

7000 GeV pp

 $t\bar{t}$ Gap fraction vs scalar veto scale($p_T^{\text{jets}} > 25 \text{ GeV}$)

ATLAS

Herwig++ 2.7.1 default

Herwig++ 2.7.1 UE-EE-5

Herwig 7.2.1 default

Rivet 3.1.10, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2012_I1094568

 f_{gap}

1.8

1.6

1.4

1.2

1

0.8

0.6

2

1

0.5

50

100

150

200

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

Ratio to ATLAS

2

1

0.5