

Jets

Rivet 3.1.10, $\geq 2.5\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

0.5

The figure displays the distribution of p_{TD2} (charged-only) for CMS data and three Pythia 6.428 models (370, 378, and 379). The top panel shows the distribution of p_{TD2} (charged-only) for CMS data (black squares) and the three Pythia models (red triangles, blue stars, and green stars). The bottom panel shows the ratio of the Pythia models to the CMS data, with a green band indicating the ratio is within 10% of 1.0.

Top Panel: p_{TD2} (charged-only) Distribution

- Y-axis:** $\frac{1}{N} \frac{dN}{dp_{TD2}}$ (Normalized Distribution)
- X-axis:** p_{TD2} (charged-only) (GeV)
- Legend:**
 - CMS (Black squares)
 - Pythia 6.428 370 (Red triangles)
 - Pythia 6.428 378 (Blue stars)
 - Pythia 6.428 379 (Green stars)

Bottom Panel: Ratio to CMS

- Y-axis:** Ratio to CMS
- X-axis:** p_{TD2} (charged-only) (GeV)
- Legend:**
 - Ratio to CMS (Green band)