

13000 GeV pp

 $t\bar{t}$ Parton-level  $t\bar{t}$  invariant mass,  $|y^{t,1}| \in [1,2]$ 

- ATLAS
- Pythia 6.428 390
- Pythia 6.428 391
- ◇ Pythia 6.428 392
- ★ Pythia 6.428 396
- ▲ Pythia 6.428 397
- ✱ Pythia 6.428 398

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2022\_I2077575)

Ratio to ATLAS

2

1

0.5

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