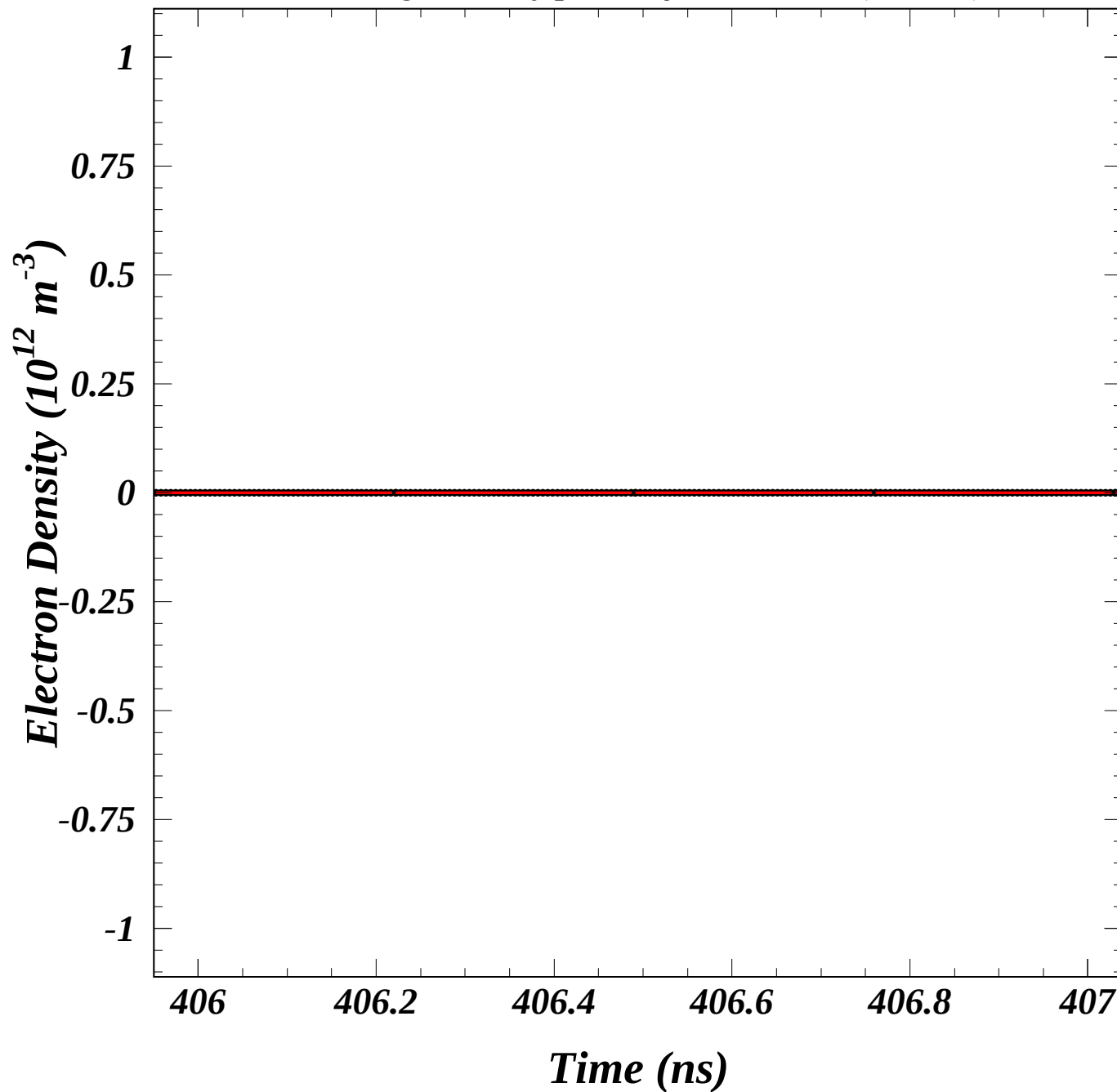
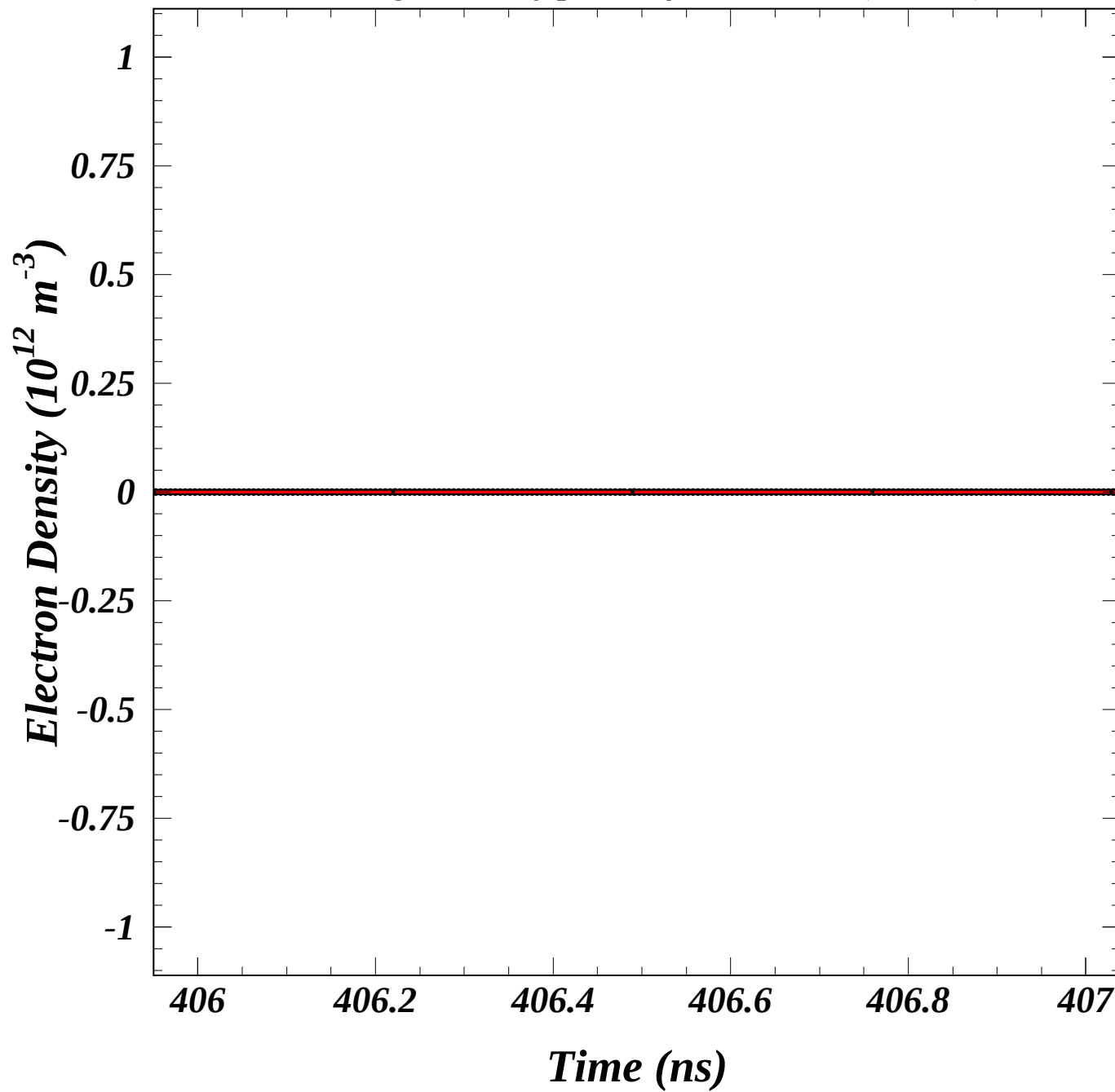
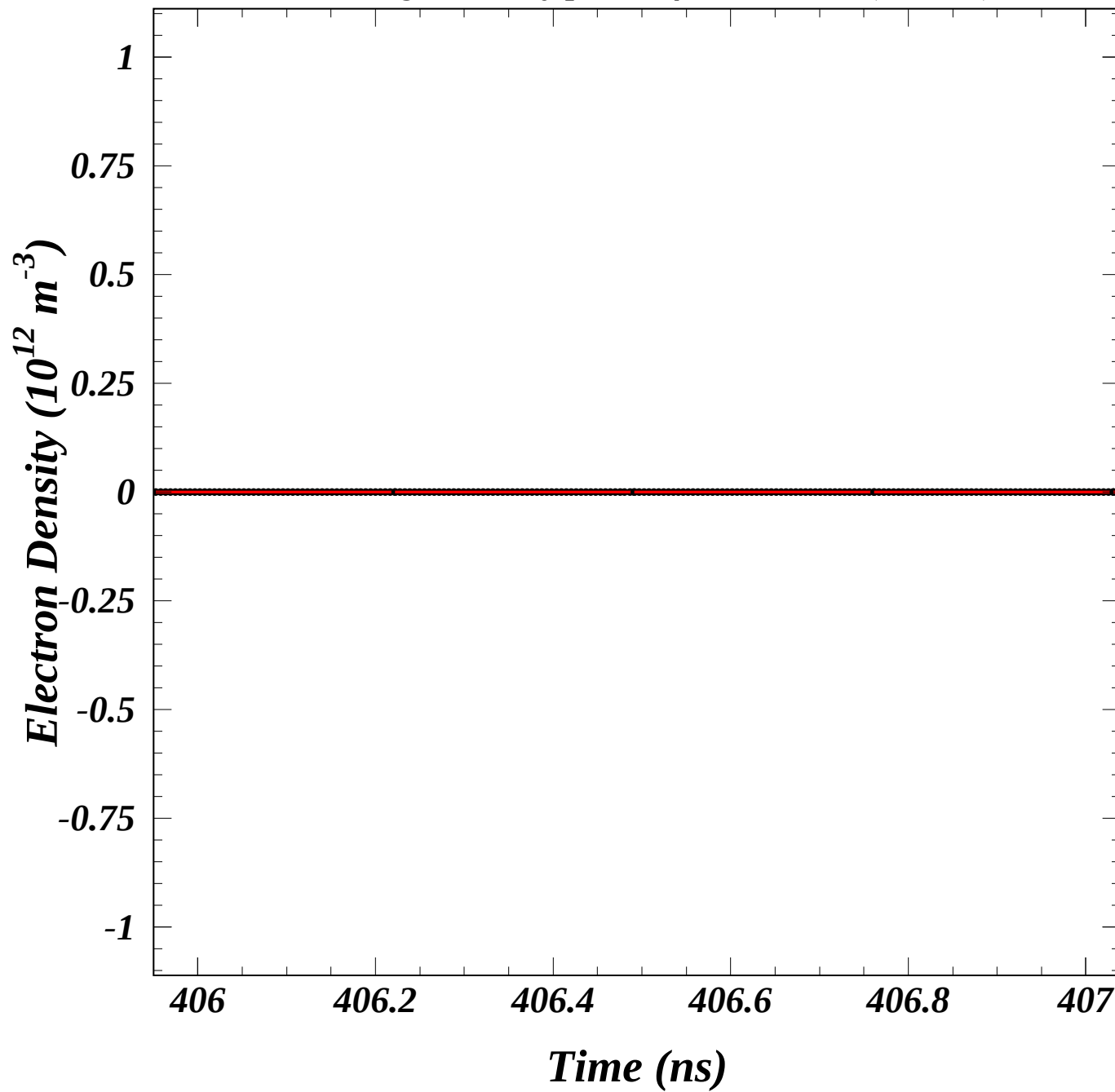


