

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 8.308 default



Pythia 8.308 tune-4c



Pythia 8.308 tune-4cx

Rivet 3.1.10, ≥ 2.7 M events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2019_I1744604

Ratio to CMS

2

1

0.5

2

1

0.5

Particle-level W p_T (GeV)

0

100

200