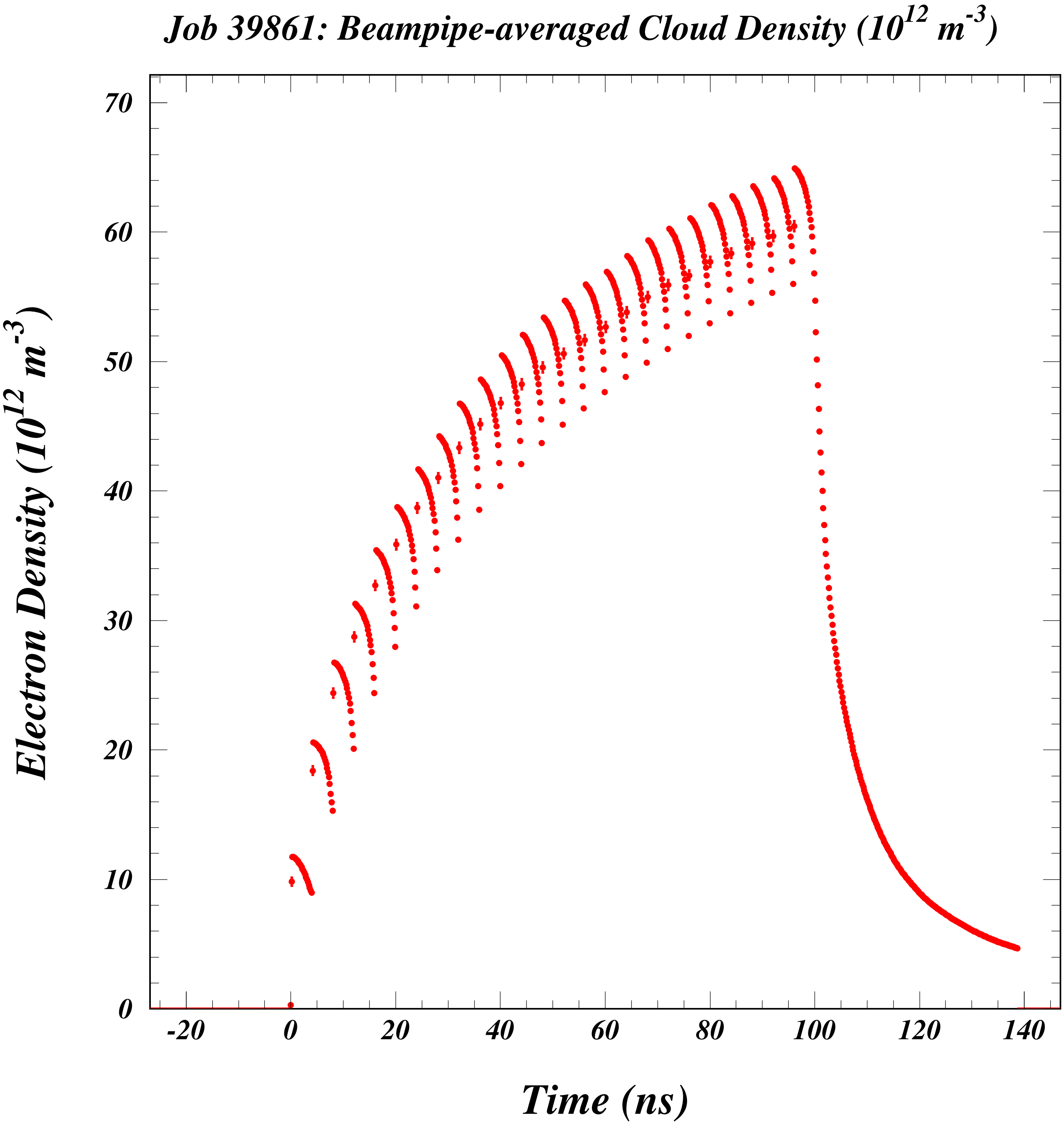
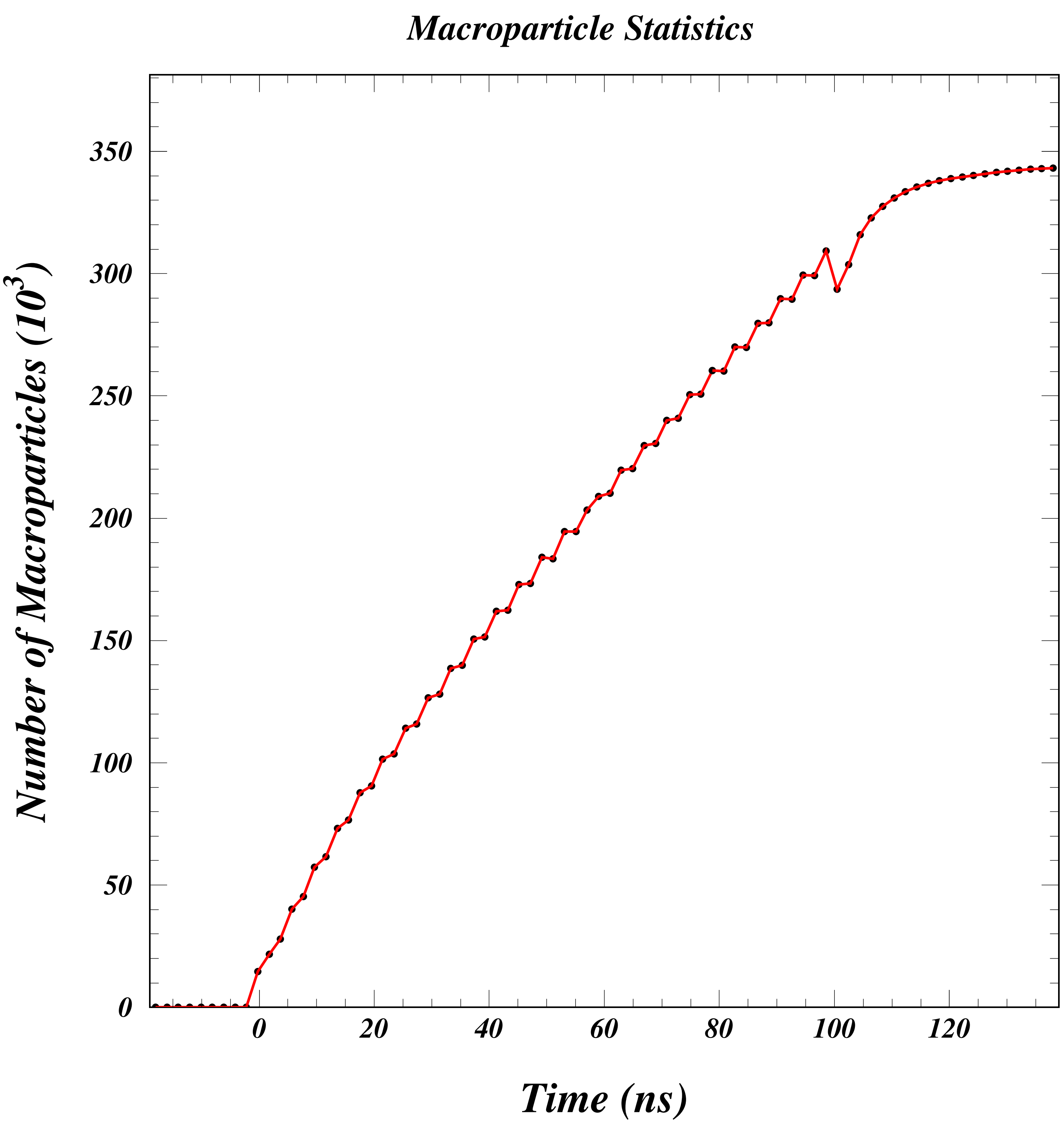
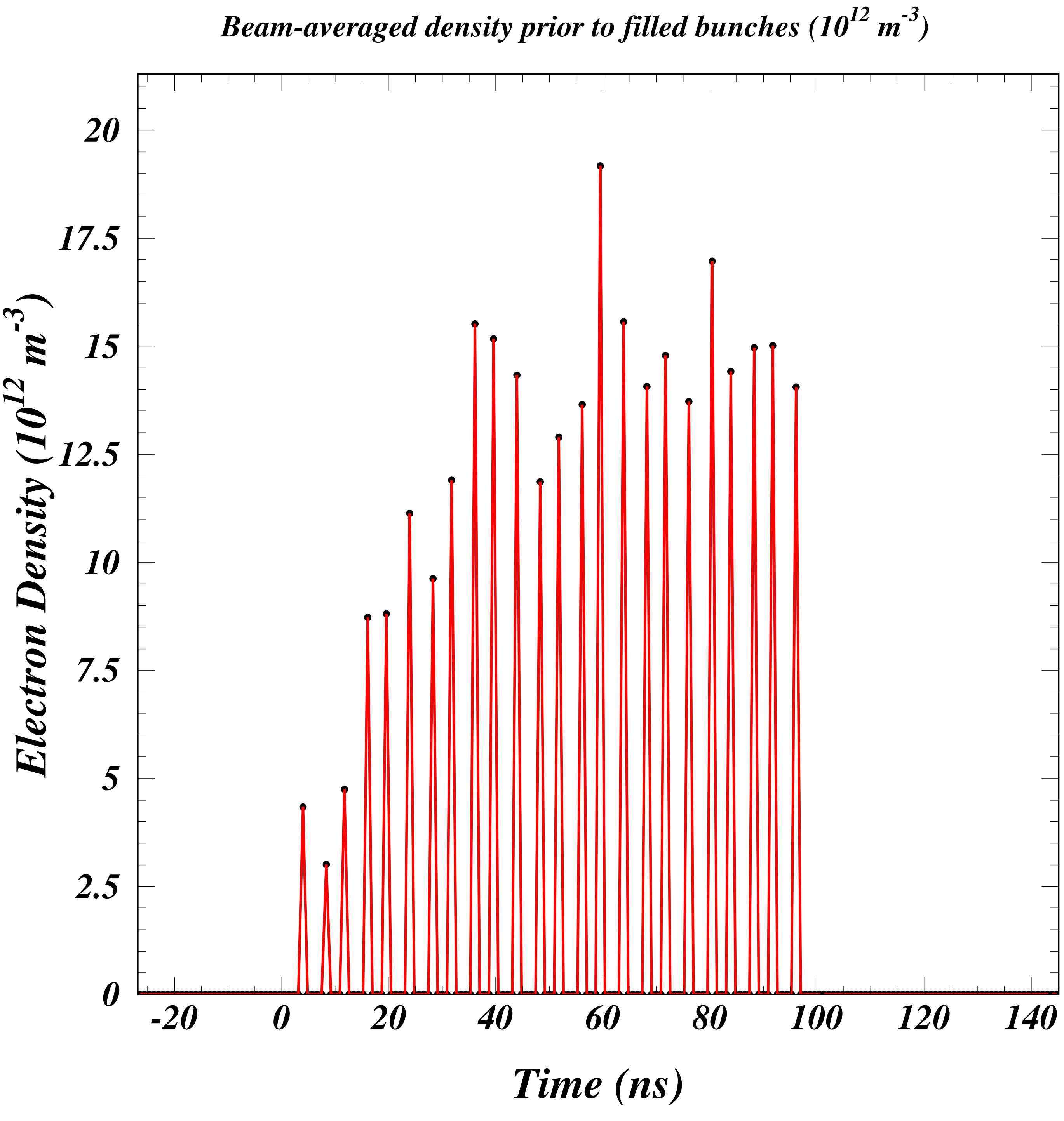
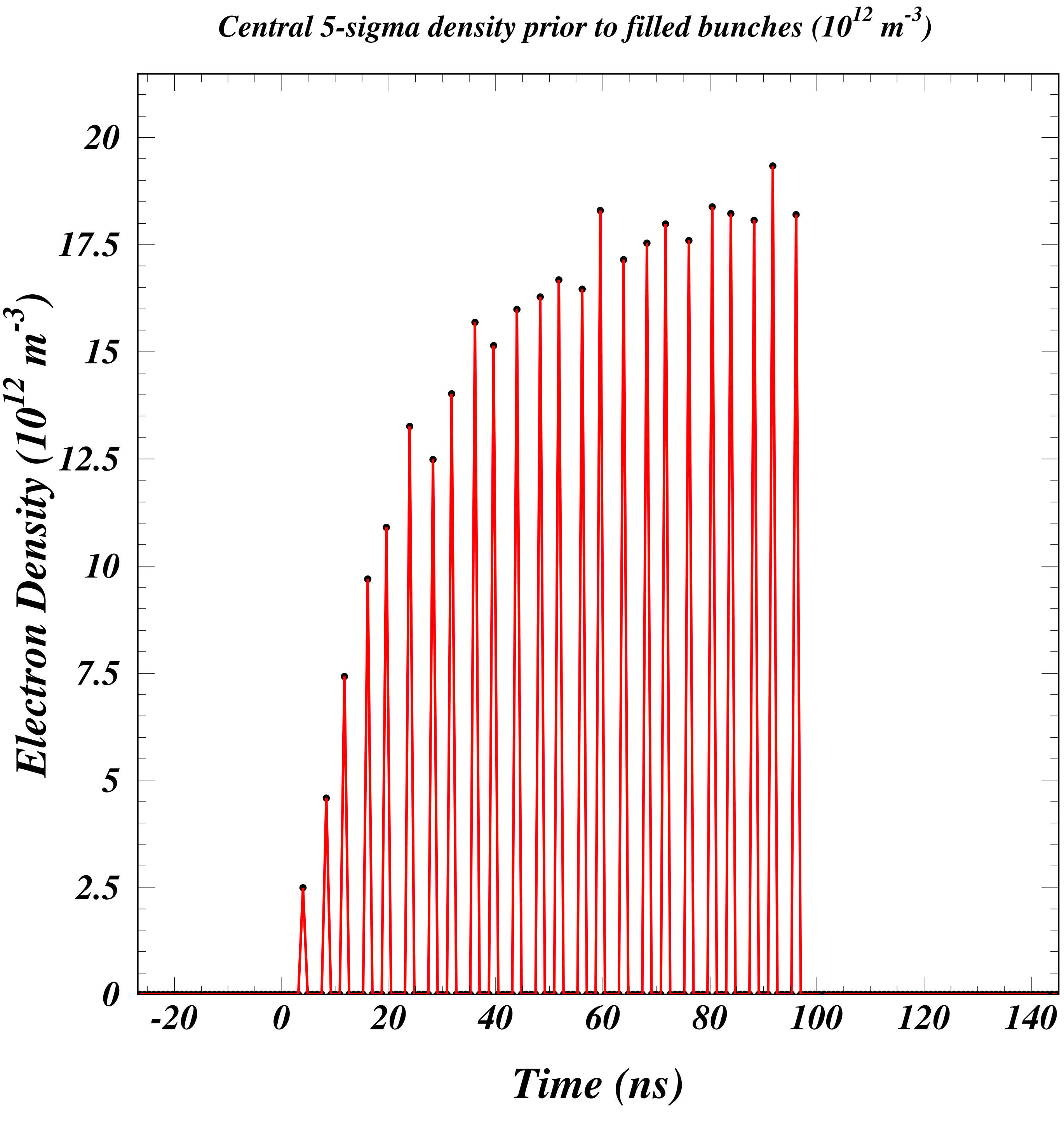
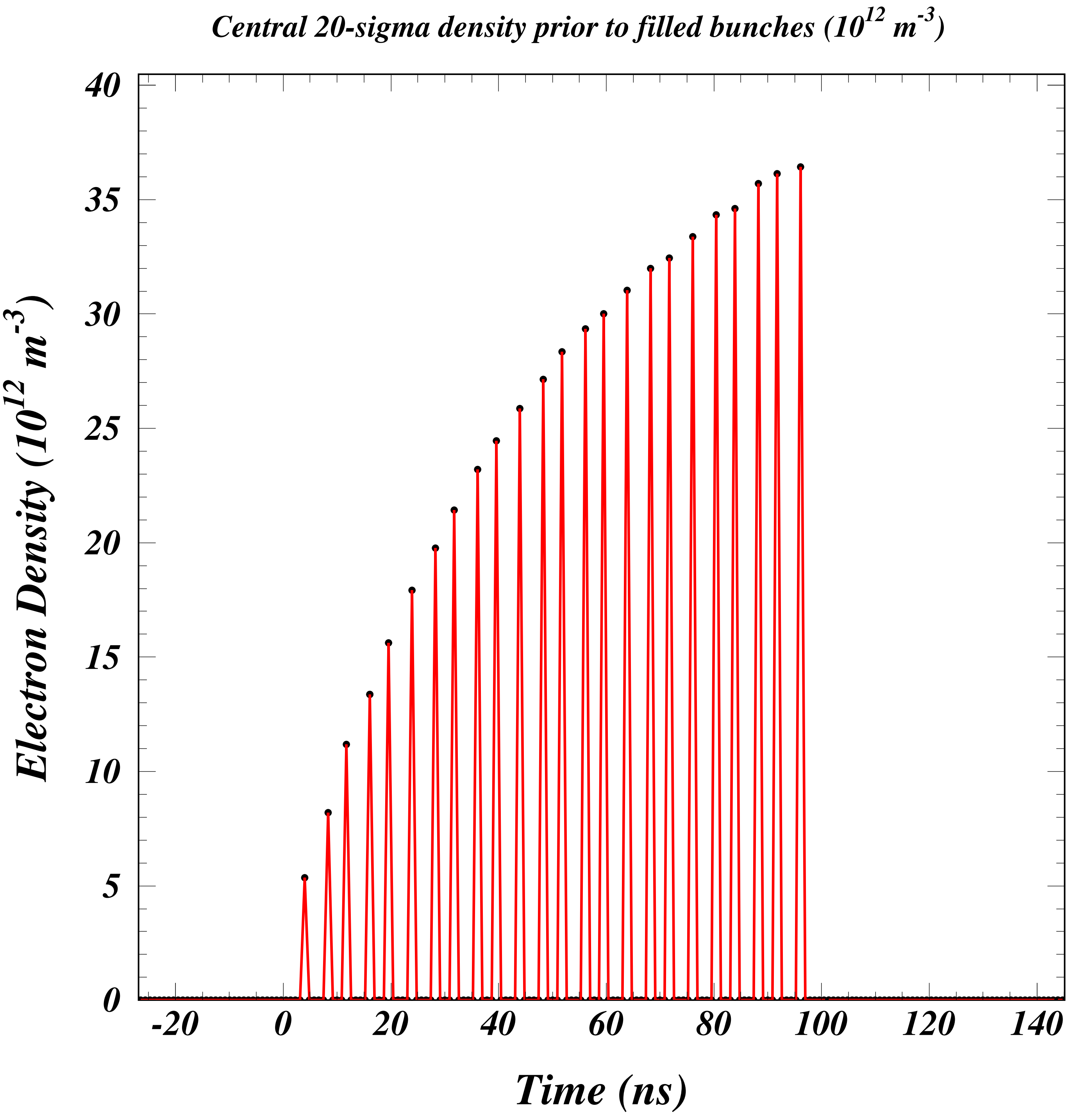

