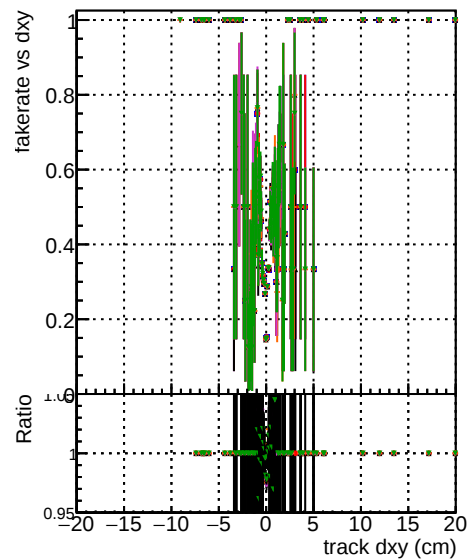
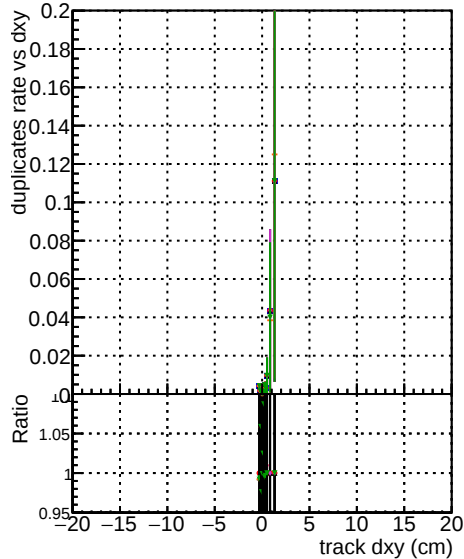


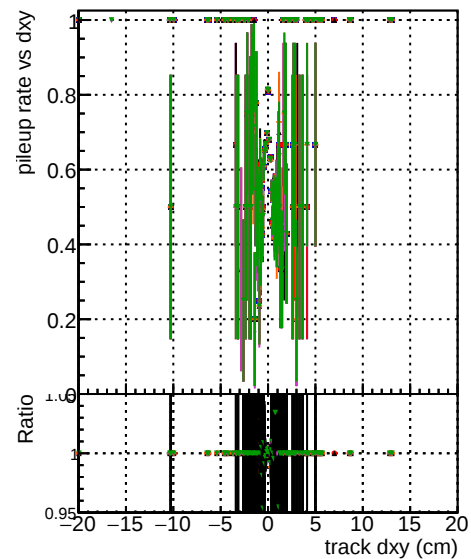
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

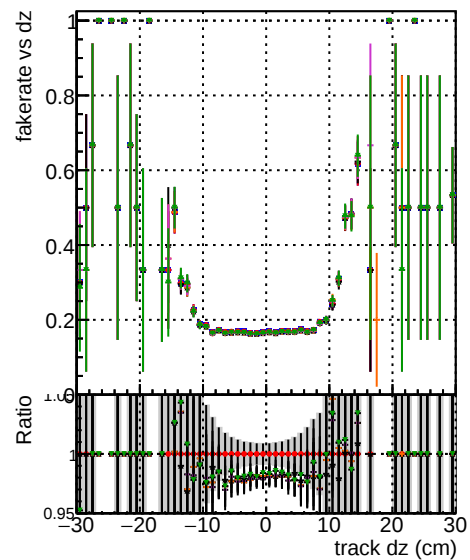


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top plot's y-axis is 'duplicates rate vs dz' ranging from 0.0 to 0.2. It shows green data points with vertical error bars. A horizontal red line is drawn at y = 0.1. The bottom plot's y-axis is 'Ratio' ranging from 0.95 to 1.0. It shows black data points with vertical error bars. A horizontal red line is drawn at y = 1.0. Both plots have a shaded region between dz = -15 and 15 cm, indicated by vertical black lines.