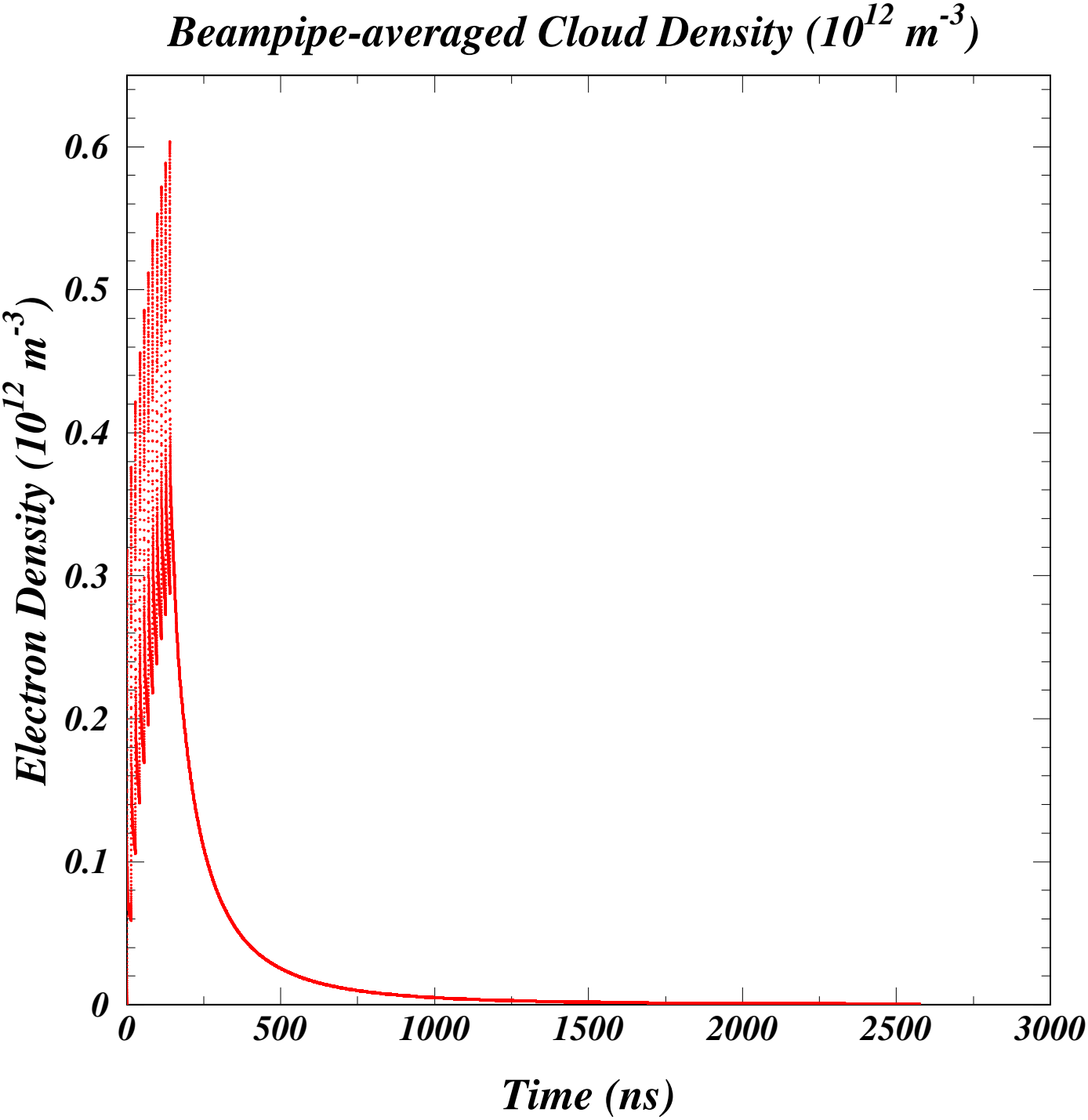
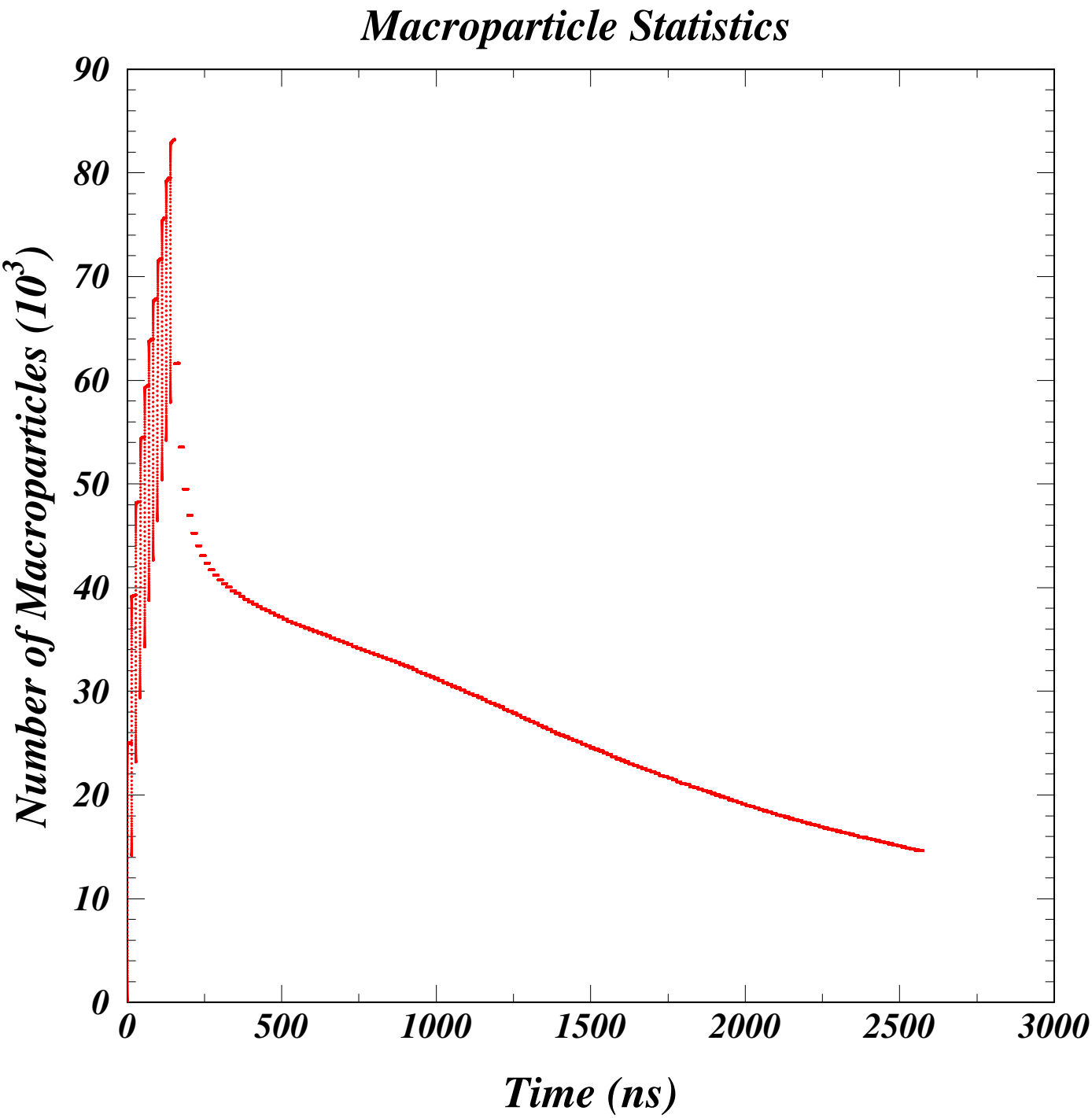
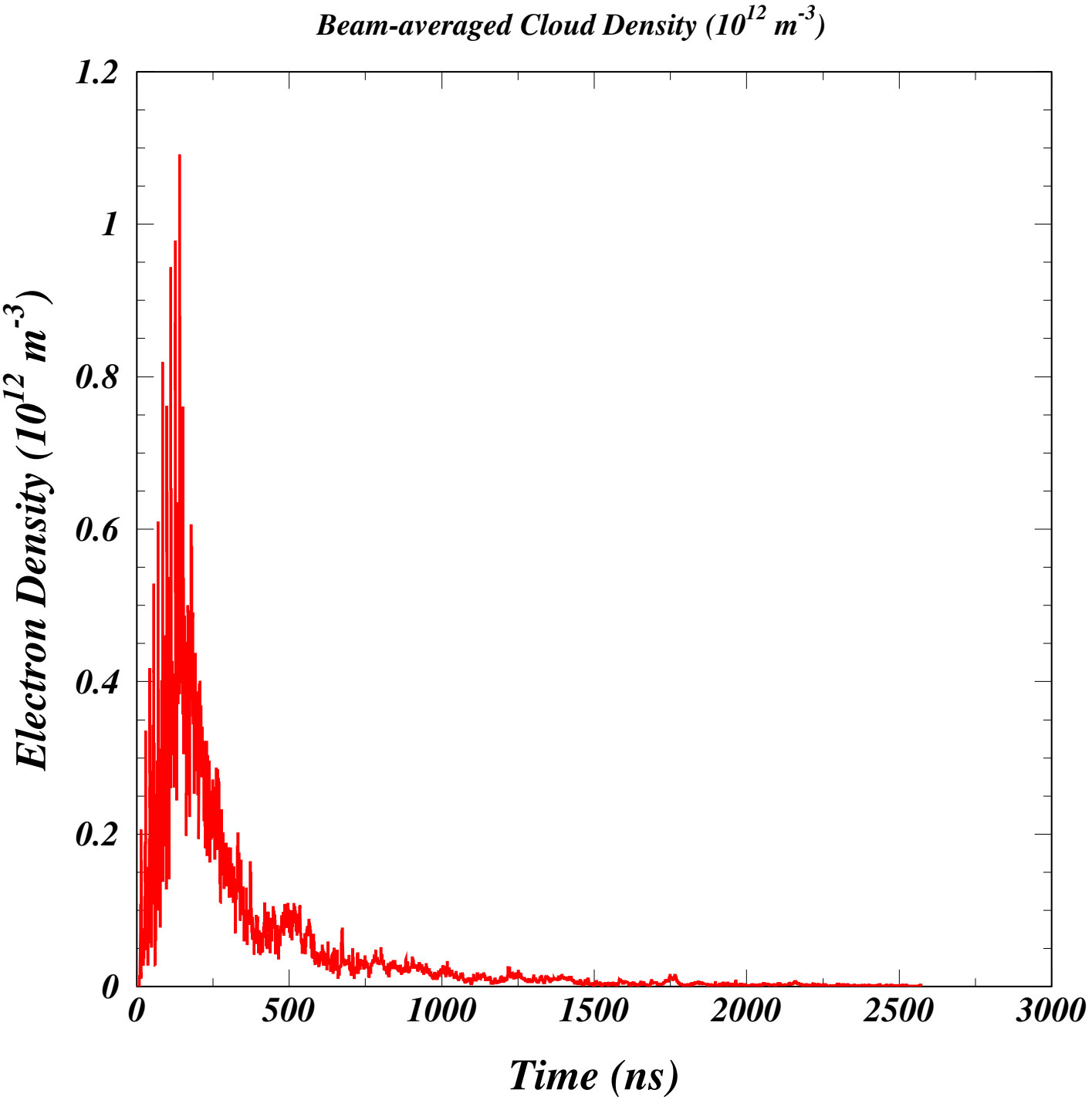
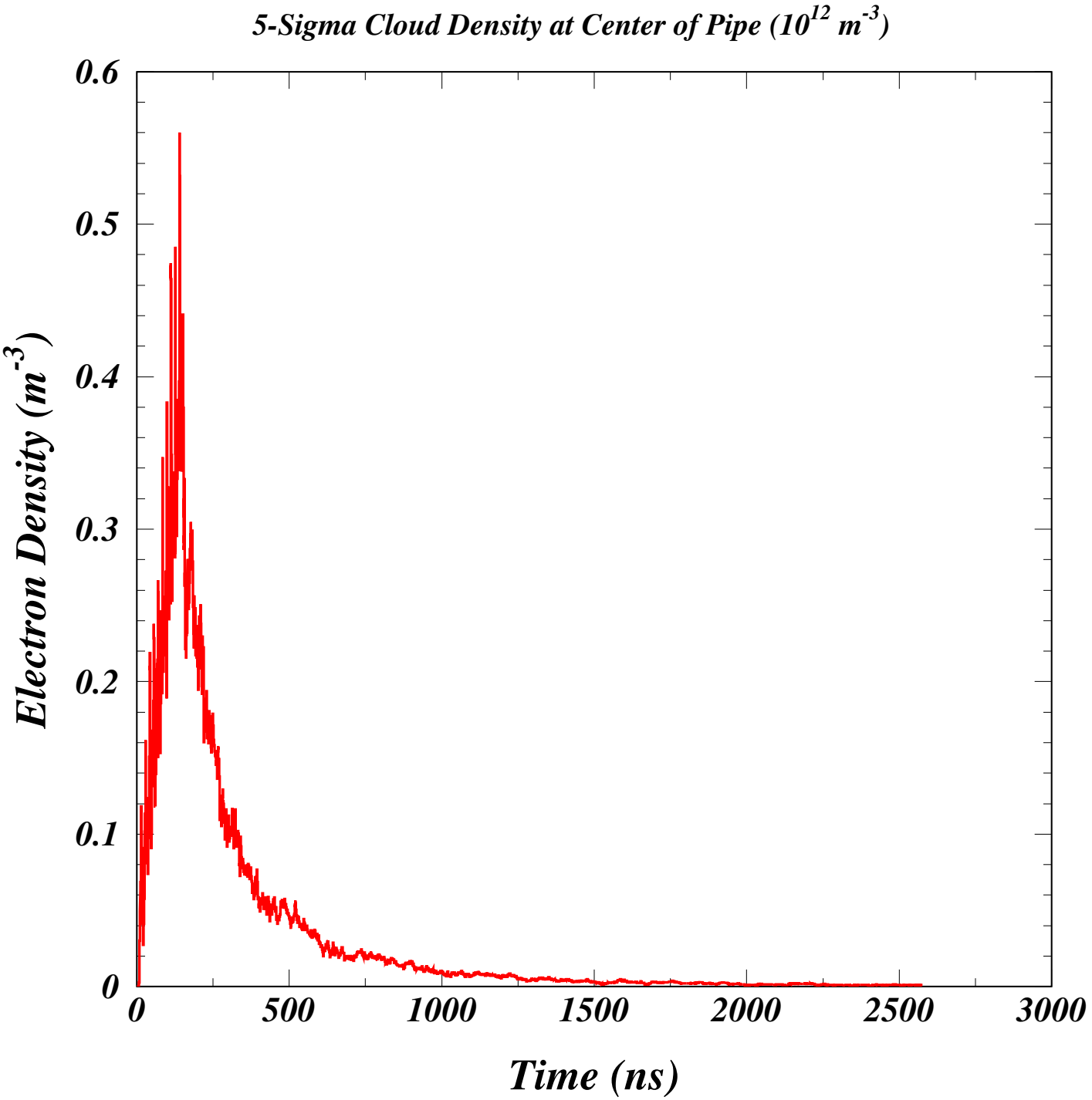
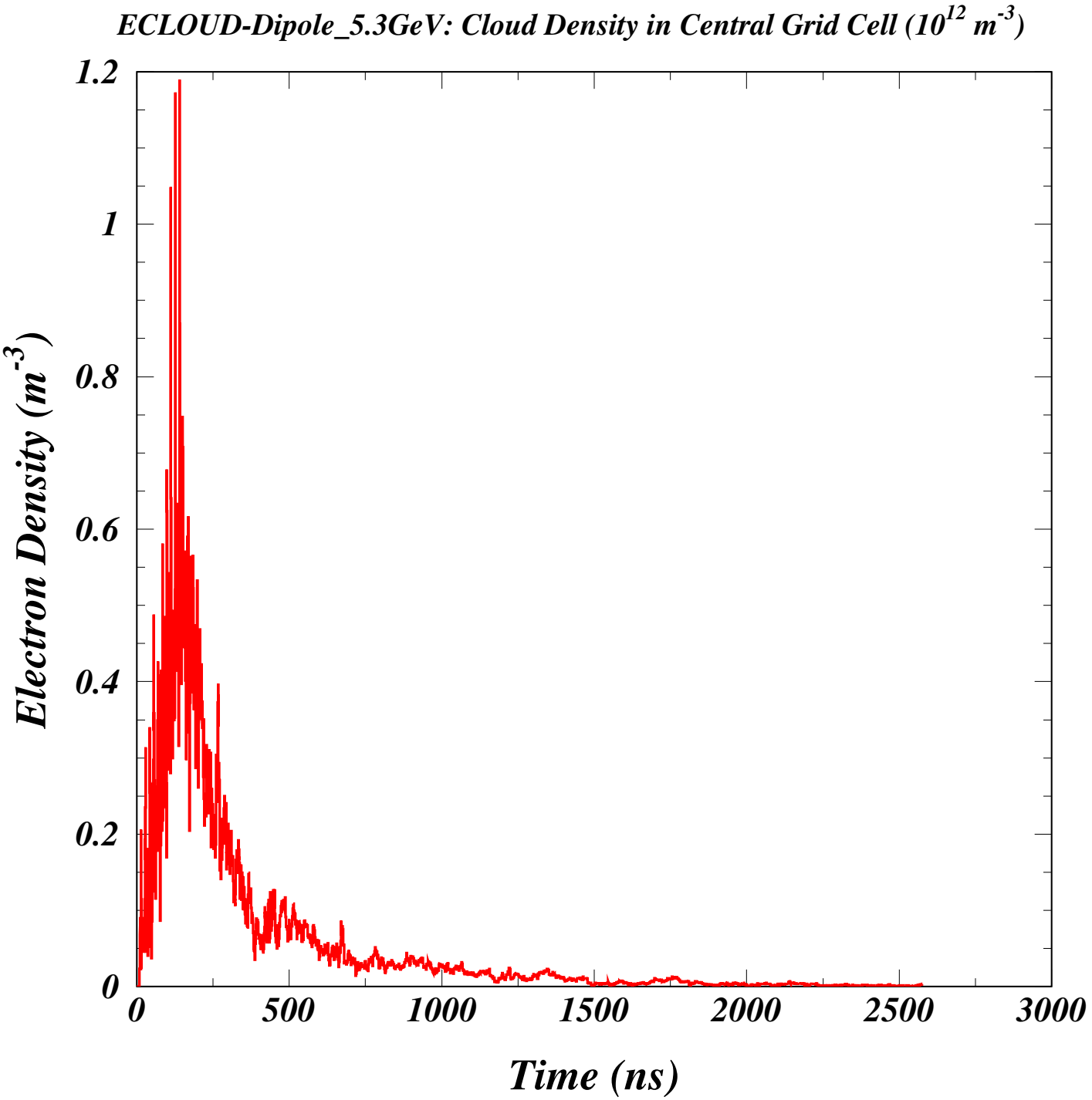

Beampipe-averaged Cloud Density (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0.6
0.5
0.4
0.3
0.2
0.1
0
0
500
1000
1500
2000
2500
3000
Time (ns)


Macroparticle Statistics
Number of Macroparticles (10^3)
Time (ns)
0
10
20
30
40
50
60
70
80
90
0
500
1000
1500
2000
2500
3000


Beam-averaged Cloud Density (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
1.2
1
0.8
0.6
0.4
0.2
0
0
500
1000
1500
2000
2500
3000
Time (ns)


5-Sigma Cloud Density at Center of Pipe (10^{12} m^{-3})
Electron Density (m^{-3})
0.6
0.5
0.4
0.3
0.2
0.1
0
0
500
1000
1500
2000
2500
3000
Time (ns)


ECLOUD-Dipole_5.3GeV: Cloud Density in Central Grid Cell (10^{12} m^{-3})
Electron Density (m^{-3})
1.2
1
0.8
0.6
0.4
0.2
0
0
500
1000
1500
2000
2500
3000
Time (ns)