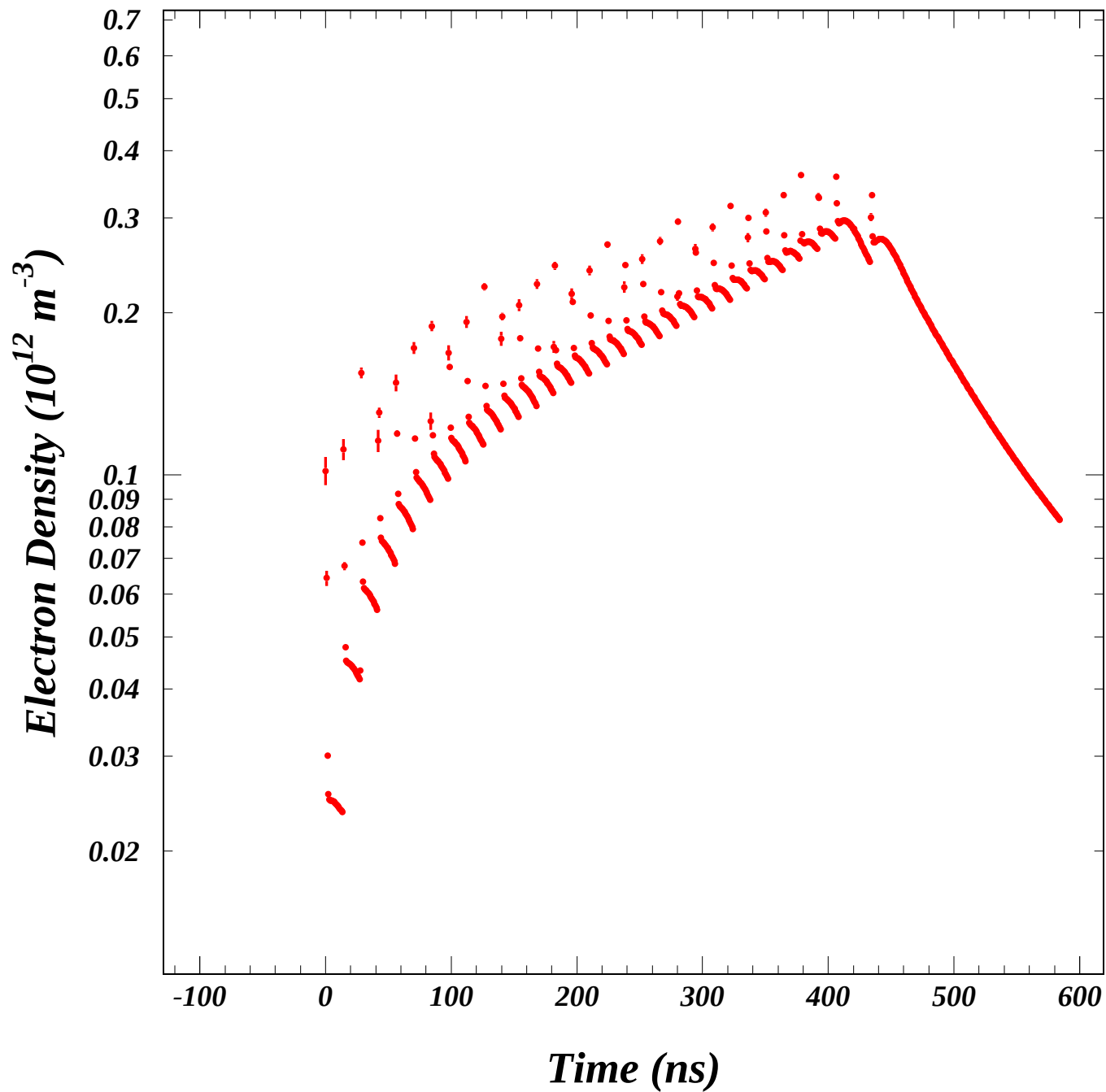
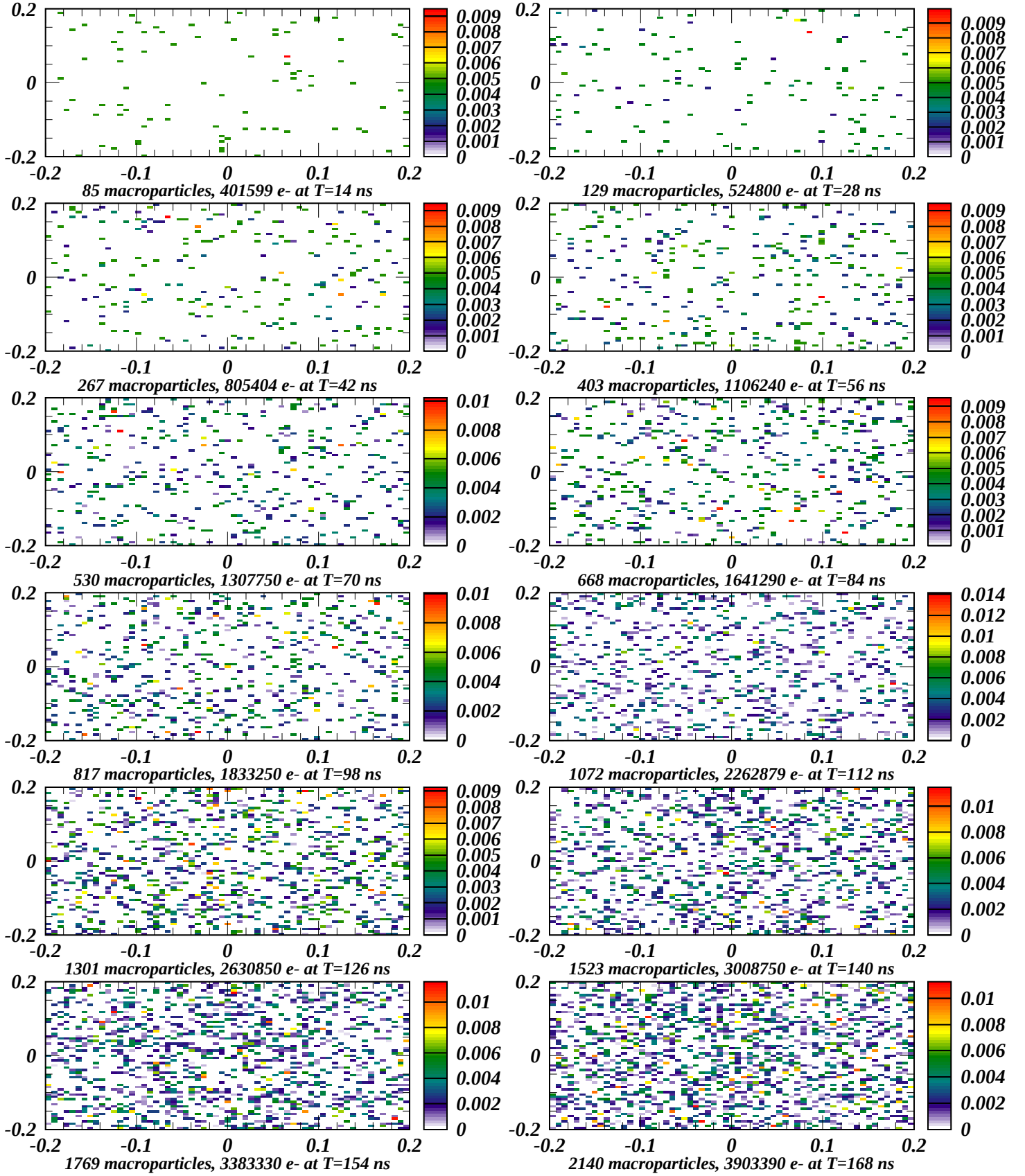


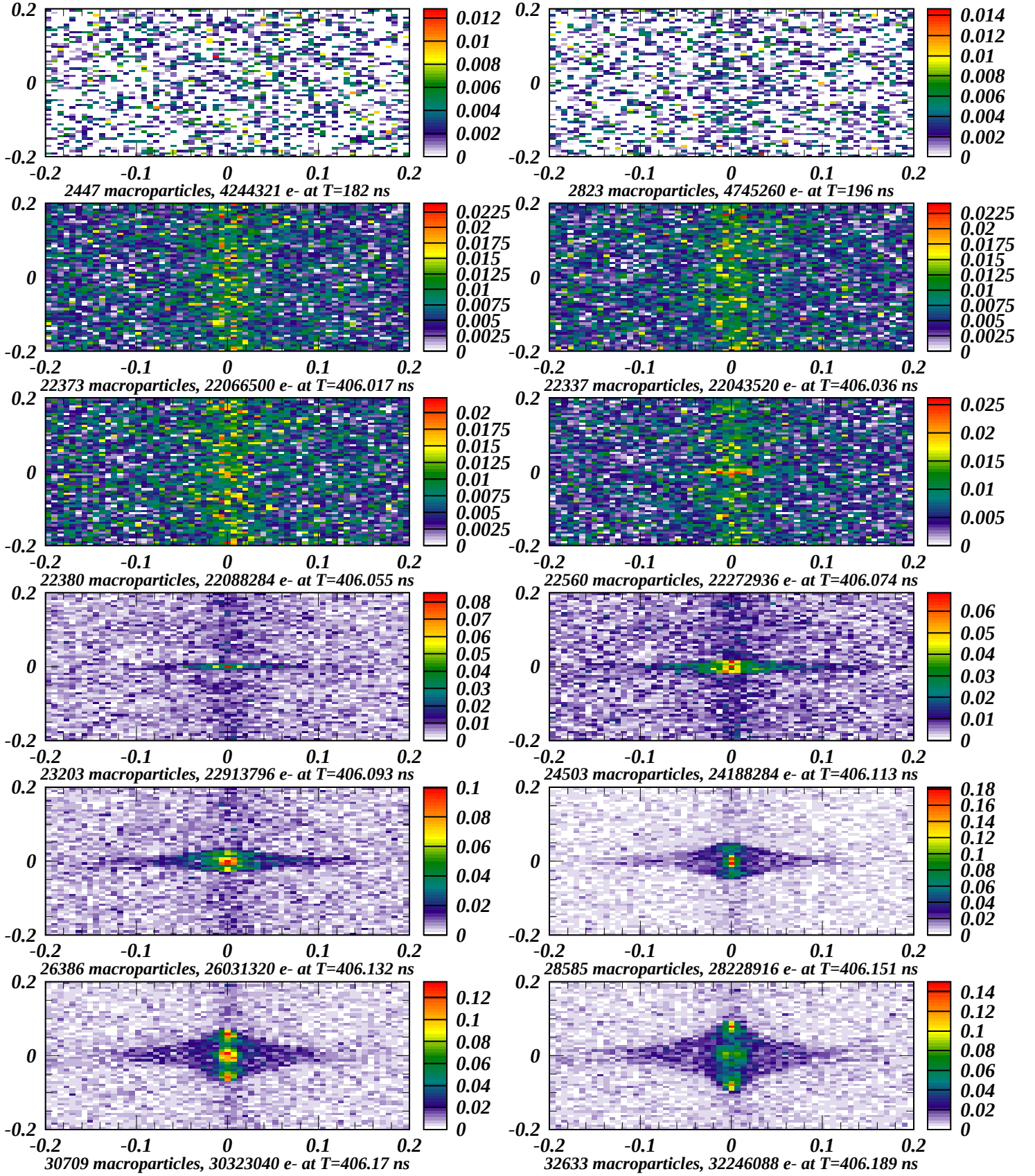
2.1 GeV 800 G Dipole: Beampipe-averaged Cloud Density (10^{12} m^{-3})



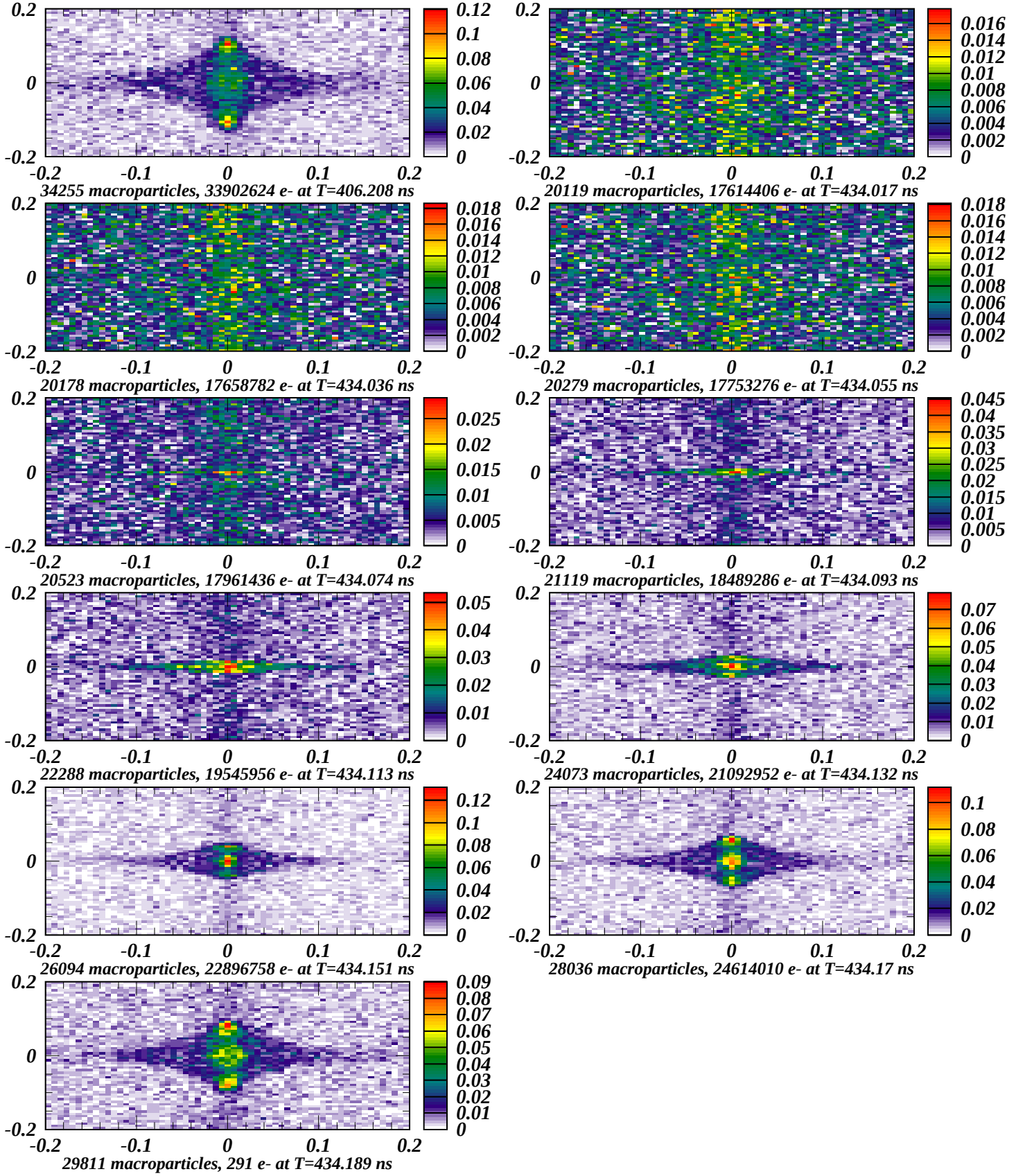
2.1 GeV 800 G Dipole: Cloud charge snapshots



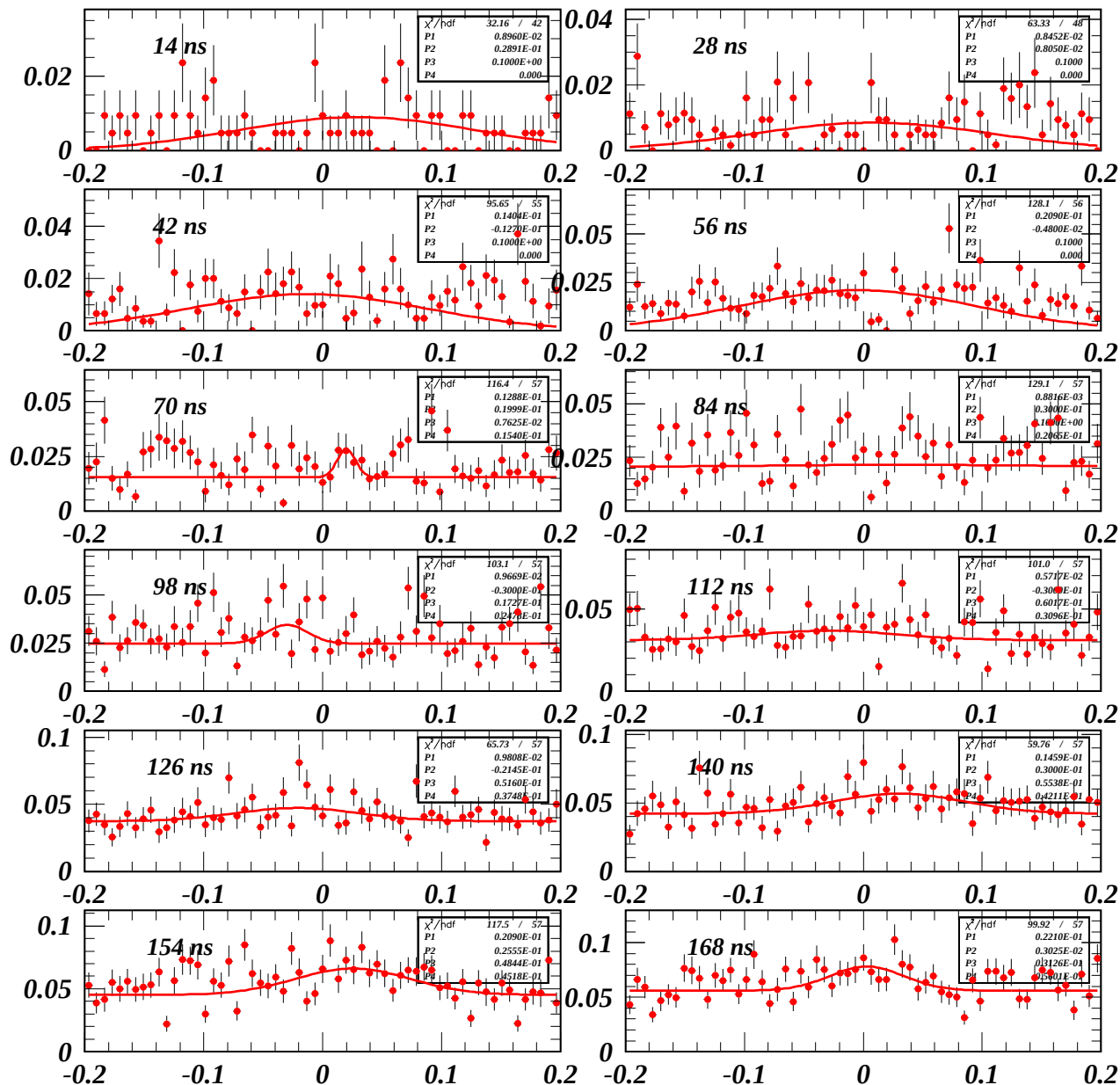
2.1 GeV 800 G Dipole: Cloud charge shapshots



