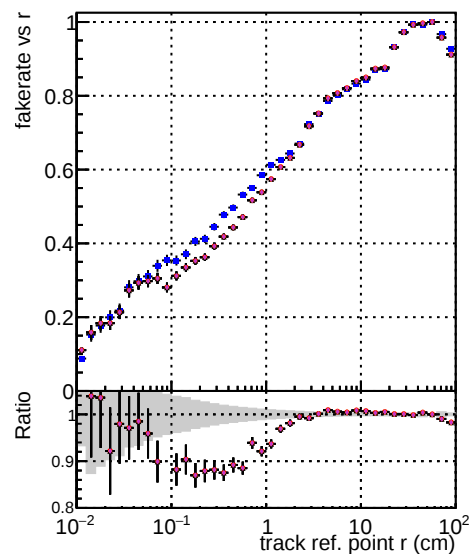
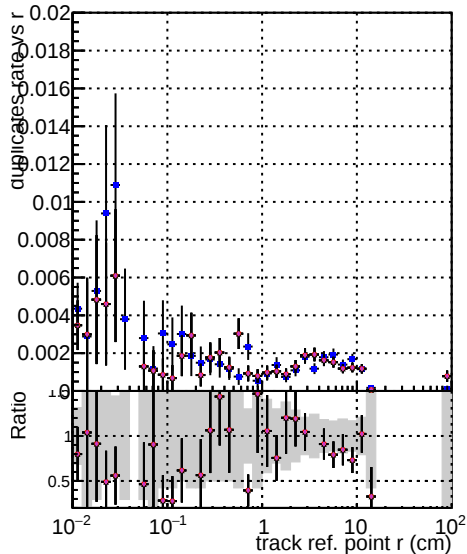


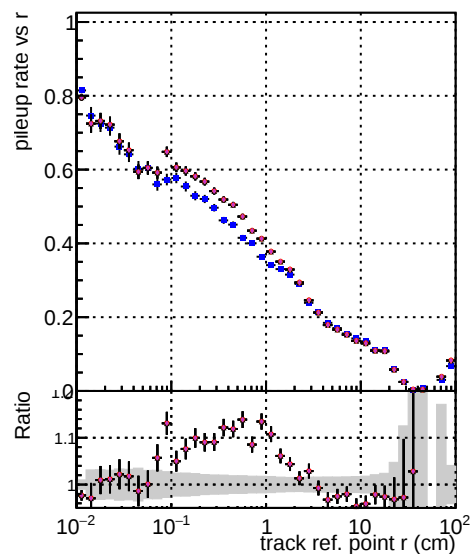
Fake rate vs vertpos



Duplicates Rate vs vertpos



Pileup rate vs vertpos



Fake rate vs v

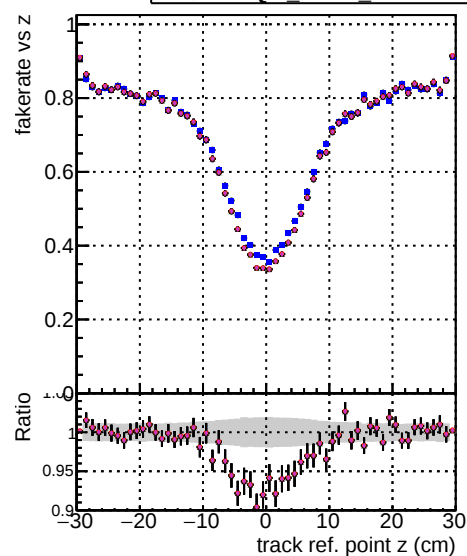
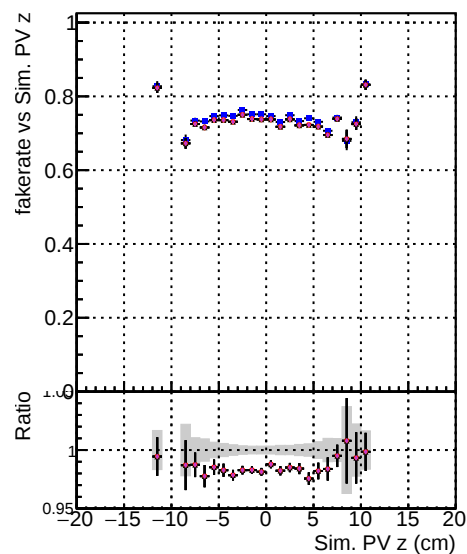


Figure 1 consists of two vertically stacked panels sharing a common x-axis labeled 'track ref. point z (cm)' ranging from -30 to 30.

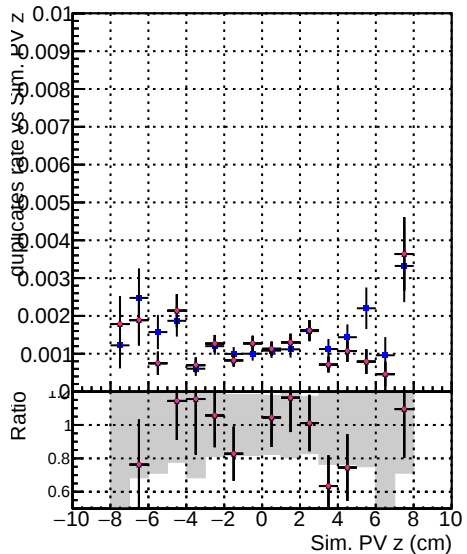
The top panel is titled 'pileup rate vs z'. The y-axis ranges from 0 to 0.8. It shows two data series: red circles and blue circles. Both series follow a similar trend, starting at approximately 0.15 at z = -30, rising to a peak of about 0.55 at z = 0, and then falling back to approximately 0.15 at z = 30. A dashed black line represents a fit to the data.

The bottom panel is titled 'Ratio'. The y-axis ranges from 0.95 to 1.0. It shows the ratio of the two data series from the top panel. The ratio is mostly close to 1.0, with some fluctuations. A shaded gray region indicates a confidence interval or uncertainty around the ratio.

Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

