

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.315 default
- ▲ Pythia 8.315 default-noCR

 $d^2\sigma / d|y|^{t,1} dp_{\{T\}}^{t,1} \# \{fb\} \# \{TeV\}^{-1}$ 10^5 10^4 10^3 10^2

2

1

0.5

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

(ATLAS_2022_I2077575)

Ratio to ATLAS

 $p_{\{T\}}^{t,1} \# \{TeV\}$ 