

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [1,2]$ $1/\sigma \# \# \text{cdot} \# \text{d}^2\sigma / \text{d}|y^{t,1}| \text{d}m^{t\bar{t}} \# \{\text{TeV}\}^{-1}$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

- ATLAS
- Pythia 6.428 345
- △ Pythia 6.428 370
- △ Pythia 6.428 ambt1
- Pythia 6.428 z2

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

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