

Jets

Rivet 3.1.10, $\geq 2.4\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

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Top Panel: Distribution of p_{TD2} (charged-only) for CMS data and various Pythia models. The x-axis is p_{TD2} (charged-only) ranging from 0 to 1. The y-axis is $1/N \frac{dN}{dp_{TD2}}$ (charged-only) ranging from 0 to 1000. The legend indicates the following models:

- CMS (Black squares)
- Pythia 6.428 391 (Red dashed line with open squares)
- Pythia 6.428 393 (Blue dashed line with open circles)
- Pythia 6.428 394 (Green dashed line with open triangles)
- Pythia 6.428 395 (Orange dashed line with open diamonds)
- Pythia 6.428 396 (Purple dashed line with open stars)

Bottom Panel: Ratio of the Pythia models to the CMS data. The x-axis is p_{TD2} (charged-only) ranging from 0 to 1. The y-axis is Ratio to CMS ranging from 0.5 to 2.0. The plot shows a green band around the ratio of 1.0, indicating the ratio is within 10% of the CMS data.