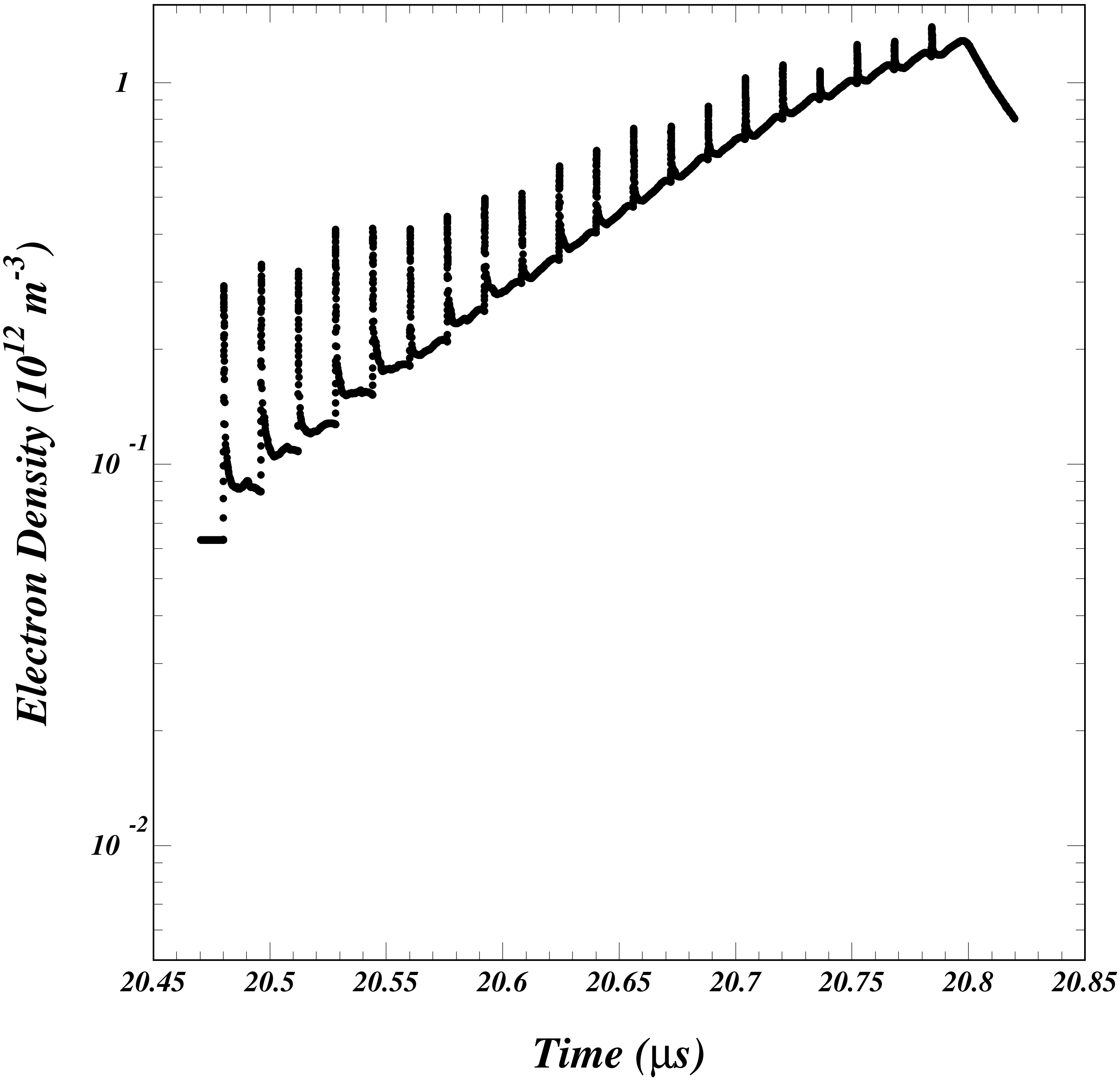
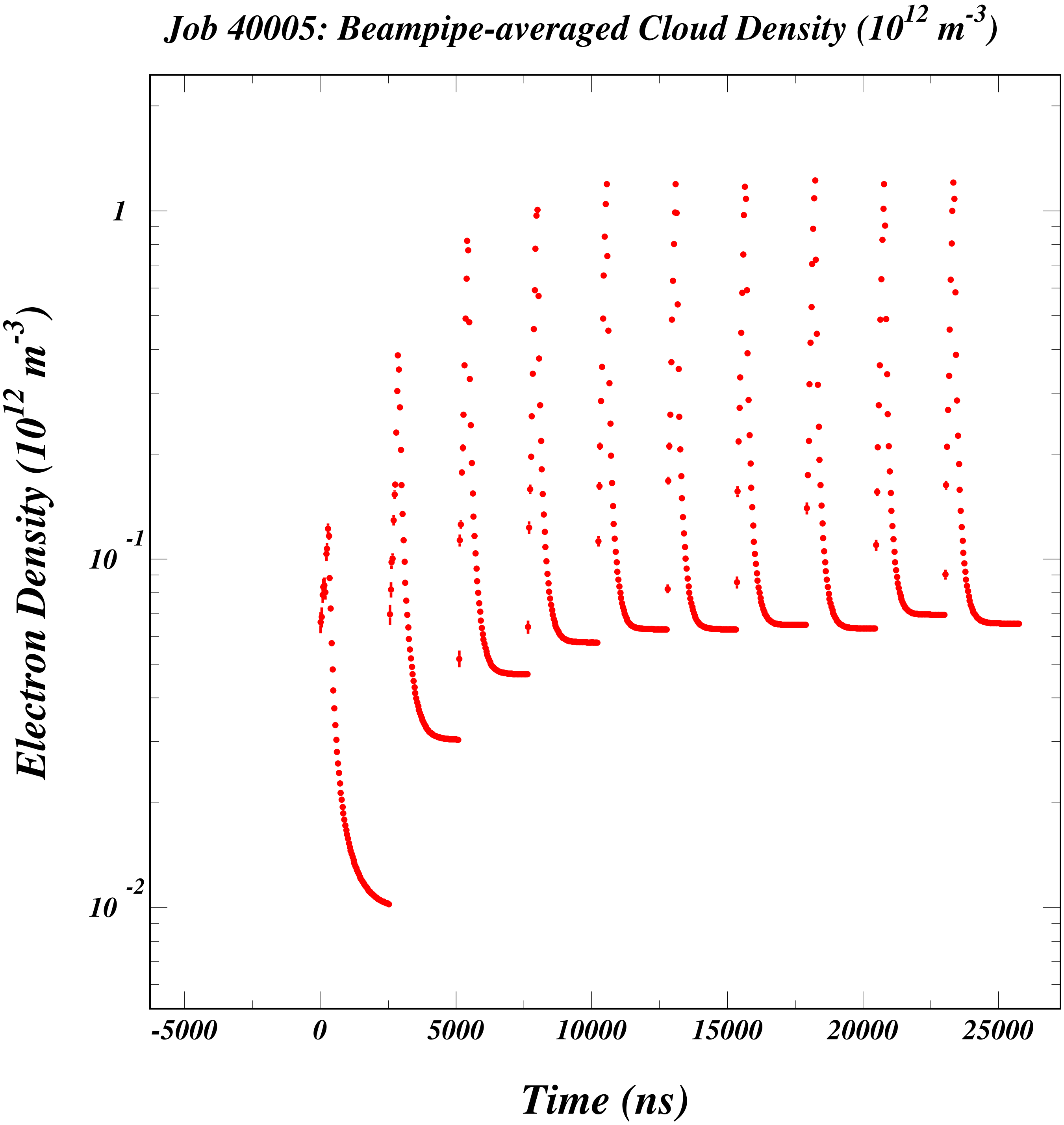
