

Z+Jet

Figure 1 consists of two panels. The top panel is a plot of the distribution of groomed p_{TD2} for CMS data (black squares) and two Herwig models: Herwig++ 2.5.0 default (orange dashed line with circles) and Herwig 7.2.1 default (green dashed line with squares). The x-axis is labeled 'groomed p_{TD2} ' and ranges from 0 to 1. The y-axis is labeled '1 / $\frac{dN}{dp_{TD2}}$ ' and ranges from 0 to 1000. The CMS data shows a sharp peak around 0.15. The Herwig models show a broader peak around 0.15. The bottom panel is a plot of the ratio of the Herwig models to the CMS data, labeled 'Ratio to CMS'. The x-axis is the same as the top panel. The y-axis ranges from 0.5 to 2.0. A green band indicates the ratio is within 10% of 1.0. The ratio is mostly within the green band, indicating good agreement between the models and the CMS data.

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

mcplots.cern.ch [arXiv:1306.3436]

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