

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{\bar{t}}| \in [0, 0.2]$

Rivet 4.1.0, 100k 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}

1

10



ATLAS



Pythia 8.315 default

(ATLAS_2022_I2077575)

Ratio to ATLAS

0.5

2

1

2

1

0.5

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

1

2

3

4