

Z+Jet

Figure 1 consists of two panels. The top panel shows the differential cross-section $\frac{dN}{dp_T}$ as a function of LHA . The x-axis ranges from 0 to 1, and the y-axis ranges from 0 to 3000. The data points are shown as black squares with error bars. Three theoretical models are plotted: Pythia 8.308 default (blue line with upward triangles), Pythia 8.308 default-noFsr (purple line with upward triangles), and Pythia 8.308 default-noRap (teal line with upward triangles). The bottom panel shows the ratio of the LHA model to the Pythia 8.308 models, $\frac{dN_{LHA}}{dN_{Pythia}}$, as a function of LHA . The x-axis ranges from 0 to 1, and the y-axis ranges from 0.5 to 2.0. The ratio is shown as a green band with a black line at 1.0. The band is wider at lower LHA values and narrower at higher LHA values.

mcplots.cern.ch [arXiv:1306.3436]

Rivet 3.1.10, $\geq 2.1\text{M}$ events

2

0.

LHA