

13000 GeV pp

Top (t-channel)

Lepton 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

0.5

1

2

0.5

1

2

Particle-level lepton  $|y|$ 