

13000 GeV pp

 $t\bar{t}$ Parton-level  $t\bar{t}$  invariant mass,  $p_{\text{T}}^{t\bar{t}} \in [0, 0.1] \text{ # TeV}$ 

■ ATLAS

—▲ Pythia 8.315 default

 $d^2\sigma / dp_{\text{T}}^{t\bar{t}} dm_{t\bar{t}}^2 \text{ # fb # TeV}^{-2}$  $10^5$  $10^4$  $10^3$ 

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2022\_I2077575)

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

4

3

2

1