Beam-averaged density prior to filled bunches (10^{12} m^{-3})

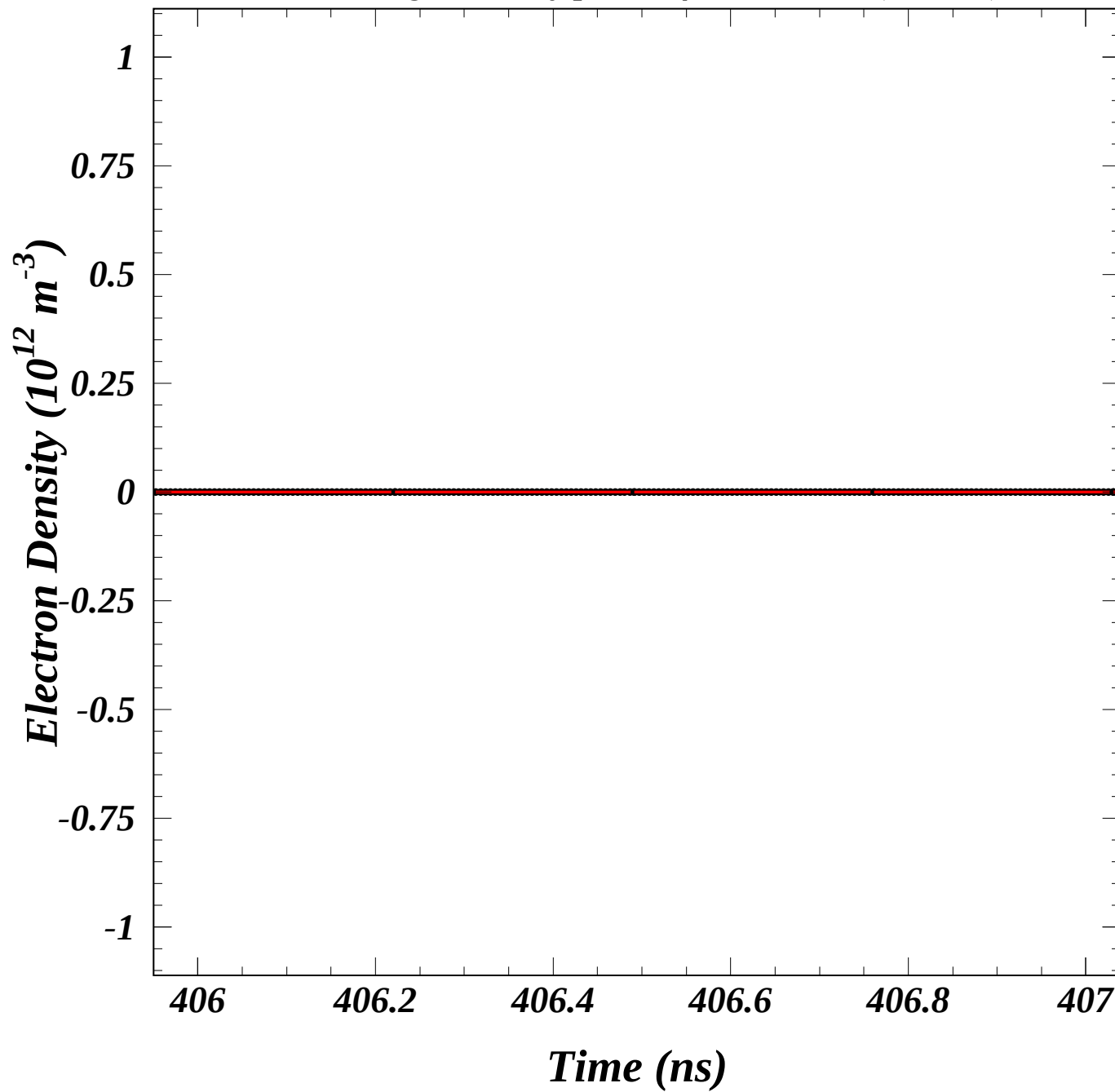


Central 5-sigma density prior to filled bunches (10^{12} m^{-3})

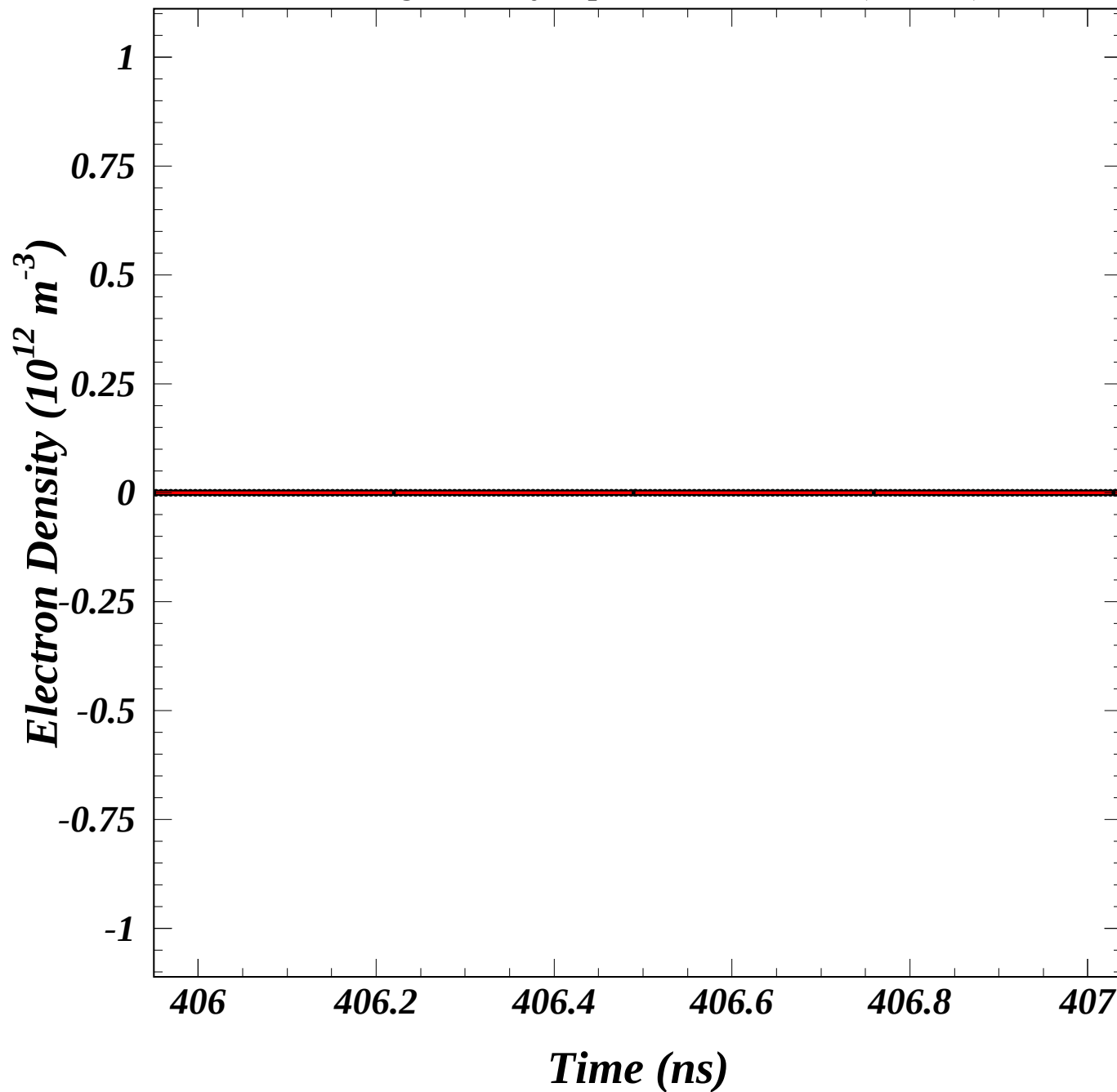
Central 20-sigma density prior to filled bunches (10^{12} m^{-3})

