

Jets

The figure displays the groomed LHA $\lambda^1_{0.5}$ (CMS jet substructure) distribution. The top panel shows the distribution $\frac{dN}{d \ln \lambda^1_{0.5}}$ on a logarithmic scale for CMS data (black squares) and three Monte Carlo models: Herwig 7.2.1 softTune (teal triangles), Pythia 6.428 370 (red triangles), and Pythia 8.308 default (blue triangles). The bottom panel shows the ratio of the Monte Carlo models to the CMS data, with a green band indicating the ratio is within 10% and a yellow band indicating it is within 20%.

Rivet 3.1.10, $\geq 2.6\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

0.5

groomed LHA