

Gap fraction

Gap fraction vs Veto scale(FB) ( $70 < p_T < 90$ ,  $4 < \Delta y < 5$ )

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 391
- Pythia 6.428 default
- ▲ Pythia 8.205 default

Rivet 3.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2011\_S9126244

Ratio to ATLAS

0.5

1

2

0.2

0.4

0.6

0.8

1

1.2

1.4

1.6

1.8

2

20

40

60

80

 $Q_0$  [GeV]

0.5

1

2