

Figure 1 is a log-log plot showing the ratio of reconstructed transverse momentum (TPs) to the true TPs as a function of the true p_T . The x-axis represents p_T (GeV) on a logarithmic scale from 10^{-1} to 10^3 . The y-axis represents the Ratio on a logarithmic scale from 0.95 to 10^2 . The plot displays data points with error bars, showing a peak in the ratio around $p_T \approx 10$ GeV. A shaded region indicates the 1-sigma uncertainty band, and a horizontal line at Ratio = 1 represents the ideal case.

The figure consists of two vertically stacked plots sharing a common x-axis labeled $TP \eta$ ranging from -3 to 3. The top plot's y-axis is labeled 'Tracking Particles' on a logarithmic scale from 10 to 1000. It shows data points with error bars forming a parabolic curve that peaks at approximately 400 particles when $TP \eta = 0$. The bottom plot's y-axis is labeled 'Ratio' on a linear scale from 0.95 to 1.05. It shows a series of vertical bars with a red line at 1.0, indicating the ratio of tracking particles to total particles fluctuates around 1.0 across the range of $TP \eta$.

Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled $TP \phi$ ranging from -3 to 3. The top plot shows 'Tracking particles' on the y-axis, which is on a logarithmic scale with a major tick at 10^2 . It displays black data points with vertical error bars, showing a fluctuating trend around 10^2 . The bottom plot shows 'Ratio' on the y-axis, ranging from 0.95 to 1.05. It features a series of black vertical bars, each representing a ratio value, which are consistently clustered around 1.05. A horizontal red line is drawn at the ratio of 1.0.