

## Jets

Figure 1: LHA  $\lambda_{0.5}^1$  (CMS jet substructure). The figure consists of two panels. The top panel shows the differential event rate  $\frac{dN}{d\ln\lambda_{0.5}^1 d\ln p_T d\ln b}$  as a function of LHA. It compares CMS data (black squares) with the Pythia 8.170 default model (blue triangles). The bottom panel shows the ratio of the Pythia 8.170 default model to the CMS data, with a green shaded band indicating the uncertainty. The x-axis for both panels is LHA, ranging from 0 to 1. The y-axis for the top panel is  $\frac{dN}{d\ln\lambda_{0.5}^1 d\ln p_T d\ln b}$ , ranging from 0 to 1000. The y-axis for the bottom panel is the ratio to CMS, ranging from 0.5 to 2.0.

■ CMS

▲ Pythia 8.170 default

CMS\_2021\_11920187

Ratio to CMS

# LHA