

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $p_{\text{T}}^{t\bar{t}} \in [0.2, 0.35] \text{ # TeV}$

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.301 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^{-1} Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

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

1

2

3

4