

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.315 default
- ⋯◆ Sherpa 2.2.4 default

 $d^2\sigma / d|y|^{t,1} dp_{\{T\}}^{t,1} \# [\text{fb}] \# [\text{TeV}]^{-1}$ 10^5
 10^4
 10^3
 10^2 Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2
1
0.52
1
0.5 $p_{\{T\}}^{t,1} \# [\text{TeV}]$

0.5

1

1.5

2