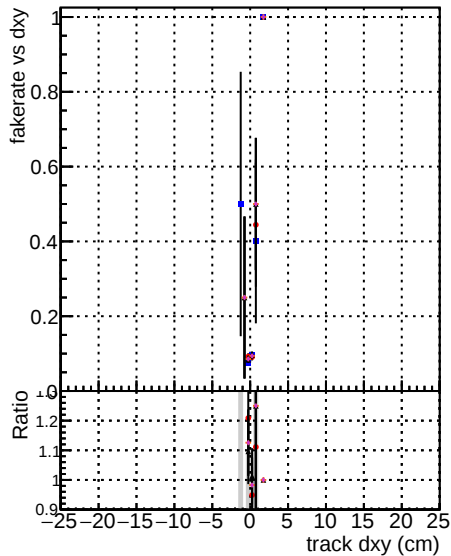


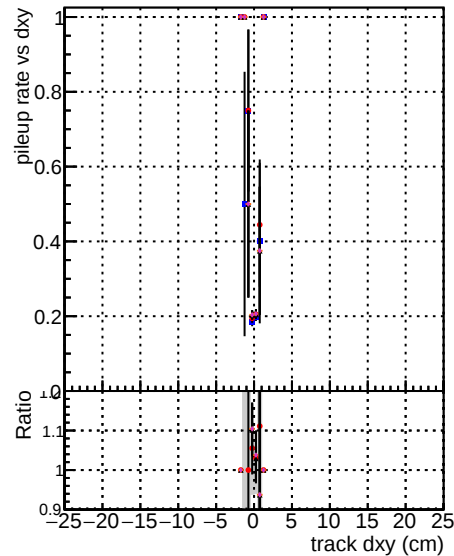
Fake rate vs dxy



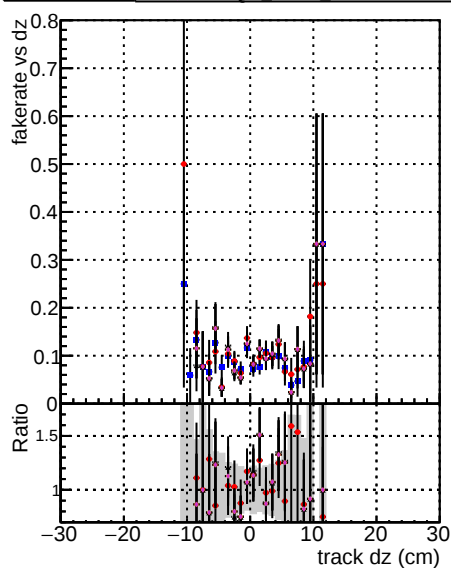
Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d



The figure 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 'pile-up rate \$s\$' ranging from 0 to 0.5. It shows data points with error bars, with red and blue points indicating different datasets. The bottom plot's y-axis is 'Ratio' ranging from 1 to 1.4. It shows the ratio of the pile-up rates for the two datasets, with a central peak around 0 cm.