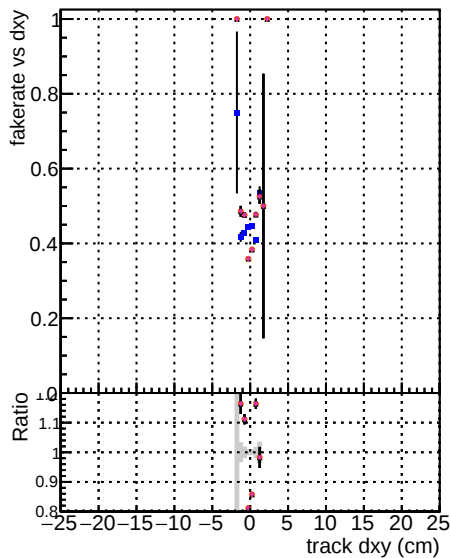
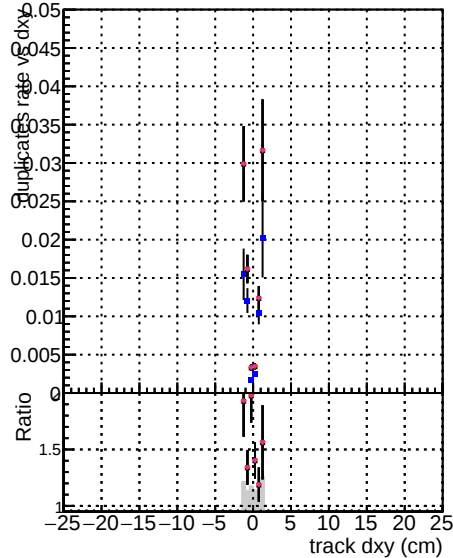


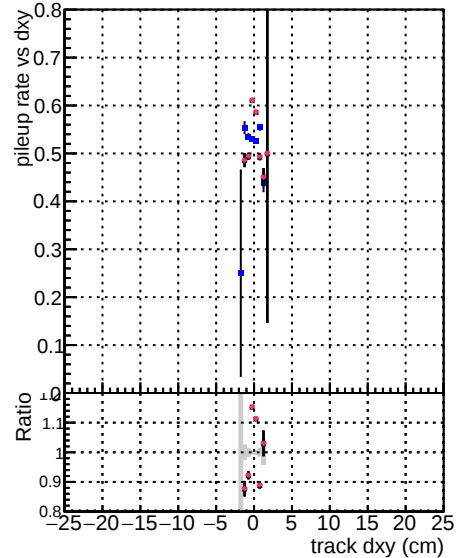
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Model	Fake rate (approx.)
DOM	0.05
GKE	0.05
TTbar	0.05
DOM+mkFit	0.05
TTbar+mkFit	0.05
BU-updated	0.05
newBLDNN-2	0.15
TTbarDNN-2	0.05

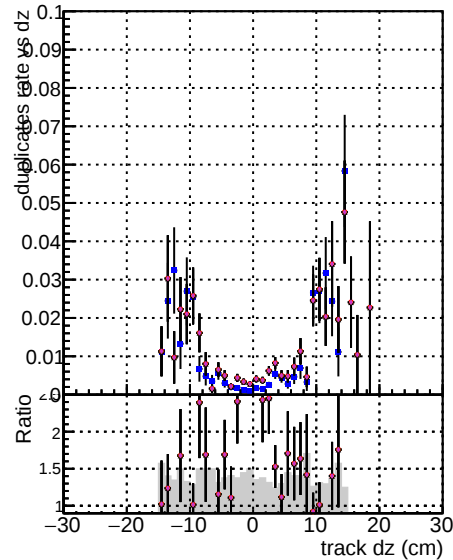
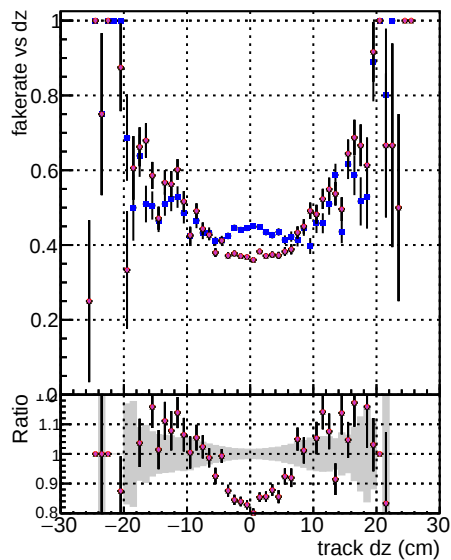


Figure 1 consists of two panels. The top panel shows the pileup rate (y-axis, 0 to 1) versus track dz (cm) (x-axis, -30 to 30). Data points are shown for two different conditions: one with red circles and one with blue squares. Both show a peak around $dz = 0$. The bottom panel shows the Ratio (y-axis, 0.8 to 1.0) versus track dz (cm) (x-axis, -30 to 30). The ratio is generally close to 1.0, with some fluctuations. Shaded regions indicate uncertainty or confidence intervals.

