

7000 GeV pp

Soft QCD

Charged EF -- hard scattering events ($p_T > 3$ GeV), $\sqrt{s}=7$ TeV

- LHCb
- Pythia 6.428 350
- △— Pythia 6.428 370
- △— Pythia 6.428 380
- Pythia 6.428 p0
- - □ - - Pythia 6.428 p2010

Charged $1/N_{\text{int}} dE/d\eta$ [GeV]

500

400

300

200

100

0

Rivet 4.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb_2013_I1208105)

Ratio to LHCb

2

2

1

1

0.5

0.5

 η

2

3

4