

# Jets

The figure displays the groomed width distribution for CMS data and three Pythia models. The top panel shows the distribution of groomed width  $\lambda_1^1$  (CMS jet substructure) for four different models: CMS (black squares), Pythia 6.428 370 (red triangles), Pythia 6.428 default (orange squares), and Pythia 8.308 default (blue triangles). The bottom panel shows the ratio of the simulated distributions to the CMS data, with a horizontal line at 1.0 and a yellow shaded region indicating the ratio range.

Rivet 3.1.10,  $\geq 2.8\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

10

groomed width