

7000 GeV pp

Top (parton level)

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

- Herwig++ 2.7.1 default
- Herwig 7.0.0 default
- Herwig 7.0.0 UE-MMHT

10<sup>3</sup>  
10<sup>2</sup>  
10  
1  
10<sup>-1</sup>  
2  
1  
0.5

Rivet 3.1.10, ≥ 400k events  
mcplots.cern.ch [arXiv:1306.3436]

(MC\_FBA\_TTBAR)

0 1 2 3

Ratio to Herwig++ 2.7.1 default

2  
1  
0.5

