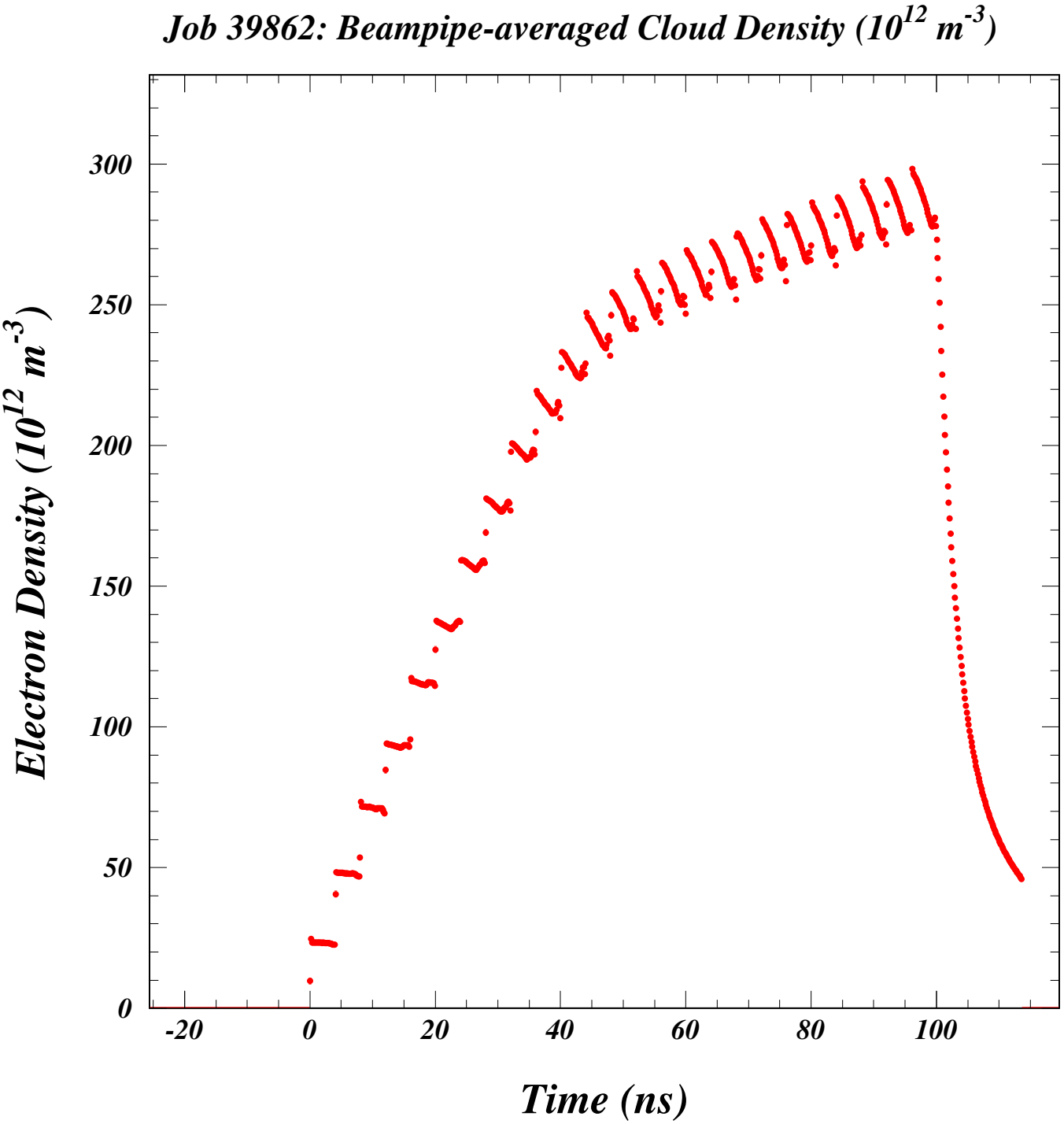
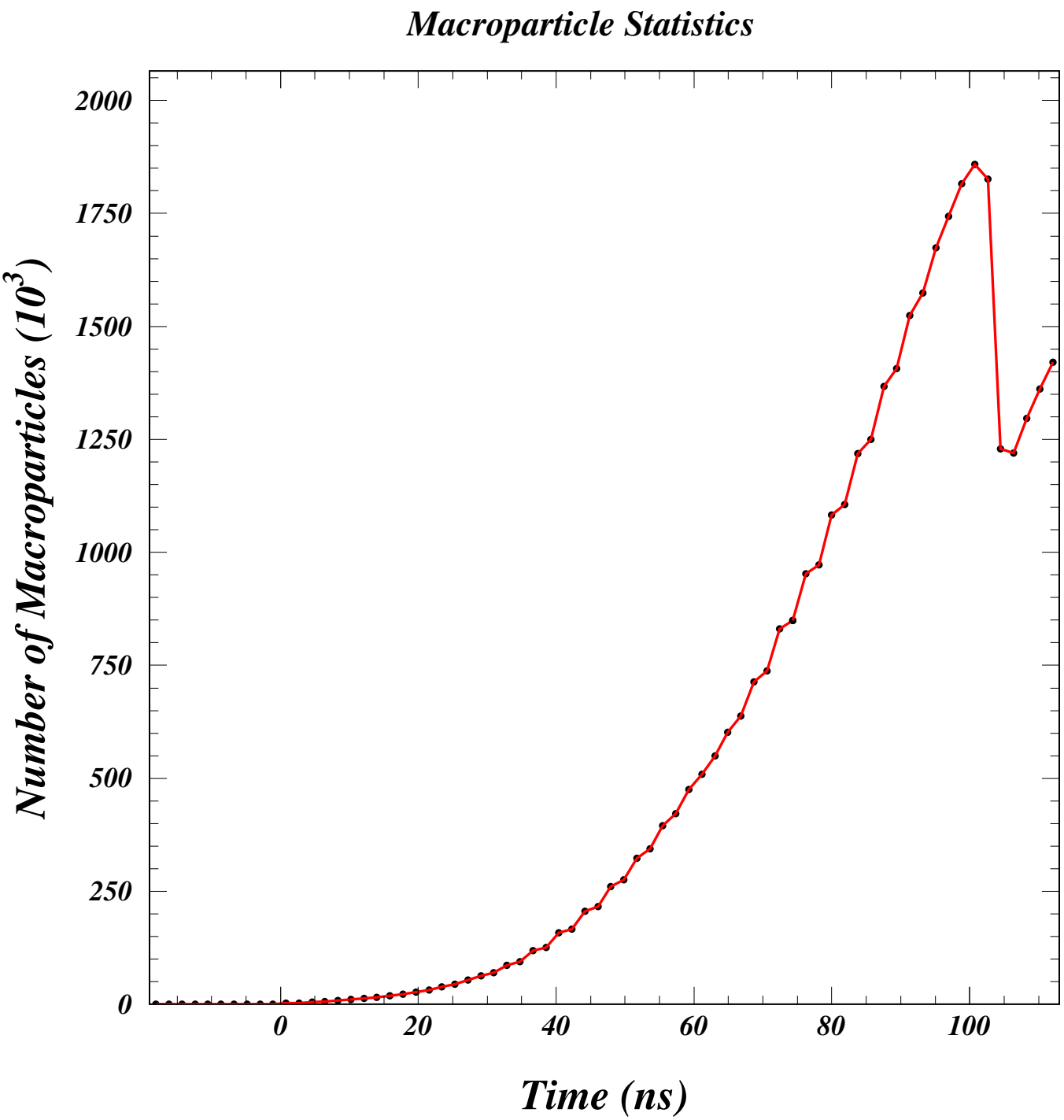
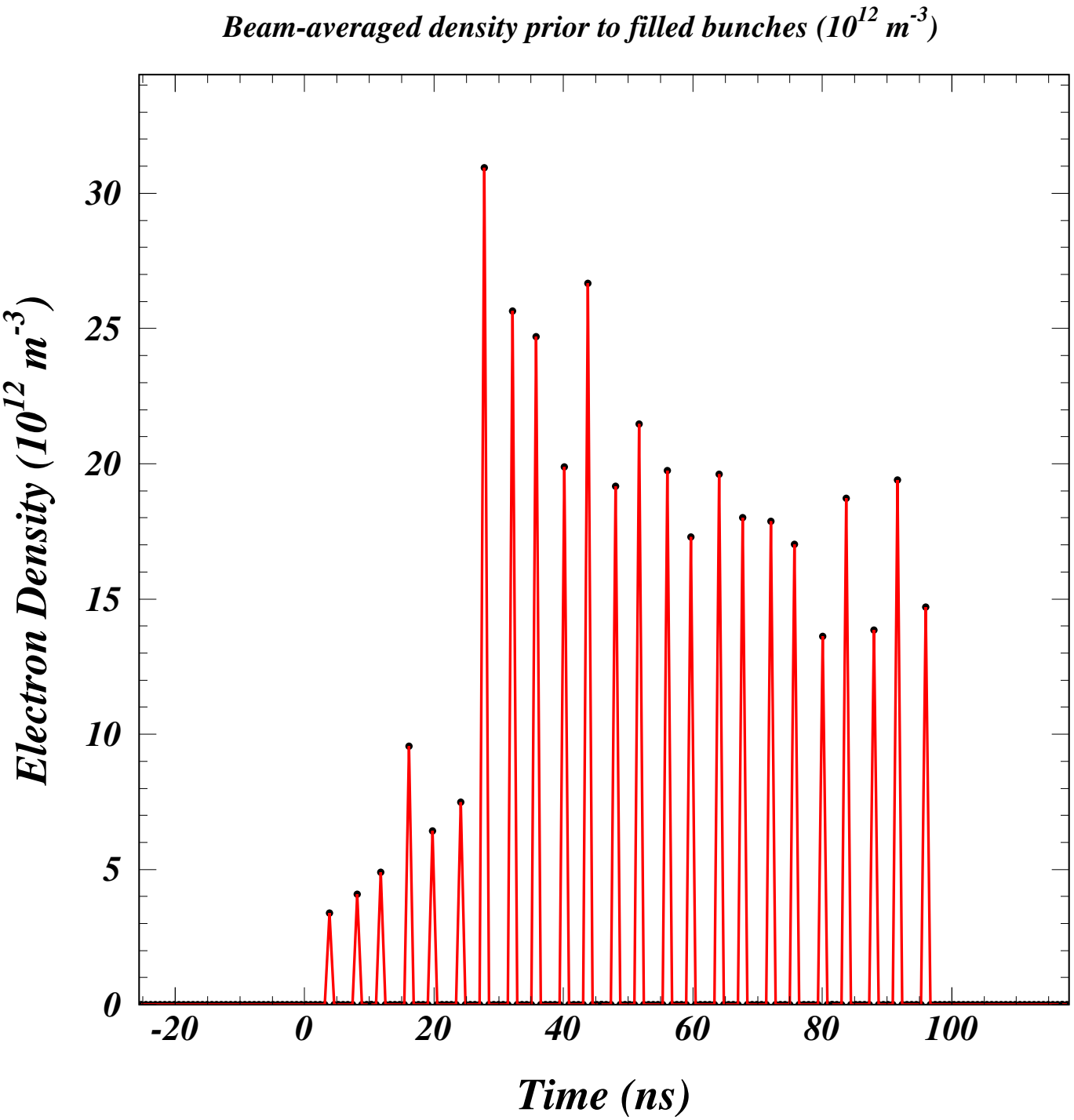
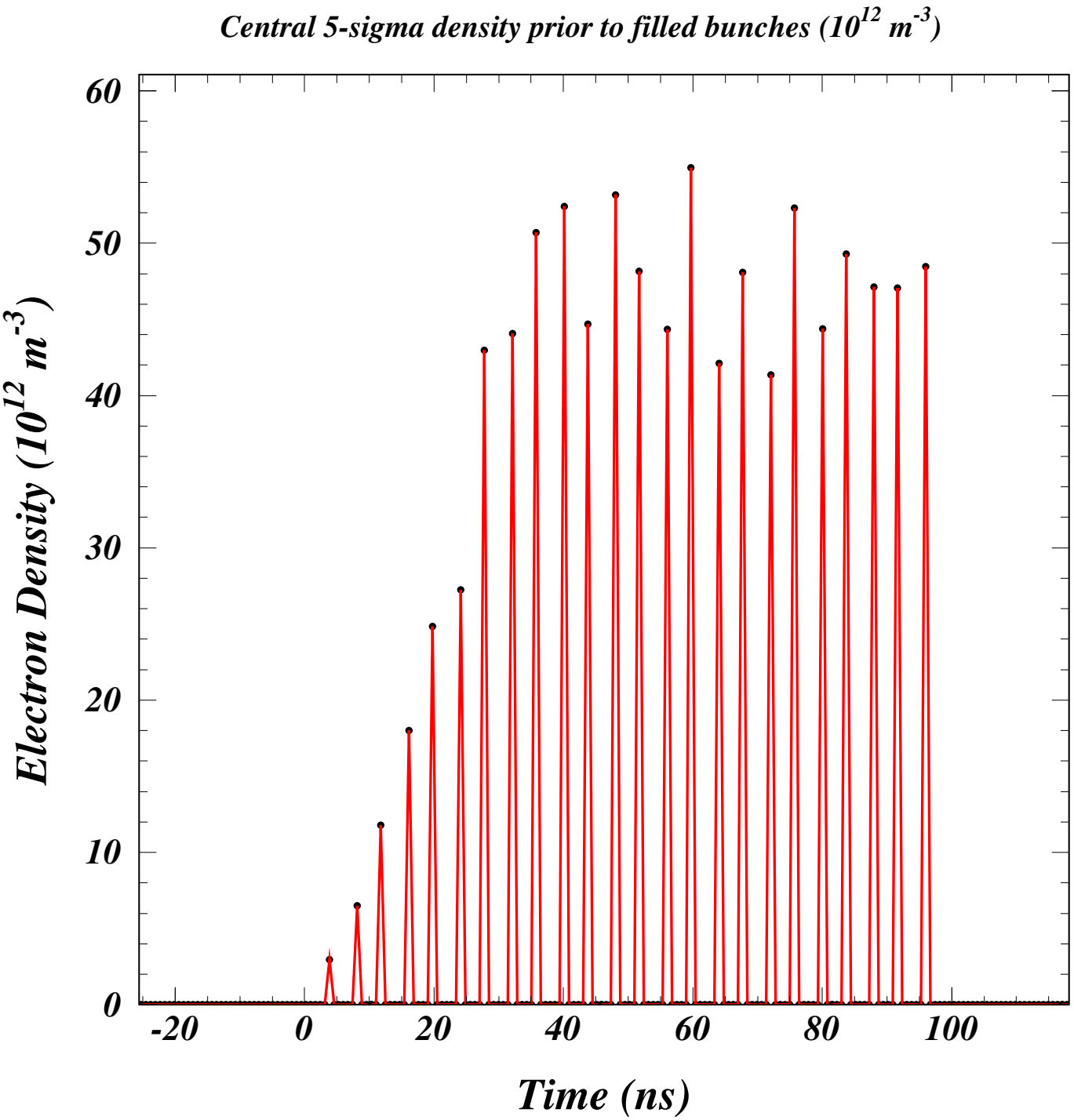
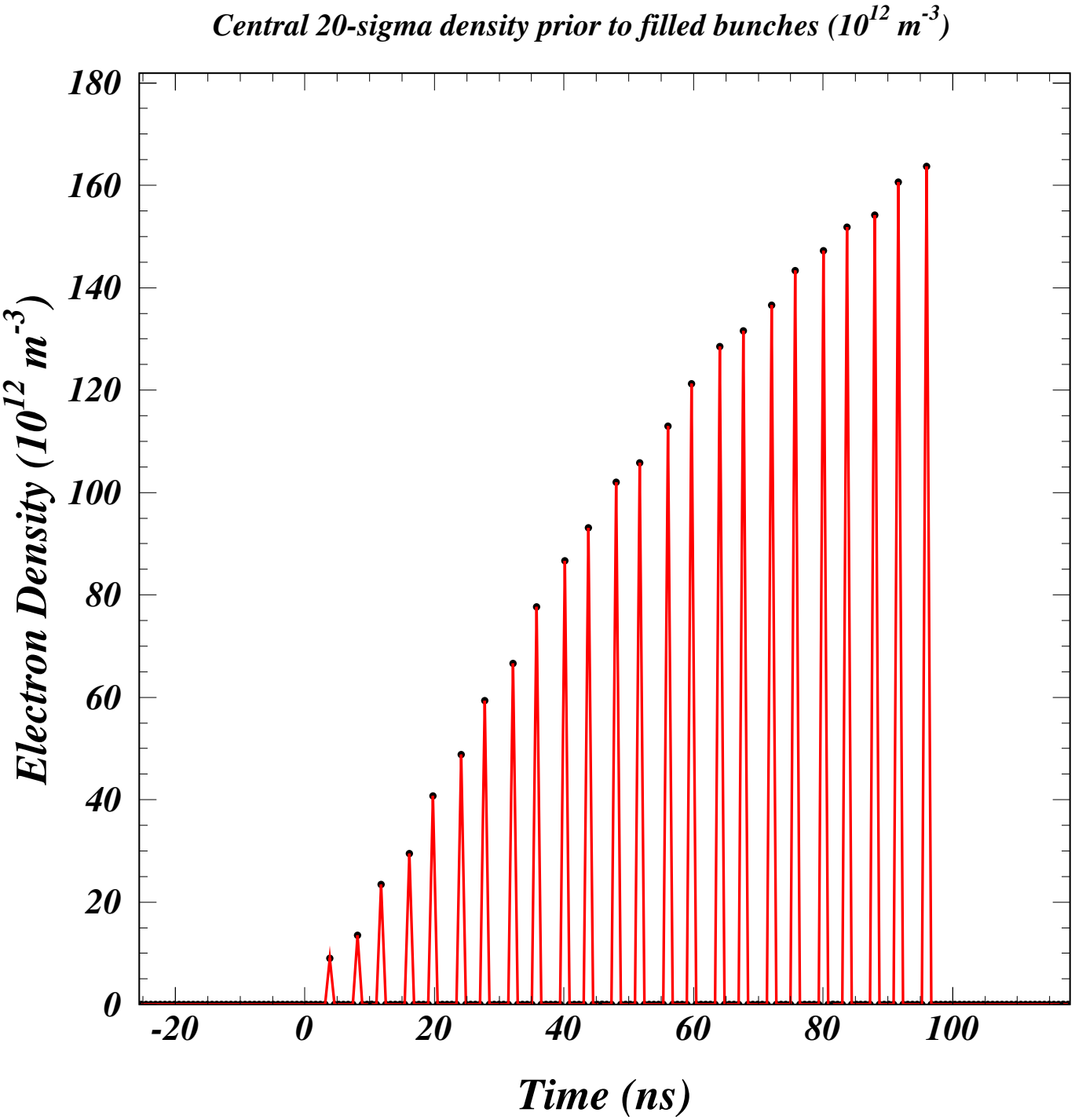
