

CMS, 13 TeV, AK4 jets, forward dijet region, $186 < p_T^{\text{dijet}} < 254$ GeV

(CMS_2021_I1920187)

Ratio to CMS

groomed multiplicity

Legend:

- CMS
- ▲ Pythia 8.315 default
- ★ Pythia 8.315 tune-4c
- Pythia 8.315 tune-4cx

Y-axis labels:

- Top: $\frac{dN}{dp_T d\lambda}$
- Bottom: Ratio to CMS

X-axis label: groomed multiplicity

Y-axis ticks (top): 1, 10^{-1} , 10^{-2} , 10^{-3} , 10^{-4} , 10^{-5} , 10^{-6} , 10^{-7}

Y-axis ticks (bottom): 0.5, 1, 2

X-axis ticks: 0, 50, 100

Color coding: Yellow for $\lambda = 1.0$, Green for $\lambda = 1.3436$