

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t} \cos\{\theta_{t\bar{t}}^{\text{ast}}\}$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

 $1/\sigma \cdot \frac{d\sigma}{d|\cos\{\theta_{t\bar{t}}^{\text{ast}}\}|}$

10

1

 10^{-1} 

ATLAS

Pythia 6.428 370

Pythia 6.428 391

Pythia 6.428 default

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

0.5

1

 $|\cos\{\theta_{t\bar{t}}^{\text{ast}}\}|$ 