

13000 GeV pp

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

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.315 default

 $1/\sigma d^2\sigma/dm_{t\bar{t}} d|y_{t\bar{t}}| [1/GeV]$  $10^{-3}$  $10^{-4}$  $10^{-5}$ 

(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

 $m_{t\bar{t}} [\{GeV\}], |y_{t\bar{t}}| \in [1.3, 2.0]$ 