

13000 GeV pp

 $t\bar{t}$

Cross section(CMS ttbb production)

- CMS
- ▲— Pythia 8.315 default
- - * - - Pythia 8.315 tune-4c
- ...□... Pythia 8.315 tune-4cx

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2019_I1753720)

Ratio to CMS

2

1

0.5

0.5

1

1.5

