

Jets

The figure displays the groomed LHA distribution and its ratio to CMS data. The top panel shows the differential event rate $\frac{dN}{d\ln \lambda_{0.5}^1}$ versus groomed LHA, comparing CMS data (black squares) with Herwig++ 2.7.1 default (orange dashed line with circles), Herwig 7.2.1 default (green dashed line with squares), and Herwig 7.2.1 softTune (blue solid line with triangles). The bottom panel shows the ratio of the model distributions to the CMS data, with yellow and green shaded regions indicating the uncertainty bands.

Rivet 3.1.10, $\geq 2.5\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

0.5

groomed LHA