

13000 GeV pp

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

■ ATLAS

○ Pythia 6.428 390

□ Pythia 6.428 391

◇ Pythia 6.428 392

★ Pythia 6.428 396

★ Pythia 6.428 397

— Pythia 6.428 398

 $1/\sigma \# \# \text{cdot} \# d^2\sigma / d|\vec{y}| dp_{\text{T}}^{\text{t}\bar{\text{t}}} \# [\text{TeV}]^{-1}$

10

1

 10^{-1}

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

0

0.5

1