

13000 GeV pp

 $t\bar{t}$ Parton-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:1306.3436]



ATLAS



Pythia 8.165 default

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

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