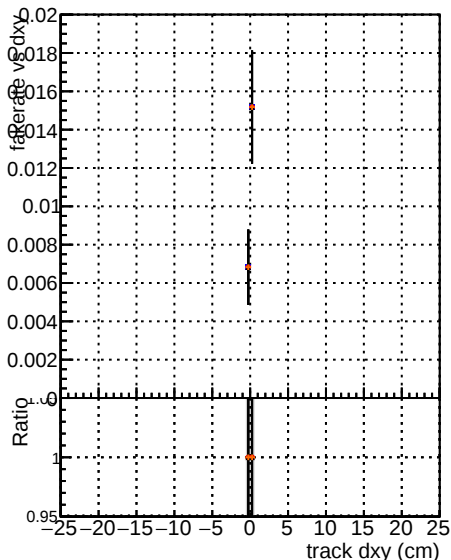


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

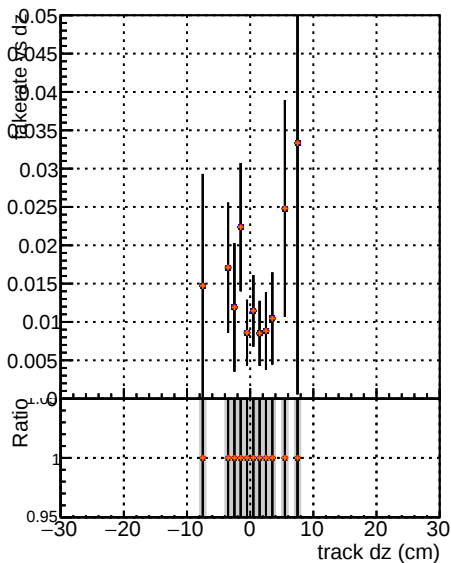
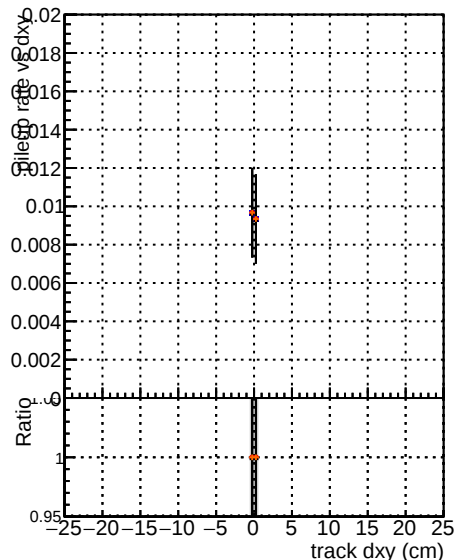


Figure 1 is a plot showing the ratio of the pile-up rate to the total rate as a function of the track dz (cm). The x-axis ranges from -30 to 30 cm, and the y-axis ranges from 0.95 to 0.05. The data points are represented by orange circles with vertical error bars. A horizontal line is drawn at Ratio = 1.0. The data points are clustered around Ratio = 1.0 for track dz between -5 and 5 cm, and show a sharp increase for track dz > 5 cm.

