

900 GeV pp

Soft QCD

Cross section($M_T < 200 \text{ GeV}^2$)

- Pythia 8.315 default
- Pythia 8.315 tune-AU2
- Pythia 8.315 tune-AU2lox
- Pythia 8.315 tune-AU2loxx
- Pythia 8.315 tune-AU2m

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ALICE_2012_I1181770)

Ratio to Pythia 8.315 default

2

1

0.5

1000

1500

2000

2500

0.3

0.25

0.2

0.15

0.1

2

1

0.5