

Figure 1 is a log-log plot showing the ratio of fake duplicates versus track reference point r (cm). The x-axis ranges from 10^{-2} to 10^2 cm, and the y-axis ranges from 0 to 0.01. The ratio is consistently near zero across the entire range of r .

Figure 1 consists of two vertically stacked plots. The top plot shows the ratio of fake duplicates to the total number of tracks for tracks with $z < 0$. The y-axis is labeled 'fake duplicates vs. z' and ranges from 0 to 0.01. The x-axis is labeled 'track ref. point z (cm)' and ranges from -30 to 30. The data points show a sharp peak at $z = 0$ with a ratio of approximately 0.009. The bottom plot shows the ratio of fake duplicates to the total number of tracks for tracks with $z > 0$. The y-axis is labeled 'Ratio' and ranges from 0 to 0.5. The x-axis is labeled 'track ref. point z (cm)' and ranges from -30 to 30. The data points show a sharp peak at $z = 0$ with a ratio of approximately 0.45.