

Figure 1 displays the groomed multiplicity distribution, comparing experimental data (CMS) with various Monte Carlo models. The top panel shows the differential event rate $\frac{dN}{dp_T d\lambda}$ on a logarithmic scale versus groomed multiplicity. The bottom panel shows the ratio of the model distributions to the CMS data, with shaded regions indicating the 1σ and 2σ uncertainty bands.

The legend identifies the models:

- CMS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲ Pythia 8.315 default
- ▼ Pythia 8.315 vincia-default
- ◆ Sherpa 2.2.9 default

The x-axis for both panels is groomed multiplicity, ranging from 0 to 150. The top panel's y-axis is logarithmic, ranging from 10^{-7} to 1. The bottom panel's y-axis is linear, ranging from 0.5 to 2. The text "(CMS_2021_I1920187)" is present in the bottom panel.