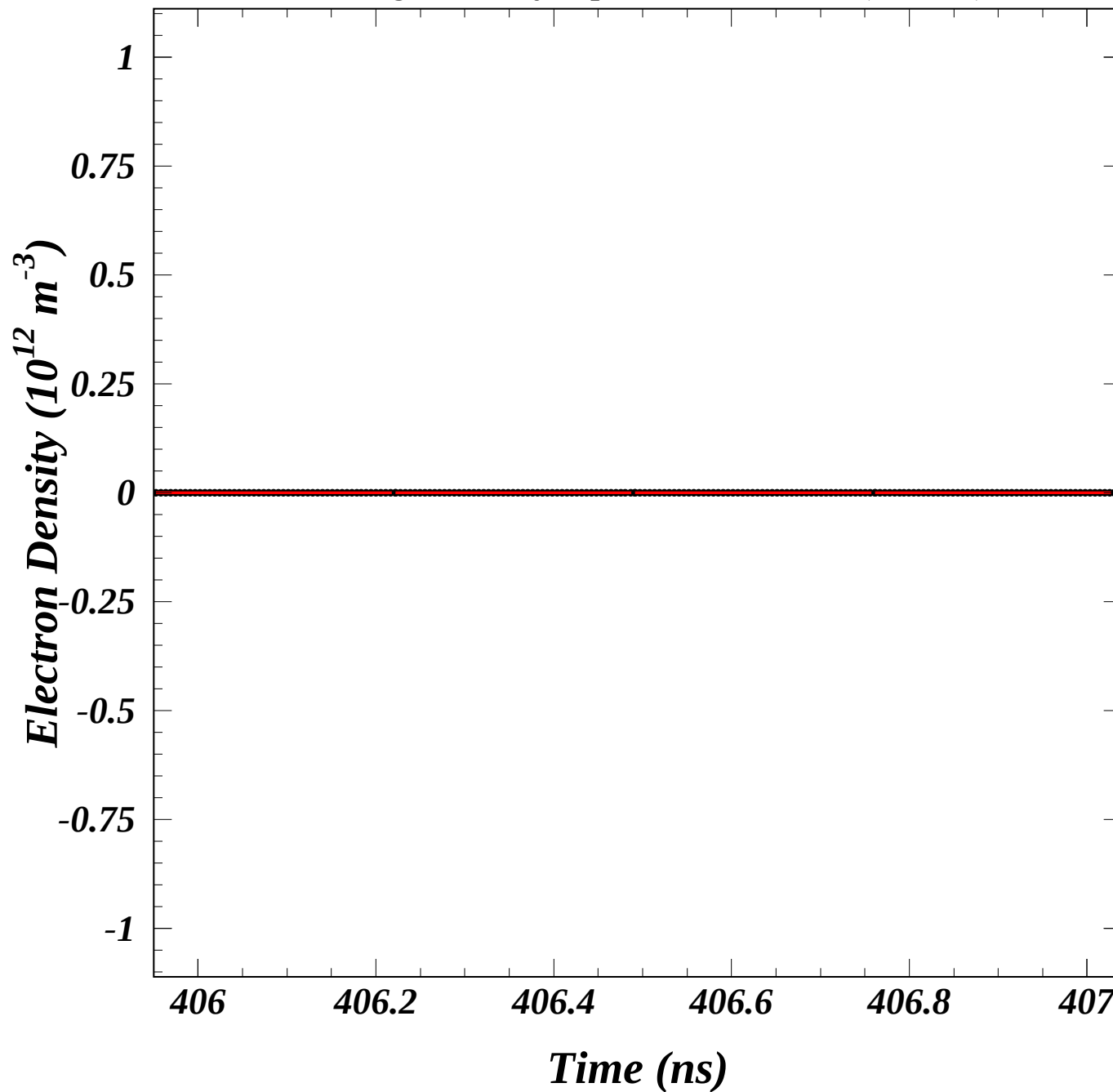


Central 100-sigma density prior to filled bunches (10^{12} m^{-3})

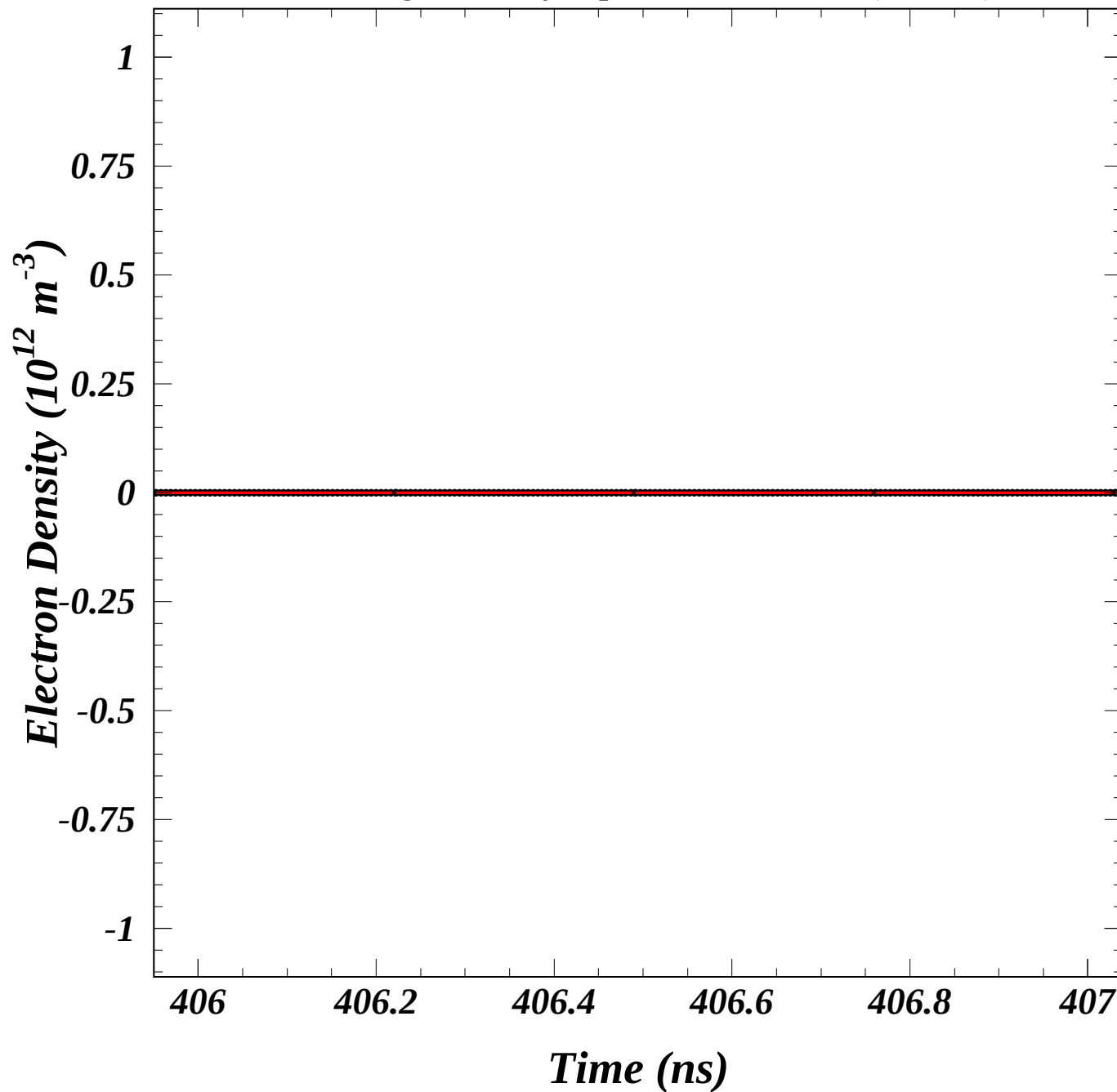


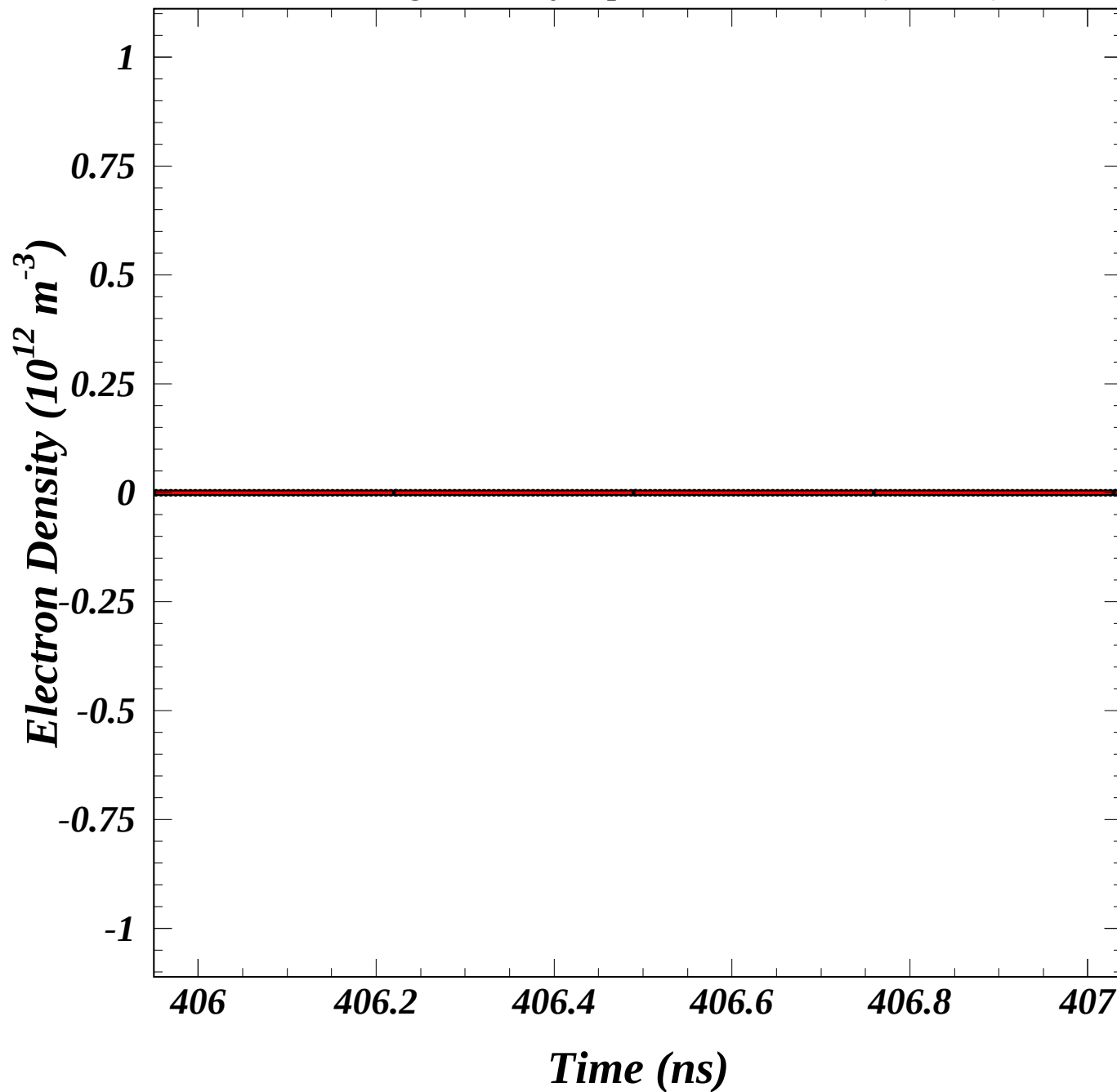
Beam-averaged density at peak bunch current (10^{12} m^{-3})

