

Z+Jet

Figure 1 consists of two panels. The top panel is a line plot showing the ratio of the number of particles produced in the final state to the number of particles produced in the initial state, dN/dp_T , for the Pythia 6.428 370 and Pythia 6.428 default models. 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 2.0. The Pythia 6.428 370 model is represented by a red solid line with open triangles, and the Pythia 6.428 default model is represented by an orange dashed line with open squares. Both models show a sharp drop from a ratio of approximately 1.5 at $p_T = 0$ to a ratio of approximately 0.5 at $p_T = 0.5$. The bottom panel is a histogram showing the ratio of dN/dp_T for the Pythia 6.428 370 model to the CMS data (black squares). The ratio is approximately 1.0 for $p_T < 0.5$ and approximately 0.5 for $p_T > 0.5$. 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 2.0.

Rivet 3.1.10, $\geq 2.6\text{M}$ events