

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [0.2, 0.5]$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

 $1/\sigma \cdot \# \text{cdot} \# d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \# \{\text{TeV}\}^{-1}$

- ATLAS
- △— Pythia 6.428 370
- Pythia 6.428 atlas-csc
- *- Pythia 6.428 d6t
- Pythia 6.428 default
- ▽- Pythia 6.428 dw
- Pythia 6.428 p0

(ATLAS_2022_I2077575)

Ratio to ATLAS

 $m^{t\bar{t}} \# \{\text{TeV}\}$ 