

7000 GeV pp

Top (parton level)

 $M(t\bar{t}b\bar{a}) (d\gamma < 0)$ 

- Pythia 8.315 default
- Pythia 8.315 vincia-default

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(MC\_FBA\_TTBAR)

Ratio to Pythia 8.315 default

