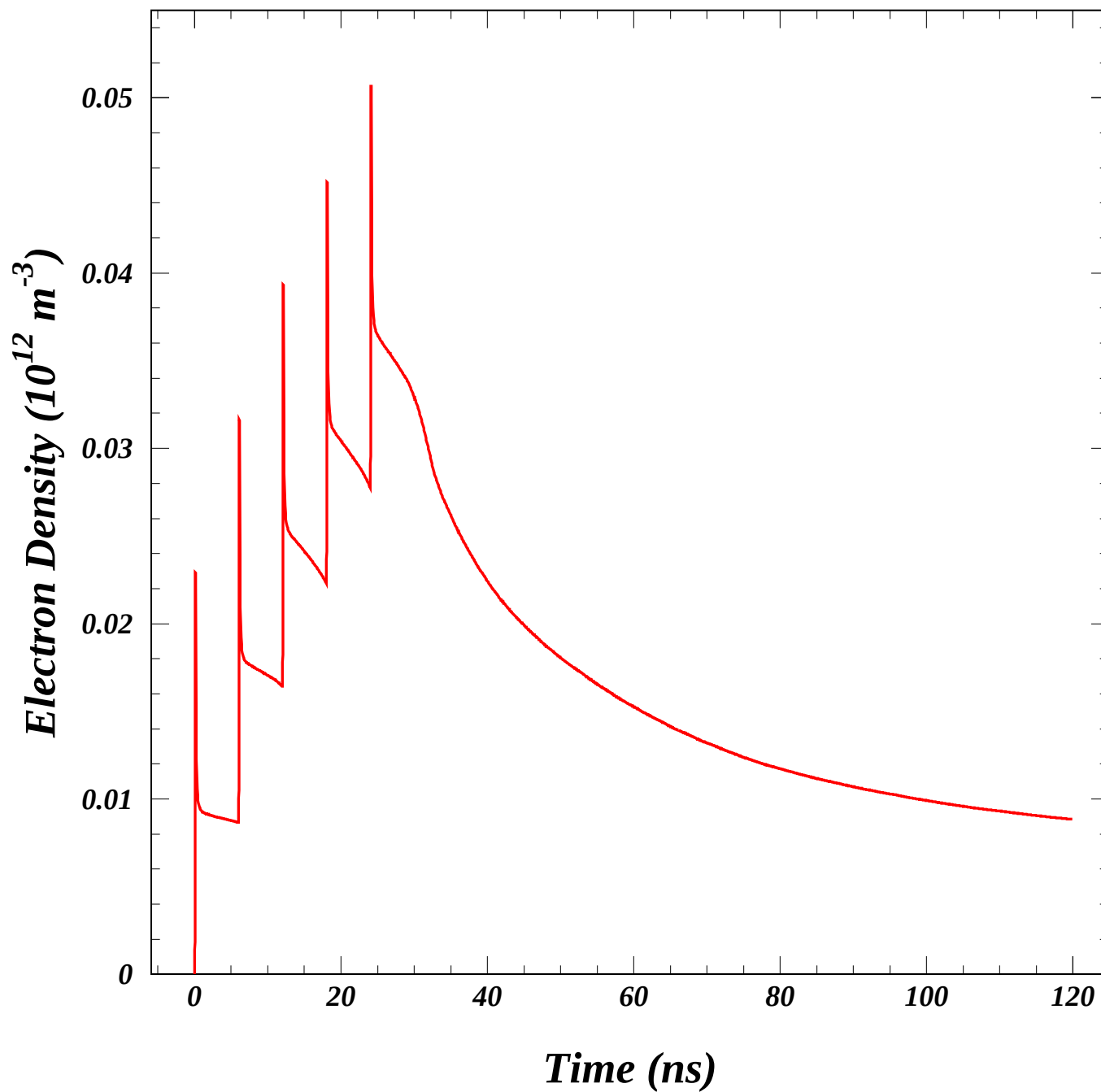
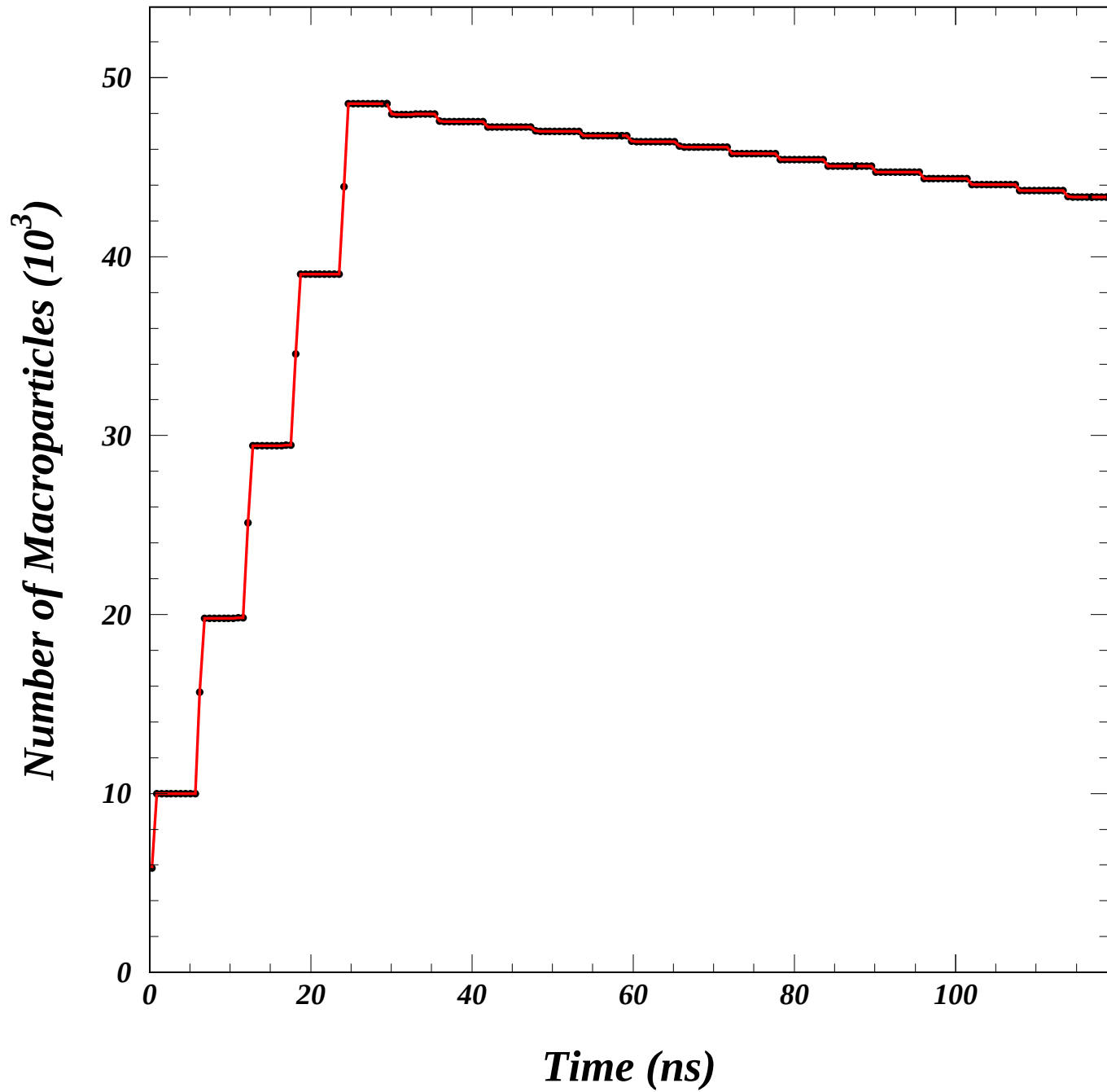
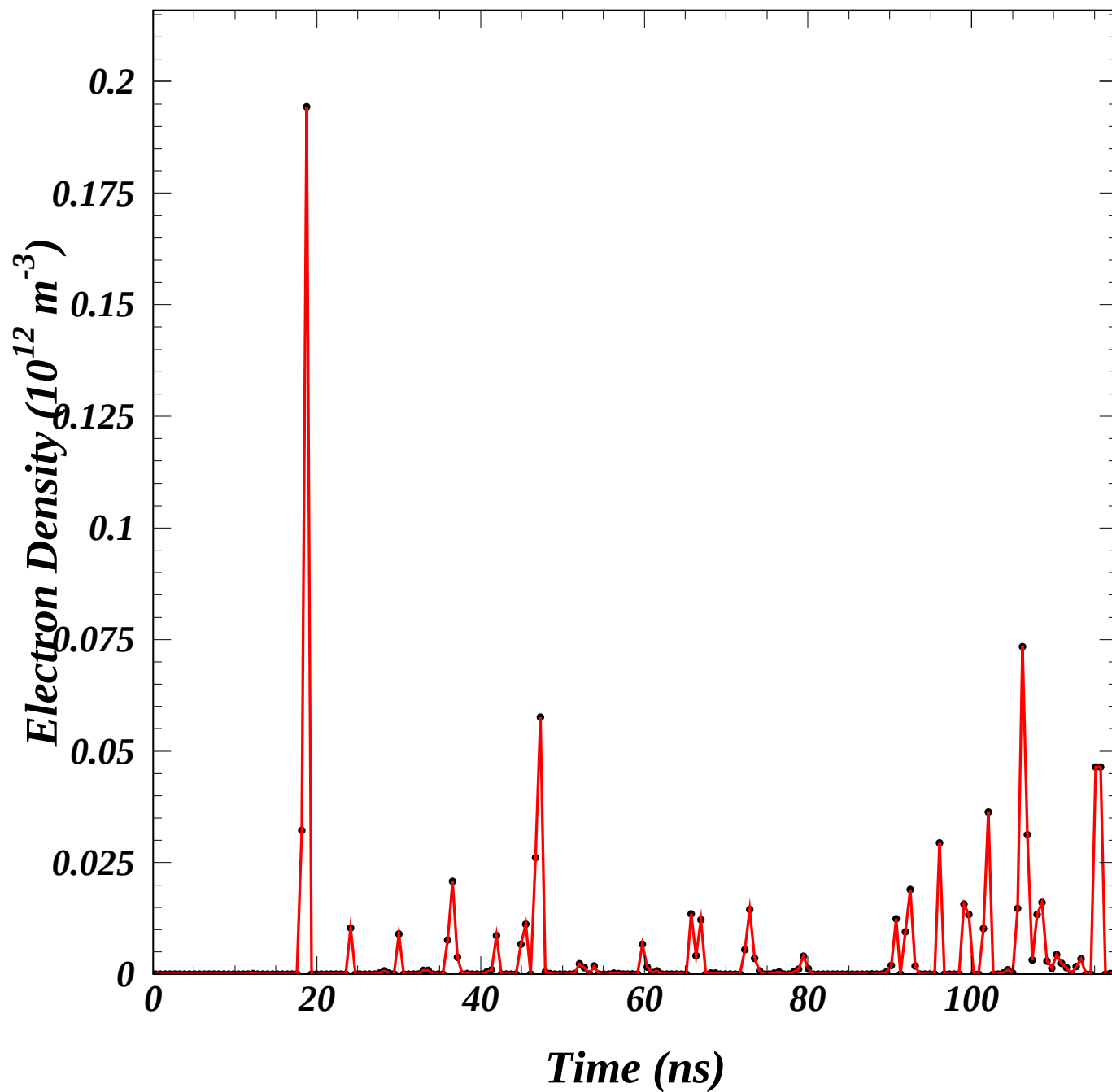


