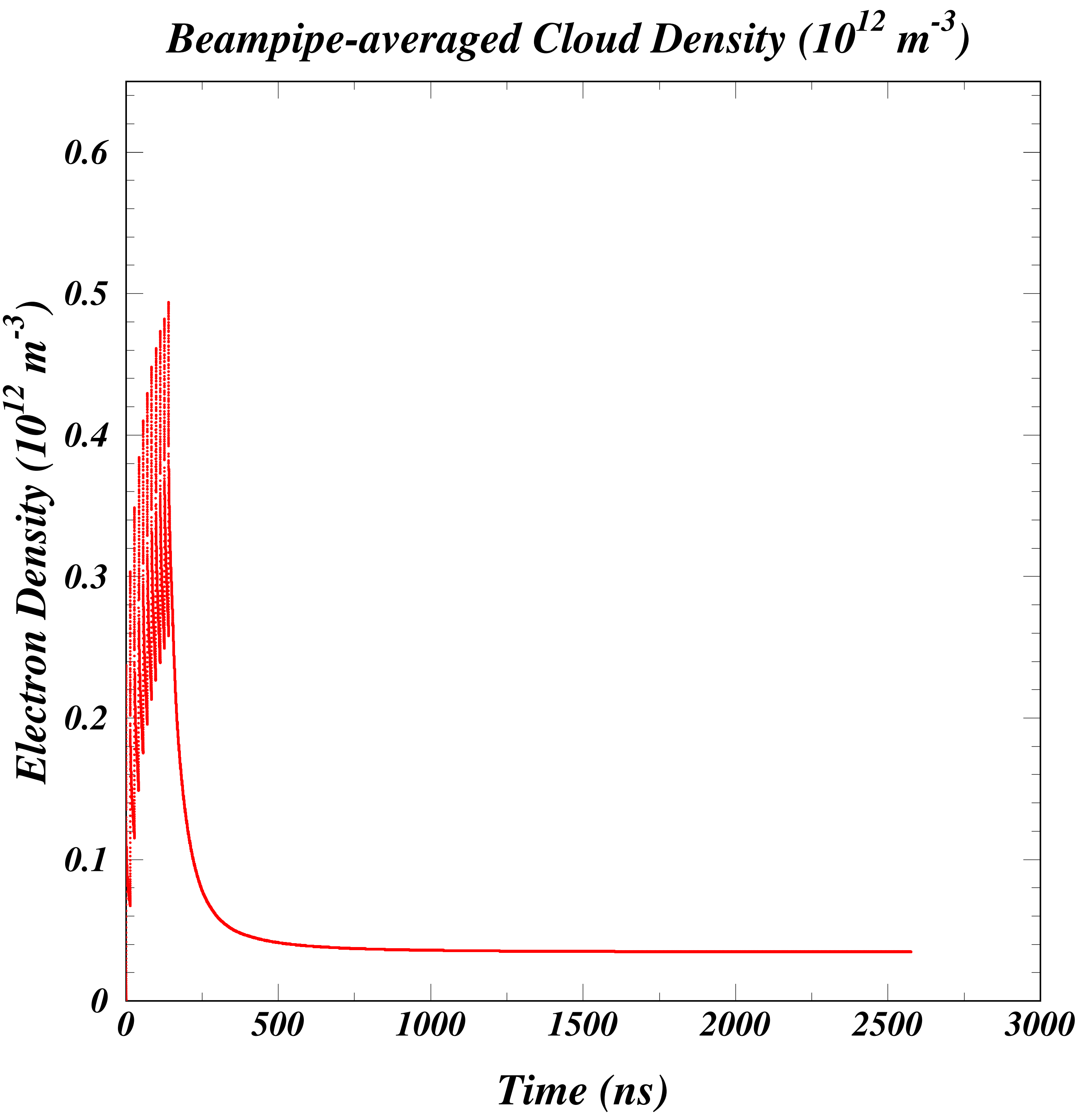
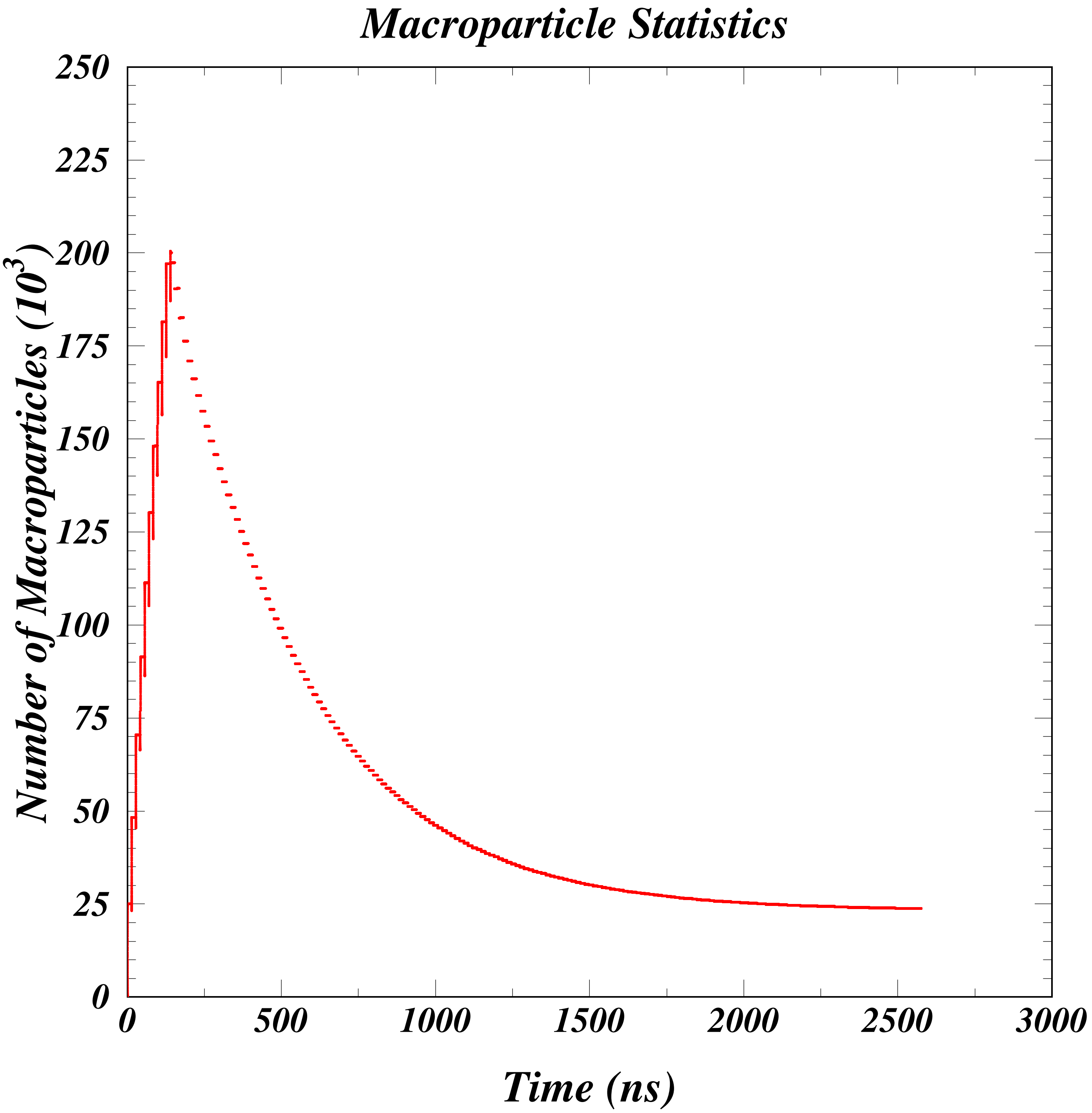
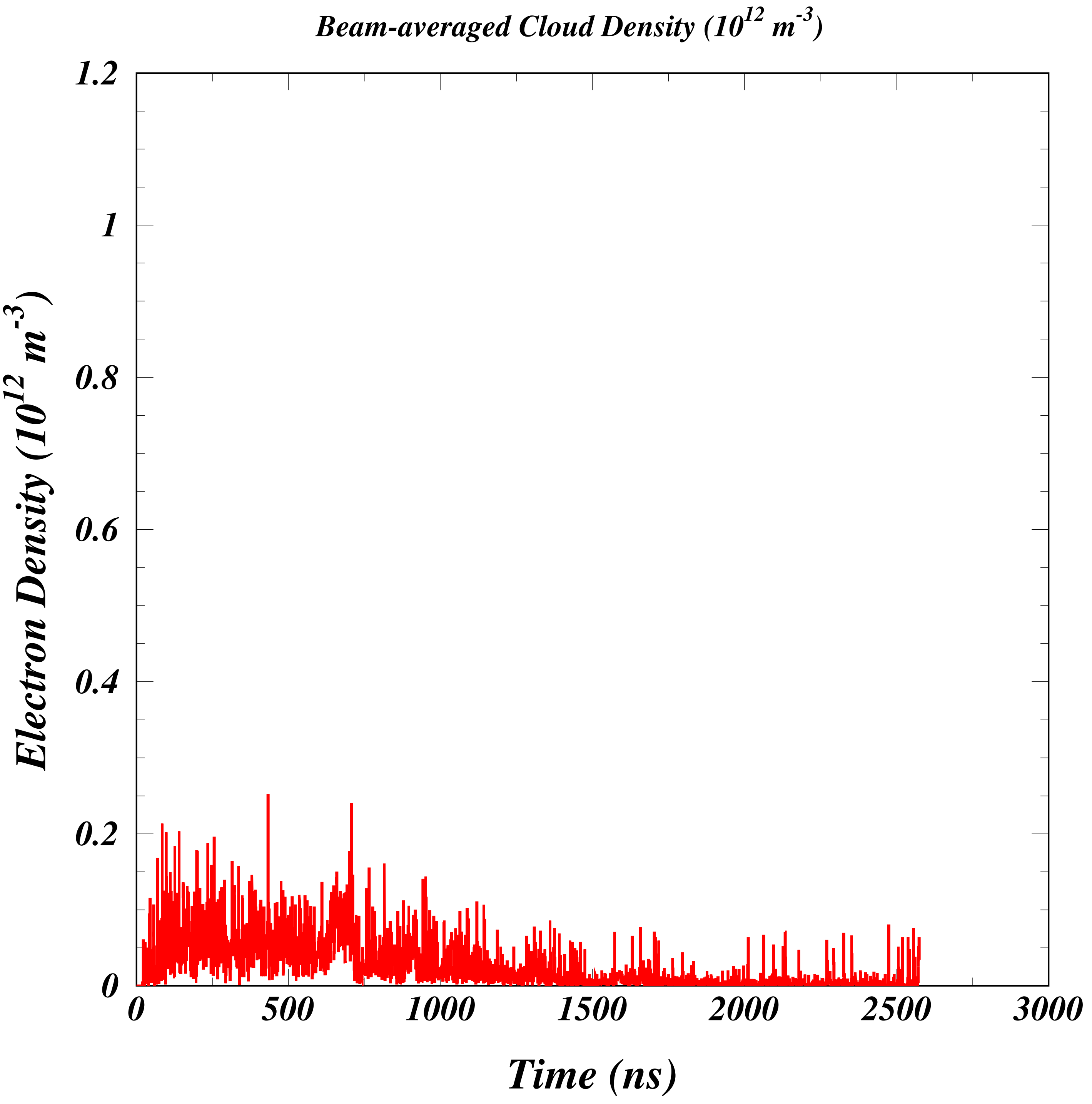
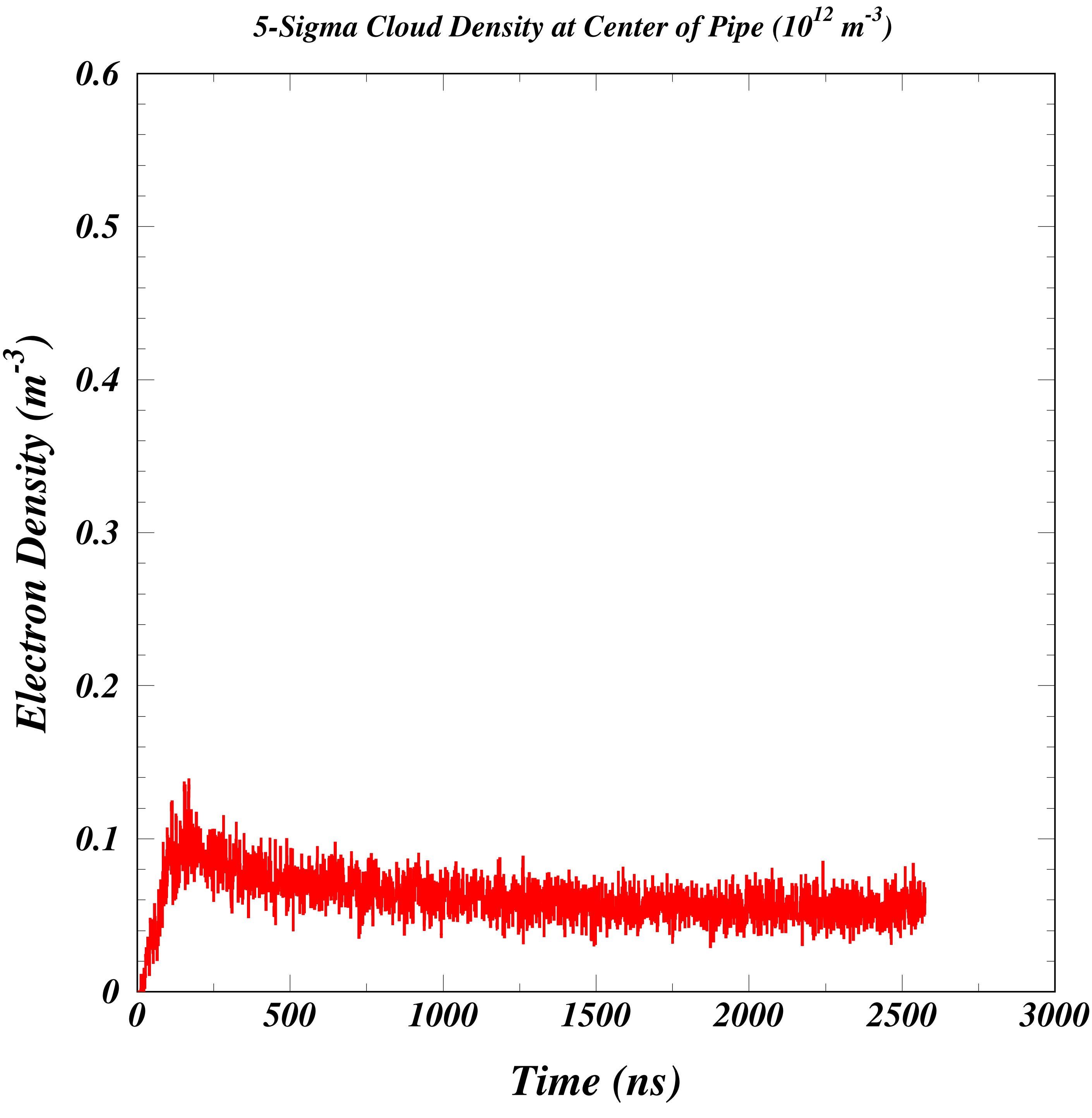


