

7000 GeV pp

Soft QCD

mean  $p_T(D^0)$  (ALICE D-meson production)

- ALICE
- Herwig 7.2.1 default
- ▲ Pythia 8.170 default
- ...◆ Sherpa 2.2.9 default

Rivet 3.1.10,  $\geq 300k$  events

mcplots.cern.ch [arXiv:1306.3436]

ALICE\_2017\_I1511870

Ratio to ALICE

2

1

0.5

 $E = 7$  TeV