

Gap fraction

Gap fraction vs  $\Delta y$  (LJ) ( $240 < p_T < 270$ )

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.150 default
- - ◆ 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 Gap Fraction	Pythia 8.150 Gap Fraction	Sherpa 2.2.8 Gap Fraction	Ratio to ATLAS
0.2	0.95	0.95	0.95	0.95	1.0
0.8	0.8	0.8	0.8	0.8	1.0
1.4	0.7	0.7	0.7	0.6	0.9
1.8	0.55	0.55	0.55	0.5	0.9
2.2	0.45	0.45	0.45	0.35	0.9
2.6	0.38	0.38	0.38	0.35	0.9
3.0	0.35	0.35	0.35	0.3	0.9
3.4	0.35	0.35	0.35	0.25	1.2
3.8	0.3	0.3	0.3	0.2	0.9
4.2	0.3	0.2	0.2	0.15	0.5
4.6	0.35	0.35	0.35	0.5	1.5
5.8	0.0	-	-	-	-