

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [0.5, 1]$ $1 / \sigma \# \text{cdot} \# \text{d}^2\sigma / \text{d}y^{t,1} \text{d}m^{t\bar{t}} \# \text{[TeV]}^{-1}$

■ ATLAS
— Pythia 8.315 qcdcr2

(ATLAS_2022_I2077575)

Rivet 4.1.0, 100k events
mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

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

1 2 3 4