

Gap fraction vs  $\Delta y$  (LJ) ( $150 < p_T < 180$ )

Gap fraction

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.180 default
- - ◆ Sherpa 1.4.5 default

2.5

2

1.5

1

0.5

0

ATLAS\_2011\_S912624

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

$|\Delta y|$

0

$ \Delta y $	ATLAS (Gap fraction)	Herwig 7.2.0 (Gap fraction)	Pythia 8.180 (Gap fraction)	Sherpa 1.4.5 (Gap fraction)
0.3	0.95	0.95	0.95	0.95
0.8	0.85	0.85	0.85	0.85
1.3	0.75	0.75	0.75	0.75
1.8	0.65	0.65	0.65	0.65
2.3	0.55	0.55	0.55	0.55
2.8	0.45	0.55	0.60	0.45
3.3	0.40	0.35	0.50	0.45
3.8	0.35	0.50	0.20	0.25
4.3	0.35	0.30	0.30	0.35
4.8	0.25	0.60	0.35	0.55
5.3	0.25	0.65	0.00	1.00
5.8	0.15	0.70	0.00	0.00