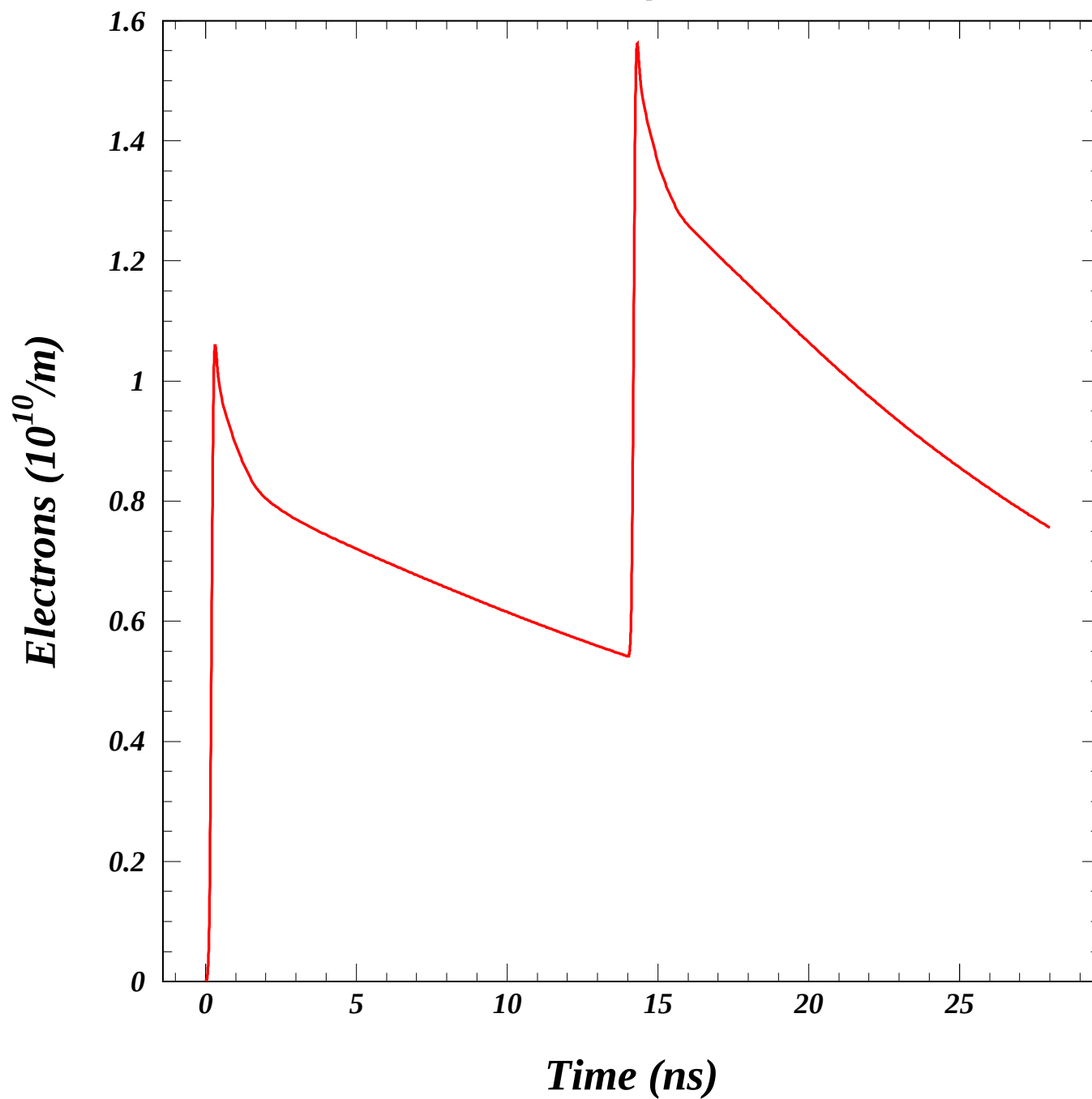
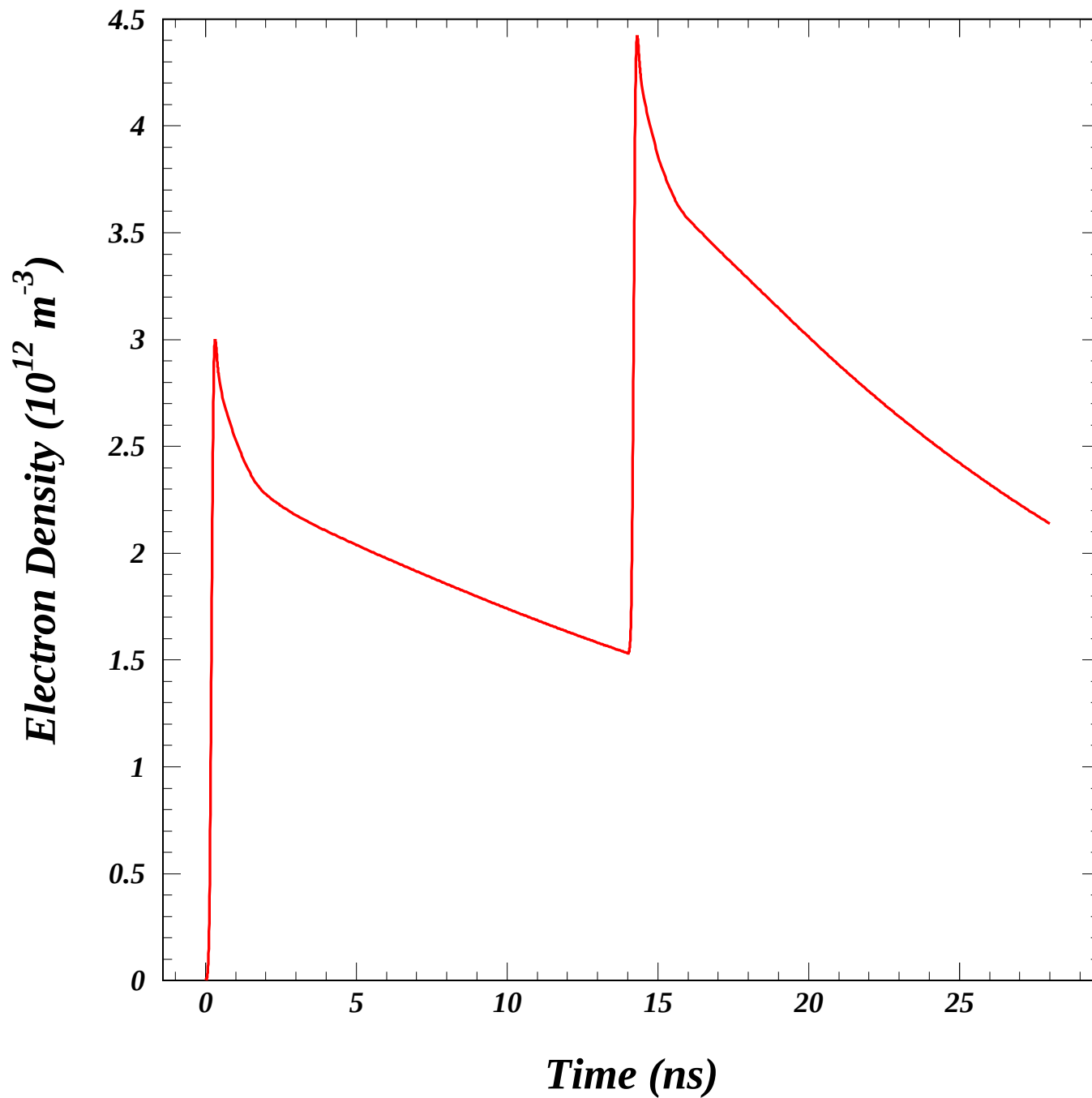
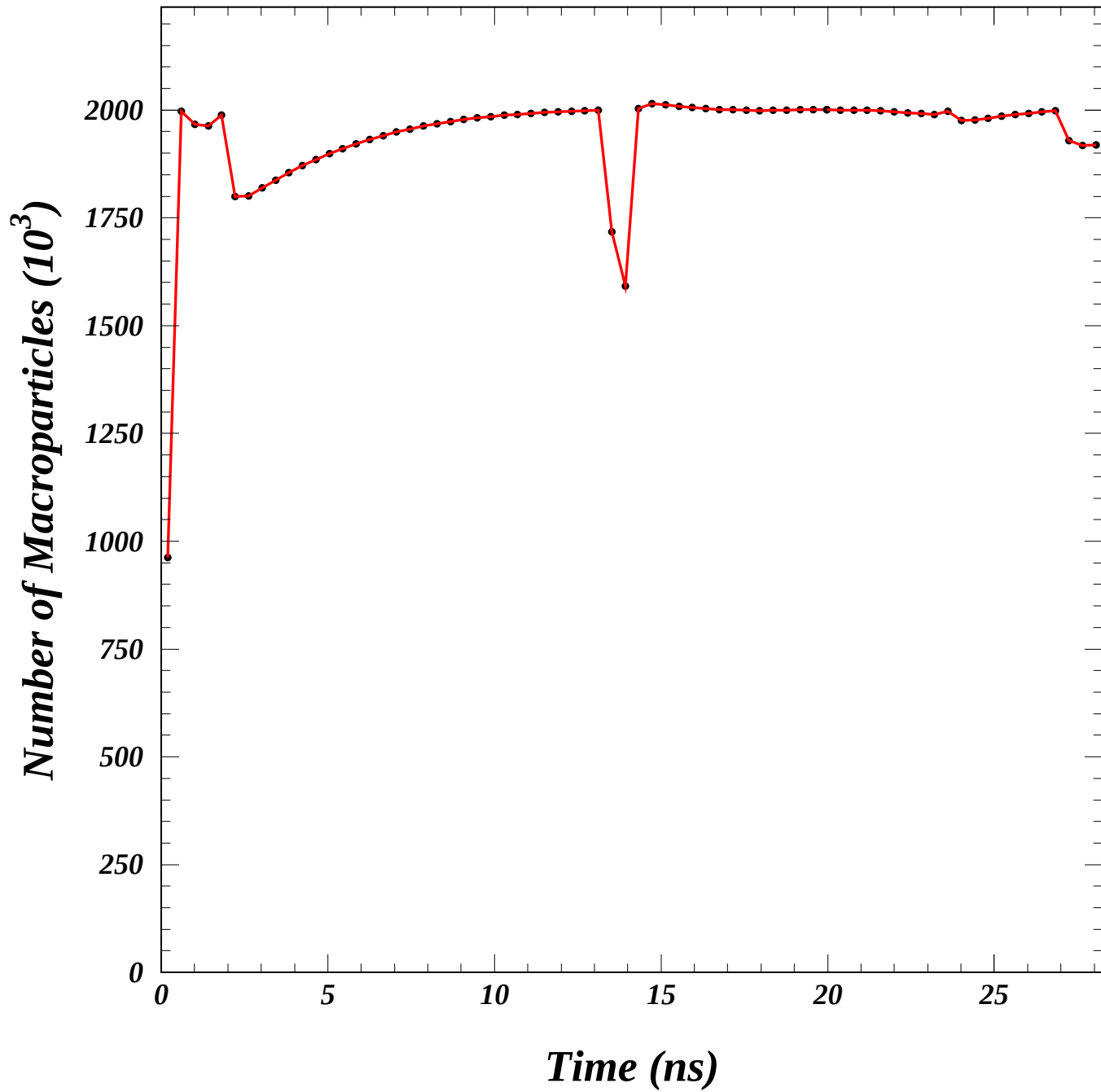
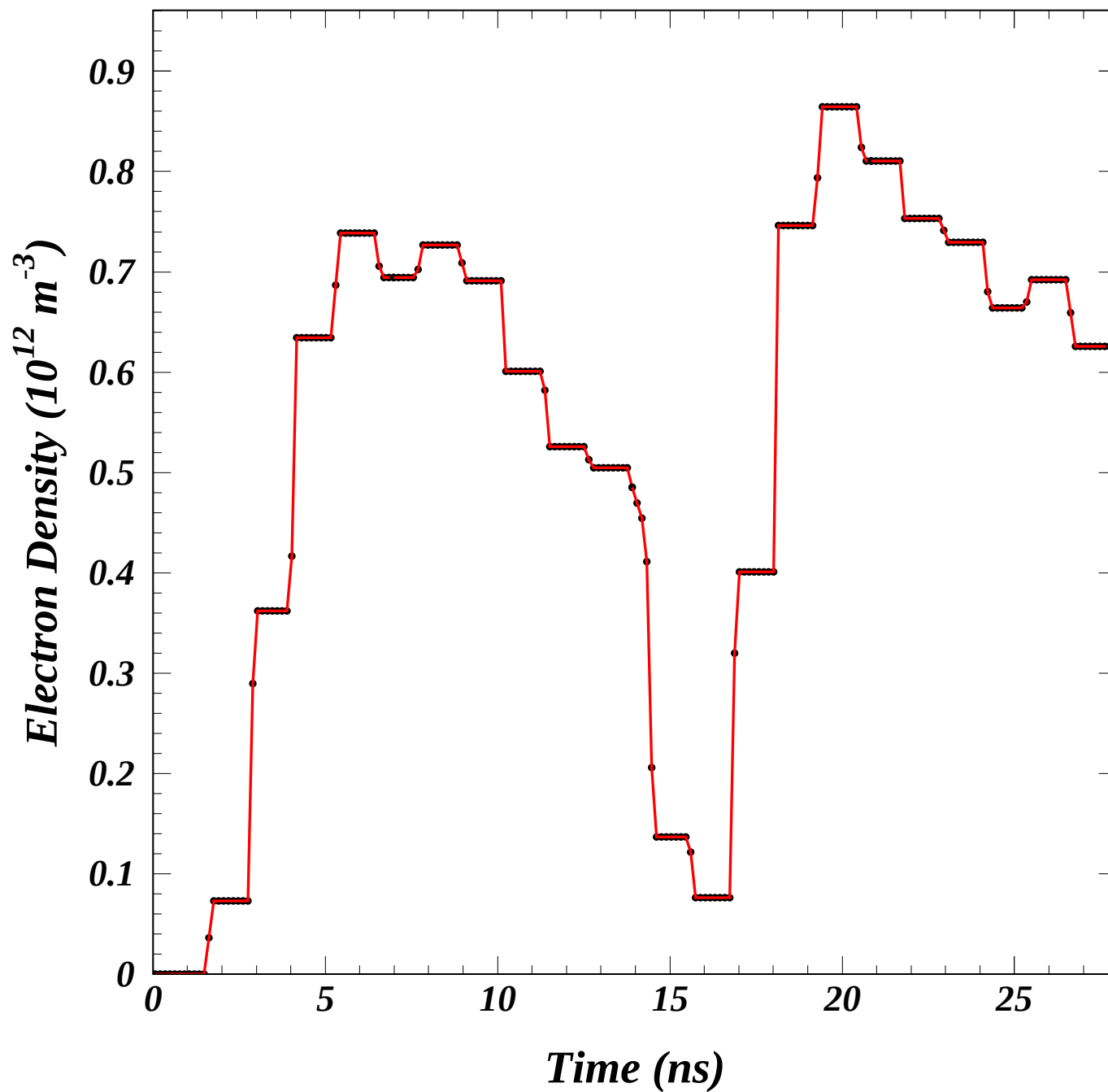


