

7000 GeV pp

Top (parton level)

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

- Pythia 6.425 atlas-csc
- Pythia 6.425 d6t
- Pythia 6.425 default
- Pythia 6.425 dw
- Pythia 6.425 p0

Rivet 3.1.10, $\geq 200k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to Pythia 6.425 atlas-csc

