

13000 GeV pp

 $t\bar{t}$ χ ($t\bar{t}\chi$) (ATLAS semileptonic $t\bar{t}\chi$)

- ATLAS
- - ■ Pythia 6.425 359
- - ▲ Pythia 6.425 a
- - ▼ Pythia 6.425 dw
- - ○ Pythia 6.425 p0
- - ☆ Pythia 6.425 pro-q2o

 $1/\sigma d^2\sigma / dN^{\text{jets}} d\chi^{\text{t}\bar{\text{t}}}$ 10^{-1} 10^{-2} 10^{-3} Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $\chi^{\text{t}\bar{\text{t}}}$ $N^{\text{jets}} \geq 7$