

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $p_{\text{T}}^{t\bar{t}} \in [0.35, 1] \text{ \# \{TeV\}}$

■ ATLAS

- - ■ Pythia 6.426 default

 $1/\sigma \text{ \# \#cdot \# d}^2\sigma/\text{dp}_{\text{T}}^{t\bar{t}} \text{ dm}_{\text{T}}^{t\bar{t}} \text{ \# \{TeV\}^2}$

1

 10^{-1} 10^{-2} 10^{-3}

(ATLAS_2022_I2077575)

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $m_{t\bar{t}} \text{ \# \{TeV\}}$

1

2

3

4