

1960 GeV ppbar

Top (parton level)

 $\Delta\phi$  (ttbar) ( $M_{tt} > 450$  dy > 0)

- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- Herwig 7.2.1 softTune

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

(MC\_FBA\_TTBAR)

Ratio to Herwig++ 2.7.1 default

Y-axis (top):  $10^2$ , 10, 1,  $10^{-1}$ ,  $10^{-2}$ ,  $10^{-3}$ ,  $10^{-4}$ ,  $10^{-5}$

Y-axis (bottom): 2, 1, 0.5