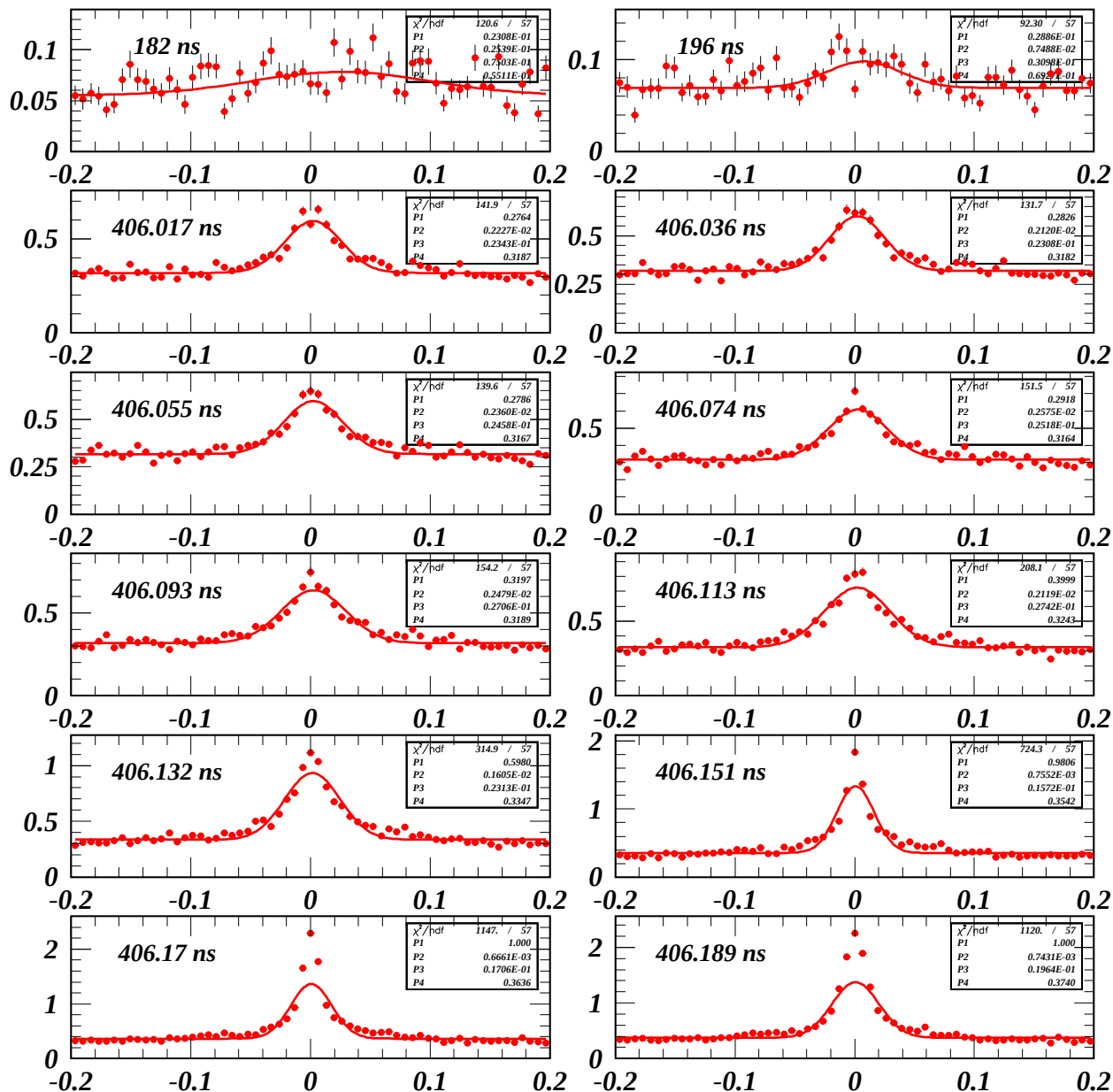
2.1 GeV 800 G Dipole: Cloud charge snapshots



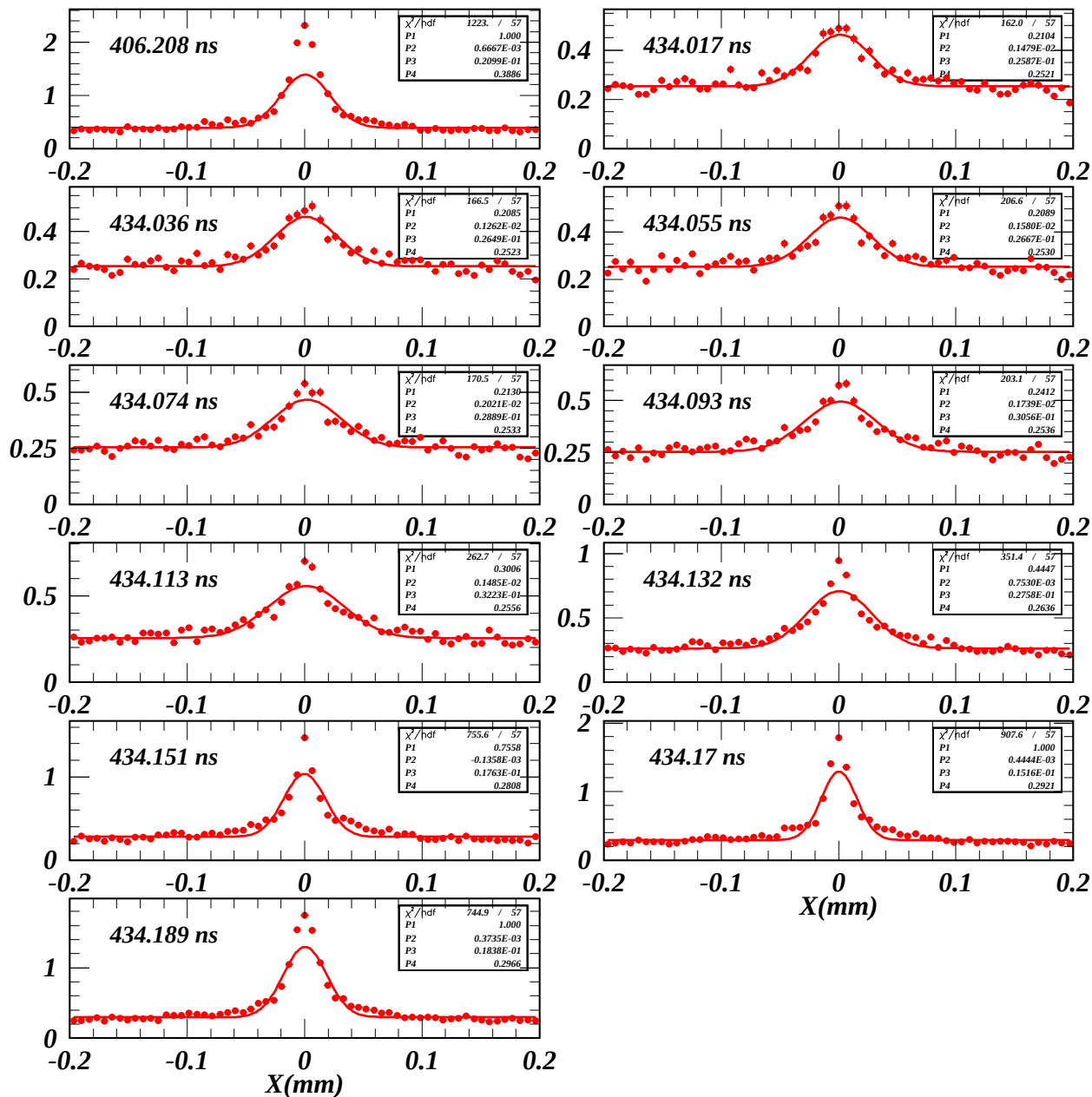
2.1 GeV 800 G Dipole: Fits to cloud charge X distribution



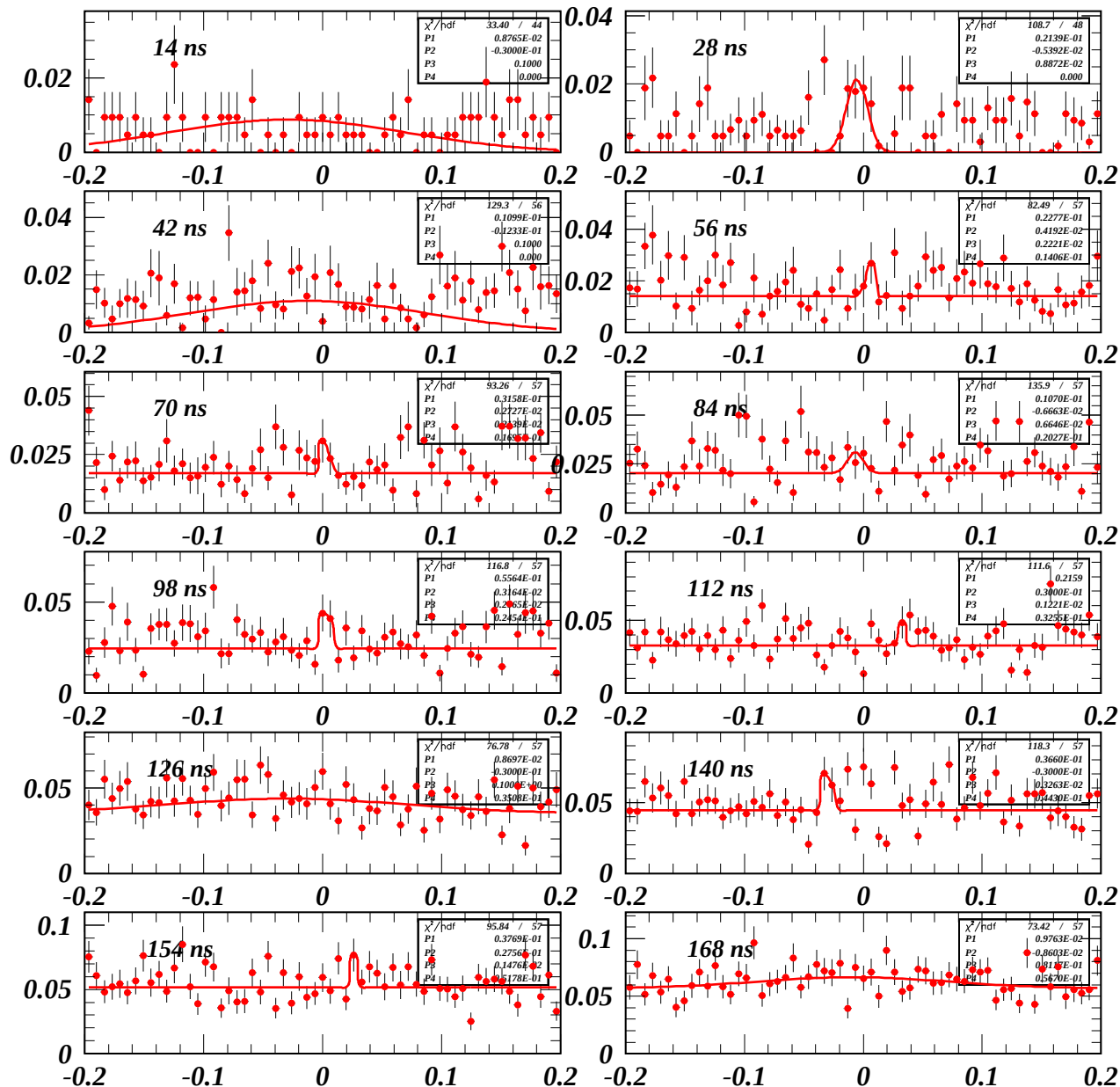
2.1 GeV 800 G Dipole: Fits to cloud charge X distribution



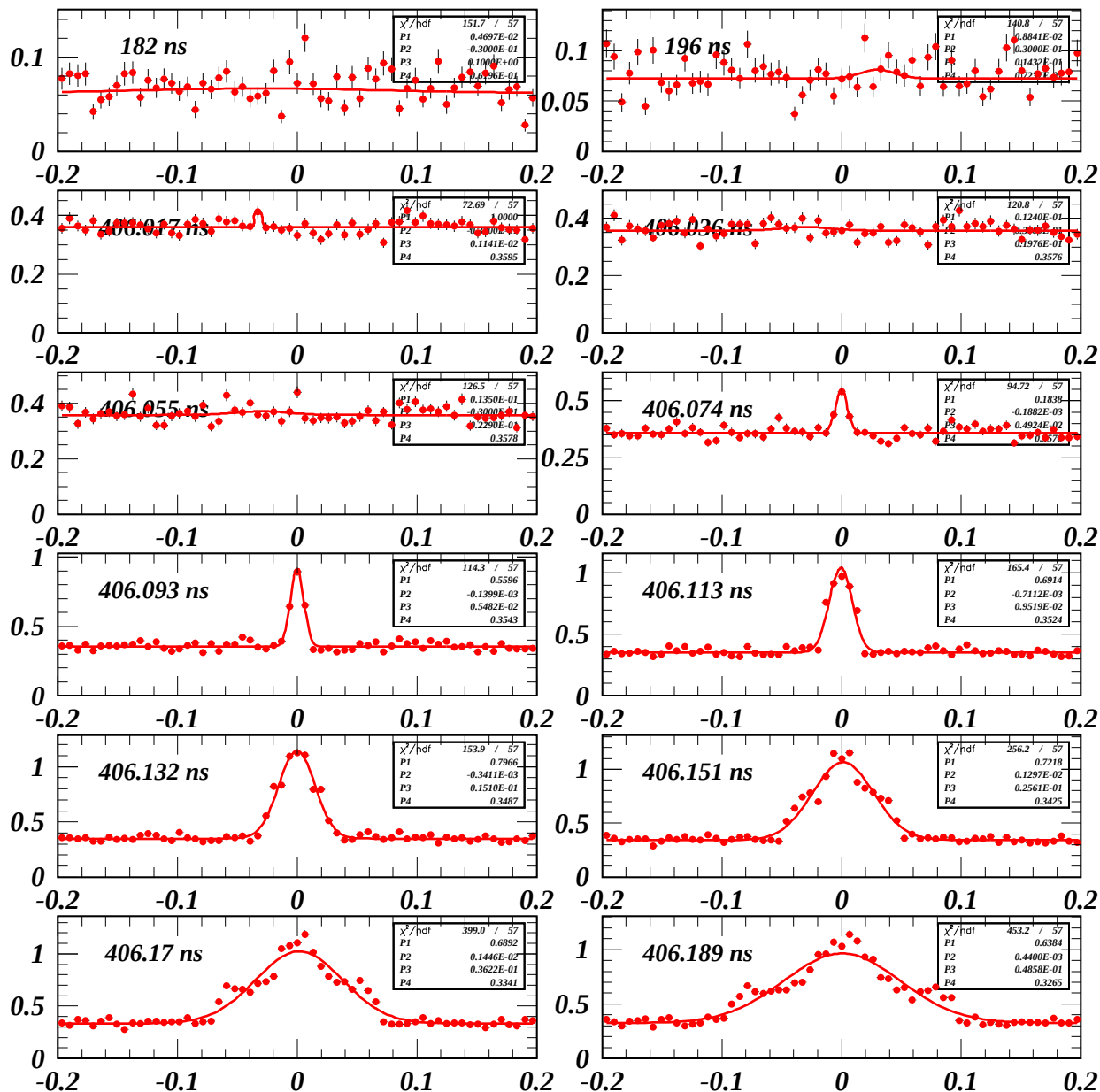
2.1 GeV 800 G Dipole: Fits to cloud charge X distribution



