

Jets

Figure 1: Multiplicity distribution of jets in the forward region. The top panel shows the normalized multiplicity distribution, $\frac{1}{N} \frac{dN}{dp_T} \frac{dp_T}{d\lambda}$, versus multiplicity for the forward dijet region ($614 < p_T^{j1,j2} < 800$ GeV). The bottom panel shows the ratio of the distribution to the CMS data, $\frac{(dN/dp_T)_{MC}}{(dN/dp_T)_{CMS}}$, versus multiplicity. The shaded regions in the bottom panel indicate the uncertainty of the CMS data.

Legend for the top panel:

- CMS
- +— Epos 1.99.crnc.1.6.0 lhc
- - □ Herwig 7.2.1 default
- - △ Pythia 6.428 370
- - ▲ Pythia 8.315 default
- - ◆ Sherpa 2.2.9 default

Legend for the bottom panel:

- CMS
- +— Epos 1.99.crnc.1.6.0 lhc
- - □ Herwig 7.2.1 default
- - △ Pythia 6.428 370
- - ▲ Pythia 8.315 default
- - ◆ Sherpa 2.2.9 default

(CMS_2021_I1920187)

Ratio to CMS

mcplots.cern.ch [arXiv:1306.3436]

Rivet 4.1.0, ≥ 100