

The figure consists of two panels. The top panel shows the groomed thrust distribution $\frac{1}{\lambda} \frac{dN}{dp_T} \frac{d\lambda}{d\lambda}$ on a logarithmic scale (from 10^{-3} to 10^4) versus groomed thrust (from 0 to 1). The bottom panel shows the ratio of the groomed thrust distribution to the CMS data on a linear scale (from 0.5 to 2) versus groomed thrust (from 0 to 1). The top panel includes data points for CMS (black squares) and several Pythia 8.315 models: default (blue triangles), tune-AU2 (red inverted triangles), tune-AU2lox (red diamonds), tune-AU2loxx (red squares), and tune-AU2m (brown stars). The bottom panel includes shaded regions representing the ratio of the groomed thrust distribution to the CMS data, with a horizontal line at 1.0. The top panel is labeled 'CMS, 13 TeV, AK4 jets, Z+jet region, $408 < p_T^{\text{jet}} < 1500$ GeV' and the bottom panel is labeled 'groomed thrust'.

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mcplots.cern.ch [arXiv:1306.3436]

2

0.5

groomed thrust