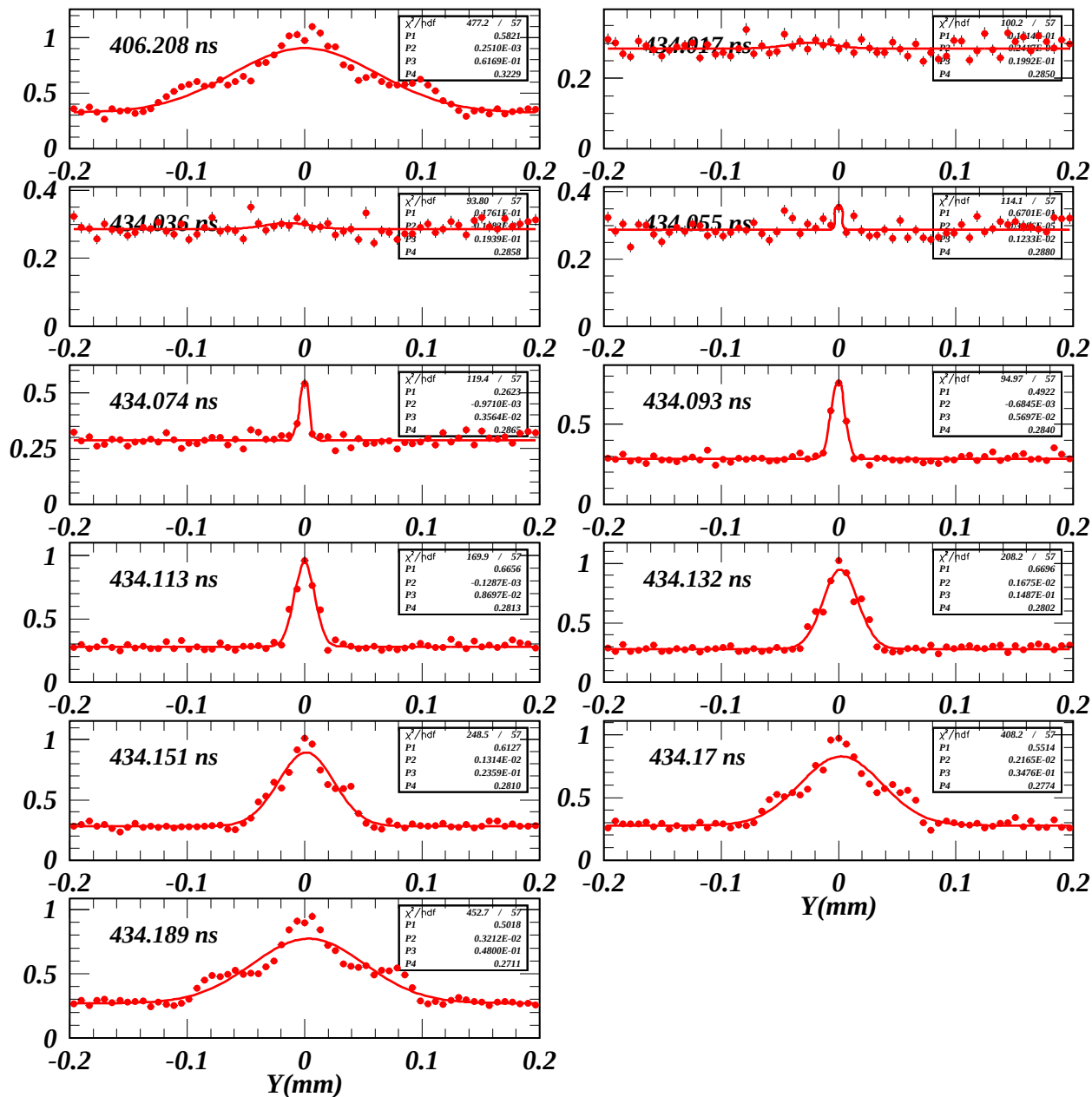
2.1 GeV 800 G Dipole: Fits to cloud charge Y distribution

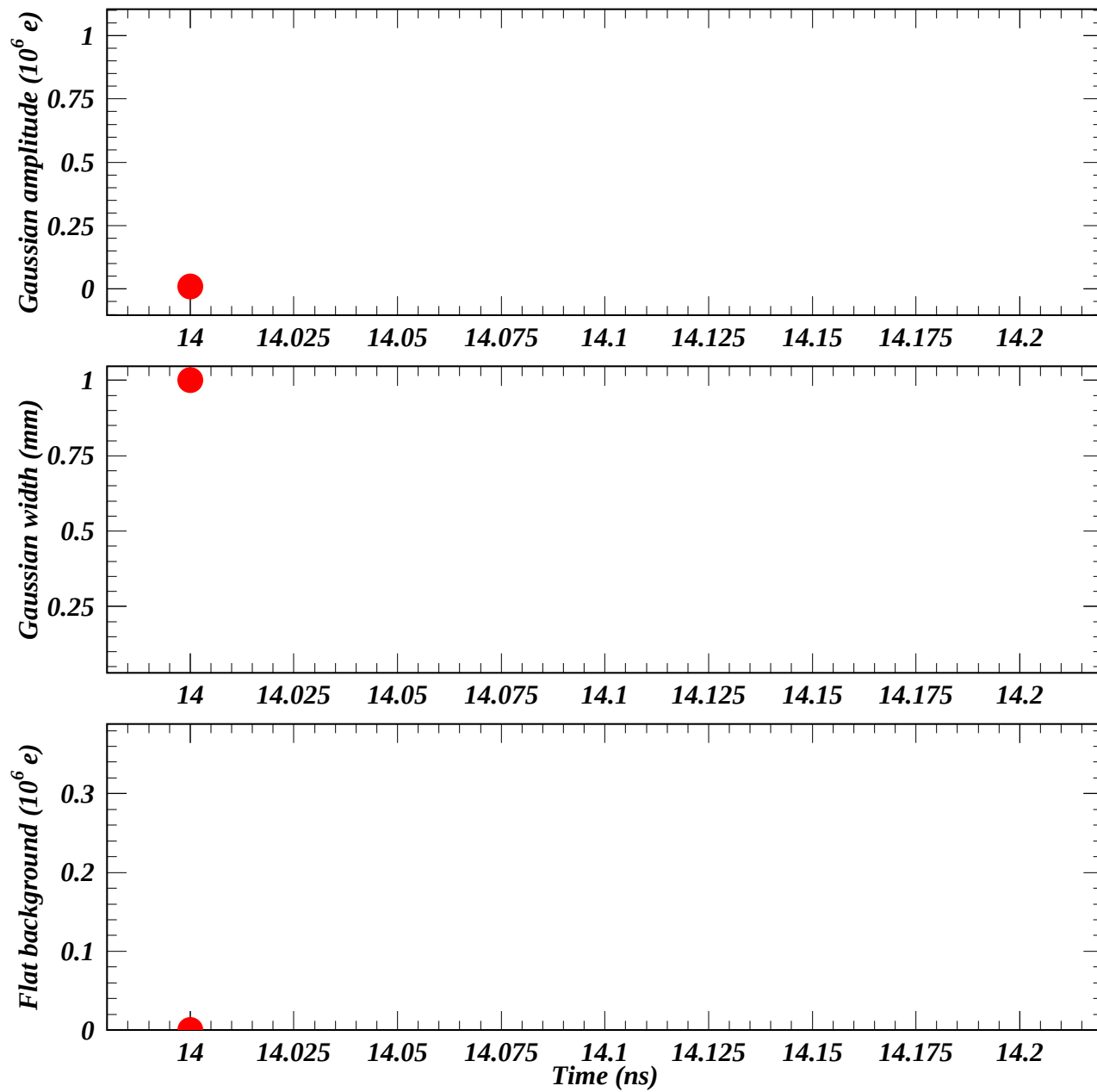


2.1 GeV 800 G Dipole: Fits to cloud charge Y distribution

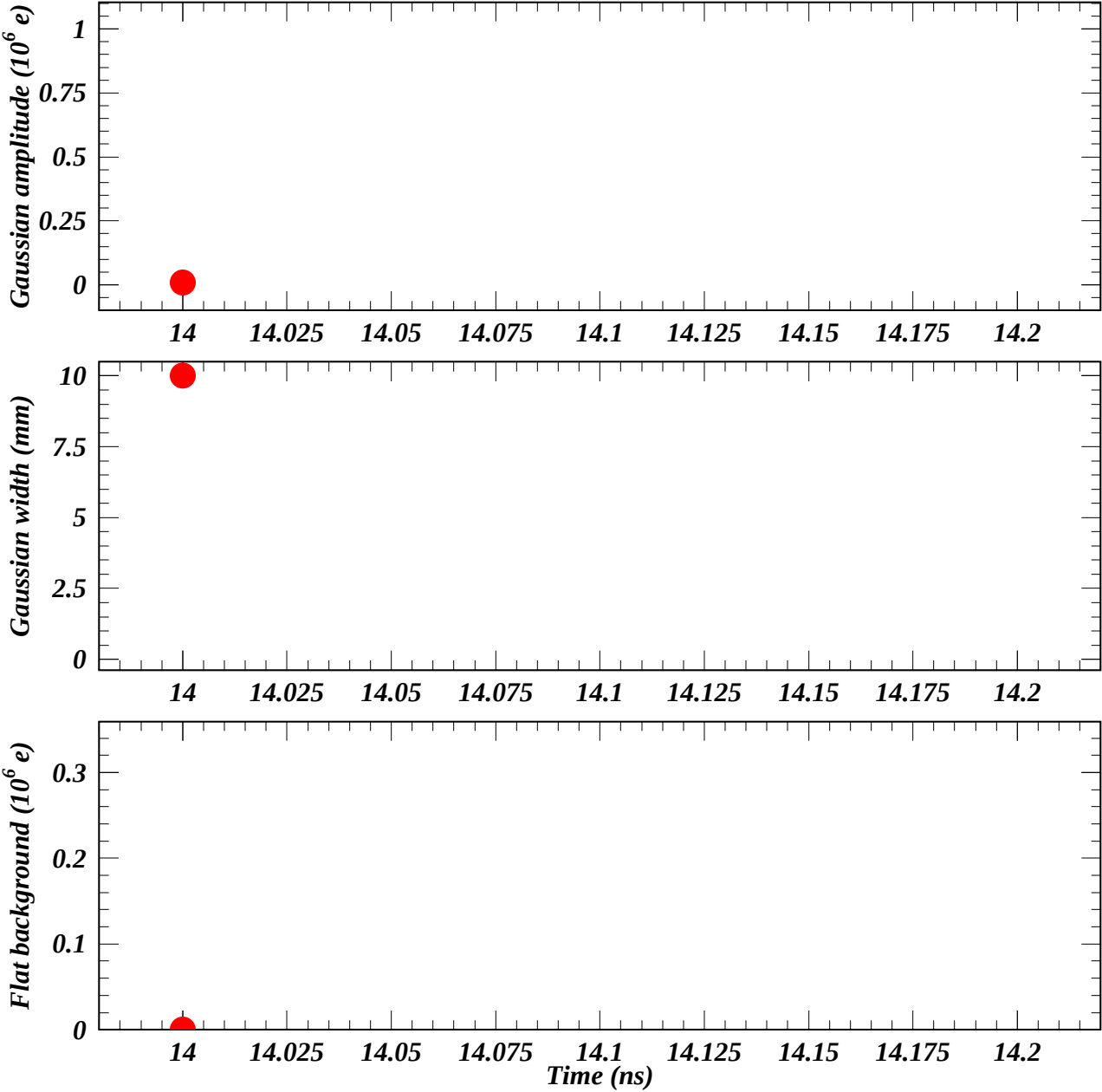


2.1 GeV 800 G Dipole: Fits to cloud charge Y distribution

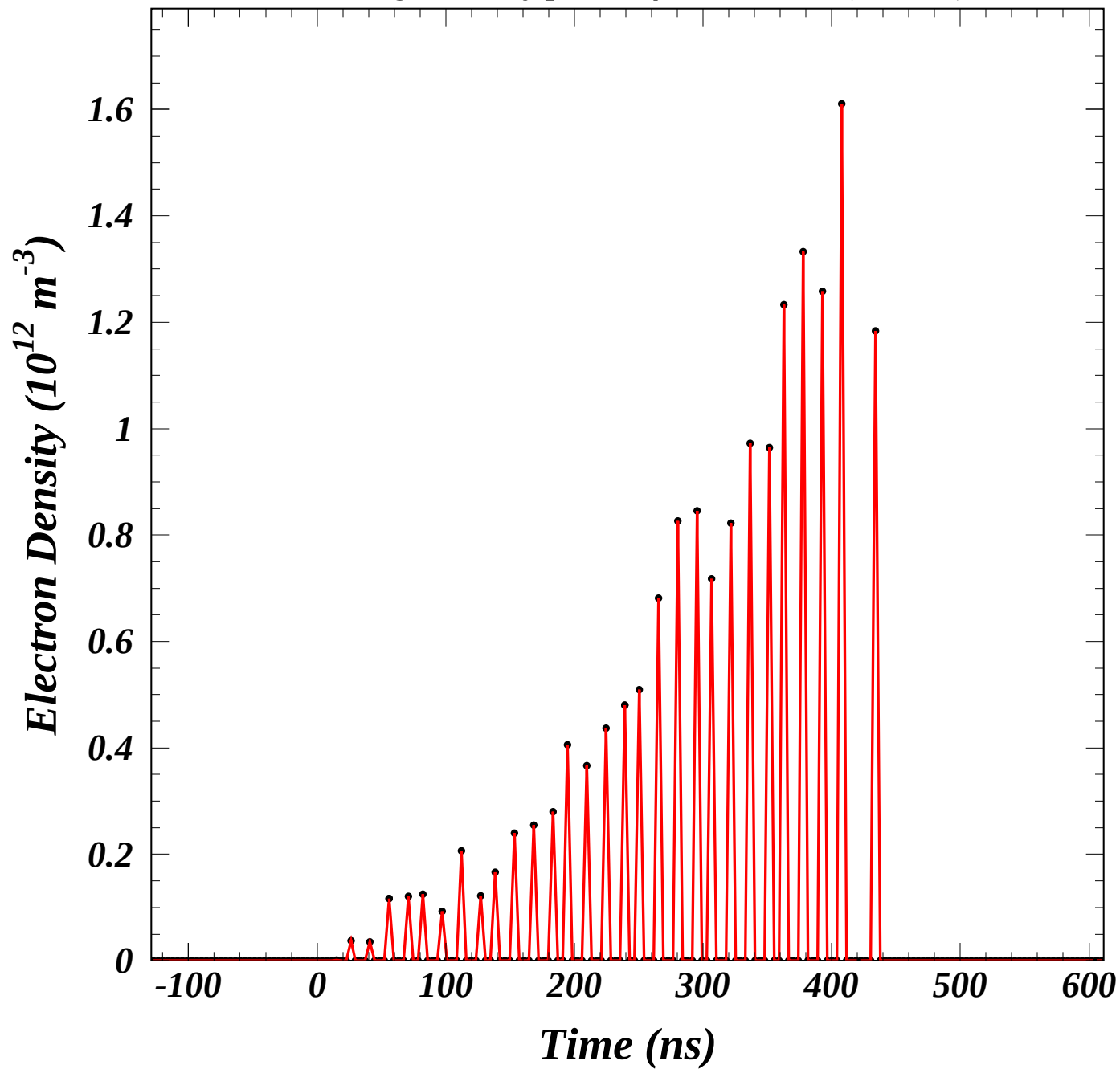


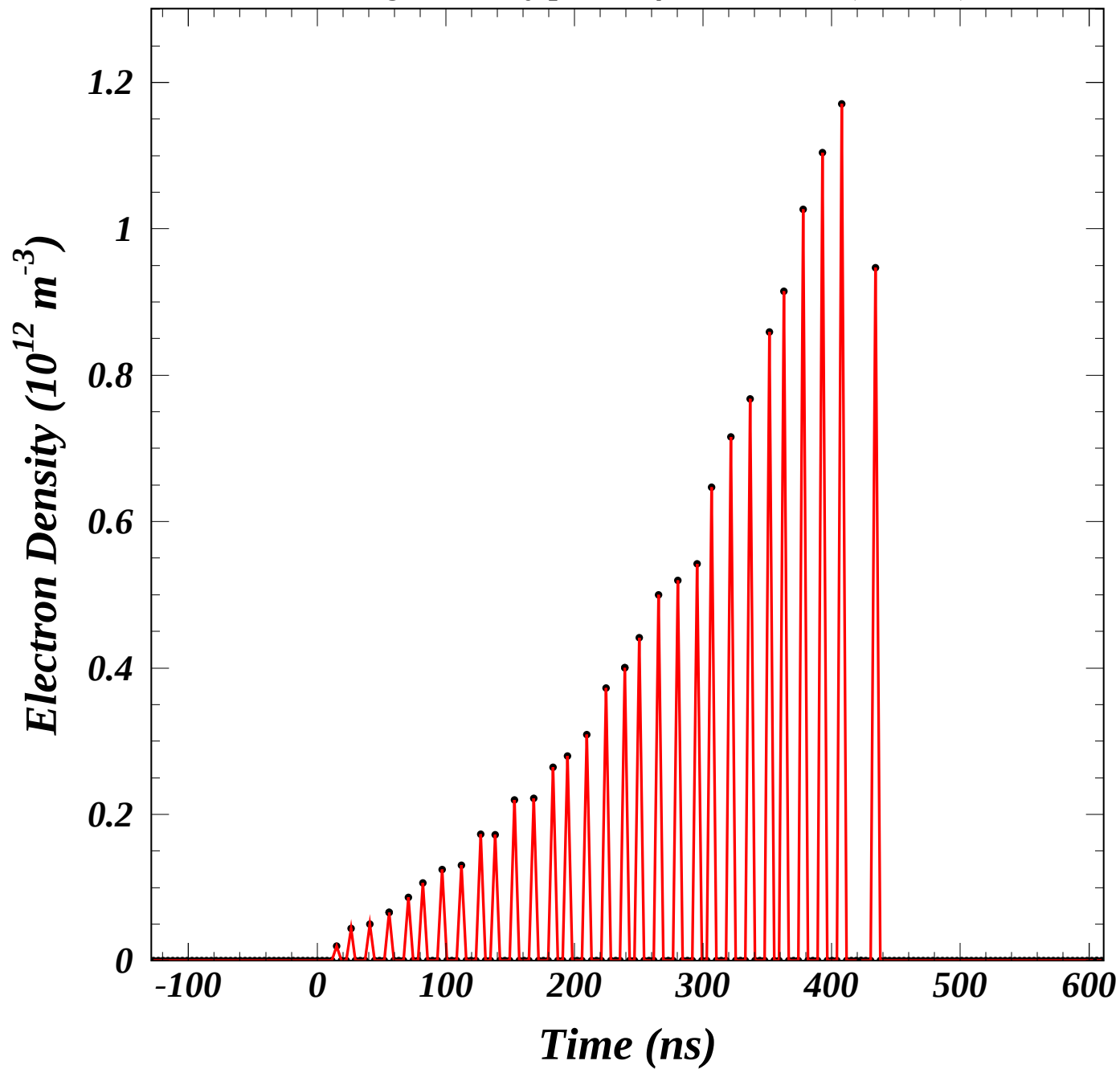
2.1 GeV 800 G Dipole: Fits to cloud charge X distribution

