

7000 GeV pp

Top (parton level)

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

Pythia 6.428 345

Pythia 6.428 346

Pythia 6.428 370

Pythia 6.428 ambt1

Pythia 6.428 z1

Pythia 6.428 z2

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(MC\_FBA\_TTBAR)

Ratio to Pythia 6.428 345

