

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.315 default
- -● Pythia 8.315 tune-2c
- -○ Pythia 8.315 tune-2m

 $\frac{d^2\sigma}{dN_{l+jets}^{extra} d m_{t\bar{t}}} \text{ [pb/GeV]}$ 10^{-4} 10^{-3} 10^{-2}

(ATLAS_2019_I1750330)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

0.5

1

2

0.5

1

2

 $m_{t\bar{t}} \text{ [GeV]}, N_{l+jets}^{extra} = 0$

1000

2000

3000