

13000 GeV pp

 $t\bar{t}$ p_T^l (cms2018-ttbardif) 10^{-1} 10^{-2} 10^{-3} 10^{-4} 10^{-5} 

CMS



Pythia 8.315 default



Pythia 8.315 tune-A14-CTEQL1



Pythia 8.315 tune-A14-MSTW2008LO



Pythia 8.315 tune-A14-NNPDF2.3LO



Pythia 8.315 tune-CUETP8S1

(CMS_2018_I1703993)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2

1

0.5

2

1

0.5

0

100

200

300

400