

7000 GeV pp

Jets

Gap fraction vs Q_0 for $120 < \#P_T < 150$ $4 < |\Delta y| < 5$, Leading Jet

Gap fraction

Ratio to ATLAS

0.5

1

2

2.2

2

1.8

1.6

1.4

1.2

1

0.8

0.6

0.4

0.2

0

0

2

2

2

2

2

2

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2

2

2

2

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 391
- Pythia 6.428 default
- ▲ Pythia 8.315 default

(ATLAS_2011_I917526)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

50

100

 Q_0 [GeV]

0.5

1

2