

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++ 2.6.1a default

Herwig 7.2.1 default

ATLAS\_2012\_I1094568

 $f_{\text{gap}}$ 

2

1.8

1.6

1.4

1.2

1

0.8

0.6

0.4

0.2

Ratio to ATLAS

2

1

0.5

2

1

0.5

100

200

300

400

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

100

200

300

400

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