

Z+Jet

The figure consists of two panels. The top panel shows the distribution of LHA values for CMS data (black squares), Herwig 7.2.1 default (green dashed line with open squares), and Pythia 8.308 default (blue solid line with filled triangles). The x-axis is labeled LHA and ranges from 0 to 1. The y-axis is labeled $\frac{1}{N} \frac{dN}{dLHA}$ and ranges from 0 to 1000. The bottom panel shows the ratio of the distributions to the CMS distribution, with a green shaded band indicating the ratio range and a yellow shaded band indicating the ratio range for the Pythia 8.308 default model. The y-axis is labeled 'Ratio to CMS' and ranges from 0.5 to 2.0.