

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ transverse momentum, $|\vec{y}| \in [0.5, 1]$

- ATLAS
- - ■ Pythia 6.425 default
- - ▲ Pythia 8.315 default

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

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

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