

7000 GeV pp

Soft QCD

Cross section($M_x < 200 \text{ GeV}^2$) $\sigma_{SD} [\text{mb}]$
 10^4
 10^3
 10^2
 10^1
 10^{-1}
 10^{-2}
 10^{-3}
 10^{-4}
 10^{-5}
 10^{-6}
 10^{-7}
 10^{-8}
 10^{-9}
 10^{-10}


ALICE



Herwig++ 2.5.2 default



Herwig 7.2.0 default



Pythia 8.301 default

ALICE_2012_I1181770

Ratio to ALICE

0.5

1

2

 $\sigma_{SD} [\text{mb}]$
 10^4
 10^3
 10^2
 10^1
 10^{-1}
 10^{-2}
 10^{-3}
 10^{-4}
 10^{-5}
 10^{-6}
 10^{-7}
 10^{-8}
 10^{-9}
 10^{-10}

0.5

1

2

sqrt{s} [GeV]

6999.5

7000

7000.5

Rivet 3.1.0, $\geq 5.4M$ events

mcplots.cern.ch [arXiv:1306.3436]