

13000 GeV pp

 $t\bar{t}$ Particle-level  $t\bar{t}$  invariant mass,  $|y^{t\bar{t}}| \in [0.2, 0.5]$  $1/\sigma \cdot \# \text{cdot} \# \text{d}^2\sigma / \text{d}|y^{t\bar{t}}| \text{d}m^{t\bar{t}} \# \{\text{TeV}\}^{-1}$ 

10

1

 $10^{-1}$ 

■

ATLAS

■

Pythia 6.428 359

△

Pythia 6.428 370

▲

Pythia 6.428 a

▼

Pythia 6.428 dw

○

Pythia 6.428 p0

☆

Pythia 6.428 pro-q2o

(ATLAS\_2022\_I2077575)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

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