

13000 GeV pp

 $t\bar{t}$ $t\bar{t}H\bar{t}\bar{t}$ (ATLAS semileptonic $t\bar{t}$ bar)

■ ATLAS

—▲ Pythia 8.170 default

 $\frac{d^2\sigma}{dN^{\text{jets}} dH_T^{\text{t}\bar{t}}}$ [pb/GeV] 10^{-1} 10^{-2} 10^{-3} 10^{-4} 10^{-5} 10^{-6} 10^{-7} 10^{-8} 10^{-9} 10^{-10}

Rivet 3.1.10, 500k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

500

1000

1500

2000

 $H_T^{\text{t}\bar{t}} \text{ [GeV], } N^{\text{jets}} = 6$