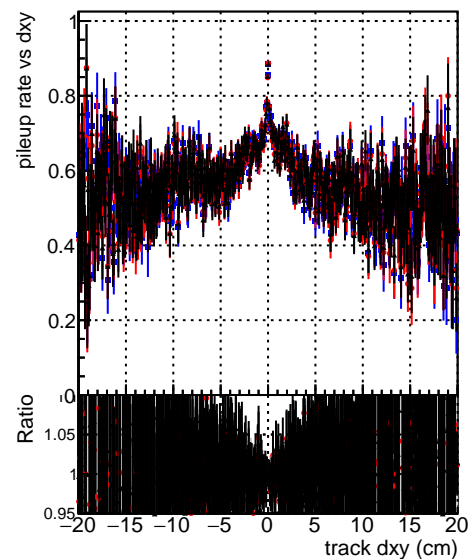


**Fake rate vs dxy****Duplicates Rate vs Dxy****Pileup rate vs dxy**

—●— DGM original\_step2\_tbar-phase1-newgeom  
—●— DGM pixelCFE\_template\_step2\_tbar-phase1-newgeom  
—●— DGM pixelCFE\_template\_cut\_chi\_square\_new\_step2\_tbar-phase1-newgeom

**Fake rate vs dz**