

7000 GeV pp

Top (parton level)

 $\Delta\phi$ (ttbar) ($p_{T_{tt}} > 50$)

- Pythia 8.209 default
- Pythia 8.209 default-noFsr
- Pythia 8.209 default-noRap

 10^2

10

1

2

1

0.5

0

1

2

3

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

(MC_FBA_TTBAR)

Ratio to Pythia 8.209 default

2

1

0.5

