

13000 GeV pp

 $t\bar{t}$ Parton-level  $t\bar{t}$  invariant mass,  $|y^{\bar{t}}| \in [1,2]$ 

- ATLAS
- △ Pythia 6.428 370
- - \* Pythia 6.428 379
- - △ Pythia 6.428 ambt1
- - ● Pythia 6.428 z2

 $1/\sigma \# \text{cdot} \# d^2\sigma / d|y^{\bar{t}}| dm^{\bar{t}} \# \{\text{TeV}\}^{-1}$  $10^{-1}$   
 $10^{-2}$ 

(ATLAS\_2022\_I2077575)

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2  
1  
0.52  
1  
0.5 $m^{\bar{t}} \# \{\text{TeV}\}$ 

1 2 3 4