

Figure 1 consists of two panels. The top panel shows the differential cross-section $\frac{1}{\lambda} \frac{dN}{dp_T d\lambda}$ on a logarithmic scale versus multiplicity. The data points are from CMS (black squares) and the theoretical models are Epos 1.99.crmc.1.6.0 lhc (red line with crosses), Herwig 7.2.1 default (green dashed line with squares), Pythia 6.428 370 (red line with triangles), and Sherpa 2.2.9 default (red dotted line with diamonds). The bottom panel shows the ratio of the models to the CMS data on a linear scale versus multiplicity. The shaded regions represent the uncertainty of the CMS data. The text "(CMS_2021_I1920187)" is present in the bottom panel.

(CMS_2021_I1920187)

Ratio to CMS

multiplicity

mcplots.cern.ch [arXiv:2401.10621] Rivet 4.1.0, $\geq 100k$ events