

Jets

The figure displays the groomed thrust distribution and its ratio to CMS data. The top panel shows the distribution $\frac{dN}{d\ln(\lambda_2^1)}$ versus groomed thrust, comparing CMS data (black squares) with several Pythia models: Pythia 6.428 370 (red triangles), Pythia 6.428 391 (grey squares), Pythia 6.428 default (orange squares), and Pythia 8.212 default (blue triangles). The bottom panel shows the ratio of the distributions to CMS data, with a horizontal line at 1.0 and shaded regions for uncertainty. The x-axis for both panels is groomed thrust, ranging from 0 to 1.0.

Rivet 3.1.10, $\geq 300\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

groomed thrust