

7000 GeV pp

Soft QCD

 $\frac{d\sigma}{dy}$ [mb] $\sigma(D^0)$ (ALICE D-meson production)

- ALICE
- ▲ Pythia 8.212 default
- Pythia 8.212 tune-A14-CTEQL1
- - Pythia 8.212 tune-A14-MSTW2008LO
- ⋯ Pythia 8.212 tune-A14-NNPDF2.3LO
- -△ Pythia 8.212 tune-CUETP8S1

Rivet 3.1.10, ≥ 300k 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