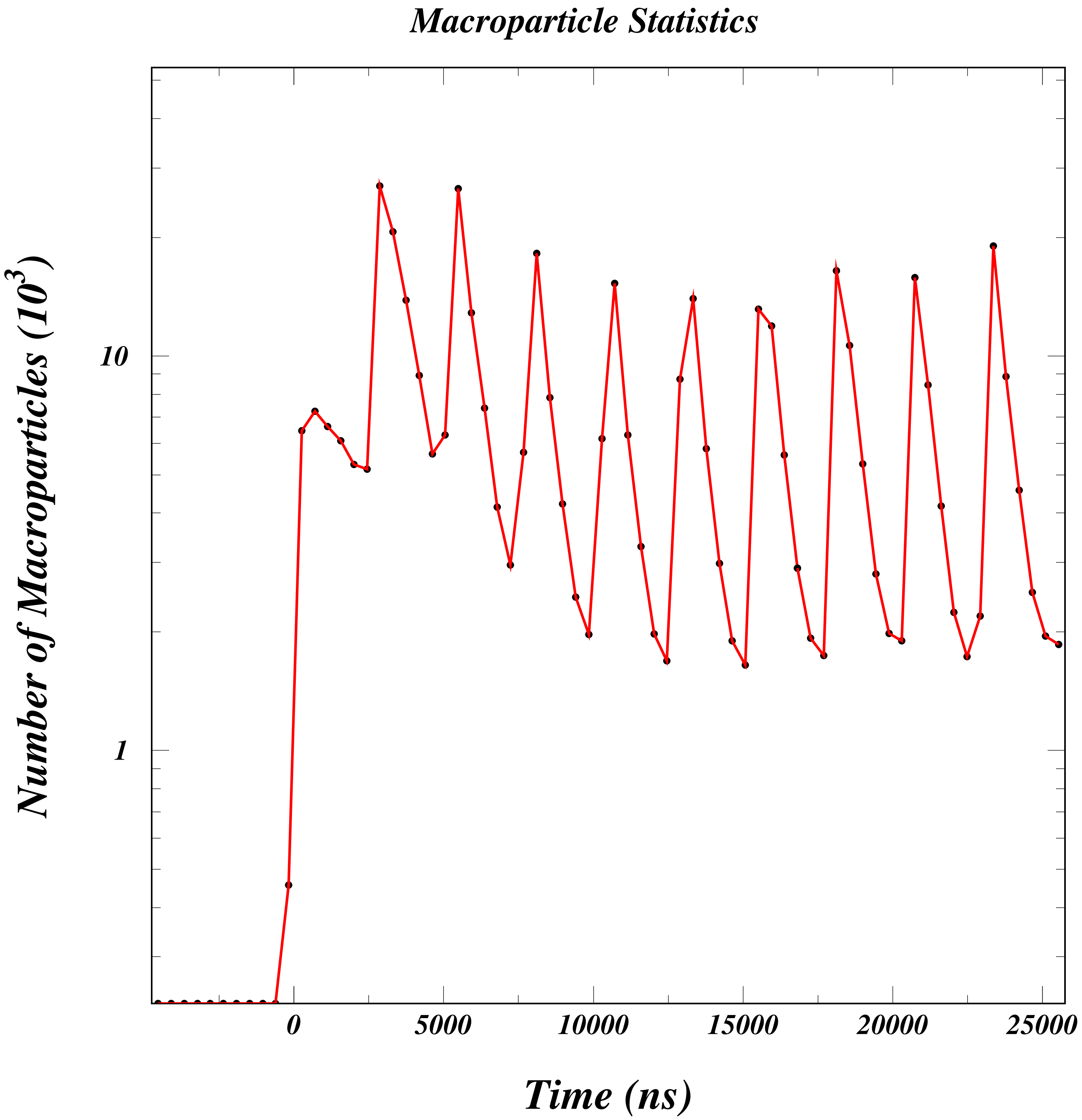
Job 40005: ECLOUD plots

