

13000 GeV pp

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

■ ATLAS

— Pythia 8.307 eetherm

 $1/\sigma \cdot \frac{d^2\sigma}{dp_{\text{T}}^{t\bar{t}} d|\vec{y}|} \cdot \# \text{ events}$

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

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