

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 vincia-default

 $1 / \sigma d^2\sigma / dN^{\text{jets}} dH_T^{\text{t}\bar{t}} \text{ [1/GeV]}$ 10^{-3} 10^{-4} 10^{-5} 10^{-6} Rivet 3.1.10, $\geq 2.1\text{M events}$

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

2

1

0.5

0 500 1000 1500 2000

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