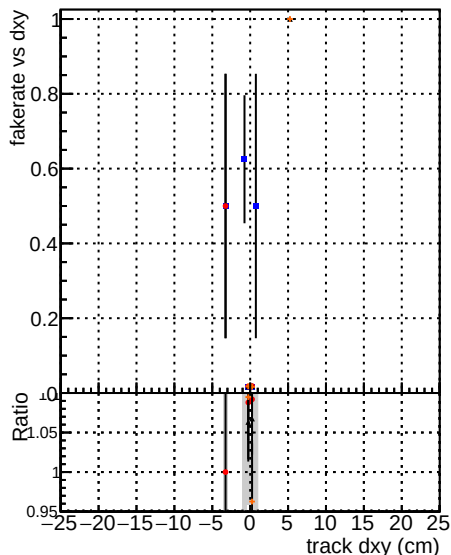
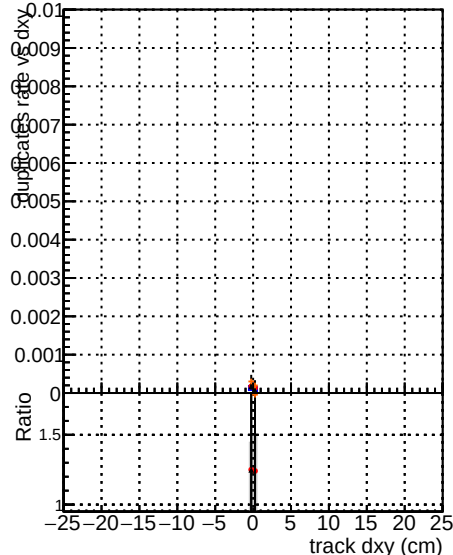


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

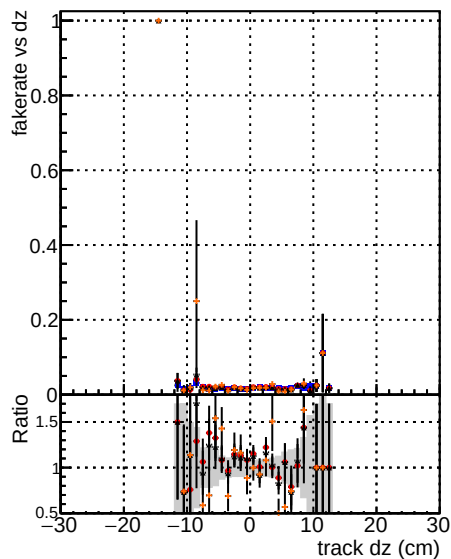
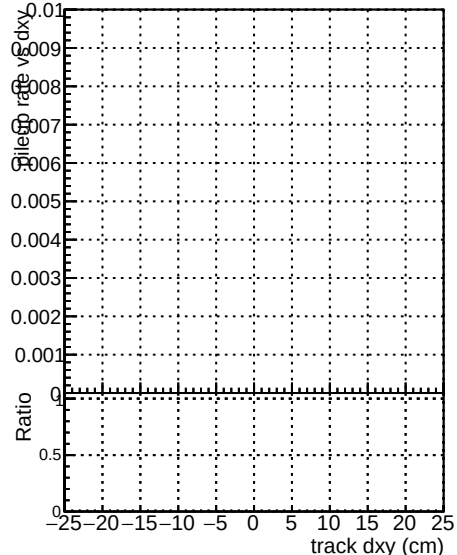


Figure 1 is a plot showing the ratio of the number of tracks with a given dz to the total number of tracks, versus track dz (cm). The x-axis ranges from -30 to 30 cm, and the y-axis ranges from 0 to 0.01. Data points are shown for $dz = 0.5$ cm (black), 1 cm (red), 2 cm (blue), and 3 cm (orange). The distribution is centered around 0 cm, with a peak at 0 cm and a smaller peak at 1 cm. The ratio decreases as $|dz|$ increases.

