

Gap fraction

Gap fraction vs Veto scale(FB) ( $70 < p_T < 90$ ,  $4 < \Delta y < 5$ )

- ATLAS
- - □ Herwig 7.0.1 default
- - ▲ Pythia 8.135 default
- - ◆ Sherpa 1.2.3 default

2

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0

2

1

0.5

Rivet 3.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2011\_S9126244

Ratio to ATLAS

2

1

0.5

$Q_0$ [GeV]	ATLAS Gap Fraction	Herwig/Pythia/Sherpa Ratio to ATLAS
20	0.25	2.5
25	0.32	2.2
30	0.38	2.0
35	0.42	1.9
40	0.48	1.8
45	0.52	1.75
50	0.56	1.7
55	0.60	1.65
60	0.64	1.6
65	0.68	1.55
70	0.71	1.5
75	0.74	1.48
80	0.76	1.45
85	0.78	1.42
90	0.80	1.4

 $Q_0$  [GeV]