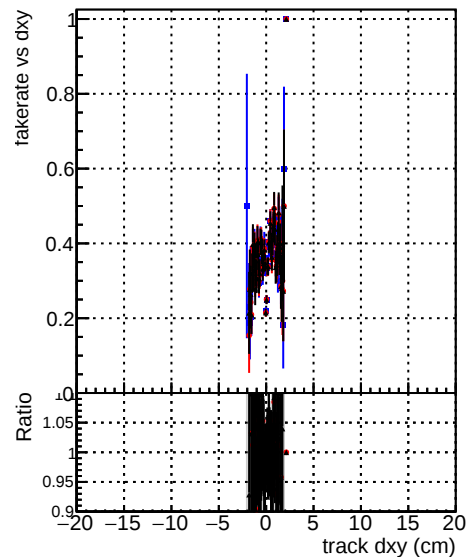
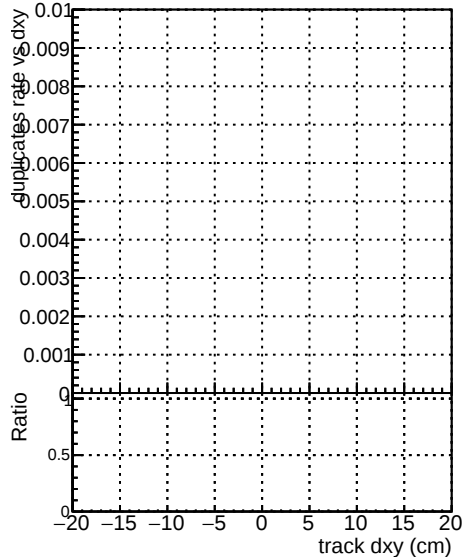


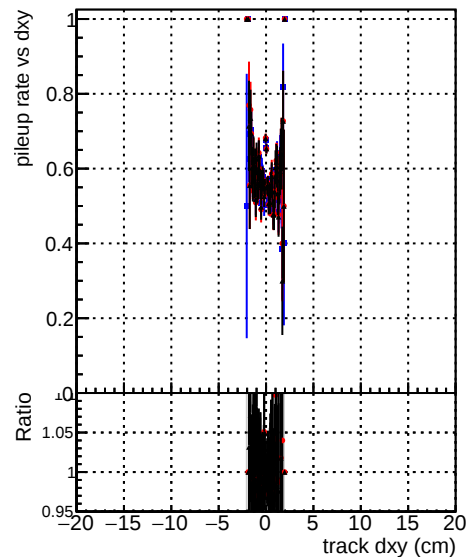
**Fake rate vs dxy**



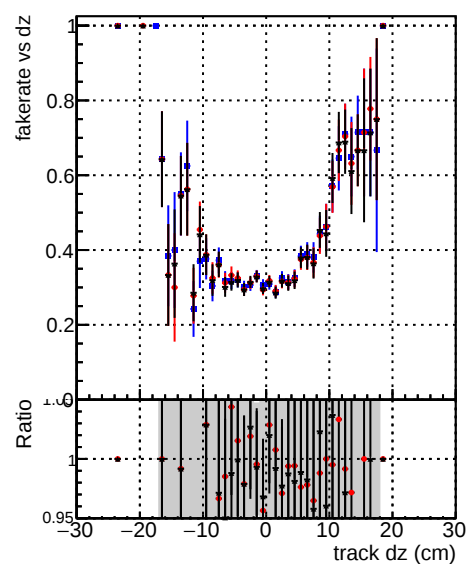
**Duplicates Rate vs Dxy**



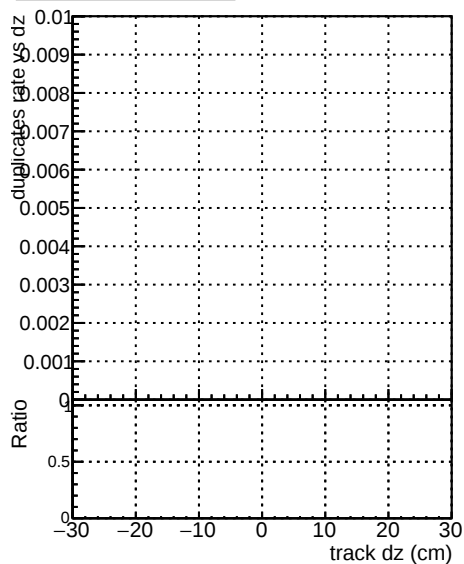
**Pileup rate vs dxy**



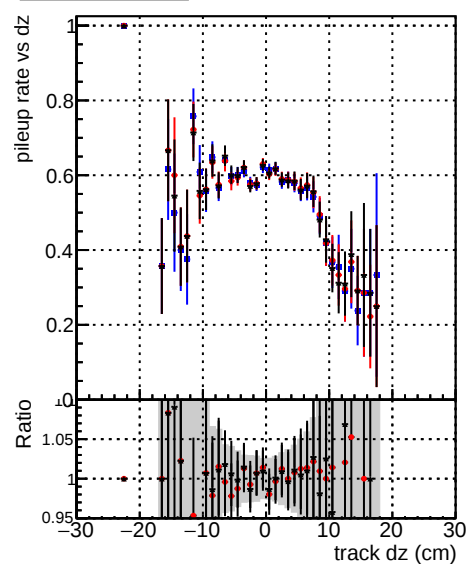
**Fake rate vs dz**



**Duplicates Rate vs Dxy**



**Pileup rate vs dxy**



DOM original\_step2\_ttbar-phase1-newgeom  
DOM pixelCPE\_step2\_ttbar-phase1-newgeom  
DOM pixelCPENoMatR\_step2\_ttbar-phase1-newgeom