

13000 GeV pp

 $t\bar{t}$ Parton-level leading top transverse momentum, $|\vec{y}| \in [0, 0.2]$

- ATLAS
- ▲ Pythia 8.315 default
- ▼ Pythia 8.315 vincia-default

 $d^2\sigma / d|\vec{y}|^{t,1} dp_{\vec{T}}^{t,1} \# [\text{fb}] \# \{\text{TeV}\}^{-1}$ 10^5 10^4 10^3 10^2

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $p_{\vec{T}}^{t,1} \# [\text{TeV}]$

0.5

1

1.5

2