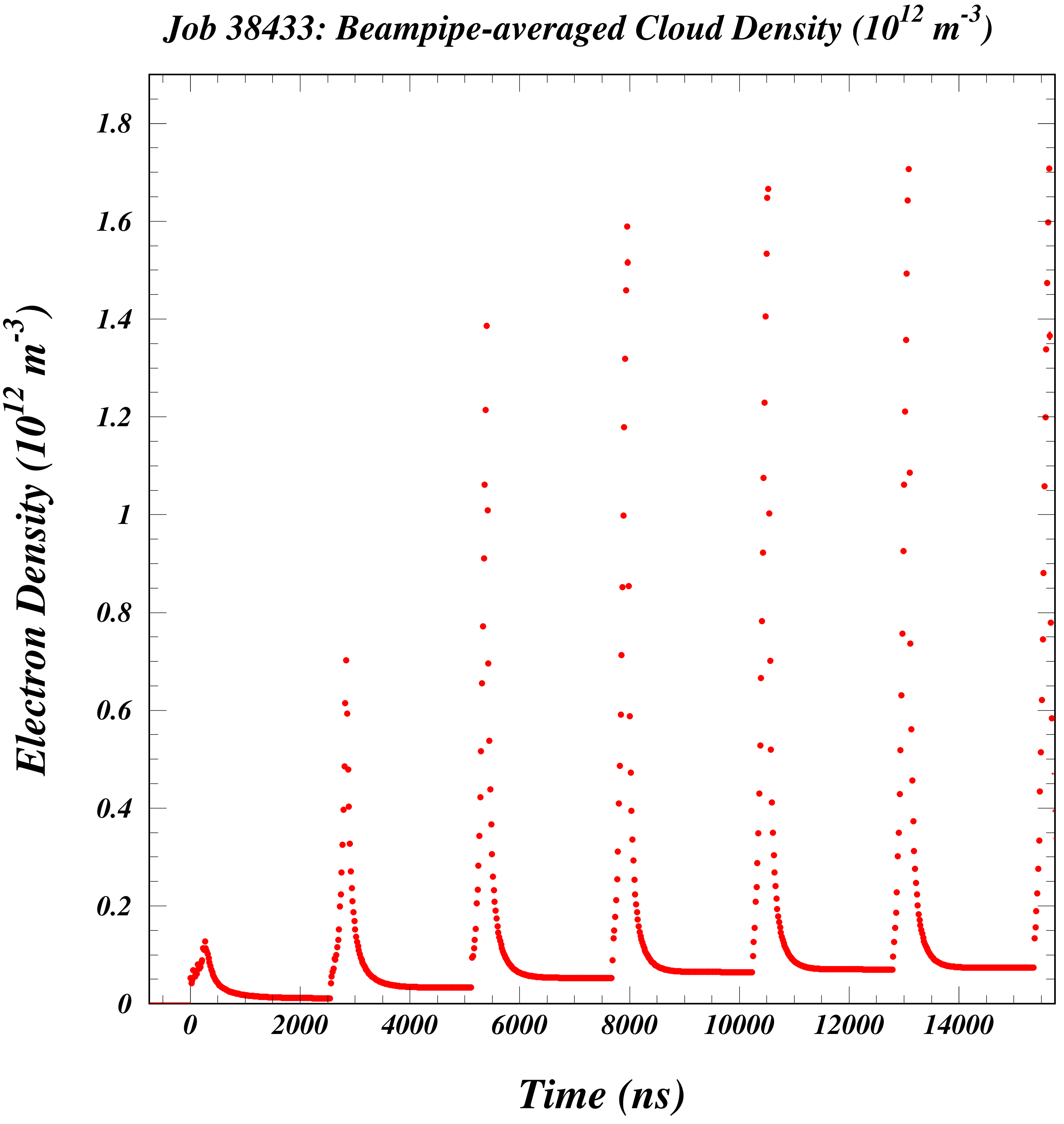
