

13000 GeV pp

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

■ ATLAS

---□ Herwig 7.2.1 default

---△ Pythia 6.428 370

---▲ Pythia 8.315 default

---◇ Sherpa 2.2.4 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2019_I1750330)

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

200

400

600

800