

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [1,2]$

- ATLAS
- △ Pythia 6.428 370
- -■ Pythia 6.428 default

 $d^2\sigma / d|y^{t,1}| dm^{t\bar{t}} \text{ # [fb] # [TeV]}^{-1}$ 10^4 10^3 10^2 Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

1

2

3

4