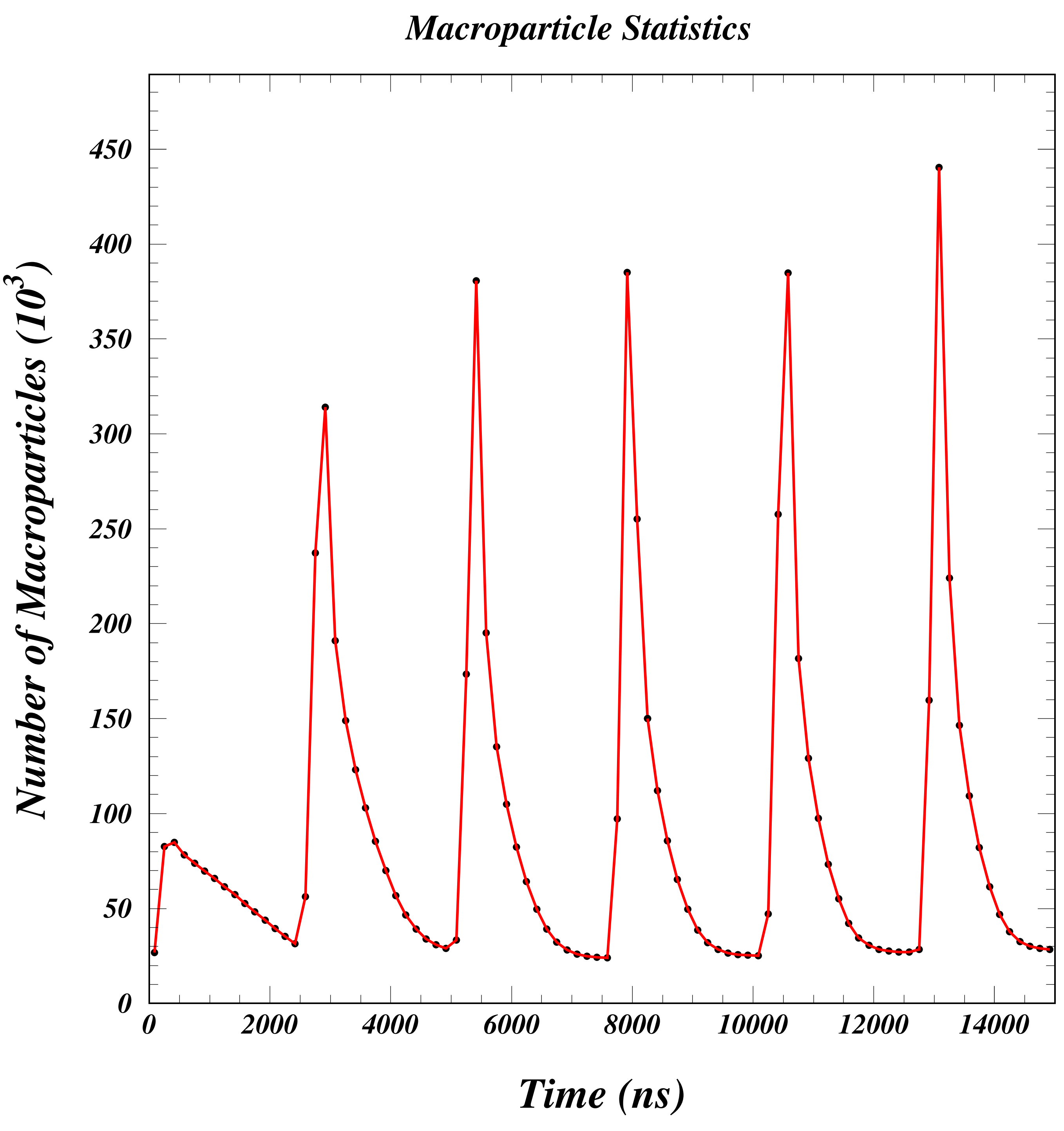
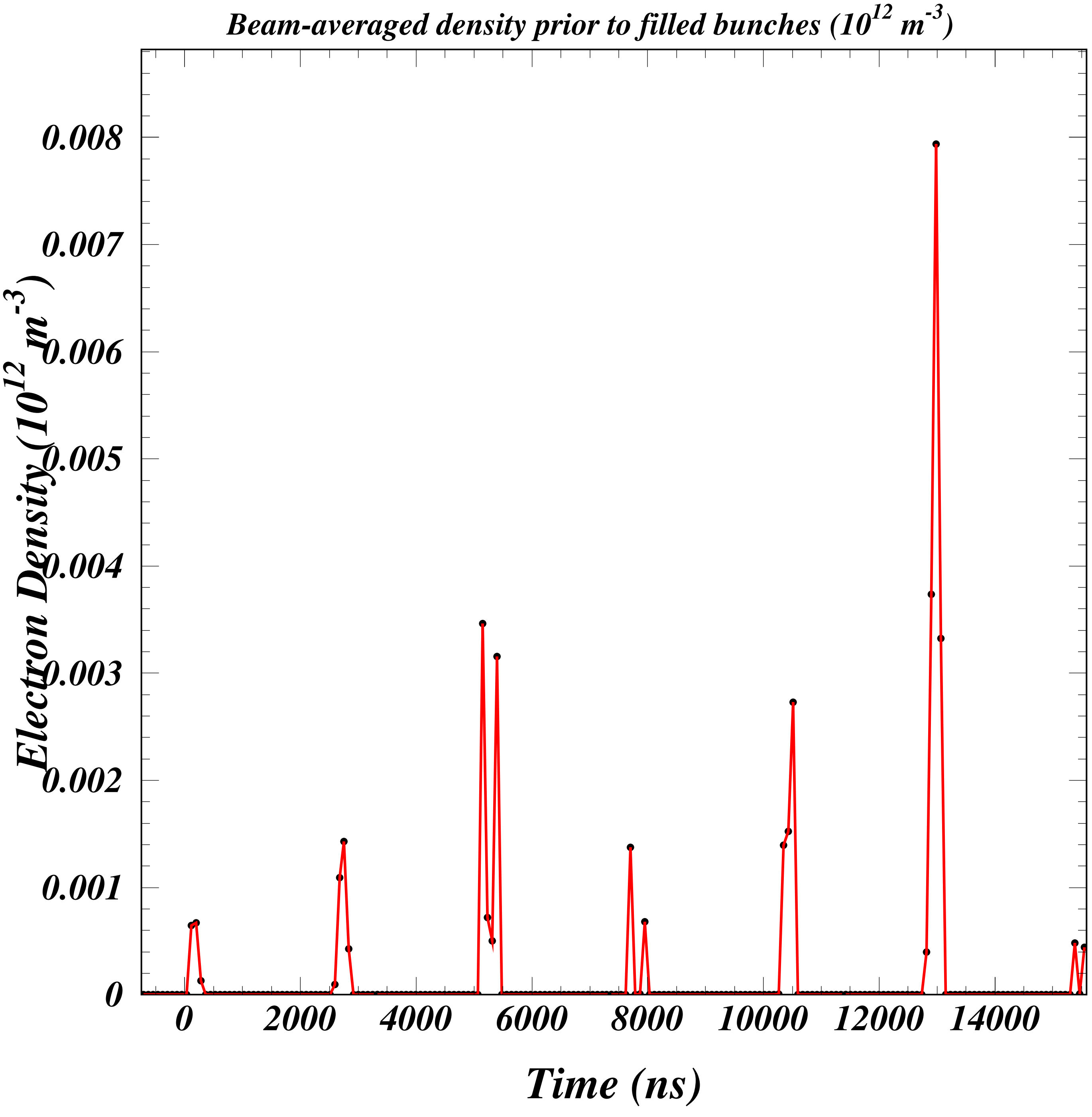
