

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ transverse momentum, $|y| \in [0.2, 0.5]$

- ATLAS
- ▲ Pythia 8.315 default
- -▼ Pythia 8.315 tune-AU2
- · -◇ Pythia 8.315 tune-AU2lox
- · -□ Pythia 8.315 tune-AU2loxx
- * Pythia 8.315 tune-AU2m

 $1/\sigma \# \# \text{cdot} \# d^2\sigma / d|y| dp_{\text{T}}^{\text{t}\bar{\text{t}}} \# \{\{\text{TeV}\}^{-1}\}$

10

1

 10^{-1}

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $p_{\text{T}}^{\text{t}\bar{\text{t}}} \# \{\{\text{TeV}\}\}$

0.5

0

1