

The figure displays the thrust distribution of dijet events in the forward region ($50 < p_T^{\text{jets}} < 65$ GeV) at CMS, 13 TeV, using AK8 jets. The top panel shows the differential event rate $\frac{1}{dN/dp_T d\lambda}$ versus thrust. The bottom panel shows the ratio of the models to the CMS data, with shaded regions indicating uncertainty bands.

Top Panel: Differential Event Rate

Y-axis: $\frac{1}{dN/dp_T d\lambda}$ (ranging from 0 to 12).
X-axis: thrust (ranging from 0 to 1).
Legend:

- CMS
- Pythia 6.428 345
- Pythia 6.428 346
- △ Pythia 6.428 370
- Pythia 6.428 default
- ▲ Pythia 8.315 default

Bottom Panel: Ratio to CMS

Y-axis: Ratio to CMS (ranging from 0.5 to 2).
X-axis: thrust (ranging from 0 to 1).
Legend:

- Pythia 6.428 345
- Pythia 6.428 346
- △ Pythia 6.428 370
- Pythia 6.428 default
- ▲ Pythia 8.315 default

Shaded regions indicate uncertainty bands for the ratio to CMS.

mcplots.cern.ch [arXiv:1306.3436]

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1

0.5

thrust