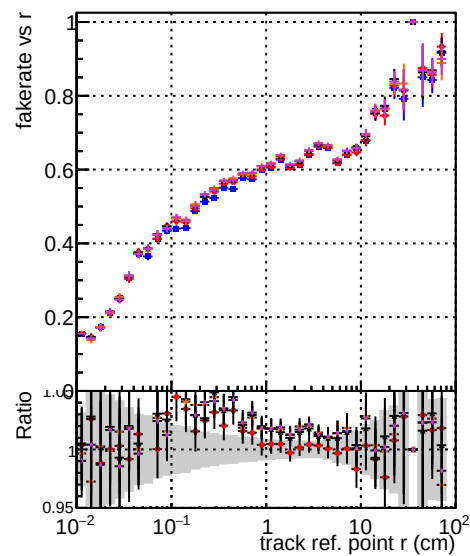
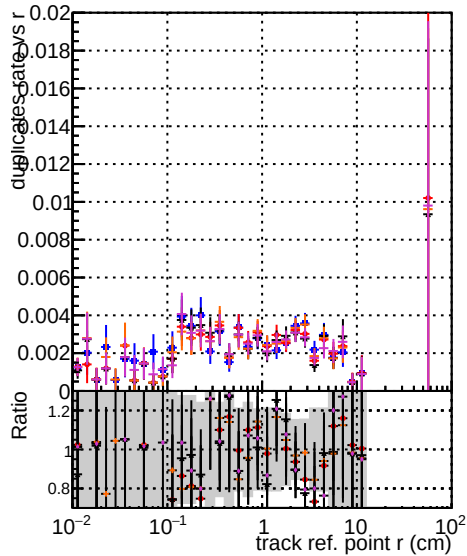


Fake rate vs vertpos



Duplicates Rate vs vertpos



Pileup rate vs vertpos

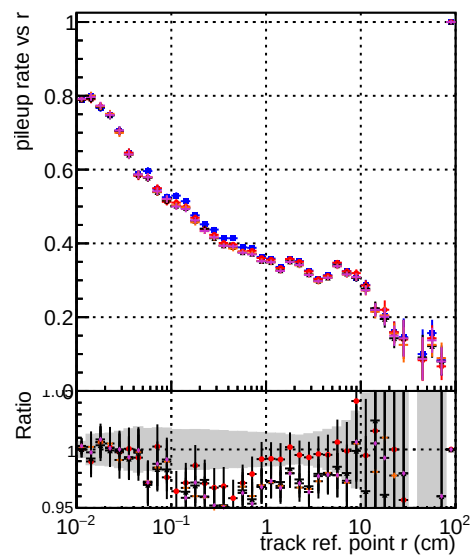
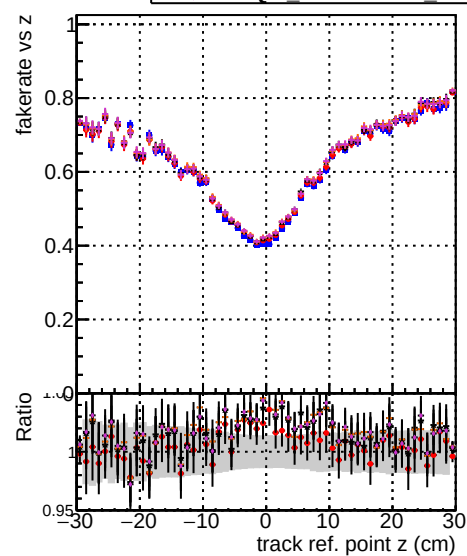
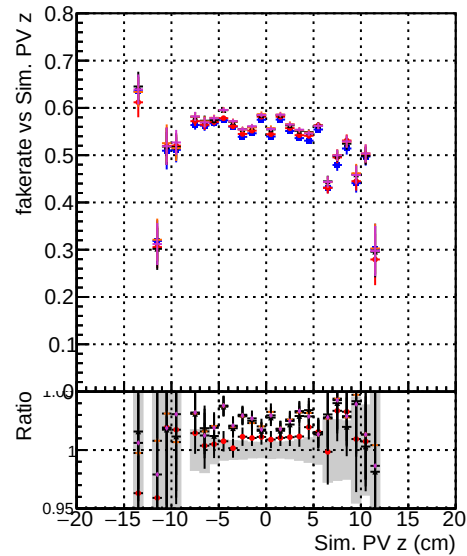
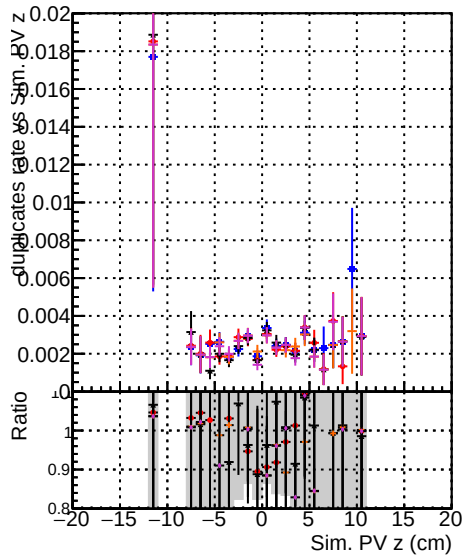
[illegible]

Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled "track ref. point z (cm)" ranging from -30 to 30. The top plot shows the "pileup rate vs z" on the y-axis, ranging from 0.1 to 0.8. It displays data points with error bars (red and blue) and a shaded uncertainty band. The rate increases from approximately 0.25 at z = -30 to a peak of about 0.55 at z = 0, then decreases back to about 0.25 at z = 30. The bottom plot shows the "Ratio" on the y-axis, ranging from 0.9 to 1.0. It also displays data points with error bars and a shaded uncertainty band. The ratio is mostly around 1.0, with a slight dip to about 0.98 at z = 0.

Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

