

13000 GeV pp

 $t\bar{t}$ $t\bar{t}b\bar{b}\eta$ Star (cms2021-lh)

0.25

0.2

0.15

0.1

0.05

■ CMS

—▲ Pythia 8.315 default

- -▼ Pythia 8.315 tune-AU2

- · - ·◇ Pythia 8.315 tune-AU2lox

- · - ·□ Pythia 8.315 tune-AU2loxx

—★ Pythia 8.315 tune-AU2m

(CMS_2021_l1901295)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

3

2

1

0.5

2

1

0.5

-1

-0.5

0

0.5

1