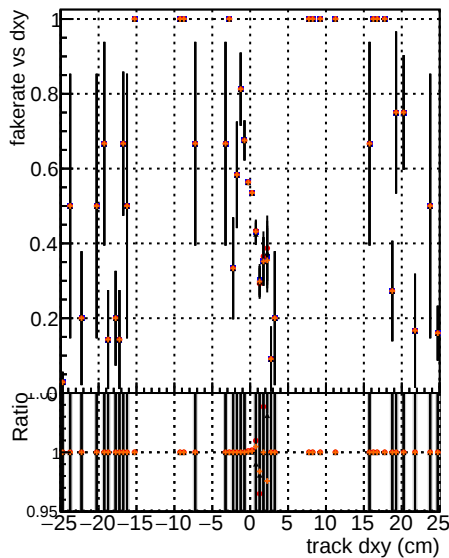
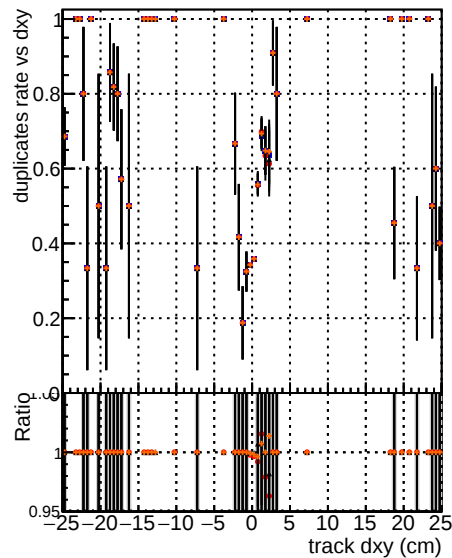


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

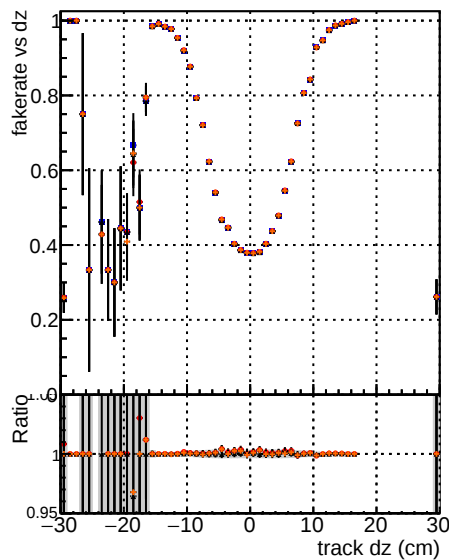
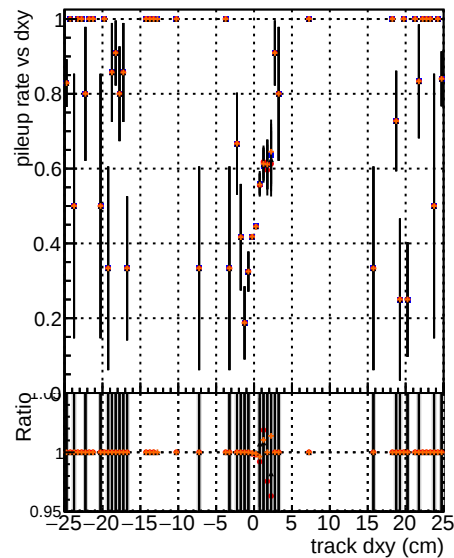


Figure 1 consists of two panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel is labeled 'pileup rate vs dz' on the y-axis, ranging from 0 to 1. It shows data points with error bars and a fitted curve (solid line) that peaks at approximately 0.6 around dz = 0 cm. The bottom panel is labeled 'Ratio' on the y-axis, ranging from 0.95 to 1.0. It shows data points with error bars and a fitted curve (solid line) that dips slightly below 1.0 around dz = 0 cm. Both panels include a dashed horizontal line at y = 1.0.