Job 39861: Beampipe-averaged Cloud Density (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
Time (ns)
0
10
20
30
40
50
60
70
-20
0
20
40
60
80
100
120
140


Macroparticle Statistics
Number of Macroparticles (10^3)
Time (ns)
0
50
100
150
200
250
300
350
0
20
40
60
80
100
120

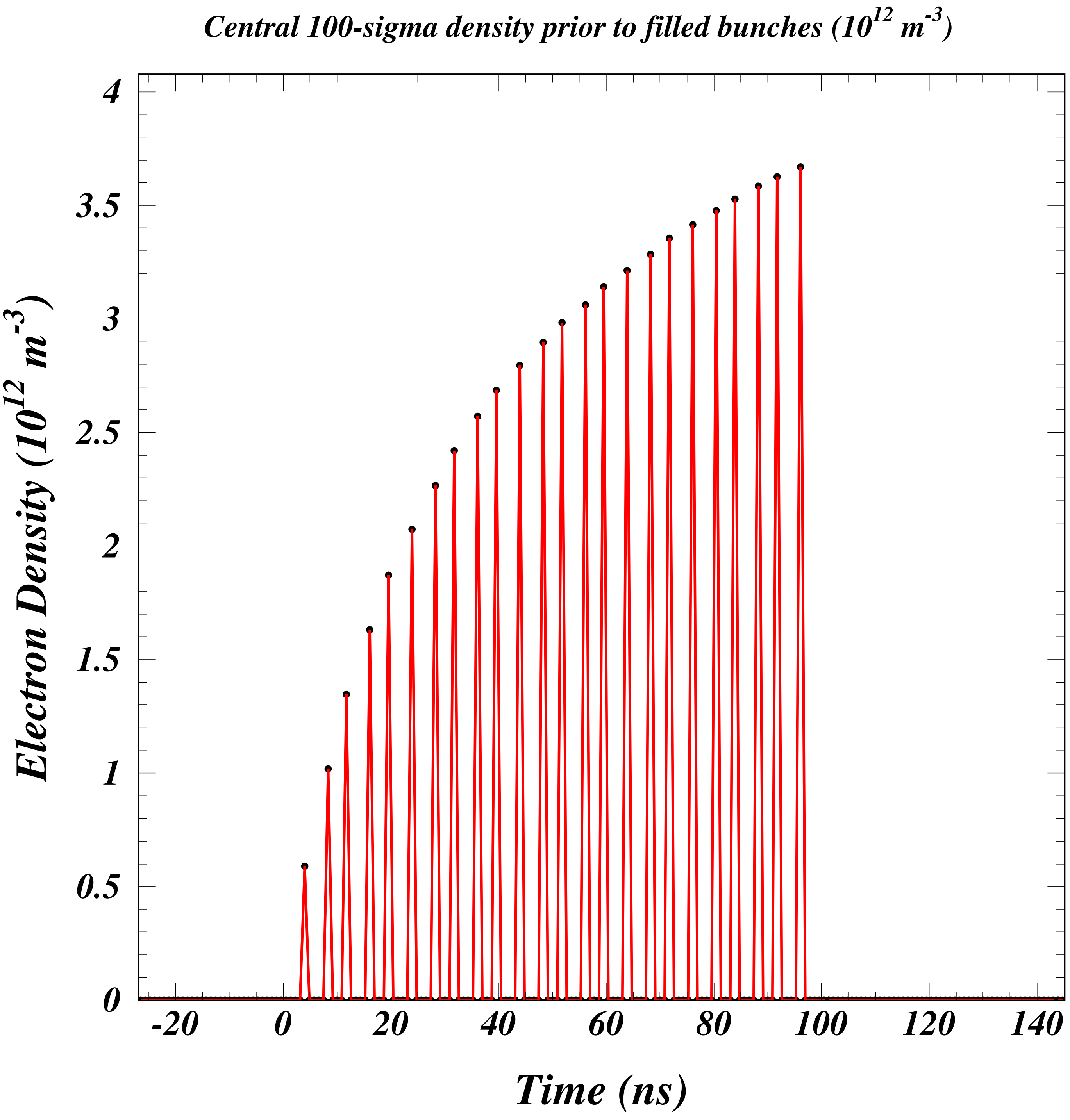


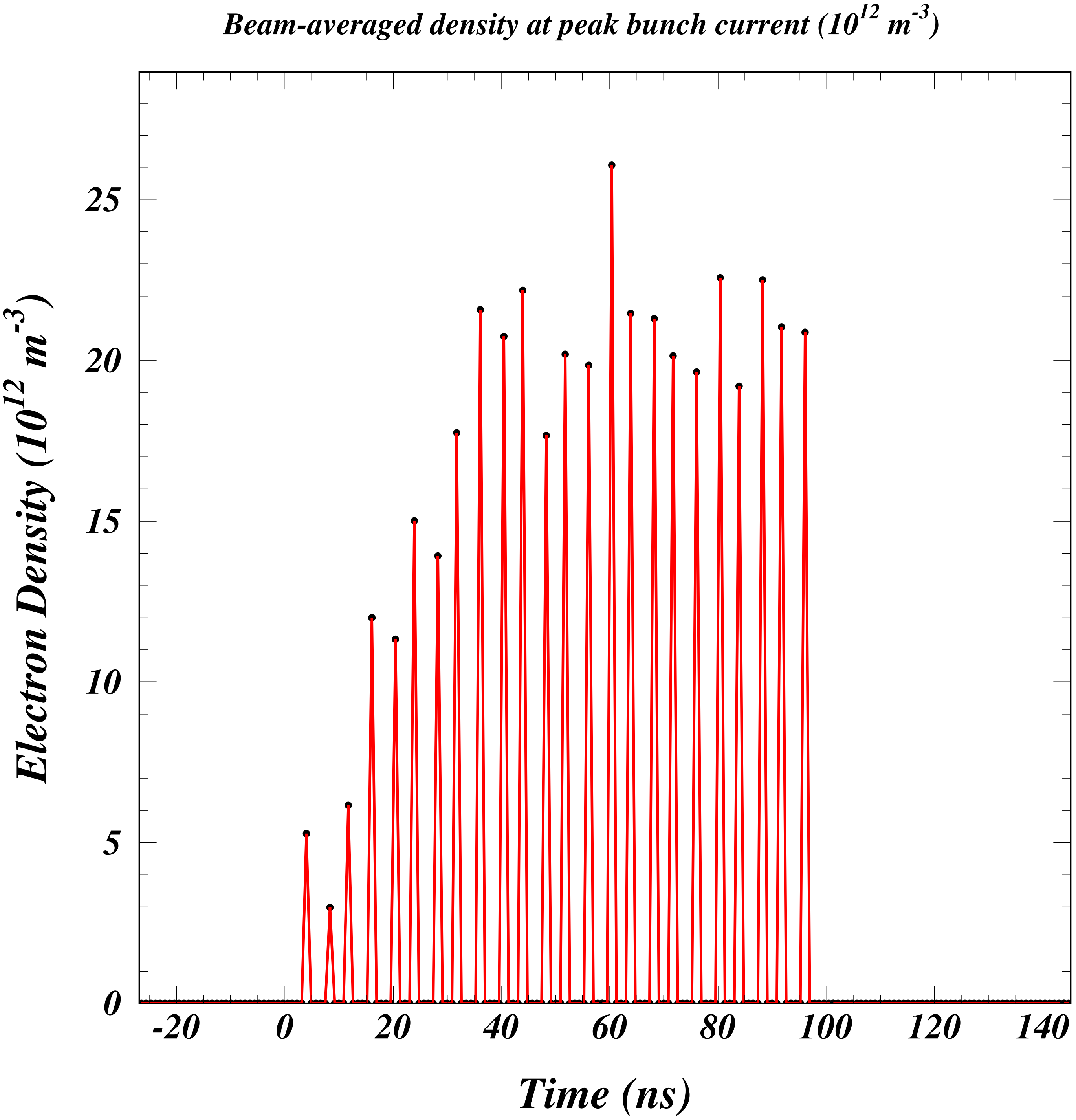
Beam-averaged density prior to filled bunches (10^{12} m^{-3})
20
17.5
15
12.5
10
7.5
5
2.5
