

Jets

Figure 1 consists of two panels. The top panel shows the ratio of the width of the transverse momentum distribution to the width of the CMS distribution, $\frac{dN/dp_T dp_T}{(dN/dp_T dp_T)_{\text{CMS}}}$, as a function of width. The y-axis is labeled $\frac{dN/dp_T dp_T}{(dN/dp_T dp_T)_{\text{CMS}}}$ and ranges from 0 to 1. The x-axis is labeled 'width' and ranges from 0 to 1. Data points for CMS are shown as black squares, and data points for Pythia 8.170 default are shown as blue triangles. A solid blue line represents the ratio. The bottom panel shows the ratio of the width of the transverse momentum distribution to the width of the CMS distribution, $\frac{dN/dp_T dp_T}{(dN/dp_T dp_T)_{\text{CMS}}}$, as a function of width. The y-axis is labeled 'Ratio to CMS' and ranges from 0.5 to 2. The x-axis is labeled 'width' and ranges from 0 to 1. A green shaded band represents the ratio, with a black line at 1.0.

mcplots.cern.ch [arXiv:1306.3436]

Rivet 3.1.10, 400k events

2

0.5

width