

7000 GeV pp

Top (parton level)

$\Delta\phi$  (ttbar) (Mtt > 450)

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

10<sup>3</sup>  
10<sup>2</sup>  
10  
1  
2  
1  
0.5

Rivet 3.1.10, ≥ 2.1M events  
mcplots.cern.ch [arXiv:1306.3436]

(MC\_FBA\_TTBAR)

0 1 2 3

Ratio to Pythia 8.308 default