

Top Panel: $\frac{1}{\#} \frac{dN}{dp_T d\lambda}$ vs p_T (GeV)

Bottom Panel: Ratio to CMS vs groomed multiplicity

Legend:

- CMS
- △ Pythia 6.428 370
- Pythia 6.428 atlas-csc
- * Pythia 6.428 d0
- Pythia 6.428 default
- ▽ Pythia 6.428 dw
- Pythia 6.428 p0

Shaded regions in the bottom panel represent the ratio range for different models:

- Yellow: Pythia 6.428 370
- Light Green: Pythia 6.428 atlas-csc
- Dark Green: Pythia 6.428 d0
- Light Blue: Pythia 6.428 default
- Dark Blue: Pythia 6.428 dw
- Light Purple: Pythia 6.428 p0

(CMS_2021_I1920187)

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

groomed multiplicity