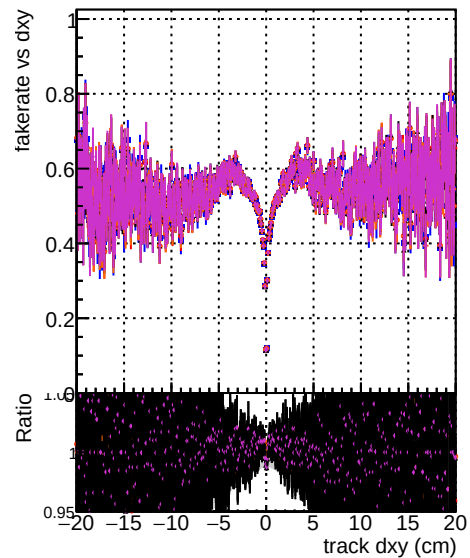
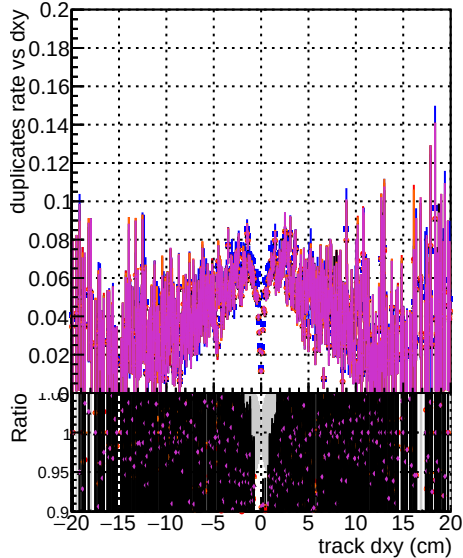


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

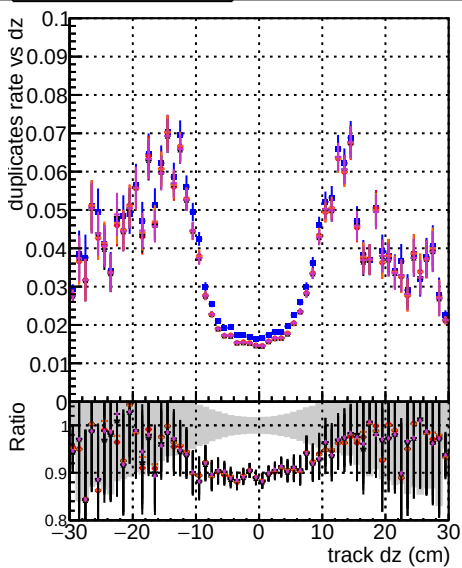
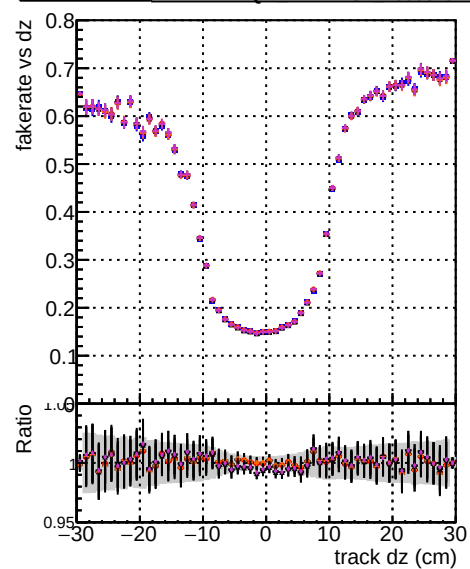
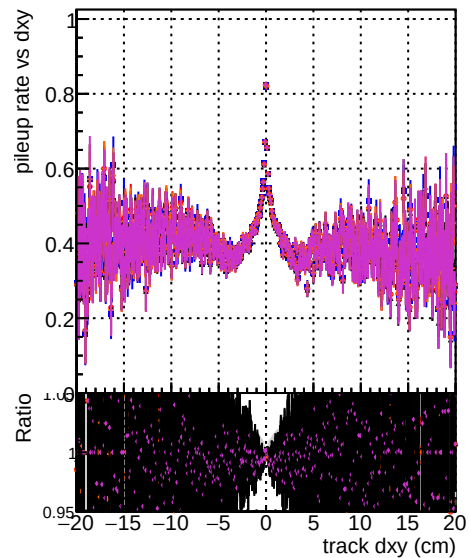


Figure 1 consists of two vertically stacked panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30.

The top panel is titled 'pileup rate vs dz'. The y-axis ranges from 0.2 to 1.0. It shows a distribution of pileup rates represented by magenta squares. The rate starts at approximately 0.35 at dz = -30 cm, rises to a peak of about 0.8 between dz = -5 cm and dz = 5 cm, and then decreases back to approximately 0.3 at dz = 30 cm. A dashed horizontal line is drawn at y = 0.8.

The bottom panel is titled 'Ratio'. The y-axis ranges from 0.95 to 1.05. It shows two data series: black circles and red circles. Both series fluctuate around a ratio of 1.0. A solid horizontal line is drawn at y = 1.0. The black circles show more frequent fluctuations than the red circles.

