

13000 GeV pp

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

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

■ ATLAS
—△— Pythia 6.426 ambt1

(ATLAS_2022_I2077575)

Ratio to ATLAS

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

1 2 3 4