

Gap fraction

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

- ATLAS
- - □ Herwig 7.2.0 default
- - △ Pythia 6.428 370
- - ◆ Sherpa 2.1.1 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

0.5

0

2

4

6

$|\Delta y|$

$ \Delta y $	ATLAS Gap Fraction	Herwig 7.2.0 Gap Fraction	Pythia 6.428 Gap Fraction	Sherpa 2.1.1 Gap Fraction	Herwig 7.2.0 Ratio to ATLAS	Pythia 6.428 Ratio to ATLAS	Sherpa 2.1.1 Ratio to ATLAS
0.3	0.95	0.95	0.95	0.95	1.0	1.0	1.0
0.7	0.78	0.78	0.75	0.75	1.0	1.0	1.0
1.3	0.65	0.65	0.60	0.60	1.0	1.0	1.0
1.7	0.55	0.55	0.45	0.50	1.0	0.85	0.90
2.3	0.45	0.45	0.40	0.40	1.0	0.90	0.90
2.7	0.38	0.38	0.35	0.35	1.0	1.0	0.90
3.3	0.35	0.35	0.35	0.35	1.0	1.1	1.0
3.7	0.30	0.30	0.25	0.30	0.8	0.8	0.85
4.3	0.32	0.20	0.45	0.20	0.5	1.5	0.6
4.7	0.35	-	0.35	0.25	1.5	0.95	0.75
5.7	0.0	-	-	-	-	-	-