

Gap fraction

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.301 default
- - ◆ Sherpa 1.4.3 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 8.301 Gap Fraction	Sherpa 1.4.3 Gap Fraction	Ratio to ATLAS (Herwig)	Ratio to ATLAS (Pythia)
0.3	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
1.3	0.65	0.65	0.65	0.6	1.0	1.0
1.8	0.55	0.55	0.5	0.5	1.0	0.9
2.3	0.45	0.45	0.45	0.45	1.0	0.9
2.8	0.35	0.35	0.35	0.3	1.0	0.9
3.3	0.35	0.35	0.35	0.3	1.0	1.0
3.8	0.3	0.3	0.5	0.3	1.0	1.7
4.3	0.3	0.2	0.6	0.25	0.5	1.8
4.8	0.35	-	-	-	-	-
5.8	0.0	-	-	-	-	-