

13000 GeV pp

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

■ ATLAS

— Pythia 8.307 eetherm

 $1 / \sigma \cdot \# \cdot d\sigma / d|\vec{y}^{t\bar{t}}| dp_{\{T\}}^{t\bar{t}} \# [TeV^{-1}]$

10

1

(ATLAS_2022_I2077575)

 10^{-1}

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

2

1

1

0.5

0.5

0

0.5

1

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