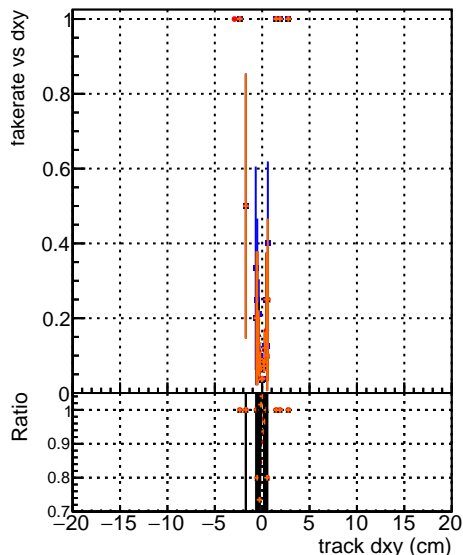
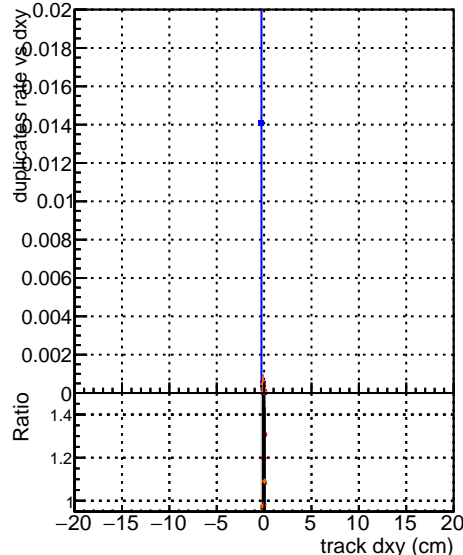
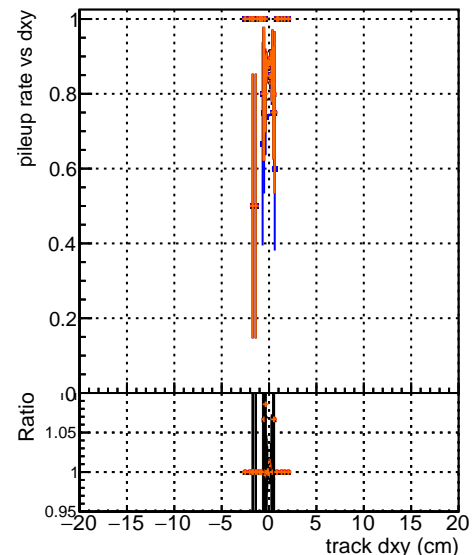
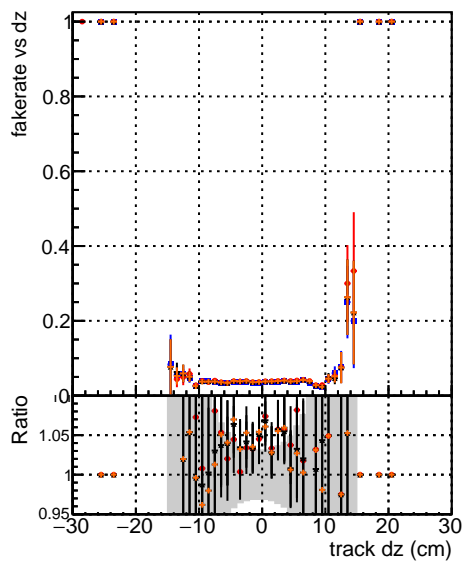
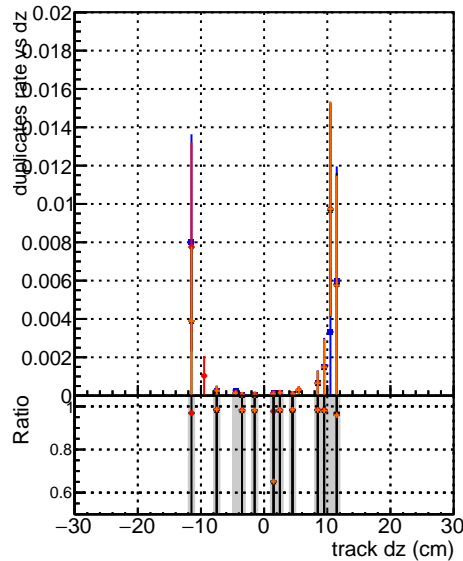
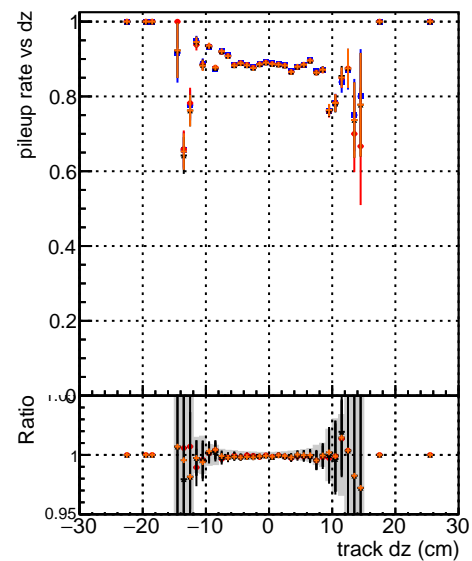


**Fake rate vs dxy****Duplicates Rate vs Dxy****Pileup rate vs dxy****Fake rate vs dz****Duplicates Rate vs Ddz****Pileup rate vs dz**

— BGM original\_step2\_tbar\_phase1\_newgeom  
— BGM pixelCPEtemplate\_step2\_tbar\_phase1\_newgeom  
— BGM pixelCPEtemplate\_CurChiSquareNew2\_step2\_tbar\_phase1\_newgeom