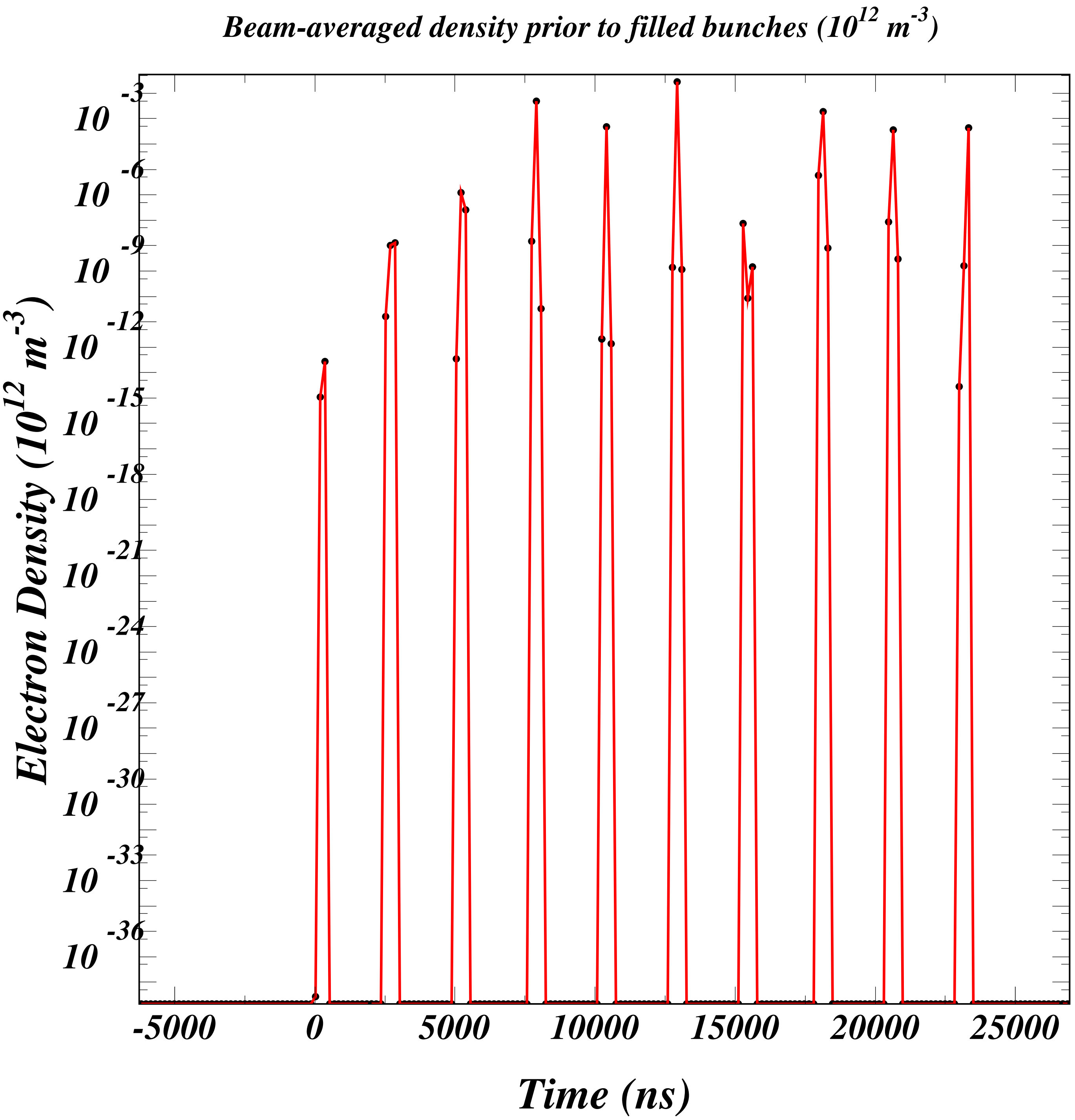




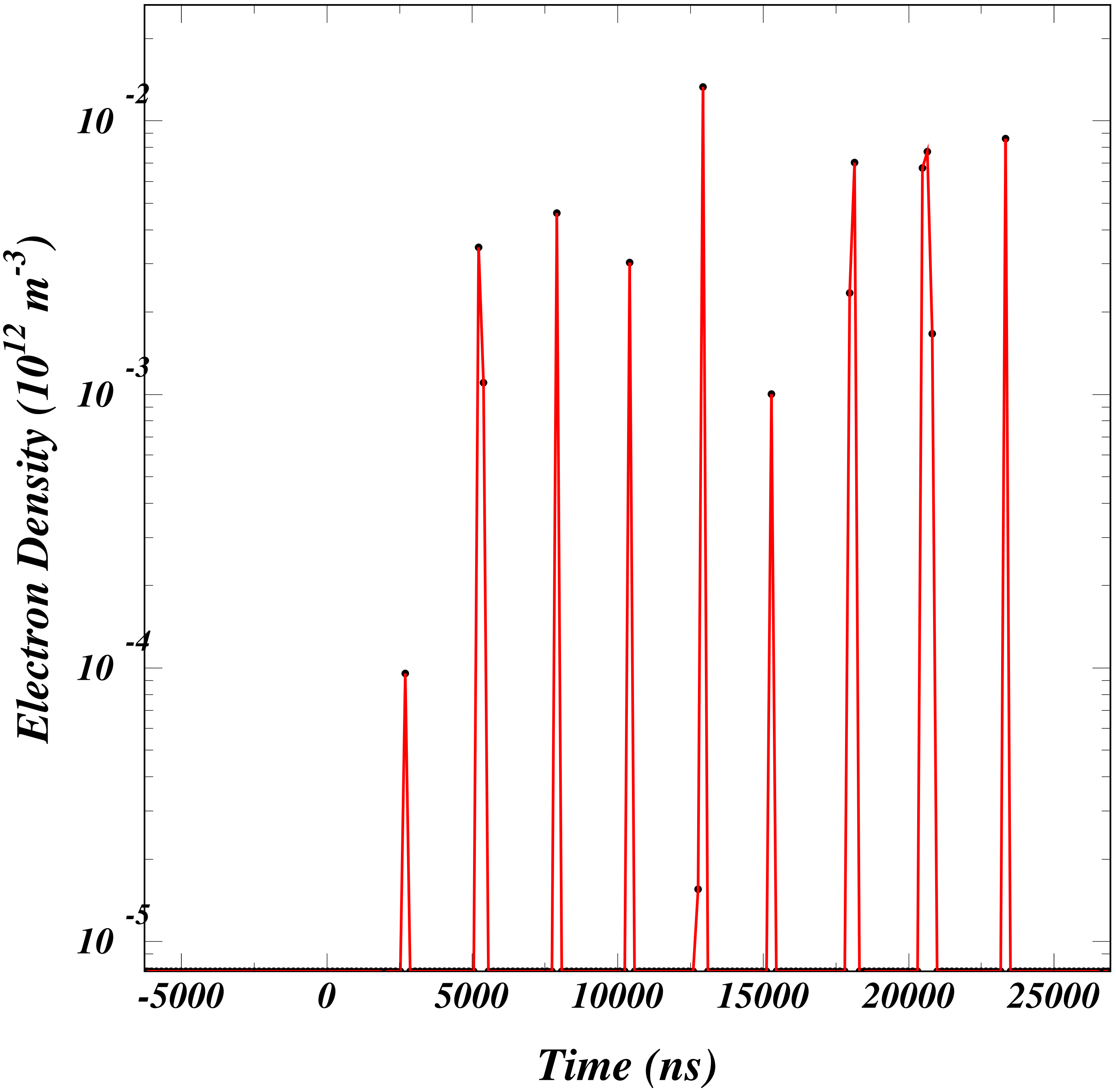
Job 40005: Beampipe-averaged Cloud Density (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
Time (ns)
1
10^{-1}
10^{-2}
-5000
0
5000
10000
15000
20000
25000