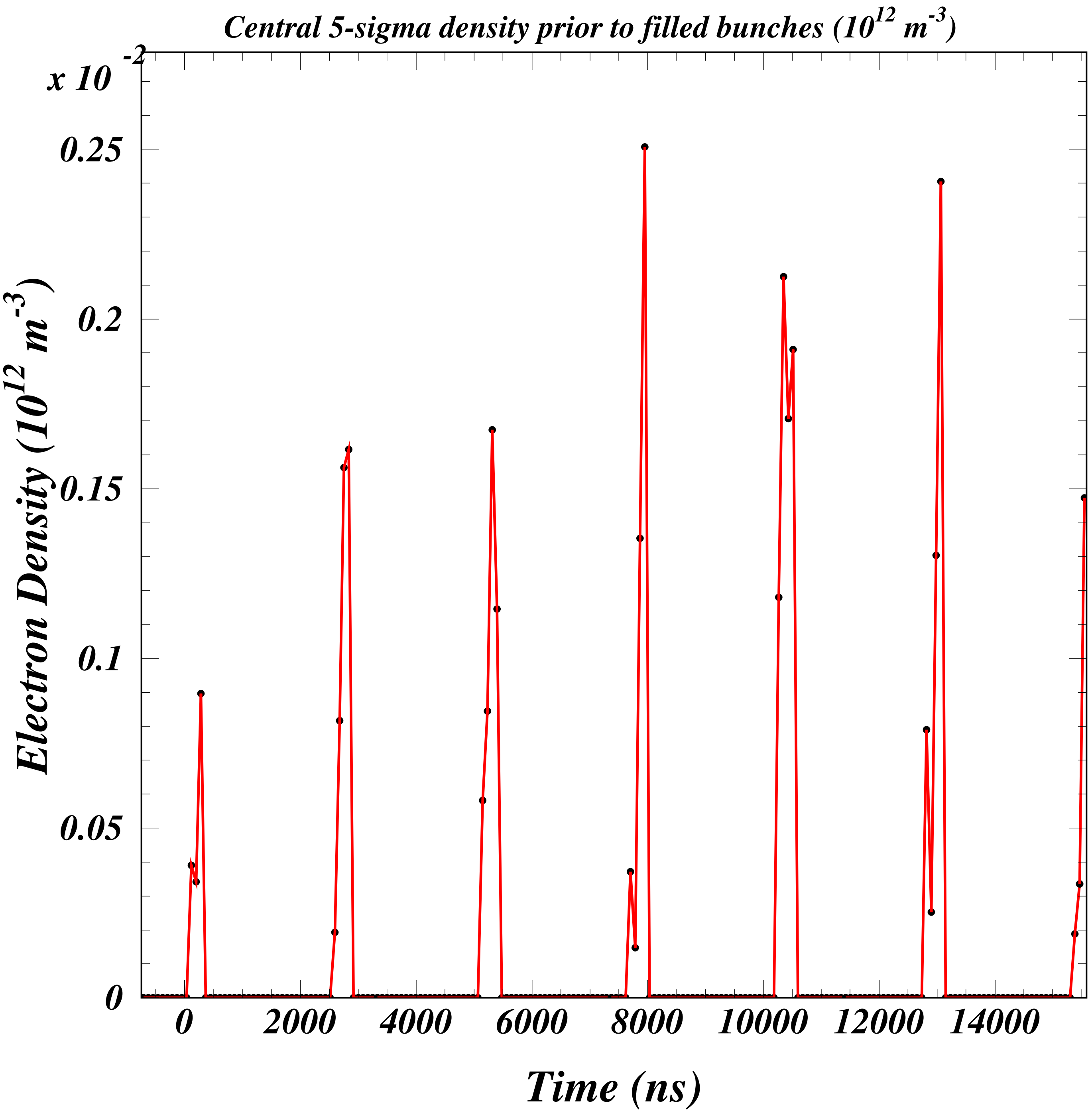

