

Jets

CMS, 13 TeV, AK8 jets, central dijet region, $65 < p_{T}^{\text{jets}} < 88$ GeV
 Rivet 4.1.0, $\geq 100k$ events
 mcplots.cern.ch [arXiv:1306.3436]
 (CMS_2021_I1920187)

The top panel shows the differential event rate $\frac{dN}{dp_T d\lambda}$ versus multiplicity. The y-axis is logarithmic, ranging from 10^{-7} to 10^0 . The x-axis is linear, ranging from 0 to 60. The data points are shown for CMS (black squares), Herwig 7.2.1 default (green dashed line with open squares), Pythia 8.243 default (blue solid line with triangles), and Sherpa 2.2.9 default (red dotted line with diamonds). The bottom panel shows the ratio of the event rate to the CMS data, Ratio to CMS , versus multiplicity. The y-axis is linear, ranging from 0.5 to 2.5. The x-axis is linear, ranging from 0 to 60. The ratio is shown for the same models as the top panel. Shaded regions indicate the uncertainty bands for the models.

mcplots.cern.ch [arXiv:1306.3436]

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

0/