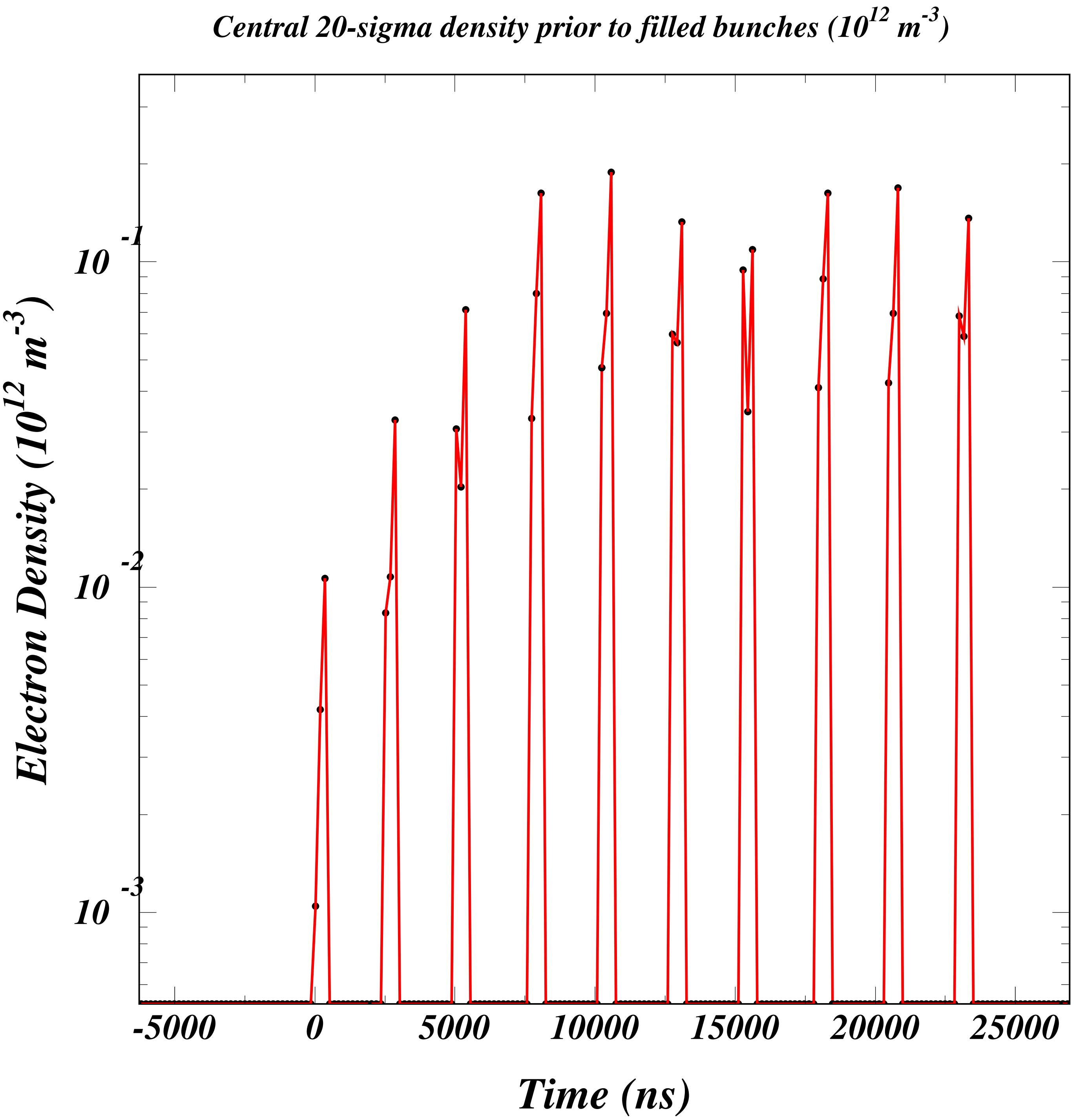


Macroparticle Statistics
Number of Macroparticles (10^3)
10
1
0
5000
10000
15000
20000
25000
Time (ns)


Beam-averaged density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
Time (ns)
10^{-3}
