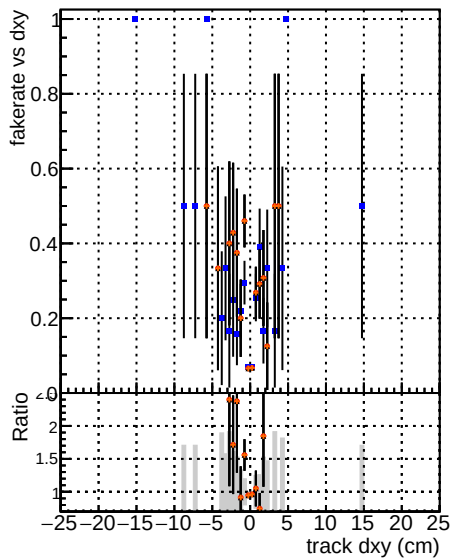
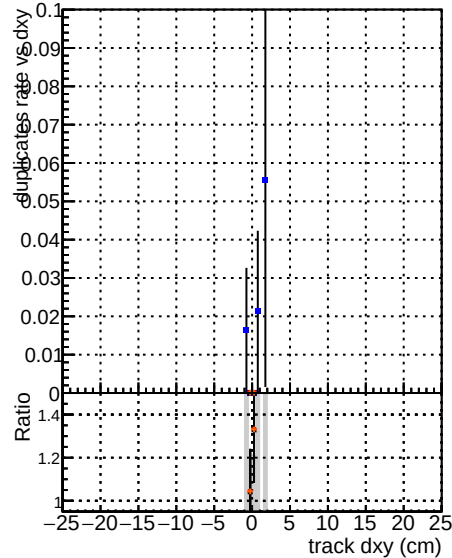


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

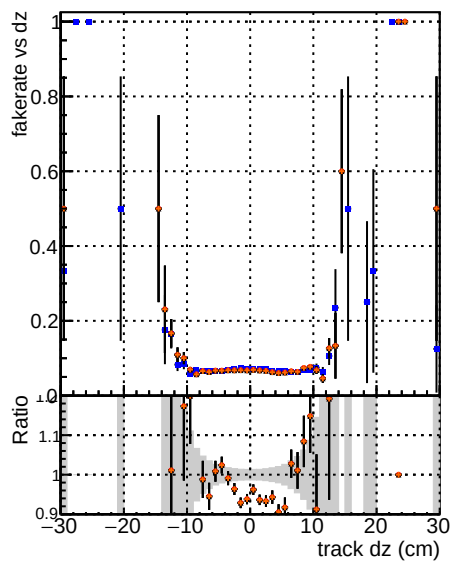
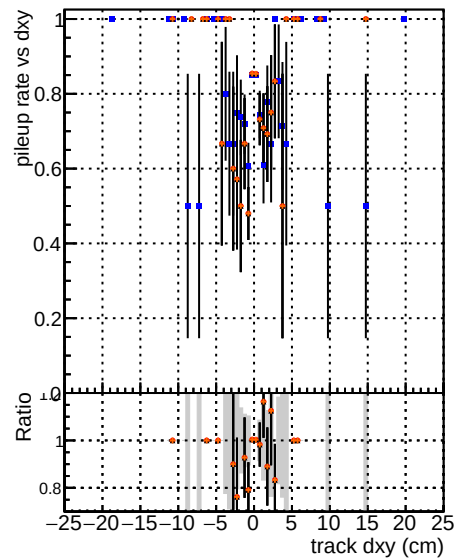


Figure 1 consists of two panels. The top panel shows the ratio of duplicate rates (y-axis, 0.0 to 0.1) versus track dz (x-axis, -30 to 30 cm). The bottom panel shows the ratio of duplicate rates (y-axis, 0.5 to 1.5) versus track dz (x-axis, -30 to 30 cm). Both panels show data points with error bars and a solid line representing the fit.

Figure 1 consists of two panels. The top panel shows the pileup rate vs dz (y-axis, ranging from 0.2 to 1.0) for three different pileup models: blue squares, orange circles, and red triangles. The x-axis is track dz (cm), ranging from -30 to 30. The bottom panel shows the Ratio vs track dz (cm) (y-axis, ranging from 0.95 to 1.0) for the same three models. The shaded regions in the bottom panel indicate the uncertainty in the ratio.