

Jets

The figure consists of two panels. The top panel is a plot of the normalized differential decay rate $\frac{1}{N} \frac{dN}{d \ln(\text{thrust})}$ versus thrust . The x-axis ranges from 0 to 1, and the y-axis ranges from 0 to 10000. Data points from CMS are shown as black squares with error bars. Two Monte Carlo models are compared: Herwig 7.2.1 default (green dashed line with open squares) and Pythia 8.201 default (blue solid line with filled triangles). The bottom panel shows the ratio of the Monte Carlo models to the CMS data, Ratio to CMS , versus thrust . The x-axis is the same as the top panel, and the y-axis ranges from 0.5 to 2.0. The ratio is shown as a green band with a yellow center, indicating the uncertainty of the Monte Carlo models.

CMS_2021_I1920187

mcplots.cern.ch [arXiv:1306.3436]