

Gap fraction

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.183 default
- - ◆ Sherpa 2.2.0 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 Ratio	Pythia 8.183 Ratio	Sherpa 2.2.0 Ratio
0.3	0.95	1.05	1.05	1.00
0.7	0.80	1.00	1.05	0.95
1.3	0.65	1.05	1.05	0.90
1.7	0.55	1.00	0.95	0.85
2.3	0.45	1.00	0.95	0.85
2.7	0.38	0.95	1.00	0.80
3.3	0.32	0.90	1.10	0.90
3.7	0.28	0.90	0.70	0.70
4.3	0.32	0.55	0.45	1.05
4.7	0.35	1.50	0.75	1.55
5.8	0.00	-	-	-