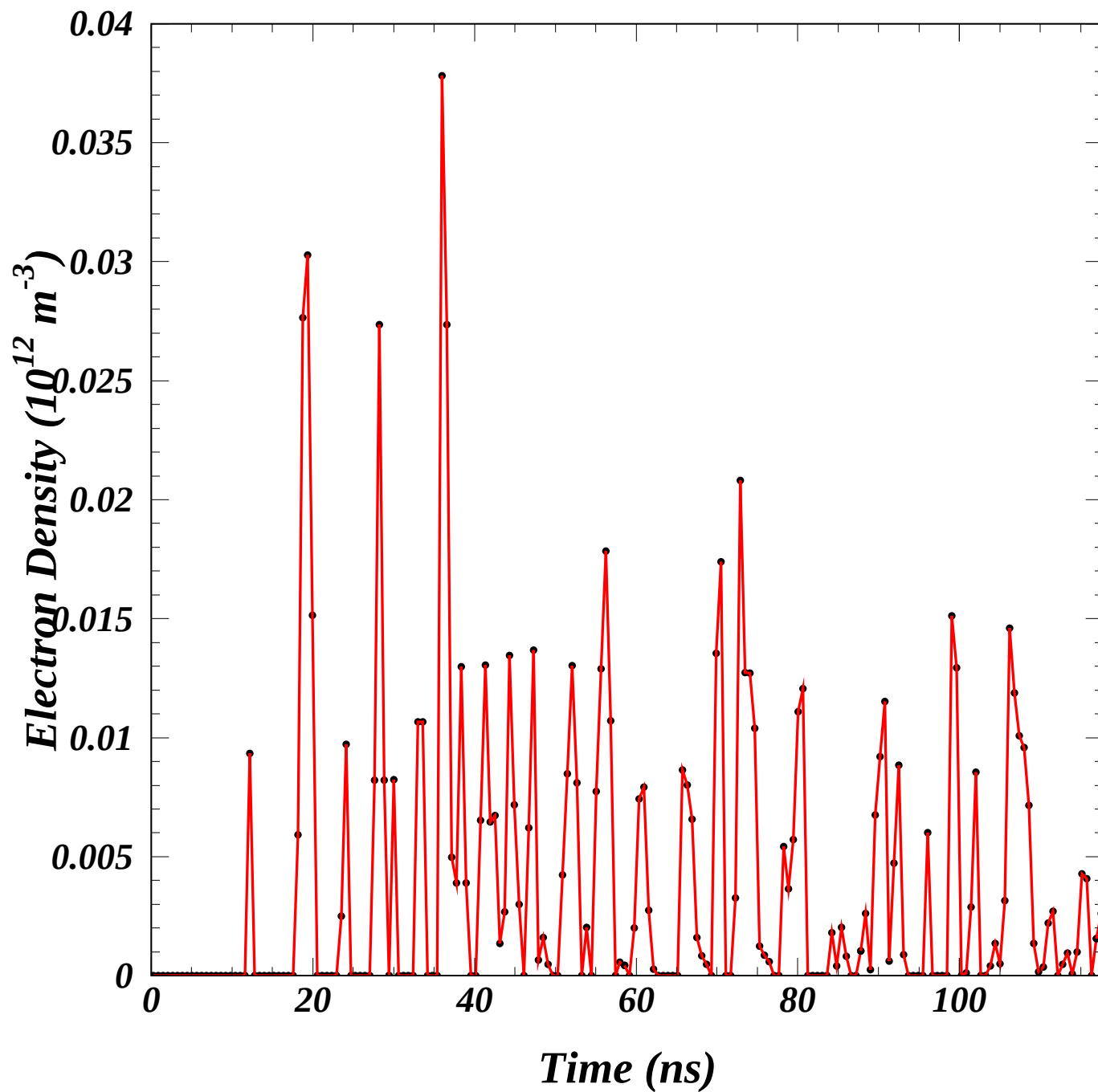
Beampipe-averaged Cloud Density (10^{12} m^{-3}) 10/03/17 10.08



Macroparticle Statistics

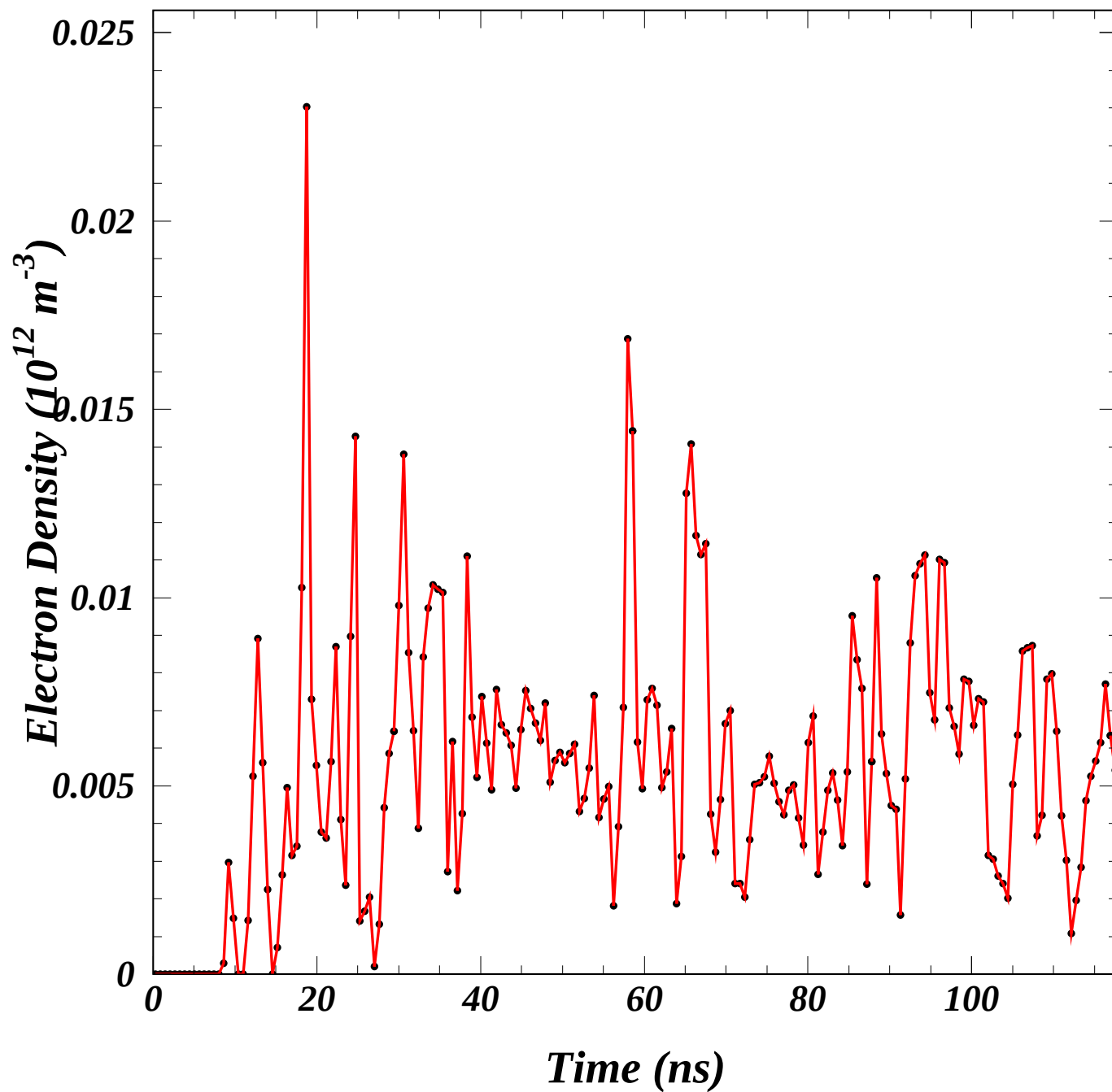


Beam-averaged Cloud Density (10^{12} m^{-3})

