

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
- ▲ Pythia 8.315 default
- ...◆ Sherpa 2.2.4 default

 $1 / \sigma \text{ \# \#cdot \# d}^2\sigma / \text{d}p_{\text{T}}^{t\bar{t}} \text{ \# \{TeV\}}^2$ 10^{-1}
 10^{-2} Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

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

1 2 3 4

