

Figure 1: Comparison of groomed multiplicity distributions. The top panel shows the differential distribution $\frac{1}{dN/dp_T d\lambda}$ for CMS data (black squares), Herwig 7.2.1 default (green dashed line with open squares), and Sherpa 2.2.9 default (red dotted line with red diamonds). The bottom panel shows the ratio of the distributions to the CMS data, with a horizontal line at 1.0. The x-axis for both panels is groomed multiplicity, ranging from 0 to 100. The y-axis for the top panel is logarithmic, ranging from 10^{-7} to 1. The y-axis for the bottom panel is linear, ranging from 0.5 to 2.0. The bottom panel also includes a histogram showing the distribution of the ratio, with a yellow shaded region for the ratio between 0.5 and 1.5, and a green shaded region for the ratio between 1.5 and 2.0.