

7000 GeV pp

Soft QCD

Prompt  $D^0 + \text{c.c.}$   $d\sigma / dp_T$  for rapidity interval  $4.0 < y < 4.5$ 

- LHCb
- ▲ Pythia 8.315 default
- -● Pythia 8.315 tune-2c
- -○ Pythia 8.315 tune-2m

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb\_2013\_I1218996)

Ratio to LHCb

0.5

1

2

0.5

1

2

 $p_T$  [GeV]