

13000 GeV pp

 $t\bar{t}$ $P_{\text{out}}^{\text{top}}$ (ATLAS semileptonic $t\bar{t}$) 10^{-2} 10^{-3} 10^{-4} 10^{-5}

■ ATLAS

- - □ - - Pythia 6.428 391

- - + - - Pythia 6.428 393

- - ● - - Pythia 6.428 394

■ - - ▼ - - Pythia 6.428 395

(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

0

200

400

