

13000 GeV pp

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

- ATLAS
- Herwig 7.2.1 default
- △ Pythia 6.428 370
- ▲ Pythia 8.170 default
- ◆ Sherpa 2.2.0 default

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

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

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

0

500

1000

1500

2000