

13000 GeV pp

 $t\bar{t}$ Particle-level  $t\bar{t}$  invariant mass,  $|y^{t\bar{t}}| \in [0,0.2]$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $m^{t\bar{t}} \# [\text{TeV}]$  $d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \# [\text{fb}] \# [\text{TeV}^{-1}]$  $10^4$   
 $10^3$   
 $10^2$ 

10

Ratio to ATLAS

0.5

■ ATLAS  
- - ■ Pythia 6.426 default  
- - ▲ Pythia 8.201 default

(ATLAS\_2022\_I2077575)

1

2

3

4

