

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.244 default
- -● Pythia 8.244 tune-2c
- ...○ Pythia 8.244 tune-2m

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

(ATLAS_2019_I1750330)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

0.5

2

1

0.5

2

 $m_{t\bar{t}}^{\text{[GeV]}}, |y_{t\bar{t}}| \in [1.2, 2.5]$

500

1000

1500

2000

