

13000 GeV pp

 $t\bar{t}$  $\Delta\phi$  (ttbar) (cms2018-ttbardif)

- CMS
- ▲ Pythia 8.315 default
- ▲ Pythia 8.315 default-noFsr
- ▲ Pythia 8.315 default-noRap

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

(CMS\_2018\_I1703993)

Ratio to CMS

