

Z+Jet

Figure 1 consists of two panels. The top panel is a line plot showing the ratio of the width of the transverse momentum distribution to the width of the CMS distribution, $\frac{dN/dp_T}{(dN/dp_T)_{\text{CMS}}}$, as a function of width. The x-axis is labeled 'width' and ranges from 0 to 1. The y-axis is labeled $\frac{dN/dp_T}{(dN/dp_T)_{\text{CMS}}}$ and ranges from 0 to 1. A blue line with triangle markers represents the 'Pythia 8.308 default' model. The data points show a sharp decrease in the ratio as width increases, starting from approximately 0.8 at width 0.1 and reaching 0 at width 1. A horizontal line at y=1 is labeled 'CMS'. The bottom panel is a histogram showing the ratio of the width of the transverse momentum distribution to the width of the CMS distribution, $\frac{dN/dp_T}{(dN/dp_T)_{\text{CMS}}}$, as a function of width. The x-axis is labeled 'width' and ranges from 0 to 1. The y-axis is labeled 'Ratio to CMS' and ranges from 0.5 to 2. The histogram is color-coded: green for ratios between 0.5 and 1, and yellow for ratios between 1 and 2. A horizontal line at y=1 is labeled 'Ratio to CMS'.

mcplots.cern.ch [arXiv:1306.3436]