

Jets

Figure 1 displays the LHA $\lambda_{0.5}^1$ (CMS jet substructure) results. The top panel shows the differential event rate $\frac{dN}{d\ln\lambda_{0.5}^1}$ versus $\lambda_{0.5}^1$ for CMS data (black squares) and Pythia 8.170 models (blue triangles for default, orange squares for tune-4cx). The bottom panel shows the ratio of the Pythia models to the CMS data, with a green band indicating the ratio is within 10% of 1.0.

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

LHA