

13000 GeV pp

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

- ATLAS
- △ Pythia 6.424 ambt1
- Pythia 6.424 z1

 $1 / \sigma \text{ \# \#cdot \# } d^2\sigma / dp_{\text{T}}^{t\bar{t}} dm^{t\bar{t}} \text{ \# \{TeV\}^2}$ 10^{-1}
 10^{-2} Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

 10^{-3}

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

1

2

3

4