

7000 GeV pp

Soft QCD

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

- ALICE
- ▲ Pythia 8.230 default
- -▼ Pythia 8.230 tune-AU2
- ·◇- Pythia 8.230 tune-AU2lox
- ·□- Pythia 8.230 tune-AU2loxx
- ·★- Pythia 8.230 tune-AU2m

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

6999.5

7000

7000.5