

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [0.2, 0.5]$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

4

 $d^2\sigma / d|y^{t,1}| dm^{t\bar{t}} \text{ # [fb] # [TeV]}^{-1}$ 10^3 10^2

10



ATLAS



Herwig 7.2.1 default



Pythia 8.165 default

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

1

2

3

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