

13000 GeV pp

 $t\bar{t}$

Cross section(CMS ttbb production)

- CMS
- Herwig 7.2.1 default
- ▲— Pythia 8.170 default
- ...◆... Sherpa 1.3.1 default

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2019_I1753720

Ratio to CMS

0.5

1

2

0.5

1

2

Fiducial PI phase space

0.5

1

1.5