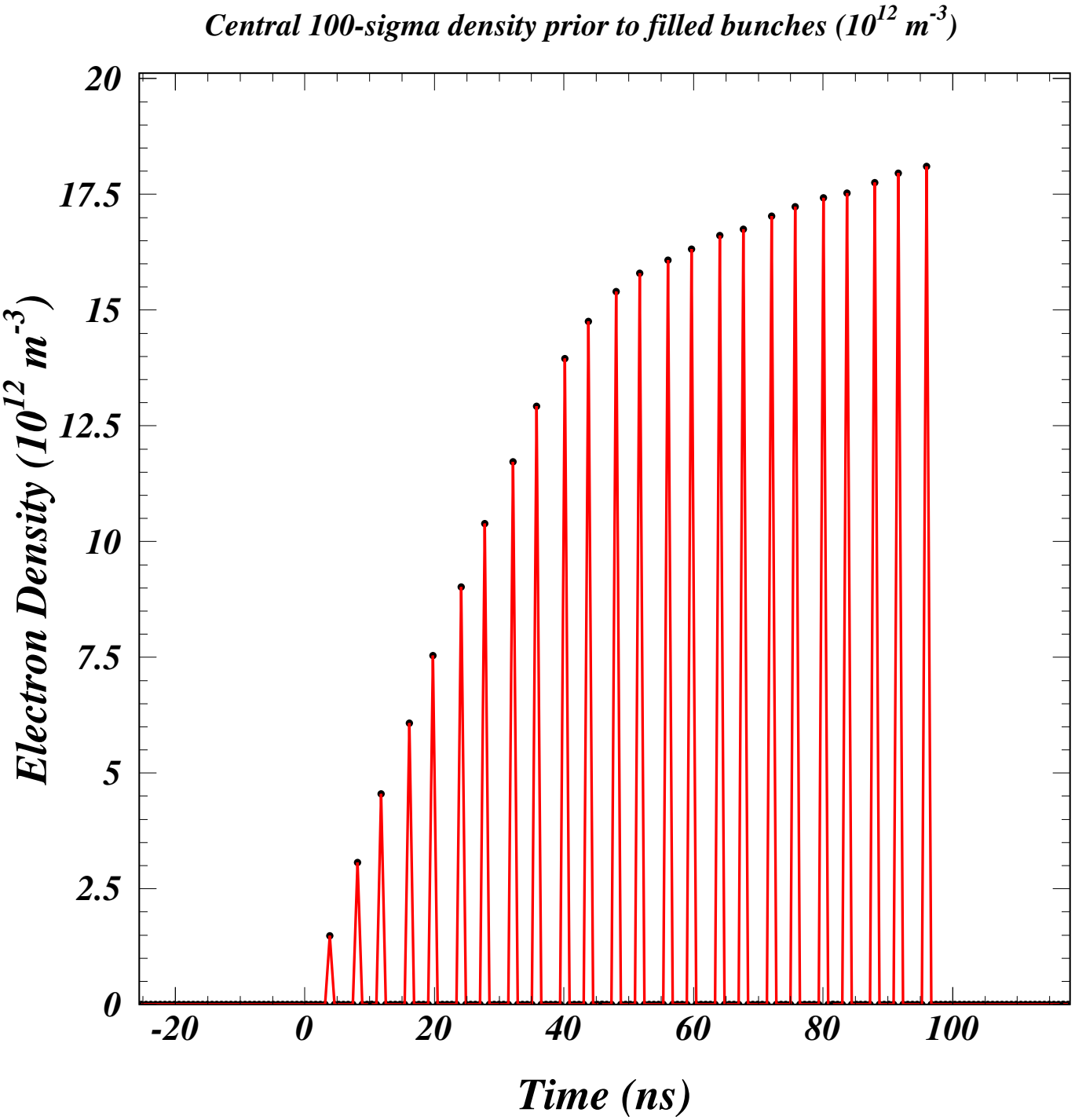

Job 39862: Beampipe-averaged Cloud Density (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
300
250
200
150
100
50
0
-20
0
20
40
60
80
100
Time (ns)

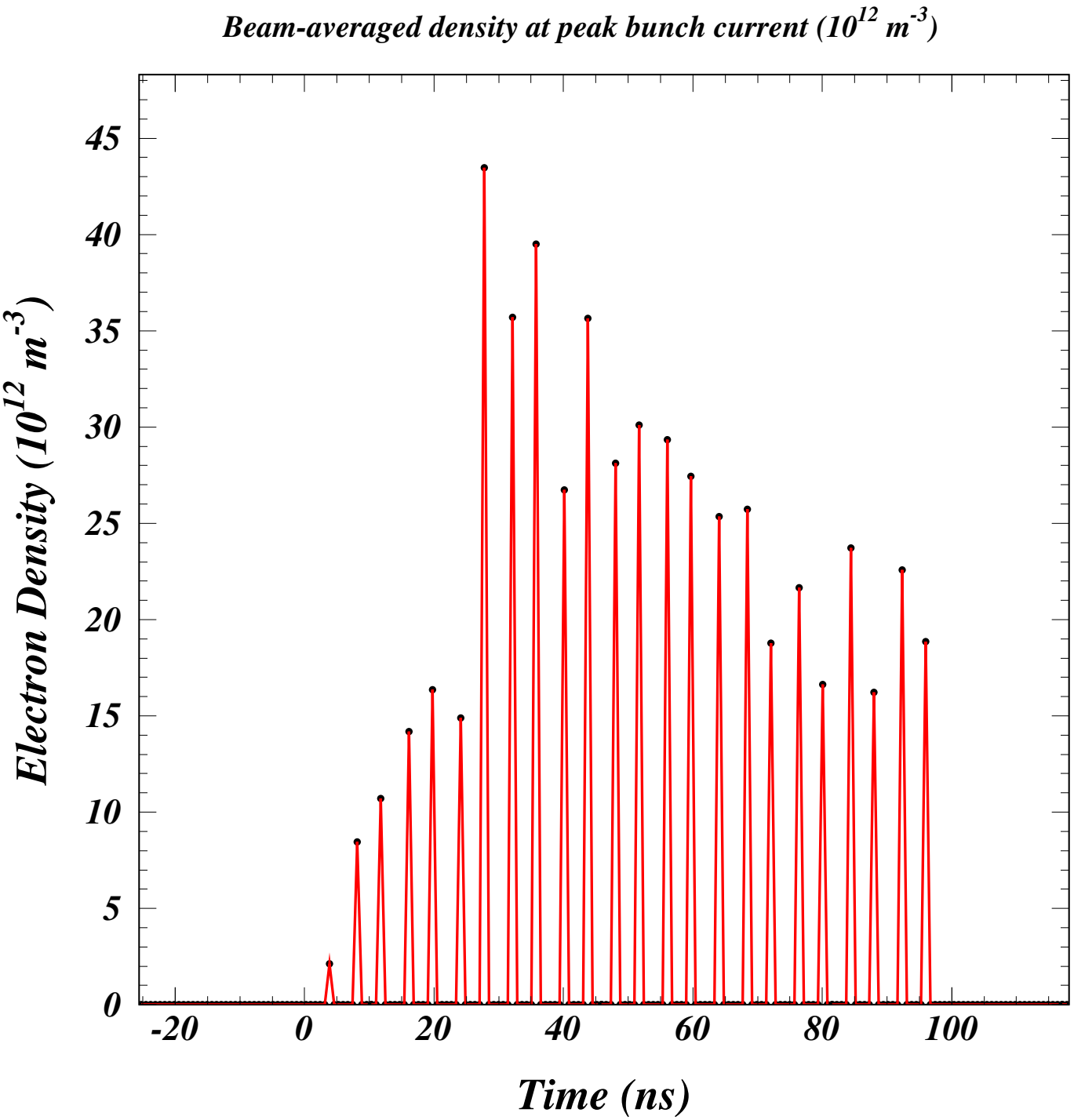

