

Z+Jet

Figure 1 consists of two panels. The top panel is a plot of the differential distribution $\frac{dN}{d\ln \lambda_1^1}$ (CMS jet substructure) versus width. The y-axis ranges from 0 to 1000. The x-axis ranges from 0 to 1. The plot shows four data series: CMS (black squares), Pythia 6.428 370 (red triangles), Pythia 6.428 default (orange squares), and Pythia 8.170 default (blue triangles). The Pythia models show a peak around width 0.15, while the CMS data is relatively flat. The bottom panel shows the ratio of the Pythia models to the CMS data, with a green band indicating the ratio range and a yellow band indicating the ratio range for the Pythia 8.170 default model. The y-axis ranges from 0.5 to 2. The x-axis ranges from 0 to 1.

mcplots.cern.ch [arXiv:1306.3436]