

7000 GeV pp

Soft QCD

 $pT(D^0)$ ($y=4.0-4.5$)

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

 10^3 10^2

10

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb_2013_I1218996)

Ratio to LHCb

2

1

0.5

2

1

0.5

0

2

4

6