

7000 GeV pp

Jets

Gap fraction

Gap fraction vs Δy (FB) ($240 < p_T < 270$ ($Q_0 = \bar{p}_T$))

- ATLAS
- - □ Herwig 7.1.4 default
- - ▲ Pythia 8.301 default
- - ◆ Sherpa 1.2.3 default

2.5

2

1.5

1

0.5

0

2

1

0.5

0

2

1

0.5

0

ATLAS_2011_S9126244

Rivet 3.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

 $|\Delta y|$

Ratio to ATLAS

2

1

0.5

$ \Delta y $	ATLAS (Gap fraction)	Herwig 7.1.4 (Gap fraction)	Pythia 8.301 (Gap fraction)	Sherpa 1.2.3 (Gap fraction)	Herwig 7.1.4 (Ratio to ATLAS)	Pythia 8.301 (Ratio to ATLAS)
0.3	1.0	1.0	1.0	1.0	1.0	1.0
0.8	0.95	0.95	0.95	0.95	1.0	1.0
1.3	0.9	0.9	0.95	0.95	1.0	1.0
1.8	0.9	0.85	0.9	0.9	0.95	1.0
2.3	0.85	0.85	0.9	0.95	1.0	1.0
2.8	0.85	0.9	0.9	0.85	1.0	1.0
3.3	0.8	0.8	0.8	0.85	0.95	1.0
3.8	0.75	0.7	0.7	0.75	0.9	0.9
4.3	0.7	0.5	0.75	0.7	0.75	1.1
4.8	0.6	0.45	0.35	0.65	0.75	0.6
5.3	0.45	0.5	0.5	0.5	1.3	1.3
5.8	0.2	0.2	0.2	1.0	2.0	2.0