

13000 GeV pp

Top (t-channel)

 $y(\text{top})$ (CMS single top) $(d\sigma_t/d|y|)/(d\sigma_{t+\text{bar}t_t}/d|y|)$

■ CMS
—▲ Pythia 8.308 default

Rivet 3.1.10, 100k events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2019_I1744604

Ratio to CMS

2

1

0.5

Particle-level top quark $|y|$

0

1

2