

13000 GeV pp

Top (t-channel)

 p_T^W (CMS single top)

■ CMS

—▲ Pythia 8.170 default

 $(d\sigma_t/dp_T)/(d\sigma_{t+\bar{t}}/dp_T)$

Rivet 3.1.10, 100k events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2019_I1744604

Ratio to CMS

2

1

0.5

Particle-level W p_T (GeV)