

7000 GeV pp

Jets

Gap fraction vs  $Q_0$  for  $70 < \sqrt{s} < 90$   $2 < |\Delta y| < 3$ , Leading Jet

Gap fraction

Ratio to ATLAS

0.5

1

2

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0.0

2

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0.0

2

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0.0

20

40

60

80

100

 $Q_0$  [GeV]

ATLAS



Pythia 6.423 d6t



Pythia 6.423 default



Pythia 6.423 dw



Pythia 6.423 p0

(ATLAS\_2011\_I917526)

mcplots.cern.ch [arXiv:2401.10621]

Rivet 4.1.0,  $\geq 100k$  events