

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{\bar{t}}| \in [0.2, 0.5]$ $1/\sigma \cdot \# \cdot \text{cdot} \cdot \# \cdot \text{d}^2\sigma / \text{d}y^{\bar{t}} \cdot \text{d}m^{\bar{t}} \cdot \# \cdot \{\text{TeV}\}^{-1}$ Rivet 4.1.0, $\geq 100\text{k}$ events

mcplots.cern.ch [arXiv:2401.10621]

- ATLAS
- Pythia 6.428 350
- △ Pythia 6.428 370
- △ Pythia 6.428 380
- Pythia 6.428 p0
- Pythia 6.428 p2010

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

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