

Gap fraction

Gap fraction vs  $|\Delta y|$  for  $150 < \sqrt{s} < 180$ , Fwd/Bwd

10  
1  
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$

- ATLAS
- ▲ Pythia 8.315 default
- ★ Pythia 8.315 tune-4c
- ◻ Pythia 8.315 tune-4cx

(ATLAS\_2011\_I917526)

Ratio to ATLAS

2  
1  
0.5

0

2

4

6

 $|\Delta y|$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5