Macroparticle Statistics
Number of Macroparticles (10^3)
2000
1750
1500
1250
1000
750
500
250
0
0
20
40
60
80
100
Time (ns)

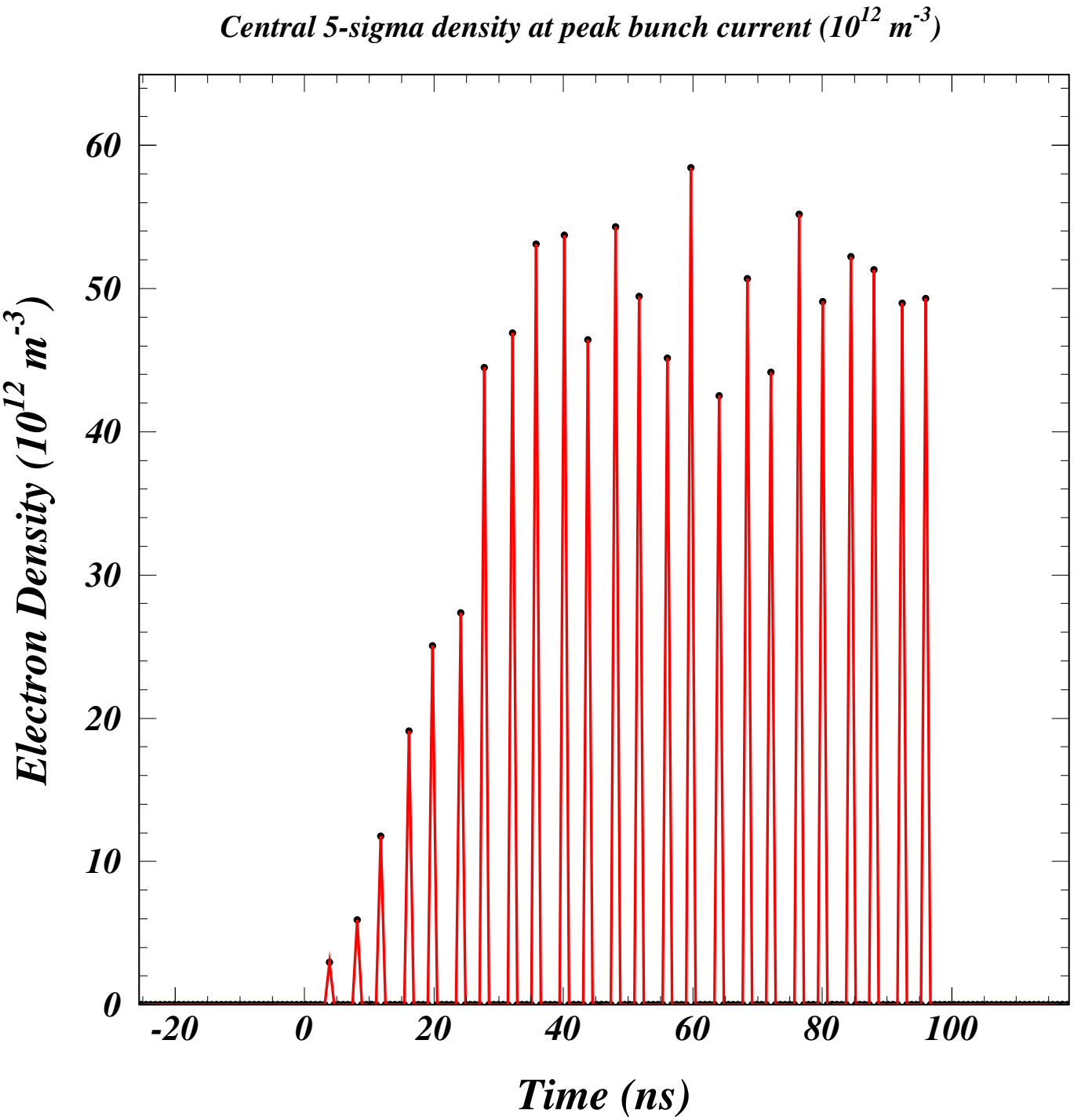

Beam-averaged density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0
