

13000 GeV pp

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

- ATLAS
- - * Pythia 6.428 355
- ... □ Pythia 6.428 356
- - △ Pythia 6.428 370
- - * Pythia 6.428 379
- - △ Pythia 6.428 ambt1
- - — Pythia 6.428 z2

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

ATLAS_2019_I1750330

Rivet 3.1.10, $\geq 1.4\text{M events}$

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

0

500

1000

1500

2000