

13000 GeV pp

 $t\bar{t}$ p_T^{top} (ATLAS semileptonic $t\bar{t}$) 10^{-3} 10^{-4} 10^{-5} 10^{-6} 10^{-7}

■ ATLAS

- - ■ Pythia 6.428 359

- - △ Pythia 6.428 370

- - ▲ Pythia 6.428 a

- - ▼ Pythia 6.428 dw

- - ○ Pythia 6.428 p0

- - ☆ Pythia 6.428 pro-q2o

(ATLAS_2019_I1750330)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

500

1000

1500

2000

