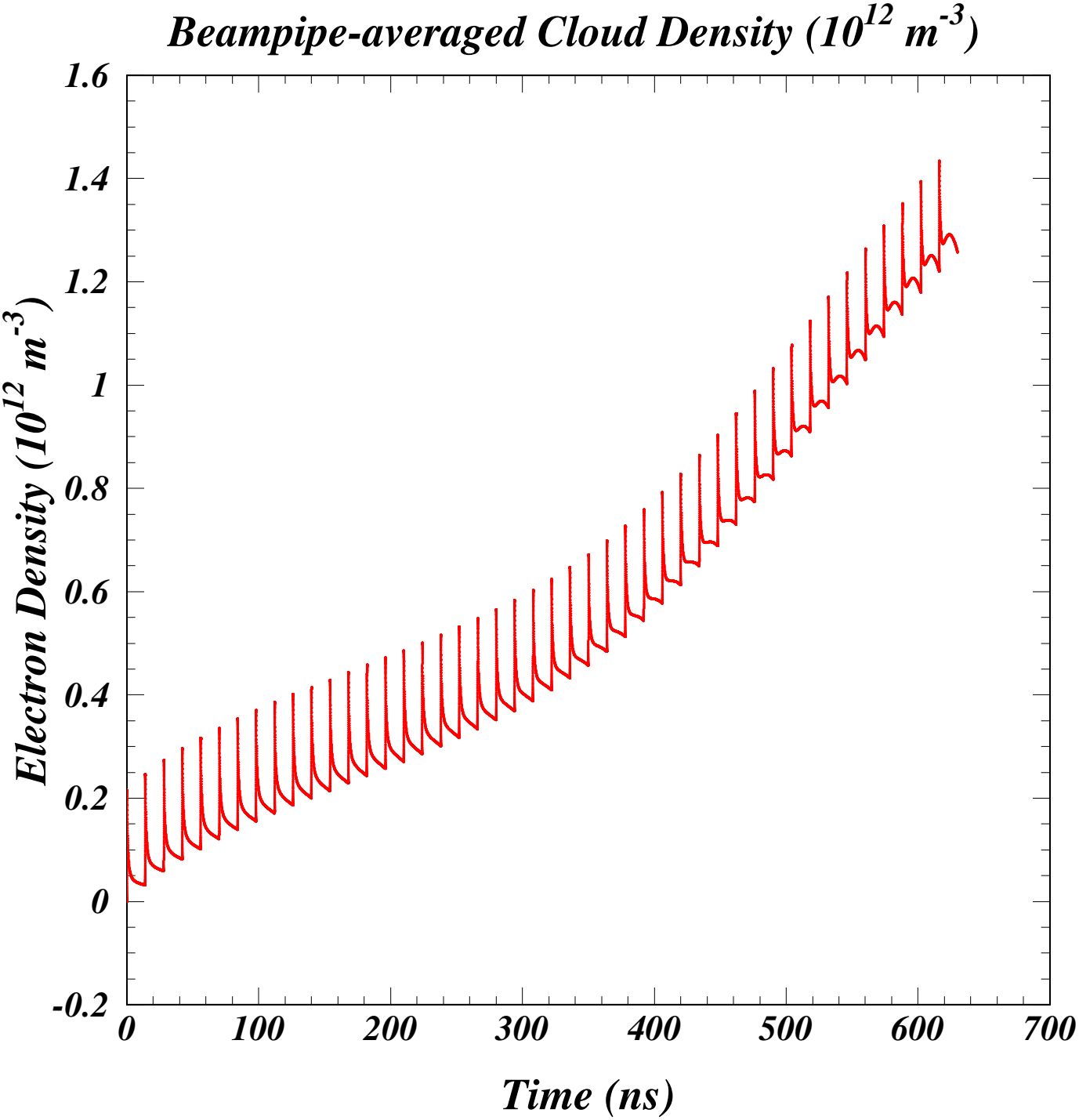
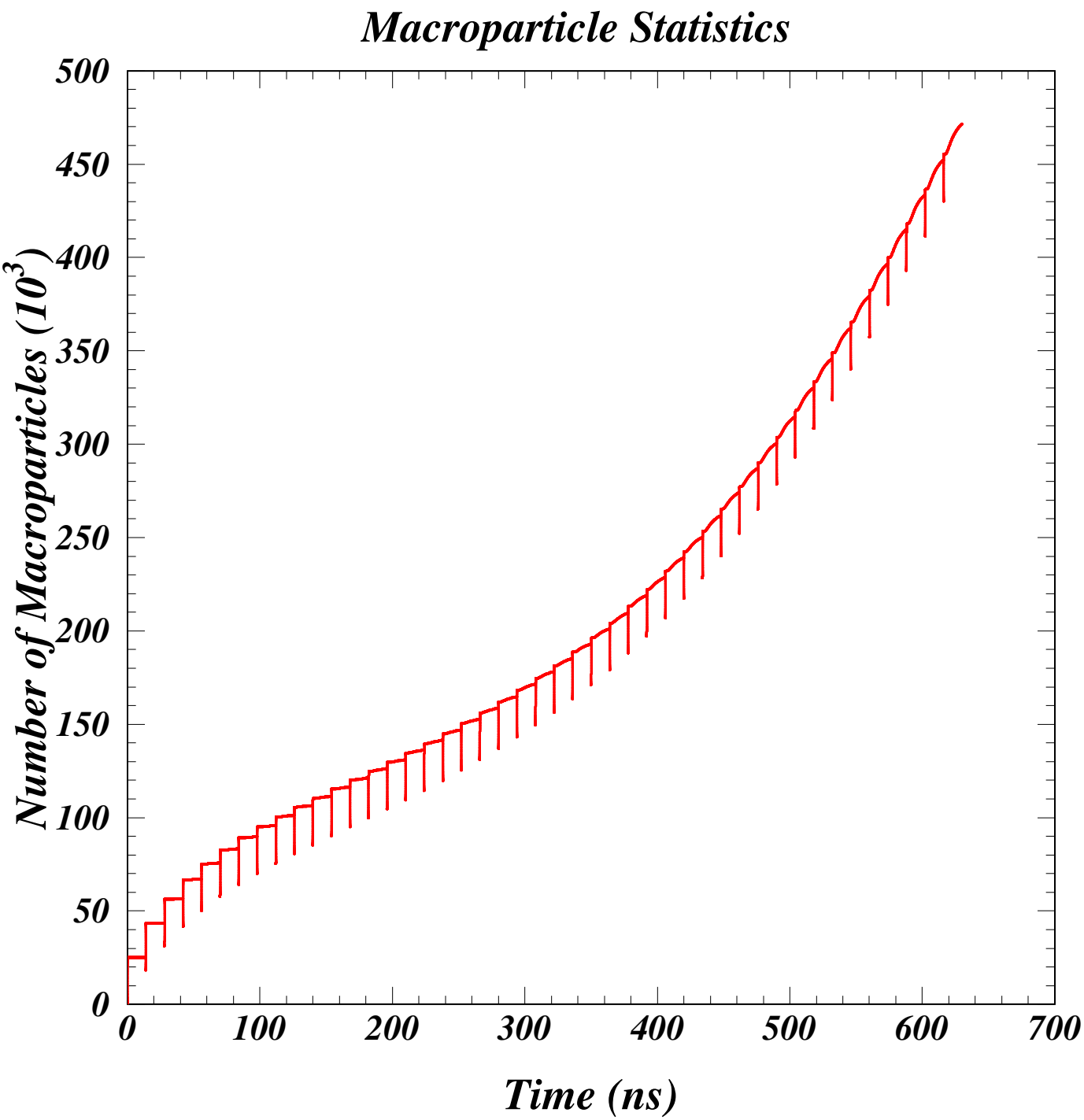
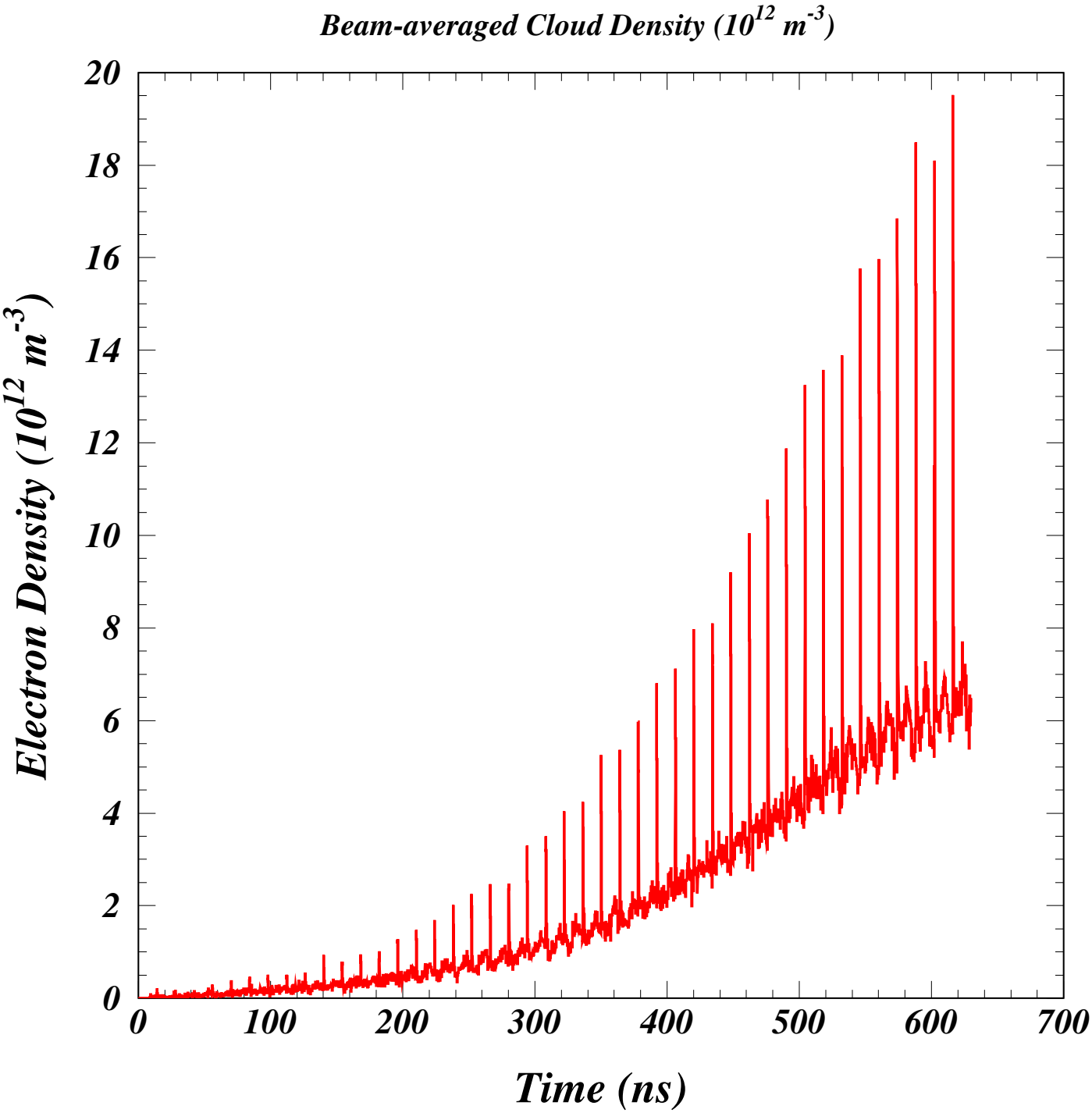
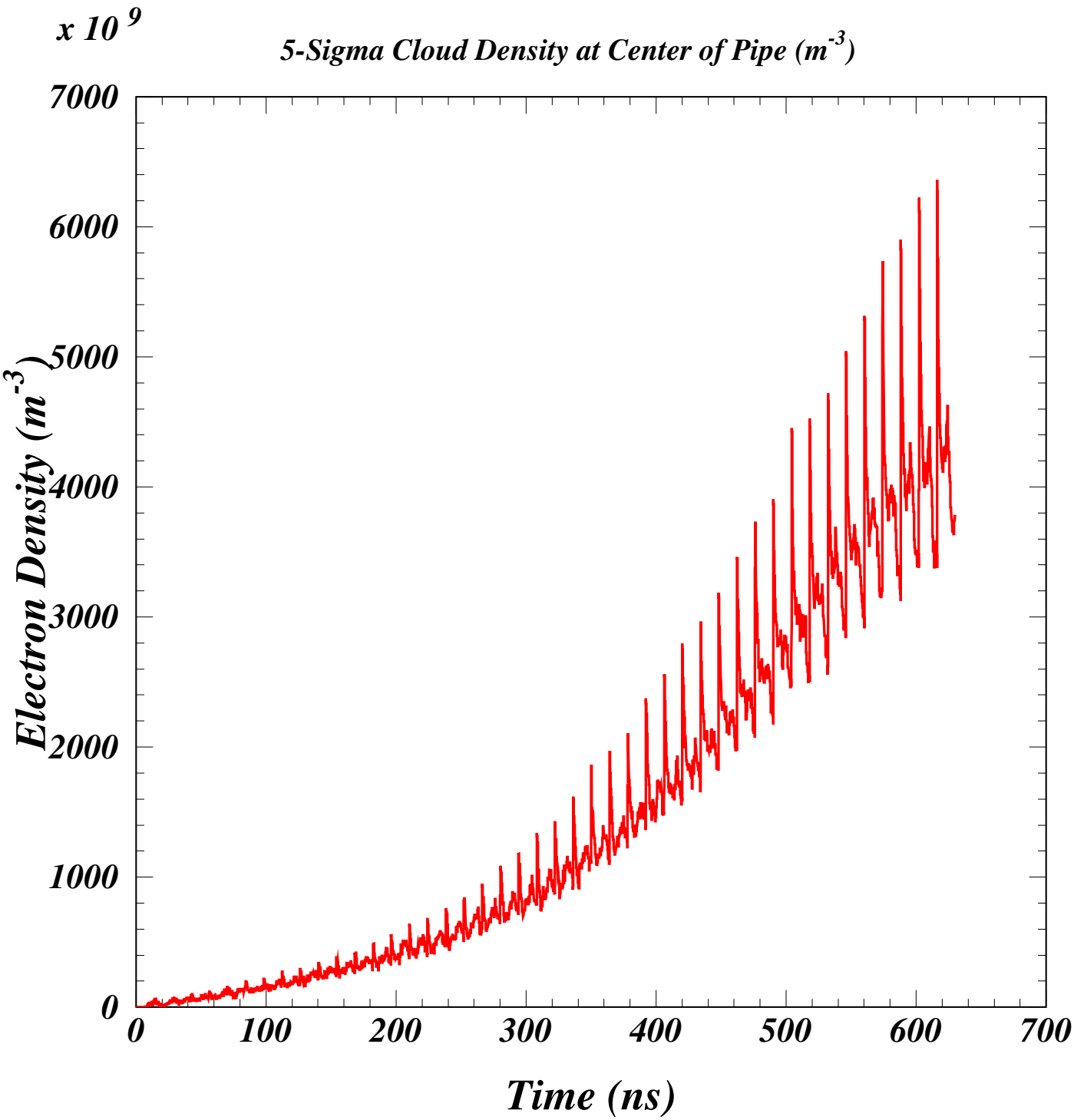
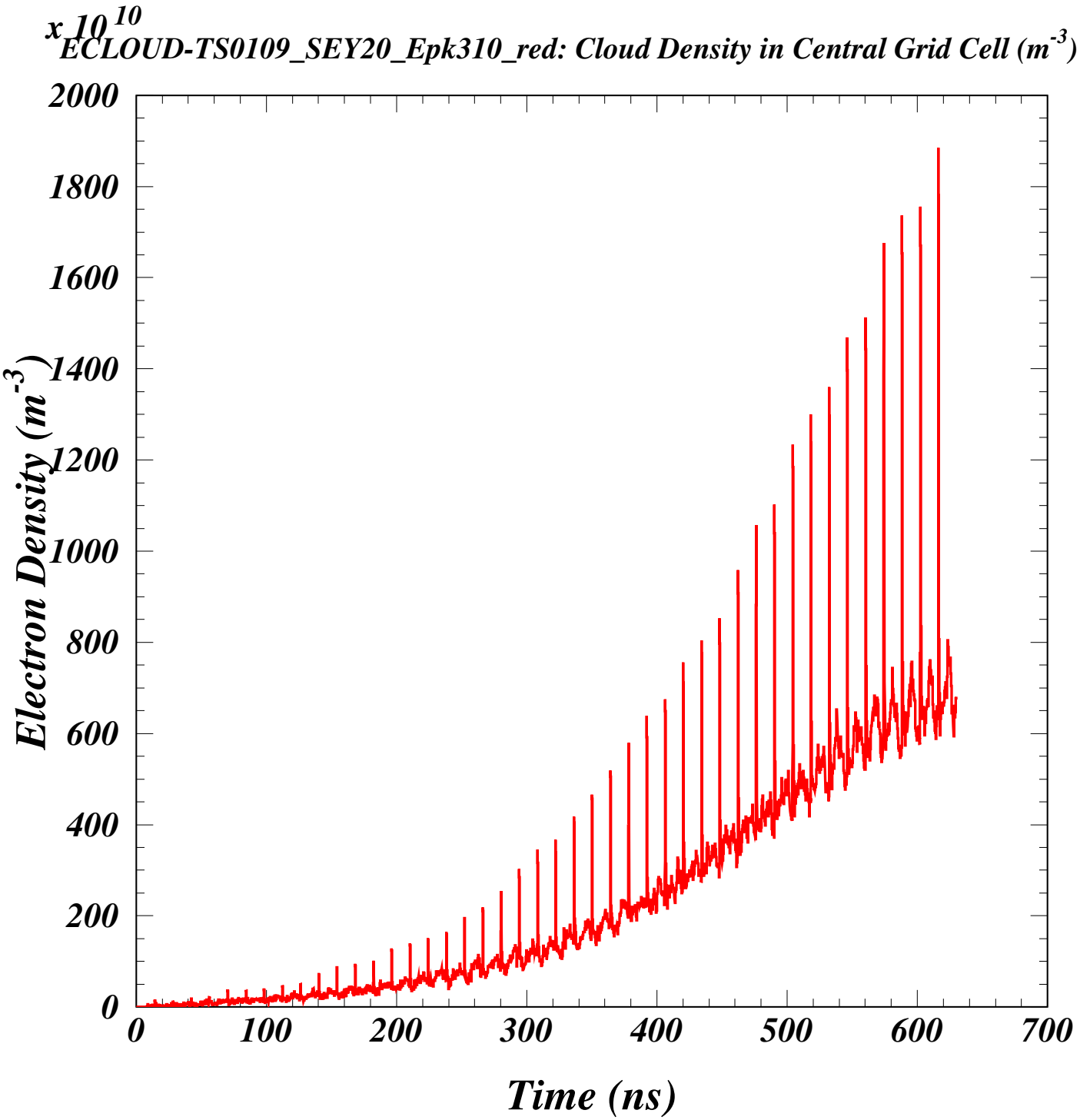

Beampipe-averaged Cloud Density (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
100
200
300
400
500
600
700
Time (ns)


Macroparticle Statistics
Number of Macroparticles (10^3)
Time (ns)
0
50
100
150
200
250
300
350
400
450
500
0
100
200
300
400
500
600
700


Beam-averaged Cloud Density (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0
2
4
6
8
10
12
14
16
18
20
0
100
200
300
400
500
600
700
Time (ns)


x 10 9
5-Sigma Cloud Density at Center of Pipe (m-3)
7000
6000
5000
4000
3000
2000
1000
0
Electron Density (m-3)
0
100
200
300
400
500
600
700
Time (ns)


x 10^10
ECLOUD-TS0109_SEY20_Epk310_red: Cloud Density in Central Grid Cell (m^-3)
Electron Density (m^-3)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
Time (ns)