

7000 GeV pp

Soft QCD

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

- ALICE
- ▲ Pythia 8.315 default
- ◆ Sherpa 2.1.1 default

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