

7000 GeV pp

Top (parton level)

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

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

 10^3 10^2

10

1

 10^{-1}

2

1

0.5

(MC_FBA_TTBAR)

Ratio to Pythia 8.315 default

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0

1

2

3