

13000 GeV pp

 $t\bar{t}$

Cross section(CMS ttbb production)

cross section (pb)

- CMS
- Pythia 6.428 391
- + Pythia 6.428 393
- Pythia 6.428 394
- ▼ Pythia 6.428 395

Rivet 3.1.10, ≥ 2.6 M events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2019_I1753720

Ratio to CMS

0.5 1 2

2

1

0.5

Fiducial PI phase space

0.5

1

1.5