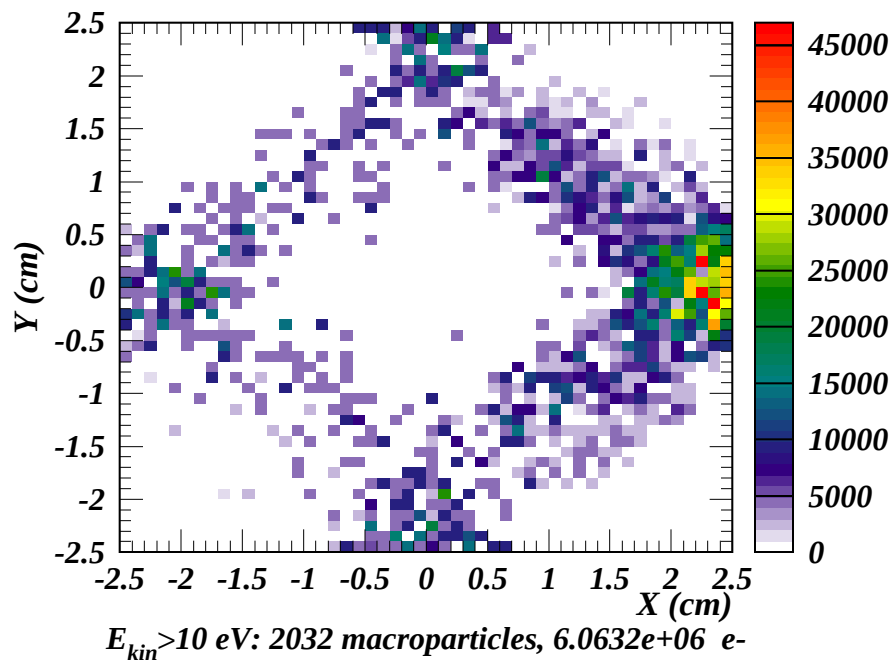
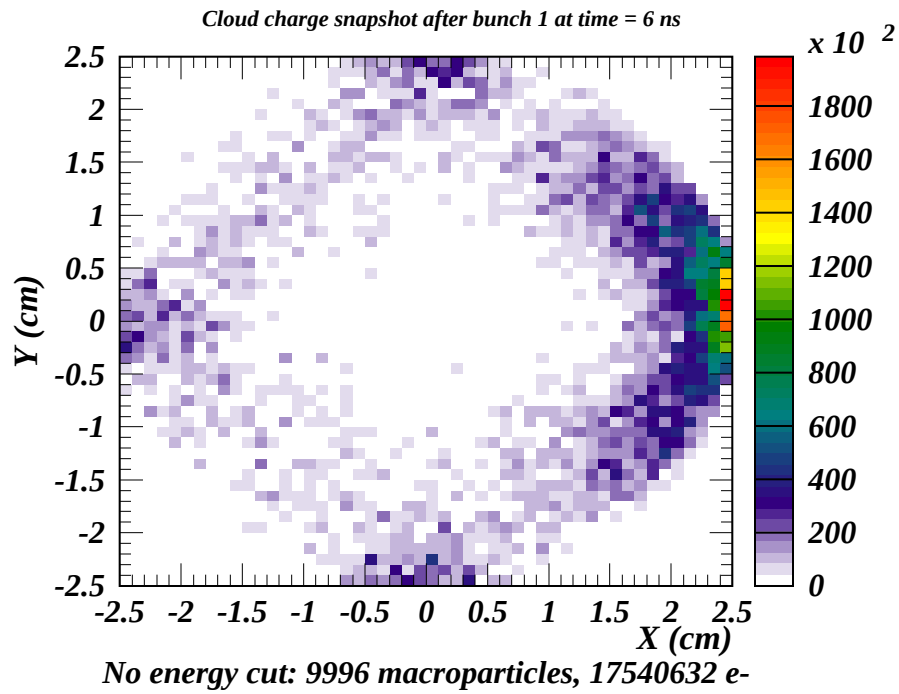
5-Sigma Cloud Density at Center of Pipe (10^{12} m^{-3})

10/03/17 10.08

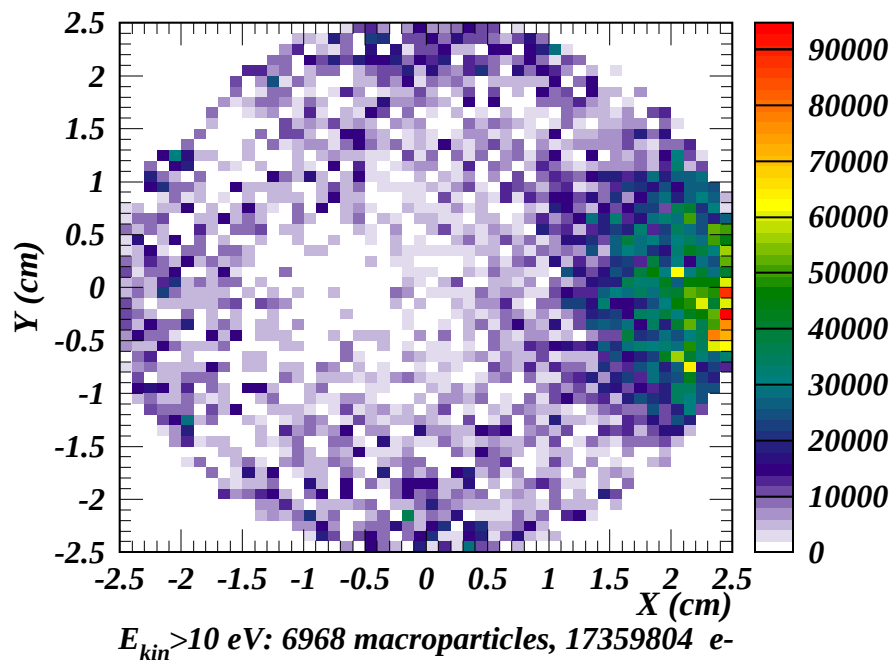
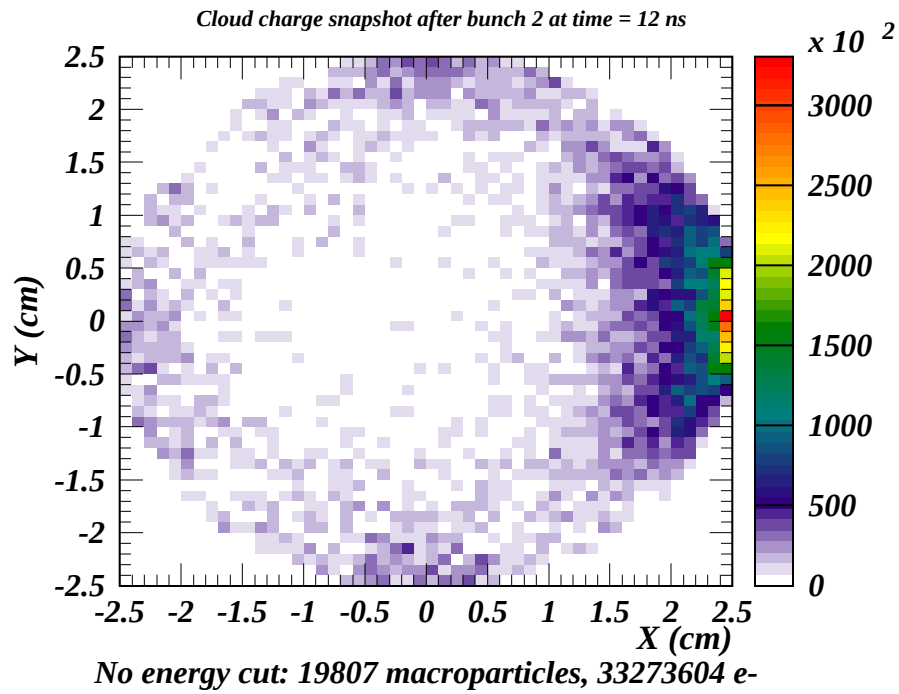
ECLOUD-DR20100308_5b_64_qua: Cloud Density in Central Grid Cell (10^{12} m^{-3})



