

200 GeV ppbar

Soft QCD

b

Forward-backward correlation  $b$  vs. gap size  $\sqrt{s}=200$  GeV

- UA5
- ⊕ Epos 1.99.crmc.1.6.0 lhc
- Herwig 7.2.1 default
- △ Pythia 6.428 370
- ▲ Pythia 8.315 default
- ◆ Sherpa 1.4.5 default

1.2  
1  
0.8  
0.6  
0.4  
0.2  
0

(UA5\_1988\_I263399)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to UA5

2  
1  
0.5

2  
1  
0.5

0 2 4 6  
Central gap size  $\delta\eta$

