

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.201 default
- -▲ Pythia 8.201 default-CD

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

(ATLAS\_2022\_I2077575)

 $10^{-3}$ 

Ratio to ATLAS

2

1

0.5

Rivet 4.1.0,  $\geq 100\text{k events}$ 

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

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

4

3

2

1