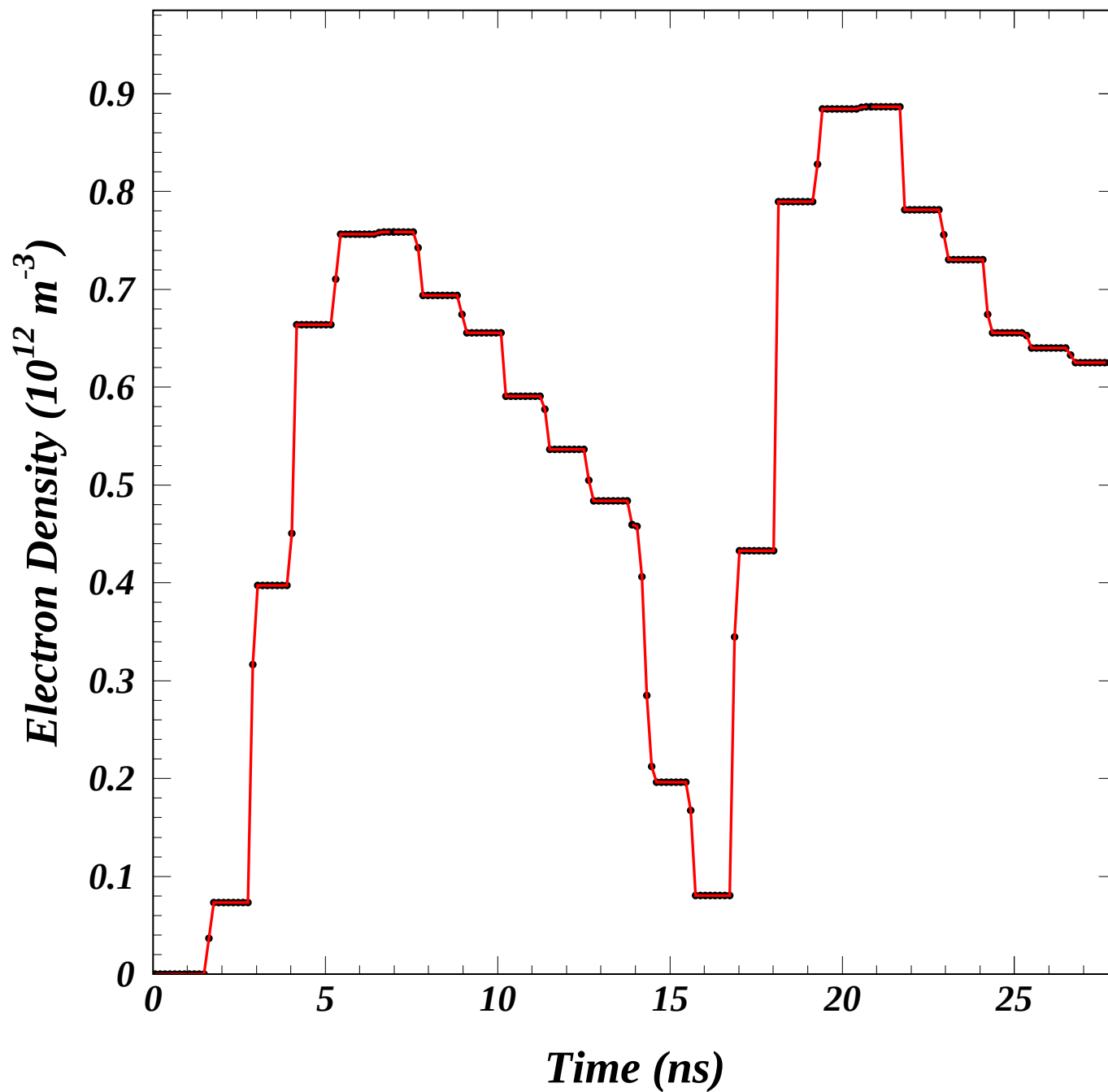
Job 16626: Number of Cloud Electrons

Beampipe-averaged Cloud Density (10^{12} m^{-3})

