

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.315 default
- - * Pythia 8.315 tune-4c
- - □ Pythia 8.315 tune-4cx

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

10

1

 10^{-1}

Ratio to ATLAS

2

1

0.5

0

0.5

1

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

(ATLAS_2022_I2077575)

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

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5