

13000 GeV pp

Top (t-channel)

Rapidity (CMS single top)

 $d\sigma_{t+\bar{t}}/d|y|$ (pb)

■ CMS

—▲ Pythia 8.308 default

Rivet 3.1.10, 2.7M events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2019_I1744604

Ratio to CMS

2

1

0.5

Particle-level top quark $|y|$ 