

Figure 1 consists of two vertically stacked plots sharing a common x-axis representing transverse momentum p_T in GeV, ranging from 10^{-1} to 10^3 on a logarithmic scale.

The top plot shows the "Tracking Particles" distribution. The y-axis is logarithmic, ranging from 10^1 to 10^3 . The data points (green dots) show a broad peak around $p_T \approx 10$ GeV, with values decreasing at both lower and higher p_T .

The bottom plot shows the "Ratio" of tracking particles to total particles. The y-axis is logarithmic, ranging from 0.95 to 1.05. The data points (green dots) are mostly clustered around a ratio of 1.0, with some fluctuations, particularly at higher p_T values where the ratio drops slightly below 1.0.

Figure 1 consists of two panels. The top panel is a log-log plot showing the Reconstructed p_T (GeV) on the y-axis versus p_T (GeV) on the x-axis. The x-axis ranges from 10^{-1} to 10^3 GeV, and the y-axis ranges from 1 to 100 GeV. Data points with error bars are shown for 1000 events, with colors (green, red, blue) corresponding to different p_T bins. The bottom panel is a linear plot showing the Ratio (Reconstructed p_T / p_T) on the y-axis versus p_T (GeV) on the x-axis. The y-axis ranges from 0.8 to 1.4. The plot shows the ratio for 1000 events (black dots) and a shaded region representing the 1-sigma uncertainty (grey band).