

7000 GeV pp

Jets

Gap fraction

Gap fraction vs Δy (LJ) ($120 < p_T < 150$)

- ATLAS
- - □ Herwig 7.2.0 default
- - ◆ Sherpa 1.3.1 default

2

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0

ATLAS_2011_S9126244

Rivet 3.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

0.5

0

2

4

6

$|\Delta y|$

0

2

4

6

$ \Delta y $	ATLAS Gap Fraction	Herwig 7.2.0 Gap Fraction	Sherpa 1.3.1 Gap Fraction	Ratio to ATLAS (Herwig)	Ratio to ATLAS (Sherpa)
0.3	0.95	0.95	0.95	1.0	1.0
0.8	0.85	0.85	0.82	1.0	0.98
1.3	0.75	0.75	0.75	1.0	1.05
1.8	0.65	0.65	0.60	1.0	0.95
2.3	0.58	0.62	0.55	1.05	0.92
2.8	0.50	0.50	0.45	1.0	0.88
3.3	0.45	0.35	0.38	0.8	0.85
3.8	0.38	0.38	0.45	1.0	1.3
4.3	0.30	0.30	0.30	1.1	1.1
4.8	0.28	0.32	0.08	1.2	0.4
5.3	0.32	0.68	0.45	2.1	1.5
5.8	0.18	0.35	-	2.1	1.8