

13000 GeV pp

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

- ATLAS
- - ■ Pythia 6.428 359
- - △ Pythia 6.428 370
- - ▲ Pythia 6.428 a
- - ▼ Pythia 6.428 dw
- - ○ Pythia 6.428 p0
- - ☆ Pythia 6.428 pro-q20

 $1 / \sigma \# \# \text{cdot} \# \text{d}^2 \sigma / \text{d} p_{\{T\}}^{t,1} \text{d} m_{t\bar{t}}^{\#} \# \{\text{TeV}\}^2$ 10^{-1}
 10^{-2}

(ATLAS_2022_I2077575)

Ratio to ATLAS

2
1
0.5 $m_{t\bar{t}}^{\#} \# \{\text{TeV}\}$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

4

3

2

1