Job 38433: Beampipe-averaged Cloud Density (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
0
2000
4000
6000
8000
10000
12000
14000
Time (ns)

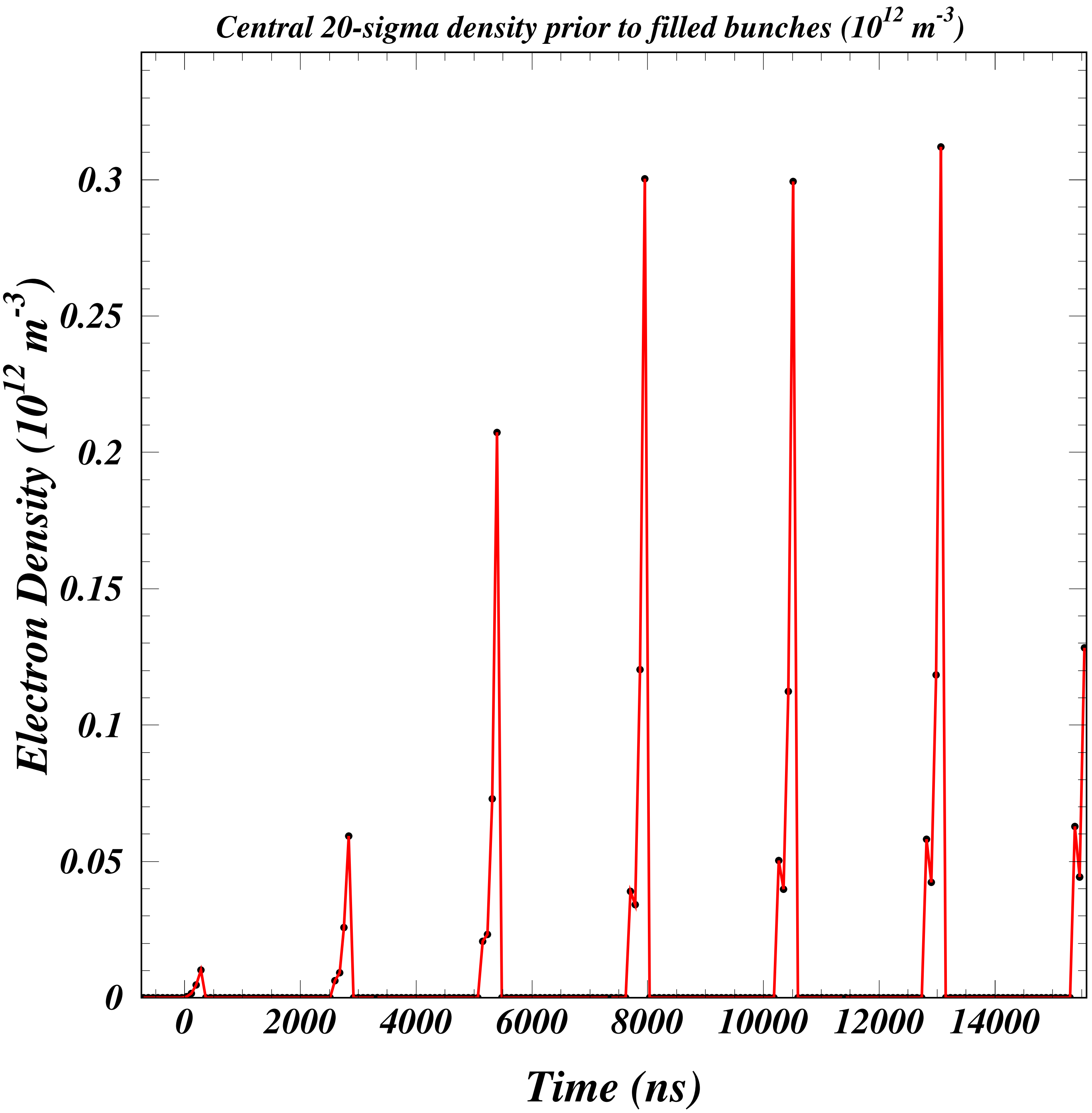

Macroparticle Statistics
Number of Macroparticles (10^3)
Time (ns)
0
50
100
150
200
250
300
350
400
450
0
2000
4000
6000
8000
10000
12000
14000


Beam-averaged density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0
0.001
0.002
0.003
0.004
0.005
0.006
0.007
0.008
0
2000
4000
6000
8000
10000
12000
14000
Time (ns)



