

Gap fraction

Gap fraction vs Δy (FB) ($240 < p_T < 270$)

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 default
- ▲ Pythia 8.301 default

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

$|\Delta y|$

$ \Delta y $	ATLAS (Gap Fraction)	Pythia 6.428 370 (Gap Fraction)	Pythia 6.428 default (Gap Fraction)	Pythia 8.301 default (Gap Fraction)
0.2	0.95	0.90	0.90	0.90
0.6	0.75	0.70	0.80	0.80
1.0	0.60	0.55	0.65	0.65
1.4	0.50	0.45	0.55	0.50
1.8	0.45	0.40	0.50	0.45
2.2	0.40	0.35	0.45	0.40
2.6	0.35	0.30	0.40	0.35
3.0	0.30	0.25	0.35	0.30
3.4	0.25	0.20	0.30	0.35
3.8	0.20	0.15	0.25	0.35
4.2	0.15	0.25	0.40	0.30
4.6	0.15	0.25	-	-
5.8	0.00	-	-	-