

# Jets

Figure 1 consists of two panels. The top panel is a plot of the distribution of  $\lambda_{0.5}^1$  (CMS jet substructure) for CMS data (black squares) and Herwig 7.2.1 default (green dashed line with open squares). The x-axis is labeled 'LHA' and ranges from 0 to 1. The y-axis is labeled 'mathrm d N / mathrm d p\_T mathrm d lambda' and ranges from 0 to 1000. The bottom panel is a plot of the ratio of the two distributions, 'Ratio to CMS', ranging from 0.5 to 1.5. The x-axis is labeled 'LHA' and ranges from 0 to 1. The ratio is shown as a green line with a yellow shaded band representing the uncertainty. The ratio is approximately 1.0 across the entire range of LHA.

Rivet 3.1.10, 2.1M events

mcplots.cern.ch [arXiv:1306.3436]

2

0.5

LHA