

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 vincia-default

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

10

1

 10^{-1}

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

0.5

1

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