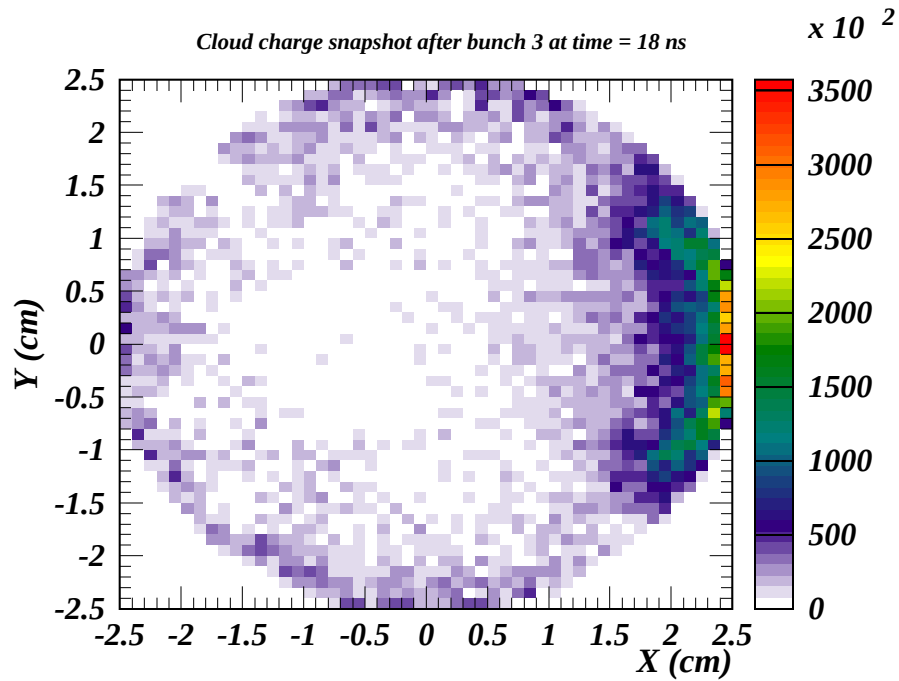
10/03/17 10.08



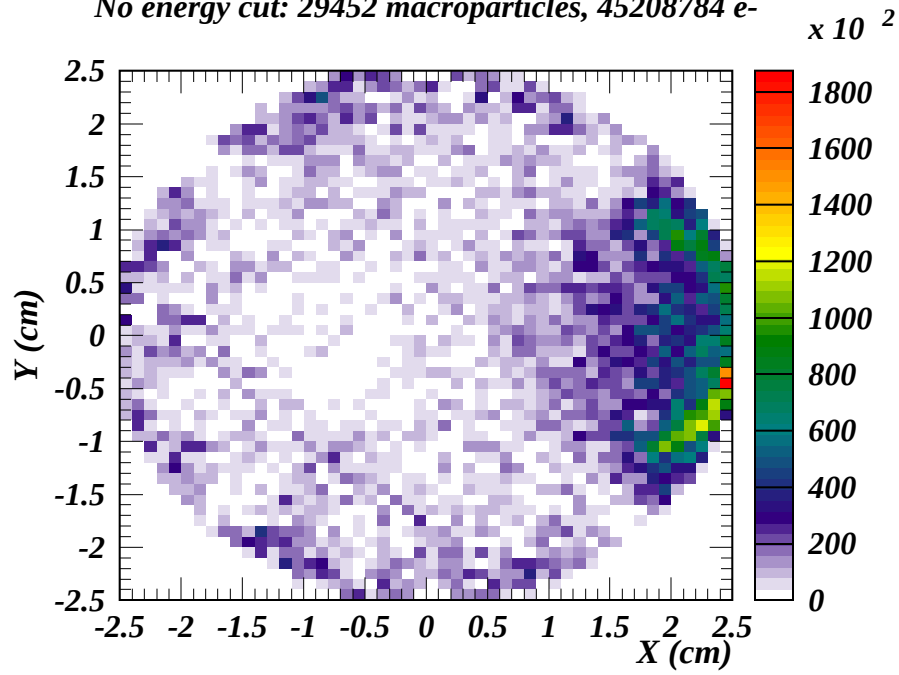
10/03/17 10.08



10/03/17 10.08



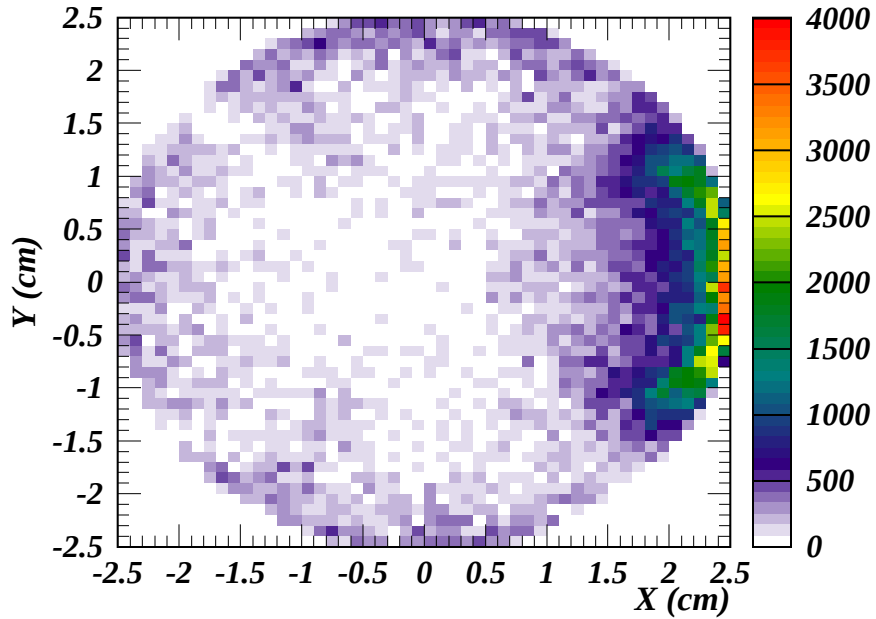
No energy cut: 29452 macroparticles, 45208784 e-



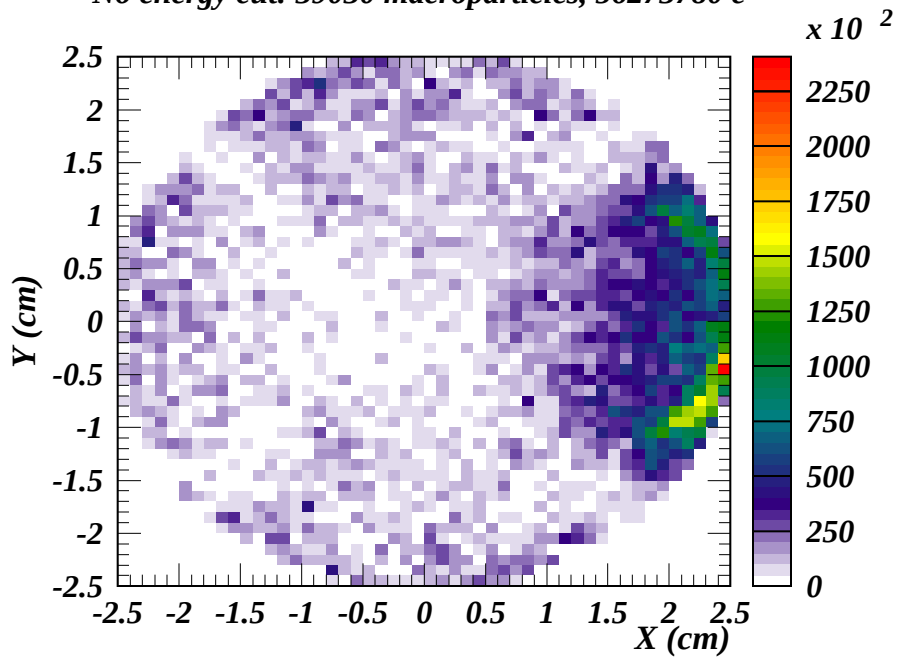
$E_{kin} > 10$ eV: 12466 macroparticles, 25941454 e-

10/03/17 10.08
 $\times 10^{-2}$

Cloud charge snapshot after bunch 4 at time = 24 ns

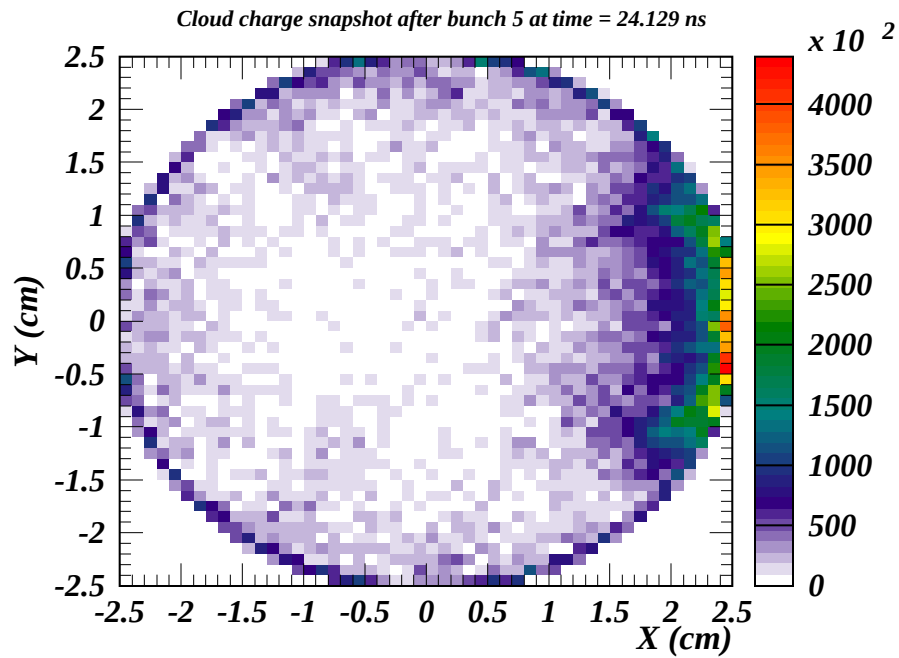


No energy cut: 39030 macroparticles, 56273780 e-

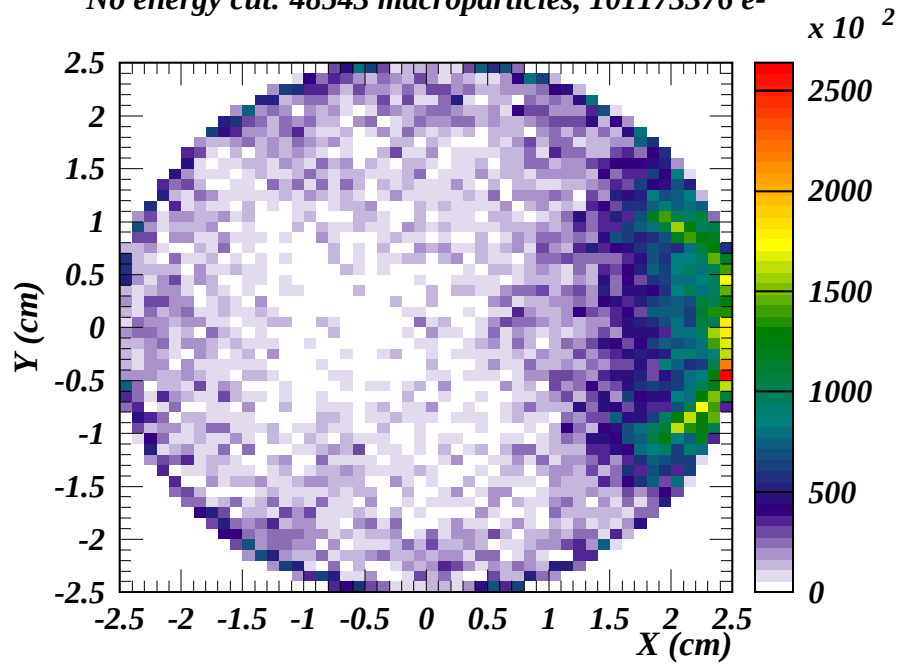


$E_{kin} > 10$ eV: 18194 macroparticles, 33851812 e-

10/03/17 10.08



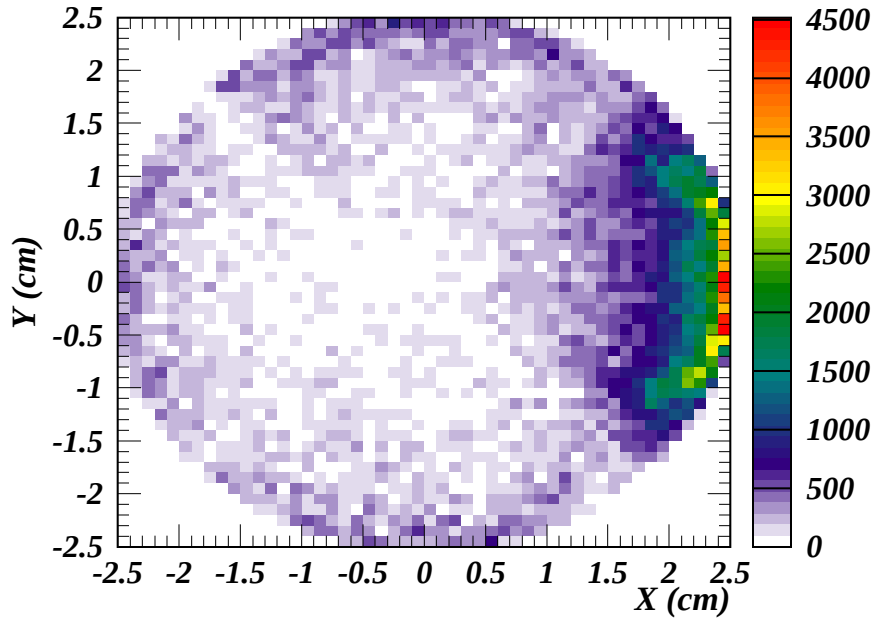
No energy cut: 48543 macroparticles, 101173376 e-