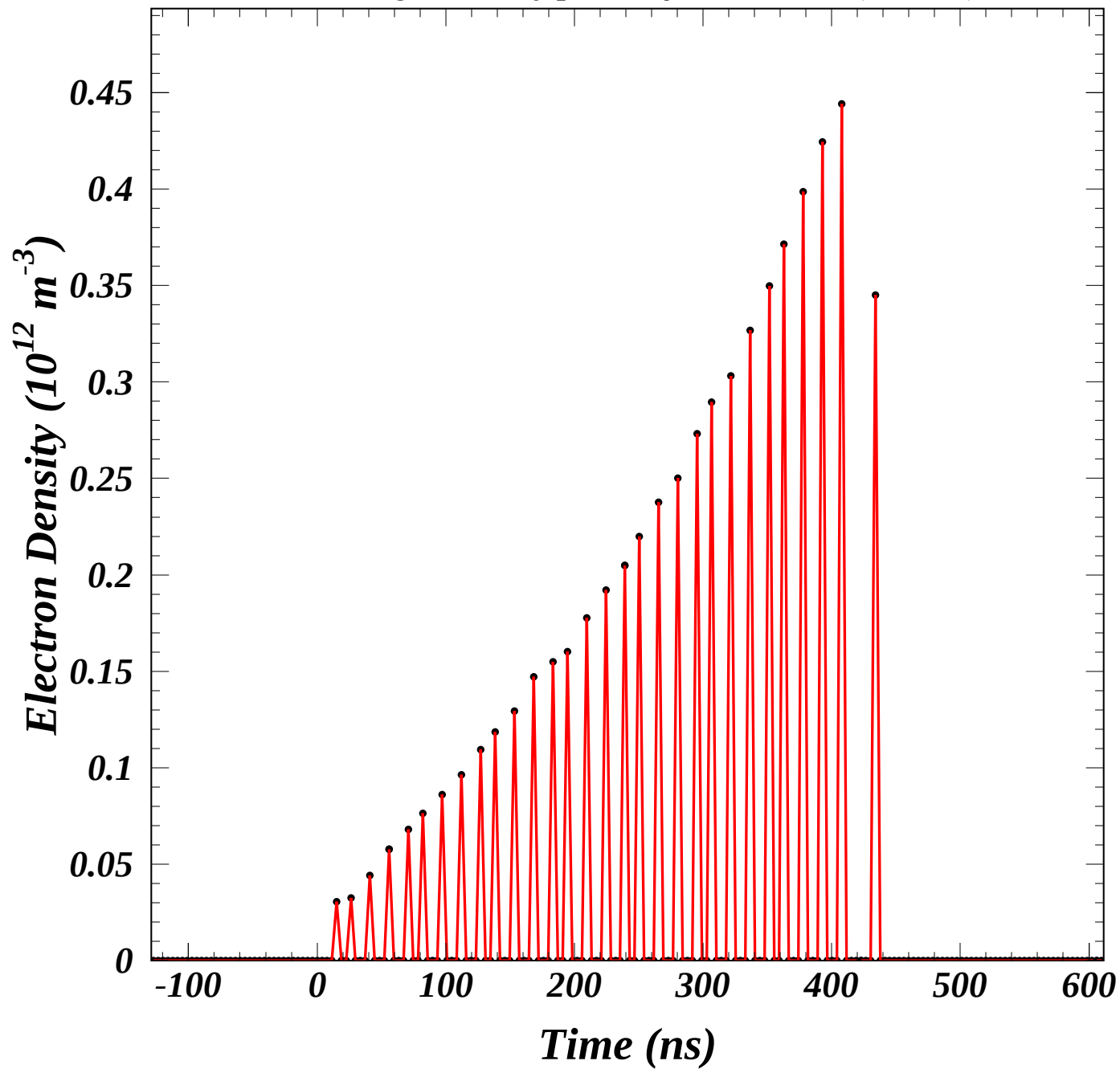
2.1 GeV 800 G Dipole: Fits to cloud charge Y distribution

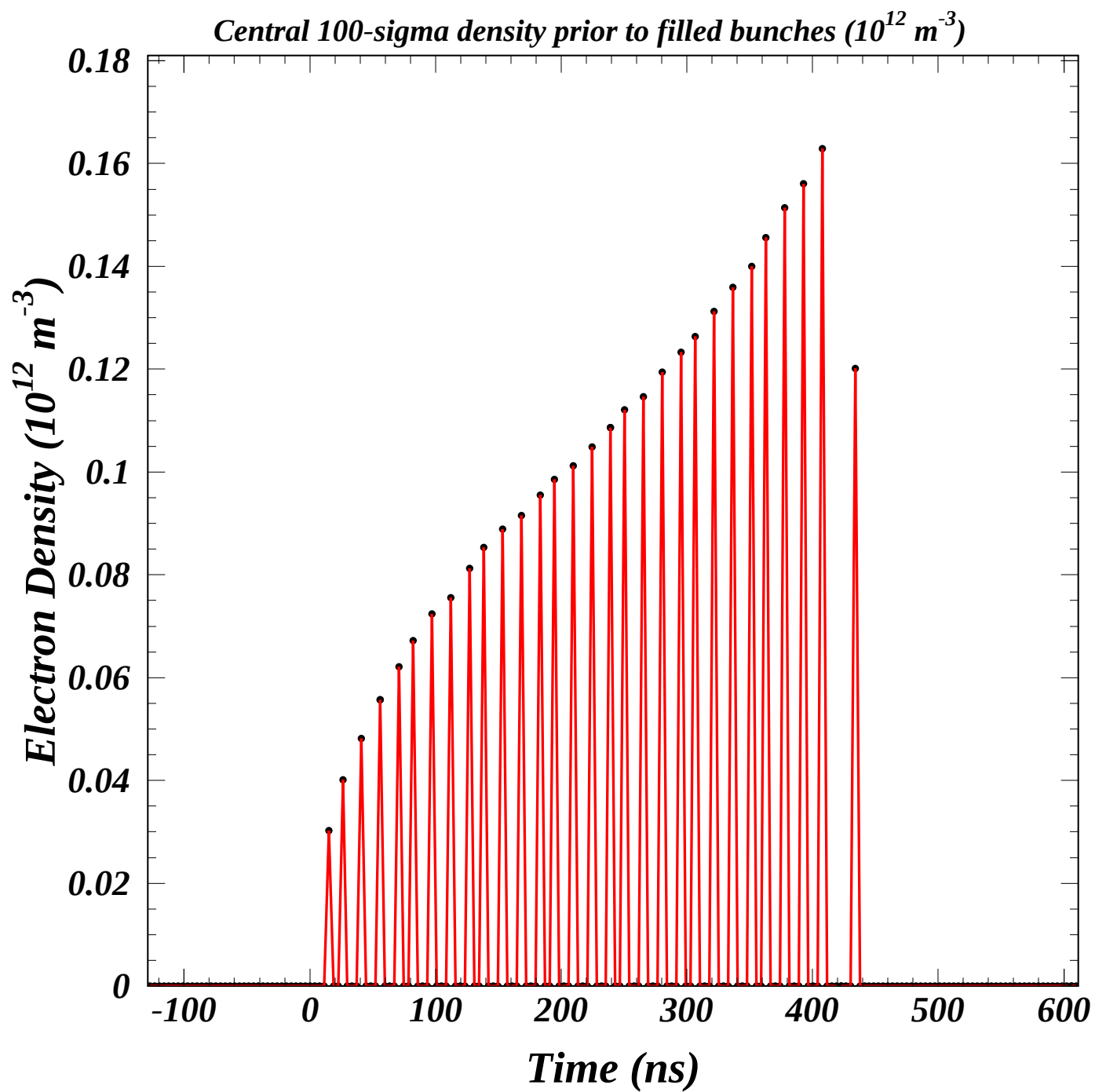


Beam-averaged density prior to filled bunches (10^{12} m^{-3})

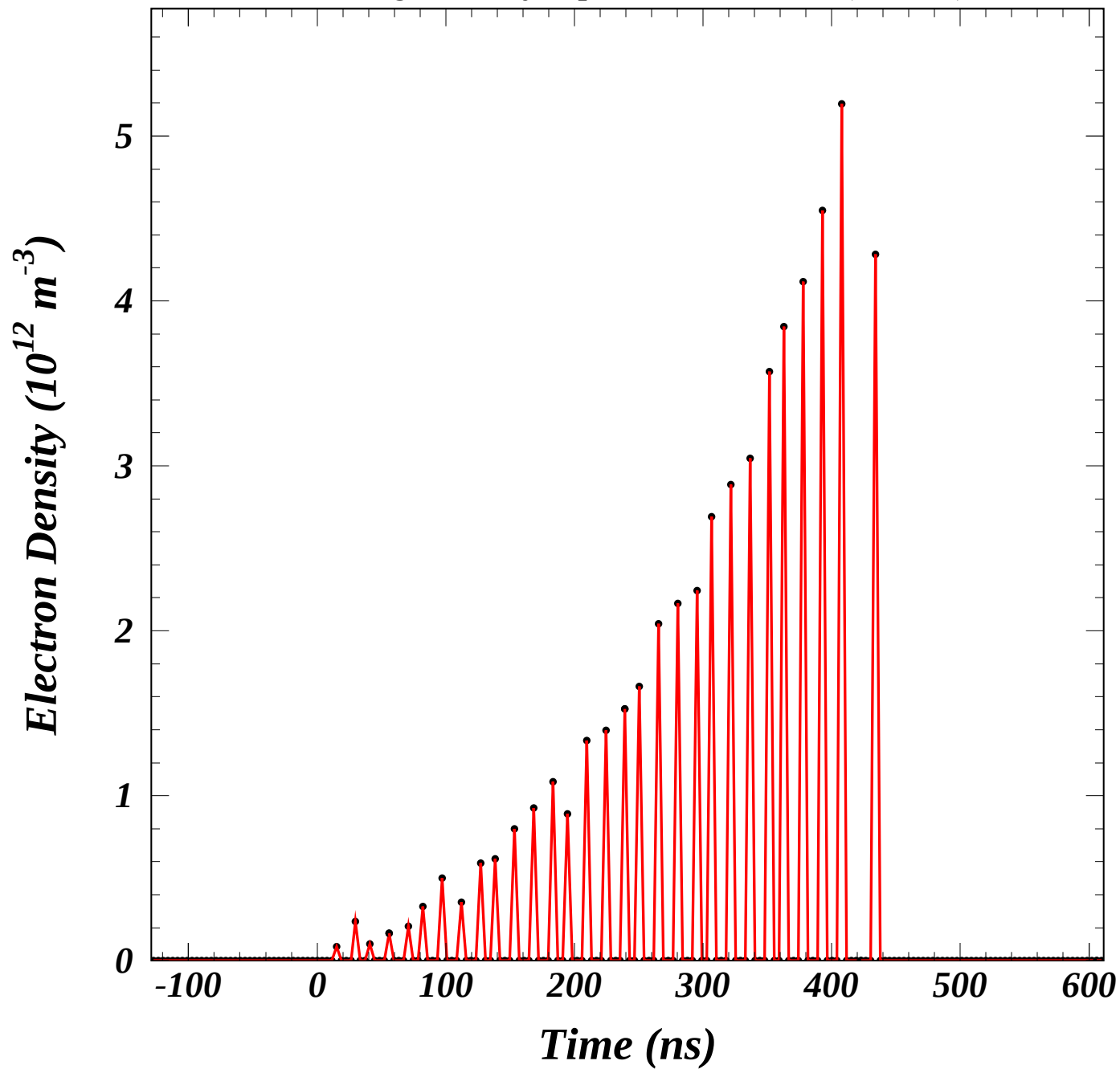


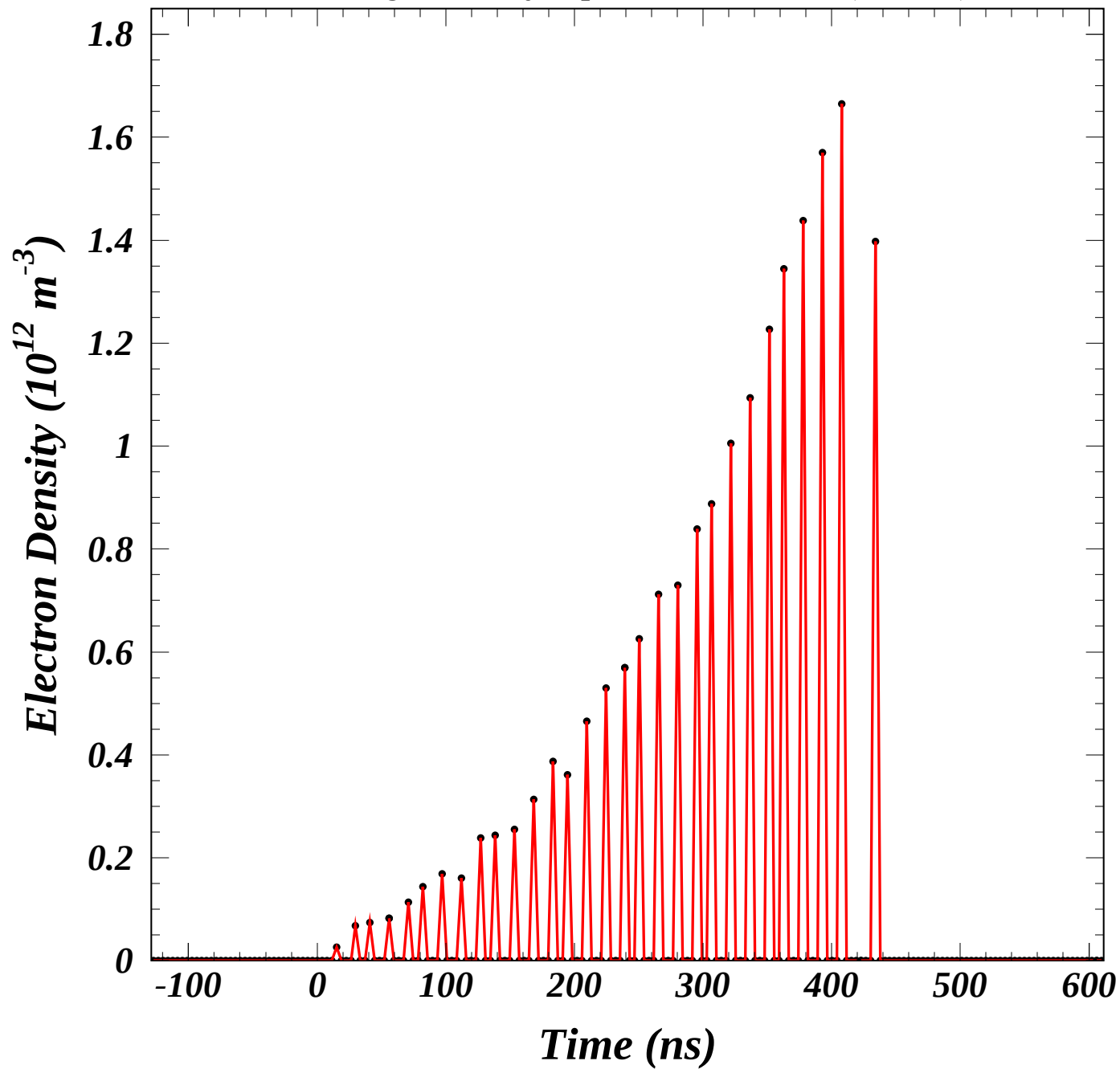
Central 5-sigma density prior to filled bunches (10^{12} m^{-3})

