

13000 GeV pp

 $t\bar{t}$ $P_{\text{out}}^{\text{top}}$ (ATLAS semileptonic $t\bar{t}$) 10^{-1} 10^{-2} 10^{-3} 10^{-4}

■ ATLAS

---○ Herwig++ 2.7.1 default

---□ Herwig 7.2.1 default

—▲ Pythia 8.235 default

■◆ Sherpa 2.2.4 default

(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

0

200

400