Macroparticle Statistics

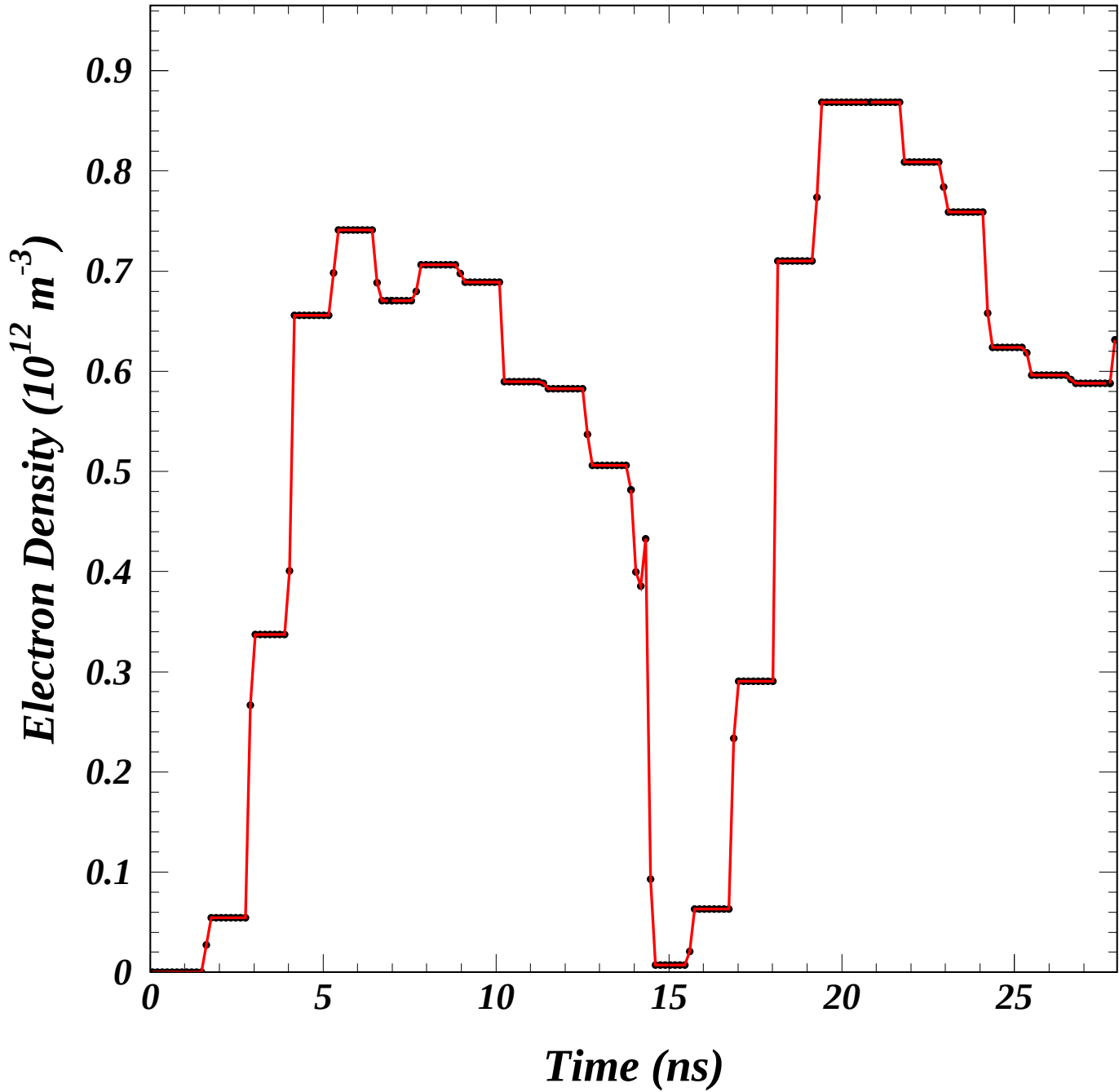


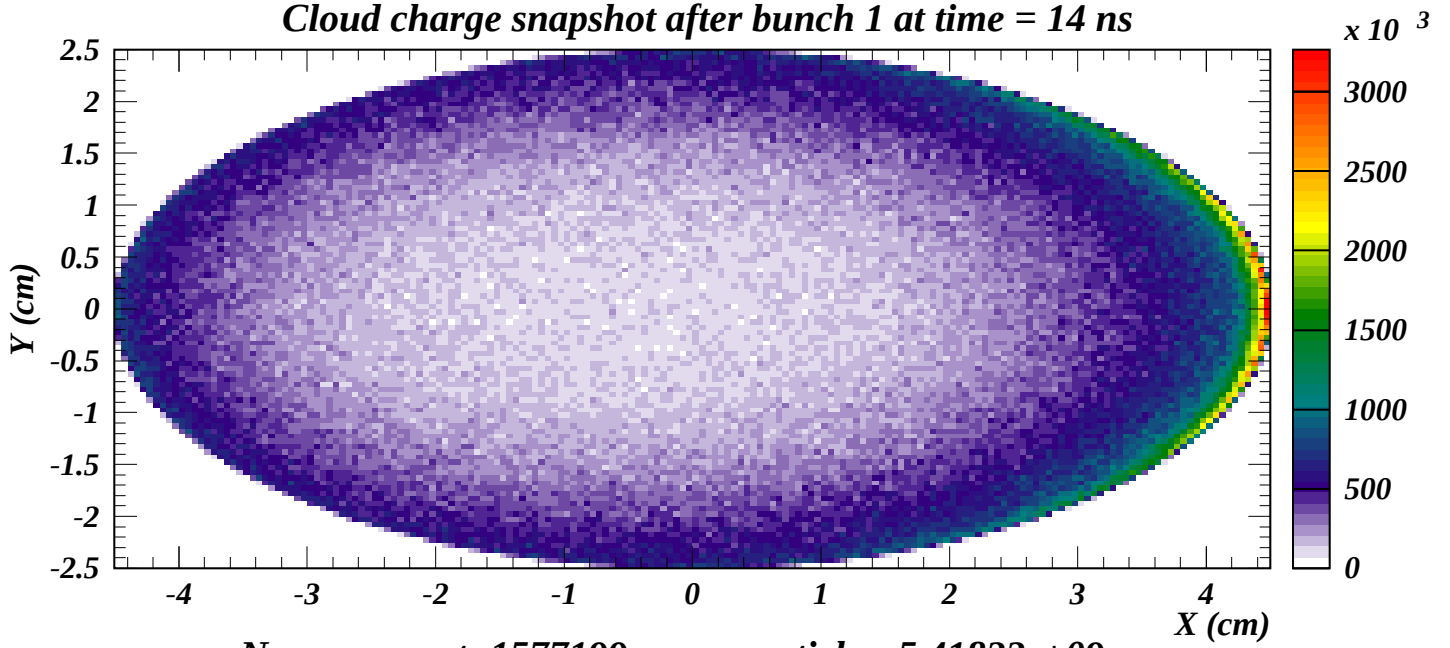
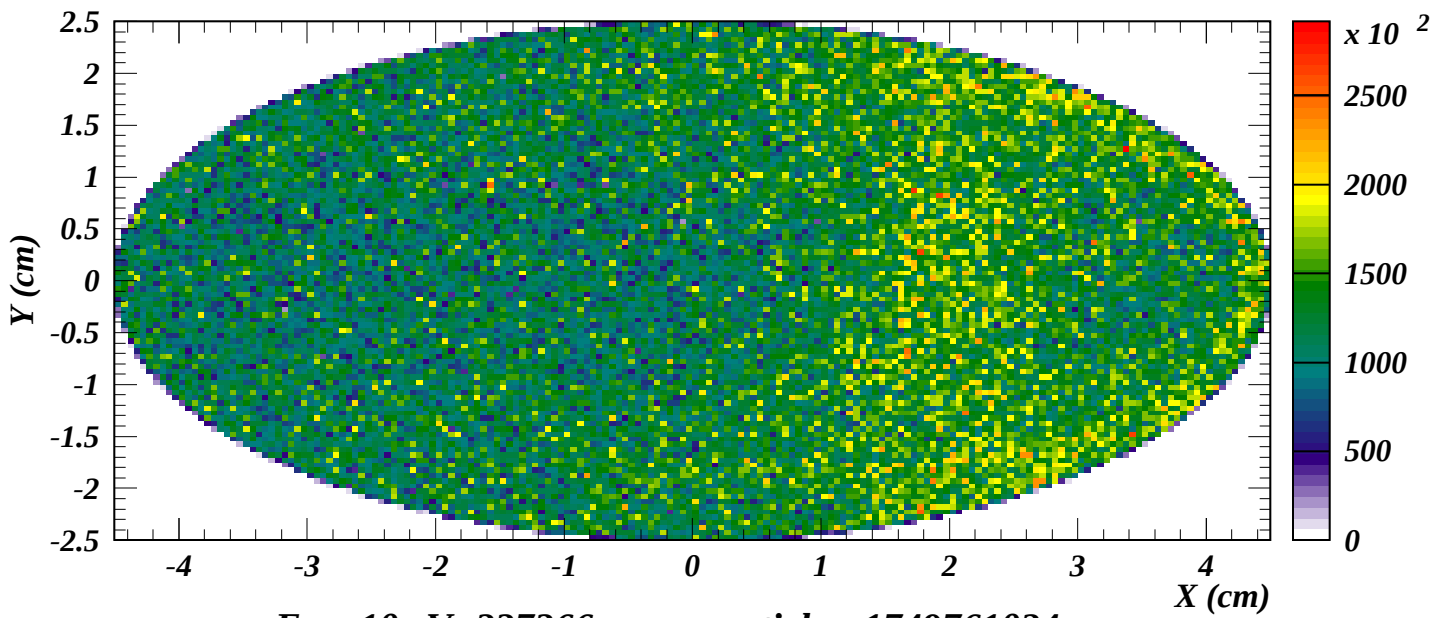
Beam-averaged Cloud Density (10^{12} m^{-3})

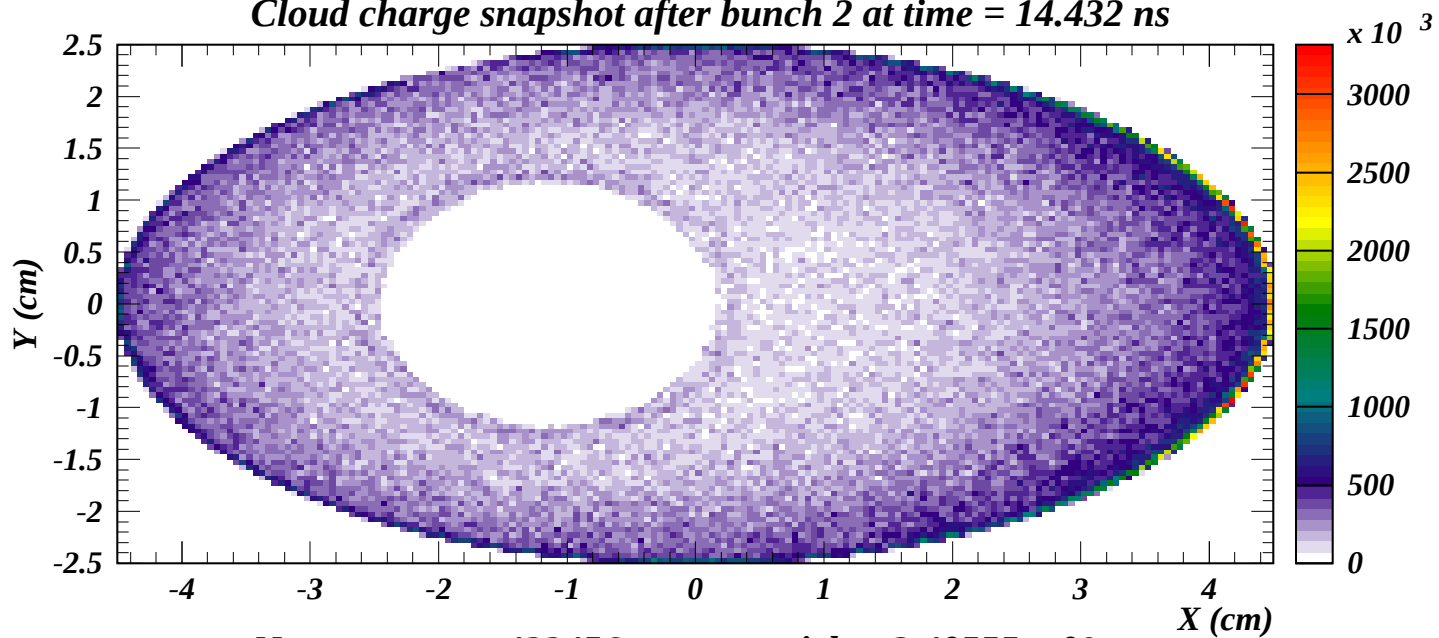
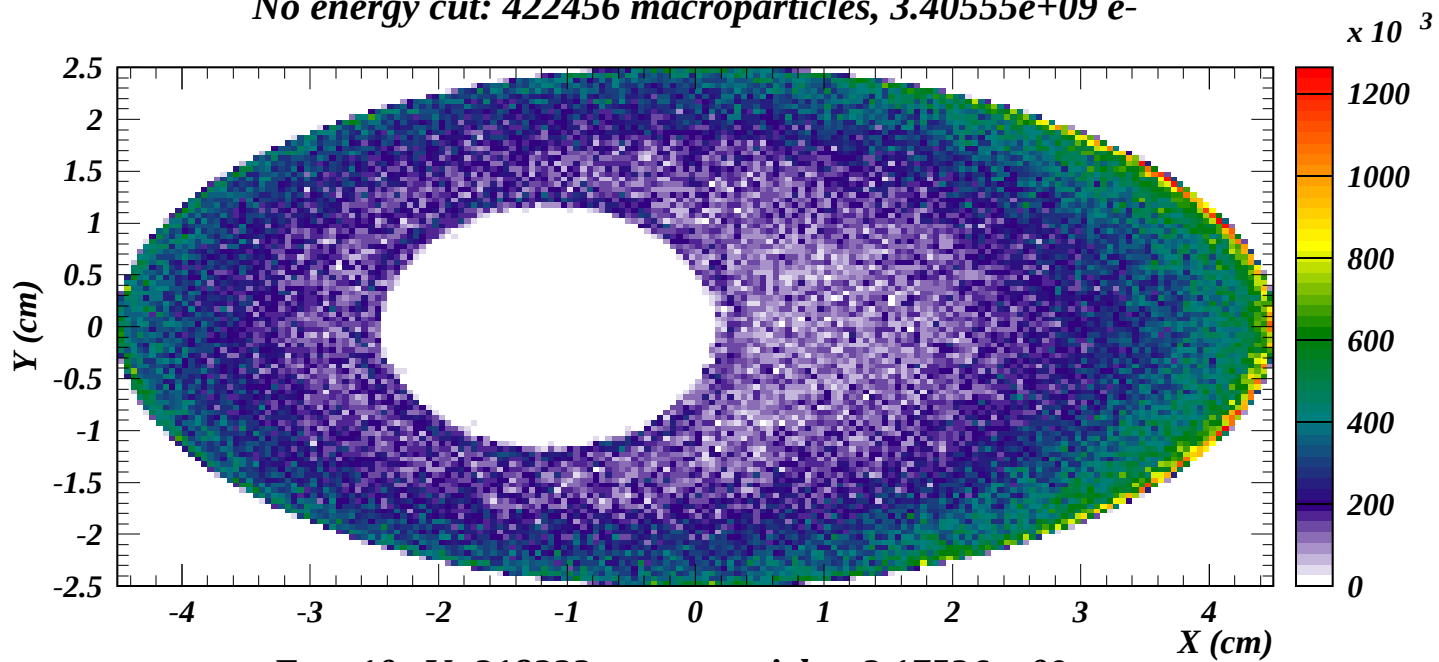
5-Sigma Cloud Density at Center of Pipe (10^{12} m^{-3})

