

Gap fraction

Gap fraction vs Veto scale(LJ) ( $120 < p_T < 150$ ,  $4 < \Delta y < 5$ )

- ATLAS
- △ Pythia 6.427 370
- -○ Pythia 6.427 atlas-csc
- -\* Pythia 6.427 d6t
- -□ Pythia 6.427 default
- -▼ Pythia 6.427 dw
- -○ Pythia 6.427 p0

2

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0

2

2

1

1

1

1

1

1

1

1

1

1

1

0.5

Rivet 3.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

1

1

1

1

1

1

1

1

1

0.5

ATLAS\_2011\_S9126244

Ratio to ATLAS

 $Q_0$  [GeV]