

1960 GeV ppbar

Top (parton level)

 $\Delta\phi$  (ttbar) (Mtt > 450 dy > 0)

- ▲— Pythia 8.308 default
- Pythia 8.308 tune-A14-CTEQL1
- - - Pythia 8.308 tune-A14-MSTW2008LO
- ⋯ Pythia 8.308 tune-A14-NNPDF2.3LO
- - △ - - Pythia 8.308 tune-CUETP8S1

Rivet 3.1.10, ≥ 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

(MC\_FBA\_TTBAR)

Ratio to Pythia 8.308 default

0.5

1

2

10<sup>-4</sup>10<sup>-3</sup>10<sup>-2</sup>10<sup>-1</sup>

10

10<sup>2</sup>

0

1

2

3

0.5

1

2