

Gap fraction

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

- ATLAS
- Herwig 7.2.0 default
- △ Pythia 6.428 370
- ◇ 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

0.5

0

2

4

6

$|\Delta y|$

$ \Delta y $	ATLAS Gap Fraction	Herwig 7.2.0 default Gap Fraction	Pythia 6.428 370 Gap Fraction	Sherpa 2.2.8 default Gap Fraction	Ratio to ATLAS (Herwig)	Ratio to ATLAS (Pythia)	Ratio to ATLAS (Sherpa)
0.3	0.95	0.95	0.95	0.95	1.0	1.0	1.0
0.7	0.8	0.8	0.75	0.8	1.0	0.95	1.0
1.3	0.65	0.65	0.6	0.6	1.0	0.9	0.9
1.7	0.55	0.55	0.45	0.5	1.0	0.85	0.9
2.3	0.45	0.45	0.4	0.35	1.0	0.9	0.85
2.7	0.4	0.4	0.35	0.3	1.0	0.95	0.9
3.3	0.35	0.35	0.3	0.25	1.0	1.1	0.85
3.7	0.3	0.3	0.2	0.15	0.9	0.8	0.65
4.3	0.35	0.15	0.45	0.15	0.7	1.5	0.55
4.7	0.35	-	0.35	0.5	1.5	0.95	1.5
5.7	0.0	-	-	-	-	-	-