

Gap fraction

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.301 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 8.301 (Gap fraction)	Sherpa 1.4.1 (Gap fraction)
0.3	0.95	0.95	0.95	0.95
0.8	0.80	0.80	0.80	0.80
1.3	0.70	0.70	0.65	0.65
1.8	0.55	0.55	0.50	0.50
2.3	0.45	0.45	0.45	0.45
2.8	0.40	0.40	0.35	0.35
3.3	0.35	0.35	0.35	0.35
3.8	0.35	0.30	0.50	0.35
4.3	0.35	0.20	0.60	0.15
4.8	0.35	-	-	0.15
5.8	0.00	-	-	-