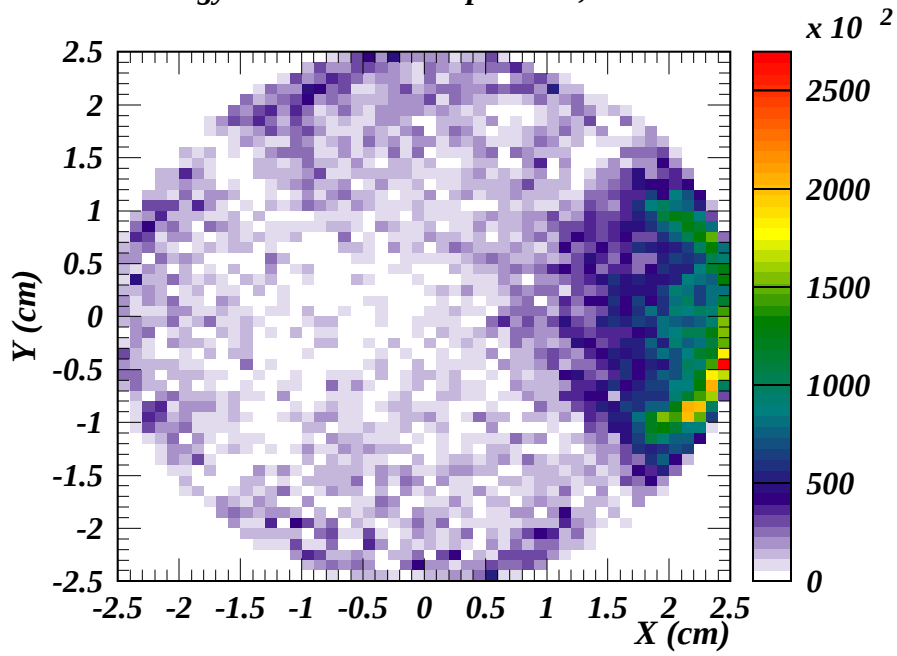
$E_{kin} > 10$ eV: 31079 macroparticles, 65471344 e-

10/03/17 10.08
 $\times 10^{-2}$

Cloud charge snapshot after bunch 5 at time = 30 ns

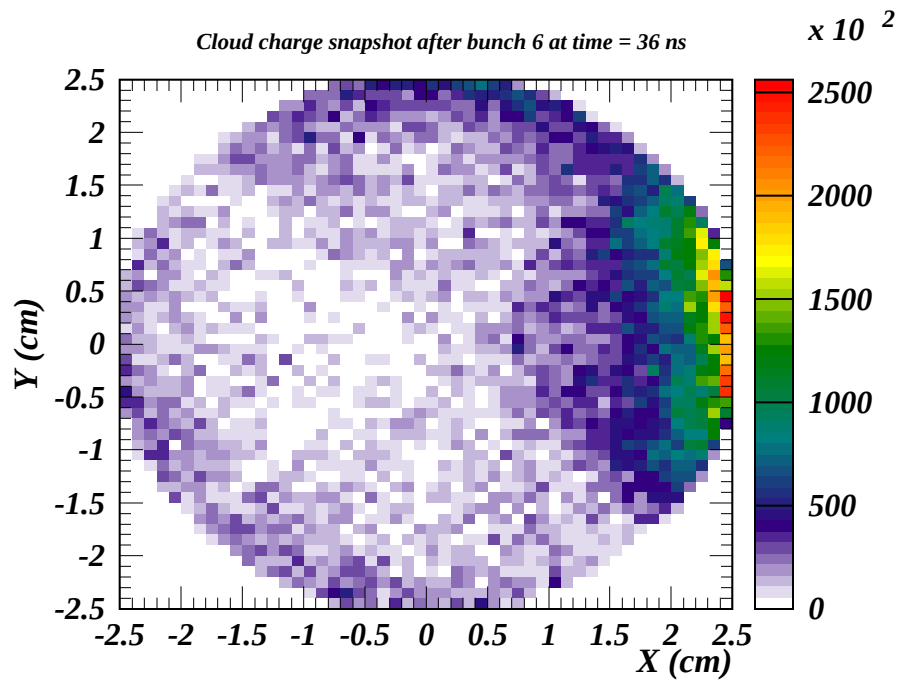


No energy cut: 48561 macroparticles, 66768256 e-

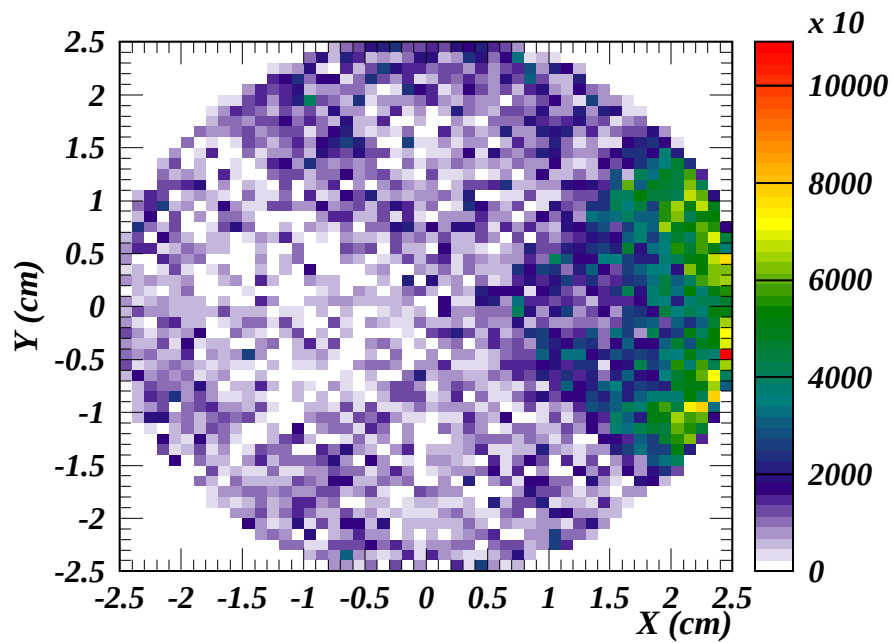


$E_{kin} > 10$ eV: 25178 macroparticles, 43183012 e-

10/03/17 10.08



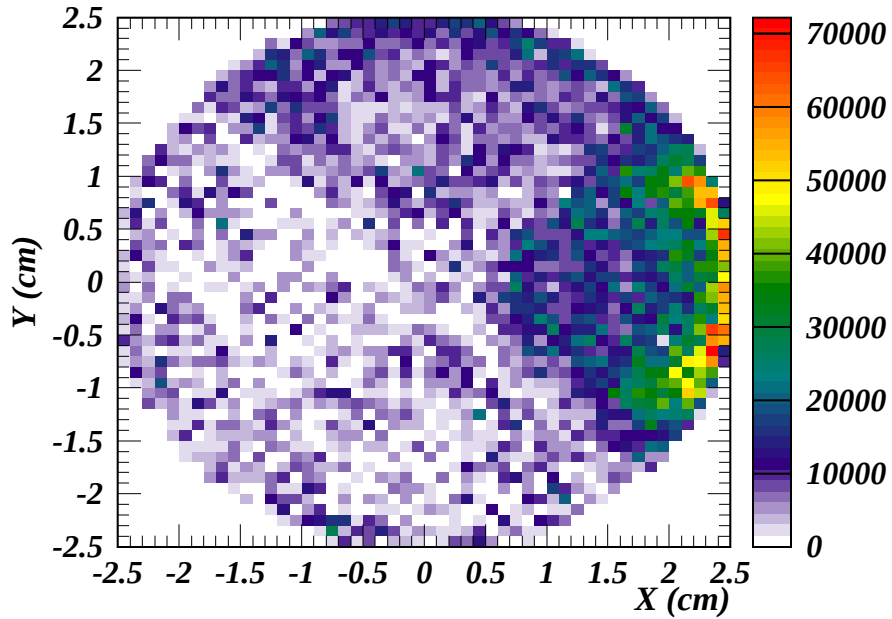
No energy cut: 47964 macroparticles, 51279480 e-



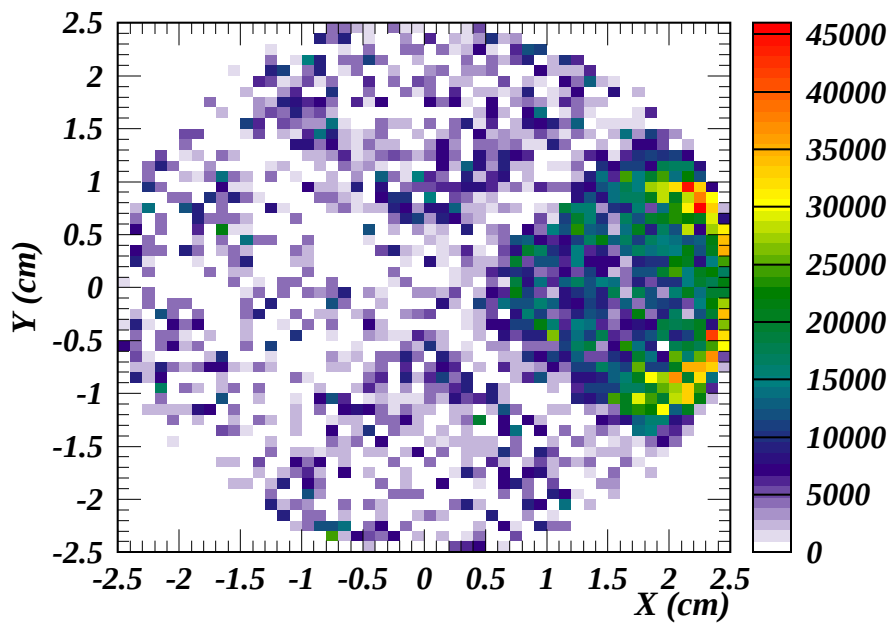
$E_{kin} > 10$ eV: 16988 macroparticles, 26068614 e-

