

13000 GeV pp

 $t\bar{t}$ $m(t\bar{t})$ (atlas2022-lh) 10^{-2} 10^{-3} 10^{-4} 10^{-5} 10^{-6} Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

■ ATLAS

▲ Pythia 8.315 default

— Pythia 8.315 tune-A14-CTEQL1

- - - Pythia 8.315 tune-A14-MSTW2008LO

... Pythia 8.315 tune-A14-NNPDF2.3LO

- - Δ Pythia 8.315 tune-CUETP8S1

(ATLAS_2022_I2037744)

Ratio to ATLAS

2

1

0.5

2

1

0.5

1000

2000

3000

