

13000 GeV pp

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

- ATLAS
- ▼ Herwig 7.2.1 softTune
- △ Pythia 6.428 370
- ▲ Pythia 8.308 default

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

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

0

500

1000

1500

2000