

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ transverse momentum, $|\vec{y}| \in [0, 0.2]$

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

 $1/\sigma \# \# \text{cdot} \# \text{d}^2\sigma / \text{d}|\vec{y}| \text{d}p_{\text{T}}^{\text{t}\bar{\text{t}}} \# [\text{TeV}]^{-1}$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_02077575)

Ratio to ATLAS

2

1

0.5

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