

Jets

The figure displays the groomed thrust distribution and its ratio to CMS data. The top panel shows the differential event rate $\frac{dN}{d\ln \lambda_2^1}$ versus the groomed thrust λ_2^1 (in units of GeV). The bottom panel shows the ratio of the model to the CMS data, Ratio to CMS , versus the groomed thrust.

Top Panel: Groomed thrust λ_2^1 (CMS jet substructure)

Legend:

- CMS
- ▲ Pythia 8.212 default
- ▼ Pythia 8.212 tune-1
- Pythia 8.212 tune-2c
- Pythia 8.212 tune-2m

Bottom Panel: Ratio to CMS

The ratio to CMS is shown as a green shaded band, indicating the uncertainty or range of the ratio. The ratio is generally close to 1.0, with some deviations at low groomed thrust values.

mcplots.cern.ch [arXiv:1306.3436]

0.5