

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 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- △- Pythia 6.428 ambt1
- Pythia 6.428 z1
- Pythia 6.428 z2

 $1 / \sigma \# \# \text{cdot} \# \text{d}^2 \sigma / \text{d} p_{\{T\}}^{t,1} \text{dm}^{t\bar{t}} \# \{\text{TeV}\}^2$ 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:2401.10621]

2

1

0.5

4

3

2

1