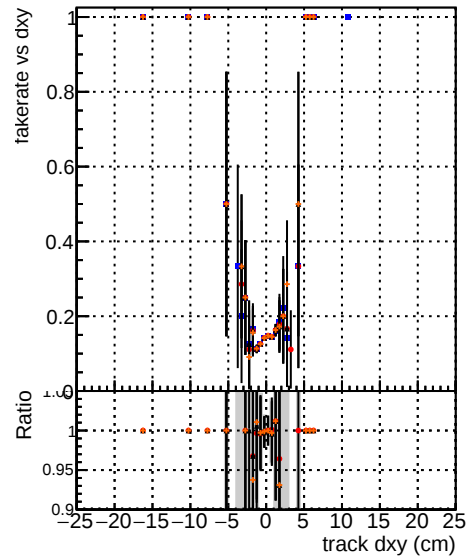
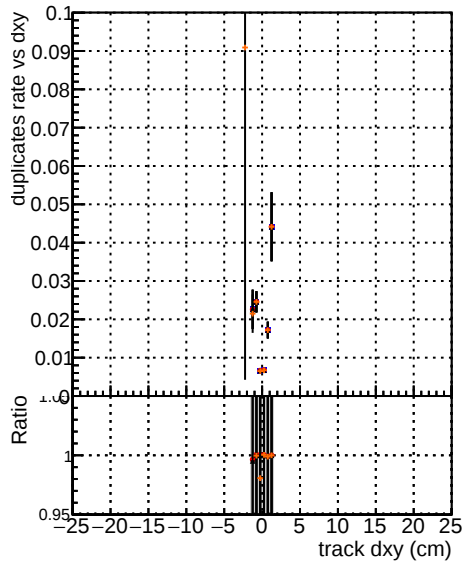


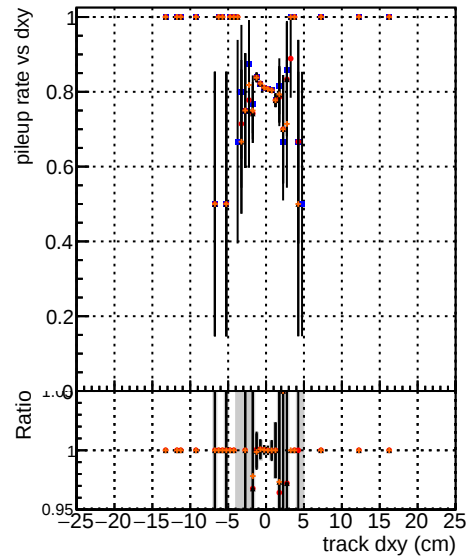
Fake rate vs dxy



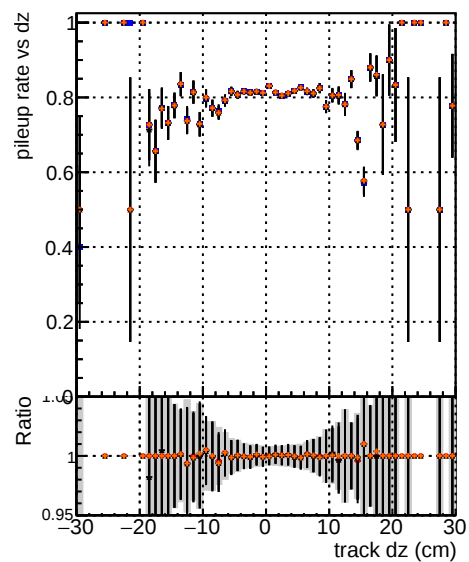
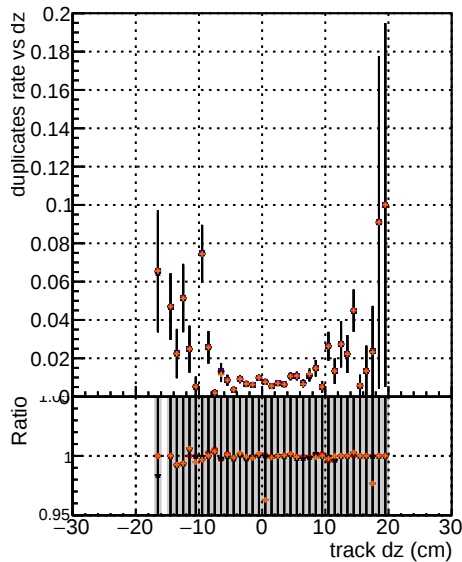
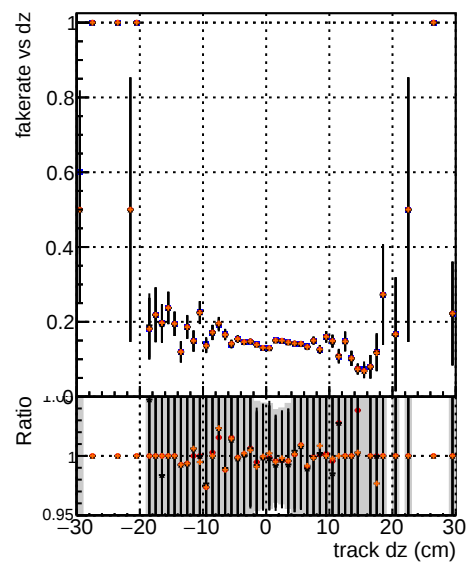
Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs dz



DGM $\square$ original noPU
 DGM $\square$ pileup only
 DGM $\square$ pileup + max
 DGM $\square$ pileup + max + only FW2 PU
 DGM $\square$ pileup + max + only FW2 PU
 DGM $\square$ pileup + max + only FW2 PU