

13000 GeV pp

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

- ATLAS
- Pythia 6.428 346
- △ Pythia 6.428 347
- ◇ Pythia 6.428 348
- ⊕ Pythia 6.428 349
- △ Pythia 6.428 370

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

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2019_I1750330)

Ratio to ATLAS

2

1

0.5

2

1

0.5

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