

7000 GeV pp

Jets

Gap fraction

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

- ATLAS
- △ Pythia 6.427 370
- - * Pythia 6.427 378
- - * Pythia 6.427 379

2.5

2

1.5

1

0.5

0

Rivet 3.1.0, $\geq 100k$ 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

$ \Delta y $	ATLAS (Gap Fraction)	Pythia 6.427 370 (Gap Fraction)	Pythia 6.427 378 (Gap Fraction)	Pythia 6.427 379 (Gap Fraction)
0.2	1.0	1.0	1.0	1.0
0.8	0.95	0.95	0.95	0.95
1.4	0.95	0.95	0.95	0.95
1.8	0.95	0.95	0.95	0.95
2.2	0.9	0.9	0.9	0.9
2.6	0.85	0.85	0.85	0.85
3.2	0.85	0.6	0.85	0.85
3.8	0.8	0.55	0.7	0.8
4.2	0.7	0.75	1.0	0.85
4.6	0.5	0.65	0.5	0.35
5.2	0.35	0.5	1.0	1.0
5.8	0.0	-	0.5	-