

Z+Jet

The figure consists of two panels sharing a common x-axis labeled 'thrust' ranging from 0 to 1.

Top Panel: The y-axis is labeled $\frac{d\sigma}{d\ln(\text{thrust})}$ in fb. It shows the thrust distribution. The legend indicates three models:

- Herwig++ 2.7.1 default (orange dashed line with open circles)
- Herwig 7.2.1 default (green dashed line with open squares)
- Herwig 7.2.1 softTune (blue solid line with filled triangles)

 The data points (black squares) show a sharp peak at low thrust values, followed by a rapid decay. The Herwig models generally follow the data points well, with the softTune model providing a slightly better fit at low thrust.

Bottom Panel: The y-axis is labeled 'Ratio to CMS'. It shows the ratio of the Herwig models to the CMS data. The green band represents the ratio for the default models, and the yellow band represents the ratio for the softTune model. The ratio is generally close to 1, indicating good agreement between the models and the data.

CMS_2021_I1920187

mcplots.cern.ch [arXiv:1306.3436]