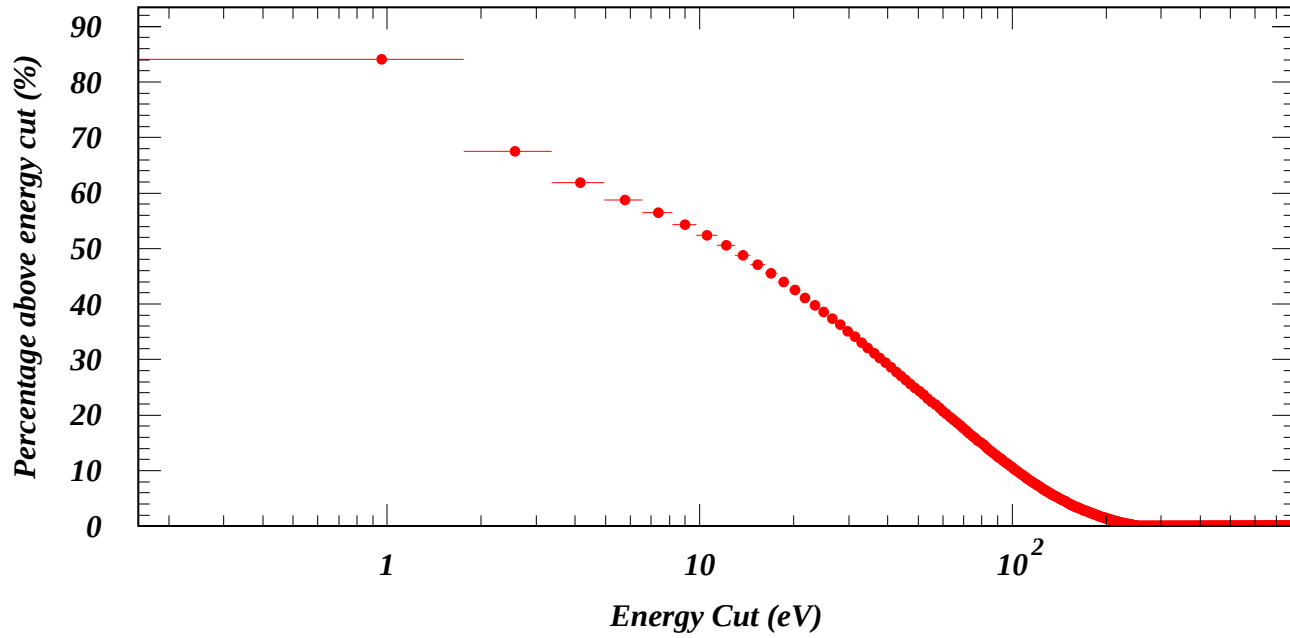
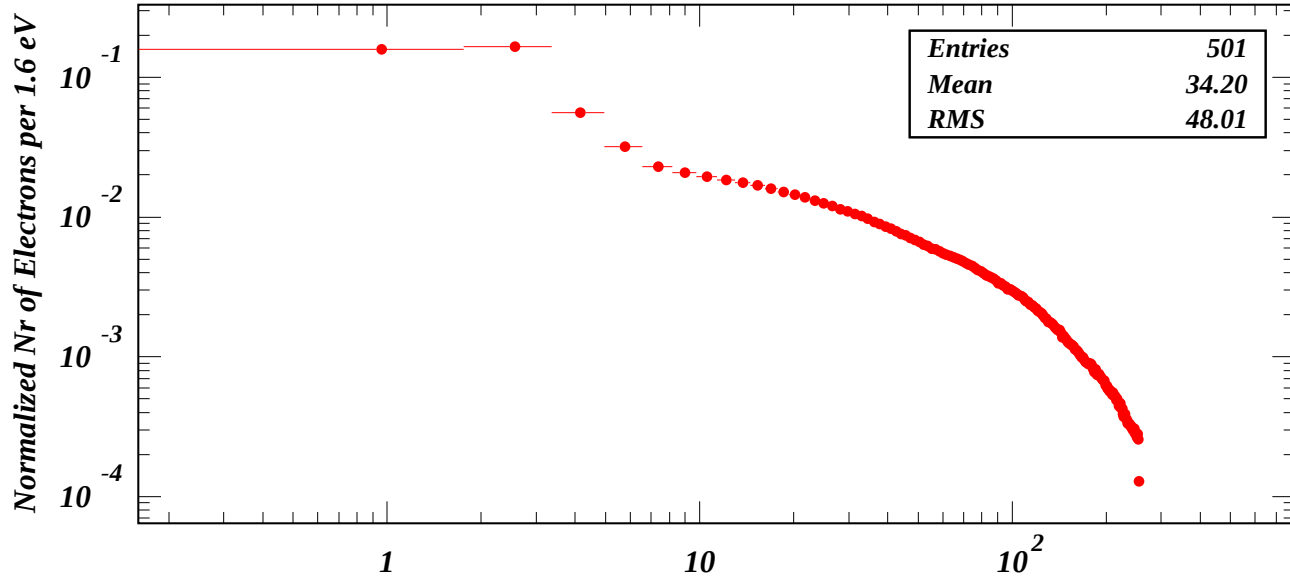
10/07/15 17.54

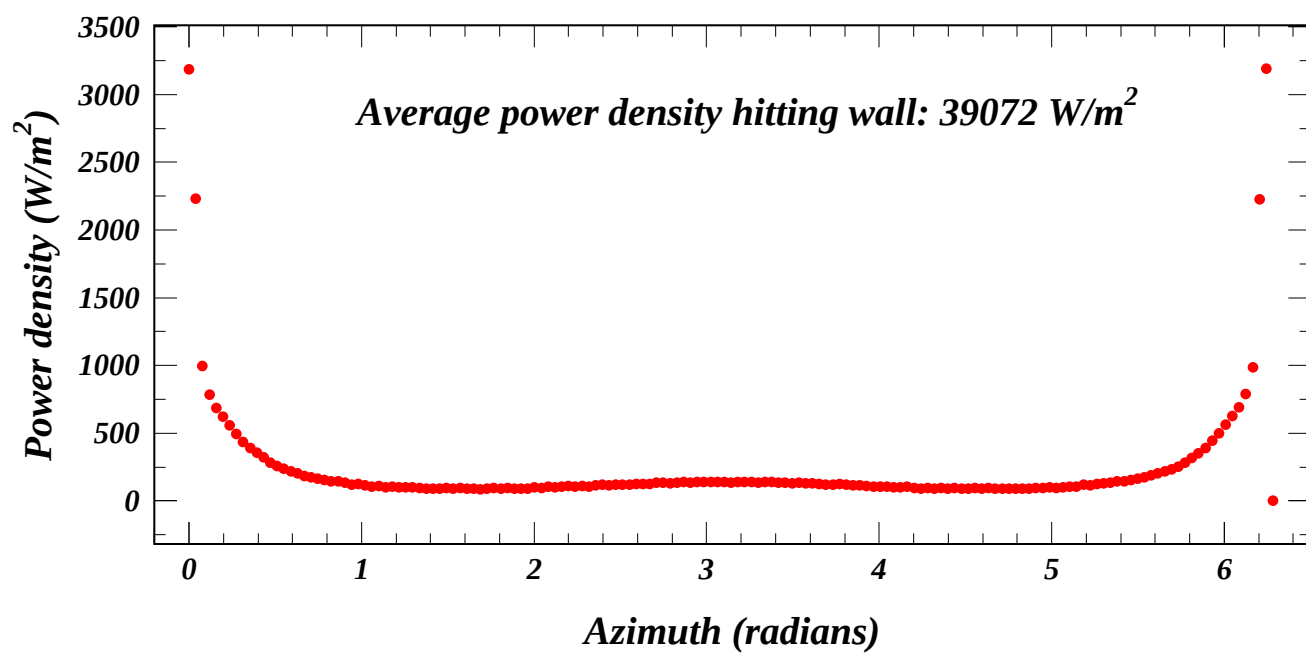
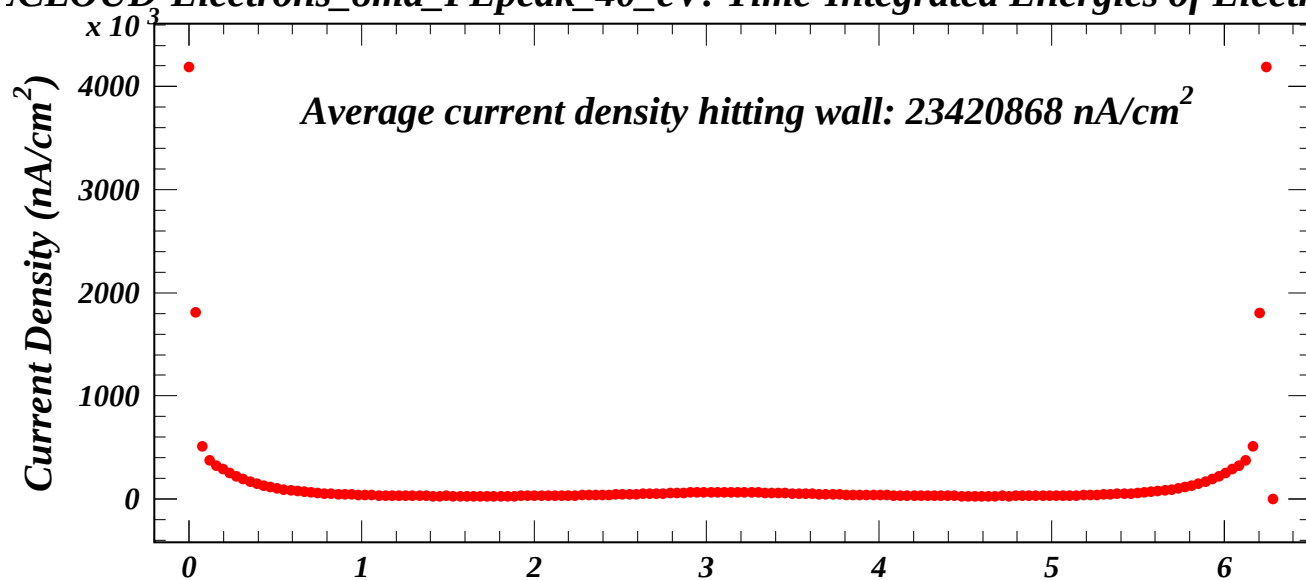
ECLOUD-Electrons_8ma_PEpeak_40_eV: Cloud Density in Central Grid Cell (10^{12} m

