

Jets

Figure 1: Multiplicity distribution of CMS data and Pythia 8.176 default simulation. The top panel shows the normalized multiplicity distribution $\frac{1}{N} \frac{dN}{dp_T}$ versus multiplicity. The bottom panel shows the ratio of the simulation to the CMS data, with green representing the ratio and yellow representing the uncertainty. The x-axis for both panels is multiplicity, ranging from 0 to 150. The y-axis for the top panel ranges from 0 to 160. The y-axis for the bottom panel ranges from 0.5 to 2.0. The top panel includes a legend for CMS (black squares) and Pythia 8.176 default (blue line with triangles). The bottom panel includes a horizontal line at 1.0 and a label 'Ratio to CMS'.

mcplots.cern.ch [arXiv:1306.3436] Rivet 3.1.10, 400k events

A vertical number line with tick marks at 0, 1, and 2.