

Gap fraction

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

- ATLAS
- △— Pythia 6.428 370
- - -■- - Pythia 6.428 default
- ▲— Pythia 8.130.p1 default

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

$|\Delta y|$

$ \Delta y $	ATLAS Gap Fraction	Pythia 6.428 370 Gap Fraction	Pythia 6.428 default Gap Fraction	Pythia 8.130.p1 default Gap Fraction	Ratio to ATLAS (ATLAS)	Ratio to ATLAS (Pythia 6.428 370)	Ratio to ATLAS (Pythia 6.428 default)	Ratio to ATLAS (Pythia 8.130.p1 default)
0.2	0.95	0.92	0.92	0.92	1.0	0.95	1.0	0.95
0.6	0.75	0.72	0.82	0.72	1.0	0.95	1.1	0.95
1.0	0.62	0.62	0.65	0.55	1.0	0.95	1.05	0.85
1.4	0.52	0.42	0.52	0.42	1.0	0.85	1.05	0.85
1.8	0.42	0.42	0.48	0.42	1.0	0.85	1.05	0.85
2.2	0.42	0.42	0.45	0.42	1.0	0.95	1.05	0.95
2.6	0.32	0.32	0.35	0.22	1.0	0.95	1.05	0.65
3.0	0.28	0.32	0.32	0.22	1.0	0.95	1.05	0.75
3.4	0.22	0.22	0.22	0.22	1.0	0.85	1.05	1.15
3.8	0.22	0.22	0.22	0.22	1.0	0.85	1.05	1.15
4.2	0.22	0.38	0.38	0.22	1.0	2.3	1.05	1.0
4.6	0.22	0.28	0.28	0.22	1.0	1.9	1.05	1.3