

7000 GeV pp

Jets

Gap fraction

Gap fraction vs Δy (FB) ($90 < p_T < 120$ ($Q_0 = \bar{p}_T$))

- ATLAS
- △ Pythia 6.428 370
- *-△ Pythia 6.428 378
- *-△ Pythia 6.428 379

2.5

2

1.5

1

0.5

0

2

1

0.5

Rivet 3.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2011_S9126244

2

Ratio to ATLAS

2

0.5

0

2

4

6

$|\Delta y|$

$ \Delta y $	ATLAS (Gap Fraction)	Pythia 6.428 370 (Gap Fraction)	Pythia 6.428 378 (Gap Fraction)	Pythia 6.428 379 (Gap Fraction)
0.5	1.0	1.0	1.0	1.0
1.0	0.95	0.95	0.95	0.95
1.5	0.9	0.9	0.9	0.9
2.0	0.85	0.85	0.85	0.85
2.5	0.8	0.85	0.8	0.8
3.0	0.8	0.85	0.8	0.8
3.5	0.8	0.75	0.75	0.75
4.0	0.75	0.75	0.75	0.75
4.5	0.65	0.65	0.65	0.65
5.0	0.6	0.75	0.5	1.0
5.5	0.55	0.65	1.0	1.0