

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [0.5, 1]$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲ Pythia 8.230 default
- ◆ Sherpa 2.2.4 default

 $d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \text{ # [fb] # [TeV]}^{-1}$

Ratio to ATLAS

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