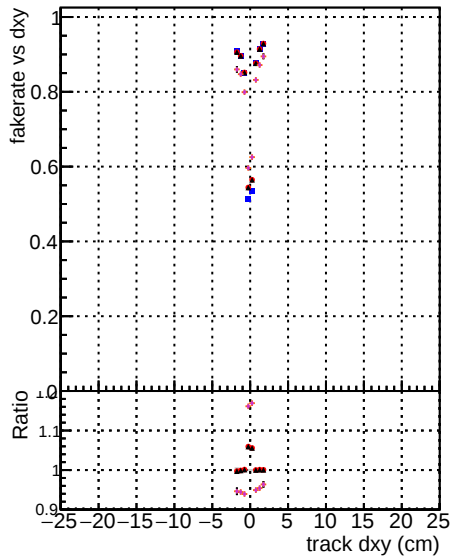
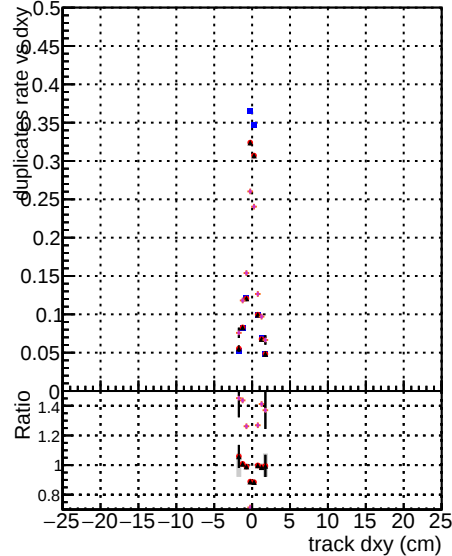


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

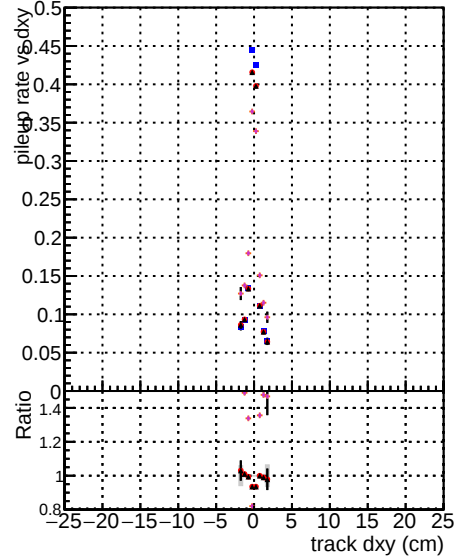
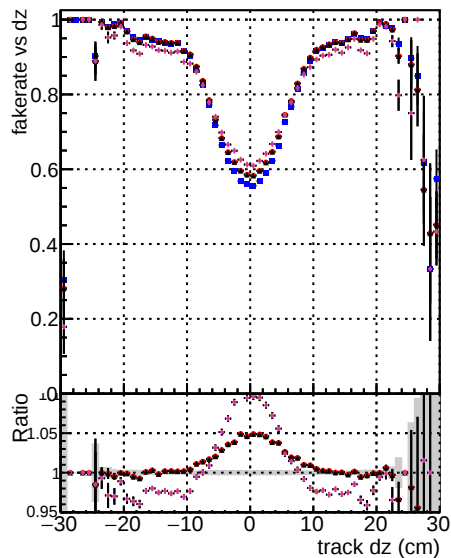


Figure 1: Fake rate vs d. A bar chart showing the fake rate for different models and steps. The y-axis is 'Fake rate vs d' and the x-axis is 'Model'. The models are DGMstep3, TT, GKE, and GKE. The steps are 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20. The fake rate is highest for DGMstep3 and lowest for TT.



The figure consists of two vertically stacked panels. The x-axis for both panels is 'track dz (cm)' ranging from -30 to 30. The y-axis for the top panel is 'duplicates rate vs dz' ranging from 0 to 1. The y-axis for the bottom panel is 'Ratio' ranging from 1 to 1.5. Both panels show data points with error bars and a fitted curve. The top panel shows a peak around 0 cm, while the bottom panel shows a peak around 20 cm.

Figure 1 consists of two panels. The top panel shows the pileup rate (black line) and ratios for different pileup models (colored points) as a function of track dz (cm). The bottom panel shows the ratio of the pileup rate to the ratio of the pileup models (black line) as a function of track dz (cm).