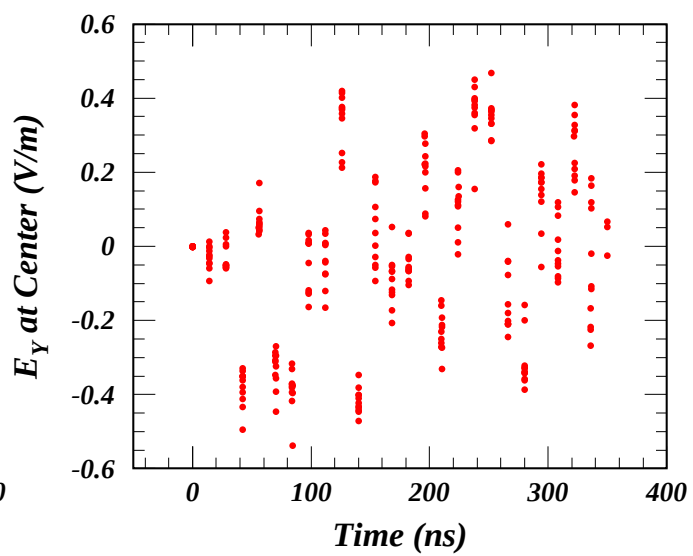
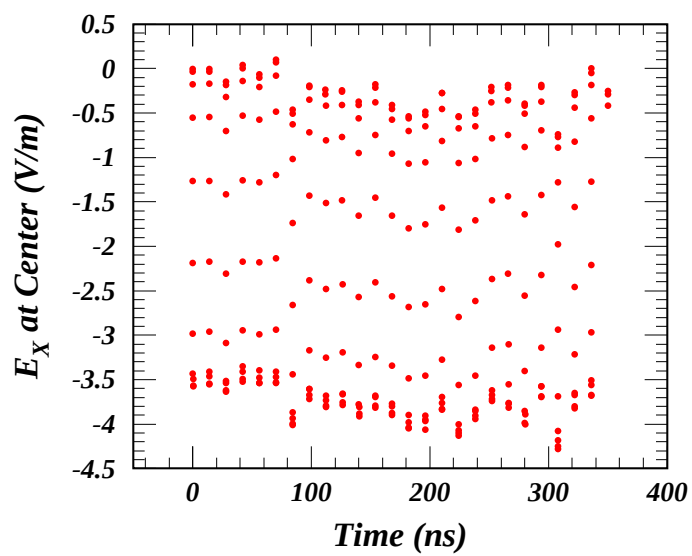


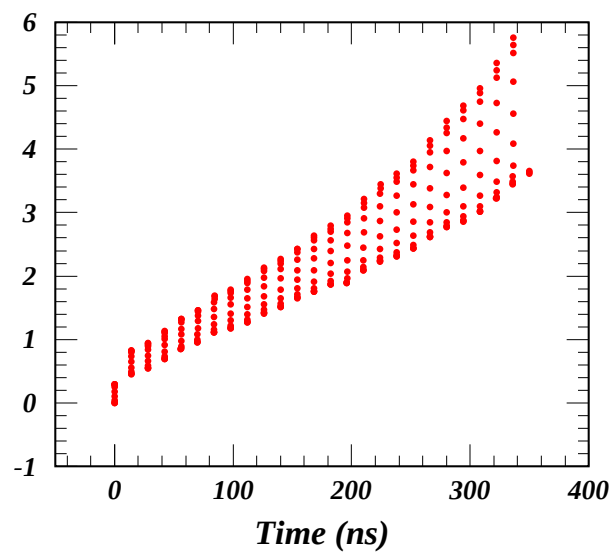
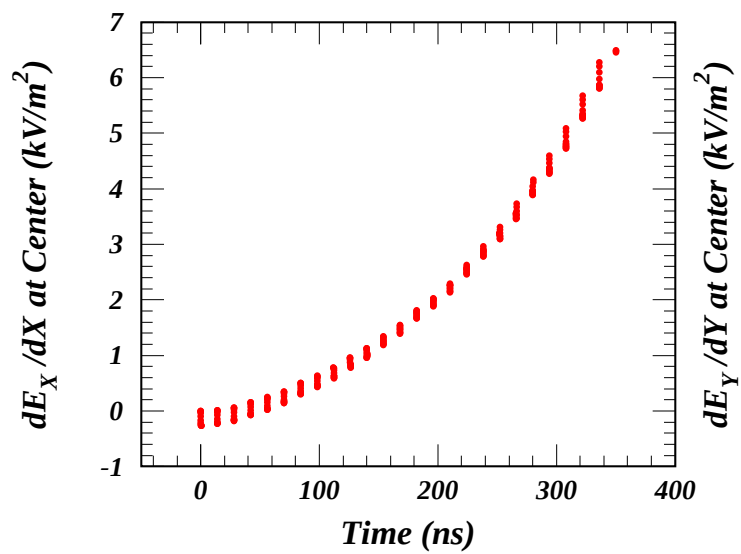
Central 5-sigma density at peak bunch current (10^{12} m^{-3})

Central 20-sigma density at peak bunch current (10^{12} m^{-3})

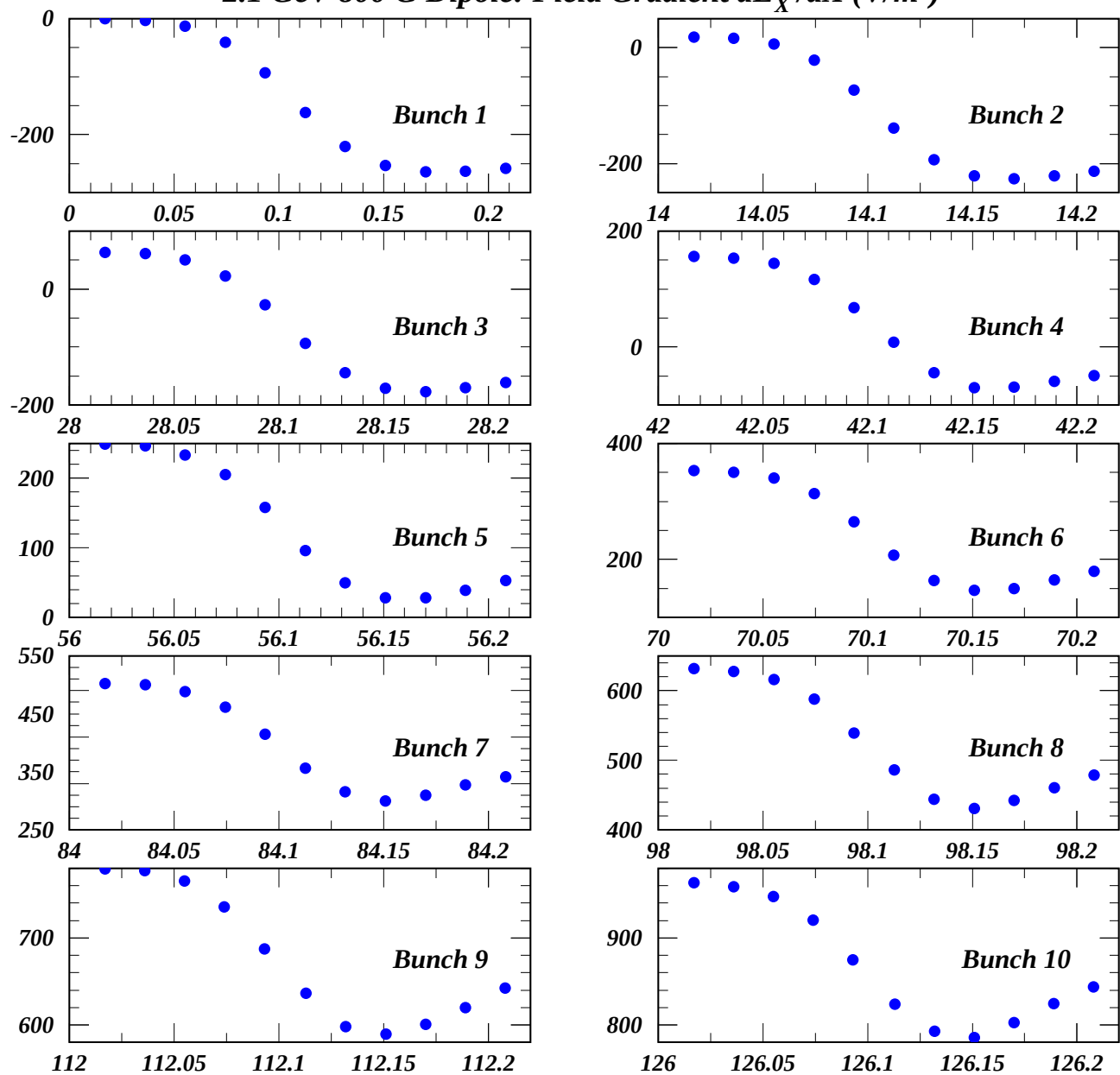


Central 100-sigma density at peak bunch current (10^{12} m^{-3})

