

CMS, 13 TeV, AK4 jets, forward dijet region, $614 < p_T^{\text{dijet}} < 800 \text{ GeV}$

The top panel shows the differential cross-section $\frac{1}{\lambda} \frac{dN}{dp_T d\lambda}$ on a logarithmic scale. The bottom panel shows the ratio of the cross-section to the CMS data, Ratio to CMS , on a logarithmic scale.

The x-axis for both panels is $p_{TD2} \text{ (charged-only)}$, ranging from 0 to 1.

The legend for the top panel includes:

- CMS
- ▲ Pythia 8.315 default
- ▼ Pythia 8.315 tune-AU2
- ◆ Pythia 8.315 tune-AU2lox
- Pythia 8.315 tune-AU2loxx
- ★ Pythia 8.315 tune-AU2m

The bottom panel includes shaded regions for the ratio, with a yellow region for $0.7 < \text{Ratio to CMS} < 1.5$ and a green region for $0.8 < \text{Ratio to CMS} < 1.2$.

(CMS_2021_I1920187)

mcplots.cern.ch [arXiv:1306.3436]

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0.5