

7000 GeV pp

Soft QCD

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

- ALICE
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.243 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ALICE\_2017\_I1511870)

Ratio to ALICE

2

1

0.5

E = 7 TeV

2

1

0.5