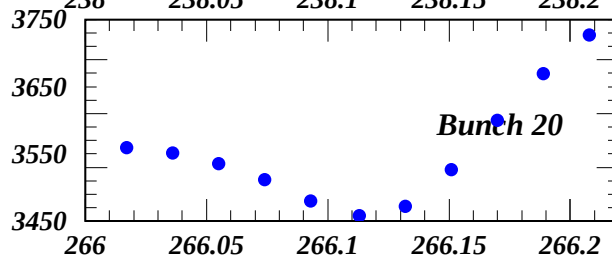
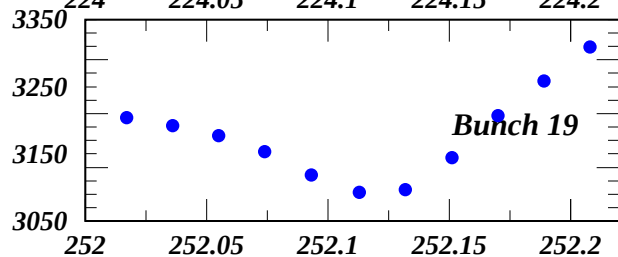
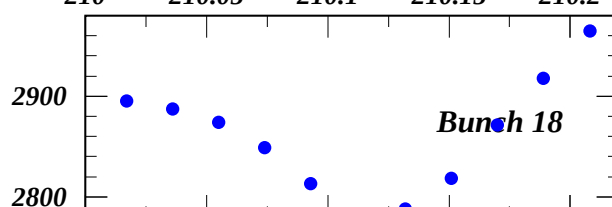
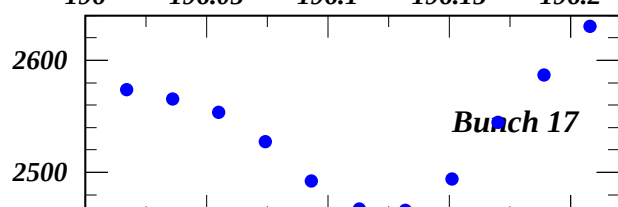
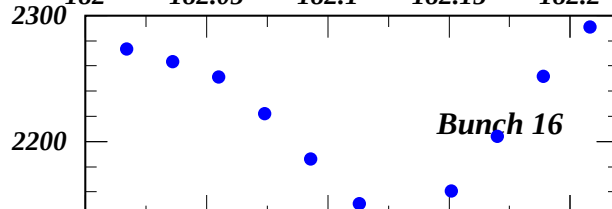
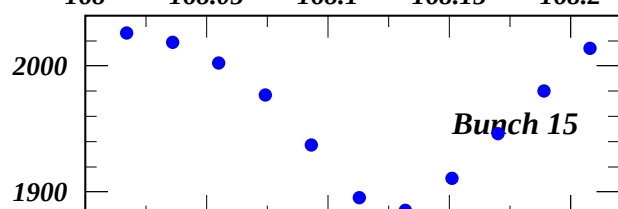
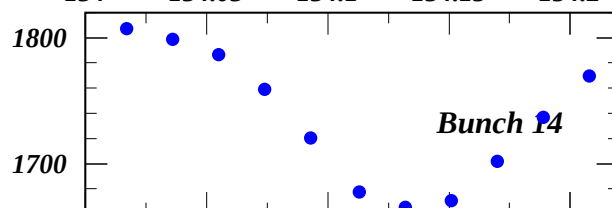
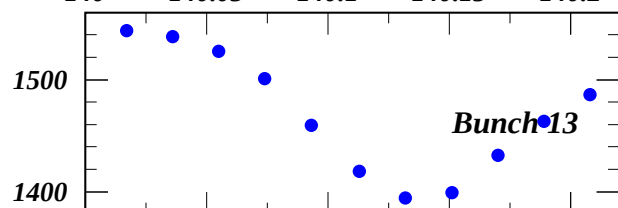
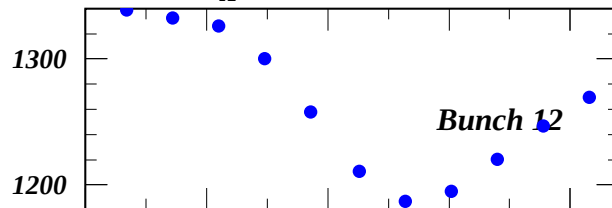
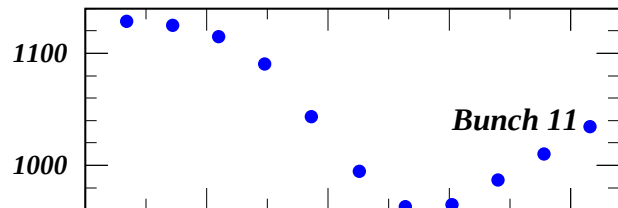




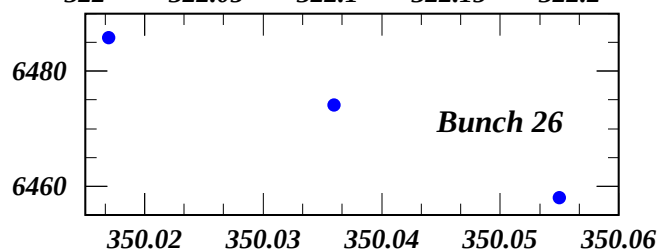
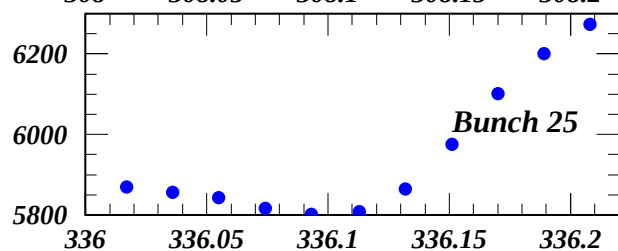
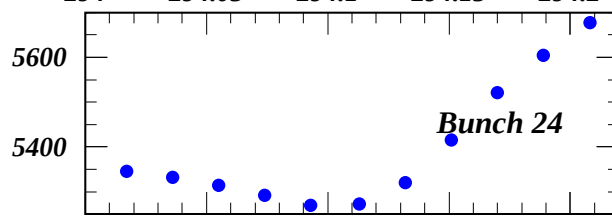
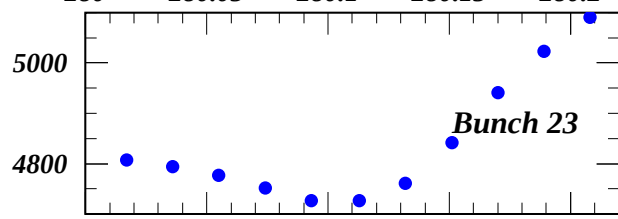
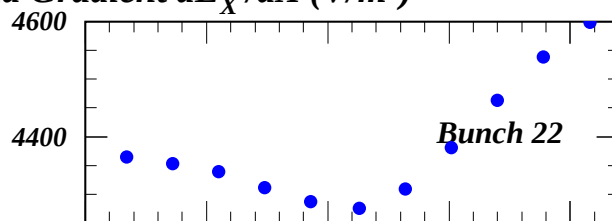
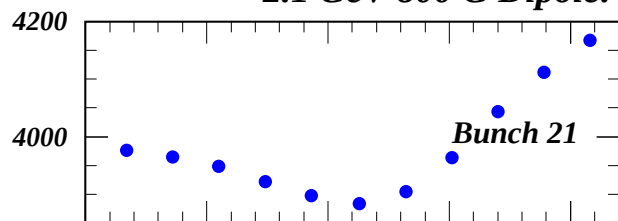
2.1 GeV 800 G Dipole: Field Gradient dE_x/dX (V/m²)



2.1 GeV 800 G Dipole: Field Gradient dE_x/dX (V/m²)



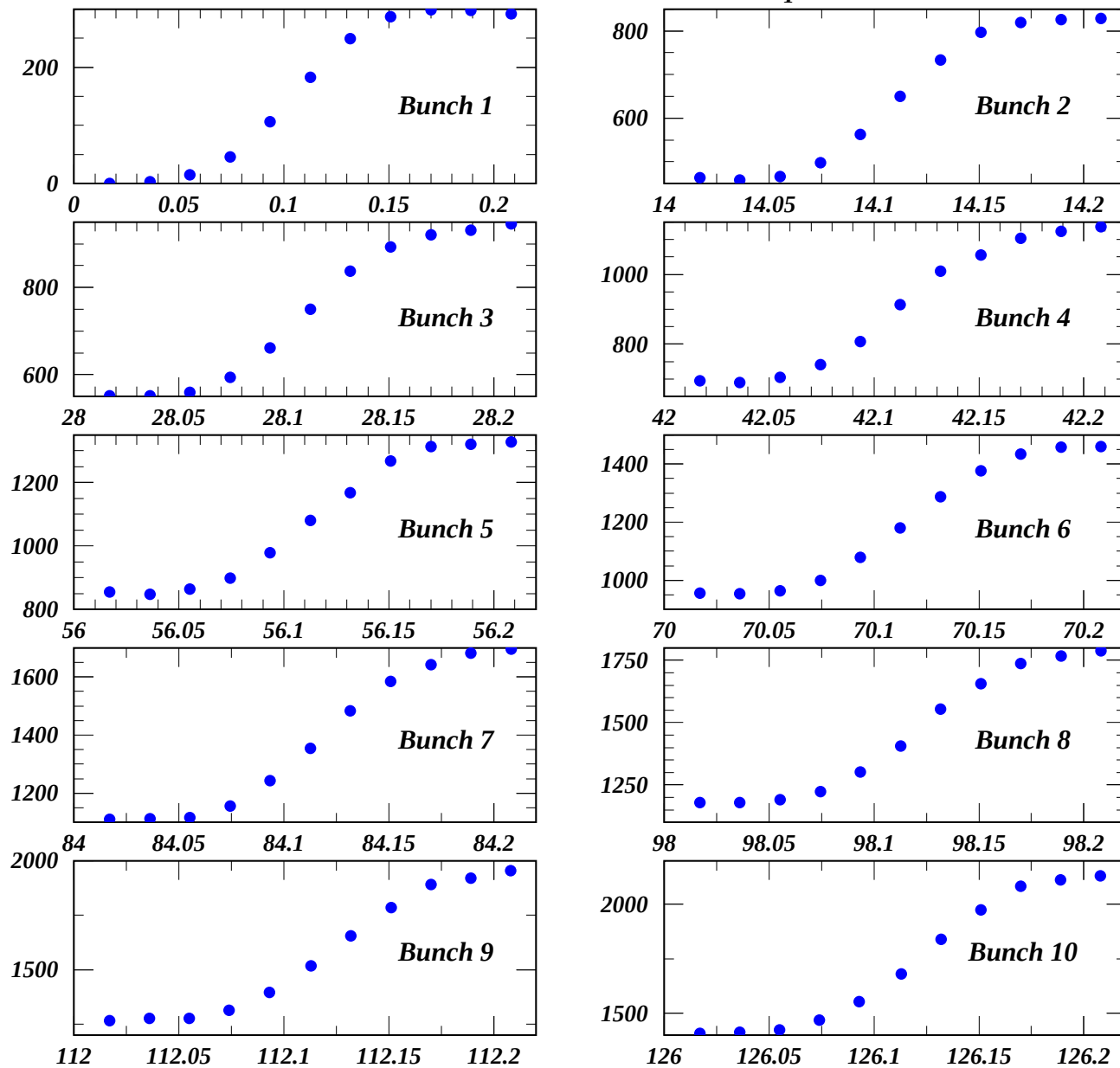
2.1 GeV 800 G Dipole: Field Gradient dE_x/dX (V/m^2)



