

Top Panel: $\frac{dN}{dp_T d\lambda}$ vs groomed multiplicity. The y-axis is logarithmic, ranging from 10^{-7} to 10^0 . The x-axis is linear, ranging from 0 to 50. Data points are shown for CMS (black squares) and Pythia 6.424 models (d6t, default, dw, p0). A vertical line is at $p_T^{\text{jet}} = 65$ GeV. A shaded region indicates $65 < p_T^{\text{jet}} < 88$ GeV.

Bottom Panel: Ratio to CMS vs groomed multiplicity. The y-axis is linear, ranging from 0.5 to 2. The x-axis is linear, ranging from 0 to 50. The ratio is shown for the same models as the top panel. A horizontal line is at a ratio of 1. Shaded regions indicate the ratio range.

Legend:

- CMS
- * Pythia 6.424 d6t
- Pythia 6.424 default
- ▼ Pythia 6.424 dw
- Pythia 6.424 p0

Text in plot: (CMS_2021_I1920187)

Right side text: Rivet 4.1.0, ≥ 100k events
mcplots.cern.ch [arXiv:1306.3436]

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