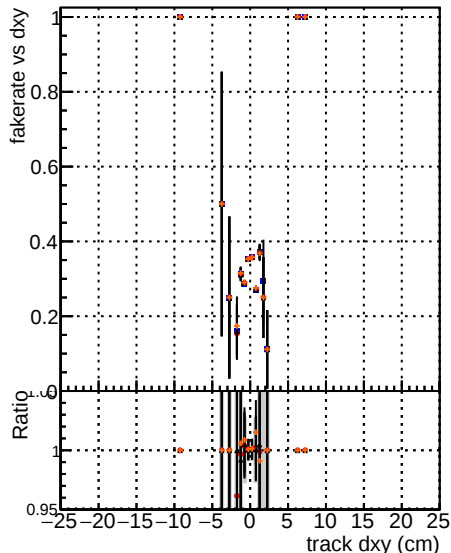
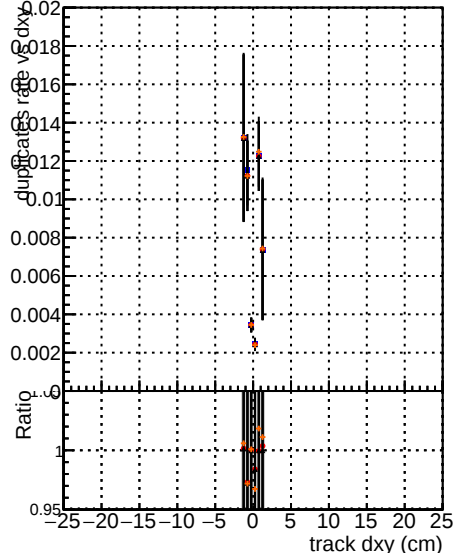


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

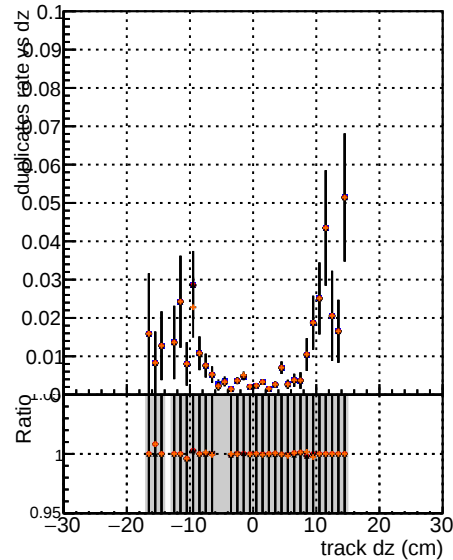
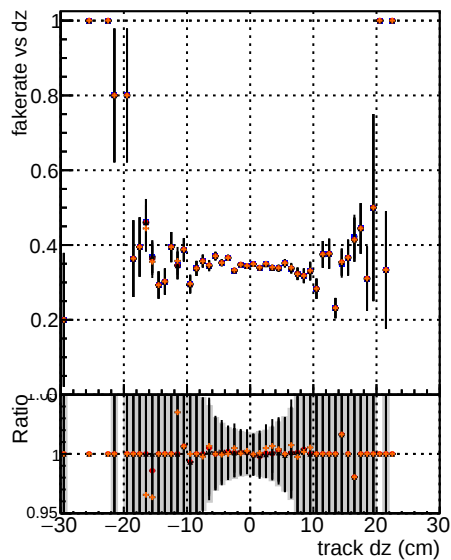
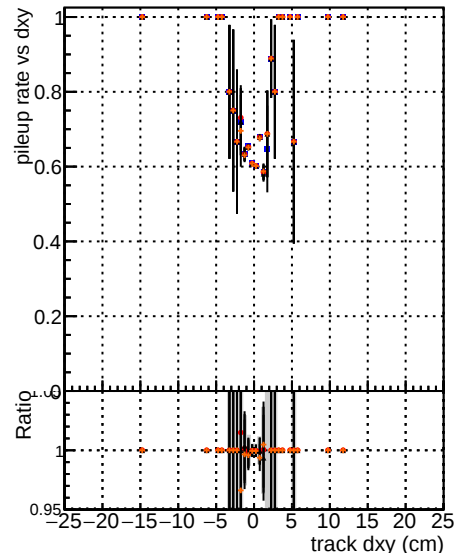


Figure 1 consists of two vertically stacked panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30.

The top panel is titled 'pileup rate vs dz'. The y-axis ranges from 0.2 to 1.0. It shows data points (black circles with error bars) and a solid black line representing the fit. The data shows a sharp drop in pileup rate from 1.0 at negative dz to approximately 0.6 at positive dz, with a slight dip around dz = 15 cm. A dashed horizontal line is at y = 0.6.

The bottom panel is titled 'Ratio'. The y-axis ranges from 0.95 to 1.0. It shows the ratio of the data to the fit, represented by black circles with error bars. The ratio is mostly close to 1.0, with some fluctuations, particularly at negative dz. A dashed horizontal line is at y = 1.0.

