

Figure 1 is a log-log plot showing the ratio of tracking particles to total particles as a function of transverse momentum ( $p_T$ ) for Au+Au collisions at 200 GeV. 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  $10^3$ . The plot is divided into two panels. The top panel shows the ratio of tracking particles to total particles, which starts at approximately 0.1 at  $p_T = 0.1$  GeV, rises to a peak of about 1000 at  $p_T \approx 1$  GeV, and then decreases to about 10 at  $p_T = 100$  GeV. The bottom panel shows the ratio of tracking particles to total particles, which is constant at 1.0 across the entire  $p_T$  range. The data points are represented by red circles with error bars, and the solid line represents the fit.

Figure 1 is a log-log plot showing the ratio of reconstructed transverse momentum (TP) to the true transverse momentum ( $p_T$ ) as a function of  $p_T$ . The x-axis represents  $p_T$  in GeV, ranging from  $10^{-1}$  to  $10^3$ . The y-axis represents the Ratio, ranging from 0.95 to 10. The plot displays data points with error bars, showing that the ratio generally increases with  $p_T$ . A horizontal line at Ratio = 1.0 is shown for reference.