

13000 GeV pp

 $t\bar{t}$  $m(t\bar{t})$  (ATLAS semileptonic  $t\bar{t}$ )

- ATLAS
- ▲ Pythia 8.308 default
- ▲ Pythia 8.308 default-noFsr
- ▲ Pythia 8.308 default-noRap

 $1 / \sigma d^2\sigma / dN^{\text{extra jet}} d m^{\text{tbar}\{t\}} [1/\text{GeV}]$ 
Rivet 3.1.10,  $\geq 2.8\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1750330

Ratio to ATLAS

2

1

0.5

2

1

0.5

1000

2000

3000

 $m^{\text{tbar}\{t\}} [\text{GeV}], N^{\text{extra jet}} = 1$ 