

13000 GeV pp

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

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

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

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1750330

Ratio to ATLAS

2

1

0.5

 $H_T^{\{t\bar{t}\}} [\text{GeV}], N^{\text{jets}} \geq 7$ 