

13000 GeV pp

 $t\bar{t}$  $t\bar{t}H\bar{H}$  (ATLAS semileptonic  $t\bar{t}b\bar{b}$ )

- ATLAS
- ▲ Pythia 8.308 default
- - \* Pythia 8.308 tune-4c
- ... □ Pythia 8.308 tune-4cx

 $1 / \sigma d^2\sigma / dN^{\text{jets}} dH_T^{\{t\bar{t}b\bar{b}\}} [1/\text{GeV}]$  $10^{-3}$  $10^{-4}$  $10^{-5}$  $10^{-6}$ 

ATLAS\_2019\_I1750330

Rivet 3.1.10,  $\geq 2.1\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

2

1

1

0.5

0.5

 $H_T^{\{t\bar{t}b\bar{b}\}} [\text{GeV}], N^{\text{jets}} = 6$ 

0

500

1000

1500

2000