

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 6.423 p0

- - □ Pythia 6.423 p2010

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

10

(ATLAS\_2022\_I2077575)

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

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

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