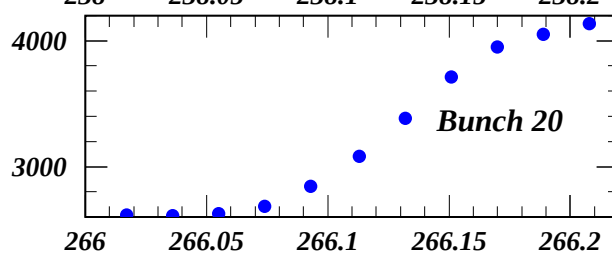
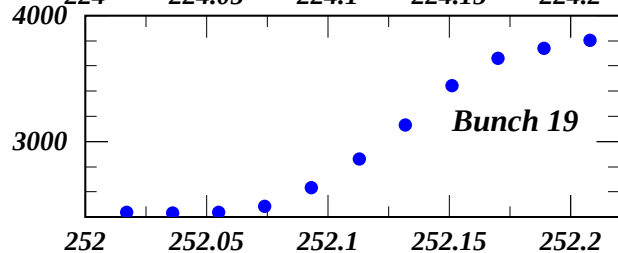
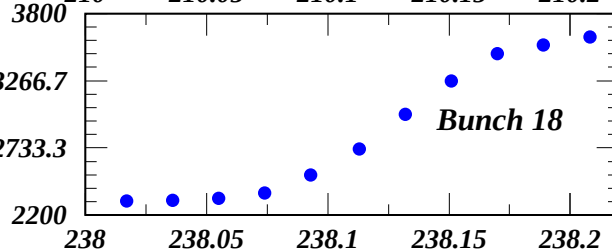
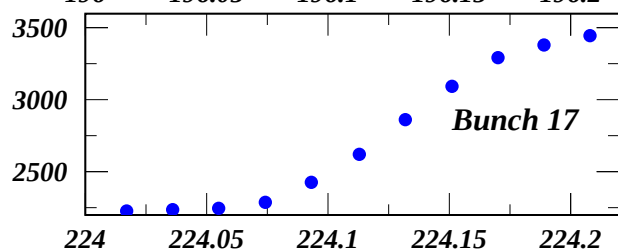
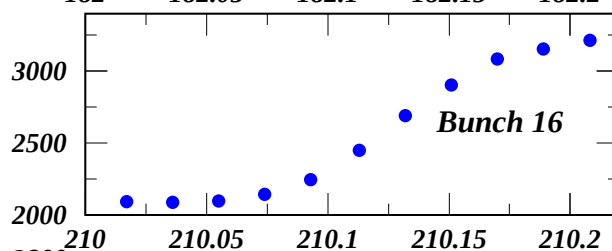
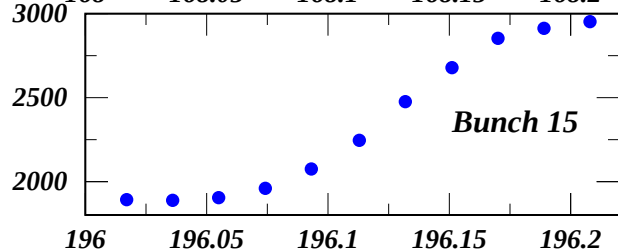
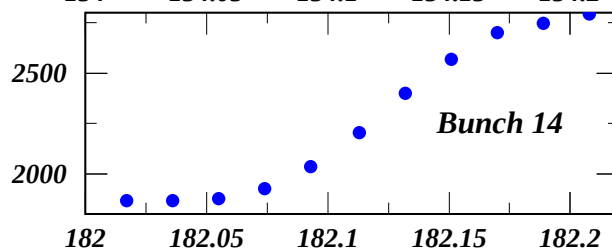
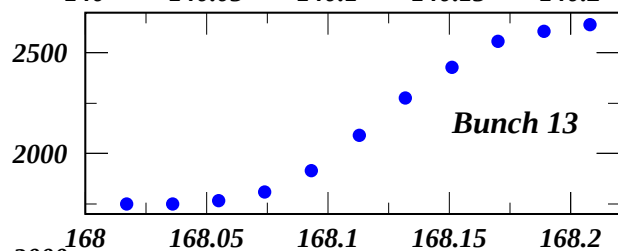
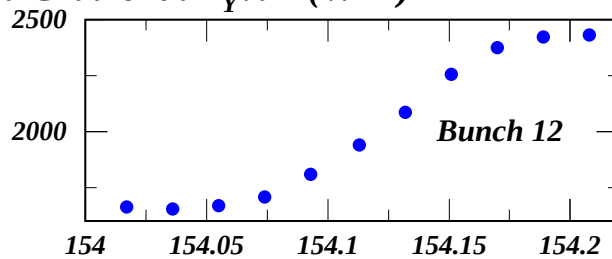
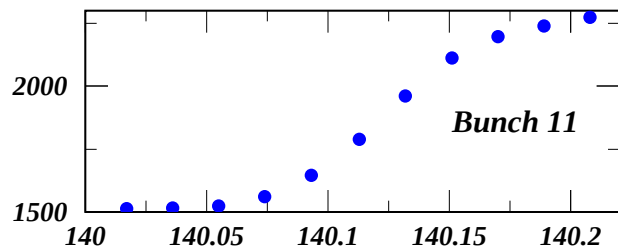
Time (ns)

Time (ns)

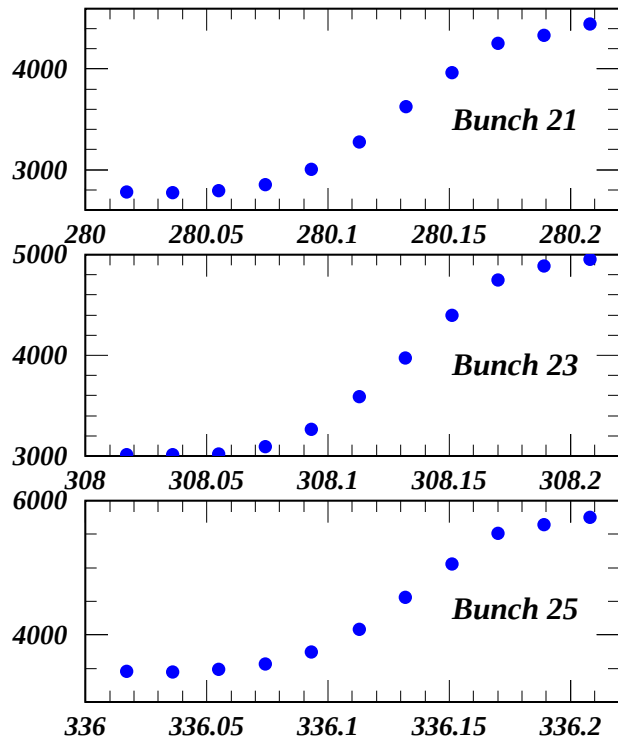
2.1 GeV 800 G Dipole: Field Gradient dE_Y/dY (V/m^2)



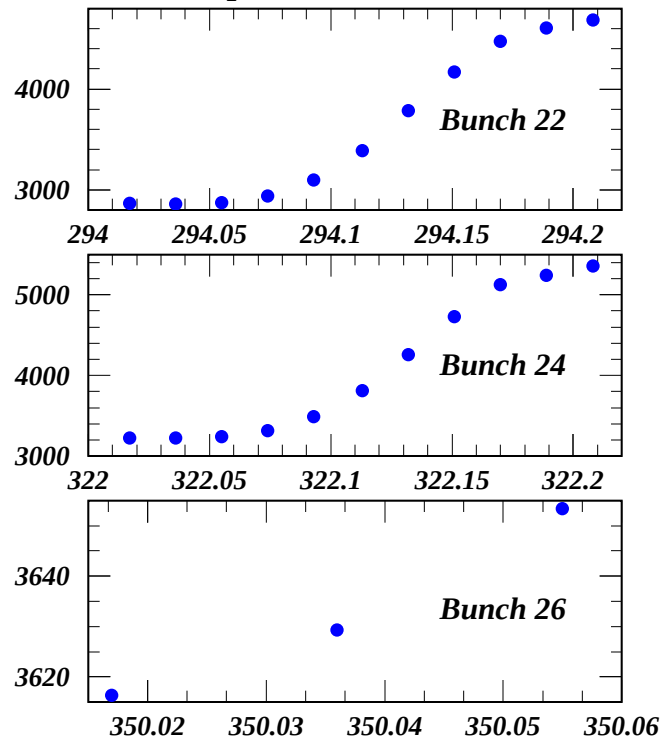
2.1 GeV 800 G Dipole: Field Gradient dE_Y/dY (V/m²)



2.1 GeV 800 G Dipole: Field Gradient dE_Y/dY (V/m^2)

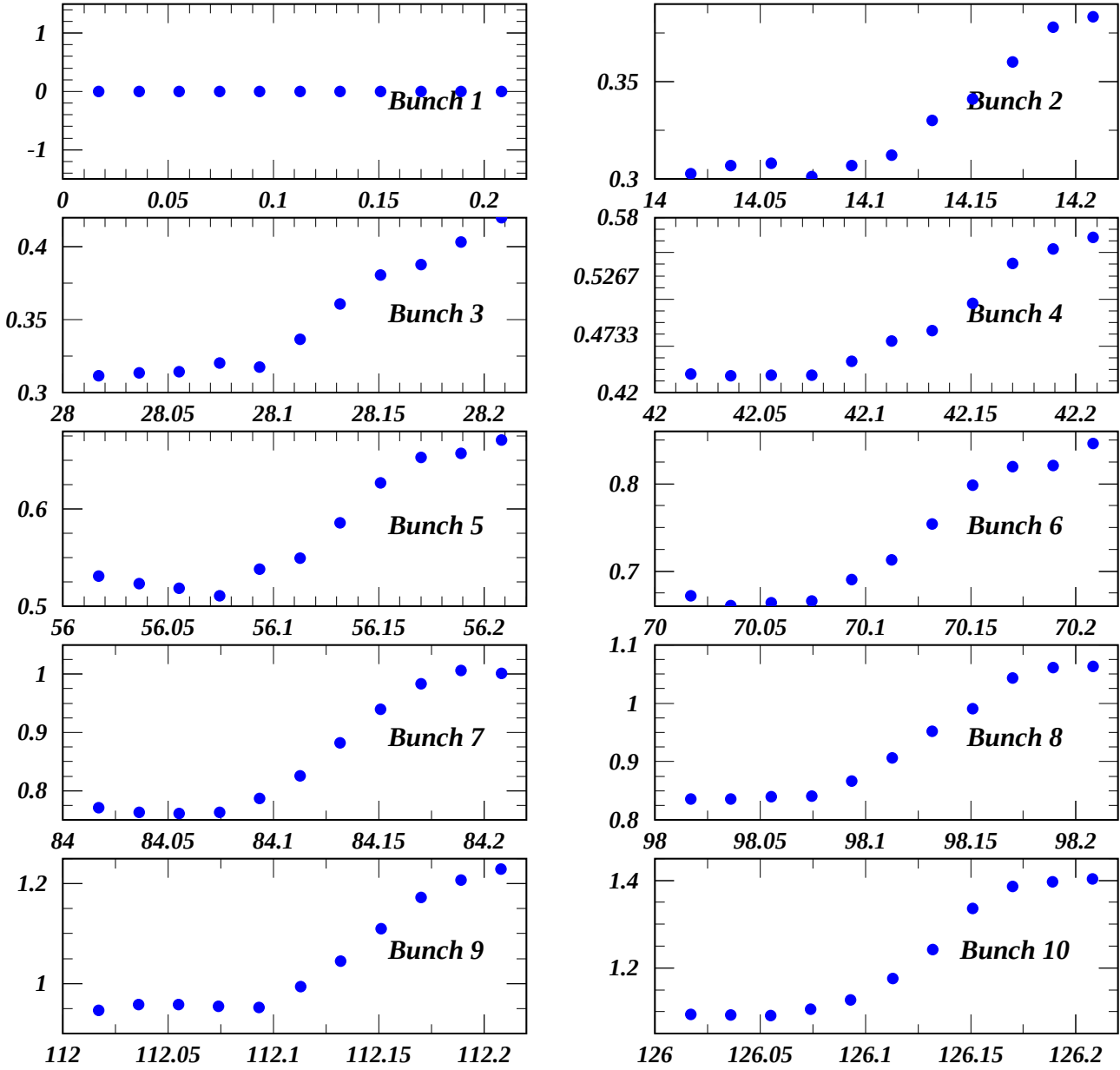


Time (ns)

