

13000 GeV pp

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

mcplots.cern.ch [arXiv:1306.3436]

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 391
- Pythia 6.428 default
- ▲ Pythia 8.315 default

(ATLAS_2022_I2077575)

Ratio to ATLAS

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