

Z+Jet

Figure 1 consists of two panels. The top panel shows the distribution of the dimensionless variable $(p_T^D)^2 \lambda_0^2$ (CMS jet substructure) for CMS data (black squares) and two Monte Carlo models: Herwig 7.2.1 softTune (blue triangles) and Pythia 6.428 370 (red triangles). The x-axis is $pTD2$, ranging from 0 to 1. The y-axis is $\frac{dN}{d \ln(p_T^D)^2 \lambda_0^2}$, ranging from 0 to 1000. The bottom panel shows the ratio of the Monte Carlo models to the CMS data, with a green shaded band indicating the ratio range. The x-axis is $pTD2$, ranging from 0 to 1. The y-axis is the ratio to CMS, ranging from 0.5 to 2.0.

mcplots.cern.ch [arXiv:1306.3436]

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pTD2