

1960 GeV ppbar

Top (parton level)

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

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

10<sup>2</sup>  
10  
1  
10<sup>-1</sup>  
10<sup>-2</sup>  
2  
1  
0.5  
Ratio to Pythia 8.315 default

Rivet 4.1.0, ≥ 100k events  
mcplots.cern.ch [arXiv:2401.10621]

(MC\_FBA\_TTBAR)

2  
1  
0.5

