

Figure 1: Multiplicity distribution of jets in the forward region. The top panel shows the differential event rate $\frac{1}{N} \frac{dN}{dp_T} \frac{d\lambda}{d\lambda}$ versus multiplicity. The bottom panel shows the ratio of the event rate to the CMS data versus multiplicity. The CMS data is shown as black squares. The Pythia 8.315 models are shown as lines with markers: default (blue solid line with triangles), default-CD (red dashed line with triangles), default-DL (magenta dashed line with triangles), and default-MBR (blue dotted line with triangles). The background in the bottom panel is colored yellow for ratios between 0.5 and 2, and green for ratios above 2.