

13000 GeV pp

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

■ ATLAS

—▲ Pythia 8.308 default

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

Rivet 3.1.10, 2.1M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

 $m^{t\bar{t}} [\text{GeV}], |y^{t\bar{t}}| \text{ in } [0.4, 0.8]$ 