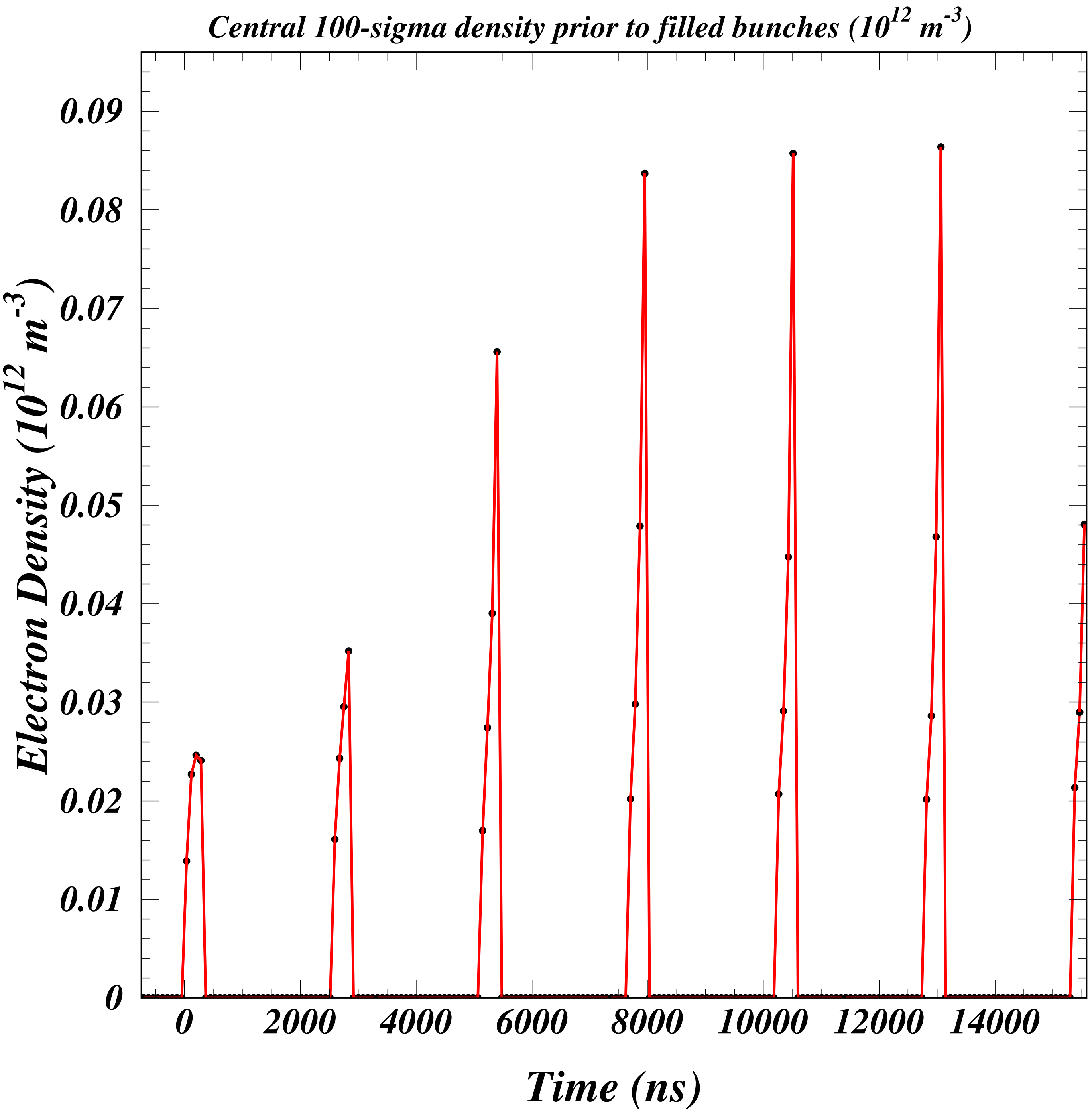
Central 5-sigma density prior to filled bunches (10^{12} m^{-3})
x 10^{-2}
0.25
0.2
0.15
0.1
0.05
0
Electron Density (10^{12} m^{-3})
0
2000
4000
6000
8000
10000
12000
14000
Time (ns)