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

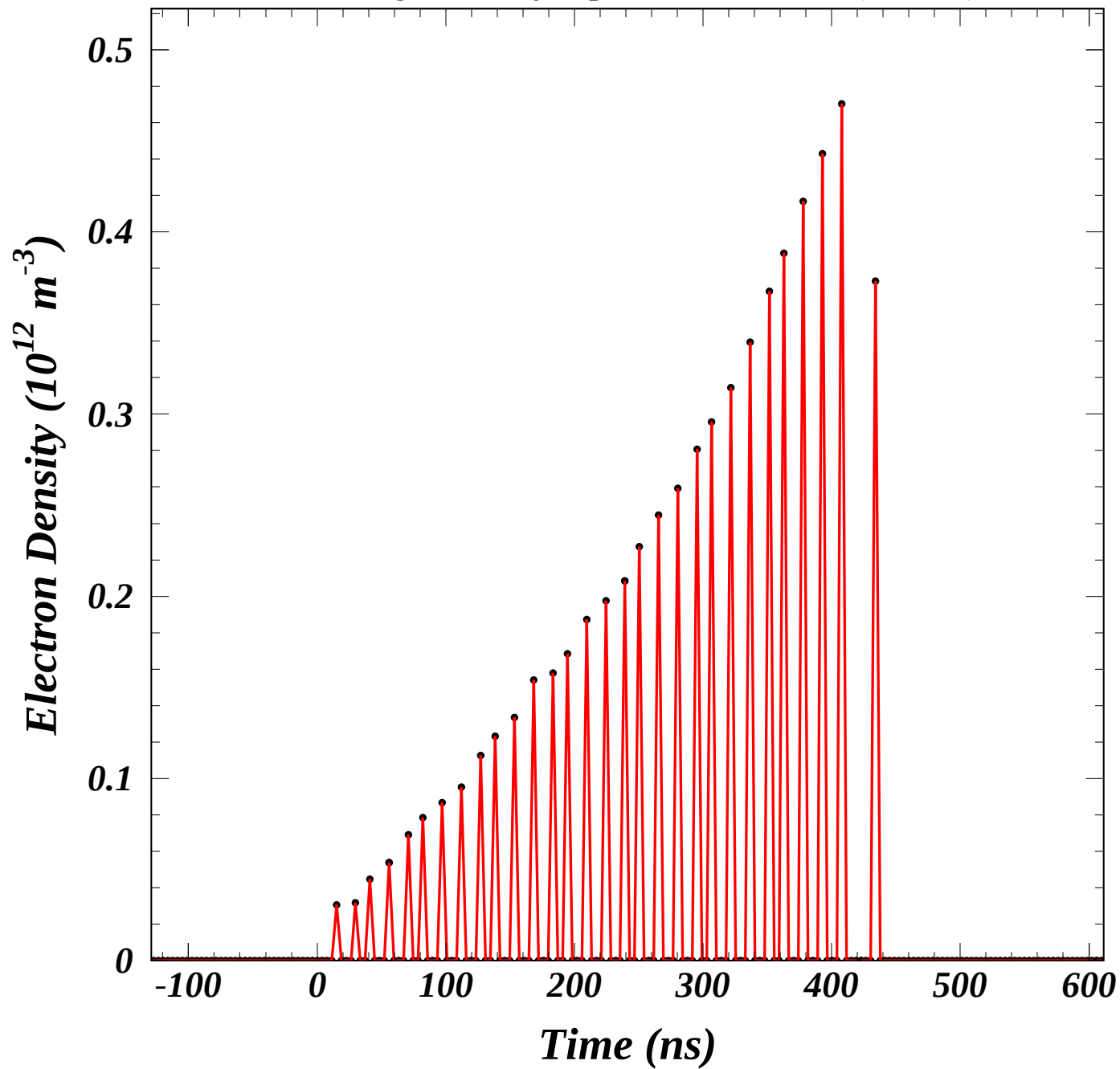


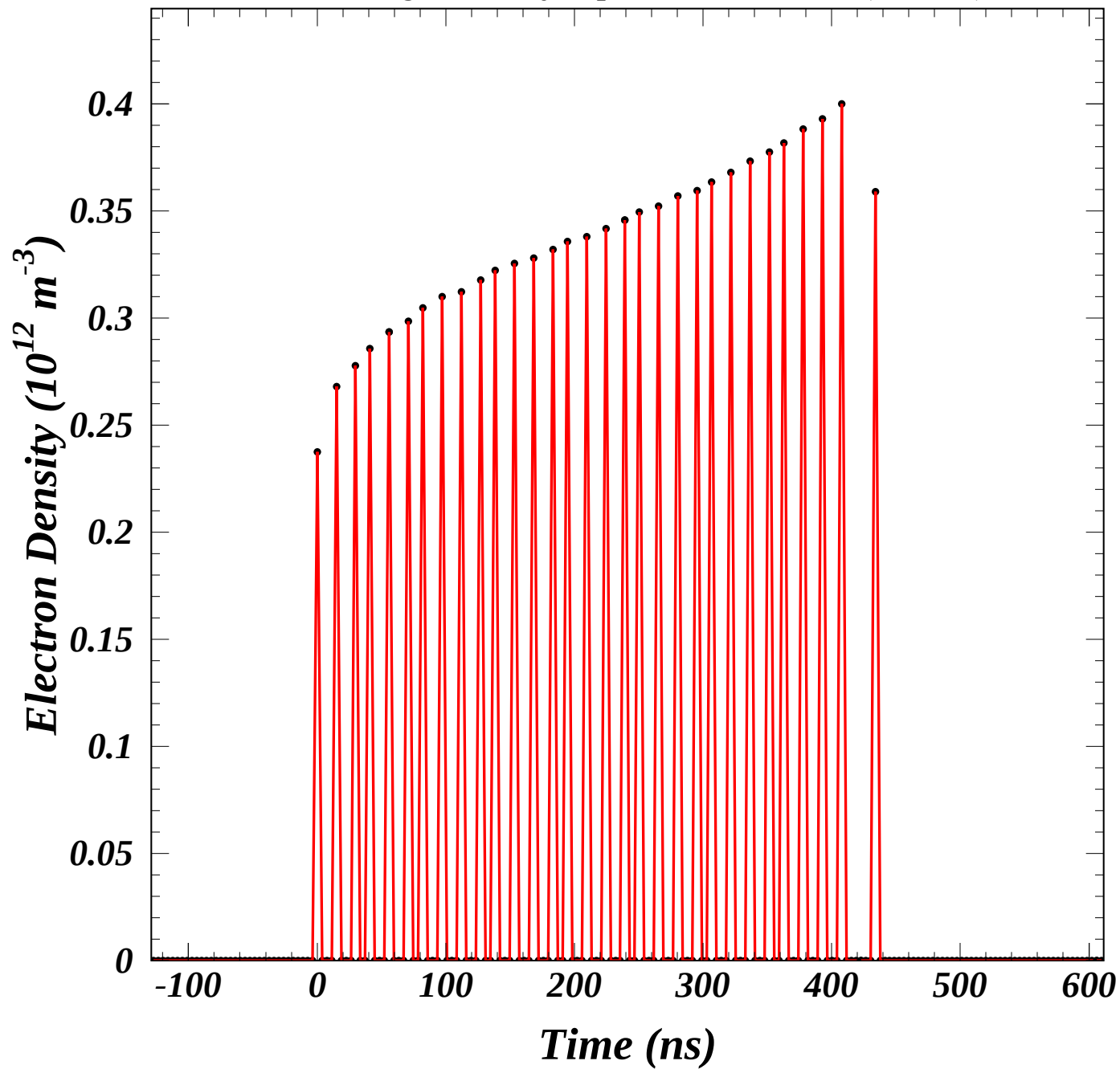
Beam-averaged density at peak bunch current (10^{12} m^{-3})

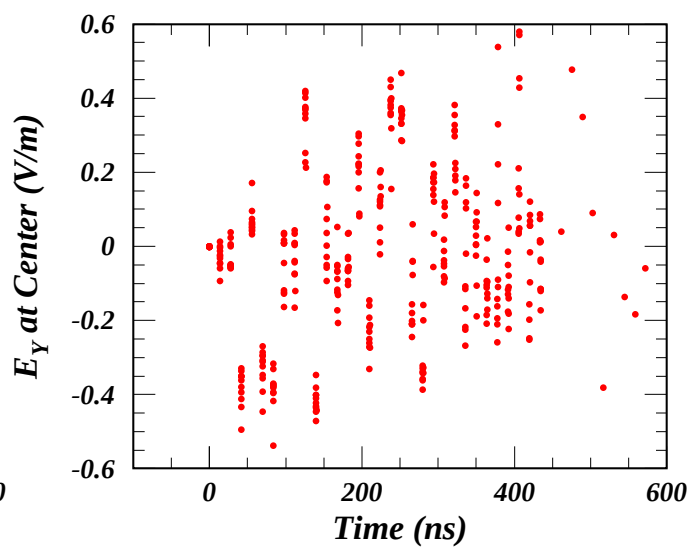
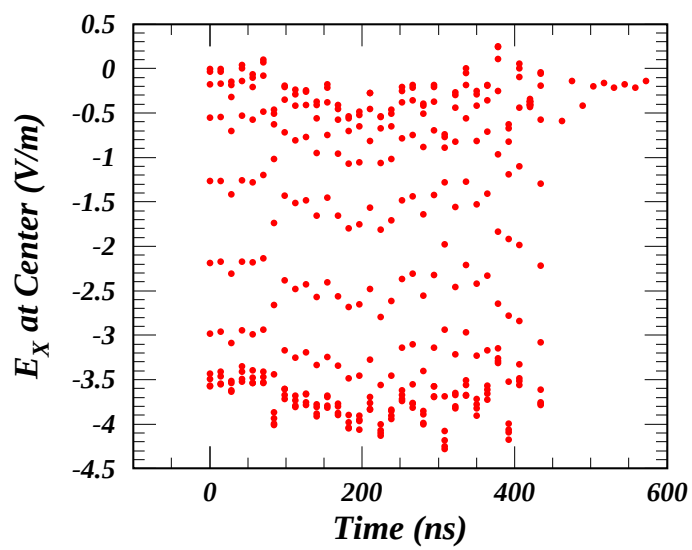


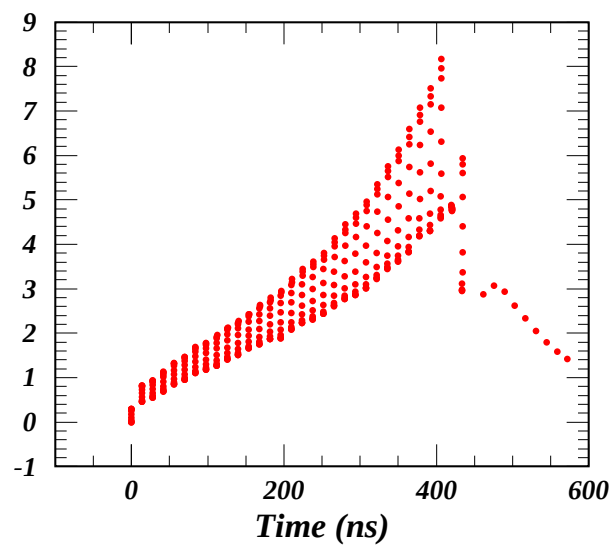
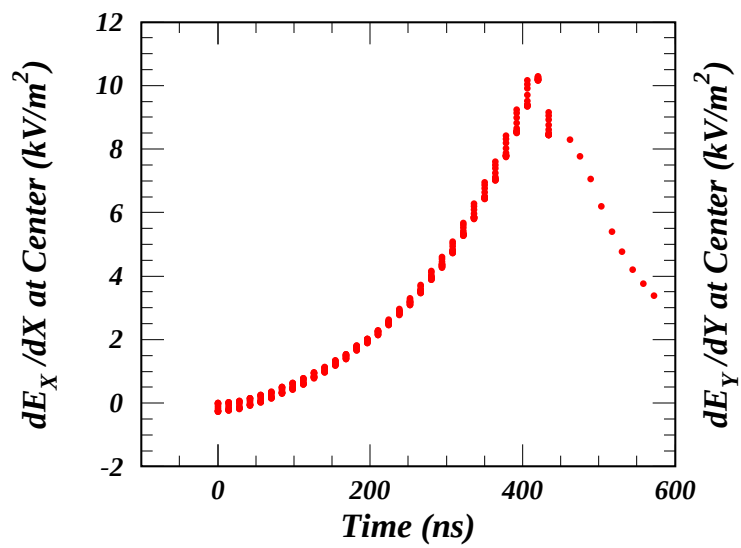
Central 5-sigma density at peak bunch current (10^{12} m^{-3})

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

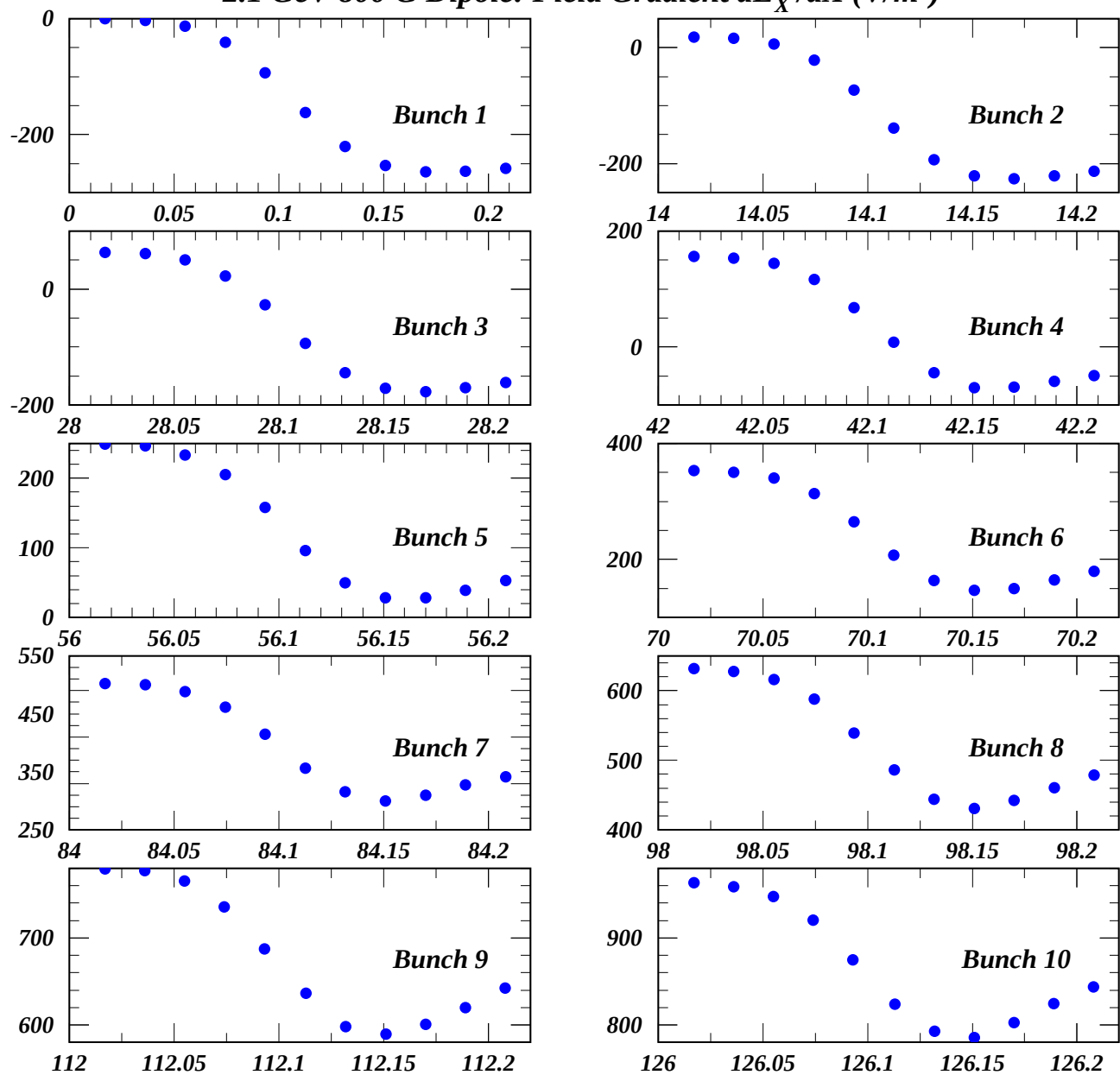


Central 100-sigma density at peak bunch current (10^{12} m^{-3})

