

13000 GeV pp

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

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:1306.3436]

■ ATLAS
—▲ Pythia 8.230 default

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

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