

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [1,2]$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

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

Ratio to ATLAS

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

- ATLAS
- - □ Herwig 7.2.1 default
- · · ◆ Sherpa 2.2.4 default

0.5

1

2

 10^2 10^3 10^4

0.5

1

2

1

2

3

4