

7000 GeV pp

Jets

Gap fraction vs $|\Delta y|$ for $180 < \sum \overline{P}_T < 210$, Fwd/Bwd $Q_0 = \sum \overline{P}_T$

Gap fraction

Ratio to ATLAS

 $|\Delta y|$

2.4

2.2

2.0

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

- ATLAS
- ▲ Pythia 8.315 default
- Pythia 8.315 tune-2c
- Pythia 8.315 tune-2m

(ATLAS_2011_I917526)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

0

0

0

0

0

0

0

0

0

0

2

4

6

 $|\Delta y|$ 