

13000 GeV pp

Top (t-channel)

 $y(\text{top})$ (CMS single top)

- CMS
- ▲ Pythia 8.170 default
- - □ Pythia 8.170 tune-4cx

Rivet 3.1.10, $\geq 100\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2019_I1744604

Ratio to CMS

2

1

0.5

Particle-level top quark $|y|$ 