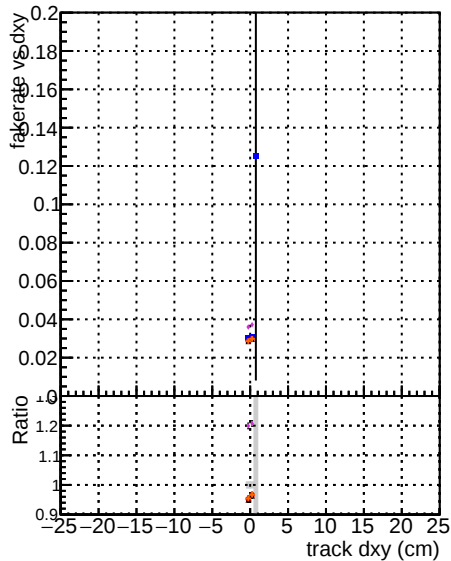
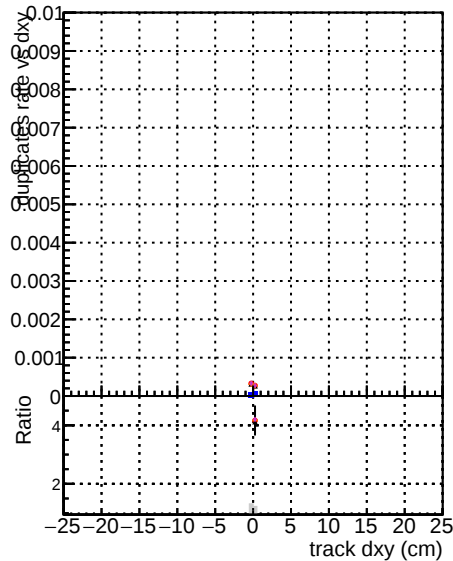


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

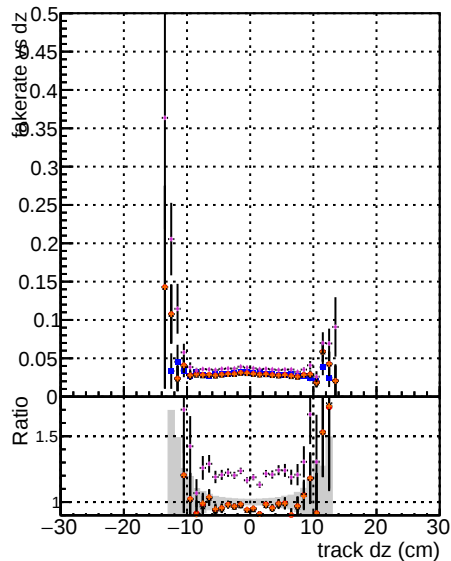
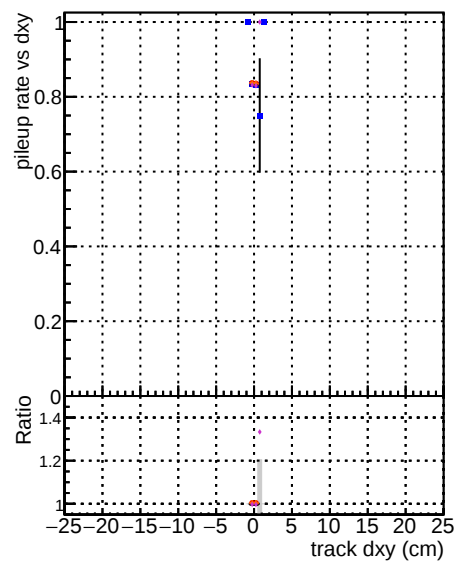


Figure 10 consists of two panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel shows the 'pileup rate vs dz' on the y-axis, ranging from 0.6 to 1.0. It displays three data series: blue circles, orange circles, and red circles, each with vertical error bars. The blue series is generally the highest, followed by orange, and then red. The bottom panel shows the 'Ratio' on the y-axis, ranging from 0.95 to 1.0. It displays the ratio of the pileup rates for the three models, with a horizontal line at 1.0. The ratio is mostly close to 1.0, with some deviations at the edges of the track dz range.