

7000 GeV pp

Soft QCD

 $\frac{d\sigma}{dy} [\mu\text{b}]$ p_T -integrated σ for prompt D^+ production ($|y| < 0.5$).

- ALICE
- ▲ Pythia 8.235 default
- ▲ Pythia 8.235 default-noFsr
- ▲ Pythia 8.235 default-noRap

500

400

300

200

100

0

2

1

0.5

Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ALICE_2017_I1511870)

Ratio to ALICE

2

1

0.5

 $E = 7 \text{ TeV}$

6999.5

7000

7000.5