

Jets

The figure displays the multiplicity distribution of CMS data and various Monte Carlo models. The top panel shows the distribution of multiplicity (λ_0^0) for CMS (black squares), Herwig 7.2.1 softTune (teal inverted triangles), Pythia 6.428 370 (red open triangles), and Pythia 8.308 default (blue triangles). The bottom panel shows the ratio of the Monte Carlo models to the CMS data, with yellow bars for Herwig and green bars for Pythia. The x-axis is multiplicity (0 to 60) and the y-axis is the ratio to CMS (0.5 to 2.0).

Multiplicity	CMS	Herwig 7.2.1 softTune	Pythia 6.428 370	Pythia 8.308 default
5	~1	~1	~1	~1
10	~1	~1	~1	~1
15	~1	~1	~1	~1
20	~1	~1	~1	~1
25	~1	~1	~1	~1
30	~1	~1	~1	~1
35	~1	~1	~1	~1
40	~1	~1	~1	~1
45	~1	~1	~1	~1
50	~1	~1	~1	~1
55	~1	~1	~1	~1
60	~1	~1	~1	~1

Rivet 3.1.10, $\geq 2.8\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

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