14/08/19 15.49



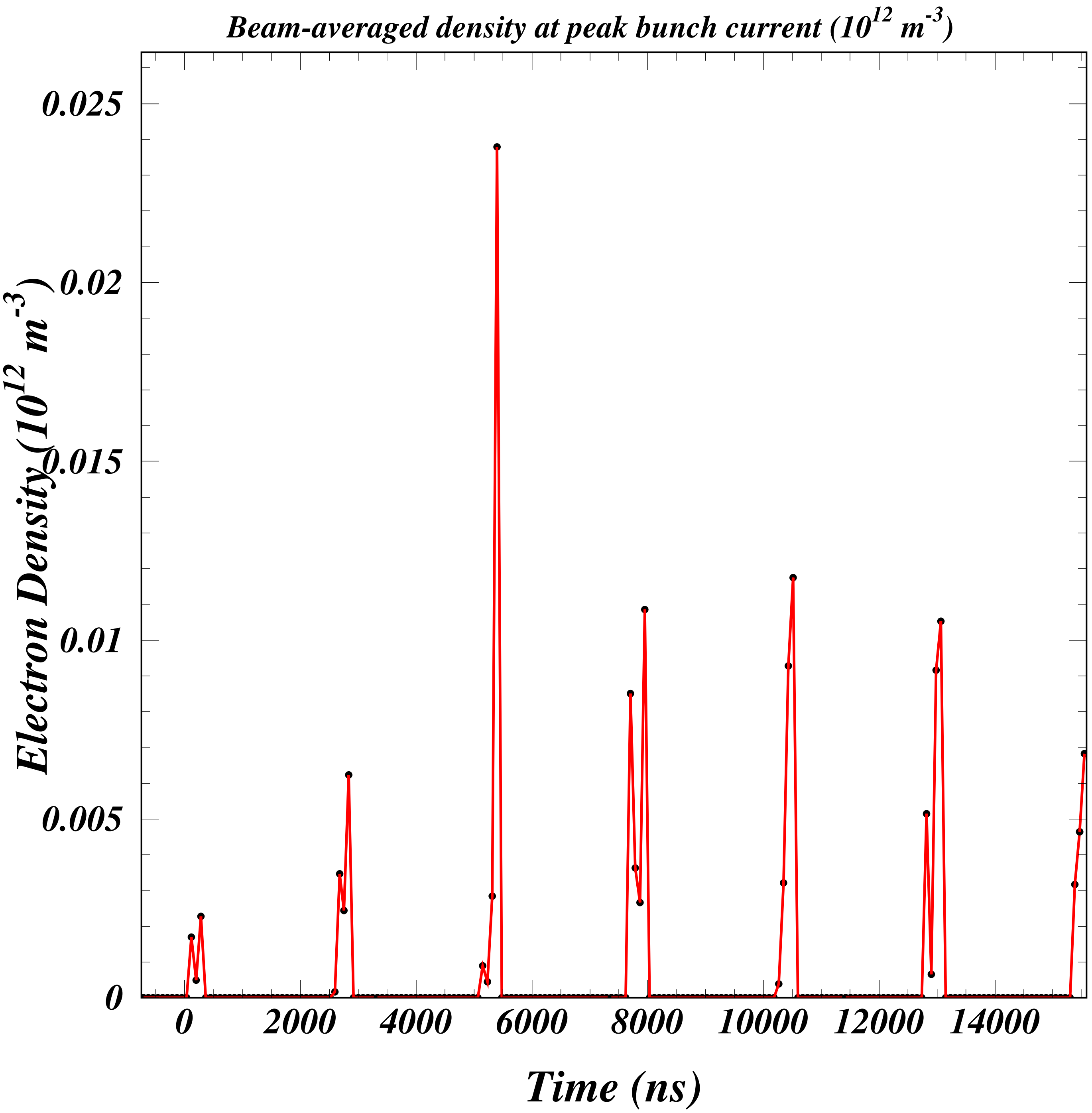
Central 20-sigma density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0
0.05
0.1
0.15
0.2
0.25
0.3
0
2000
4000
6000
8000
10000
12000
14000
Time (ns)

