

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{\bar{t}}| \in [0.2, 0.5]$ Rivet 4.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:2401.10621]

 $1/\sigma \# \text{cdot} \# d^2\sigma / d|y^{\bar{t}}| dm^{\bar{t}} \# \{\text{TeV}\}^{-1}$ 10^{-1}

10

■

ATLAS

-○-

Pythia 6.428 345

-□-

Pythia 6.428 346

-△-

Pythia 6.428 370

-△-

Pythia 6.428 ambt1

-●-

Pythia 6.428 z1

-●-

Pythia 6.428 z2

(ATLAS_2022_I2077575)

Ratio to ATLAS

0.5

2

2

1

0.5

 $m^{\bar{t}} \# \{\text{TeV}\}$

1

2

3

4