

13000 GeV pp

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.308 default

 $1/\sigma d^2\sigma/dm^{t\bar{t}}/d|y^{t\bar{t}}|$ [1/GeV]Rivet 3.1.10, ≥ 2.1 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

0.5

500

1000

1500

2000

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