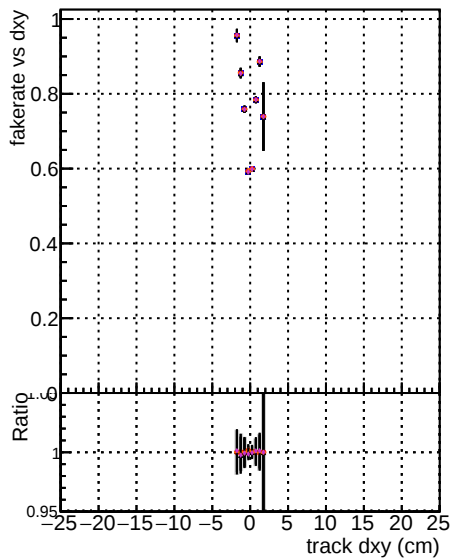
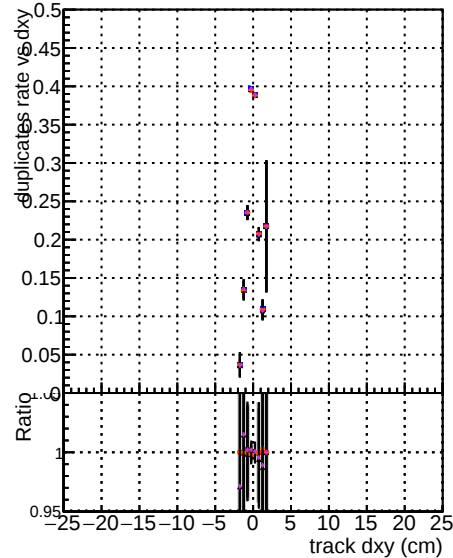


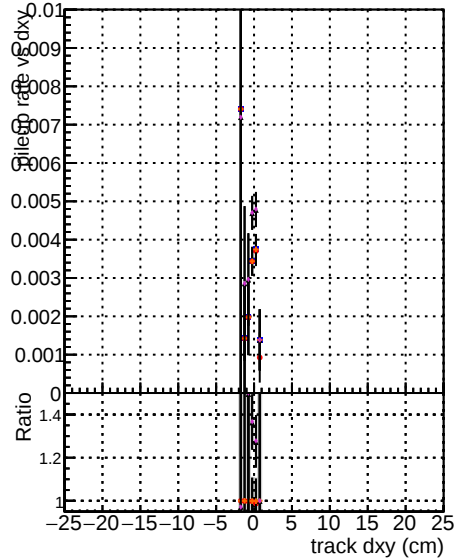
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

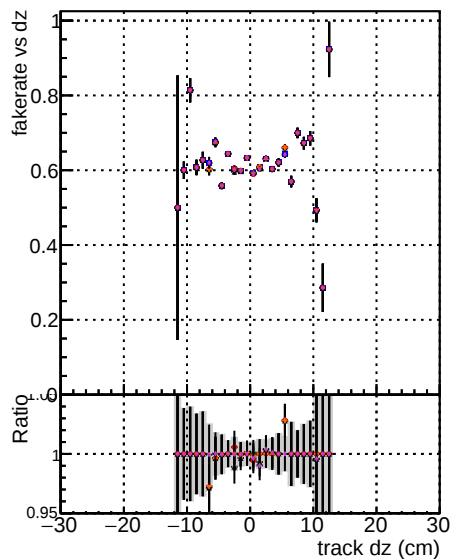


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top plot's y-axis is 'duplicates rate vs dz' on a logarithmic scale from 0.1 to 0.8. It shows data points with vertical error bars for three track types: purple (top), orange (middle), and red (bottom). A horizontal dashed line is at y ≈ 0.38. The bottom plot's y-axis is 'Ratio' on a linear scale from 0.95 to 1.0. It shows the ratio of the duplicate rates for the three track types, with a horizontal dashed line at y = 1.0. The data points in the bottom plot are clustered around the ratio of 1.0, with some scatter and vertical error bars.