

Z+Jet

Figure 1 consists of two panels. The top panel shows the ratio of the differential cross-section to the CMS data as a function of the longitudinal-hadronic angle (LHA). The x-axis ranges from 0 to 1. The y-axis is labeled $\frac{1}{\text{mathrm d}N / \text{mathrm d} p_{\text{T}} \text{mathrm d} p_{\text{T}}}$ and ranges from 0 to 1000. Data points from CMS are shown as black squares, and the Herwig 7.2.1 default prediction is shown as a green dashed line with open squares. The bottom panel shows the ratio of the differential cross-section to the CMS data as a function of the longitudinal-hadronic angle (LHA). The x-axis ranges from 0 to 1. The y-axis is labeled "Ratio to CMS" and ranges from 0.5 to 2. The ratio is shown as a green band with a black line representing the central value. The ratio is generally close to 1, indicating good agreement between the theoretical prediction and the CMS data.

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

LHA