

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{\bar{t}}| \in [1,2]$

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default

 $1/\sigma \cdot \# \text{cdot} \cdot \# \text{d}^2\sigma / \text{d}y^{\bar{t}} \text{d}m^{\bar{t}} \cdot \# \{\text{TeV}\}^{-1}$ 10^{-1}
 10^{-2}

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100\text{k events}$
mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2
1
0.52
1
0.5 $m^{\bar{t}} \cdot \# \{\text{TeV}\}$ 