

Jets

Figure 1 consists of two panels. The top panel shows the differential decay rate $\frac{dN}{d\ln(\text{thrust})}$ as a function of thrust. The x-axis is labeled 'thrust' and ranges from 0 to 1. The y-axis is labeled ' $\frac{dN}{d\ln(\text{thrust})}$ ' and ranges from 0 to 8000. The plot includes experimental data points from CMS (black squares with error bars) and three Monte Carlo models: Herwig++ 2.7.1 default (orange dashed line with open circles), Herwig++ 2.7.1 UE-EE-5 (red solid line), and Herwig 7.2.1 default (green dashed line with open squares). The bottom panel shows the ratio of the Monte Carlo models to the CMS data, labeled 'Ratio to CMS', as a function of thrust. The x-axis is the same as the top panel. The y-axis ranges from 0.5 to 2.0. The ratio is shown as a yellow shaded band, indicating the uncertainty of the Monte Carlo models relative to the CMS data.

CMS_2021_I1920187

mcplots.cern.ch [arXiv:1306.3436]

Rivet 3.1.10, $\geq 2.7\text{M}$ events

2

0.5

thrust