0
-20
0
20
40
60
80
100
120
140
Electron Density (10^{12} m^{-3})
Time (ns)

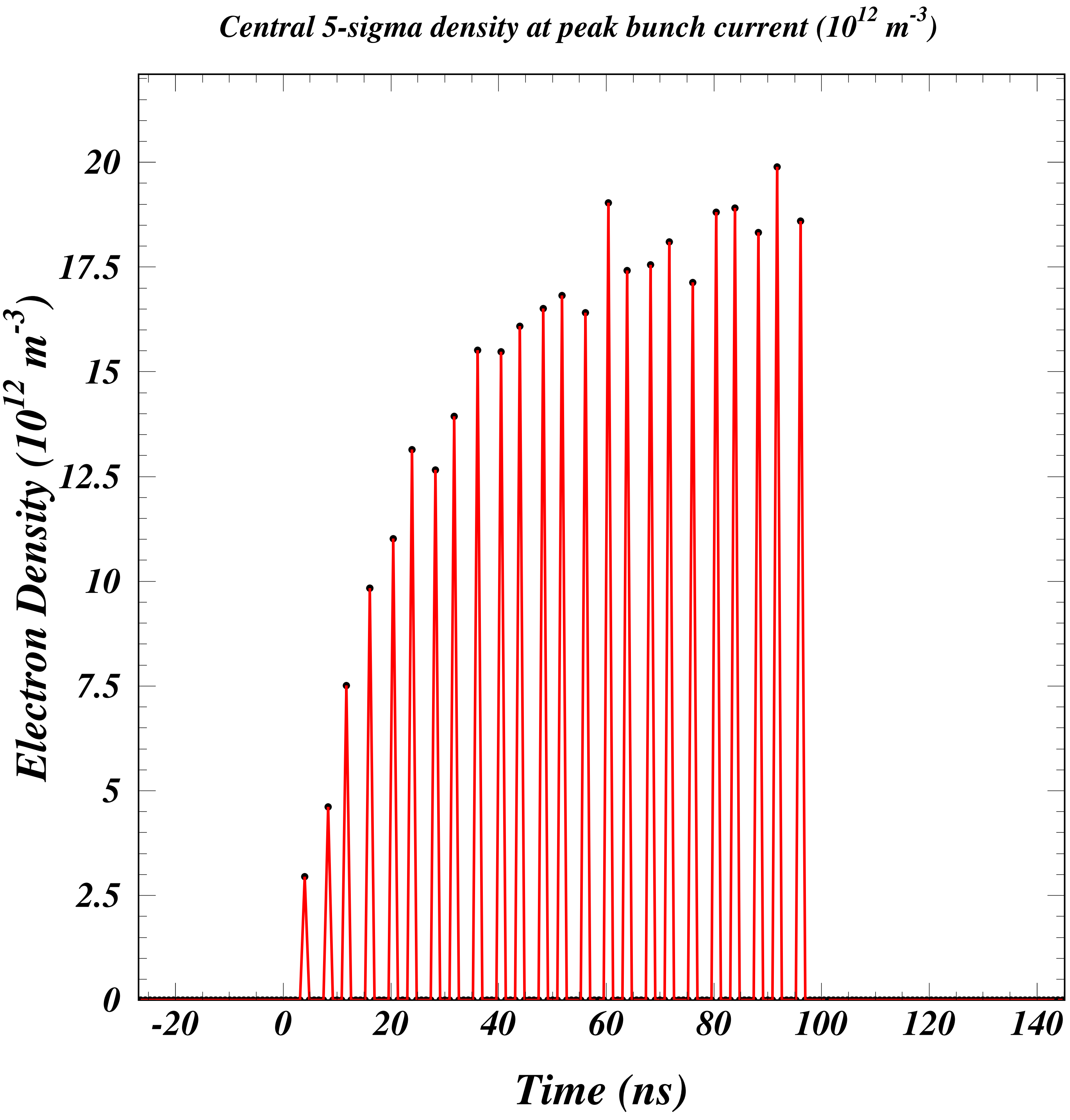

Central 5-sigma density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
Time (ns)
20
17.5
15
