

7000 GeV pp

Soft QCD

 $\frac{d\sigma}{dy}$ [mb]Integrated cross sections for prompt D^0 (full y).

- ALICE
- ▲ Pythia 8.240 default
- - * Pythia 8.240 tune-4c
- ... □ Pythia 8.240 tune-4cx

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ALICE_2017_I1511870)

Ratio to ALICE

2

1

0.5

E = 7 TeV

10

8

6

4

2

2

1

0.5

6999.5

7000

7000.5