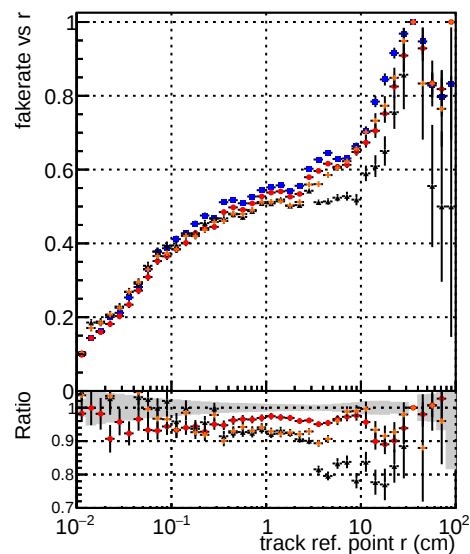
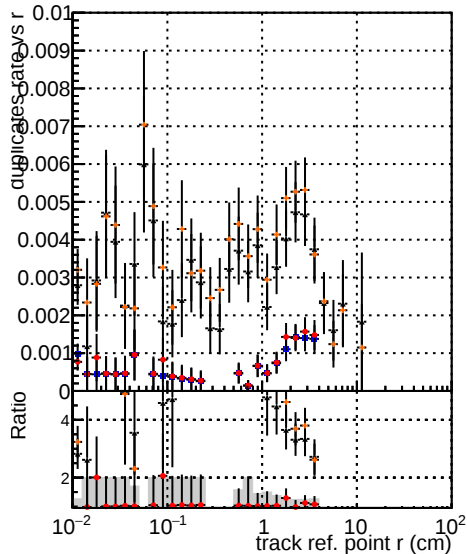


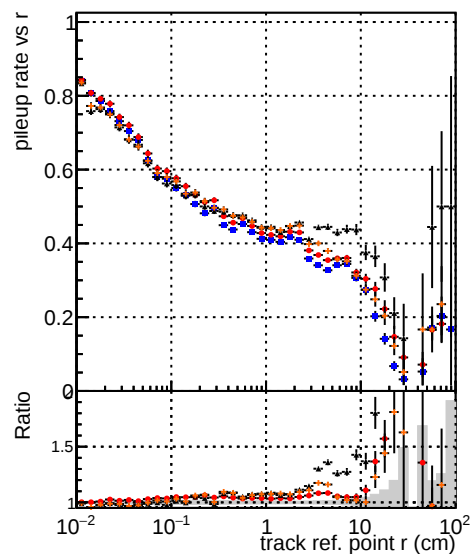
Fake rate vs vertpos



Duplicates Rate vs vertpos



Pileup rate vs vertpos



Fake rate vs $\sqrt{s}$

$\sqrt{s}$	DOM mkFit Tbase	DOM mkFit Tbase retrainOldFiles125_v2_prelimWP_5iter	baseline 6iter	RetrainV2 WP2 6iter
0	0.15	0.15	0.25	0.10
2	0.10	0.10	0.20	0.08
4	0.08	0.08	0.18	0.06
6	0.06	0.06	0.15	0.04
8	0.04	0.04	0.12	0.03
10	0.03	0.03	0.10	0.02

Fake rate vs v

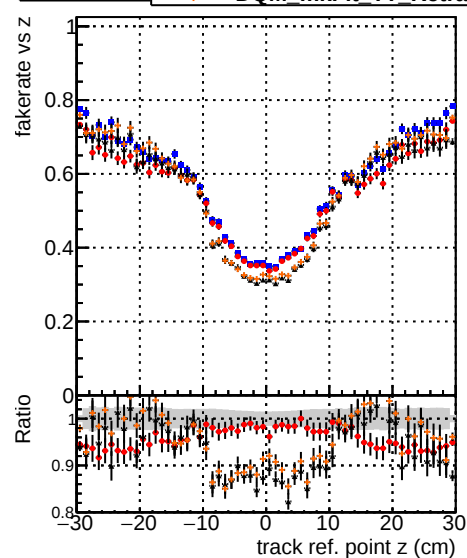
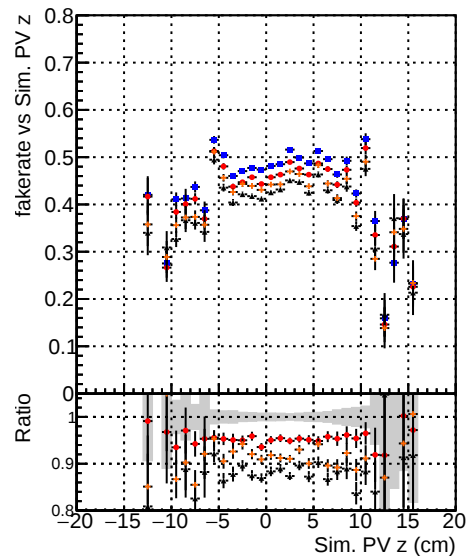


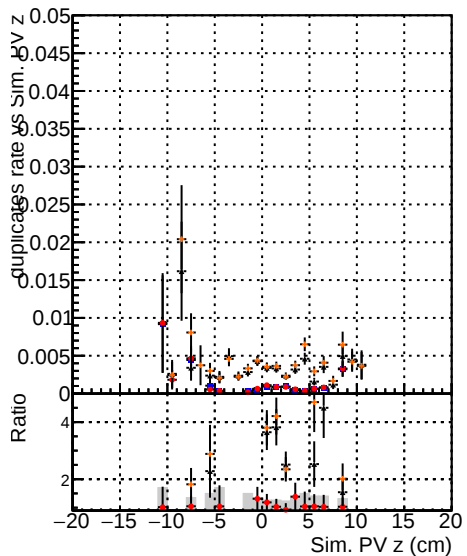
Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track ref. point z (cm)' ranging from -30 to 30. The top plot shows the 'duplicate rate' on the y-axis, ranging from 0 to 0.02. It displays data points with error bars for various track types: black circles (all tracks), orange squares (all tracks with $p_T > 10$ GeV), red triangles (all tracks with $p_T > 20$ GeV), and blue inverted triangles (all tracks with $p_T > 30$ GeV). The bottom plot shows the 'Ratio' on the y-axis, ranging from 0 to 4, representing the ratio of duplicate rates for the different track types relative to the 'all tracks' baseline.

Figure 1 consists of two panels sharing a common x-axis labeled 'track ref. point z (cm)' ranging from -30 to 30. The top panel plots 'pileup rate vs z' on the y-axis, ranging from 0.2 to 0.8. It shows three data series for pileup rates of 0.2 (blue), 0.4 (red), and 0.6 (orange), each with black error bars. A solid black line represents a fit to the data, showing a peak at z=0. The bottom panel plots 'Ratio' on the y-axis, ranging from 1.0 to 1.2. It shows the same three data series with black error bars. A horizontal dashed line is at Ratio = 1.1, and a shaded gray region is between Ratio = 1.0 and 1.1. A solid black line represents a fit to the ratio data, showing a dip at z=0.

Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

