

Z+Jet

The figure displays the thrust distribution λ_2^1 (CMS jet substructure) for $\sqrt{s} = 13.6$ TeV pp collisions. The top panel shows the differential event rate $\frac{dN}{d\ln \lambda_2^1}$ versus thrust, comparing CMS data (black squares) with three Monte Carlo models: Herwig 7.2.1 softTune (teal triangles), Pythia 6.428 370 (red triangles), and Pythia 8.308 default (blue triangles). The bottom panel shows the ratio of the Monte Carlo models to the CMS data, with a green band for the Pythia 8.308 default model and a yellow band for the other models. The x-axis for both panels is thrust, ranging from 0 to 1. The y-axis for the top panel is logarithmic, ranging from 1000 to 10000. The y-axis for the bottom panel is linear, ranging from 0.5 to 2.0.

mcplots.cern.ch [arXiv:1306.3436]

2

1

[illegible][illegible]

0.



t