

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ transverse momentum, $|y| \in [0.2, 0.5]$

■ ATLAS

○ Herwig++ 2.7.1 default

▲ Pythia 8.315 default

▼ Pythia 8.315 vincia-default

◆ Sherpa 2.2.4 default

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

10

1

 10^{-1}

(ATLAS_2022_I2077575)

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

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

0.5

1

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