10/03/17 10.08

Cloud charge snapshot after bunch 21 at time = 120 ns



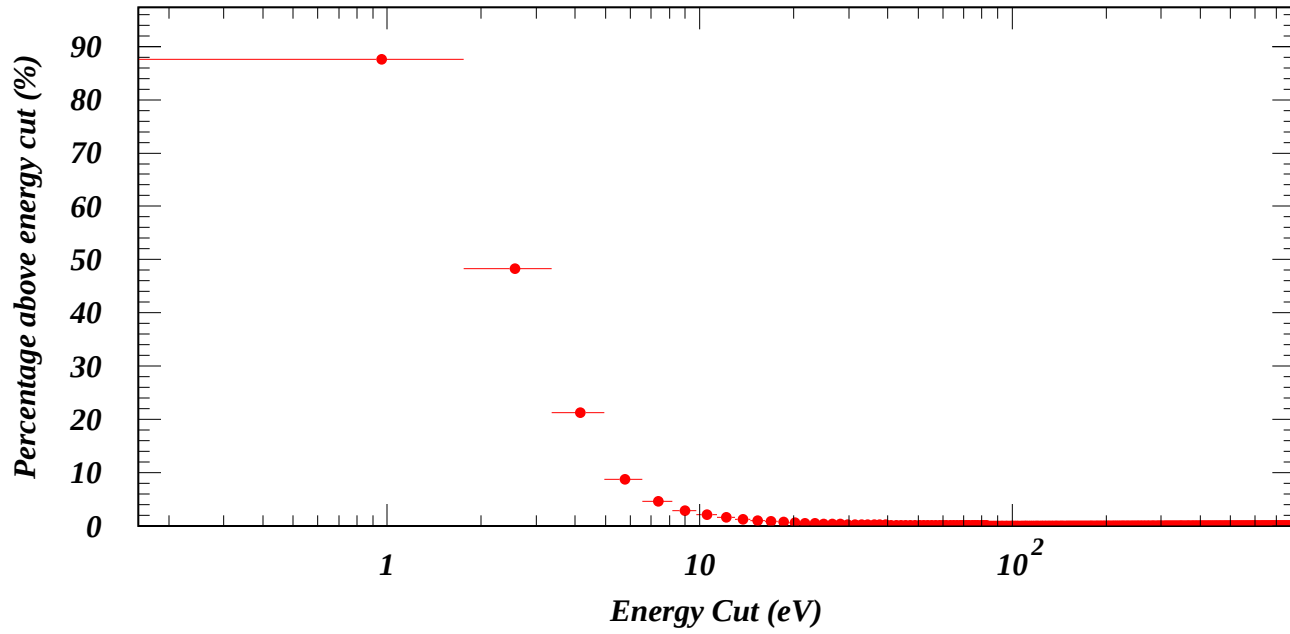
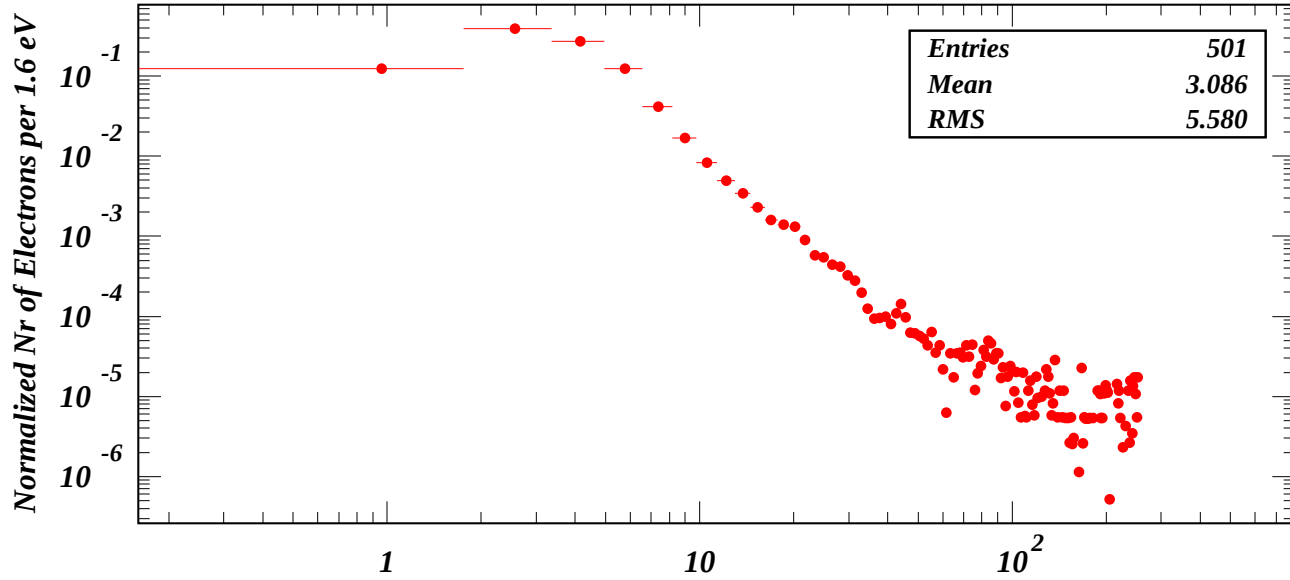
No energy cut: 43000 macroparticles, 17902768 e-

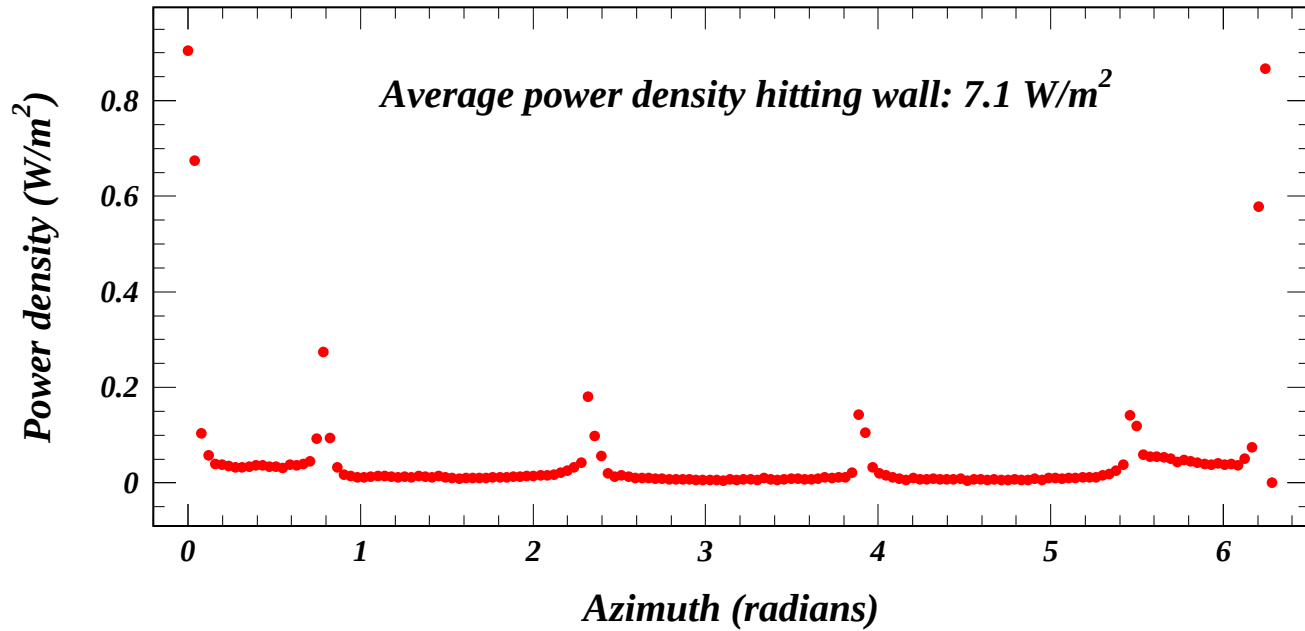
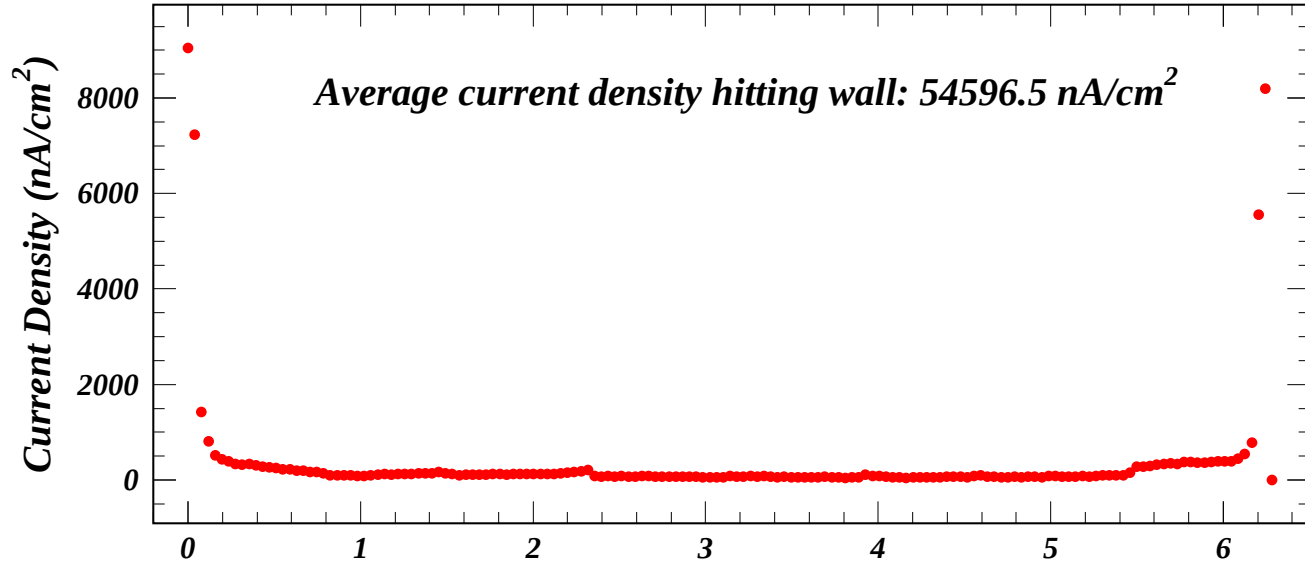


