

13000 GeV pp

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

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

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

- ATLAS
- Pythia 6.428 346
- △ Pythia 6.428 347
- ◇ Pythia 6.428 348
- + Pythia 6.428 349
- △ Pythia 6.428 370

(ATLAS\_2022\_I2077575)

Ratio to ATLAS

2

1

0.5

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

2

1

0.5

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