

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.315 default
- -▲ Pythia 8.315 default-CD
- -▲ Pythia 8.315 default-DL
- ...▲ Pythia 8.315 default-MBR

 $\frac{d^2\sigma}{dN_{\{extra\ jet\}} d m_{t\bar{t}}} [pb/GeV]$ 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

 $m_{t\bar{t}} [GeV], N_{\{extra\ jet\}} = 1$

1000

2000

3000

 $m_{t\bar{t}} [GeV], N_{\{extra\ jet\}} = 1$