10^{-6}
10^{-9}
10^{-12}
10^{-15}
10^{-18}
10^{-21}
10^{-24}
10^{-27}
10^{-30}
10^{-33}
10^{-36}
-5000
0
5000
10000
15000
20000
25000

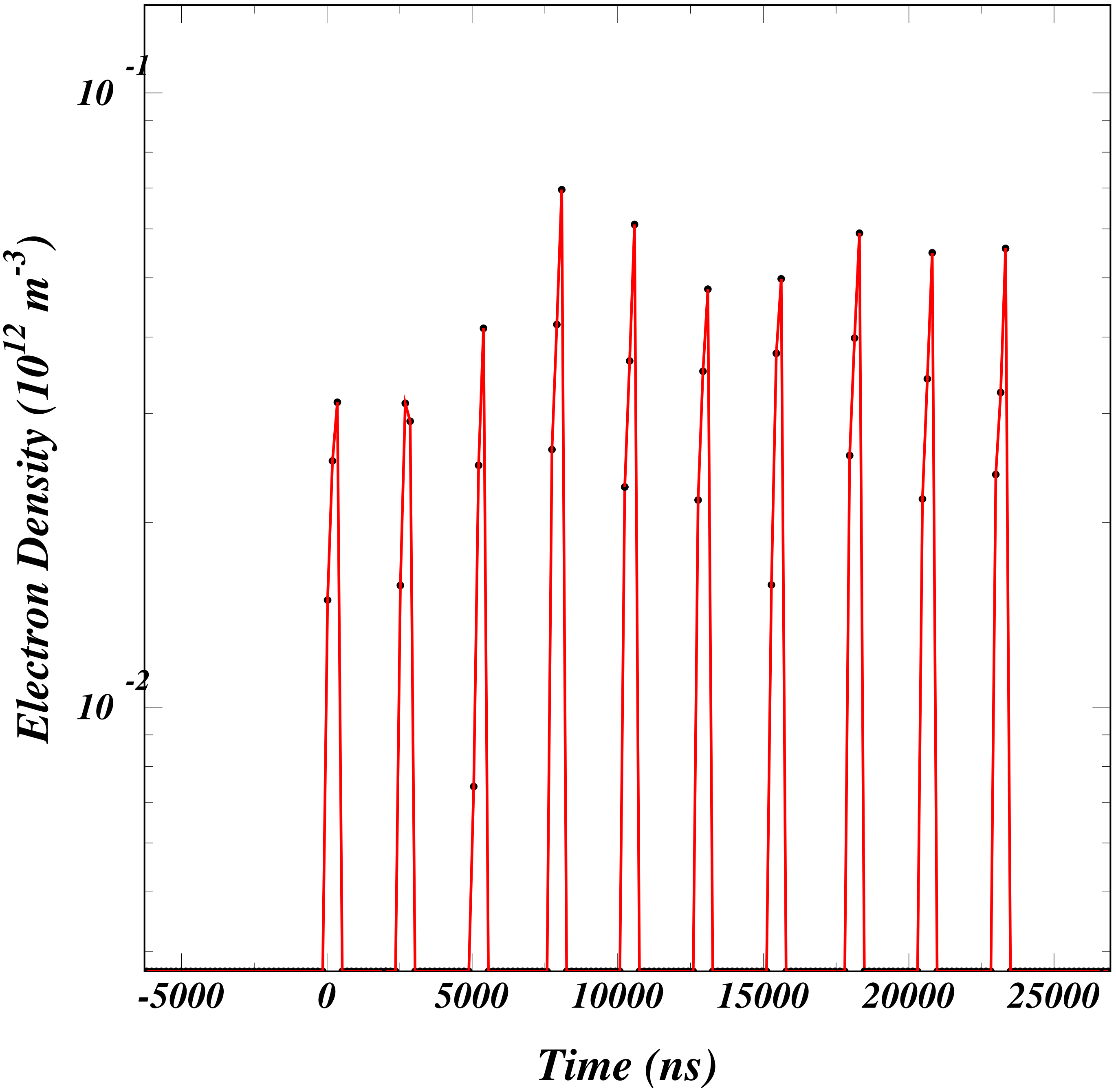
Central 5-sigma density prior to filled bunches ($10^{12}\ m^{-3}$)

