

13000 GeV pp

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

■ ATLAS

—●— Pythia 6.427 z2

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

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

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

1

2

3

4