12.5
10
7.5
5
2.5
0
-20
0
20
40
60
80
100
120
140

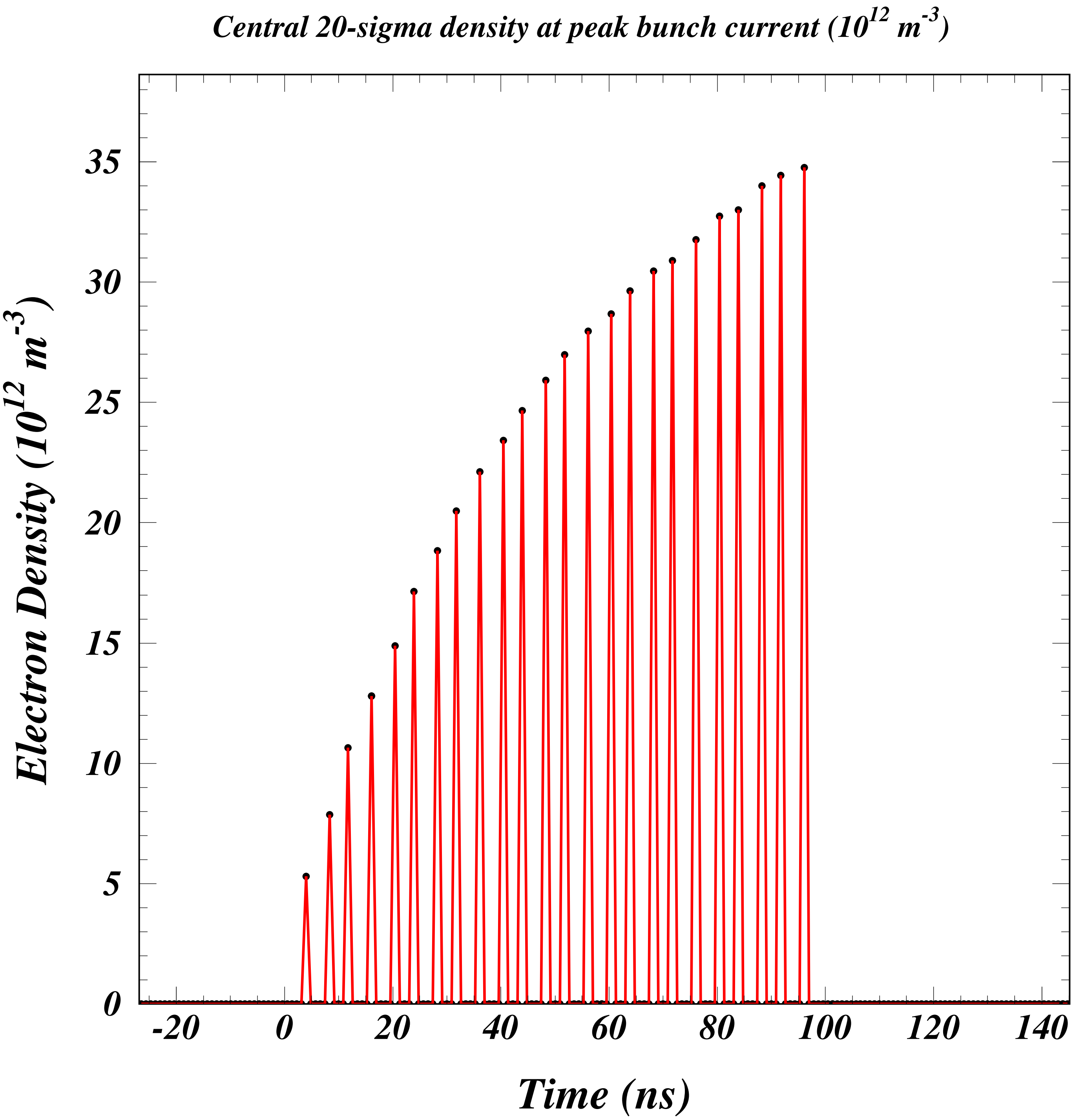


Central 20-sigma density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
40
35
30
25
20
15
10
5
0
-20
0
20
40
60
80
100
120
140
Time (ns)


Central 100-sigma density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
Time (ns)
0
0.5
1
1.5
2
2.5
3
3.5
4
-20
0
20
40
60
80
100
120
140


Beam-averaged density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0
5
10
15
20
25
-20
0
20
40
60
80
100
120
140
Time (ns)


Central 5-sigma density at peak bunch current (10^12 m^-3)
Electron Density (10^12 m^-3)
20
17.5
15
12.5
10
7.5
5
2.5
0
-20
0
20
40
60
80
100
120
140
Time (ns)


Central 20-sigma density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
Time (ns)
0
5
10
15
20
25
30
35
-20
0
20
40
60
80
100
120
140

Central 100-sigma density at peak bunch current (10^{12} m^{-3})