

13000 GeV pp

 $t\bar{t}$ Particle-level  $t\bar{t}$  invariant mass,  $p_{T}^{t\bar{t}} \in [0.2, 0.35] \text{ # TeV}$ 

- ATLAS
- Pythia 6.428 345
- △- Pythia 6.428 370
- △- Pythia 6.428 ambt1
- Pythia 6.428 z2

 $1 / \sigma \text{ # } \# \text{cdot} \text{ # } d^2\sigma / dp_{T}^{t\bar{t}} dm^{t\bar{t}} \text{ # } [\text{TeV}]^2$ 

10

1

 $10^{-1}$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2022\_I2077575)

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

1 2 3 4