

13000 GeV pp

 $t\bar{t}$ η^l (ATLAS dileptonic $t\bar{t}$)

- ATLAS
- - ■ Pythia 6.425 default
- - * Pythia 6.425 pro-q2o

 $1/\sigma \, d^2\sigma / d\eta^l dm^{\text{emu}}$ 10^{-3} 10^{-4} 10^{-5} Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1759875

Ratio to ATLAS

2

1

0.5

2

1

0.5

Lepton $|\eta|$ times m^{emu}

0

1

2