

13000 GeV pp

 $t\bar{t}$ Parton-level leading top transverse momentum, $p_{\text{T}}^{\text{t},1} \in [0.2, 0.5]$

■ ATLAS

—▲ Pythia 8.186 default

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

2

1

0.5

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

(ATLAS_2022_I2077575)

Ratio to ATLAS

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