

Gap fraction

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.230 default
- - ◆ Sherpa 2.2.4 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 8.230 Ratio	Sherpa 2.2.4 Ratio
0.3	0.95	1.0	1.0	1.0
0.8	0.78	0.8	0.8	0.8
1.3	0.65	0.65	0.65	0.6
1.8	0.55	0.55	0.55	0.45
2.3	0.45	0.45	0.45	0.45
2.8	0.38	0.38	0.38	0.38
3.3	0.35	0.35	0.35	0.35
3.8	0.32	0.32	0.32	0.32
4.3	0.32	0.2	0.2	0.25
4.8	0.35	-	0.2	-
5.8	0.0	-	-	-