

Jets

- CMS
- - - ☆ - - - Pythia 6.428 355
- ⋯ □ ⋯ Pythia 6.428 356
- - - △ - - - Pythia 6.428 370
- - - ☆ - - - Pythia 6.428 379
- - - △ - - - Pythia 6.428 ambt1
- - - ● - - - Pythia 6.428 z2

The figure consists of two panels sharing a common x-axis labeled "groomed multiplicity (charged-only)" ranging from 0 to 100.

Top Panel: The y-axis is labeled $\frac{1}{N} \frac{dN}{d\lambda_0}$ and ranges from 0 to 220. It shows the distribution of groomed multiplicity for CMS data (black squares) and several Pythia 6.428 models: Pythia 6.428 355 (orange dashed line with stars), Pythia 6.428 356 (green dotted line with squares), Pythia 6.428 370 (red solid line with triangles), Pythia 6.428 379 (green dashed line with stars), Pythia 6.428 ambt1 (orange solid line with triangles), and Pythia 6.428 z2 (green solid line with circles). The distributions are peaked around a multiplicity of 10. A label "CMS_2021_I1920187" is present near the peak.

Bottom Panel: The y-axis is labeled "Ratio to CMS" and ranges from 0.5 to 2. It shows the ratio of the distributions in the top panel to the CMS data. The background is color-coded: yellow for ratios between 0.5 and 1.0, and green for ratios between 1.0 and 2.0. A horizontal line is drawn at a ratio of 1.0.