

13000 GeV pp

 $t\bar{t}$ χ ($t\bar{t}b\bar{a}$) (ATLAS semileptonic $t\bar{t}b\bar{a}$)

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.170 default
- - ◆ Sherpa 2.2.0 default

 $1/\sigma d^2\sigma/dN^{\text{jets}} d\chi^{\text{t}\bar{\text{t}}b\bar{\text{a}}}$ 10^{-1} 10^{-2} 10^{-3} Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

2

4

6

8

10