

Gap fraction

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.212 default
- - ◆ Sherpa 1.4.1 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

1

0.5

0

2

4

6

$|\Delta y|$

$ \Delta y $	ATLAS Gap Fraction	Herwig 7.2.0 Gap Fraction	Pythia 8.212 Gap Fraction	Sherpa 1.4.1 Gap Fraction	Herwig 7.2.0 Ratio to ATLAS	Pythia 8.212 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	0.6	0.6	1.0	0.95
1.8	0.55	0.55	0.55	0.5	1.0	1.0
2.2	0.45	0.45	0.45	0.45	1.0	1.0
2.6	0.35	0.35	0.35	0.35	1.0	0.85
3.0	0.35	0.35	0.35	0.35	1.0	1.0
3.4	0.3	0.3	0.3	0.3	1.0	1.0
3.8	0.3	0.3	0.3	0.3	0.9	1.0
4.2	0.35	0.2	0.45	0.1	0.55	1.5
4.6	0.35	-	0.4	0.15	-	1.2
5.8	0.0	-	-	-	-	-