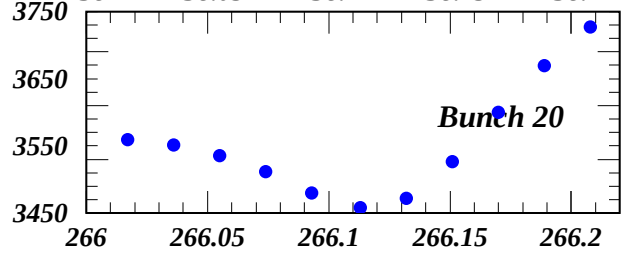
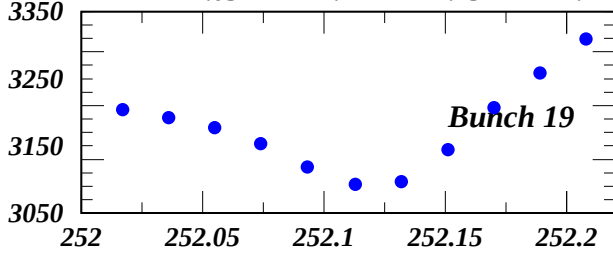
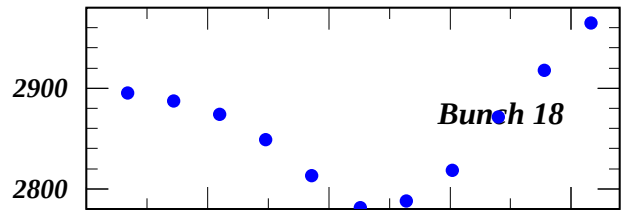
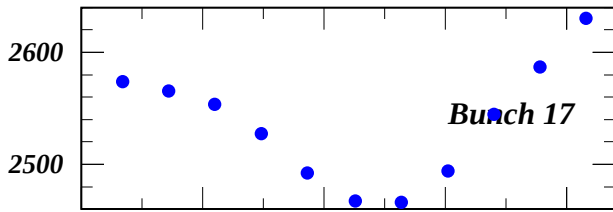
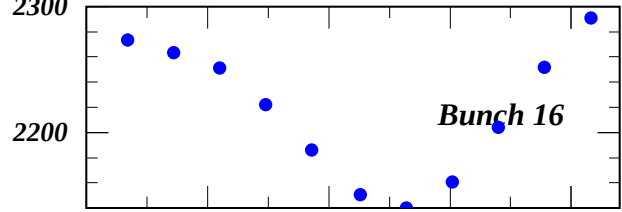
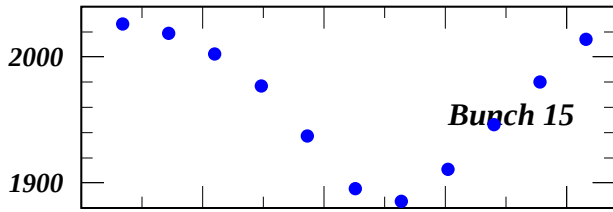
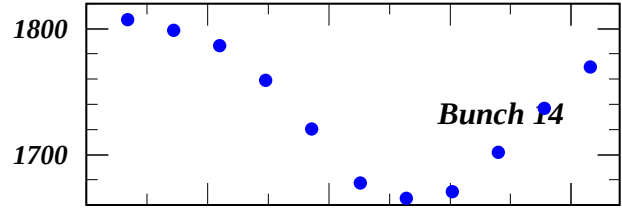
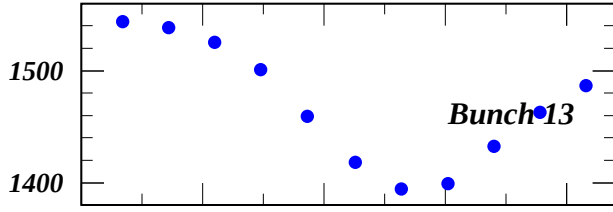
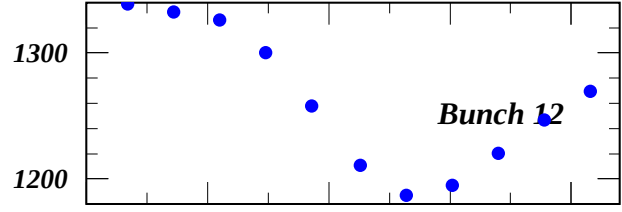
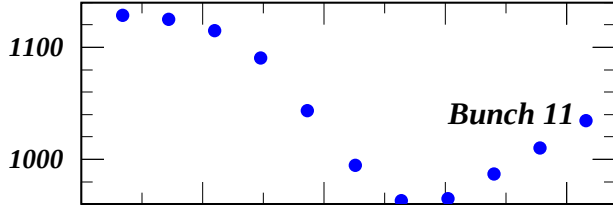




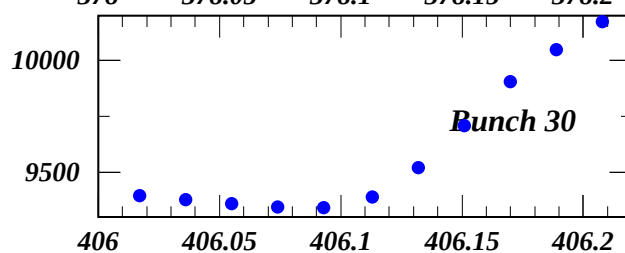
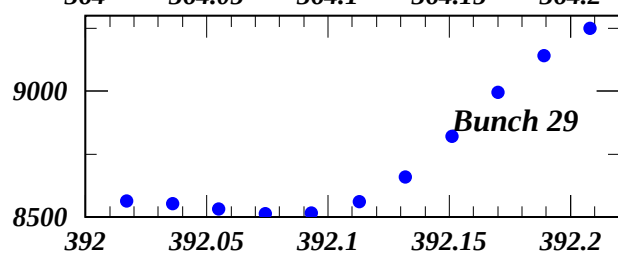
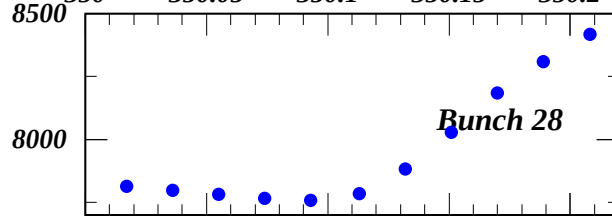
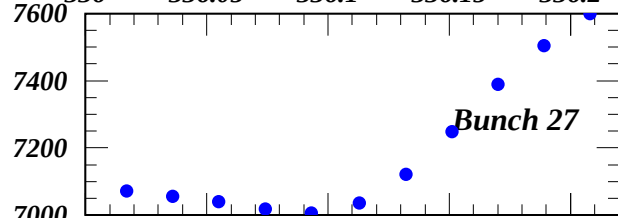
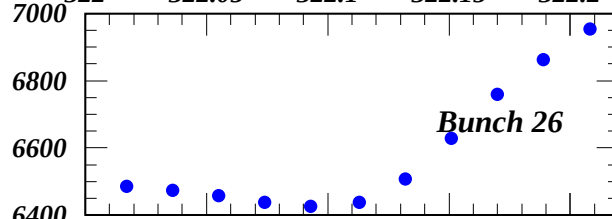
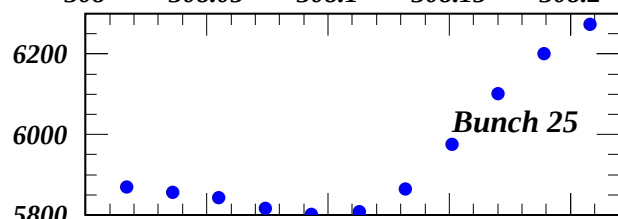
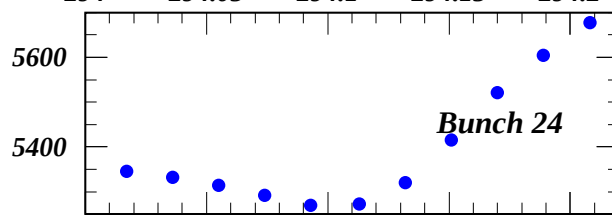
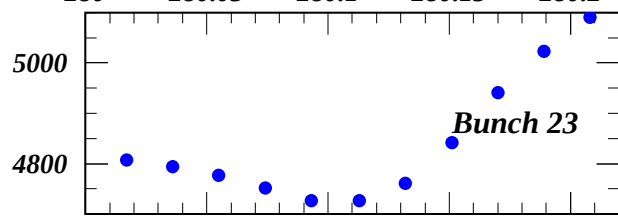
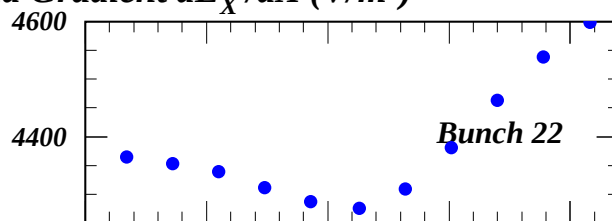
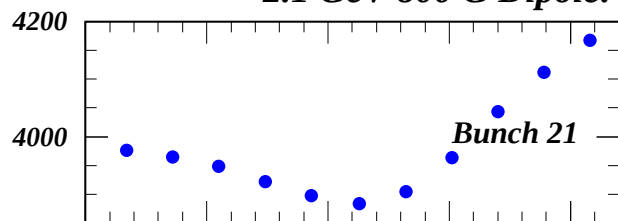
2.1 GeV 800 G Dipole: Field Gradient dE_x/dX (V/m²)



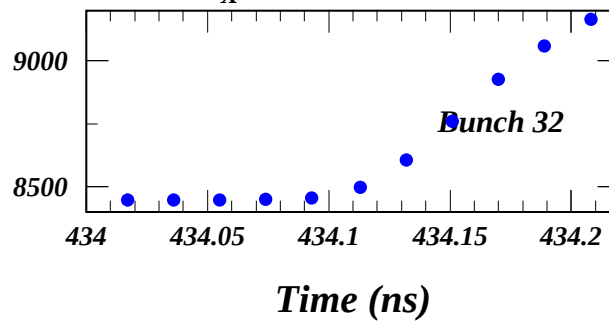
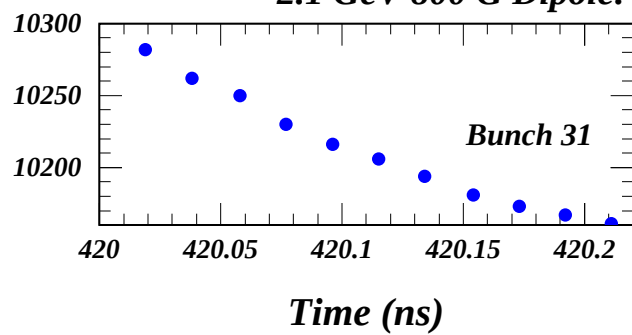
2.1 GeV 800 G Dipole: Field Gradient dE_x/dX (V/m²)



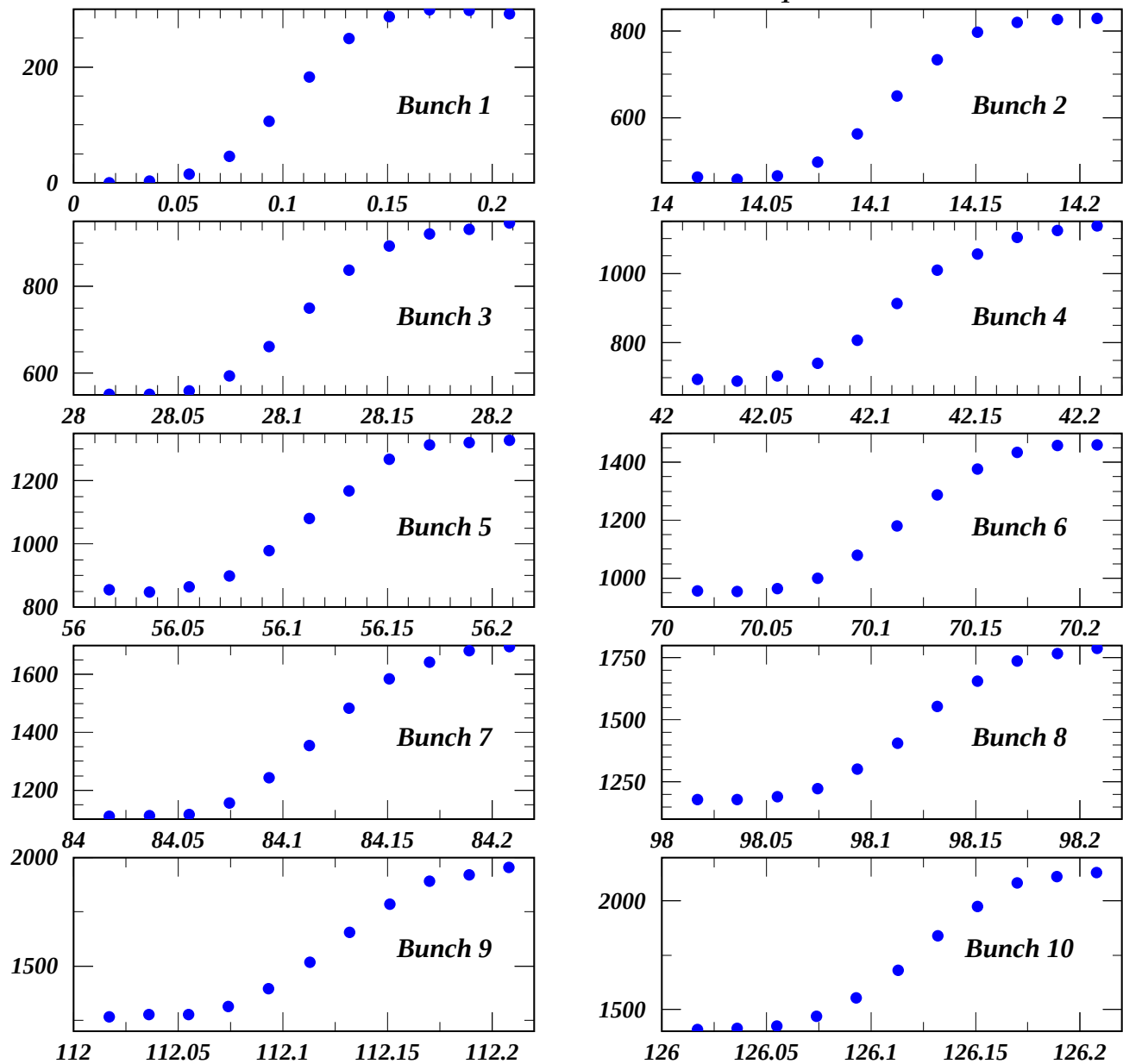
2.1 GeV 800 G Dipole: Field Gradient dE_x/dX (V/m²)



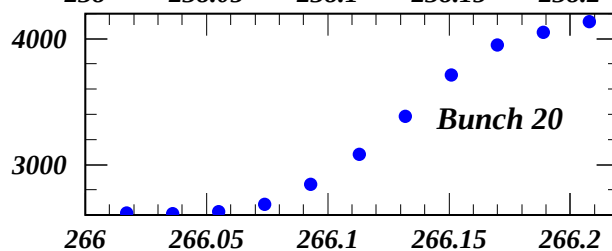
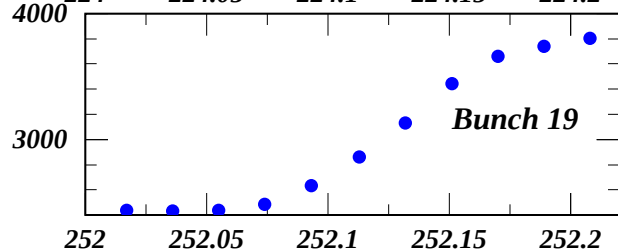
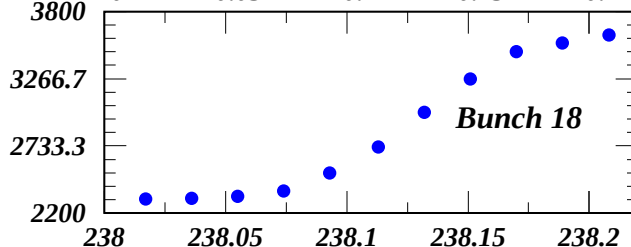
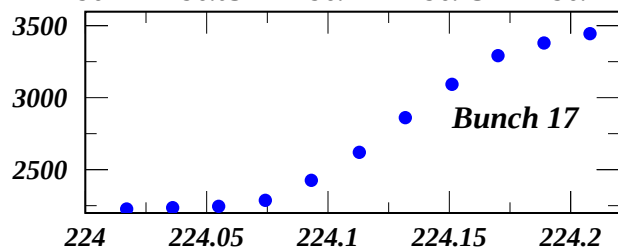
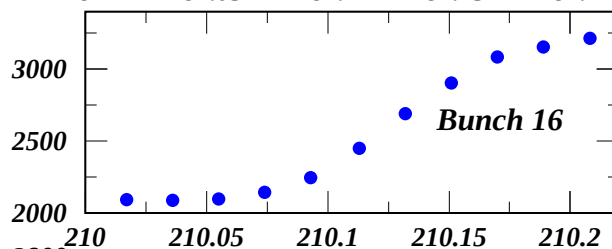
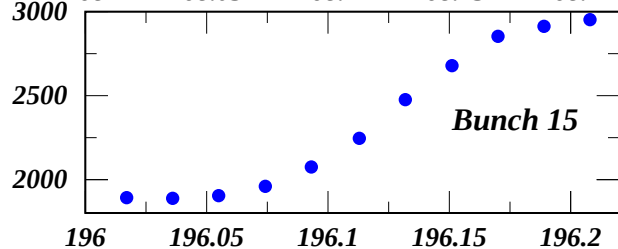
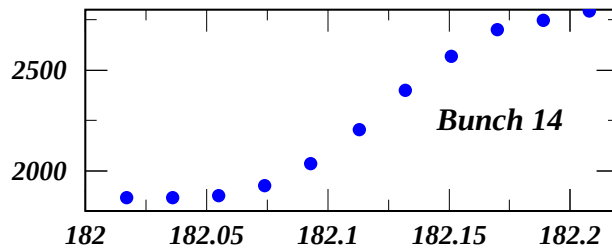
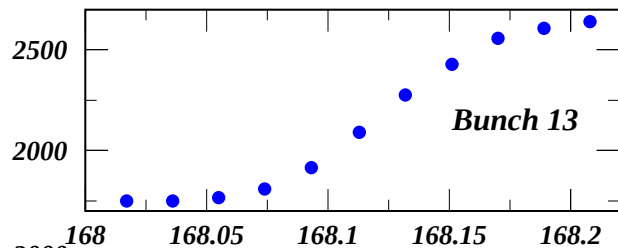
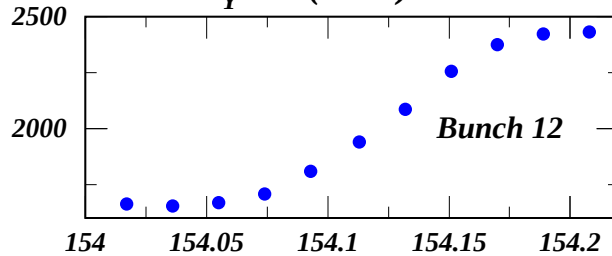
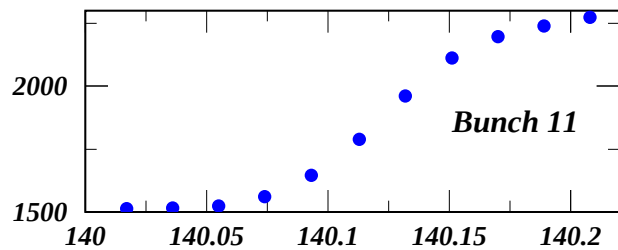
2.1 GeV 800 G Dipole: Field Gradient dE_x/dX (V/m²)