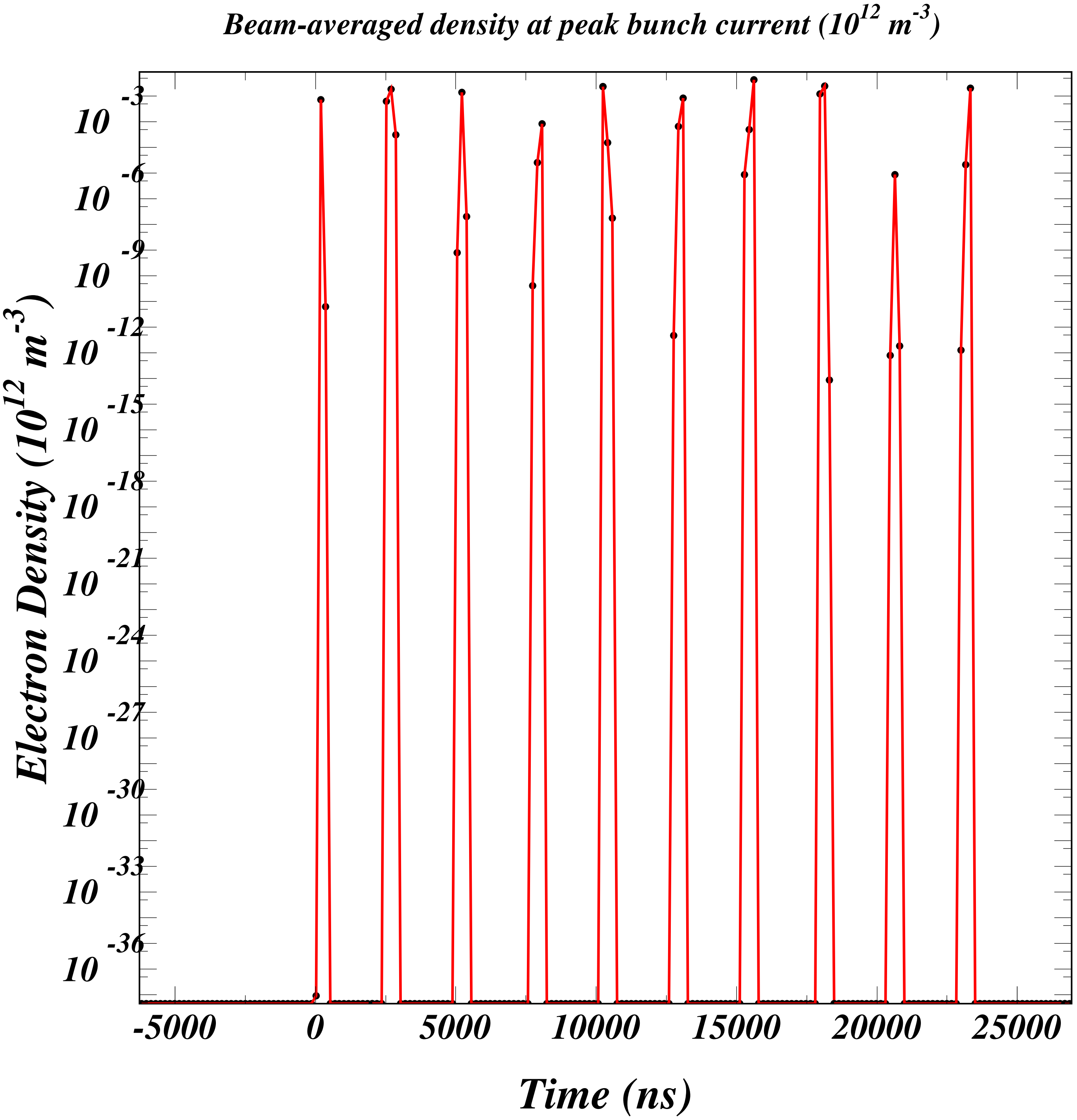


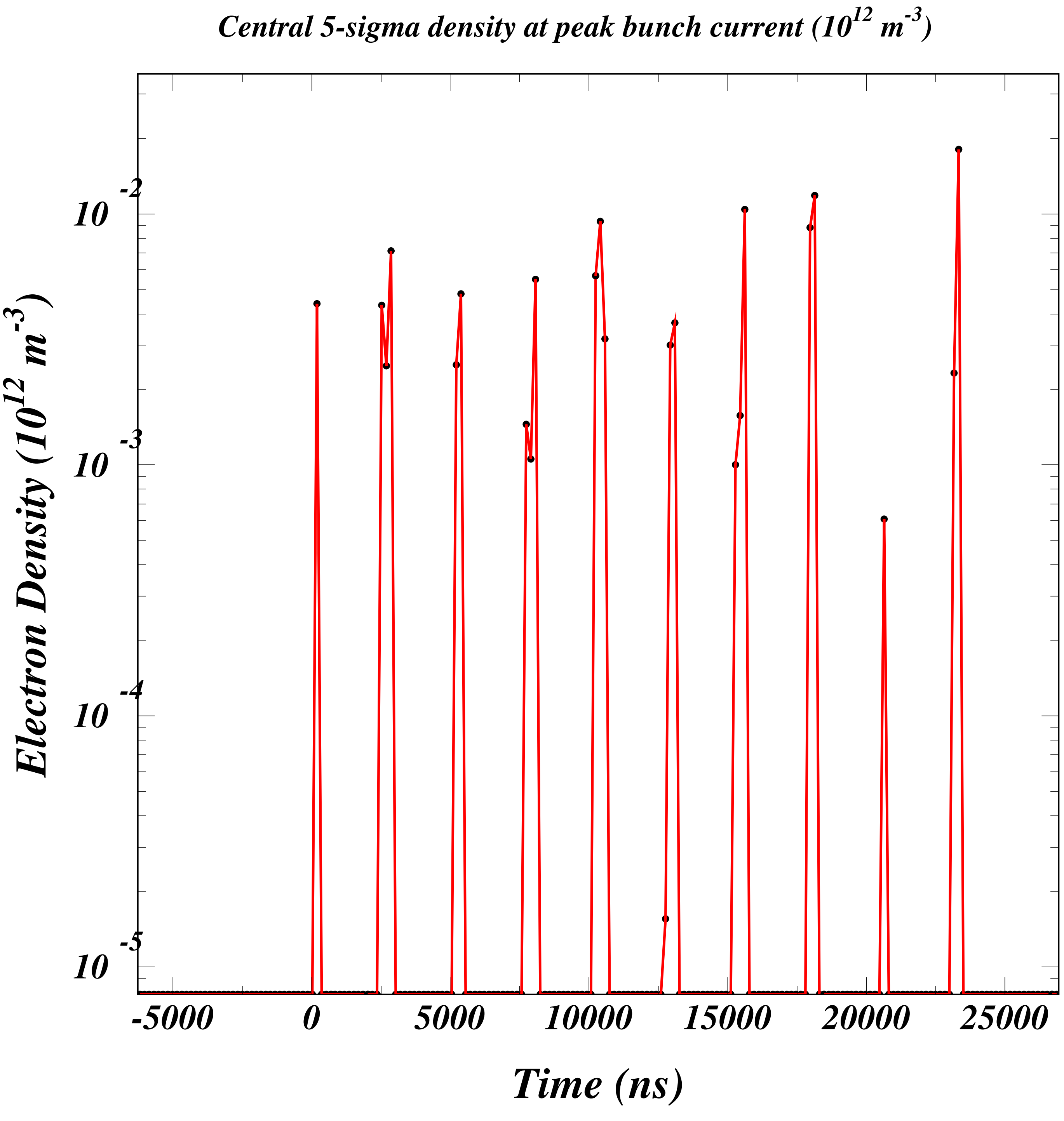


Central 20-sigma density prior to filled bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
