

13000 GeV pp

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

- ATLAS
- Pythia 6.428 350
- .-●-.- Pythia 6.428 357
- ...●... Pythia 6.428 358
- .-■-.- Pythia 6.428 359

 $\frac{d^2\sigma}{dN^{\text{extra jet}} d m^{t\bar{t}}} \text{ [pb/GeV]}$ 10^{-4} 10^{-5}

(ATLAS_2019_I1750330)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

1000

2000

3000

 $m^{t\bar{t}} \text{ [GeV]}, N^{\text{extra jet}} = 0$ $d^2\sigma / dN^{\text{extra jet}} d m^{t\bar{t}} \text{ [pb/GeV]}$