

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:1306.3436]

2

1

0.5

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

Ratio to ATLAS

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

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

(ATLAS\_2022\_I2077575)

