

Jets

The figure displays the groomed LHA $\lambda^1_{0.5}$ (CMS jet substructure) distribution. The top panel shows the differential event rate $\frac{dN}{d\ln \lambda^1_{0.5}}$ versus groomed LHA $\lambda^1_{0.5}$ for CMS data (black squares) and three Pythia 6.428 models (red triangles, blue stars, green stars). The bottom panel shows the ratio of the model distributions to the CMS data, with a green band indicating the ratio and yellow bands indicating the uncertainty.

Legend:

- CMS
- △ Pythia 6.428 370
- ★ Pythia 6.428 378
- ★ Pythia 6.428 379

Ratio to CMS

groomed LHA $\lambda^1_{0.5}$

Rivet 3.1.10, $\geq 2.6\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

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0.5

groomed LHA