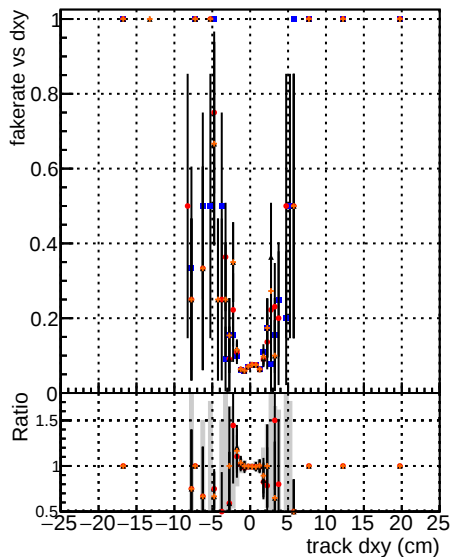
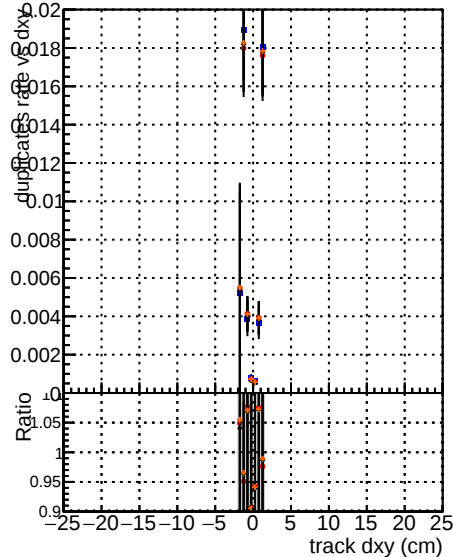


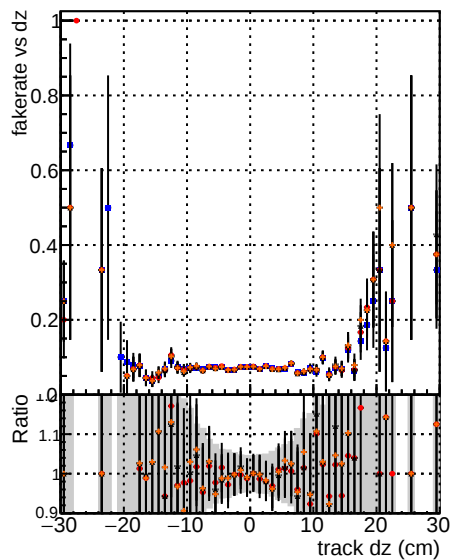
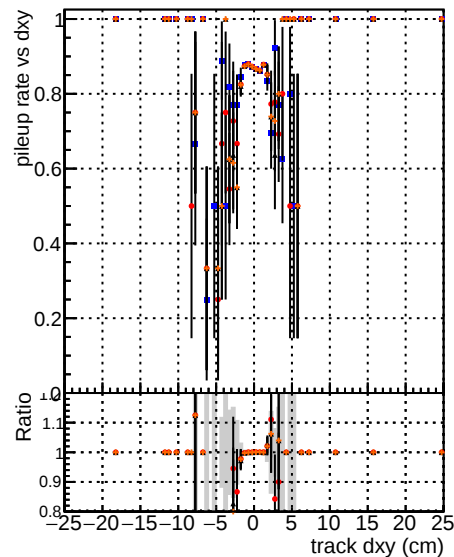
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



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 is labeled 'pileup rate vs dz' on the y-axis, ranging from 0.4 to 1.0. It shows two data series: blue circles and orange circles, both with vertical error bars. The data points are clustered around a value of 1.0 for most of the range, with some scatter and larger error bars at the extremes. The bottom panel is labeled 'Ratio' on the y-axis, ranging from 0.95 to 1.0. It shows the ratio of the two data series from the top panel. The ratio is mostly constant at 1.0, with some fluctuations and shaded regions indicating uncertainty. The shaded regions are more prominent at the extremes of the x-axis.