

1960 GeV ppbar

Top (parton level)

 $\Delta\phi$  (ttbar) ( $p_{Tt\bar{t}} < 50$  dy < 0)

- Pythia 8.308 default
- Pythia 8.308 default-noFsr
- Pythia 8.308 default-noRap

10<sup>2</sup>  
10  
1  
10<sup>-1</sup>  
10<sup>-2</sup>

Rivet 3.1.10,  $\geq 2.6$ M events

mcplots.cern.ch [arXiv:1306.3436]

(MC\_FBA\_TTBAR)

Ratio to Pythia 8.308 default

2

2

1

1

0.5

0.5

0

1

2

3

