

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 default
- - ▲ Pythia 8.170 default
- - ◆ Sherpa 2.2.0 default

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

ATLAS\_2019\_I1750330

Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

0

500

1000

1500

2000