

13000 GeV pp

 $t\bar{t}$ $m(t\bar{t})$ (ATLAS semileptonic $t\bar{t}$)

■ ATLAS

—▲ Pythia 8.308 default

 $1/\sigma d^2\sigma / dm^{t\bar{t}} dy^{t\bar{t}} [1/\text{GeV}]$ 10^{-2} 10^{-3} 10^{-4}

ATLAS_2019_I1750330

Rivet 3.1.10, 2.1M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $m^{t\bar{t}} [\text{GeV}], |y^{t\bar{t}}| \text{ in } [0,0.4]$

500

1000

1500

2000