

Jets

The figure displays the groomed thrust distribution for CMS data and several Pythia 6.428 models. The top panel shows the differential event rate $\frac{dN}{d\ln(\lambda_2^1)}$ on a logarithmic scale versus groomed thrust. The bottom panel shows the ratio of the model distributions to the CMS data, with a green central band and yellow outer bands representing the ratio distribution.

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

Legend:

- CMS
- Pythia 6.428 345
- Pythia 6.428 346
- △ Pythia 6.428 370
- △ Pythia 6.428 ambt1
- Pythia 6.428 z1
- Pythia 6.428 z2

Bottom Panel: Ratio to CMS

The bottom panel shows the ratio of the model distributions to the CMS data, with a green central band and yellow outer bands representing the ratio distribution. The x-axis is groomed thrust, and the y-axis is the ratio to CMS.

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

mcplots.cern.ch [arXiv:1306.3436]

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