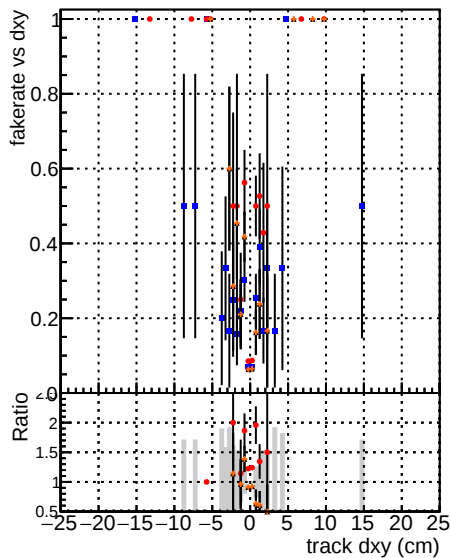
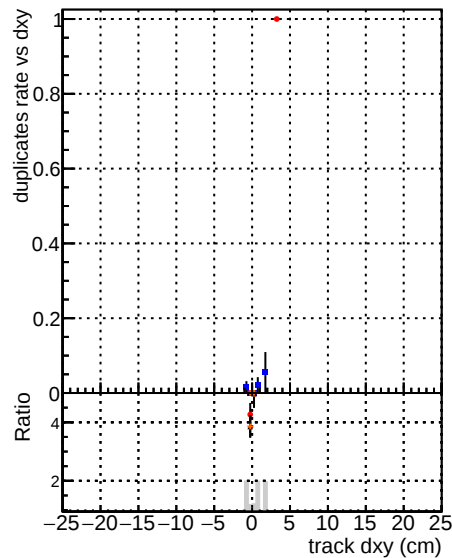


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

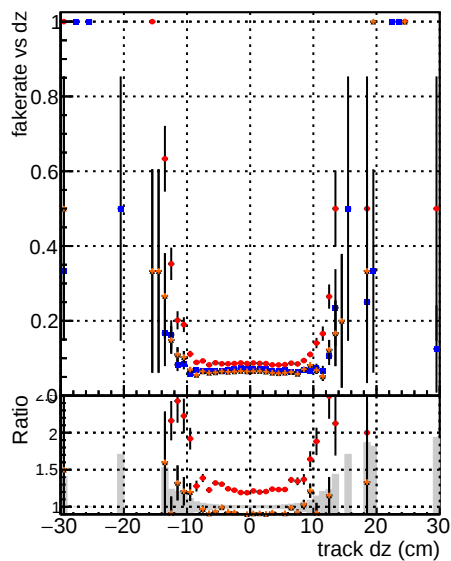
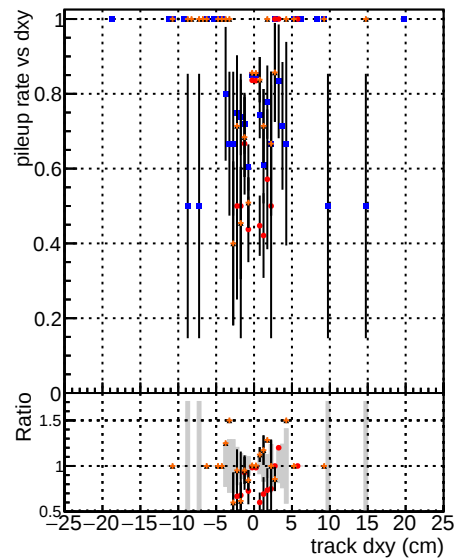


Figure 1 consists of three vertically stacked panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel plots 'duplicate rate vs dz' on the y-axis (0.0 to 0.1) for three data sets: blue, red, and orange. The middle panel plots the 'Ratio' of the duplicate rates on the y-axis (0 to 4). The bottom panel shows a histogram of the ratio, with a y-axis ranging from 0 to 4.

