

$A_\mu$ Charge asymmetry vs  $\eta$  (muon channel)

- ATLAS
- △— Pythia 6.428 370
- - □ - - Pythia 6.428 391
- - ■ - - Pythia 6.428 default
- ▲— Pythia 8.170 default

0.7

0.6

0.5

0.4

0.3

0.2

0.1

0

ATLAS\_2011\_S9002537

Rivet 3.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

2

2

Ratio to ATLAS

1

0.5

1

0.5

0

0.5

1

1.5

2

 $|\eta_\mu|$ 