

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ transverse momentum, $|y| \in [0.5, 1]$

■ ATLAS

— Pythia 8.315 qcdcr2

 $1 / \sigma \# \# \text{cdot} \# \text{d}^2\sigma / \text{d}y^{\text{tt}} \text{d}p_{\text{T}}^{\text{tt}} \# \text{[TeV]}^{-1}$

10

1

 10^{-1}

(ATLAS_2022_I2077575)

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

0.5

1

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