

7000 GeV pp

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

ATLAS

Pythia 8.308 default

 f_{gap}

2

1.8

1.6

1.4

1.2

1

0.8

0.6

0.4

0.2

0

Rivet 3.1.10, 100k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2012_I1094568

Ratio to ATLAS

1

0.5

0.5

2

0.5

100

200

300

400

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

100

200

300

400

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