5
10
15
20
25
30
-20
0
20
40
60
80
100
Time (ns)

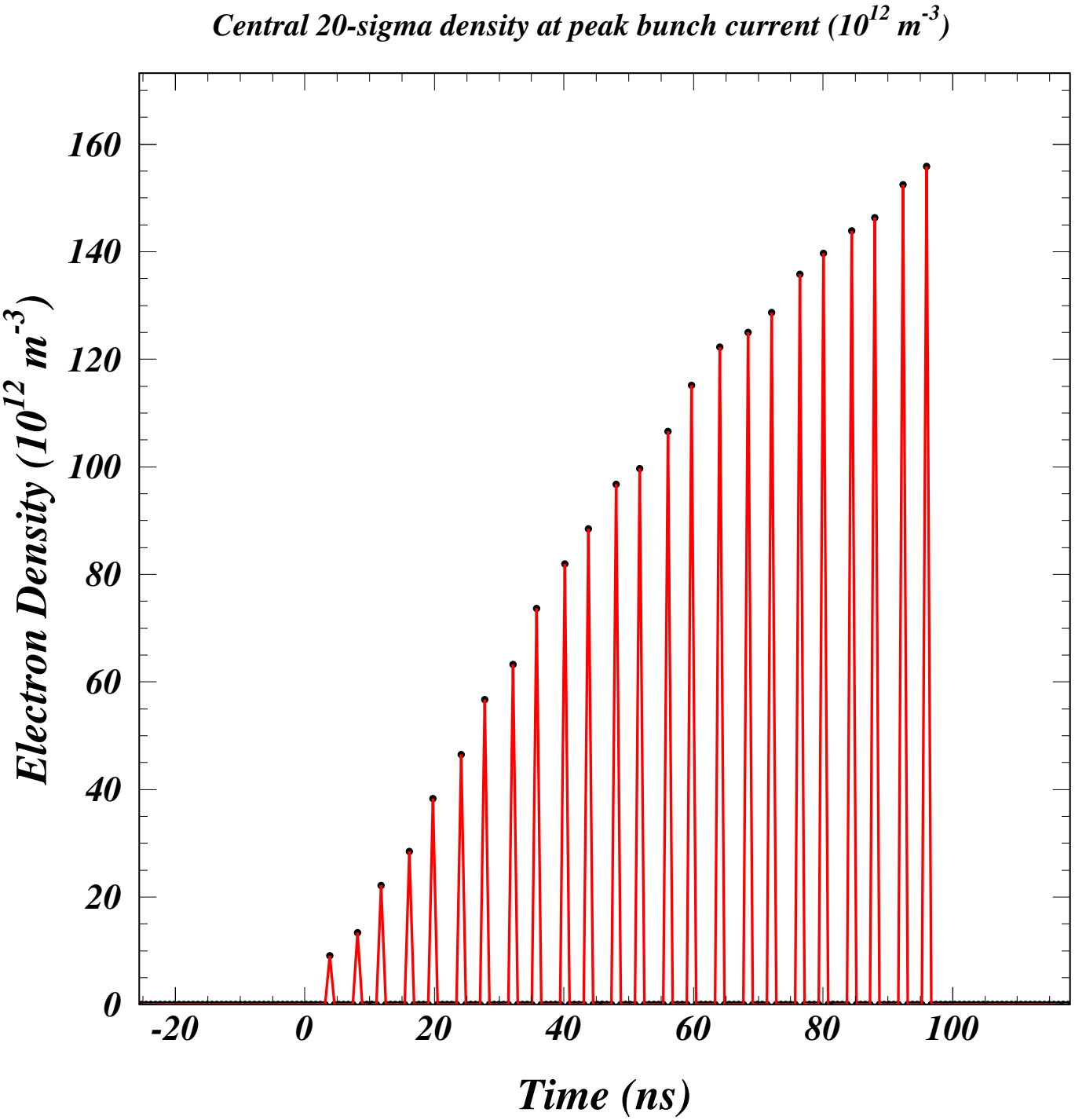

Central 5-sigma density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
60
50
40
30
20
10
0
-20
0
20
40
60
80
