

7000 GeV pp

Soft QCD

Prompt  $D^0$  + c.c.  $d\sigma / dp_T$  for rapidity interval  $2.0 < y < 2.5$ 

- LHCb
- ▲ Pythia 8.315 default
- - \* Pythia 8.315 tune-4c
- ... □ Pythia 8.315 tune-4cx

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb\_2013\_I1218996)

Ratio to LHCb

2

1

0.5

 $p_T$  [GeV]