

7000 GeV pp

Jets

Gap fraction

Gap fraction vs Δy (FB) ($70 < p_T < 90$ ($Q_0 = \bar{p}_T$))

- ATLAS
- - □ Herwig 7.2.0 default
- - ◆ Sherpa 2.1.0 default

2

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

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

$|\Delta y|$

$ \Delta y $	ATLAS Gap Fraction	Herwig 7.2.0 Gap Fraction	Sherpa 2.1.0 Gap Fraction	Herwig 7.2.0 Ratio to ATLAS	Sherpa 2.1.0 Ratio to ATLAS
0.3	0.98	0.98	0.98	1.0	1.0
0.8	0.95	0.95	0.95	1.0	1.0
1.3	0.92	0.92	0.92	1.0	1.0
1.8	0.90	0.90	0.92	1.0	1.0
2.3	0.88	0.85	0.90	0.95	1.0
2.8	0.85	0.85	0.85	1.0	1.0
3.3	0.82	0.78	0.85	0.95	1.0
3.8	0.80	0.78	0.82	1.0	1.0
4.3	0.75	0.72	0.78	1.0	1.0
4.8	0.72	0.70	0.75	1.0	1.0
5.3	0.65	0.70	0.78	1.1	1.3
5.8	0.62	0.68	0.75	1.1	1.3