

Gap fraction

Gap fraction vs  $\Delta y$  (FB) ( $210 < p_T < 240$  ( $Q_0 = \bar{p}_T$ ))

- ATLAS
- - □ Herwig 7.2.0 default
- - ◆ Sherpa 2.1.0 default

2

1.5

1

0.5

0

Rivet 3.1.0,  $\geq 100$ k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2011\_S9126244

Ratio to ATLAS

2

1

0.5

2

0.5

0 2 4 6

$|\Delta y|$

0

2

4

6

$ \Delta y $	ATLAS Gap Fraction	Herwig 7.2.0 default Gap Fraction	Sherpa 2.1.0 default Gap Fraction	Ratio to ATLAS
0.5	1.0	1.0	1.0	1.0
1.0	1.0	1.0	1.0	1.0
1.5	0.95	0.95	0.95	1.0
2.0	0.9	0.9	0.85	1.0
2.5	0.9	0.85	0.95	1.0
3.0	0.8	0.75	0.85	1.0
3.5	0.8	0.65	0.85	1.0
4.0	0.7	0.7	0.45	1.0
4.5	0.45	0.4	0.55	1.3
5.0	0.35	0.0	0.0	1.4
5.5	0.0	0.0	0.0	1.4