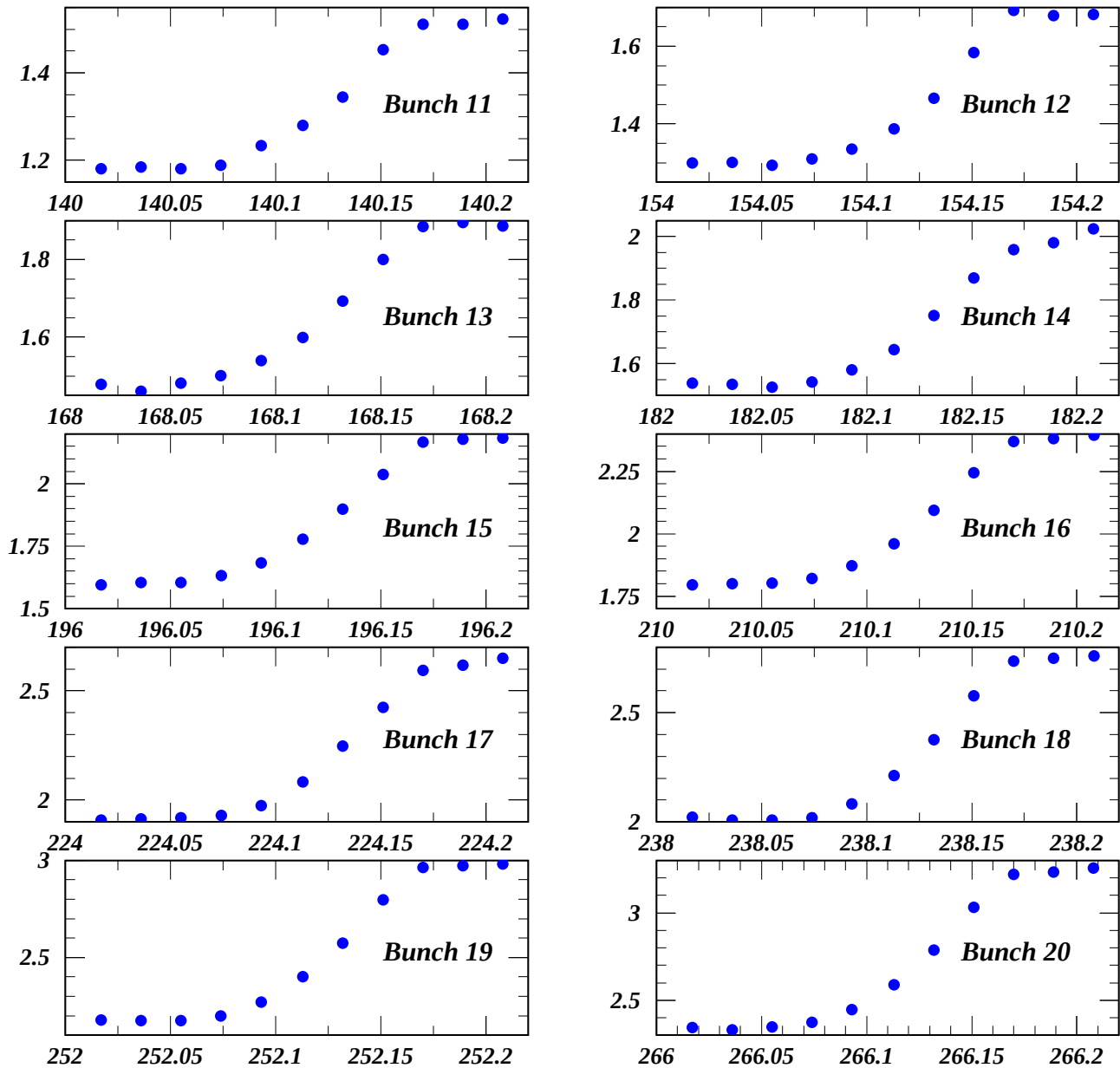


Time (ns)

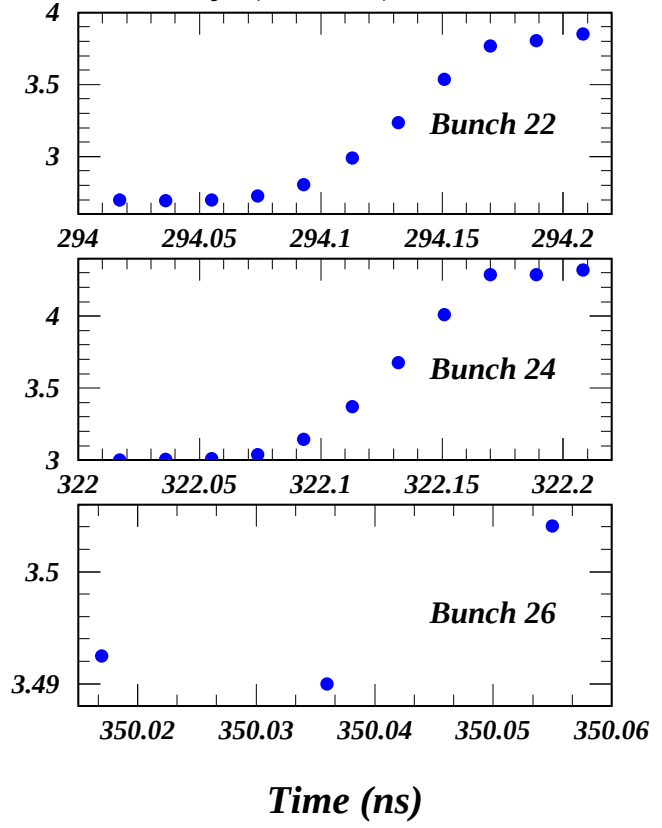
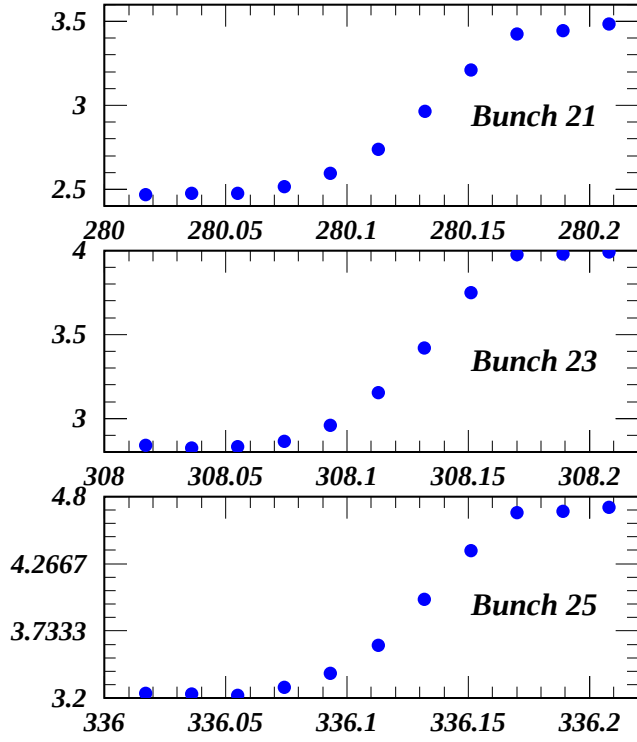
2.1 GeV 800 G Dipole: 5σ Central Density (10^{11} m^{-3})



