

Jets

Figure 1 displays the LHA $\lambda_{0.5}^1$ (charged only) (CMS jet substructure) distribution. The top panel shows the distribution of the LHA $\lambda_{0.5}^1$ (charged only) variable for CMS data (black squares), Herwig 7.2.1 default (green dashed line with open squares), and Pythia 8.308 default (blue solid line with filled triangles). The x-axis is LHA (charged-only) from 0 to 1, and the y-axis is $1/N \frac{dN}{dp_T d\lambda}$ from 0 to 900. The bottom panel shows the ratio of the distributions to the CMS distribution, with a horizontal line at 1.0. The y-axis is 'Ratio to CMS' from 0.5 to 2.0. The x-axis is the same as the top panel. The ratio is shown as a stacked histogram with green and yellow regions.

Rivet 3.1.10, $\geq 2.2\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

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