

13000 GeV pp

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

- ATLAS
- △ Pythia 6.425 ambt1
- ...● Pythia 6.425 z1
- Pythia 6.425 z2

 $1/\sigma d^2\sigma / dN^{\text{jets}} dH_T^{\{t\bar{t}b\bar{b}\}} [1/\text{GeV}]$ Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

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