

CMS, 13 TeV, AK4 jets, central dijet region, $120 < p_T^{\text{dijet}} < 150$ GeV
 Rivet 4.1.0, ≥ 100 k events
 mcplots.cern.ch [arXiv:1306.3436]
 (CMS_2021_I1920187)

The top panel shows the differential event rate $\frac{1}{\lambda} \frac{dN}{dp_T d\lambda}$ on a logarithmic scale (from 10^{-6} to 10^0) versus the groomed multiplicity (from 0 to 80). The bottom panel shows the ratio of the model rates to the CMS rate on a linear scale (from 0.5 to 2.5) versus the groomed multiplicity. The shaded regions in the bottom panel represent the 68% (yellow) and 95% (green) confidence levels.

Legend for the top panel:
 ■ CMS
 ○--- Herwig++ 2.7.1 default
 □--- Herwig 7.2.1 default
 ▲--- Pythia 8.315 default
 ▼--- Pythia 8.315 vincia-default