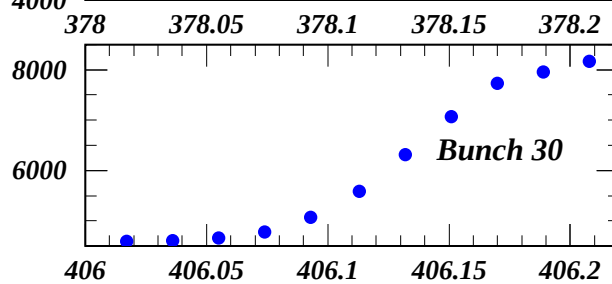
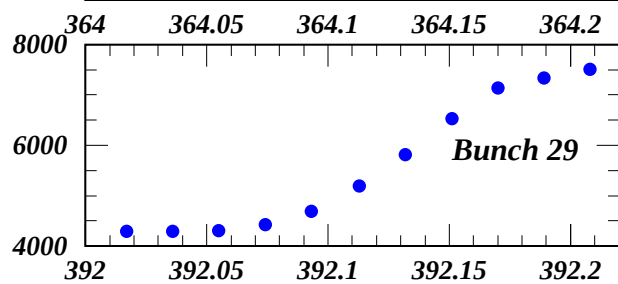
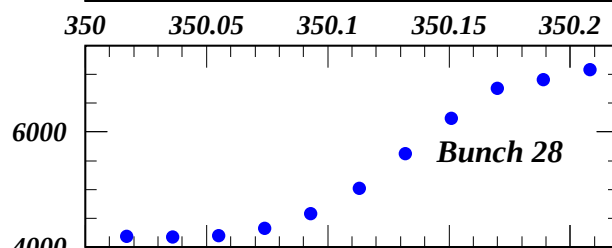
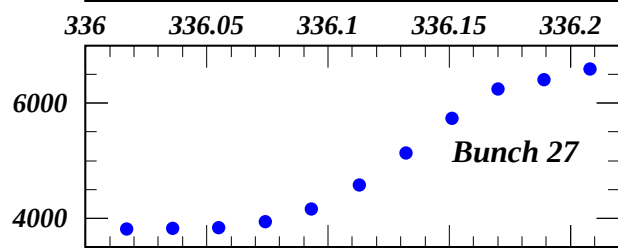
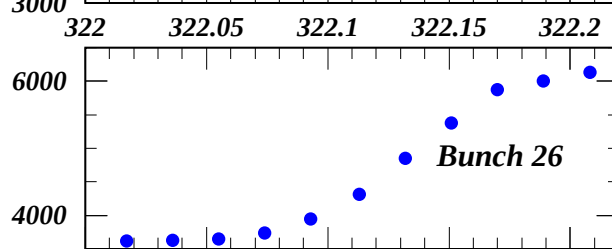
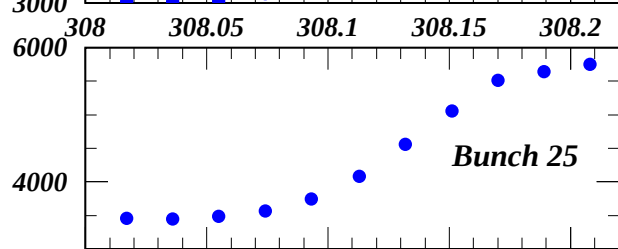
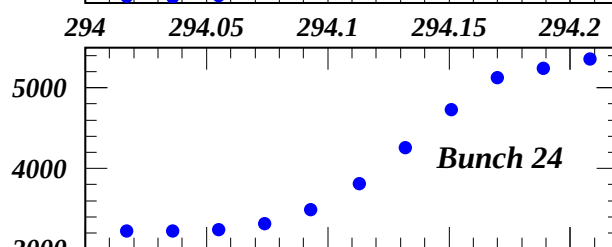
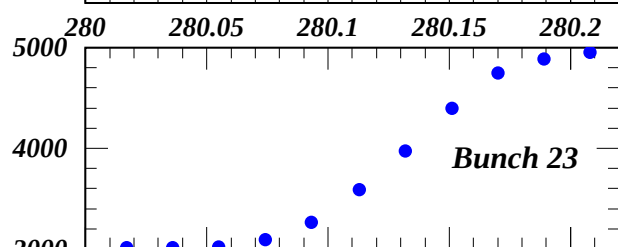
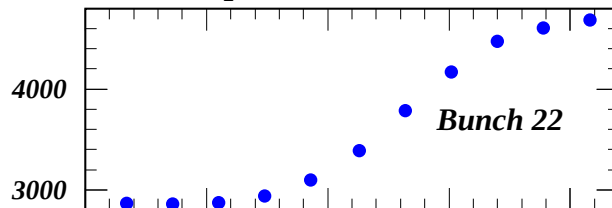
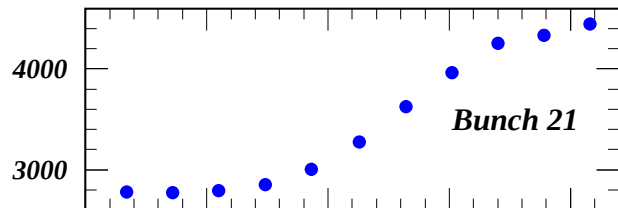
2.1 GeV 800 G Dipole: Field Gradient dE_Y/dY (V/m^2)



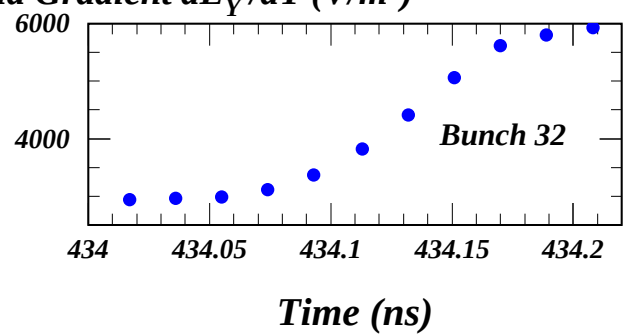
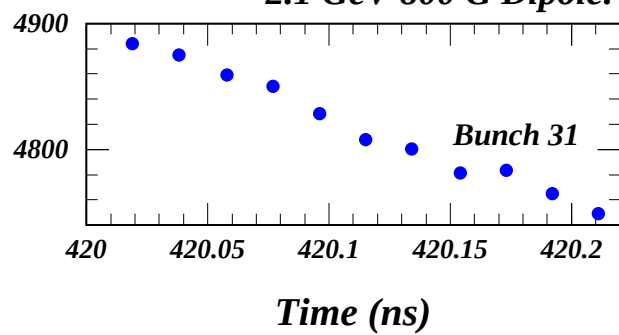
2.1 GeV 800 G Dipole: Field Gradient dE_Y/dY (V/m²)



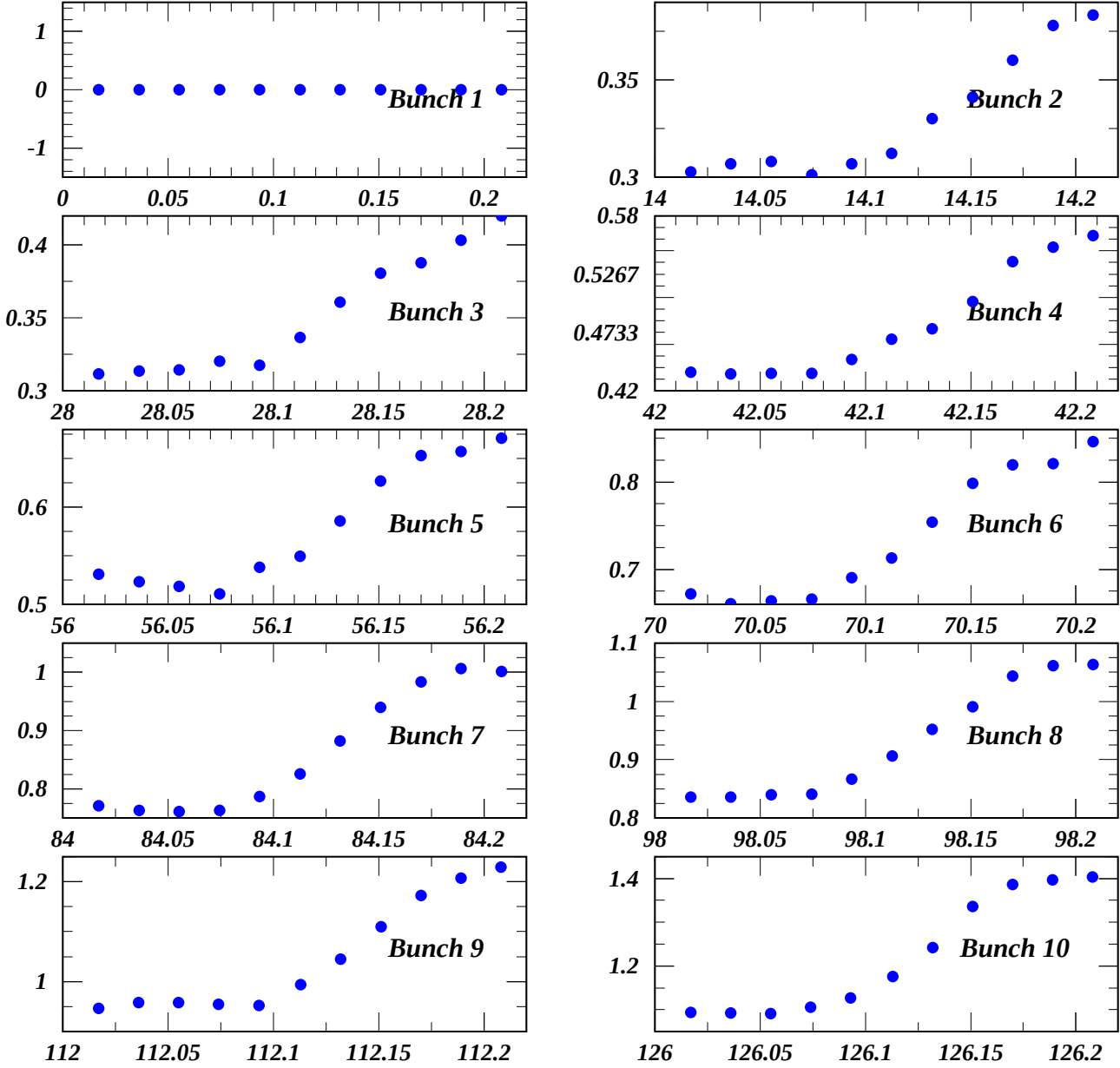
2.1 GeV 800 G Dipole: Field Gradient dE_Y/dY (V/m^2)



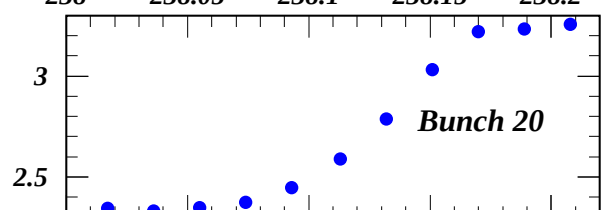
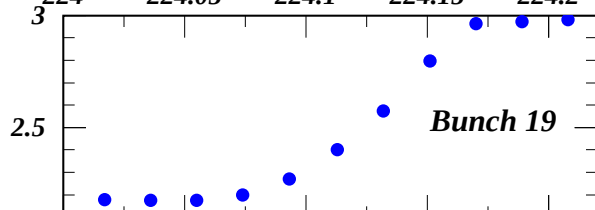
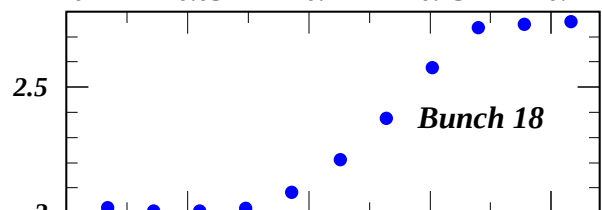
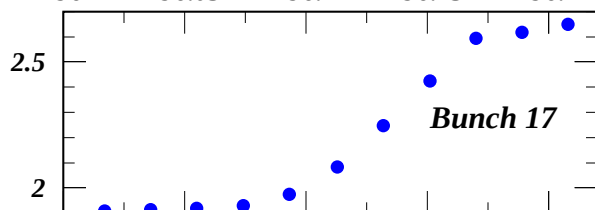
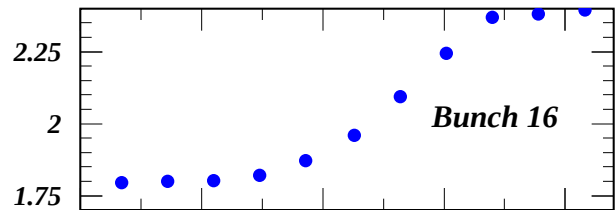
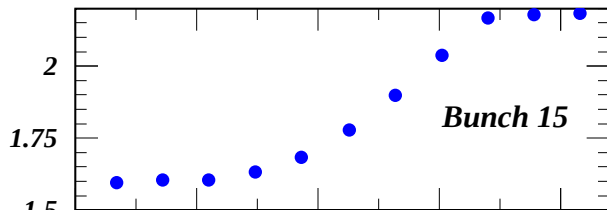
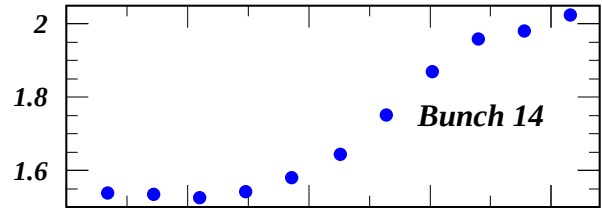
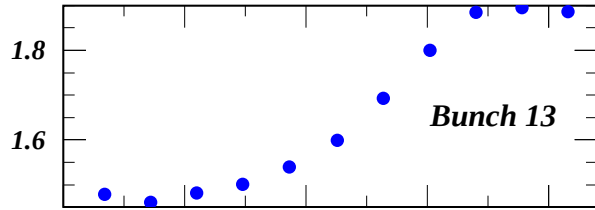
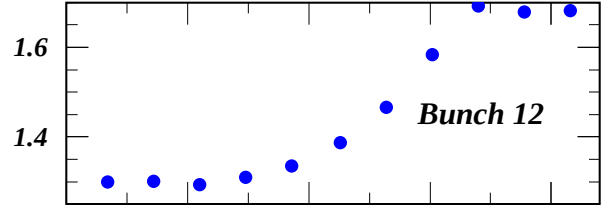
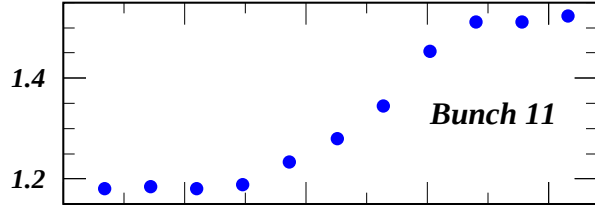
2.1 GeV 800 G Dipole: Field Gradient dE_Y/dY (V/m^2)



