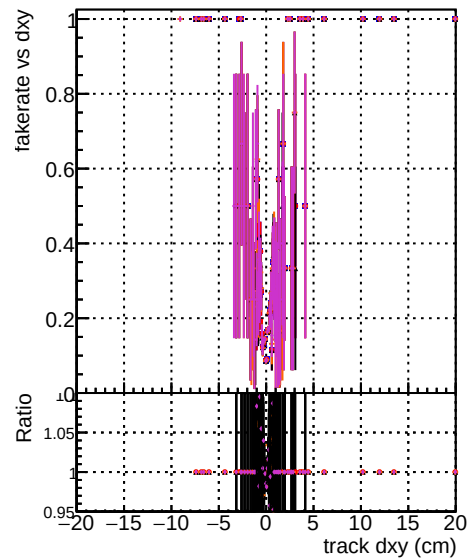
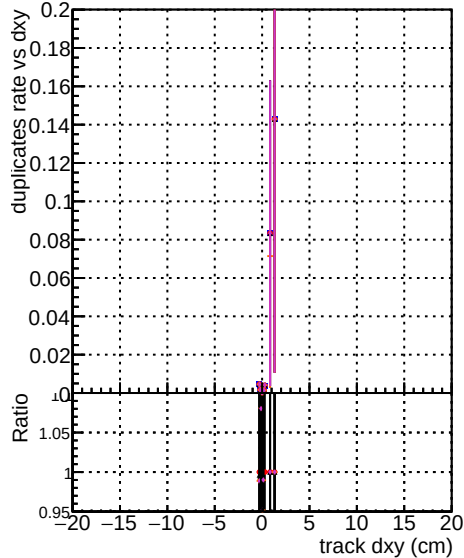


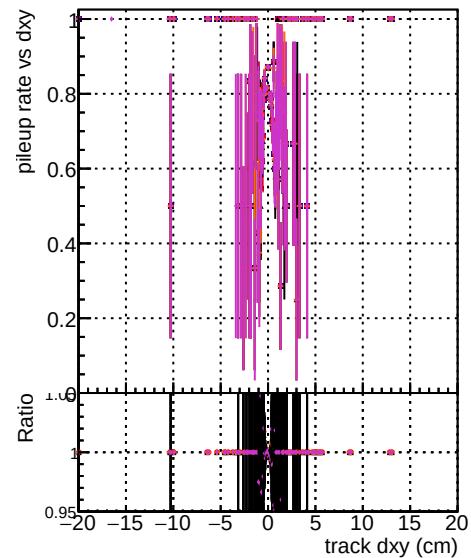
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

Fake rate vs d

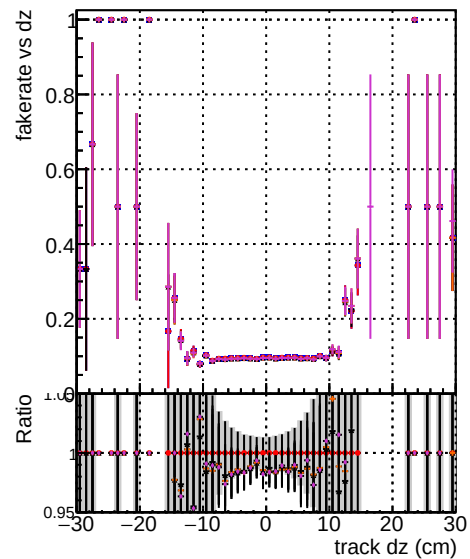


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top plot's y-axis is 'pileup rate vs dz' ranging from 0 to 1. It shows a black line with error bars representing the pileup rate and a red line with error bars representing the ratio. The bottom plot's y-axis is 'Ratio' ranging from 0.95 to 1.05, showing a black line with error bars representing the ratio of the pileup rate to the ratio.