

7000 GeV pp

Top (parton level)

 $\Delta\phi$  (ttbar) ( $p_{Ttt} < 50$ )

- Pythia 8.315 default
- Pythia 8.315 default-noFsr
- Pythia 8.315 default-noRap

 $10^3$  $10^2$ 

10

1

 $10^{-1}$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

(MC\_FBA\_TTBAR)

Ratio to Pythia 8.315 default

2

1

0.5

2

1

0.5

0

1

2

3