

13000 GeV pp

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

- ATLAS
- - ■ Pythia 6.423 default
- - ☆ Pythia 6.423 pro-q2o

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

2

1

0.5

2

1

0.5

1000

2000

3000

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