

1960 GeV ppbar

Top (parton level)

$\Delta\phi$  (ttbar) ( $d\gamma < 0$ )

$10^2$   
 $10$   
 $1$   
 $10^{-1}$   
 $10^{-2}$   
 $2$   
 $1$   
 $0.5$

- ▲ Pythia 8.308 default
- ▼ Pythia 8.308 vincia-default

Rivet 3.1.10,  $\geq 2.1$ M events  
mcplots.cern.ch [arXiv:1306.3436]

(MC\_FBA\_TTBAR)

2  
1  
0.5

0 1 2 3

Ratio to Pythia 8.308 default