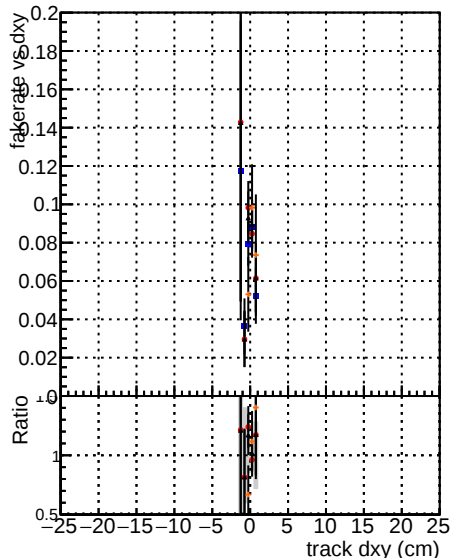
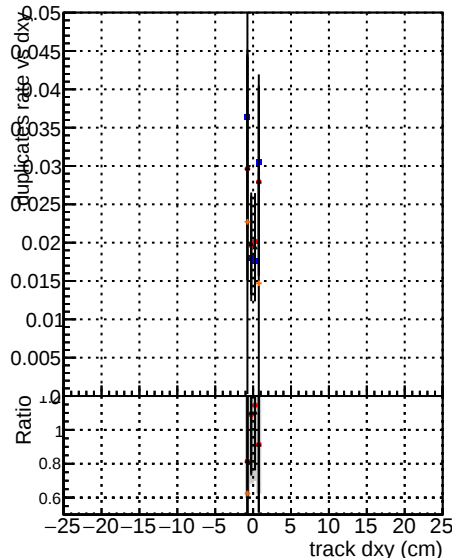


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

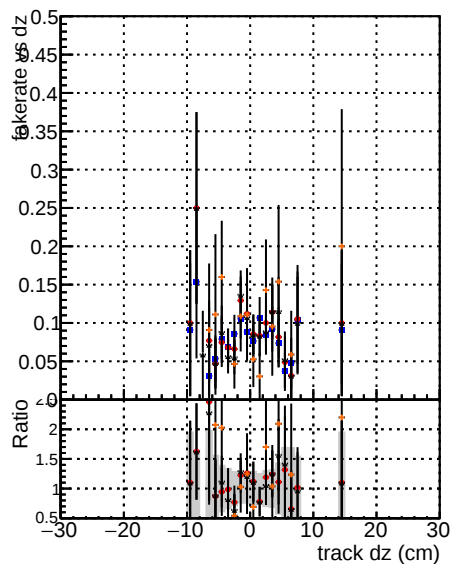
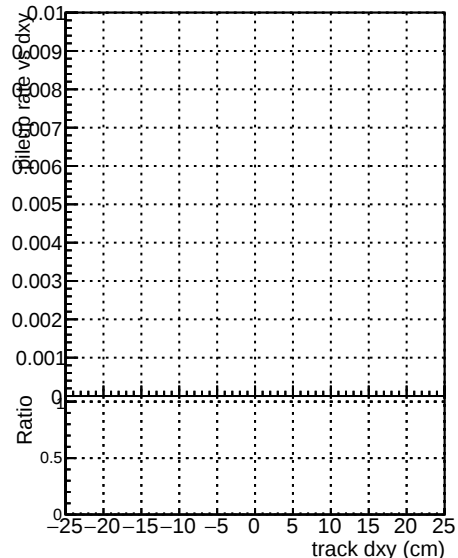


Figure 1 is a scatter plot with error bars showing the ratio of duplicate rates versus track distance (dz) in centimeters. The x-axis ranges from -30 to 30 cm, and the y-axis ranges from 0.8 to 1.0. The plot displays data points for two different track reconstruction methods, represented by blue and red dots. The blue dots show a significant increase in the ratio for larger track distances, while the red dots remain relatively flat near the ratio of 1.0. Shaded vertical regions indicate specific track distance ranges.

