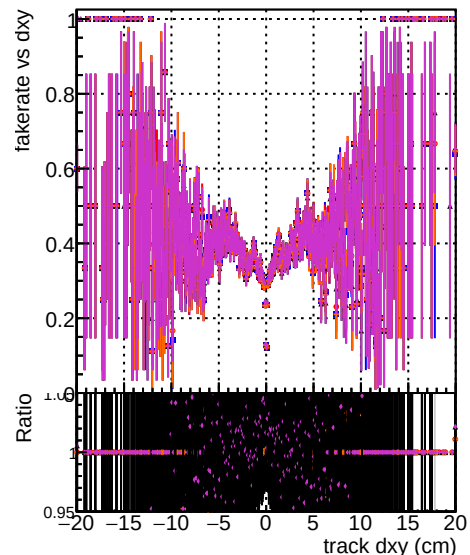
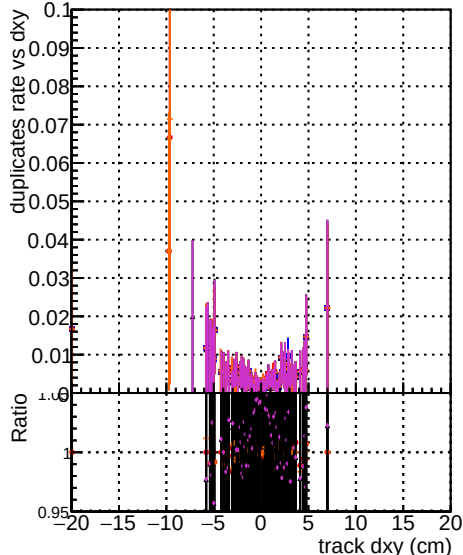


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

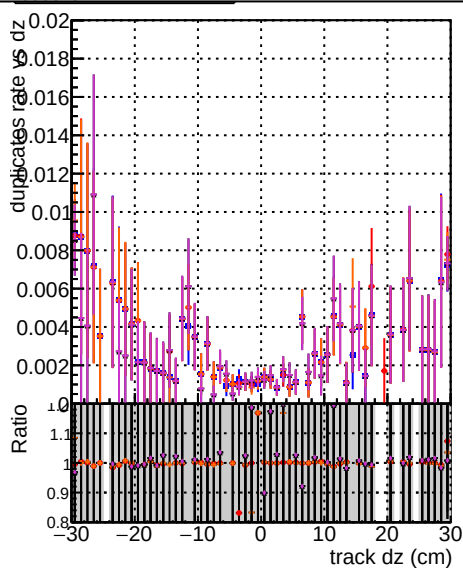
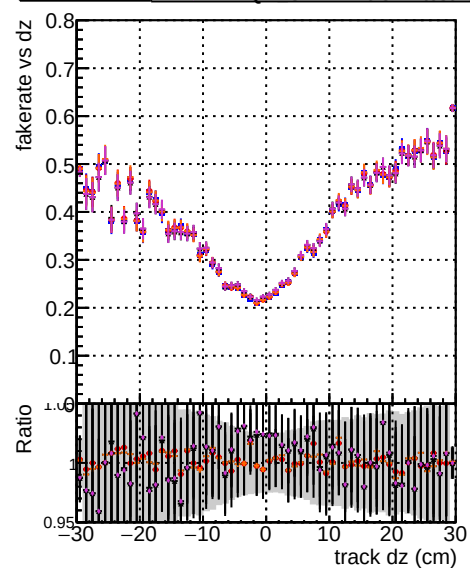
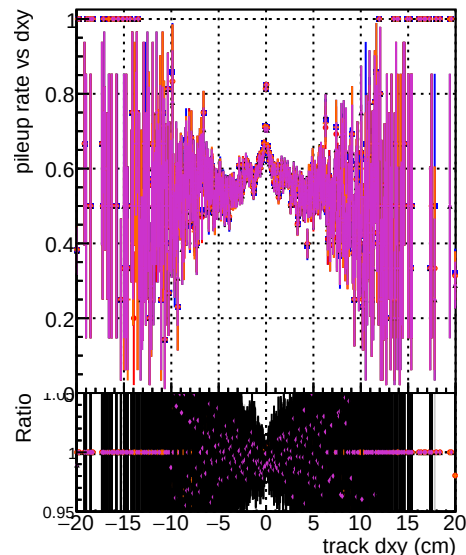


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top plot shows the 'pileup rate vs dz' on the y-axis, ranging from 0.3 to 0.8. It displays data points with error bars and a solid black Gaussian fit curve. The data points are colored in a gradient from blue to red. The bottom plot shows the 'Ratio' on the y-axis, ranging from 0.95 to 1.05. It displays data points with error bars and a solid black horizontal line representing a fit, which is slightly above 1.0.