

Z+Jet

The figure displays the LHA distribution of the first jet substructure variable, $LHA \lambda_{0.5}^1$, for CMS data and Pythia 8.308 models. The top panel shows the distribution in units of $1/N \frac{dN}{d \ln \lambda_{0.5}^1}$, with the x-axis ranging from 0 to 1. The CMS data is shown as black squares, and the Pythia 8.308 default model is shown as a blue line with upward-pointing triangles. The Pythia 8.308 vincia-default model is shown as a cyan dashed line with downward-pointing triangles. The bottom panel shows the ratio of the models to the CMS data, with a green band indicating the ratio range. The y-axis for the ratio ranges from 0.5 to 2.0.

mcplots.cern.ch [arXiv:1306.3436]

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

2

1

0.

LHA