

13000 GeV pp

 $t\bar{t}$ Boosted $l+jets$

■ ATLAS

---□ Herwig 7.2.1 default

—▼ Herwig 7.2.1 softTune

 $d^2\sigma / d m_{t\bar{t}} d H_T^{t\bar{t}} [pb/GeV^2]$ 10^{-5} 10^{-6} 10^{-7} 10^{-8}

(ATLAS_2019_I1750330)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

1000

2000

3000

 $m_{t\bar{t}} [GeV], H_T^{t\bar{t}} \in [780, 2500] [GeV]$ 