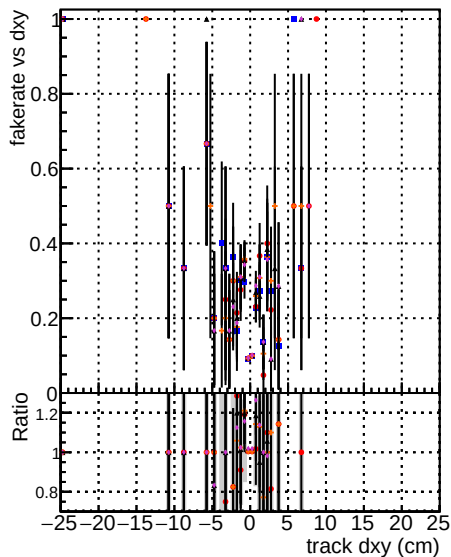
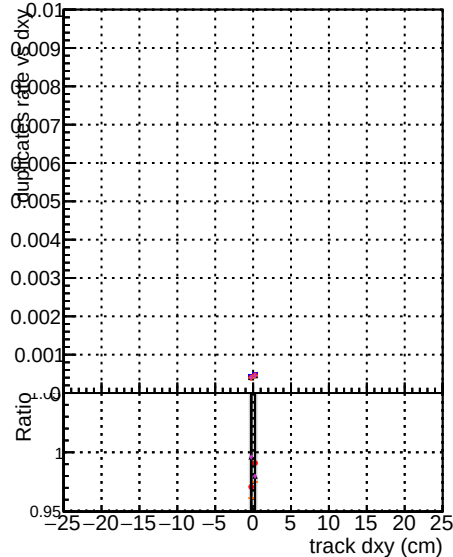


### Fake rate vs dxy



### Duplicates Rate vs Dxy



### Pileup rate vs dxy

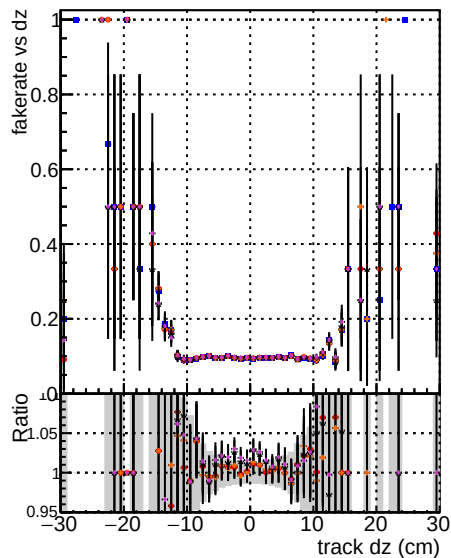
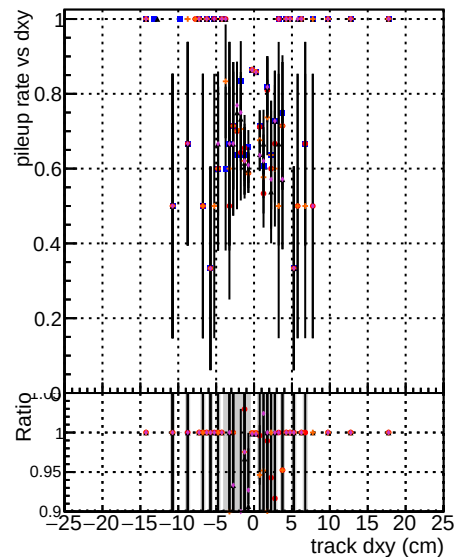


Figure 1 consists of two panels. The top panel is a plot of 'pileup rate vs dz' on the y-axis (ranging from 0.2 to 1.0) versus 'track dz (cm)' on the x-axis (ranging from -30 to 30). It shows data points with error bars for various dz ranges. The bottom panel is a plot of 'Ratio' on the y-axis (ranging from 0.95 to 1.0) versus 'track dz (cm)' on the x-axis (ranging from -30 to 30). It shows data points with error bars and shaded regions indicating specific dz ranges.