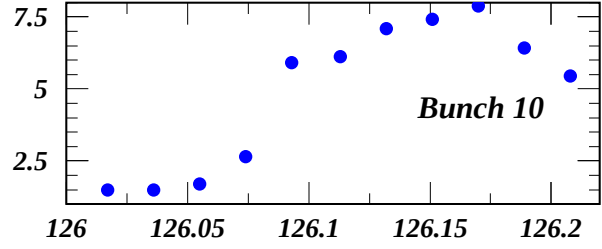
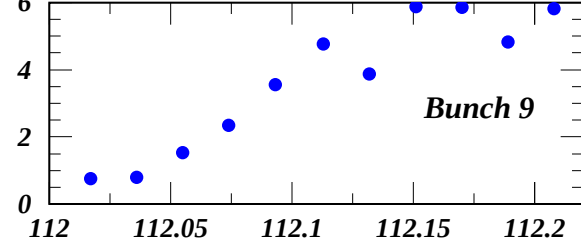
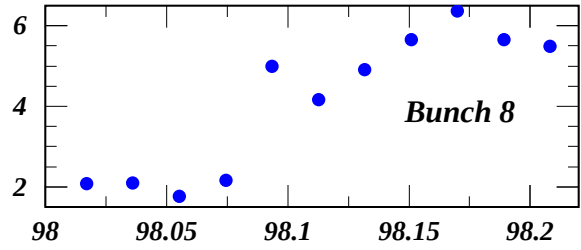
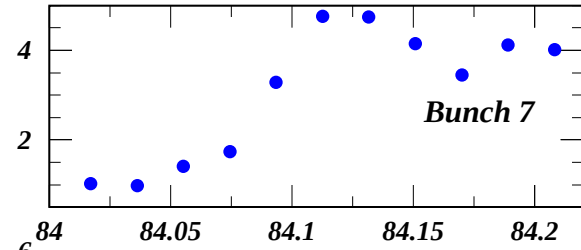
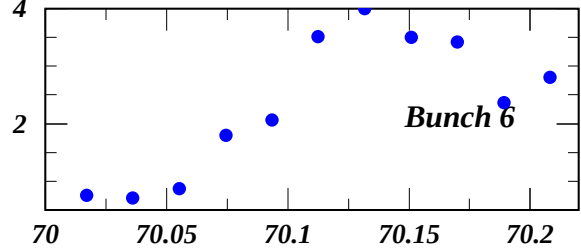
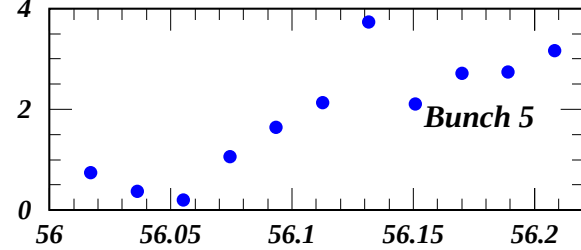
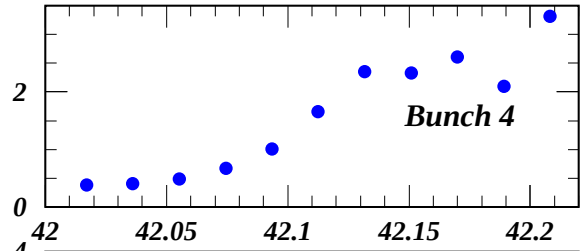
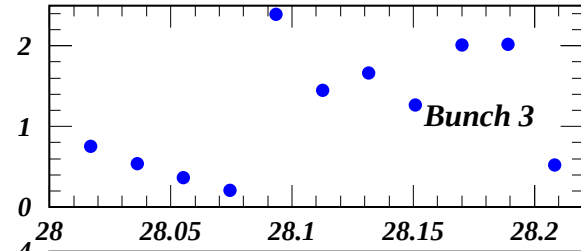
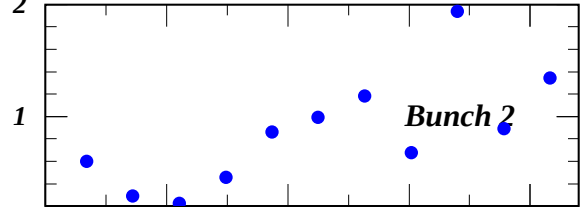
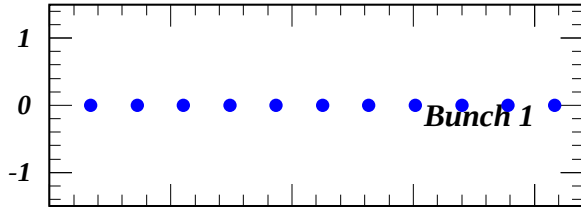
2.1 GeV 800 G Dipole: 5σ Central Density (10^{11} m^{-3})



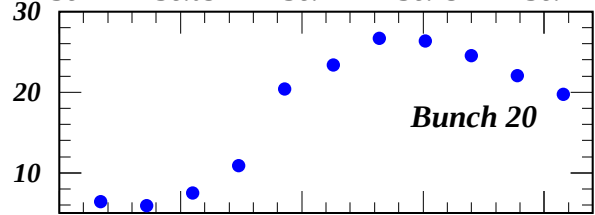
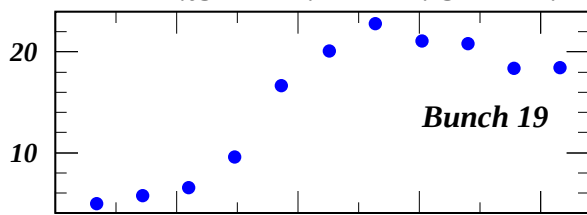
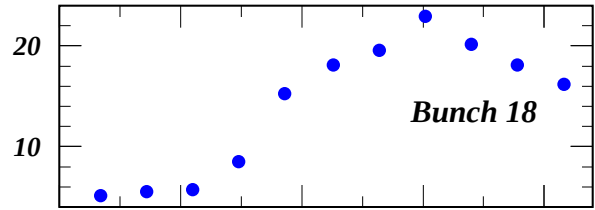
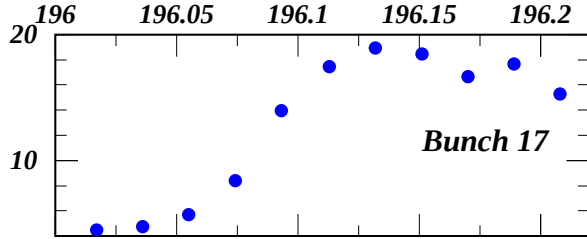
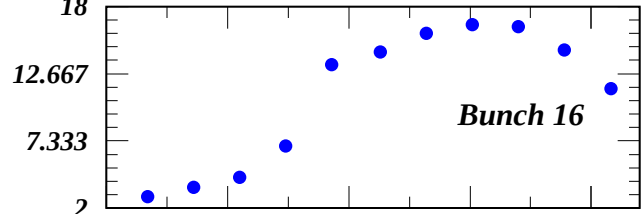
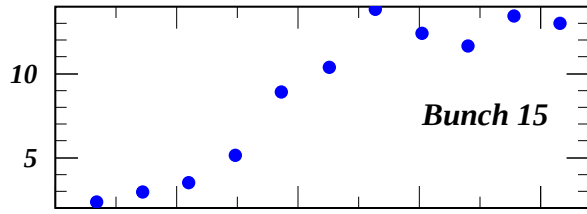
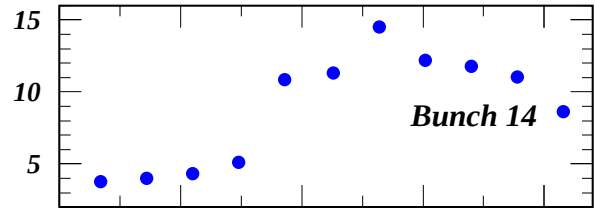
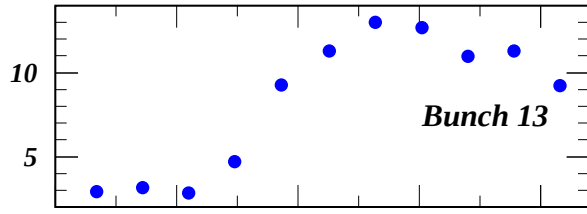
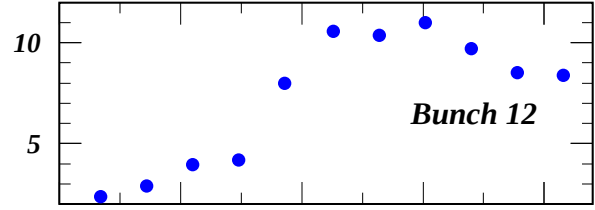
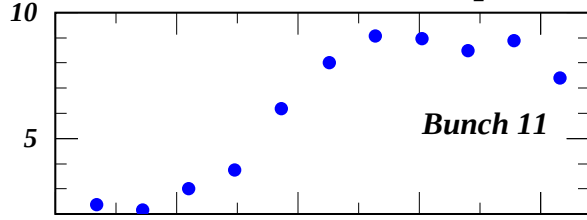
2.1 GeV 800 G Dipole: 5σ Central Density (10^{11} m^{-3})



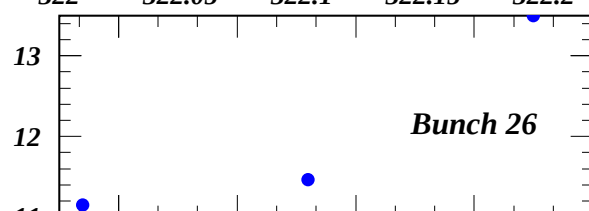
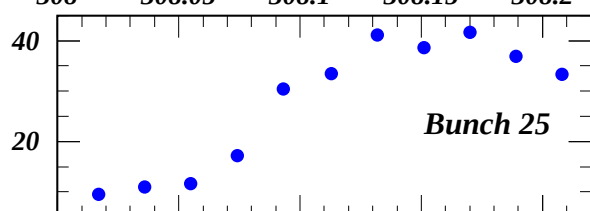
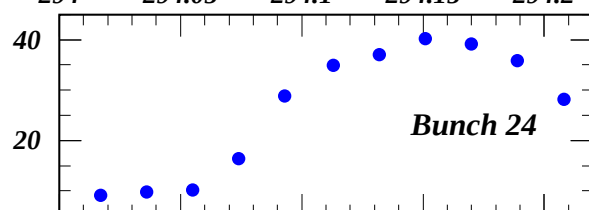
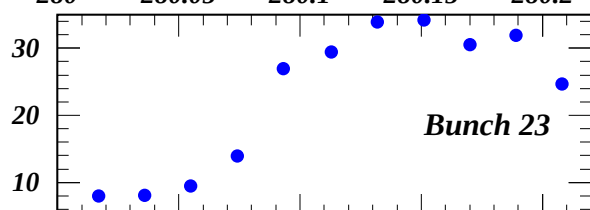
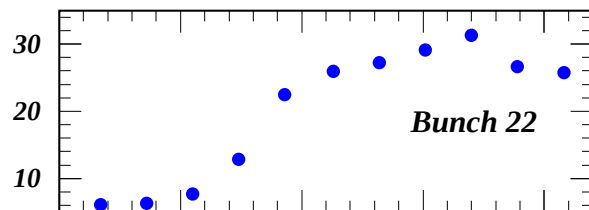
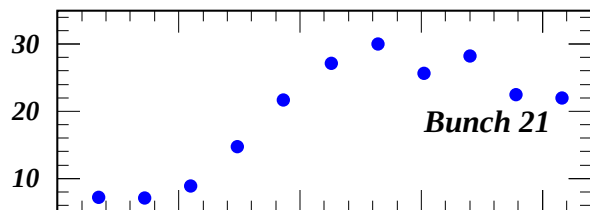
2.1 GeV 800 G Dipole: Beam-weighted Density (10^{11} m^{-3})



2.1 GeV 800 G Dipole: Beam-weighted Density (10^{11} m^{-3})



2.1 GeV 800 G Dipole: Beam-weighted Density (10^{11} m^{-3})



Time (ns)

Time (ns)