

13000 GeV pp

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

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:1306.3436]

■ ATLAS
—▲ Pythia 8.186 default

(ATLAS_2022_I2077575)

Ratio to ATLAS

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