

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [0.5, 1]$ $d^2\sigma / d|y^{t,1}| dm^{t\bar{t}} \text{ # [fb] # [TeV]}^{-1}$ 10^4 10^3 10^2 

ATLAS



Pythia 8.135 default

(ATLAS_2022_I2077575)

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

4

3

2

1