

13000 GeV pp

 $t\bar{t}$ Boosted $l+jets$

- ATLAS
- ▲ Pythia 8.244 default
- Pythia 8.244 tune-2c
- Pythia 8.244 tune-2m

 $1/\sigma d^2\sigma/dm_{t\bar{t}} dy_{t\bar{t}} [1/\text{GeV}]$ 10^{-3} 10^{-4} 10^{-5}

(ATLAS_2019_I1750330)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

1000

2000

3000

 $m_{t\bar{t}} [\text{GeV}], |y_{t\bar{t}}| \in [1.3, 2.0]$ 