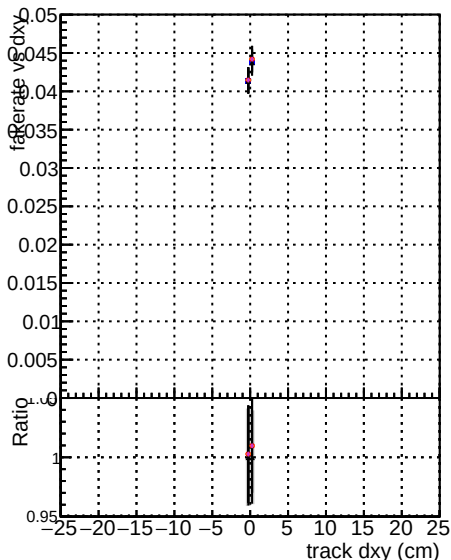
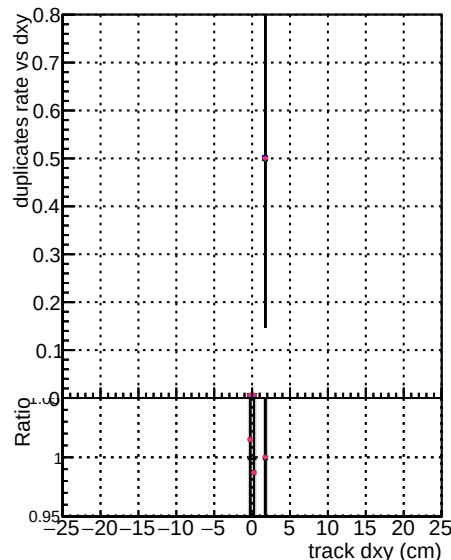


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

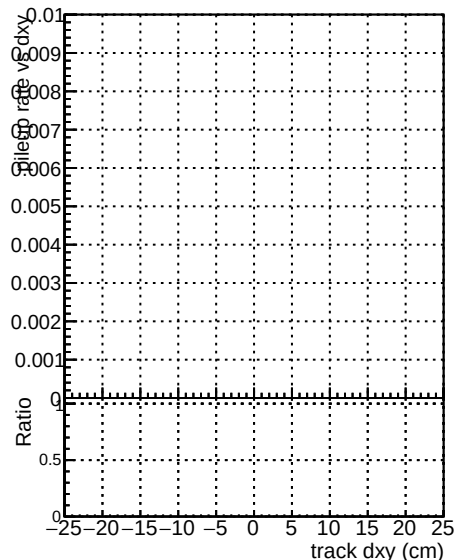


Figure 1: Comparison of the proposed method with existing methods. The figure shows a bar chart comparing the Fake rate vs d for various methods. The methods are DOM, mFitt, XMin, NOBU, and RetrainOldFiles. The methods are compared against a baseline of 125 v2. The proposed method, XMin, shows the lowest Fake rate vs d, indicating the best performance.

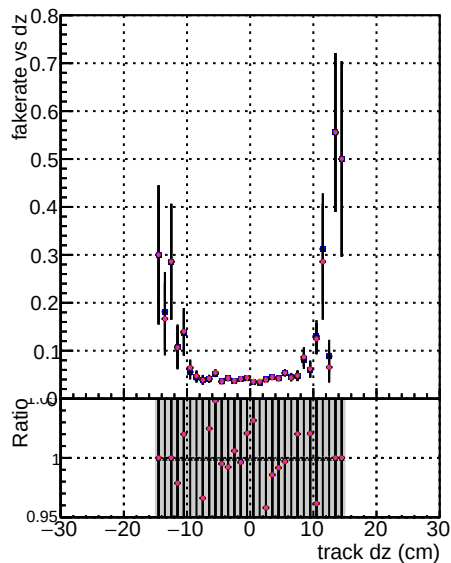


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top plot's y-axis is labeled 'Ratio' and ranges from 0.02 down to 0.0. It displays data points with vertical error bars, showing a distribution of track dz values. The bottom plot's y-axis is labeled 'Ratio' and ranges from 0.95 down to 0. It displays data points with vertical error bars, showing a distribution of track dz values. Both plots include a horizontal dashed line at y=0.01 in the top panel and y=0.95 in the bottom panel.