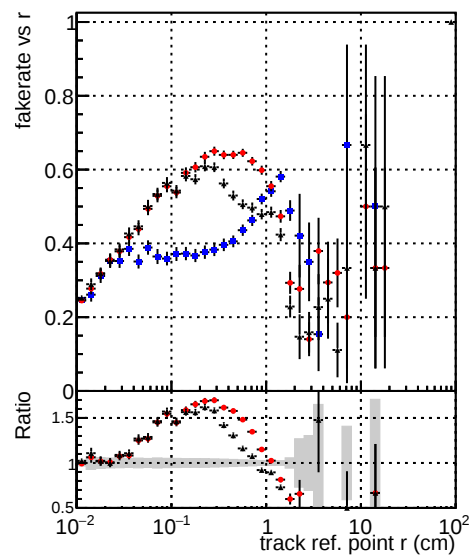
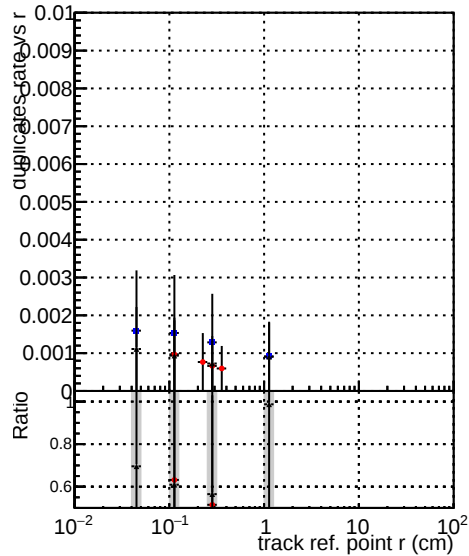


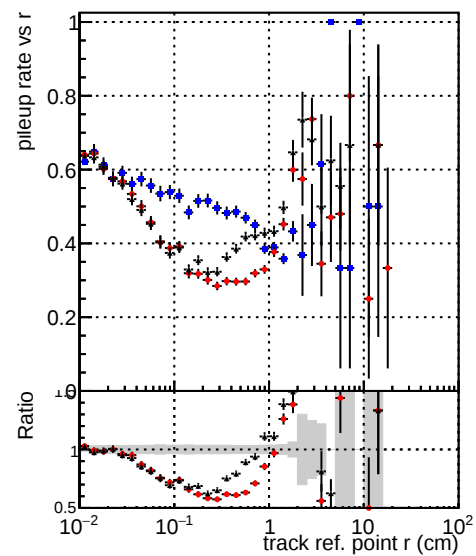
Fake rate vs vertpos



Duplicates Rate vs vertpos



Pileup rate vs vertpos



Fake rate vs v

 DQMstep3_TT_CKF
 DQMstep3_TT_CKF-t00
 DQMstep3_TT_CKF-t01

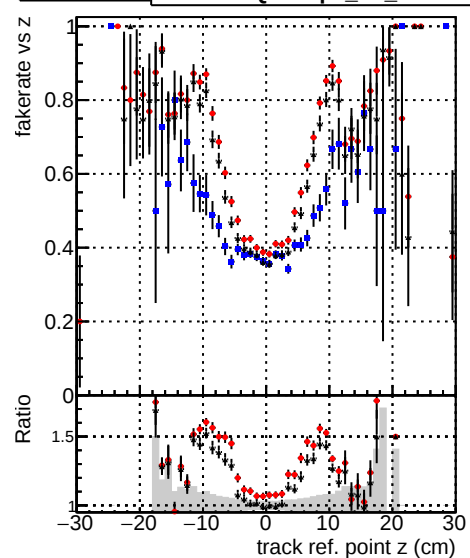
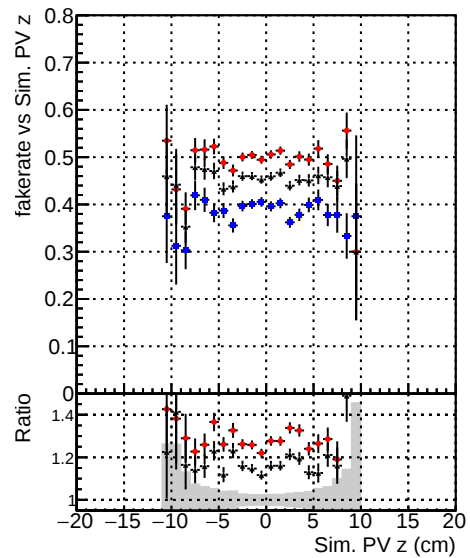


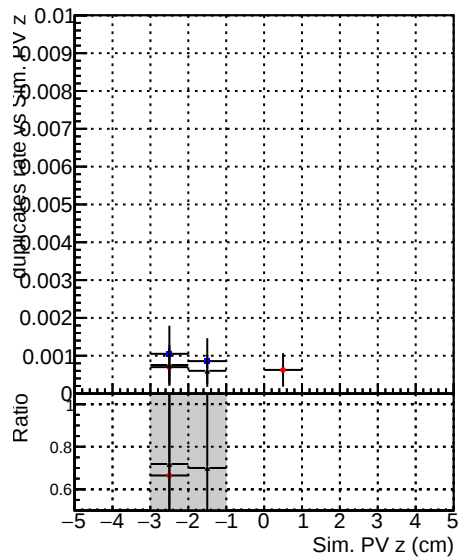
Figure 1 is a plot showing the ratio of duplicate rates as a function of track reference point z (cm). The y-axis is labeled "Ratio" and ranges from 0.7 to 0.01. The x-axis is labeled "track ref. point z (cm)" and ranges from -30 to 30. Data points are shown for three different track lengths: 10 cm (red), 20 cm (black), and 30 cm (blue). Each point has a vertical error bar. The ratio decreases as z increases, with the 10 cm track length showing the highest ratio and the 30 cm track length showing the lowest ratio.

Figure 1 consists of two vertically stacked panels sharing a common x-axis labeled "track ref. point z (cm)" ranging from -30 to 30. The top panel is titled "pileup rate vs z" and shows data points with error bars for three different track selection methods: blue squares, red diamonds, and black circles. The y-axis ranges from 0 to 1. The bottom panel is titled "Ratio" and shows the ratio of the pileup rate to the rate in the top panel. The y-axis ranges from 0 to 1. A shaded gray region is shown in the bottom panel, representing the expected ratio. The x-axis for both panels is track reference point z in cm, ranging from -30 to 30.

Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

