

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $p_{\text{T}}^{t\bar{t}} \in [0, 0.1] \text{ # [TeV]}$

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

 $d^2\sigma / dp_{\text{T}}^{t\bar{t}} d m_{t\bar{t}}^{\text{# [fb] # [TeV]}^2}$ 10^5 10^4 10^3 Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $m_{t\bar{t}}^{\text{# [TeV]}}$

4

3

2

1