

13000 GeV pp

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

- ATLAS
- △ Pythia 6.428 370
- -□ Pythia 6.428 391
- -■ Pythia 6.428 default

 $\frac{d^2\sigma}{dm^{t\bar{t}} d|y^{t\bar{t}}|} [\text{pb/GeV}]$ 10^{-3} 10^{-4} 10^{-5}

ATLAS_2019_I1750330

Rivet 3.1.10, $\geq 2.8\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

1000

2000

3000

 $m^{t\bar{t}} [\text{GeV}], |y^{t\bar{t}}| \text{ in } [1.3, 2.0] [\text{GeV}]$ 