

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.170 default
- -▲ Pythia 8.170 default-CD
- ...▲ Pythia 8.170 default-MBR

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

ATLAS_2019_I1750330

Rivet 3.1.10, $\geq 300\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

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