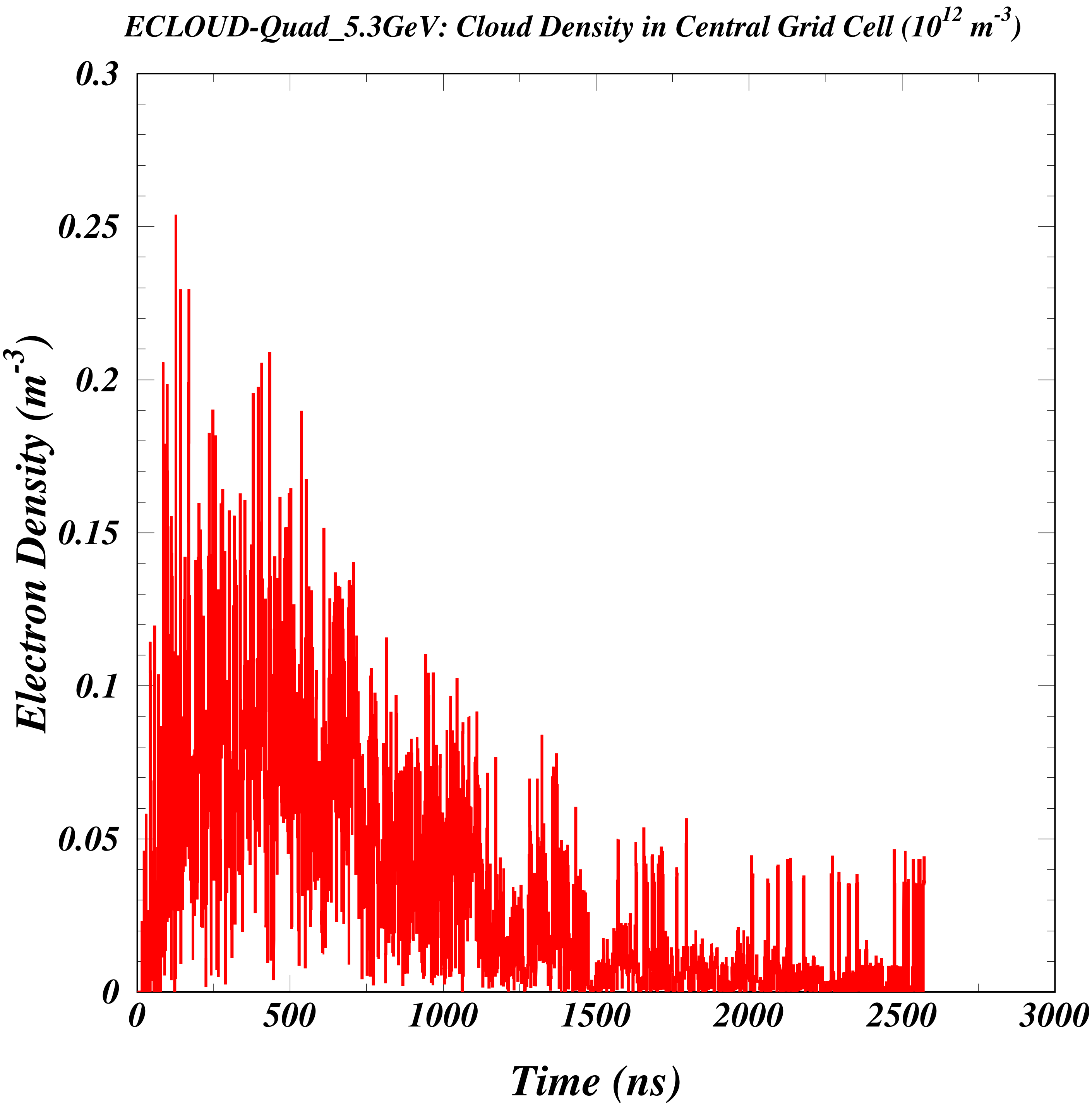
Beampipe-averaged Cloud Density (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0
0.1
0.2
0.3
0.4
0.5
0.6
0
500
1000
1500
2000
2500
3000
Time (ns)


Macroparticle Statistics
Number of Macroparticles (10^3)
250
225
200
175
150
125
100
75
50
25
0
0
500
1000
1500
2000
2500
3000
Time (ns)



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


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


ECLOUD-Quad_5.3GeV: Cloud Density in Central Grid Cell (10^{12} m^{-3})
Electron Density (m^{-3})
Time (ns)
0
0.05
0.1
0.15
0.2
0.25
0.3
0
500
1000
1500
2000
2500
3000