

7000 GeV pp

 $t\bar{t}$ Gap fraction vs scalar veto scale($p_T^{\text{jets}} > 25 \text{ GeV}$)Rivet 3.1.10, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS

Herwig 7.2.1 default

Pythia 8.186 default

Sherpa 2.2.5 default

ATLAS_2012_I1094568

 f_{gap}

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0.1

Ratio to ATLAS

2

1

0.5

0.5

100

200

300

400

 $Q_{\text{sum}} [\text{GeV}]$