

7000 GeV pp

Soft QCD

Prompt D^0 + c.c. $d\sigma / dp_T$ for rapidity interval $3.0 < y < 3.5$

- LHCb
- Pythia 6.427 350
- △— Pythia 6.427 370
- Pythia 6.427 p0
- -□- - Pythia 6.427 p2010

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb_2013_I1218996)

Ratio to LHCb

0.5

2

2

1

0.5

 p_T [GeV]