

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [1, 2]$

- ATLAS
- Herwig++ 2.7.1 default
- Herwig++ 2.7.1 UE-EE-5
- Herwig 7.2.1 default

 $1/\sigma \# \text{cdot} \# \text{d}^2\sigma / \text{d}y^{t\bar{t}} \text{d}m^{t\bar{t}} \# \{\text{TeV}\}^{-1}$ 10^{-1}
 10^{-2}

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100\text{k events}$
mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2
1
0.52
1
0.5 $m^{t\bar{t}} \# \{\text{TeV}\}$

1 2 3 4