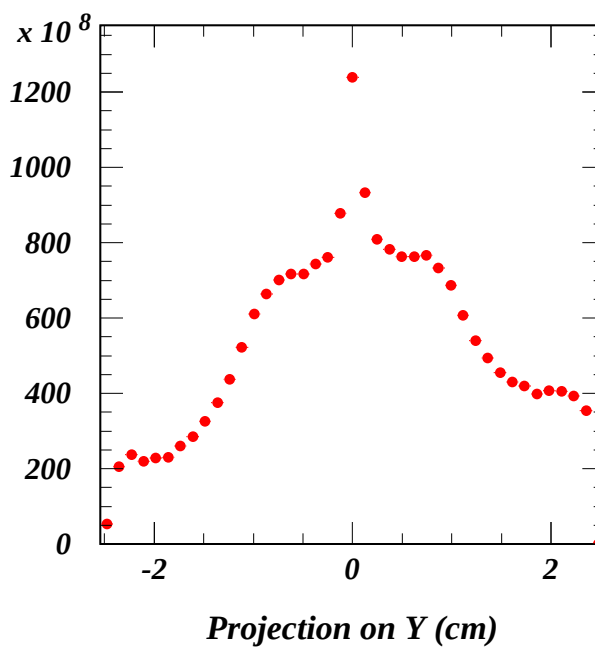
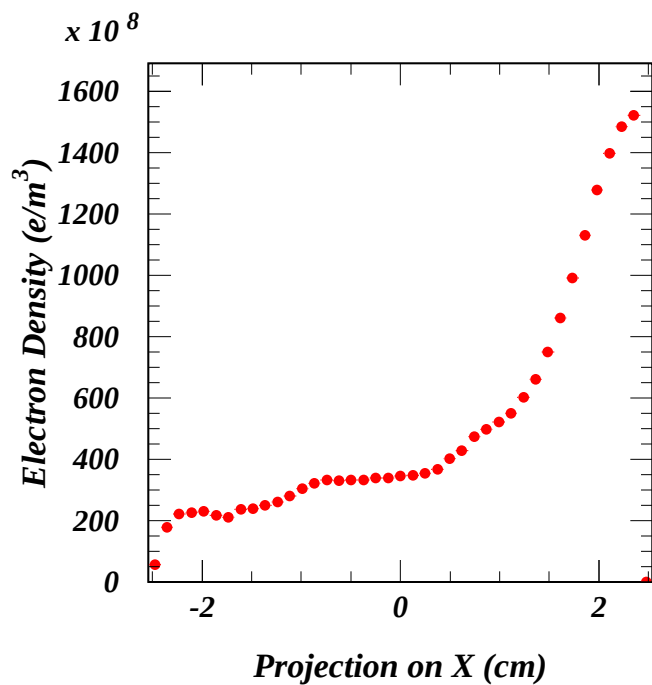
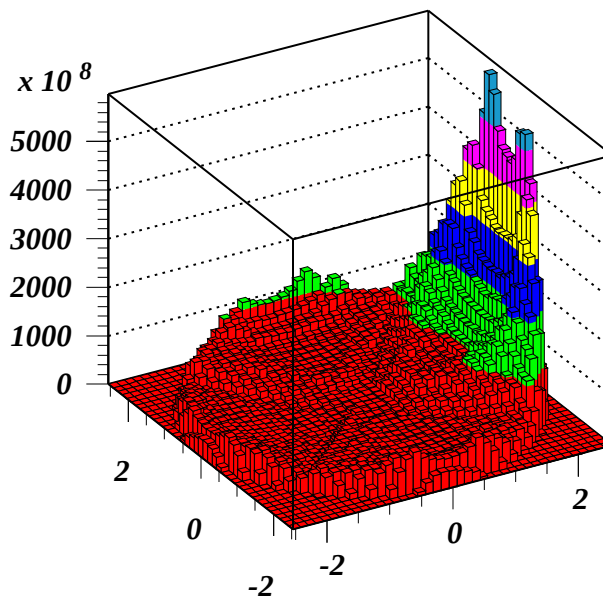
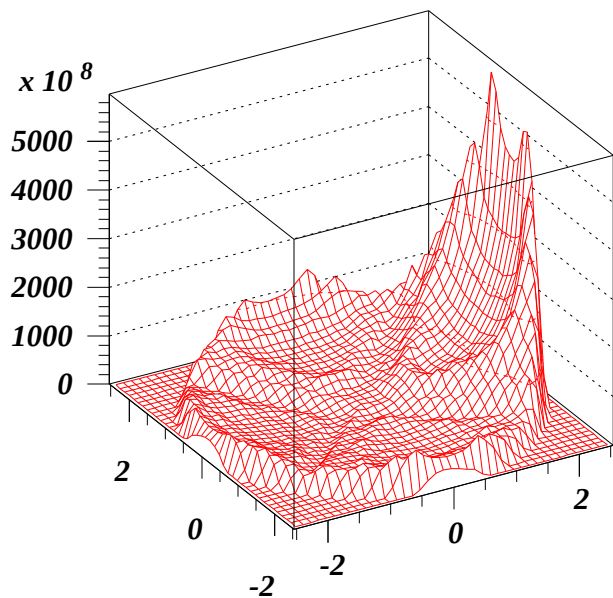
$E_{kin} > 10$ eV: 5312 macroparticles, 9781638 e-

10/03/17 10.08

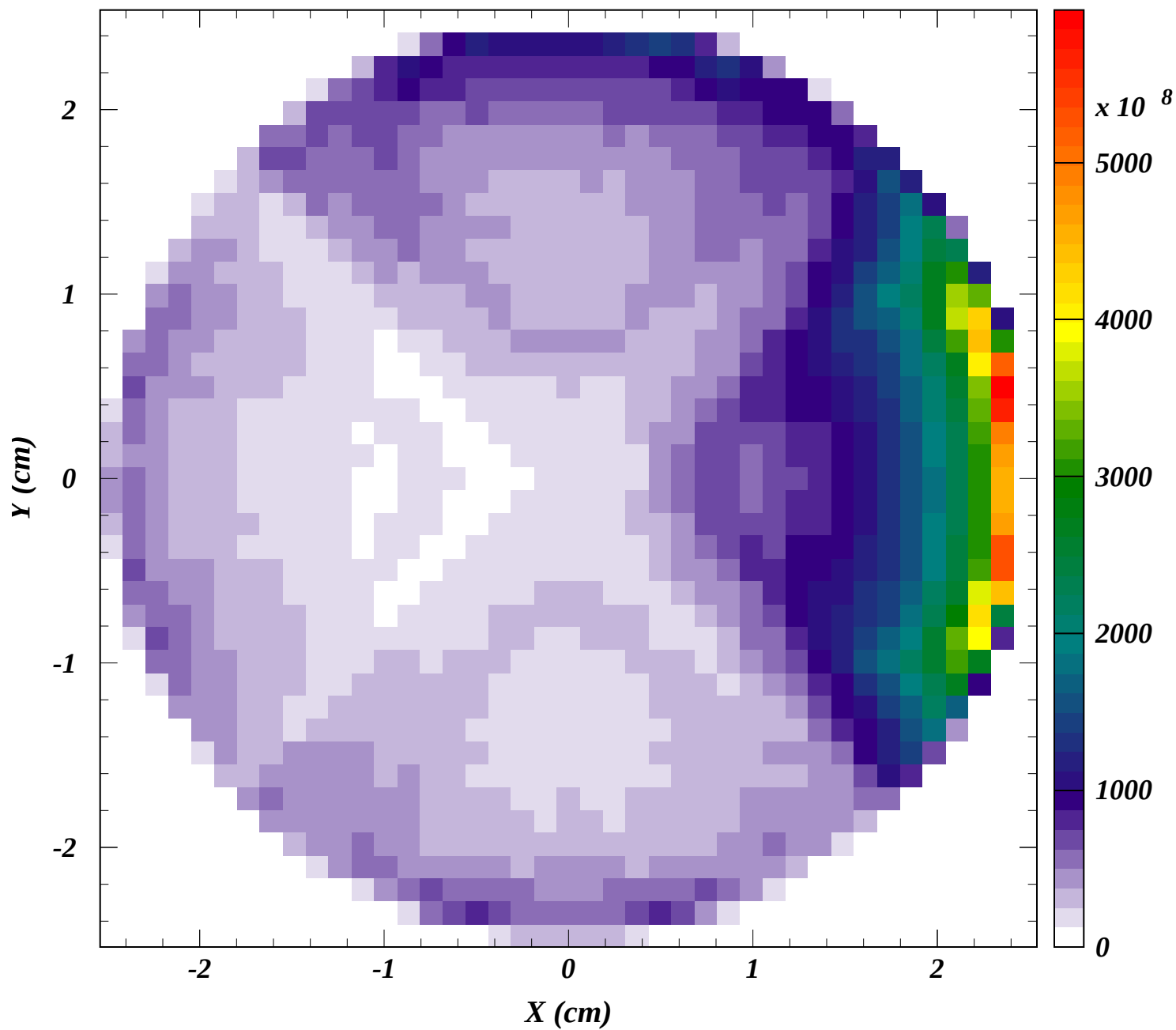
ECLOUD-DR20100308_5b_64_qua: Time-Integrated Energies of Electrons Hitting Wal

