

1960 GeV ppbar

Top (parton level)

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

Pythia 6.428 359

Pythia 6.428 370

Pythia 6.428 a

Pythia 6.428 dw

Pythia 6.428 p0

Pythia 6.428 pro-q20

 10^{-2} 10^{-3} 10^{-4} 10^{-5} 10^{-6} 10^{-7}

(MC_FBA_TTBAR)

Rivet 3.1.10, ≥ 2.3 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to Pythia 6.428 359

2

1

0.5

2

1

0.5

400

600

800

1000