100
Time (ns)

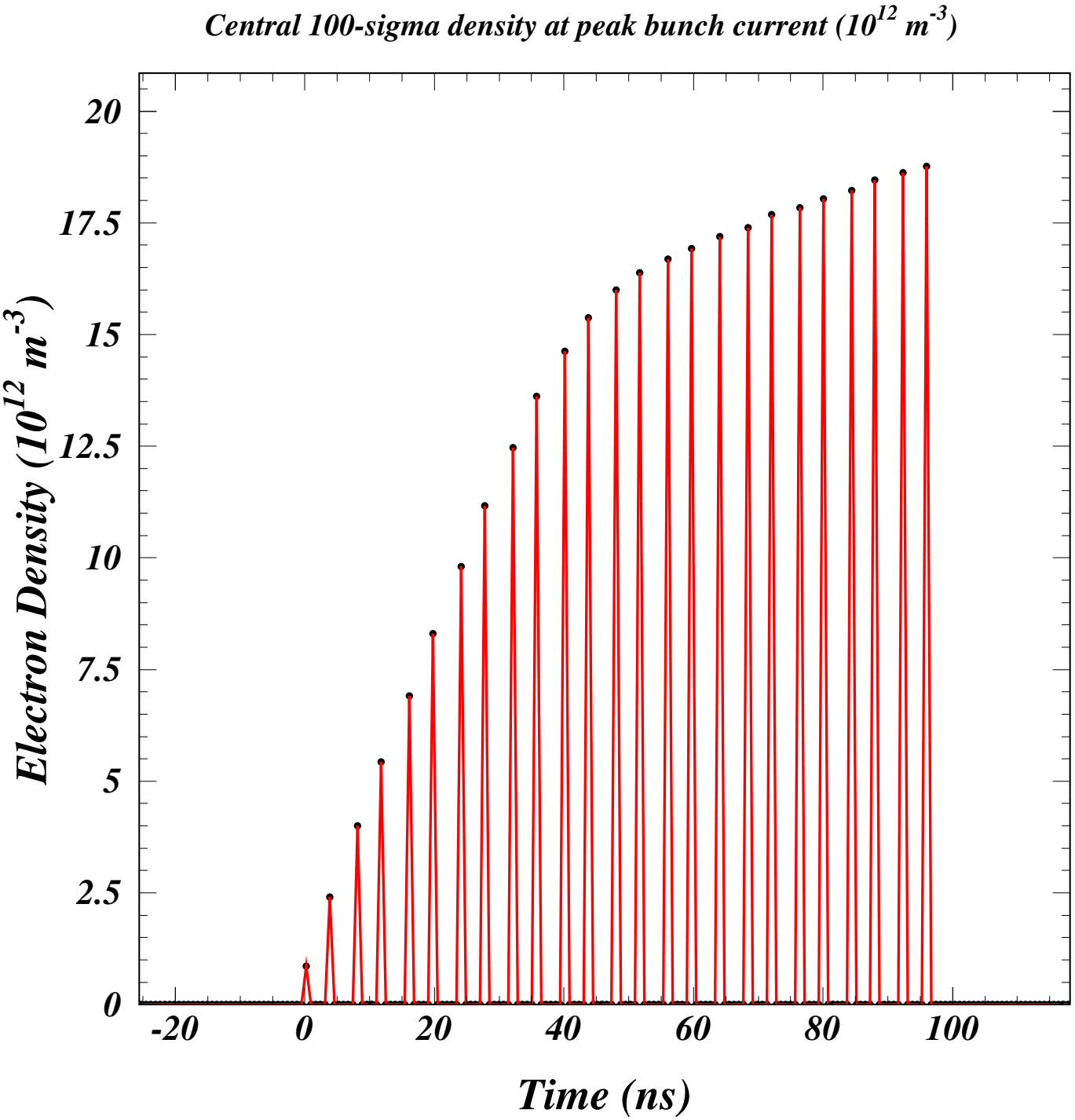

Central 20-sigma density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
180
160
140
120
100
80
60
40
20
0
-20
0
20
40
60
80
100
Time (ns)


Central 100-sigma density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
Time (ns)
20
17.5
15
12.5
10
7.5
5
2.5
0
-20
0
20
40
60
80
100


Beam-averaged density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
45
40
35
30
25
20
15
10
5
0
-20
0
20
40
60
80
100
Time (ns)


Central 5-sigma density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
Time (ns)
0
10
20
30
40
50
60
-20
0
20
40
60
80
100


Central 20-sigma density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
160
140
120
100
80
60
40
20
0
-20
0
20
40
60
80
100
Time (ns)


Central 100-sigma density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
Time (ns)
20
17.5
15
12.5
10
7.5
5
2.5
0
-20
0
20
40
60
80
100