

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.315 default
- ▲ Pythia 8.315 default-noFsr
- ▲ Pythia 8.315 default-noRap

 $\frac{d^2\sigma}{dm_{t\bar{t}} dH_T^{t\bar{t}}} [\text{pb/GeV}^2]$ 10^{-8} 10^{-7} 10^{-6} 10^{-5}

(ATLAS_2019_I1750330)

Ratio to ATLAS

0.5

1

2

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $m_{t\bar{t}} [\text{GeV}], H_T^{t\bar{t}} \in [780, 2500] [\text{GeV}]$

2000

1000

3000