

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.244 default
- ▲ Pythia 8.244 default-noFsr
- ▲ Pythia 8.244 default-noRap

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

(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

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