

Gap fraction

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.205 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 8.205 default Gap Fraction	Ratio to ATLAS (Herwig)	Ratio to ATLAS (Pythia)
0.2	0.95	0.95	0.95	1.0	1.0
0.7	0.78	0.80	0.78	1.0	1.0
1.3	0.65	0.65	0.60	1.0	0.95
1.7	0.55	0.55	0.55	1.0	1.0
2.2	0.45	0.45	0.48	1.0	1.0
2.7	0.38	0.38	0.35	0.95	0.9
3.2	0.35	0.35	0.35	0.95	1.0
3.7	0.32	0.30	0.30	0.9	1.0
4.2	0.32	0.18	0.45	0.55	1.5
4.7	0.35	-	0.40	-	1.2
5.7	0.0	-	-	-	-