

900 GeV pp

Soft QCD

Charged Particle η Distribution ($N_{ch} > 1, p_T > 0.1$ GeV) $1/N_{ev} dN_{ch}/d\eta$

- ATLAS
- Pythia 6.428 350
- ▲ Pythia 6.428 351
- ▼ Pythia 6.428 352
- △ Pythia 6.428 353
- Pythia 6.428 354
- ☆ Pythia 6.428 355
- Pythia 6.428 356
- Pythia 6.428 357
- Pythia 6.428 358
- Pythia 6.428 359

Rivet 3.1.10, ≥ 2.8 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

0.5

1

2

0.5

1

2

-2

0

2

 η 