10^{-1}
10^{-2}
10^{-3}
-5000
0
5000
10000
15000
20000
25000
Time (ns)

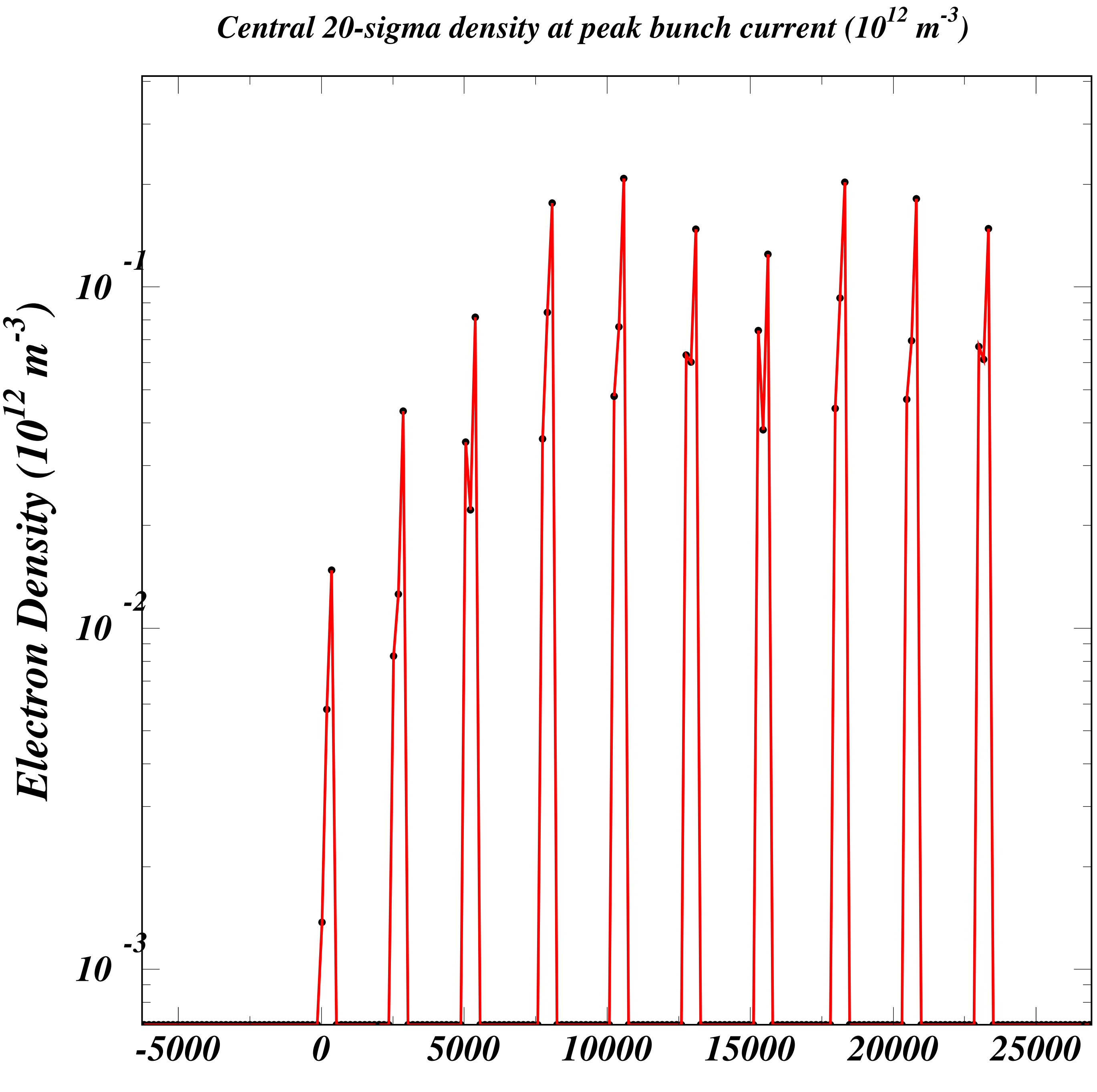
Central 100-sigma density prior to filled bunches (10^{12} m^{-3})

