

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [1,2]$

■ ATLAS
— Pythia 8.307 eetherm

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

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

Ratio to ATLAS

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

10⁴
10³
10²
10
2
1
0.5

100k events
10621
2
1
0.5

1 2 3 4

1 2

1

0.5