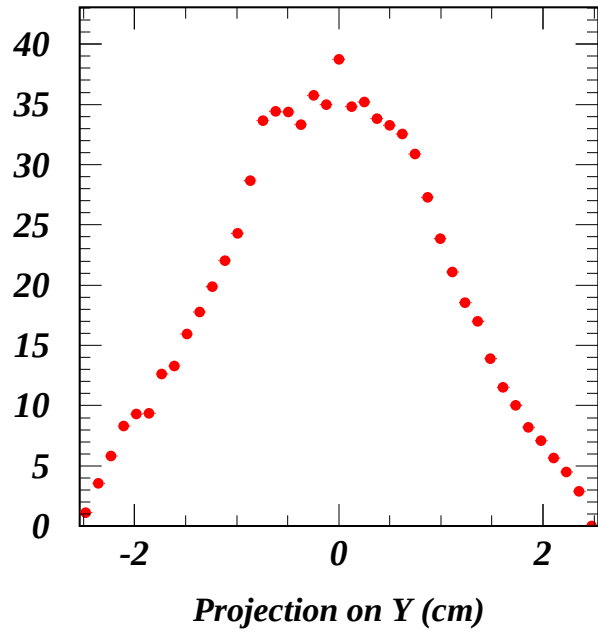
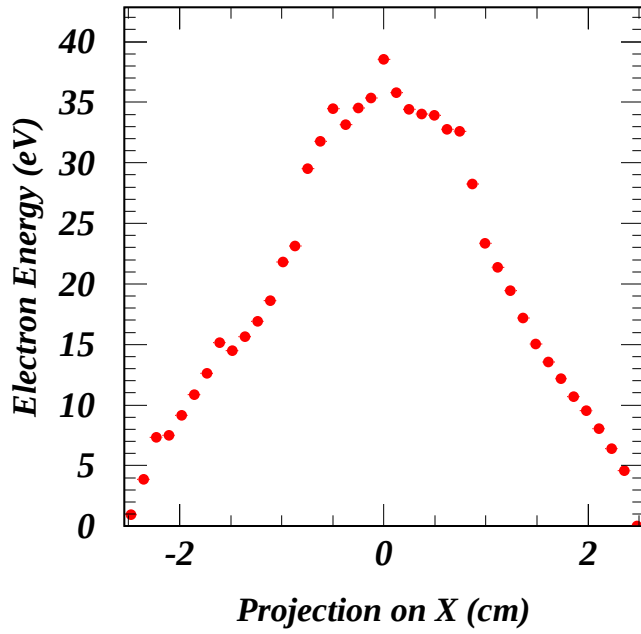
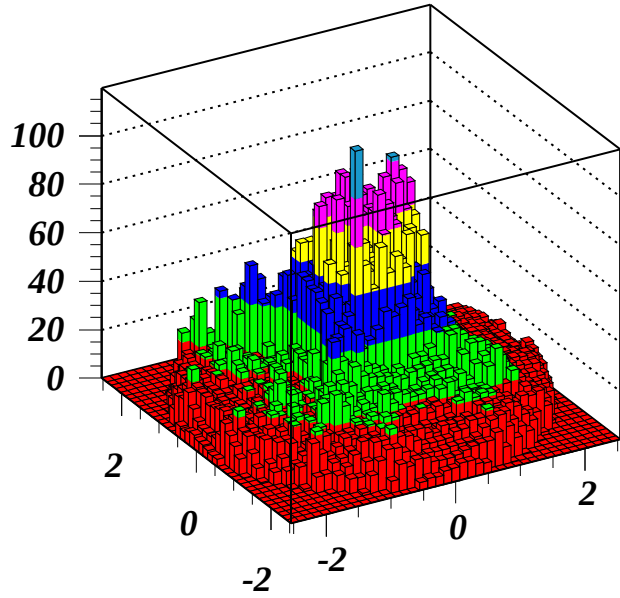
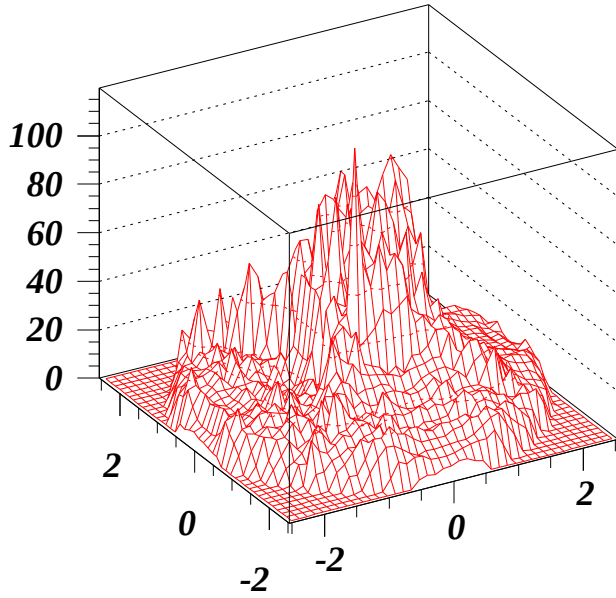


ECLOUD-DR20100308_5b_64_qua: Time-Integrated Energies of Electrons Hitting Wal

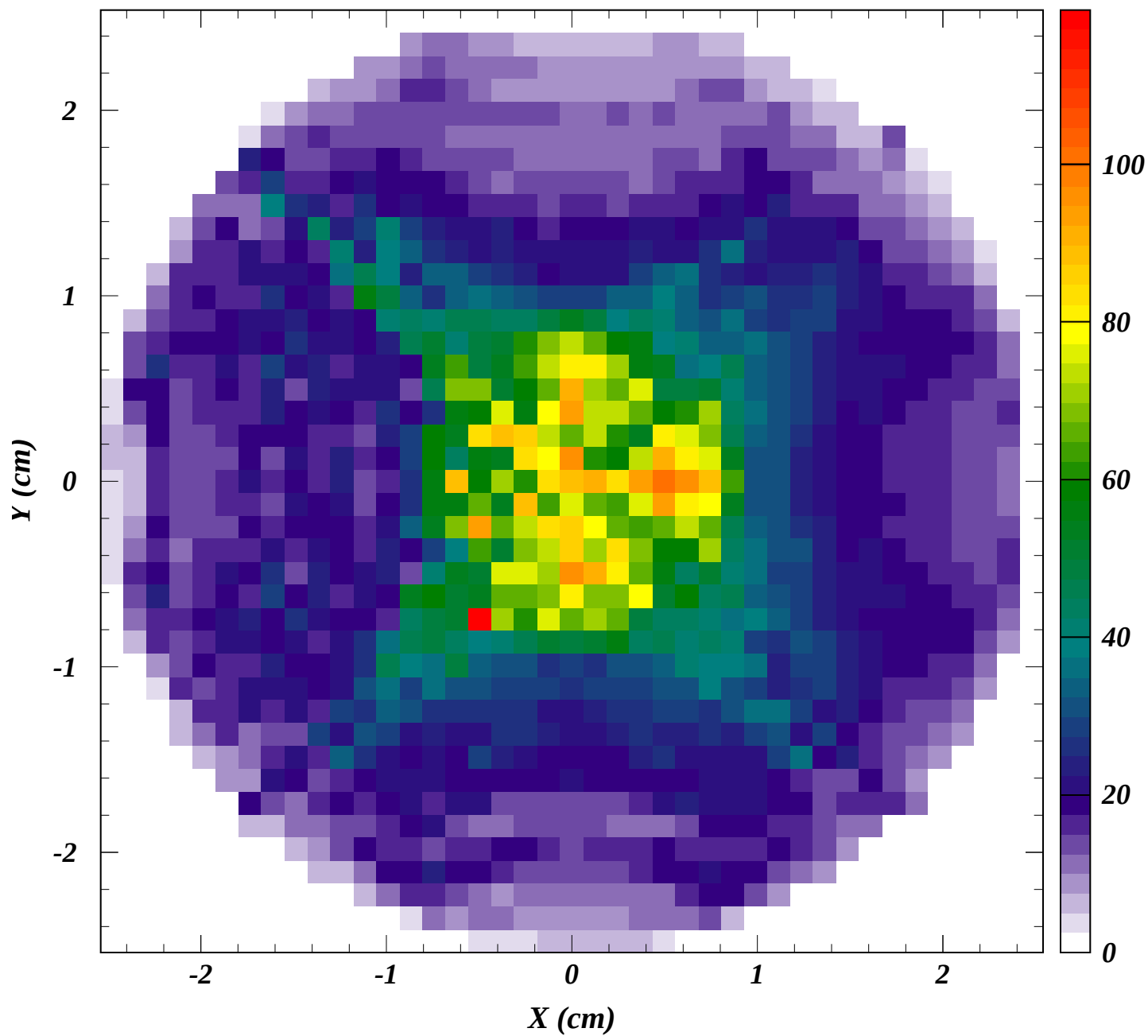
ECLOUD-DR20100308_5b_64_qua: Cloud Density (e/m^3) Averaged Over 120 ns

10/03/17 10.08
ECLOUD-DR20100308_5b_64_qua: Cloud Density (e/m^3) Averaged Over 120 ns

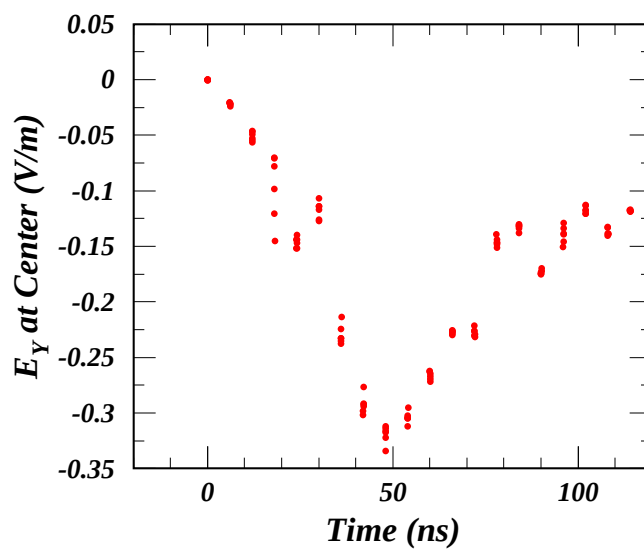
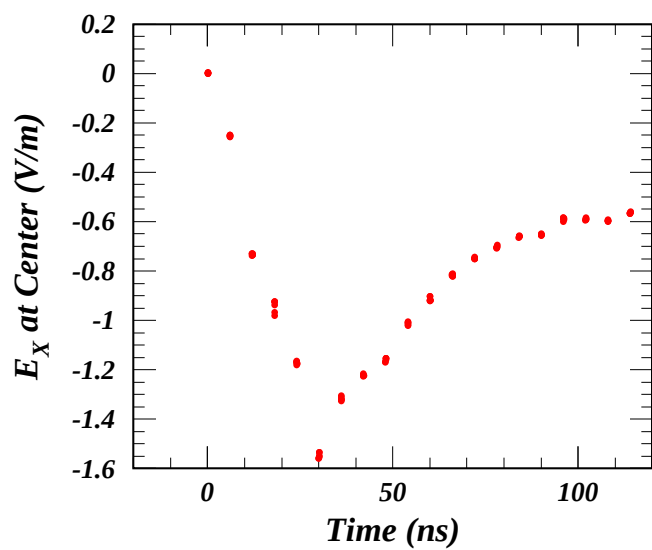




10/03/17 10.08
ECLOUD-DR20100308_5b_64_qua: Electron Energies (eV) Averaged Over 120 ns



ECLOUD-DR20100308_5b_64_qua: Electric Field at Beam



ECLLOUD-DR20100308_5b_64_qua Electric Field Gradients at Beam

