

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.201 default
- ◆ Sherpa 2.2.4 default

 $\frac{d^2\sigma}{d m_{t\bar{t}} d N_{\text{extra jet}}}$  [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],  $N_{\text{extra jet}} = 1$ 