

7000 GeV pp

Jets

Gap fraction

Gap fraction vs Δy (LJ) ($240 < p_T < 270$)

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.235 default
- - ◆ Sherpa 2.2.8 default

2

1.5

1

0.5

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

1

0.5

0

2

4

6

$|\Delta y|$

$ \Delta y $	ATLAS Gap Fraction	Herwig 7.2.0 Gap Fraction	Pythia 8.235 Gap Fraction	Sherpa 2.2.8 Gap Fraction	Herwig 7.2.0 Ratio to ATLAS	Pythia 8.235 Ratio to ATLAS
0.2	0.95	0.95	0.95	0.95	1.0	1.0
0.8	0.8	0.8	0.8	0.8	1.0	1.0
1.4	0.65	0.65	0.65	0.6	1.0	1.0
1.8	0.55	0.55	0.55	0.5	1.0	1.0
2.2	0.45	0.45	0.45	0.35	1.0	1.0
2.8	0.38	0.38	0.38	0.3	1.0	1.0
3.4	0.32	0.32	0.32	0.25	1.0	1.0
3.8	0.28	0.28	0.25	0.2	1.0	0.8
4.2	0.22	0.22	0.2	0.18	1.0	0.6
4.8	0.35	0.35	0.5	0.5	1.5	1.5
5.8	0.0	-	-	-	-	-