

13000 GeV pp

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

- ATLAS
- Pythia 6.425 atlas-csc
- *-- Pythia 6.425 d6t
- Pythia 6.425 default
- ▼-- Pythia 6.425 dw
- Pythia 6.425 p0

 $\frac{d^2\sigma}{dm^{t\bar{t}} dH_T^{t\bar{t}}} [\text{pb/GeV}^2]$ Rivet 3.1.10, $\geq 300\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2
1
0.52
1
0.5 $m^{t\bar{t}} [\text{GeV}], H_T^{t\bar{t}} \text{ in } [780, 2500] [\text{GeV}]$ 