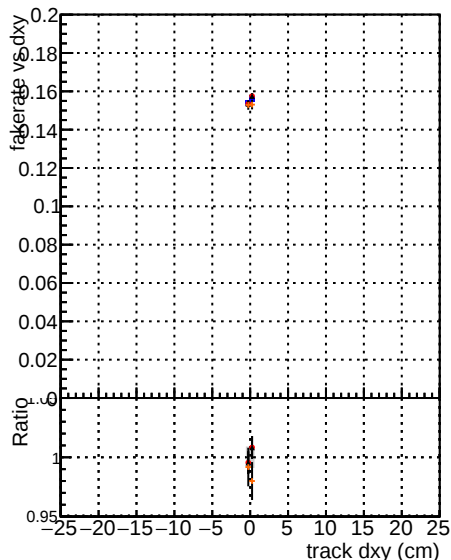
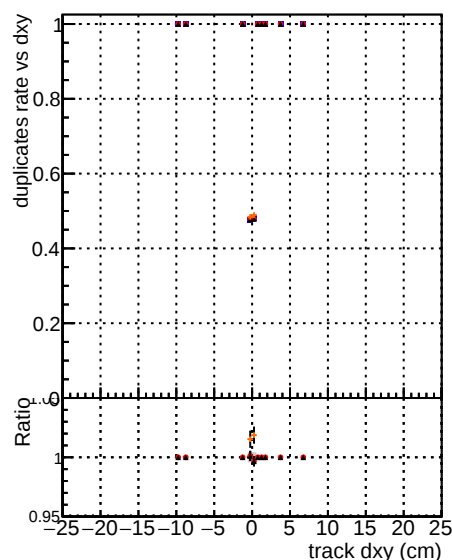


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

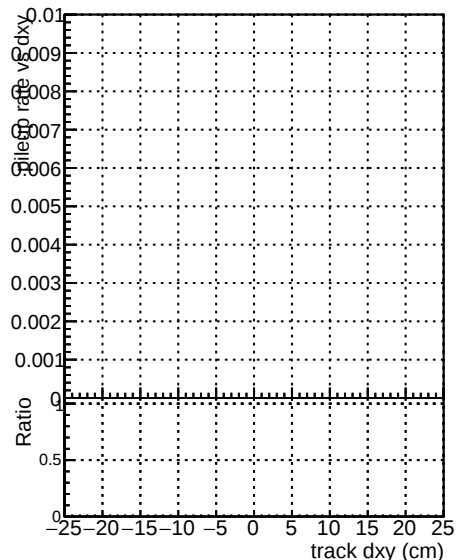
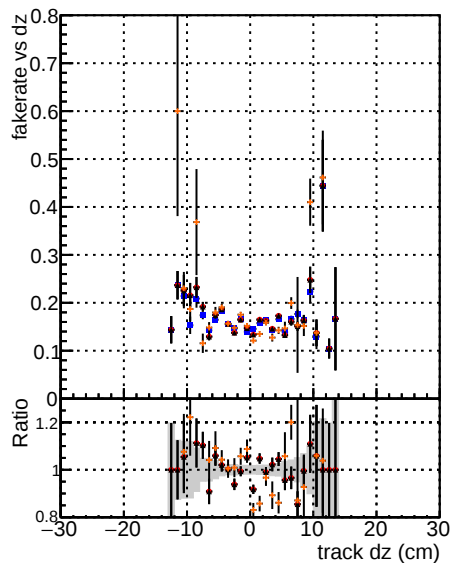


Figure 1: Fake rate vs d. The graph shows the fake rate (y-axis, 0 to 1) versus the distance d (x-axis, 0 to 1). The proposed method (blue line with circles) shows a significantly lower fake rate than the baseline (black line with circles) and the core50maxCand-33DUPremoval method (red line with circles) across the entire range of d.



Model	mkFit	baseline
CoreNoClean	var	
Core50maxCand-33DUPremoval		

