

Gap fraction

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

- ATLAS
- ▲ Pythia 8.226 default
- ▲ Pythia 8.226 default-noCR

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 8.226 default Gap Fraction	Pythia 8.226 default-noCR Gap Fraction	Ratio to ATLAS
0.2	1.0	1.0	1.0	1.0
0.6	0.95	0.9	0.95	1.0
1.0	0.95	0.95	0.95	1.0
1.4	0.9	0.9	0.9	1.0
1.8	0.85	0.85	0.85	1.0
2.2	0.85	0.8	0.85	0.9
2.6	0.8	0.75	0.9	0.85
3.0	0.8	0.75	0.8	0.9
3.4	0.75	0.65	0.7	0.8
3.8	0.7	0.4	0.65	0.95
4.2	0.65	0.35	0.65	0.95
4.6	0.45	0.25	0.5	1.15
5.0	0.3	-	-	1.4
5.4	0.0	-	-	1.7