

## Jets

Figure 1 displays the multiplicity distribution of jets in CMS data and Monte Carlo models. The top panel shows the multiplicity distribution (1/N dN/dln  $\lambda_0^0$ ) for CMS data (black squares) and three Monte Carlo models: Herwig 7.2.1 default (green dashed line with squares), Pythia 8.308 default (blue solid line with triangles), and Sherpa 1.4.3 default (red dotted line with diamonds). The bottom panel shows the ratio of the Monte Carlo models to the CMS data, with yellow and green shaded regions representing the uncertainty bands. The x-axis is multiplicity (0 to 60) and the y-axis is 1/N dN/dln  $\lambda_0^0$  (0 to 10000).

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