

Jets

- CMS
- Herwig 7.2.1 default

CMS_2021_I1920187

Rivet 3.1.10, 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

The figure displays two panels comparing CMS data and Herwig 7.2.1 default model for the distribution of p_{TD2} (charged-only).

Top Panel: Shows the distribution of p_{TD2} (charged-only) in units of GeV. The y-axis represents the number of events (0 to 10000). The x-axis represents p_{TD2} (charged-only) in GeV (0 to 1.0). The legend indicates:

- $\blacksquare$ CMS
- $\cdots \square \cdots$ Herwig 7.2.1 default

 The plot is titled $(p_{TD2}^D)^2 \lambda_0^2$ (charged only) (CMS jet substructure).

Bottom Panel: Shows the ratio of the Herwig 7.2.1 default model to the CMS data. The y-axis represents the ratio to CMS (0.5 to 2.0). The x-axis represents p_{TD2} (charged-only) in GeV (0 to 1.0). The legend indicates:

- Yellow bars: Ratio to CMS
- Green line: Ratio to CMS

 The plot is titled Ratio to CMS.