

7000 GeV pp

Top (parton level)

 $M(t\bar{t}b\bar{a})$  ( $p_{Tt\bar{t}} < 50$   $dy < 0$ )

- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- Pythia 8.315 default

1  
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$

Rivet 4.1.0,  $\geq 100k$  events  
mcplots.cern.ch [arXiv:2401.10621]

(MC\_FBA\_TTBAR)

Ratio to Herwig++ 2.7.1 default

2  
1  
0.5

2  
1  
0.5

400

600

800

1000