

Jets

The figure displays the distribution of groomed p_{TD2} for CMS data and three Herwig models. The top panel shows the distribution $\frac{1}{N} \frac{dN}{dp_{TD2}}$ versus groomed p_{TD2} . The CMS data (black squares) is compared with Herwig++ 2.7.1 default (orange dashed line with circles), Herwig 7.2.1 default (green dashed line with squares), and Herwig 7.2.1 softTune (blue solid line with triangles). The bottom panel shows the ratio of the model distributions to the CMS data, with a green shaded region for the ratio and a yellow shaded region for the uncertainty. The x-axis is groomed p_{TD2} , ranging from 0 to 1. The y-axis for the top panel is $\frac{1}{N} \frac{dN}{dp_{TD2}}$, ranging from 0 to 10000. The y-axis for the bottom panel is Ratio to CMS, ranging from 0.5 to 2.0.

mcplots.cern.ch [arXiv:1306.3436]

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