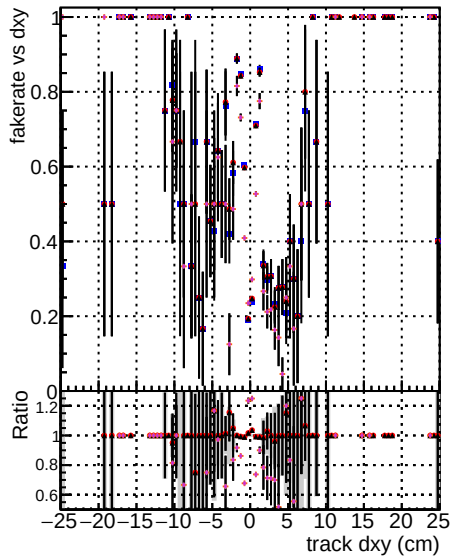
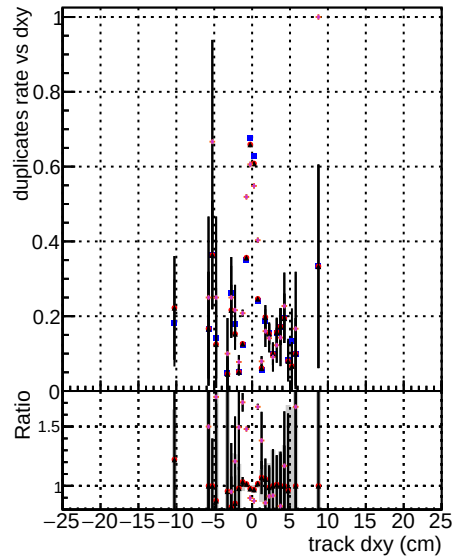


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

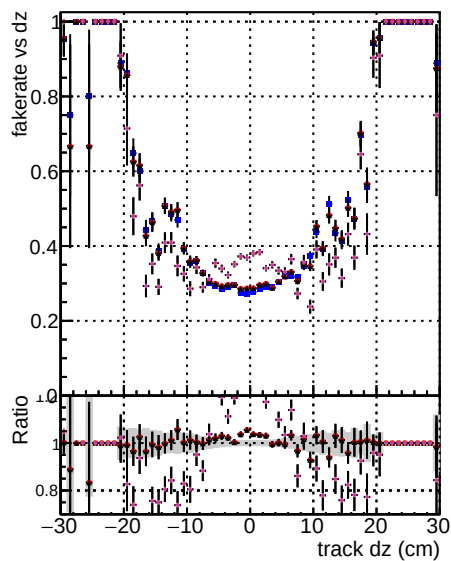
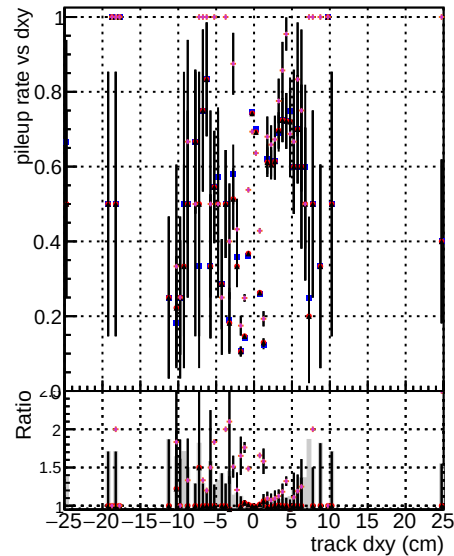


Figure 10 consists of two vertically stacked panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel is labeled 'duplicates rate vs dz' on the y-axis, which ranges from 0.1 to 0.8. It displays three data series: black circles, blue circles, and red crosses, each with vertical error bars. A solid black curve is fitted to the data, showing a peak around dz = 0. The bottom panel is labeled 'Ratio' on the y-axis, ranging from 0.8 to 1.2. It shows the same three data series (black circles, blue circles, and red crosses) with error bars, representing the ratio of the duplicate rates from the top panel. The ratio is generally close to 1.0, with some fluctuations and a slight dip around dz = 0.

