

13000 GeV pp

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

- ATLAS
- Pythia 6.425 350
- Pythia 6.425 p0
- - □ - - Pythia 6.425 p2010

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

ATLAS_2019_I1750330

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

500

1000

1500

2000

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