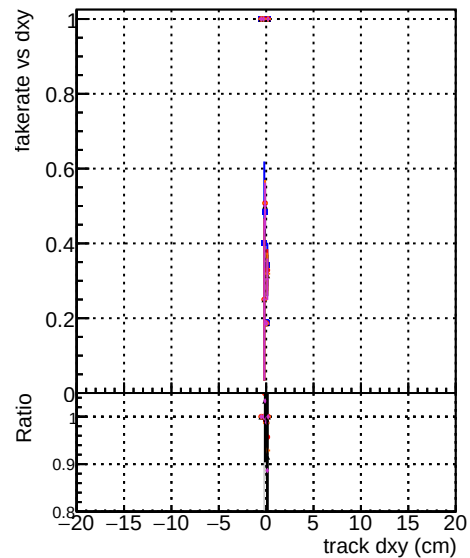
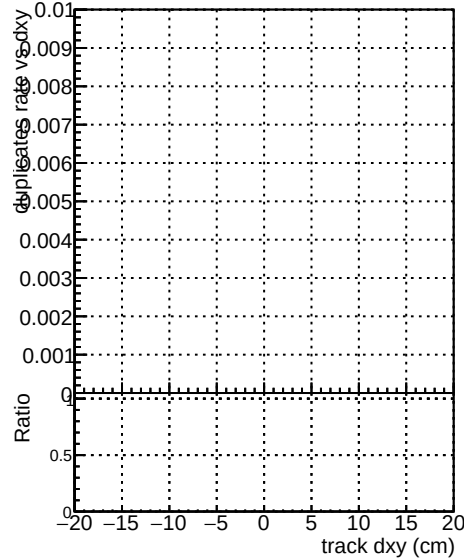


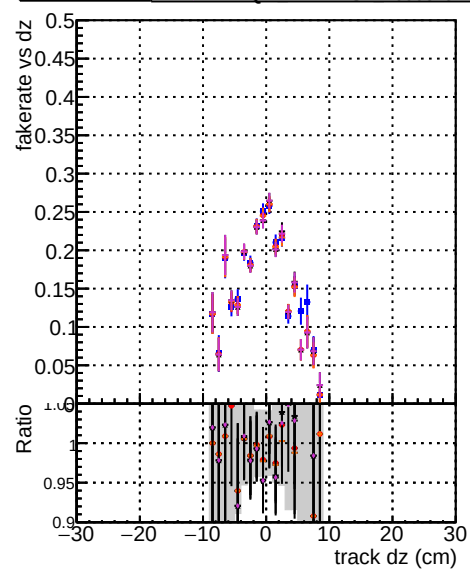
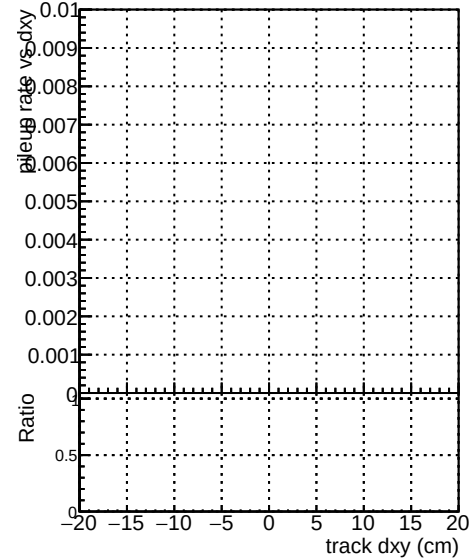
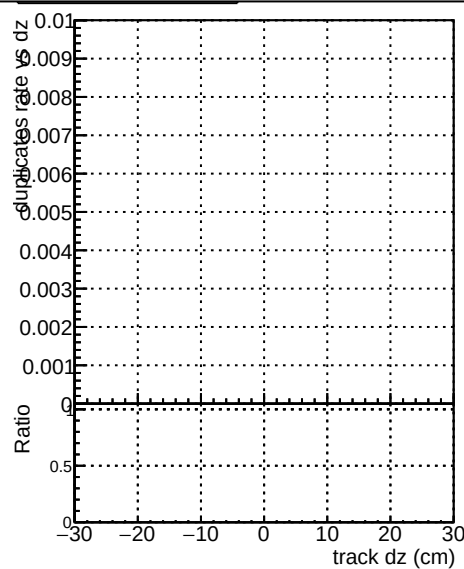
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

 $\alpha = 0.01$  $N = 0.01$ 