

13000 GeV pp

 $t\bar{t}$ Boosted $l+jets$

- ATLAS
- - ■ Pythia 6.426 359
- - ▲ Pythia 6.426 a
- - ▼ Pythia 6.426 dw
- - ○ Pythia 6.426 p0
- - ☆ Pythia 6.426 pro-q20

 $1 / \sigma d^2 \sigma / d m_{T}^{t\bar{t}} d H_T^{t\bar{t}} [1/\text{GeV}^2]$ 10^{-6} 10^{-7} 10^{-8} Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2019_I1750330)

Ratio to ATLAS

2

1

0.5

2

1

0.5

1000

2000

3000

 $m_{T}^{t\bar{t}} [\text{GeV}], H_T^{t\bar{t}} \in [780, 2500] [\text{GeV}]$ 