

The figure consists of two panels. The top panel shows the groomed thrust distribution $\frac{1}{N} \frac{dN}{d\lambda} \frac{dp_T}{d\lambda}$ on a logarithmic scale (from 10^{-3} to 10^3) versus the groomed thrust λ (from 0 to 1). The data points are from CMS (black squares) and the theoretical models are from Pythia 6.428 345 (red dashed line with open circles), Pythia 6.428 346 (yellow dotted line with open squares), Pythia 6.428 370 (red solid line with open triangles), Pythia 6.428 default (orange dash-dotted line with open squares), and Pythia 8.315 default (blue solid line with solid triangles). The bottom panel shows the ratio of the groomed thrust distribution to the CMS data, R_{ratio} , on a linear scale (from 0.5 to 2) versus the groomed thrust λ (from 0 to 1). The ratio is shown for the same models as the top panel. The ratio is generally close to 1, indicating good agreement with the CMS data. The Pythia 6.428 346 model shows a slight increase in the ratio at higher λ , while the Pythia 6.428 default model shows a slight decrease.

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