

13000 GeV pp

 $t\bar{t}$ $P_{\text{out}}^{\text{top}}$ (ATLAS semileptonic $t\bar{t}$ bar)

- ATLAS
- ▲ Pythia 8.170 default
- Pythia 8.170 tune-4cx

 $\frac{d^2\sigma}{d p_T^{t,\text{had}} d |\mathbf{p}_{\text{out}}^{t,\text{had}}|} [\text{pb/GeV}^2]$ 10^{-2} 10^{-3} 10^{-4} 10^{-5} Rivet 3.1.10, $\geq 500\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

200

400

 $|\mathbf{p}_{\text{out}}^{t,\text{had}}| [\text{GeV}], p_T^{t,\text{had}} \text{ in } [200, 300] [\text{GeV}]$ 