

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [1,2]$ $1/\sigma \# \text{cdot} \# d^2\sigma / d|y^{t,1}| dm^{t\bar{t}} \# \{\text{TeV}\}^{-1}$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

 10^{-1}
 10^{-2}

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.235 default
- ◆- Sherpa 2.2.4 default

(ATLAS_2022_I2077575)

Ratio to ATLAS

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

1 2 3 4