

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $p_{\text{T}}^{t\bar{t}} \in [0.1, 0.2] \text{ # TeV}$

■ ATLAS

— Pythia 8.307 eetherm

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

2

1

0.5

Ratio to ATLAS

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

(ATLAS_2022_I2077575)

 $m^{t\bar{t}} \text{ # TeV}$

1

2

3

4