

13000 GeV pp

 $t\bar{t}$ Parton-level  $t\bar{t}$  invariant mass,  $p_{\{T\}}^{t\bar{t}} \in [0.35, 1] \# \{\text{TeV}\}$ 

■ ATLAS

—△ Pythia 6.428 370

- -△ Pythia 6.428 373

- -○ Pythia 6.428 374

- -● Pythia 6.428 375

- -▲ Pythia 6.428 381

- -▼ Pythia 6.428 382

 $1/\sigma \# \# \text{cdot} \# d^2\sigma / dp_{\{T\}}^{t\bar{t}} dm_{t\bar{t}}^{\#} [\{\text{TeV}\}^2]$ 1  
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$ 

(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