

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ $H_{\{T\}}$ $1/\sigma \# \# \text{cdot} \# d H_{\{T\}}^{t\bar{t}} \# \{[\text{TeV}]^{-1}\}$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 391
- Pythia 6.428 default
- ☆ Pythia 6.428 pro-q2o

Ratio to ATLAS

2

1

0.5

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