

Jets

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

2

0.5

LHA

The figure displays the LHA $\lambda^1_{0.5}$ (CMS jet substructure) as a function of the ratio of the number of jets to the number of particles (N/N_p).

The top panel shows the absolute values of $\lambda^1_{0.5}$ for two models:

- CMS** (black squares)
- Pythia 8.170 default** (blue triangles)

The bottom panel shows the **Ratio to CMS** of the $\lambda^1_{0.5}$ values, with a green band indicating the ratio is close to 1.0.

The x-axis for both panels is N/N_p , ranging from 0 to 1.0. The y-axis for the top panel is $\lambda^1_{0.5}$, ranging from 0 to 1000. The y-axis for the bottom panel is the Ratio to CMS, ranging from 0.5 to 2.0.

Source: mcplots.cern.ch [arXiv:1306.3436]