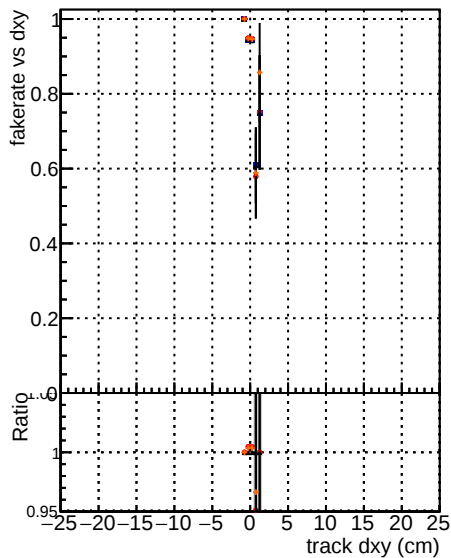
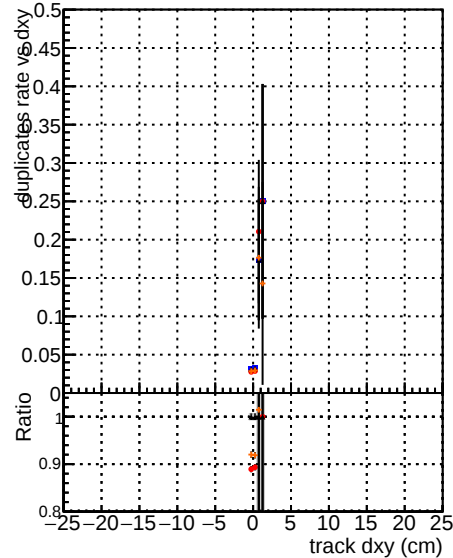


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

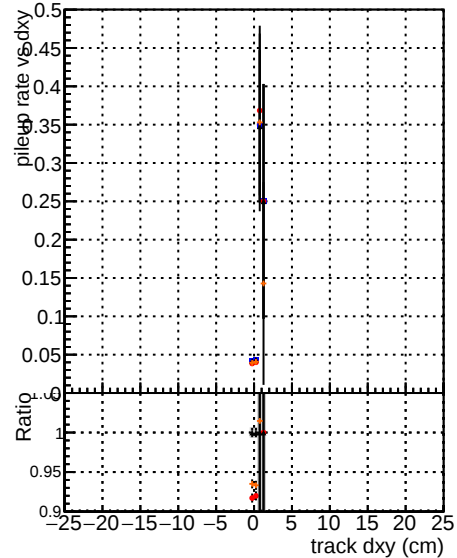
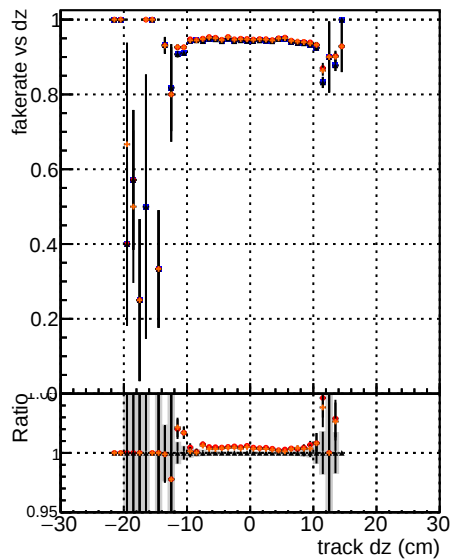


Figure 1: Fake rate vs d . The plot shows the fake rate as a function of d for various models. The x-axis represents d (ranging from 0 to 1), and the y-axis represents the Fake rate (ranging from 0 to 1). The legend indicates the following models and their corresponding colors:

- baseline (black)
- wSQCD (red)
- wSQCD (blue)
- wSQCD (green)
- wSQCD (orange)
- wSQCD (purple)
- wSQCD (brown)
- wSQCD (pink)
- wSQCD (gray)
- wSQCD (light blue)
- wSQCD (light green)
- wSQCD (light orange)
- wSQCD (light purple)
- wSQCD (light brown)
- wSQCD (light pink)
- wSQCD (light gray)
- wSQCD (very light blue)
- wSQCD (very light green)
- wSQCD (very light orange)
- wSQCD (very light purple)
- wSQCD (very light brown)
- wSQCD (very light pink)
- wSQCD (very light gray)



The figure consists of two vertically stacked panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel's y-axis is 'pileup rate vs dz' ranging from 0.0 to 0.8. It shows two data series: black circles with vertical error bars and red circles with vertical error bars. Both series show a sharp increase in the pileup rate ratio for negative track dz values, peaking around -15 cm. The bottom panel's y-axis is 'Ratio' ranging from 0.0 to 1.0. It shows the ratio of the two models (black and red) as a function of track dz. The ratio is generally close to 1.0 for positive track dz values and decreases for negative track dz values, reaching a minimum around -15 cm.