14/08/19 15.49

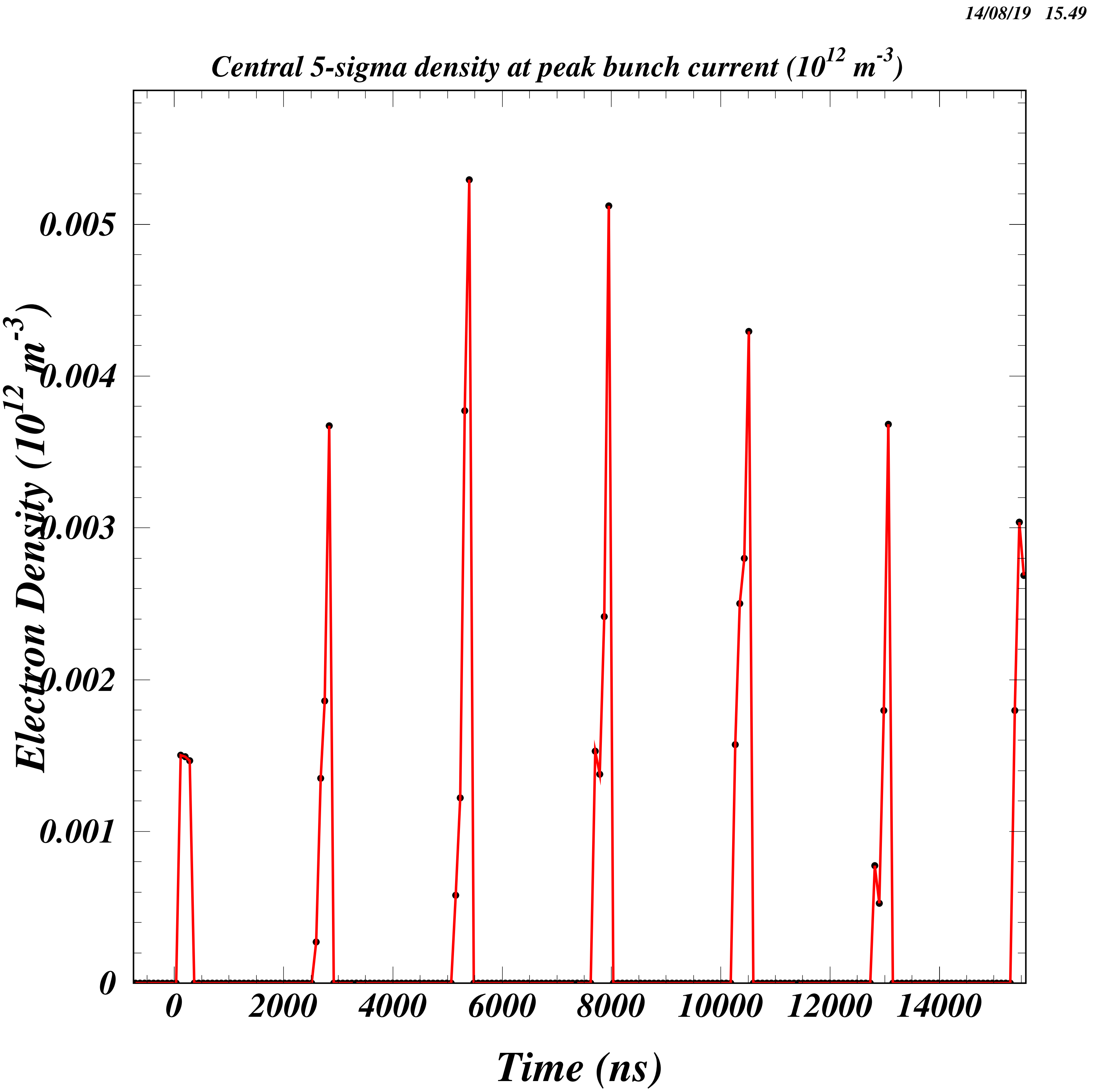


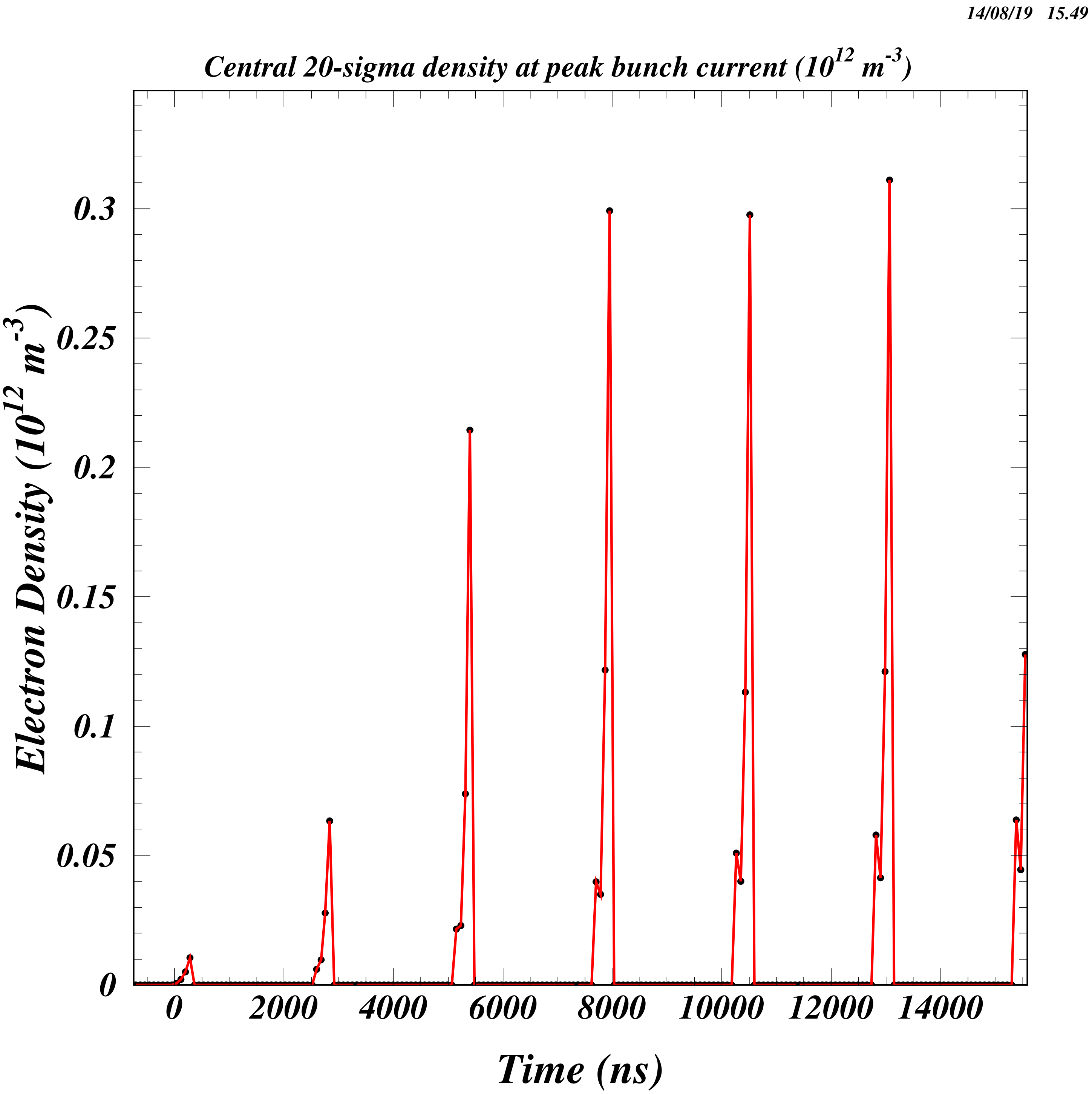
Central 100-sigma density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0
2000
4000
6000
8000
10000
12000
14000
Time (ns)

