

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $p_{\text{T}}^{t\bar{t}} \in [0.35, 1] \text{ \# \{TeV\}}$

- ATLAS
- - ■ Pythia 6.425 default
- - ☆ Pythia 6.425 pro-q2o

 $1/\sigma \text{ \# \#cdot \# d}^2\sigma/\text{dp}_{\text{T}}^{t\bar{t}} \text{ \# \{TeV\}^2}$ 10^{-1}
 10^{-2}
 10^{-3}

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2
1
0.52
1
0.5 $m^{t\bar{t}} \text{ \# \{TeV\}}$

1 2 3 4

