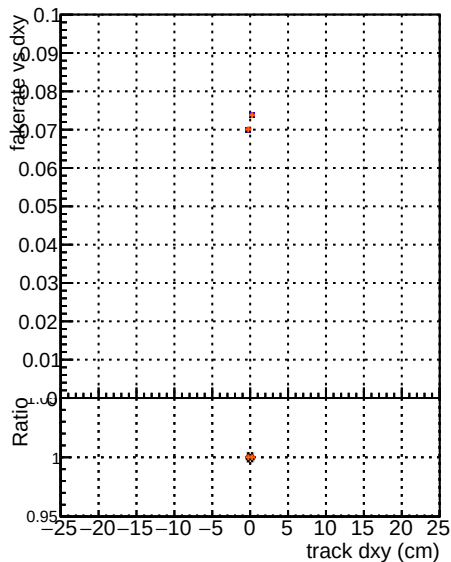
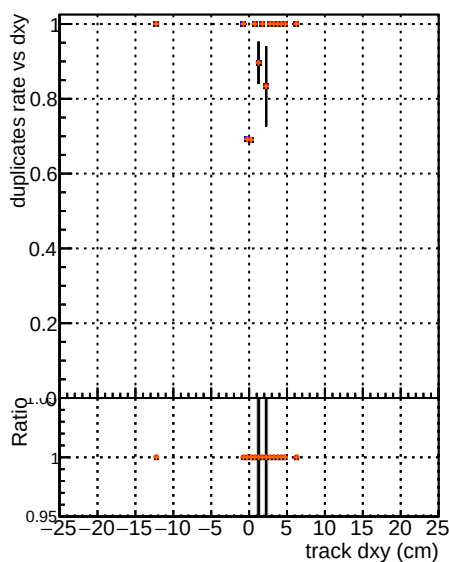


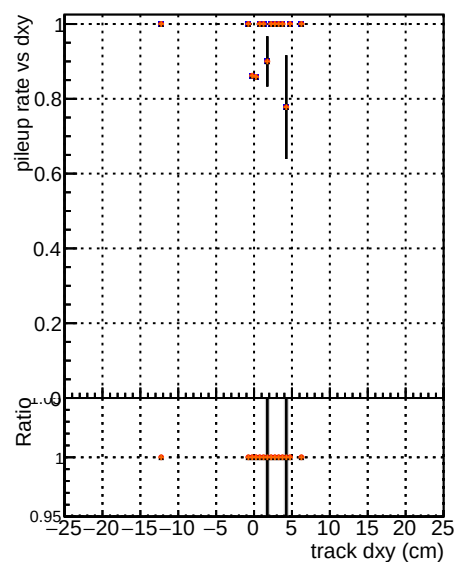
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

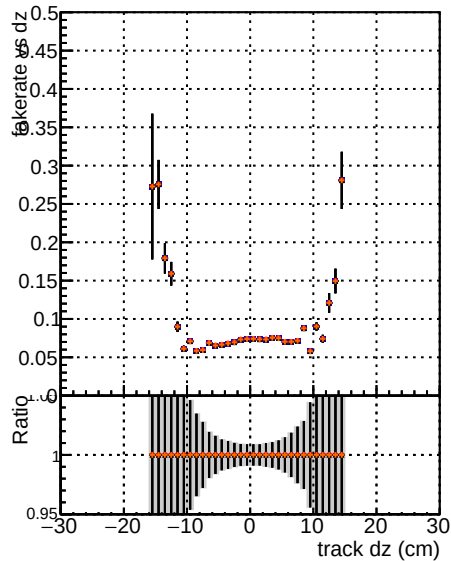


Figure 1 consists of two panels. The top panel is a plot of 'duplicates rate vs dz' (y-axis, ranging from 0.4 to 1.0) versus 'track dz (cm)' (x-axis, ranging from -30 to 30). The data points are red circles with black error bars. The rate is approximately 1.0 for $dz < -15$ cm and $dz > 15$ cm, and drops to a minimum of about 0.6 at $dz \approx -10$ cm. The bottom panel is a plot of 'Ratio' (y-axis, ranging from 0.95 to 1.0) versus 'track dz (cm)' (x-axis, ranging from -30 to 30). The data points are red circles with black error bars. The ratio is approximately 1.0 for $dz < -15$ cm and $dz > 15$ cm, and drops to a minimum of about 0.95 at $dz \approx -10$ cm.

The figure consists of two vertically stacked panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel's y-axis is 'pileup rate vs dz' ranging from 0.4 to 1.0. It shows data points (orange circles with error bars) that are mostly at a rate of 1.0 for |dz| > 10 cm, and drop to between 0.5 and 0.9 for |dz| < 10 cm. The bottom panel's y-axis is 'Ratio' ranging from 0.95 to 1.0. It shows data points (orange circles with error bars) that are mostly at a ratio of 1.0 for |dz| > 10 cm, and drop to between 0.95 and 1.0 for |dz| < 10 cm. Both panels have a dashed horizontal line at y = 1.0.