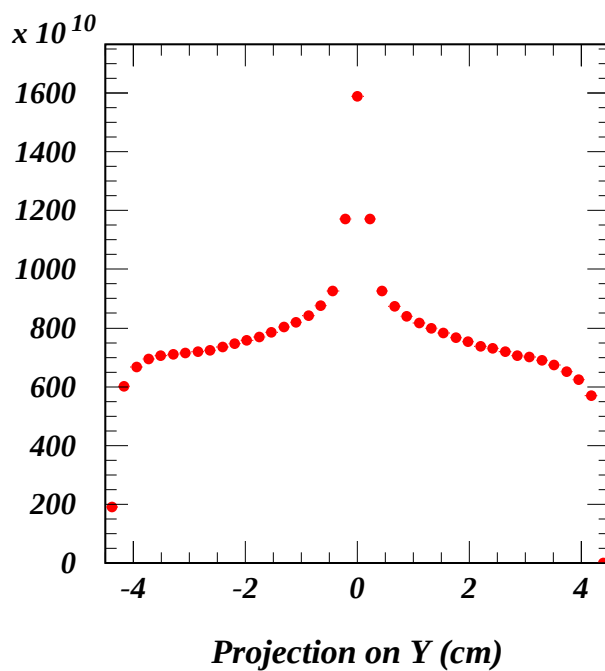
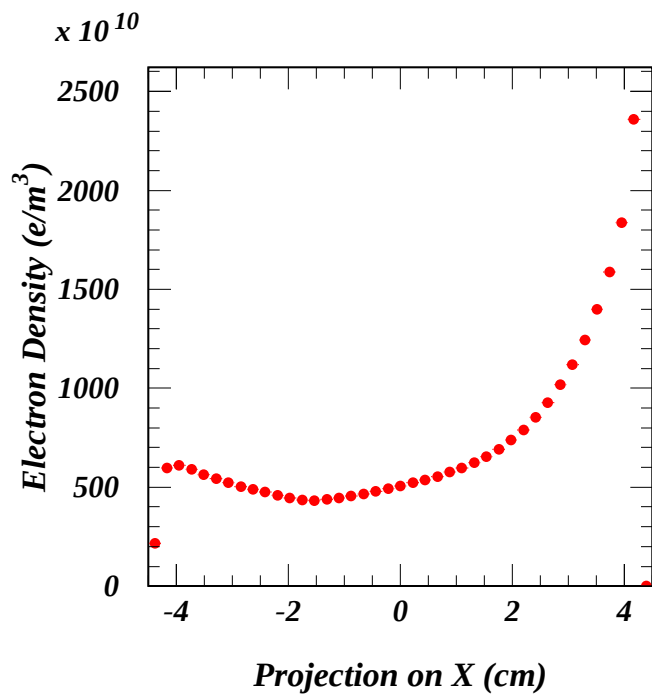
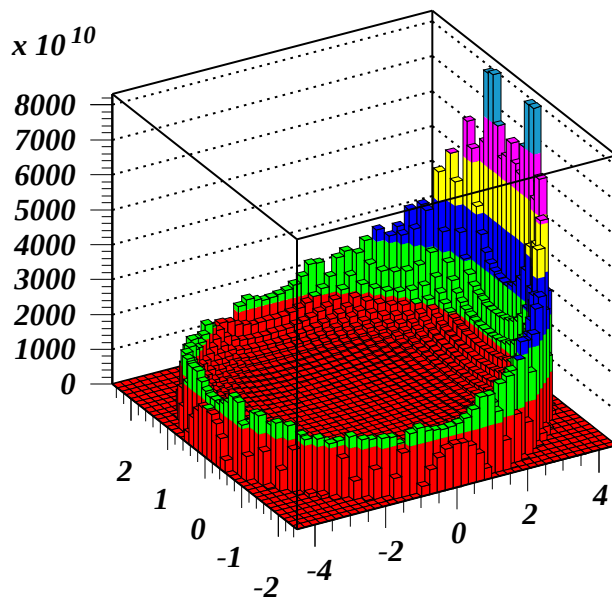
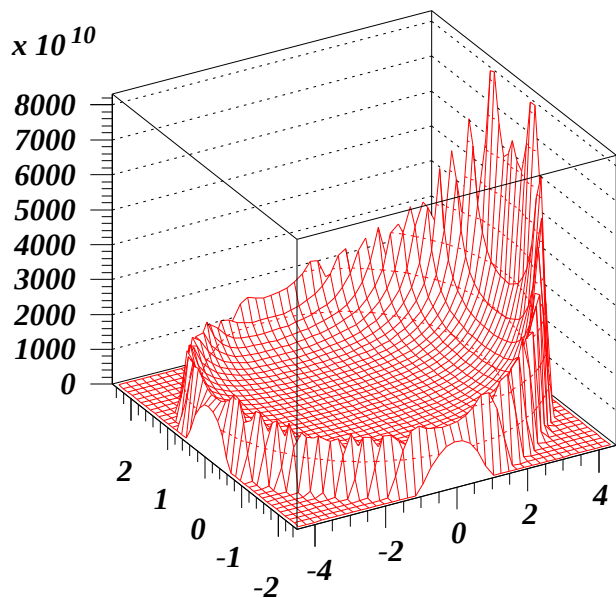


Cloud charge snapshot after bunch 1 at time = 14 ns*No energy cut: 1577199 macroparticles, $5.41822e+09 \text{ e-}$*  *$E_{\text{kin}} > 10 \text{ eV}$: 337366 macroparticles, 1749761024 e-*

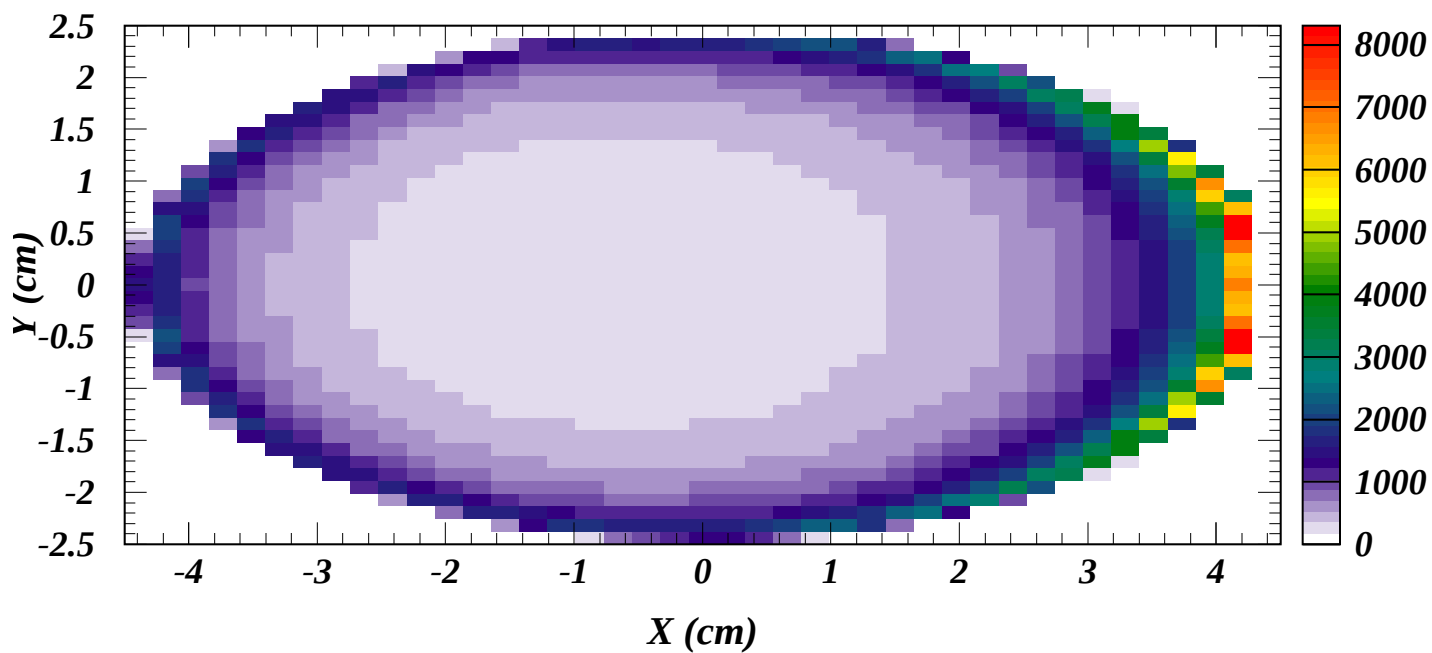
Cloud charge snapshot after bunch 2 at time = 14.432 ns*No energy cut: 422456 macroparticles, $3.40555e+09$ e-* *$E_{\text{kin}} > 10$ eV: 318223 macroparticles, $3.17536e+09$ e-*

ECLOUD-Electrons_8ma_PEpeak_40_eV: Time-Integrated Energies of Electrons Hitting

ECLOUD-Electrons_8ma_PEpeak_40_eV: Time-Integrated Energies of Electrons Hitting

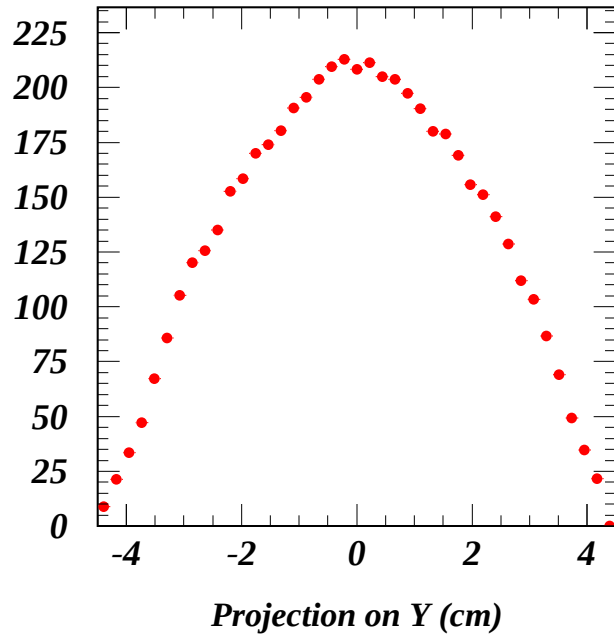
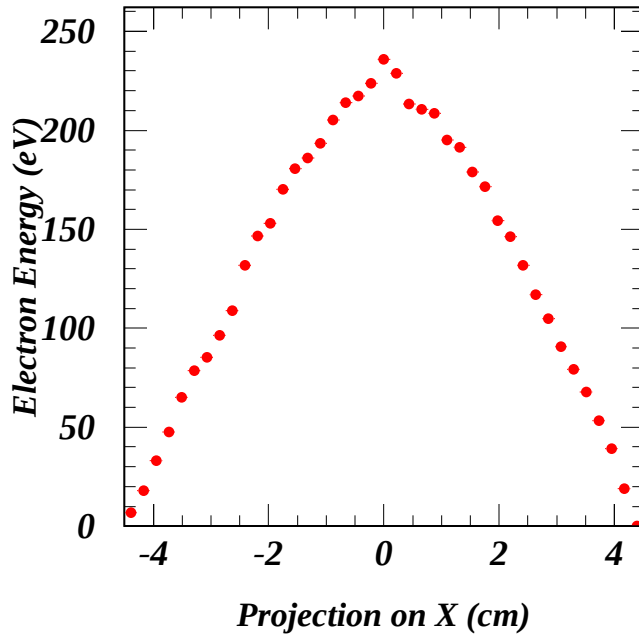
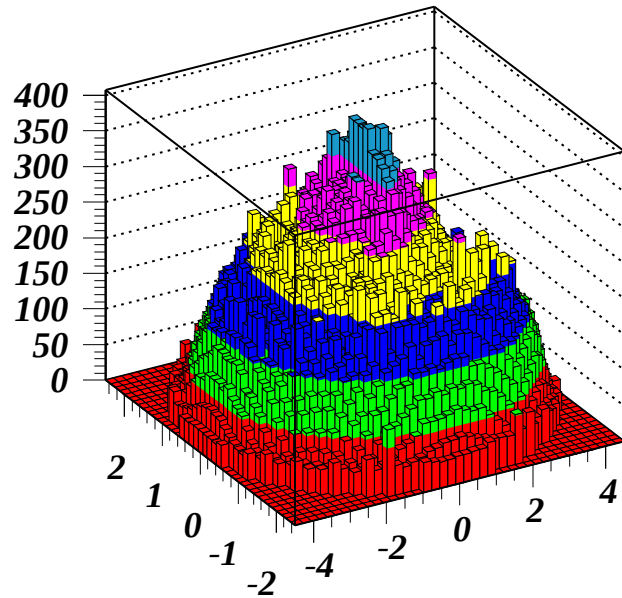
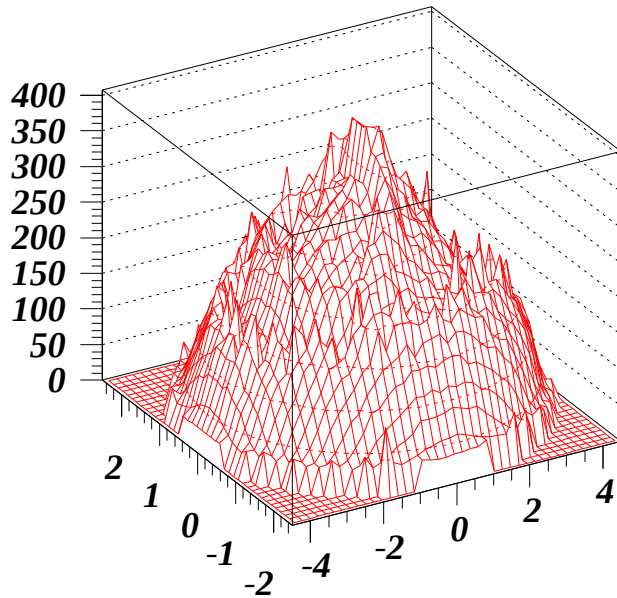
ECLOUD-Electrons_8ma_PEpeak_40_eV: Cloud Density (e/m^3) Averaged Over 28 ns

