

Jets

Rivet 3.1.10, $\geq 2.6\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

pTD2

 $\mathbf{d}^N$

Ratio to CMS

The figure displays the ratio of simulated event yields to the CMS data for the variable p_{TD2} . The top panel shows the ratio of event yields for four different models: CMS (black squares), Herwig++ 2.7.1 default (orange dashed line with circles), Herwig 7.2.1 default (green dashed line with squares), and Pythia 8.308 default (blue solid line with triangles). The bottom panel shows the ratio to CMS for the same models, with a horizontal line at 1.0. The x-axis for both panels is p_{TD2} , ranging from 0 to 1.0. The y-axis for the top panel is the ratio of event yields, ranging from 0 to 1000. The y-axis for the bottom panel is the ratio to CMS, ranging from 0.5 to 2.0. The top panel is labeled $(p_T^D)^2 \lambda_0^2$ (CMS jet substructure) and the bottom panel is labeled Ratio to CMS.