

Jets

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) with a peak around 0.15. The bottom panel shows the ratio of the Pythia models to the CMS data, with a green band indicating the ratio is close to 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)
- Legend:**
 - CMS
 - △— Pythia 6.428 370
 - - * - - Pythia 6.428 378
 - - * - - Pythia 6.428 379

Bottom Panel: Ratio to CMS

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

Rivet 3.1.10, $\geq 2.9\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

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