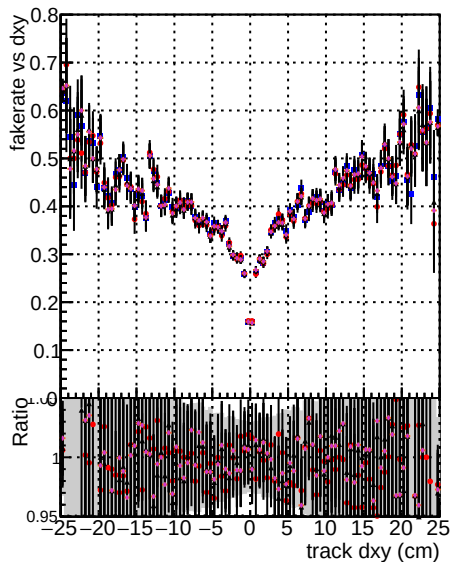
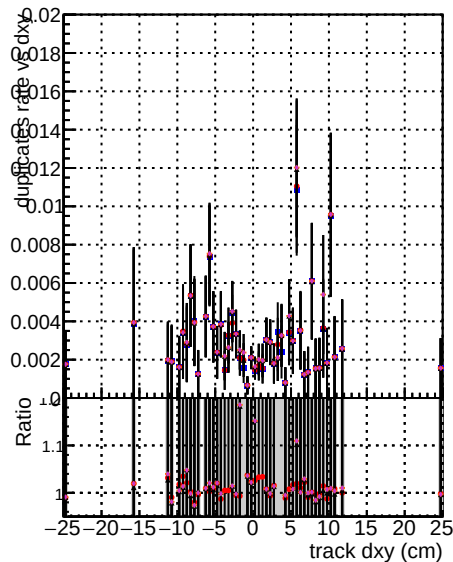


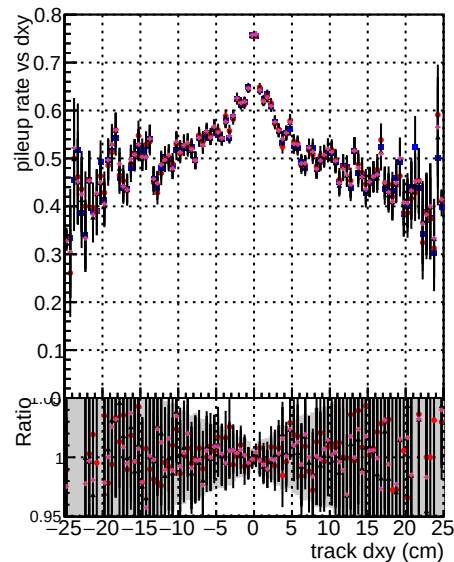
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

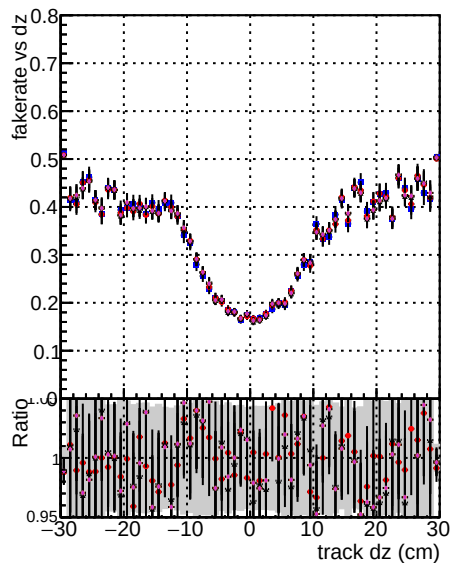


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top plot shows the 'pileup rate vs dz' on the y-axis, ranging from 0.4 to 0.8. It displays data points with error bars and a fitted curve that peaks at approximately 0.72 around dz = 0. The bottom plot shows the 'Ratio' on the y-axis, ranging from 0.95 to 1.05. It displays data points with error bars and a shaded gray region representing the uncertainty band, which is centered around 1.0.