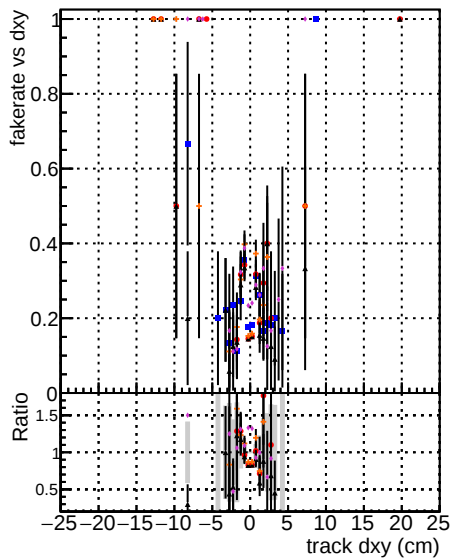
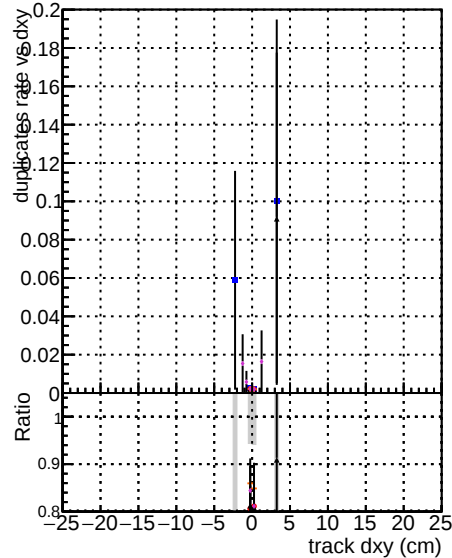


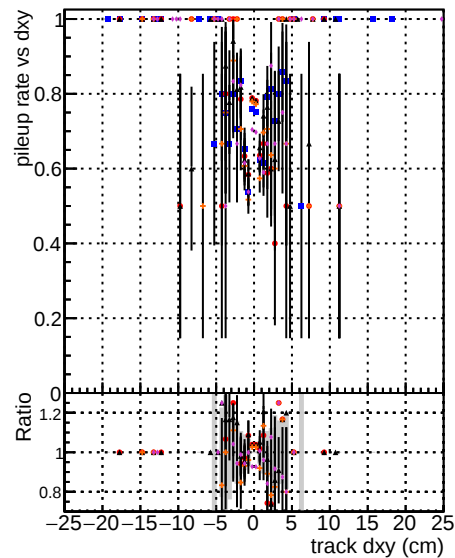
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Model	Fake rate
DGM step 3	~0.05
TT GKE	~0.15
TT default	~0.05
TT GKE less	~0.25
TT default NEW	~0.02

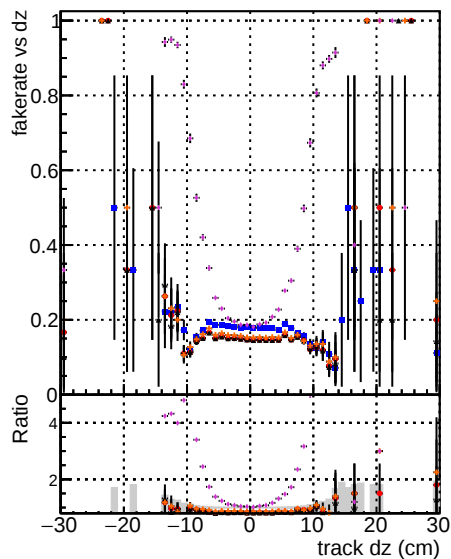


Figure 1 consists of two panels. The top panel is a plot of 'pileup rate vs dz' (y-axis, 0 to 1) versus 'track dz (cm)' (x-axis, -30 to 30). It shows data points for various pileup rates (0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0) with error bars. The bottom panel is a plot of 'Ratio' (y-axis, 0 to 1) versus 'track dz (cm)' (x-axis, -30 to 30). It shows data points for the same pileup rates with error bars. The top panel shows a peak in pileup rate around dz = 10 cm. The bottom panel shows a ratio of 1.0 for dz < 0 and a ratio of approximately 0.8 for dz > 0.