

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $p_{\{T\}}^{t,1} \in [0.75, 2] \# \{\text{TeV}\}$

- ATLAS
- △ Pythia 6.428 370
- ⋯△ Pythia 6.428 373
- Pythia 6.428 374
- ⋯○ Pythia 6.428 375
- △ Pythia 6.428 381
- ⋯▽ Pythia 6.428 382

 $d^2\sigma / dp_{\{T\}}^{t,1} dm_{t\bar{t}} \# \{\text{fb}\} \# \{\text{TeV}\}^{-2}$ 10^3 10^2

10

2

1

0.5

(ATLAS_2022_I2077575)

Ratio to ATLAS

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

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

1

2

3

4