10/07/15 17.55
*E*CLOUD-Electrons_8ma_PEpeak_40_eV: Cloud Density (e/m^3) Averaged Over 28 ns



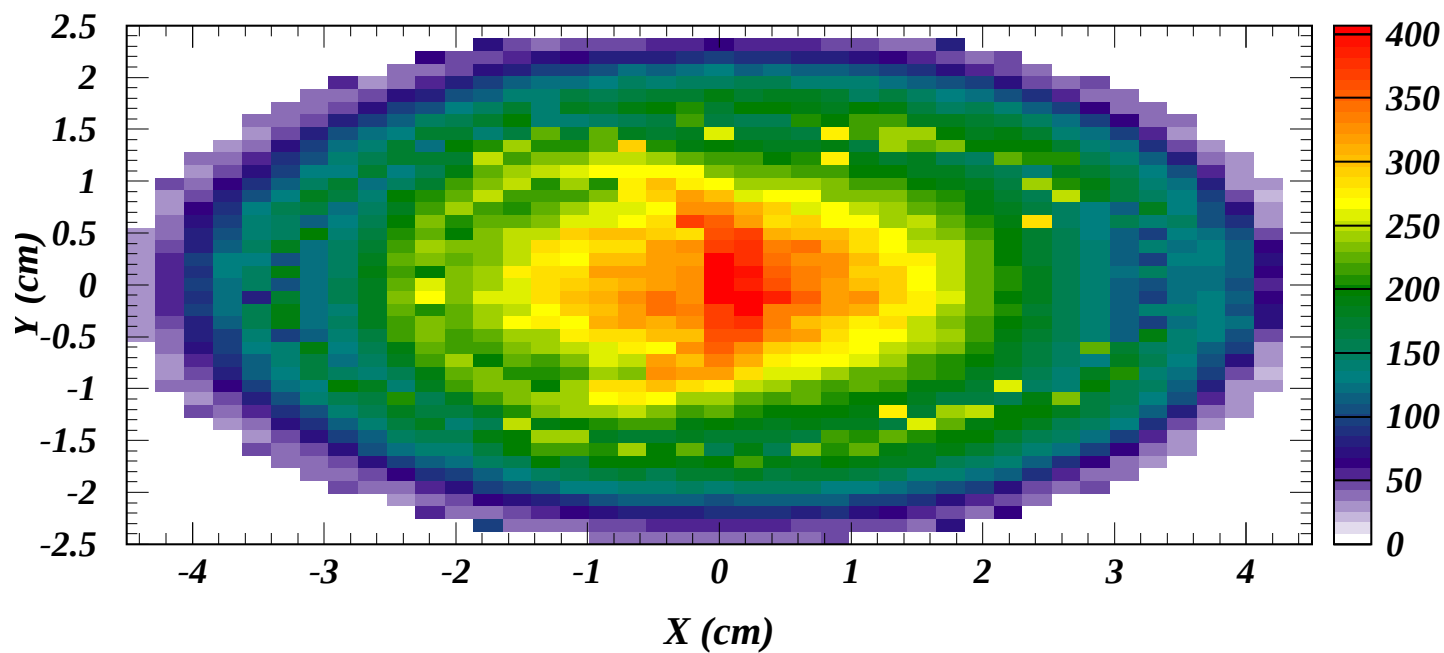
10/07/15 17.55

ECLOUD-Electrons_8ma_PEpeak_40_eV: Electron Energies (eV) Averaged Over 28 ns

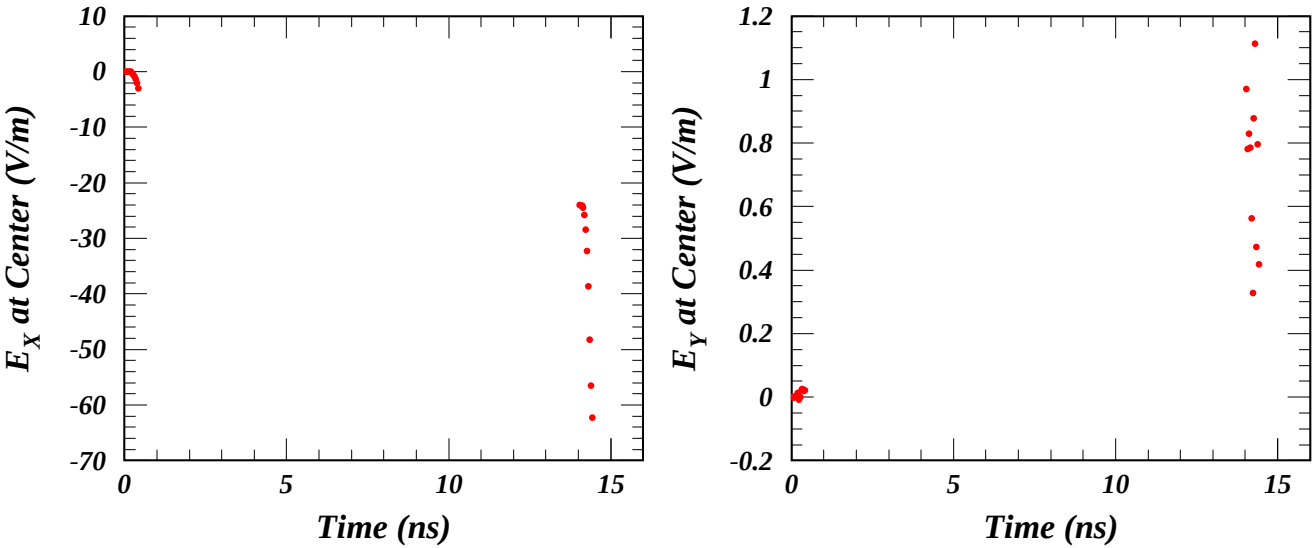


10/07/15 17.55

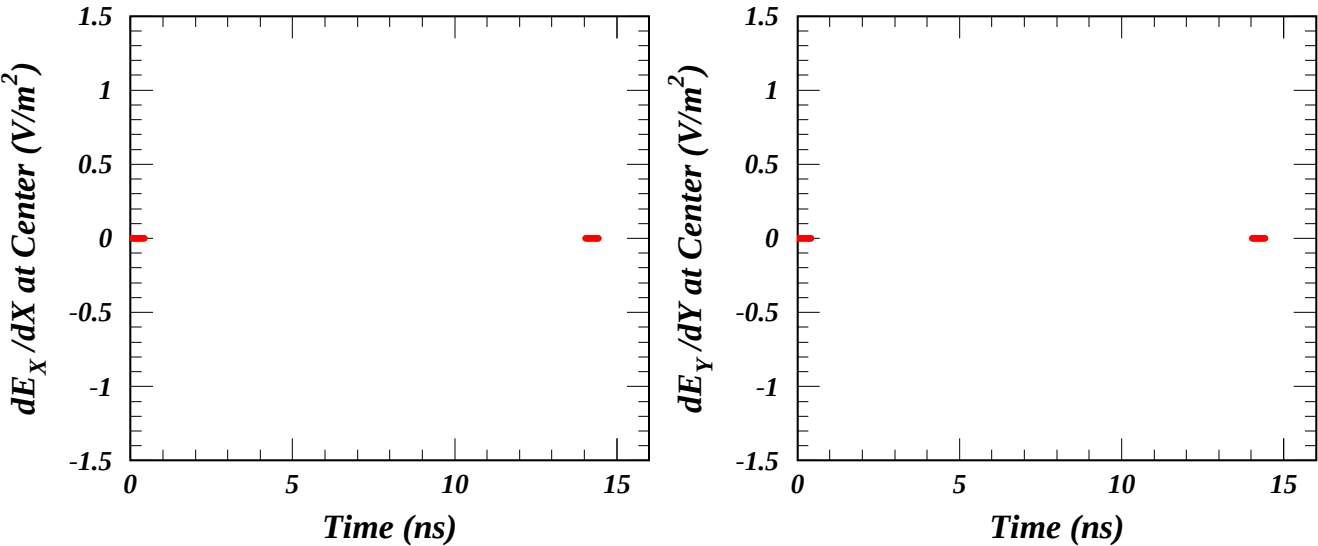
ECLOUD-Electrons_8ma_PEpeak_40_eV: Electron Energies (eV) Averaged Over 28 ns



