

13000 GeV pp

 $t\bar{t}$ Parton-level  $t\bar{t}$  invariant mass,  $|y^{t,1}| \in [0.5, 1]$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

 $m^{t\bar{t}} \# [\text{TeV}]$  $d^2\sigma / d|y^{t,1}| dm^{t\bar{t}} \# [\text{fb}] \# [\text{TeV}]^{-1}$ 

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 default

(ATLAS\_2022\_I2077575)

Ratio to ATLAS

