

13000 GeV pp

 $t\bar{t}$ Particle-level  $t\bar{t}$  invariant mass,  $|y^{t\bar{t}}| \in [0.5, 1]$  $d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \text{ # [fb] # [TeV]}^{-1}$  $10^3$  $10^2$ 

10

2

1

0.5

Ratio to ATLAS

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

ATLAS

Sherpa 1.3.0 default

(ATLAS\_2022\_I2077575)

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

1

2

3

4