

7000 GeV pp

Soft QCD

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

- ALICE
- Pythia 6.428 350
- Pythia 6.428 351
- Pythia 6.428 352
- Pythia 6.428 353
- Pythia 6.428 354
- Pythia 6.428 355
- Pythia 6.428 356
- Pythia 6.428 357
- Pythia 6.428 358
- Pythia 6.428 359

Rivet 3.1.10, ≥ 2.3 M events

mcplots.cern.ch [arXiv:1306.3436]

ALICE_2017_I1511870

Ratio to ALICE

2

1

0.5

E = 7 TeV

12

10

8

6

4

2

2

1

0.5

6999.5

7000

7000.5