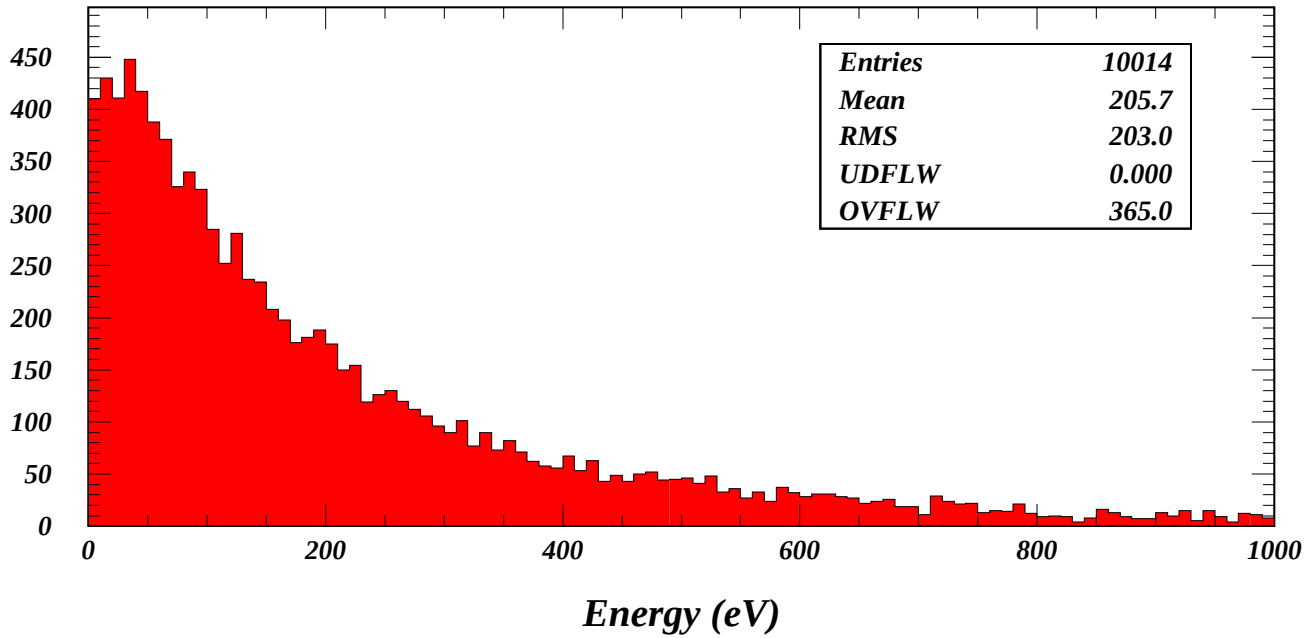
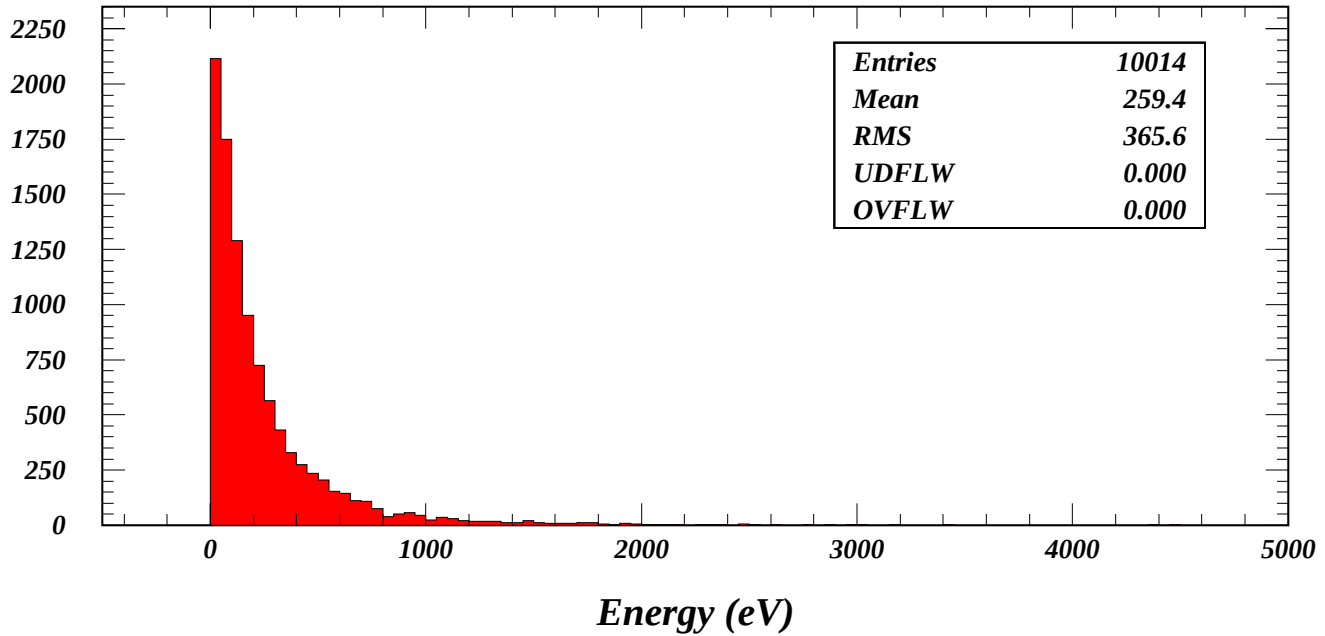
ECLOUD-Electrons_8ma_PEpeak_40_eV: Electric Field at Beam



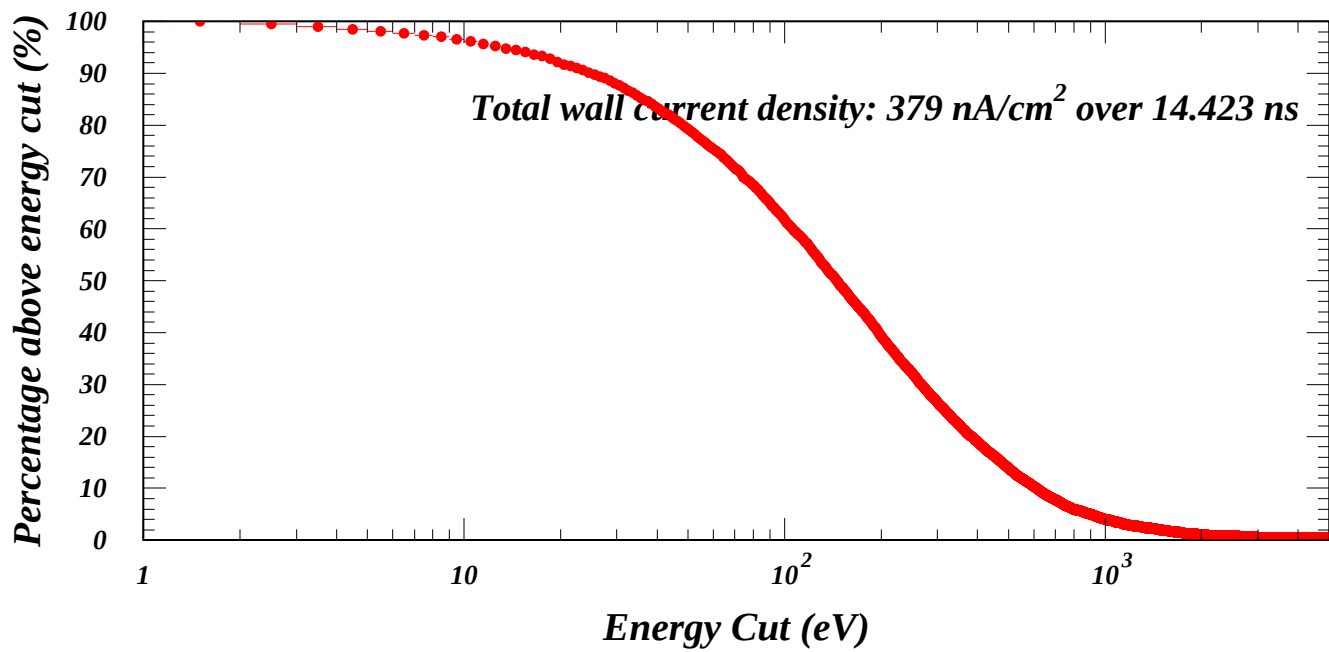
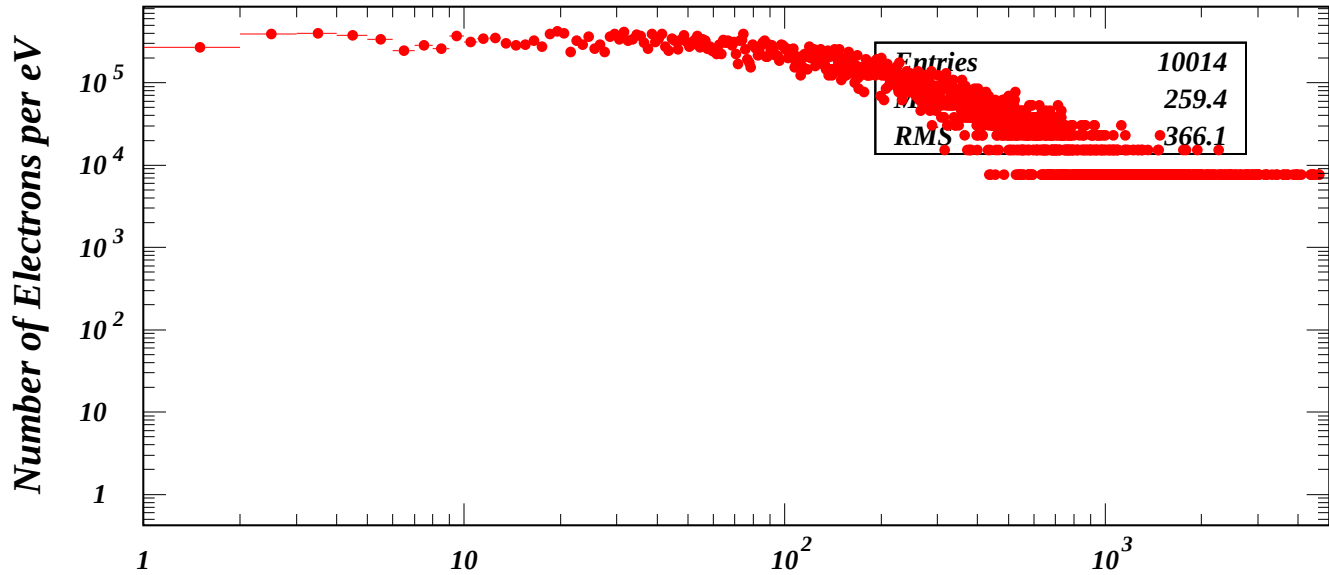
***ECLOUD-Electrons_8ma_PEpeak_40_eV**Electric Field Gradients at Beam*



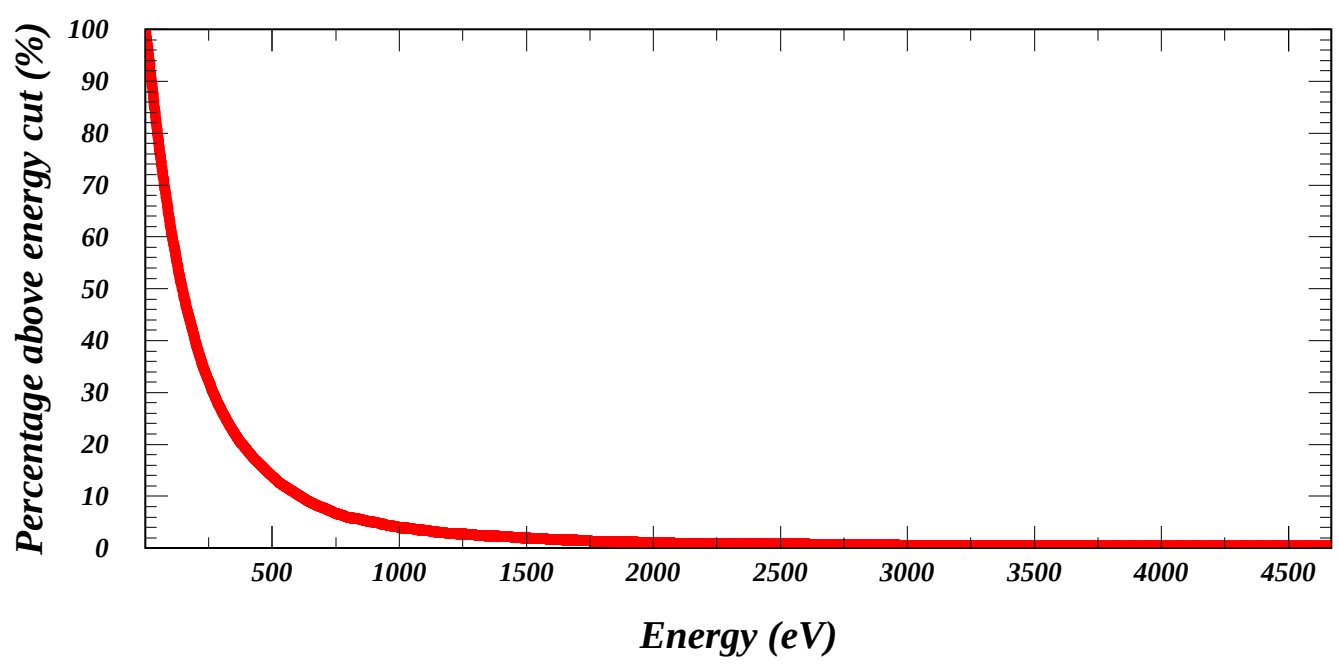
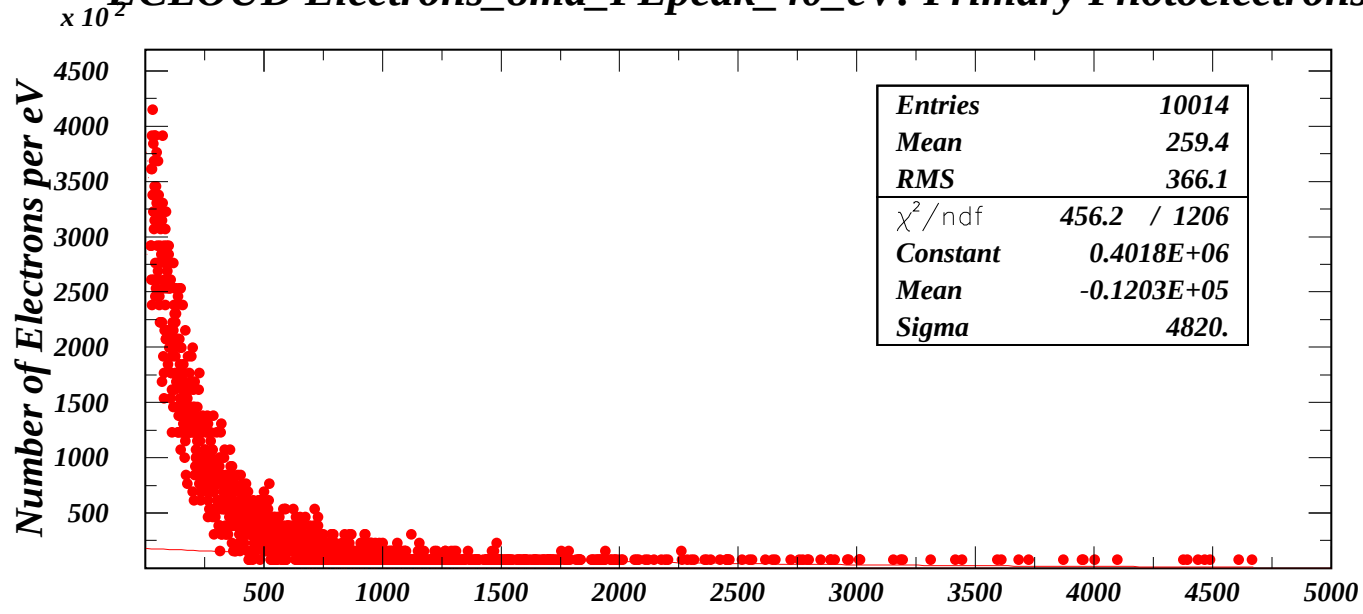
ECLOUD Electrons_8ma_PEpeak_40_eV: Primary Photoelectrons



