

7000 GeV pp

Jets

Gap fraction

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.165 default
- - ◆ Sherpa 1.2.3 default

2.5

2

1.5

1

0.5

0

2

1

0.5

0

ATLAS_2011_S9126244

Rivet 3.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

 $|\Delta y|$

0

2

4

6

2

1

0.5

$ \Delta y $	ATLAS (Gap)	Herwig 7.2.0 (Gap)	Pythia 8.165 (Gap)	Sherpa 1.2.3 (Gap)	Herwig 7.2.0 (Ratio)	Pythia 8.165 (Ratio)
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	0.95	0.95	0.95	0.95	1.0	1.0
1.8	0.9	0.9	0.9	0.9	1.0	1.0
2.3	0.9	0.9	0.9	0.9	1.0	1.0
2.8	0.85	0.85	0.85	0.85	1.0	1.0
3.3	0.85	0.85	0.85	0.85	1.0	1.0
3.8	0.75	0.85	0.8	0.8	1.1	1.1
4.3	0.65	0.65	0.65	0.65	1.0	0.9
4.8	0.55	0.45	0.85	0.65	0.8	1.5
5.3	0.4	0.4	0.5	0.5	1.3	1.3
5.8	0.2	0.2	1.0	1.0	2.2	2.2