

Figure 1 is a log-log plot showing the ratio of reconstructed transverse momenta (TPs) to the true TPs as a function of the true  $p_T$ . The x-axis is  $p_T$  (GeV) ranging from  $10^{-1}$  to  $10^3$ . The y-axis is the Ratio, ranging from 0.95 to  $10^2$ . The plot displays a distribution of points with error bars, a solid line representing the ratio, and a shaded region representing the uncertainty. The ratio is approximately 1.0 for  $p_T < 10$  GeV and increases to about 10 for  $p_T > 10$  GeV.