

7000 GeV pp

Soft QCD

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

- LHCB
- Pythia 6.428 346
- △ Pythia 6.428 347
- ◇ Pythia 6.428 348
- + Pythia 6.428 349
- △ Pythia 6.428 370

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCB\_2013\_I1218996)

Ratio to LHCB

0.5

2

2

1

0.5

 $p_T$  [GeV]