

13000 GeV pp

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

- ATLAS
- Pythia 6.428 350
- △— Pythia 6.428 370
- △— Pythia 6.428 380
- Pythia 6.428 p0
- - □ - - Pythia 6.428 p2010

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

ATLAS_2019_I1750330

Rivet 3.1.10, $\geq 2.7\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

0

500

1000

1500

2000