

13000 GeV pp

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

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

 $1 / \sigma d^2\sigma / dN_{t\bar{t}}^{extra\ jet} d m_{t\bar{t}} [1/GeV]$ 10^{-4} 10^{-5}

(ATLAS_2019_I1750330)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

0.5

2

2

1

0.5

1000

2000

3000

 $m_{t\bar{t}} [GeV], N_{t\bar{t}}^{extra\ jet} = 0$ 