14/08/19 15.49

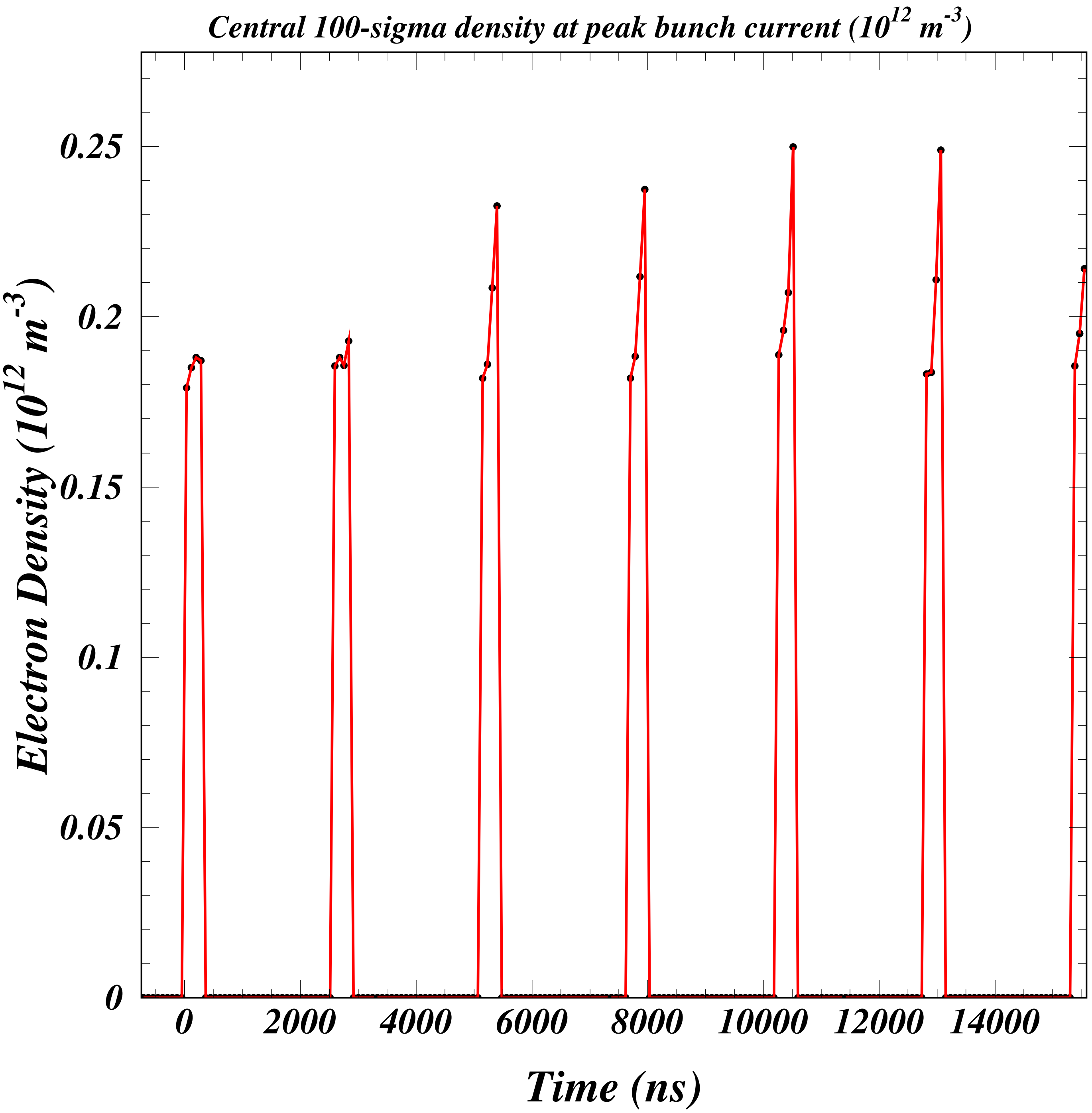


Beam-averaged density at peak bunch current (10^{12} m^{-3})
0.025
0.02
0.015
0.01
0.005
0
Electron Density (10^{12} m^{-3})
0
2000
4000
6000
8000
10000
12000
14000
Time (ns)


14/08/19 15.49
Central 5-sigma density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0.005
0.004
0.003
0.002
0.001
0
0
2000
4000
6000
8000
10000
12000
14000
Time (ns)


14/08/19 15.49
Central 20-sigma density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0
0.05
0.1
0.15
0.2
0.25
0.3
0
2000
4000
6000
8000
10000
12000
14000
Time (ns)

14/08/19 15.49



Central 100-sigma density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0.25
0.2
0.15
0.1
0.05
0
0
2000
4000
6000
8000
10000
12000
14000
Time (ns)