

Z+Jet

Figure 1 displays the multiplicity distribution of jets in CMS data and Monte Carlo models. The top panel shows the distribution of the number of jets (multiplicity) for CMS data (black squares) and three Monte Carlo models: Herwig++ 2.7.1 default (orange dashed line with circles), Herwig 7.2.1 default (green dashed line with squares), and Pythia 8.308 default (blue solid line with triangles). The bottom panel shows the ratio of the Monte Carlo models to the CMS data, with yellow and green shaded regions indicating the uncertainty bands. The x-axis is multiplicity (0 to 60) and the y-axis is the ratio of the Monte Carlo models to the CMS data (0.5 to 2.0).

mcplots.cern.ch [arXiv:1306.3436]