

Z+Jet

Figure 1: LHA $\lambda_{0.5}^1$ (CMS jet substructure). The figure consists of two panels. The top panel is a line plot showing the ratio of the number of events to the total number of events, $dN/d\ln\lambda$, as a function of LHA. The x-axis ranges from 0 to 1, and the y-axis ranges from 0 to 1000. The plot compares CMS data (black squares) and Pythia 8.180 default (blue triangles). The Pythia data shows a peak around LHA = 0.25. The bottom panel is a histogram showing the ratio of the number of events to the total number of events, $dN/d\ln\lambda$, as a function of LHA. The x-axis ranges from 0 to 1, and the y-axis ranges from 0.5 to 2. The histogram is colored green and yellow, with a horizontal line at 1.0.

Rivet 3.1.10, 400k events

mcplots.cern.ch [arXiv:1306.3436]

2

0.5

LHA