

7000 GeV pp

Top (parton level)

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

- Pythia 8.212 default
- Pythia 8.212 tune-1
- Pythia 8.212 tune-2c
- Pythia 8.212 tune-2m

 10^2

10

1

(MC_FBA_TTBAR)

2

1

0.5

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

Ratio to Pythia 8.212 default

0

1

2

3