

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [0.2, 0.5]$

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

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

ATLAS



Pythia 8.201 default

(ATLAS_2022_I2077575)

Ratio to ATLAS

2
1
0.52
1
0.5 $m^{t\bar{t}} \# [\text{TeV}]$

1

2

3

4