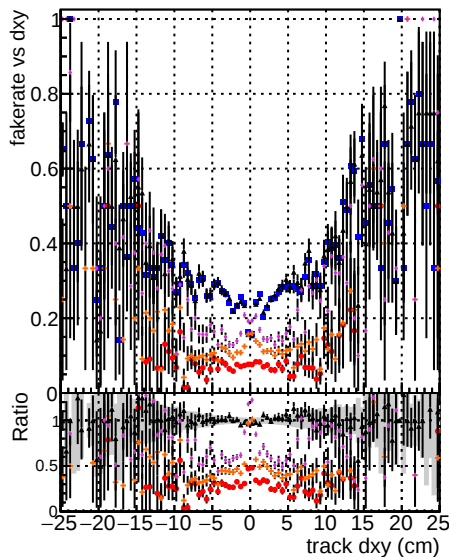
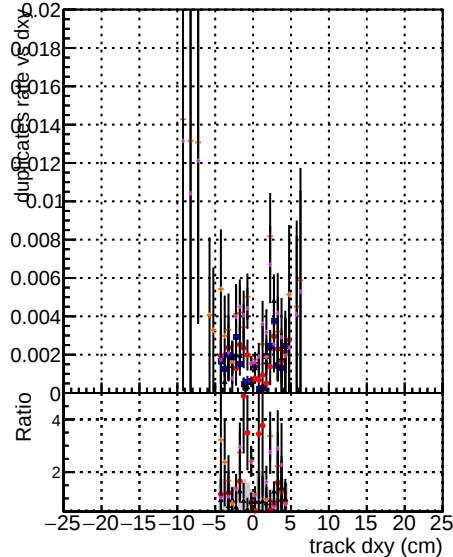


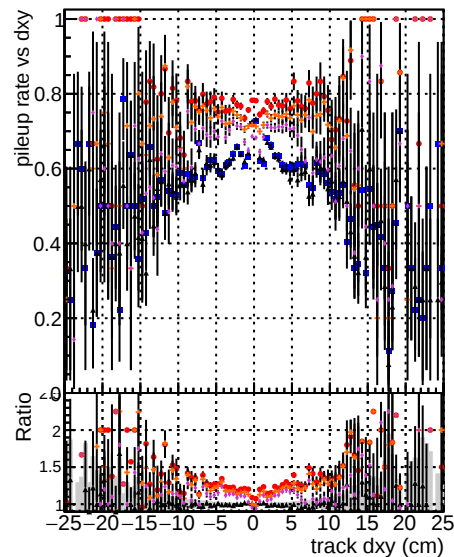
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

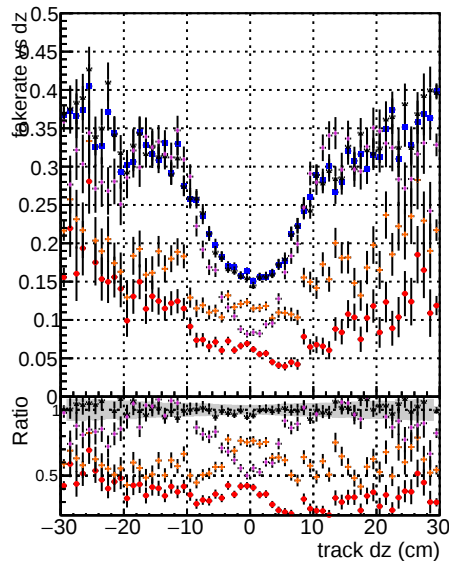


Figure 1 consists of two vertically stacked panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel's y-axis is 'pileup rate vs dz' ranging from 0.4 to 1.0. It shows black dots with error bars representing the pileup rate, and various colored dots with error bars representing ratios for different track dz ranges. The bottom panel's y-axis is 'Ratio' ranging from 1.0 to 1.4. It shows black dots with error bars representing the ratio of the pileup rate to the ratio of the track dz ranges, and various colored dots with error bars representing the ratio of the track dz ranges to the ratio of the track dz ranges.