

Gap fraction

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.165 default
- - ◆ Sherpa 1.4.1 default

2.5

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

0.5

0

2

4

6

$|\Delta y|$

0

$ \Delta y $	ATLAS Gap Fraction	Herwig 7.2.0 Ratio	Pythia 8.165 Ratio	Sherpa 1.4.1 Ratio
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	0.95
2.0	0.95	0.95	0.95	0.95
2.5	0.9	0.85	0.9	0.9
3.0	0.85	0.75	0.85	0.85
3.5	0.8	0.65	0.8	0.8
4.0	0.7	0.65	0.35	0.85
4.5	0.45	0.4	0.75	0.55
5.0	0.3	0.4	0.75	0.55
5.5	0.3	0.4	0.75	0.55