

Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled "TP dx y(PV) (cm)" ranging from -25 to 25. The top plot's y-axis is "TrackingParticles" on a logarithmic scale from 10 to 10⁵. It shows a distribution of tracking particles with a central peak around 0 cm, reaching approximately 10⁴. The bottom plot's y-axis is "Ratio" on a logarithmic scale from 0.95 to 1.05. It shows a ratio that is mostly 1.0, with a central dip around 0 cm, reaching approximately 0.95. The ratio is plotted as a series of black vertical lines, with a red line indicating the mean ratio.

Figure 10 is a plot showing the ratio of reconstructed TPs to the true TPs as a function of the TP $dz(PV)$ (cm). The x-axis ranges from -30 to 30 cm, and the y-axis ranges from 0.95 to 1.05. The ratio is 1.0 for all values of $dz(PV)$ except for a narrow range around 0 cm, where it deviates significantly. The deviation is shown as a shaded region with a central line and error bars.

Figure 10 is a plot showing the ratio of reconstructed TPs to the true TPs as a function of the TP $dz(\text{PV})$ (cm). The x-axis ranges from -1 to 1 cm, and the y-axis ranges from 0.95 to 1.05. The ratio is 1.0 for most values of dz , but shows a sharp dip to approximately 0.99 at $dz = 0$. Data points are shown as orange diamonds with vertical error bars.