

Jets

The figure displays the groomed LHA distribution for CMS data and various Monte Carlo models. The top panel shows the distribution of groomed LHA values from 0 to 1, with a peak around 0.2. The bottom panel shows the ratio of the Monte Carlo models to the CMS data, which is mostly around 1.0. The legend indicates four models: CMS (black squares), Herwig++ 2.7.1 default (orange dashed line with circles), Herwig 7.2.1 default (green dashed line with squares), and Pythia 8.308 default (blue solid line with triangles). The x-axis is labeled 'groomed LHA' and the y-axis is labeled 'dN/dln lambda_0.5^1 (CMS jet substructure)'.

Rivet 3.1.10, ≥ 2.1 M events

mcplots.cern.ch [arXiv:1306.3436]

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