

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
- Pythia 8.308 tune-A14-CTEQL1
- - - Pythia 8.308 tune-A14-MSTW2008LO
- ⋯ Pythia 8.308 tune-A14-NNPDF2.3LO
- - Δ Pythia 8.308 tune-CUETP8S1

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 $|y|$ 