

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ longitudinal boost

- ATLAS
- ▲ Pythia 8.201 default
- ◆ Sherpa 2.2.4 default

 $d\sigma / d y_B^{t\bar{t}} \text{ [\{fb\}]}$ 10^5 10^4 10^3 10^2 Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $y_B^{t\bar{t}}$

0

0.5

1

1.5

2