

13000 GeV pp

 $t\bar{t}$ Parton-level  $t\bar{t}$  invariant mass,  $|y^{t,1}| \in [0,0.2]$  $1/\sigma \# \text{cdot} \# d^2\sigma / d|y^{t,1}| dm^{t\bar{t}} \# [\{\text{TeV}\}^{-1}]$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2022\_I2077575)

- ATLAS
- - ■ Pythia 6.426 default
- - ▲ Pythia 8.315 default

Ratio to ATLAS

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