

13000 GeV pp

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

■ ATLAS

— Pythia 8.313 CP5

 $\frac{d^2\sigma}{d|\vec{y}| d p_{T}^{t\bar{t}}} \# [\text{fb}] \# [\text{TeV}]^{-1}$ 10^5 10^4 10^3

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

0.5

1

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

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5