

Jets

Figure 1 consists of two panels. The top panel shows the distribution of groomed p_{TD2} for CMS (black squares) and four Pythia models: Pythia 6.428 370 (red triangles), Pythia 6.428 391 (black squares), Pythia 6.428 default (orange squares), and Pythia 8.170 default (blue triangles). The x-axis is groomed p_{TD2} (0 to 1) and the y-axis is $dN/d\ln(p_{TD2})$ (0 to 3000). The bottom panel shows the ratio of these distributions to the CMS distribution, with a green band indicating the 1-sigma uncertainty and a yellow band indicating the 2-sigma uncertainty. The x-axis is groomed p_{TD2} (0 to 1) and the y-axis is Ratio to CMS (0.5 to 2.0). The legend in the top panel identifies the models: Pythia 6.428 370, Pythia 6.428 391, Pythia 6.428 default, and Pythia 8.170 default. The text 'CMS 2021_11920187' is visible in the top panel.

mcplots.cern.ch [arXiv:1306.3436]

Rivet 3.1.10, $\geq 400\text{k}$ events