

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 8.315 default
- ✱ Pythia 8.315 tune-4c
- Pythia 8.315 tune-4cx

 $1 / \sigma \# \# \text{cdot} \# d^2 \sigma / dp_{\{T\}}^{t\bar{t}} dm_{t\bar{t}} \# \{\text{TeV}\}^{-2}$ 10^{-1}
 10^{-2}
 10^{-3}

(ATLAS_2022_I2077575)

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

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2
1
0.52
1
0.5 $m_{t\bar{t}} \# \{\text{TeV}\}$

1 2 3 4

