

Z+Jet

Figure 1 consists of two panels. The top panel shows the distribution of groomed LHA for CMS data (black squares), Herwig 7.2.1 default (green dashed line with open squares), and Pythia 8.170 default (blue solid line with solid triangles). The bottom panel shows the ratio of the distributions to the CMS distribution, with yellow and green shaded regions representing different uncertainty bands. The x-axis for both panels is 'groomed LHA' ranging from 0 to 1. The top panel y-axis is 'dN/dln LHA' ranging from 0 to 1000. The bottom panel y-axis is 'Ratio to CMS' ranging from 0.5 to 2.5.