

13000 GeV pp

 $t\bar{t}$ Parton-level leading top transverse momentum, $|\vec{y}| \in [1, 2]$

- ATLAS
- △ Pythia 6.428 370
- -□ Pythia 6.428 391
- -■ Pythia 6.428 default
- ▲ Pythia 8.315 default

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

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

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