

13000 GeV pp

 $t\bar{t}$

Cross section(CMS ttbb production)

- cross section (pb)
- CMS
 - ▲— Pythia 8.212 default
 - -▼- - Pythia 8.212 tune-1
 - -●- - Pythia 8.212 tune-2c
 - -○- - Pythia 8.212 tune-2m

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2019_I1753720

Ratio to CMS

