

546 GeV ppbar

Soft QCD

b

Forward-backward correlation b vs. gap size  $\sqrt{s}=546$  GeV

- UA5
- ▲ Pythia 8.315 default
- ▼ Pythia 8.315 tune-AU2
- ◇ Pythia 8.315 tune-AU2lox
- Pythia 8.315 tune-AU2loxx
- ★ Pythia 8.315 tune-AU2m

1.2

1

0.8

0.6

0.4

0.2

(UA5\_1988\_I263399)

0

2

Ratio to UA5

0.5

0

2

4

6

Central gap size  $\delta\eta$ Rivet 4.1.0,  $\geq 100$ k events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5