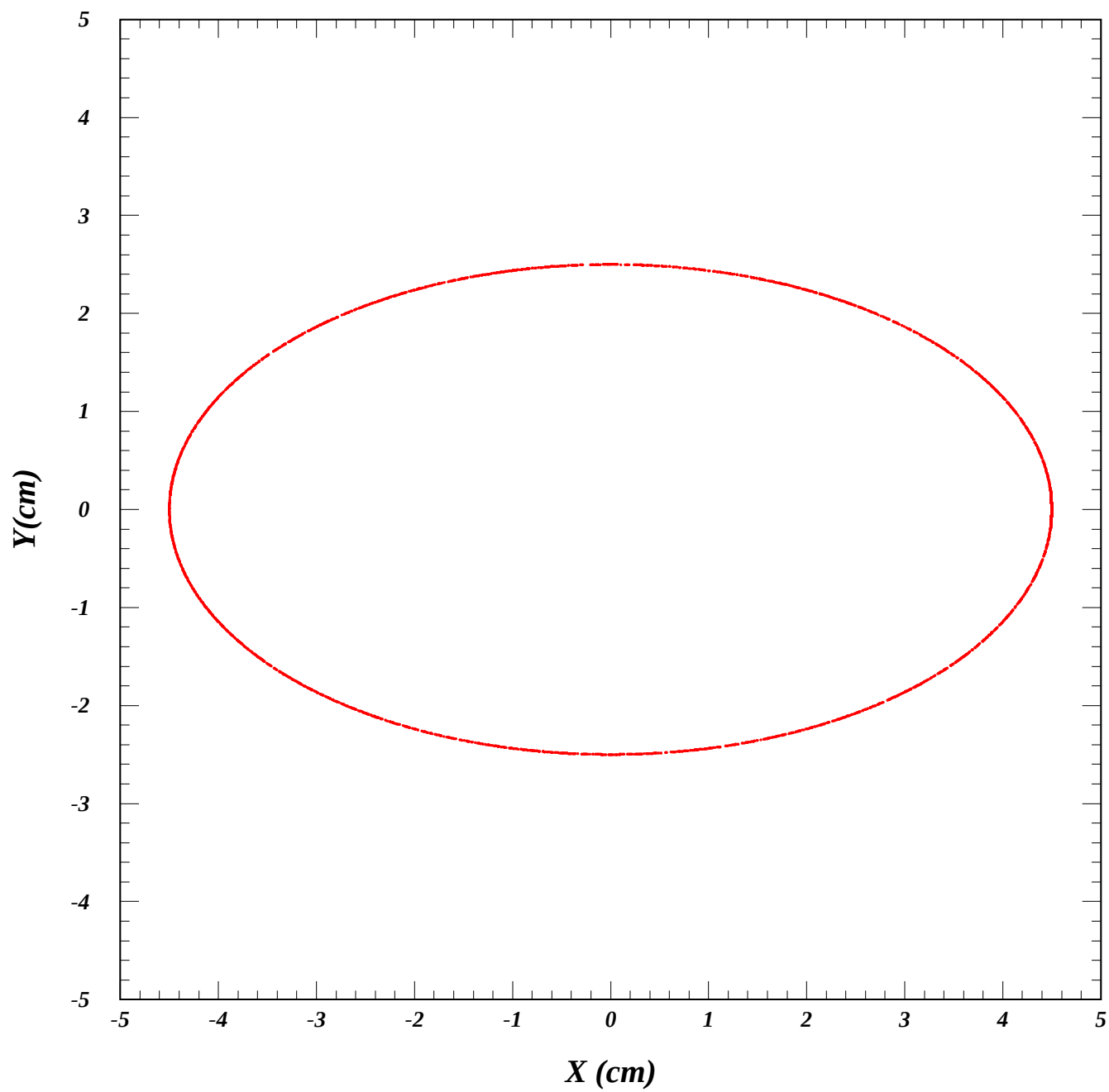
ECLOUD Electrons_8ma_PEpeak_40_eV: Primary Photoelectrons



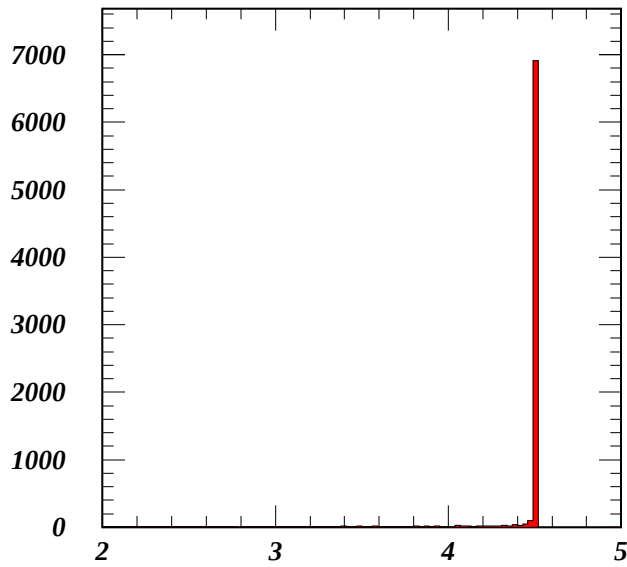
ECLOUD Electrons_8ma_PEpeak_40_eV: Primary Photoelectrons



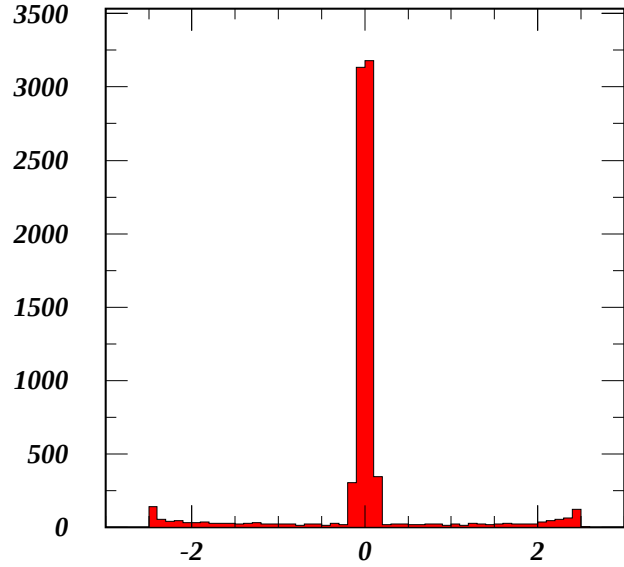
ECLOUD Electrons_8ma_Peak_40_eV: Primary Photoelectrons



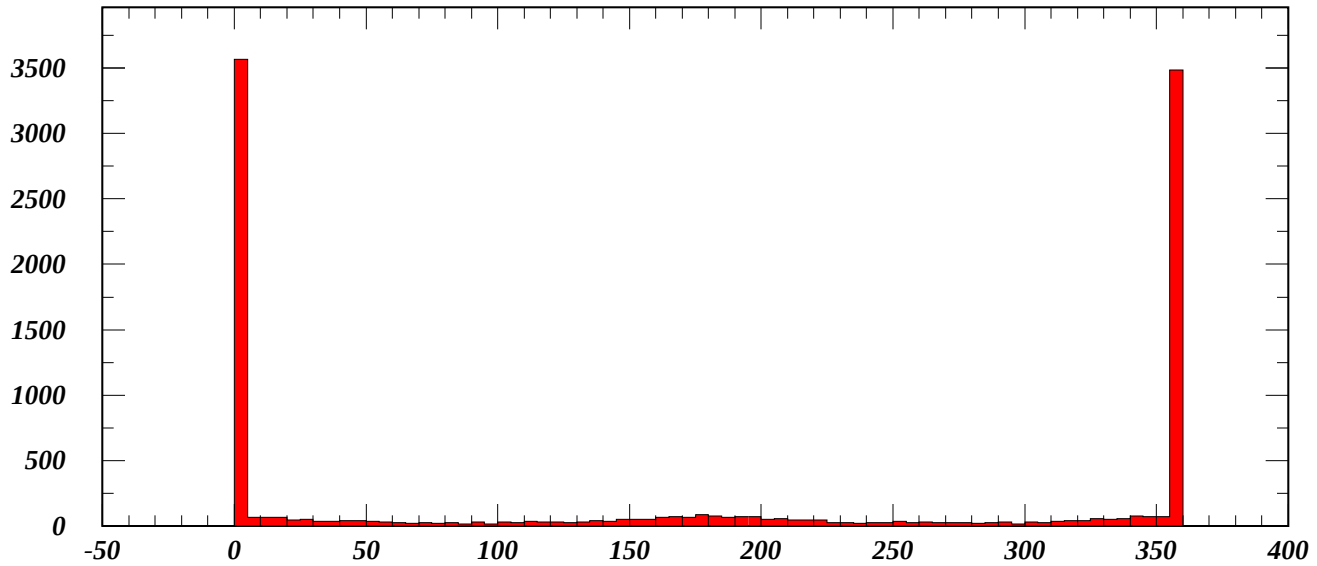
ECLOUD Electrons_8ma_PEpeak_40_eV: Primary Photoelectrons



X (cm)



Y (cm) for X>0



ϕ (degrees)