

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $p_{\text{T}}^{t\bar{t}} \in [0.35, 1] \text{ # {TeV}}$

■ ATLAS

○ Herwig++ 2.7.1 default

□ Herwig 7.2.1 default

◆ Sherpa 2.2.4 default

 $1/\sigma \text{ # } \# \text{cdot} \text{ # } d^2\sigma / dp_{\text{T}}^{t\bar{t}} dm_{t\bar{t}}^2 \text{ # } [\text{TeV}]^2$ 10^{-1}
 10^{-2}

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2
1
0.52
1
0.5 $m_{t\bar{t}} \text{ # } [\text{TeV}]$

1

2

3

4