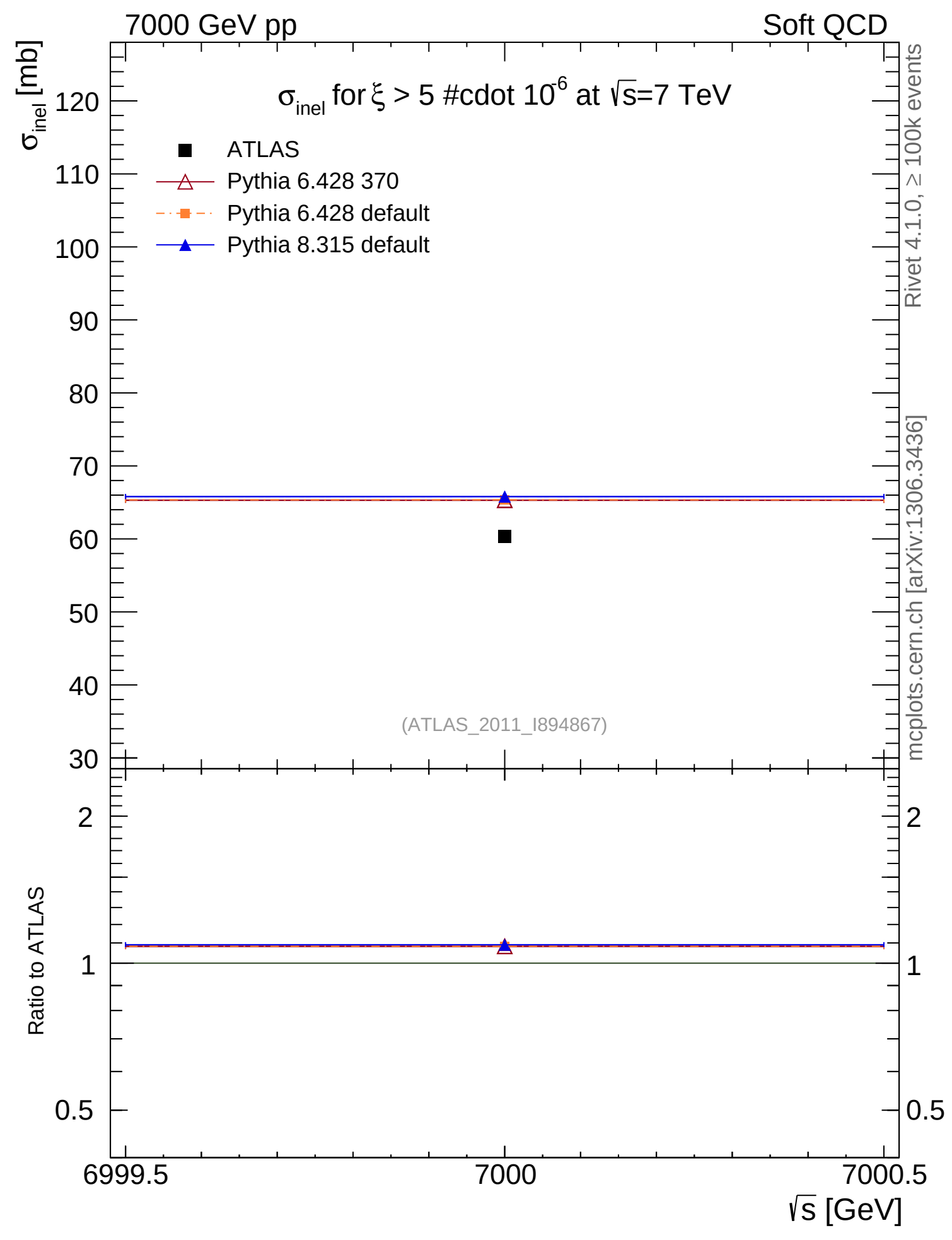
7000 GeV pp
Soft QCD
$\sigma_{inel}$ for $\xi > 5$ #cdot $10^{-6}$ at $\sqrt{s}$=7 TeV
$\sigma_{inel}$ [mb]
ATLAS
Pythia 6.428 370
Pythia 6.428 default
Pythia 8.315 default
(ATLAS_2011_I894867)
Rivet 4.1.0, ≥ 100k events
mcplots.cern.ch [arXiv:1306.3436]
Ratio to ATLAS
$\sqrt{s}$ [GeV]
120
110
100
90
80
70
60
50
40
30
2
1
0.5
6999.5
7000
7000.5