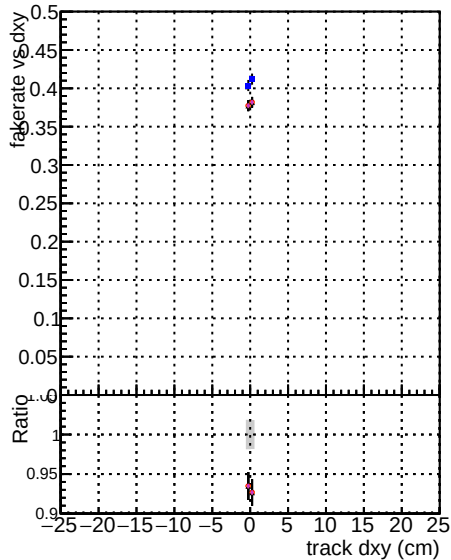
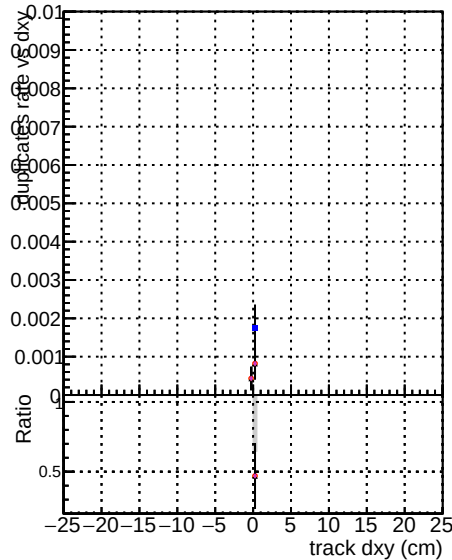


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

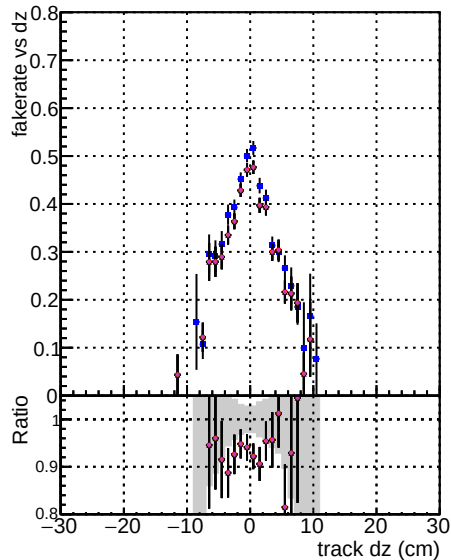
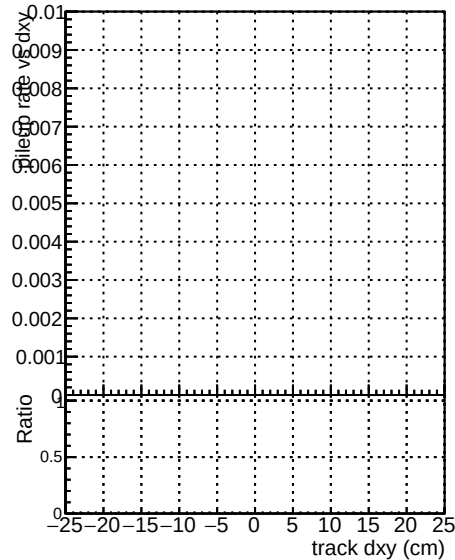


Figure 1 is a plot showing the ratio of the number of duplicated tracks to the number of tracks as a function of track dz (cm). The x-axis ranges from -30 to 30 cm, and the y-axis ranges from 0 to 0.01. Data points are shown for different track dz ranges: -10 to 0 cm (blue diamonds), 0 to 1 cm (red circles), and 1 to 10 cm (black circles). Vertical error bars are shown for each range. A horizontal line is drawn at Ratio = 0.001.