

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.183 default
- Pythia 8.183 tune-4cx

 $\frac{1}{\sigma} \frac{d^2\sigma}{d|p_{\text{out}}^{t,\text{had}}| d p_T^{t,\text{had}}} \left[\frac{1}{\text{GeV}^2} \right]$ Rivet 3.1.10, $\geq 300\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

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