

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 6.427 z2

 $\frac{d^2\sigma}{dp_{\{T\}}^{t,1}} \frac{d\sigma}{dm^{t\bar{t}}} \# \{\text{fb}\} \# \{\text{TeV}\}^2$

100

80

60

40

20

0

(ATLAS_2022_I2077575)

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

1

2

3

4

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