

Jets

Figure 1: LHA $\lambda_{0.5}^1$ (CMS jet substructure). The figure consists of two panels. The top panel shows the ratio of the number of events to the number of events in the CMS sample, $dN/d\lambda$, as a function of LHA. The bottom panel shows the ratio of the number of events to the number of events in the CMS sample, $dN/d\lambda$, as a function of LHA, with a green shaded region indicating the ratio to CMS.

The top panel compares CMS data (black squares) with Pythia 8.170 default (blue triangles). The bottom panel shows the ratio of the number of events to the number of events in the CMS sample, $dN/d\lambda$, as a function of LHA, with a green shaded region indicating the ratio to CMS.

■ CMS

▲ Pythia 8.170 default

CMS_2021_I1920187

Ratio to CMS

LHA