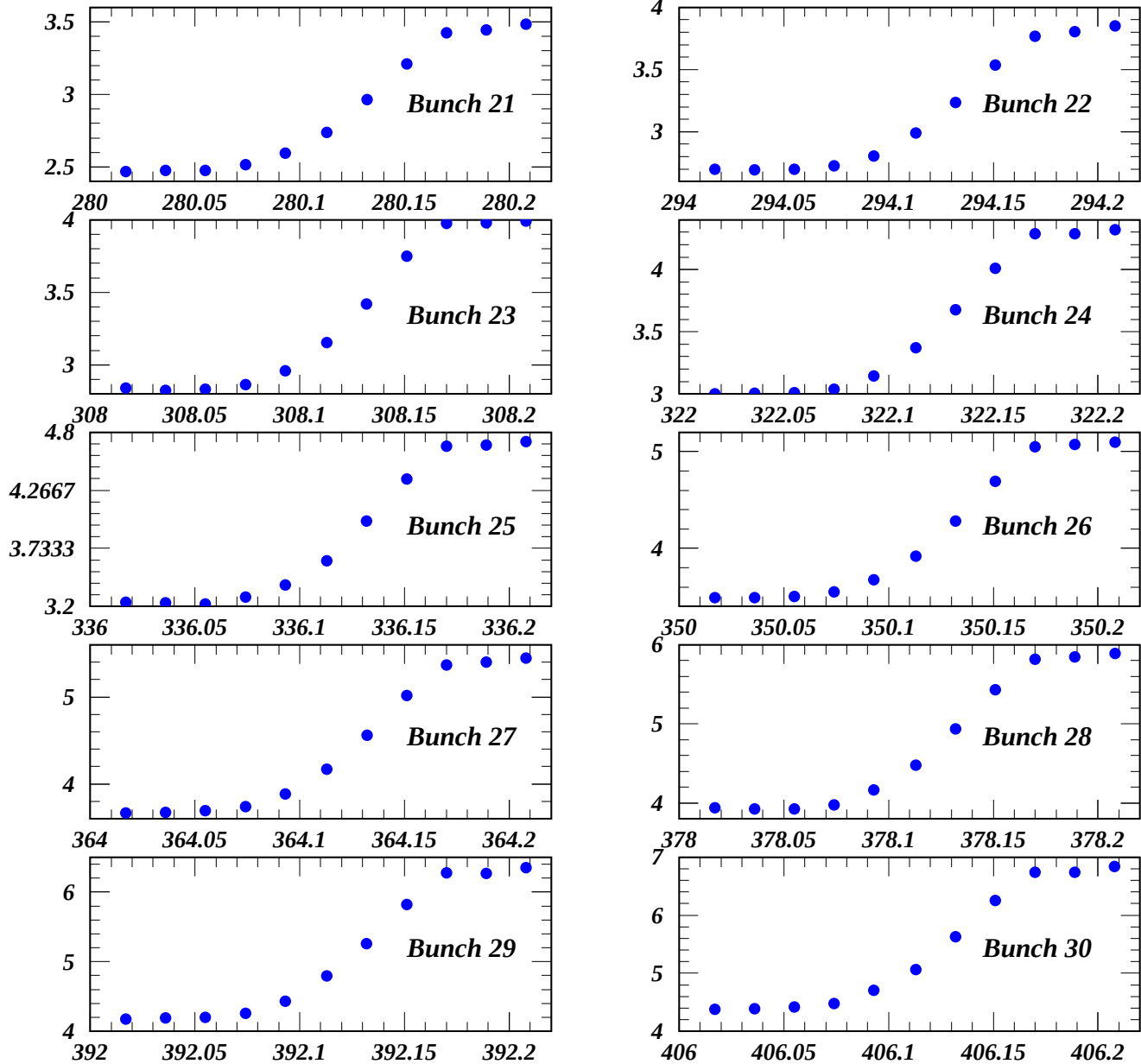
2.1 GeV 800 G Dipole: 5σ Central Density (10^{11} m^{-3})



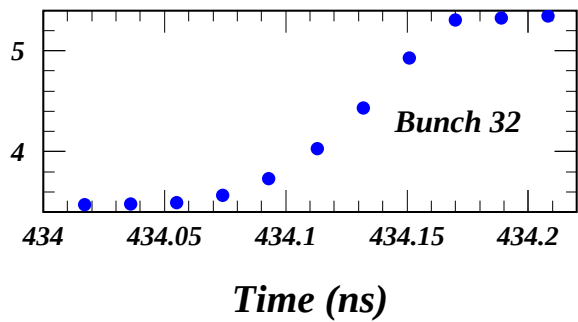
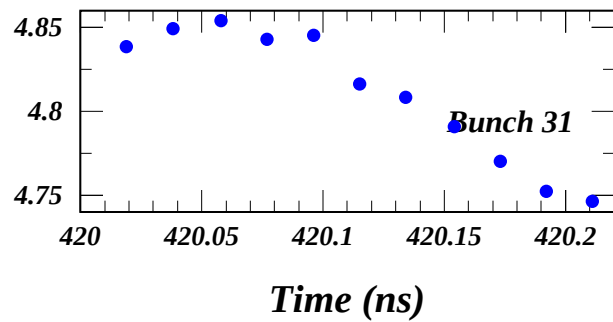
2.1 GeV 800 G Dipole: 5σ Central Density (10^{11} m^{-3})



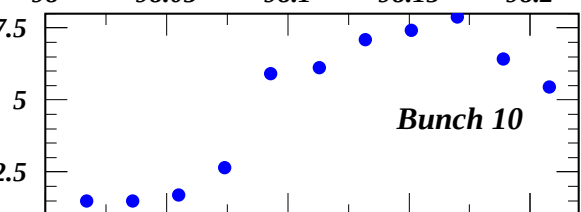
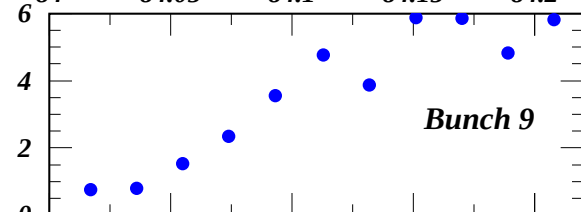
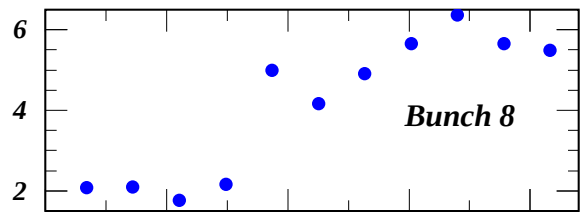
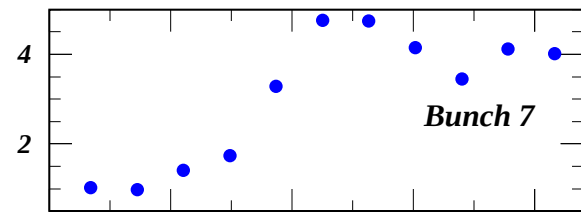
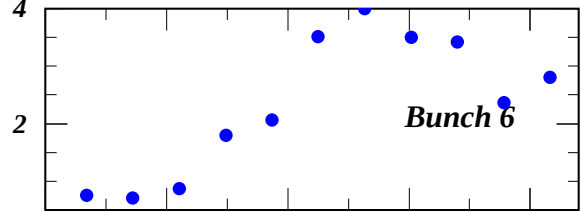
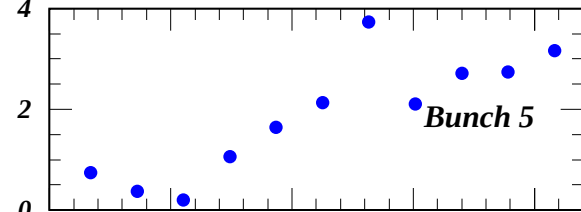
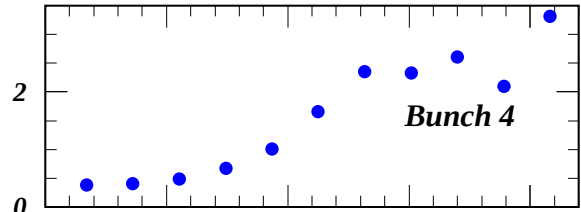
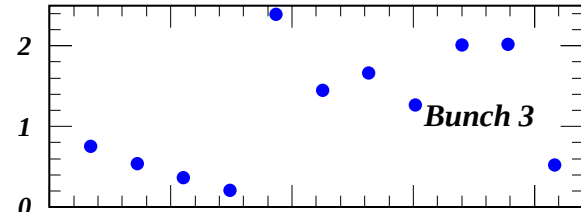
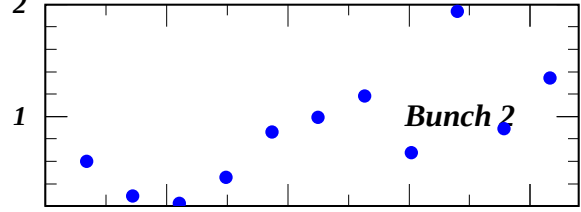
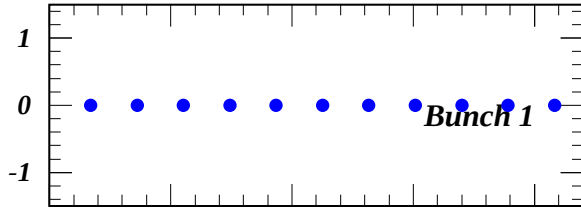
2.1 GeV 800 G Dipole: 5σ Central Density (10^{11} m^{-3})



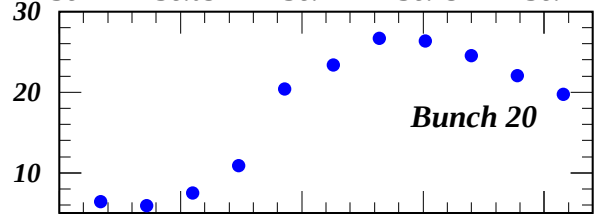
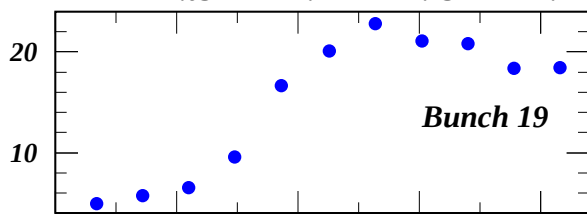
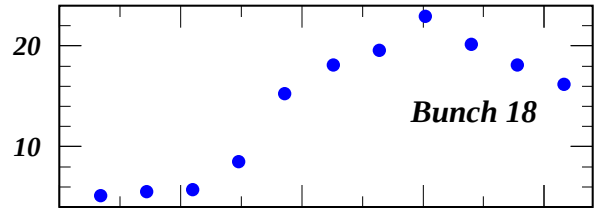
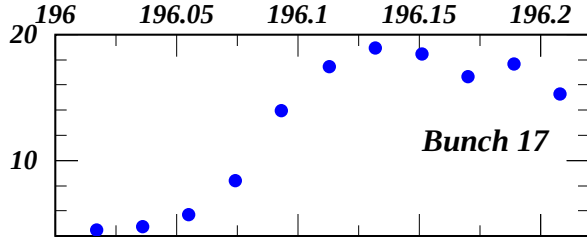
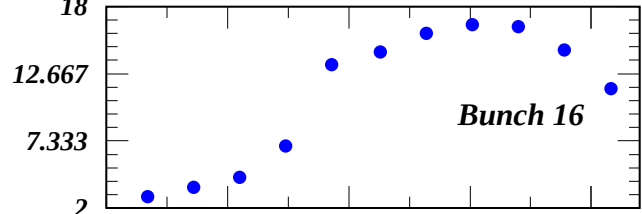
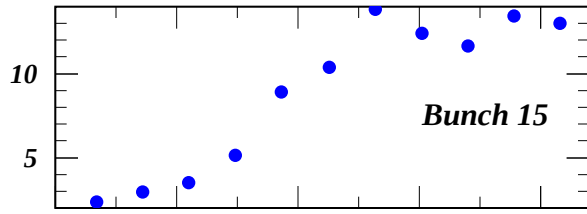
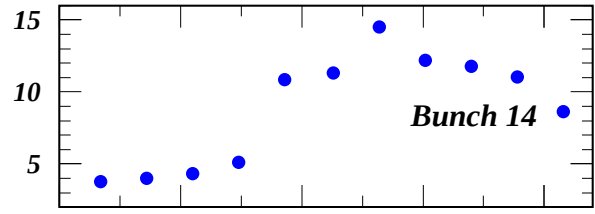
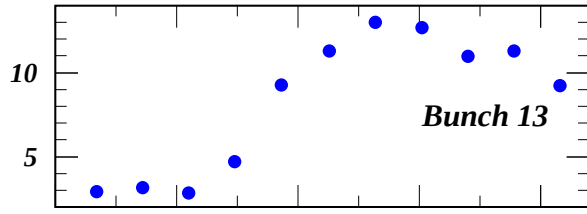
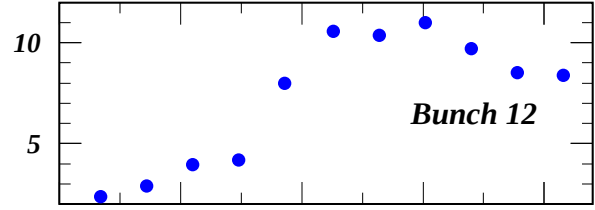
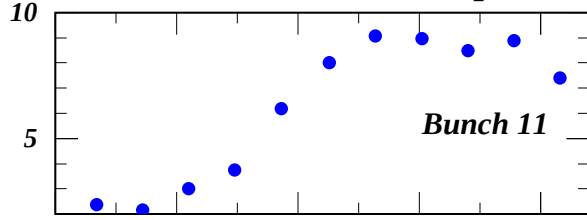
2.1 GeV 800 G Dipole: 5σ Central Density (10^{11} m^{-3})



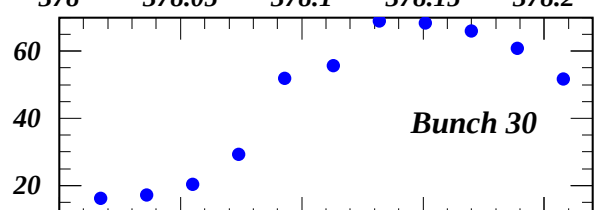
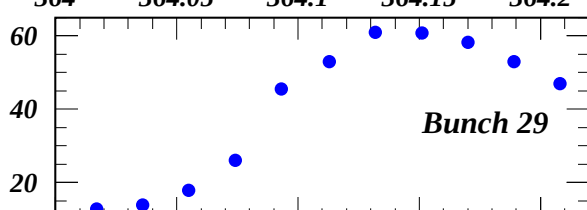
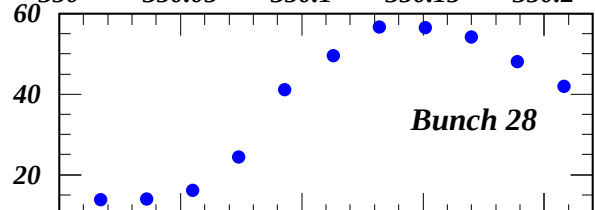
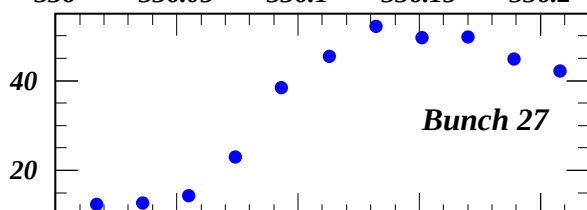
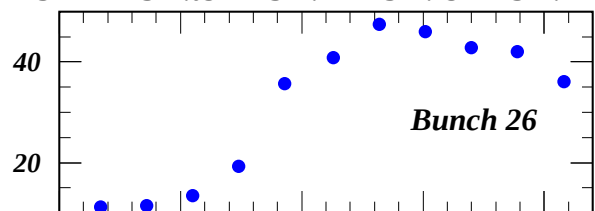
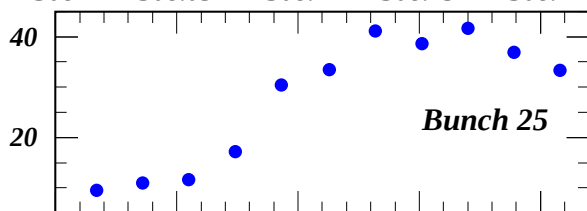
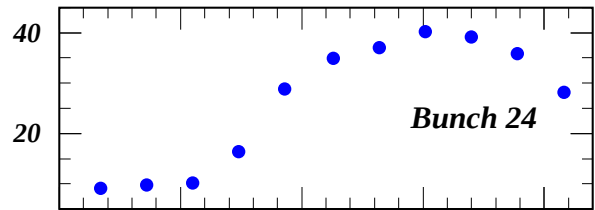
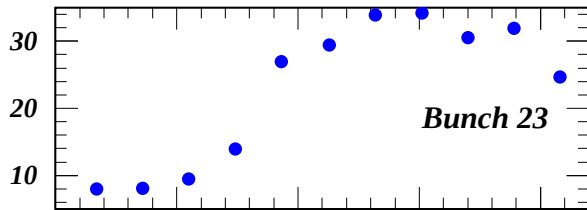
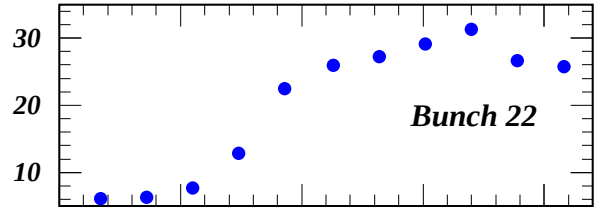
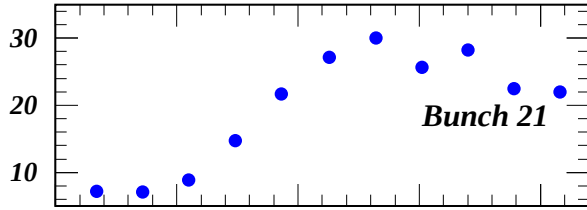
2.1 GeV 800 G Dipole: Beam-weighted Density (10^{11} m^{-3})



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})



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

