

Jets

The figure displays the LHA distribution of the first $\lambda_{0.5}$ from CMS jet substructure. The top panel shows the distribution for CMS data (black squares) and three Pythia models: Pythia 6.428 370 (red line with open triangles), Pythia 6.428 default (orange dashed line with open squares), and Pythia 8.170 default (blue line with solid triangles). The bottom panel shows the ratio of the Pythia models to the CMS data, with a green line and a yellow shaded band indicating the ratio is close to 1.0. The x-axis for both panels is LHA, ranging from 0 to 1. The top panel has a logarithmic y-axis for the distribution, and the bottom panel has a linear y-axis for the ratio.

mcplots.cern.ch [arXiv:1306.3436]

Rivet 3.1.10, $\geq 200k$ events

2

0.5

LHA