

13000 GeV pp

Top (t-channel)

 $p_T^W$  (CMS single top) $d\sigma_{t+\bar{t}}/dp_T$  (pb/GeV) $10^{-1}$  $10^{-2}$  $10^{-3}$ 

CMS



Pythia 8.180 default

CMS\_2019\_I1744604

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2

1

0.5

2

1

0.5

Particle-level W  $p_T$  (GeV)

0

100

200