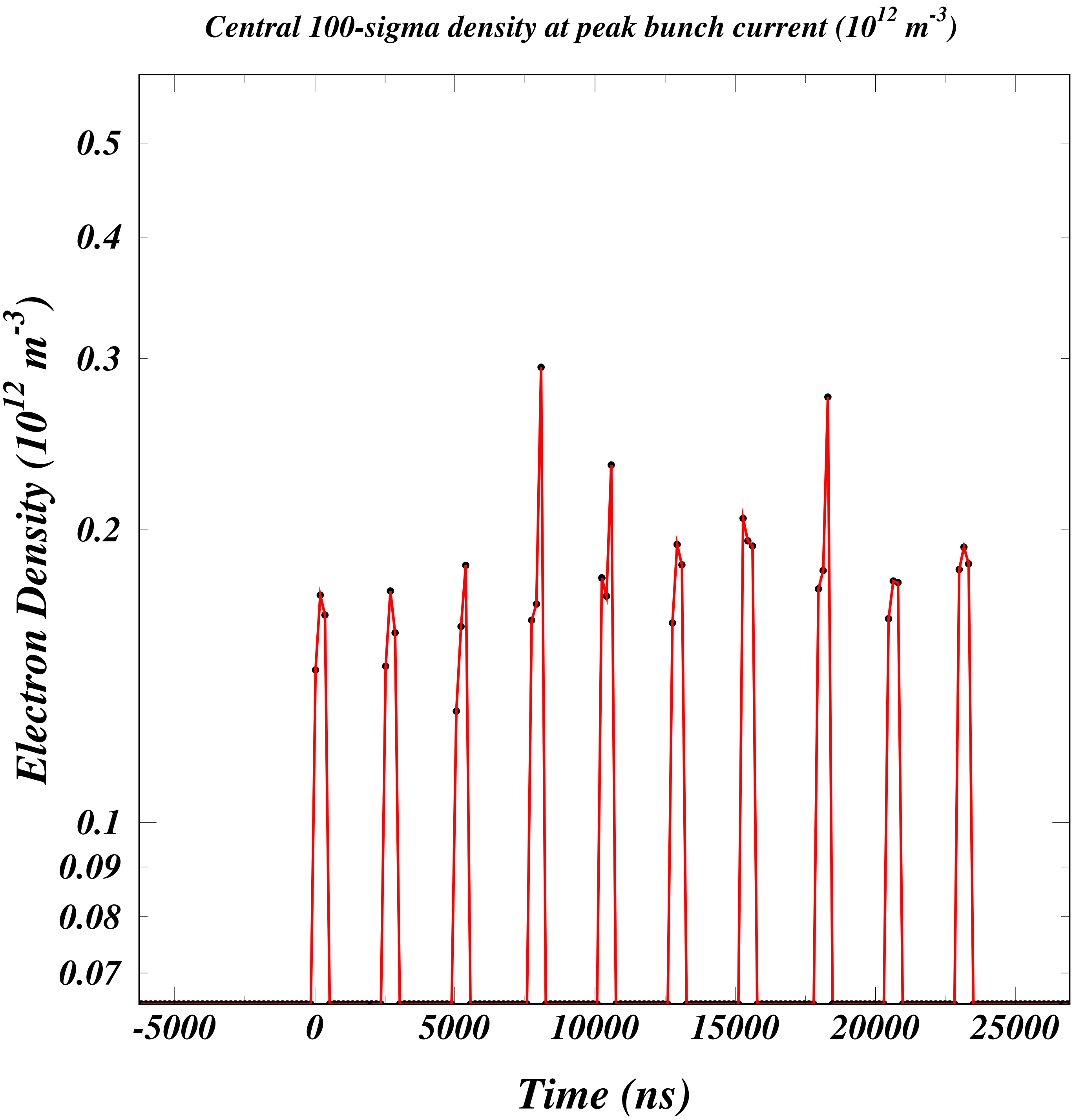



Beam-averaged density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
Time (ns)
10^{-3}
10^{-6}
10^{-9}
10^{-12}
10^{-15}
10^{-18}
10^{-21}
10^{-24}
10^{-27}
10^{-30}
10^{-33}
10^{-36}
-5000
0
5000
10000
15000
20000
25000



Central 5-sigma density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
10^{-2}
10^{-3}
10^{-4}
10^{-5}
-5000
0
5000
10000
15000
20000
25000
Time (ns)


Central 20-sigma density at peak bunch current (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
10^{-1}
10^{-2}
10^{-3}
-5000
0
5000
10000
15000
20000
25000
Time (ns)



Central 100-sigma density at peak bunch current (10^{12} m^{-3})
0.5
0.4
0.3
0.2
0.1
0.09
0.08
0.07
Electron Density (10^{12} m^{-3})
-5000
0
5000
10000
15000
20000
25000
Time (ns)