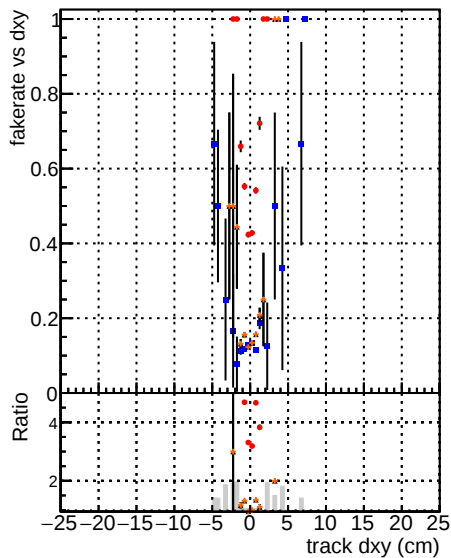
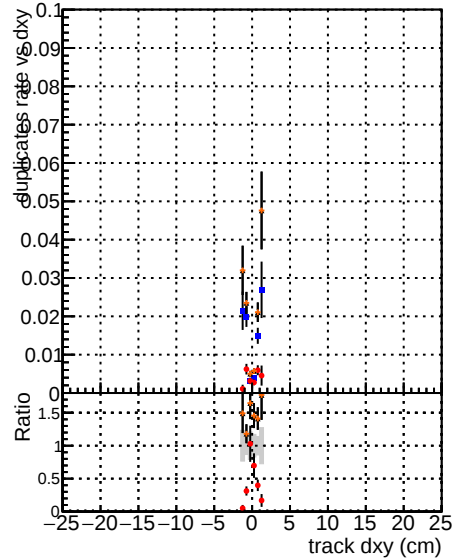


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

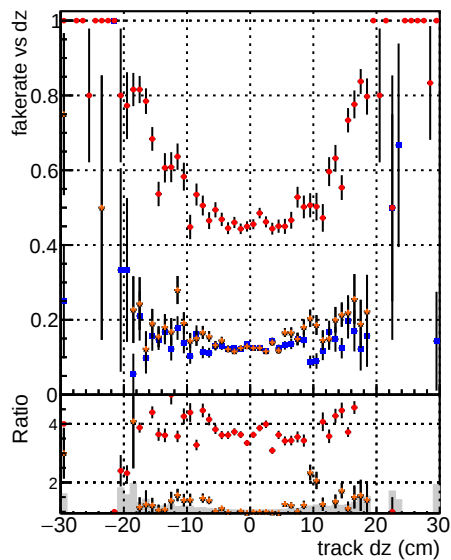
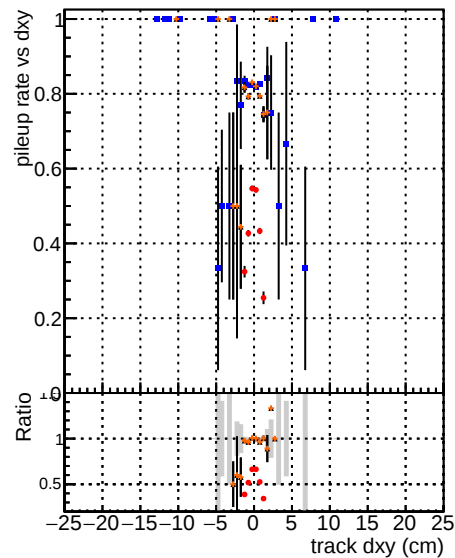


Figure 1 consists of three vertically stacked panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel shows 'pileup rate vs dz' on the y-axis (0 to 1). It contains three data series: blue squares, orange circles, and red diamonds, all with vertical error bars. The middle panel shows 'Ratio' on the y-axis (0 to 1) for the same three series. The bottom panel shows 'Ratio' on the y-axis (0 to 1) for the same three series, with a shaded gray region around the 1.0 ratio line. The x-axis is labeled 'track dz (cm)' at the bottom right.