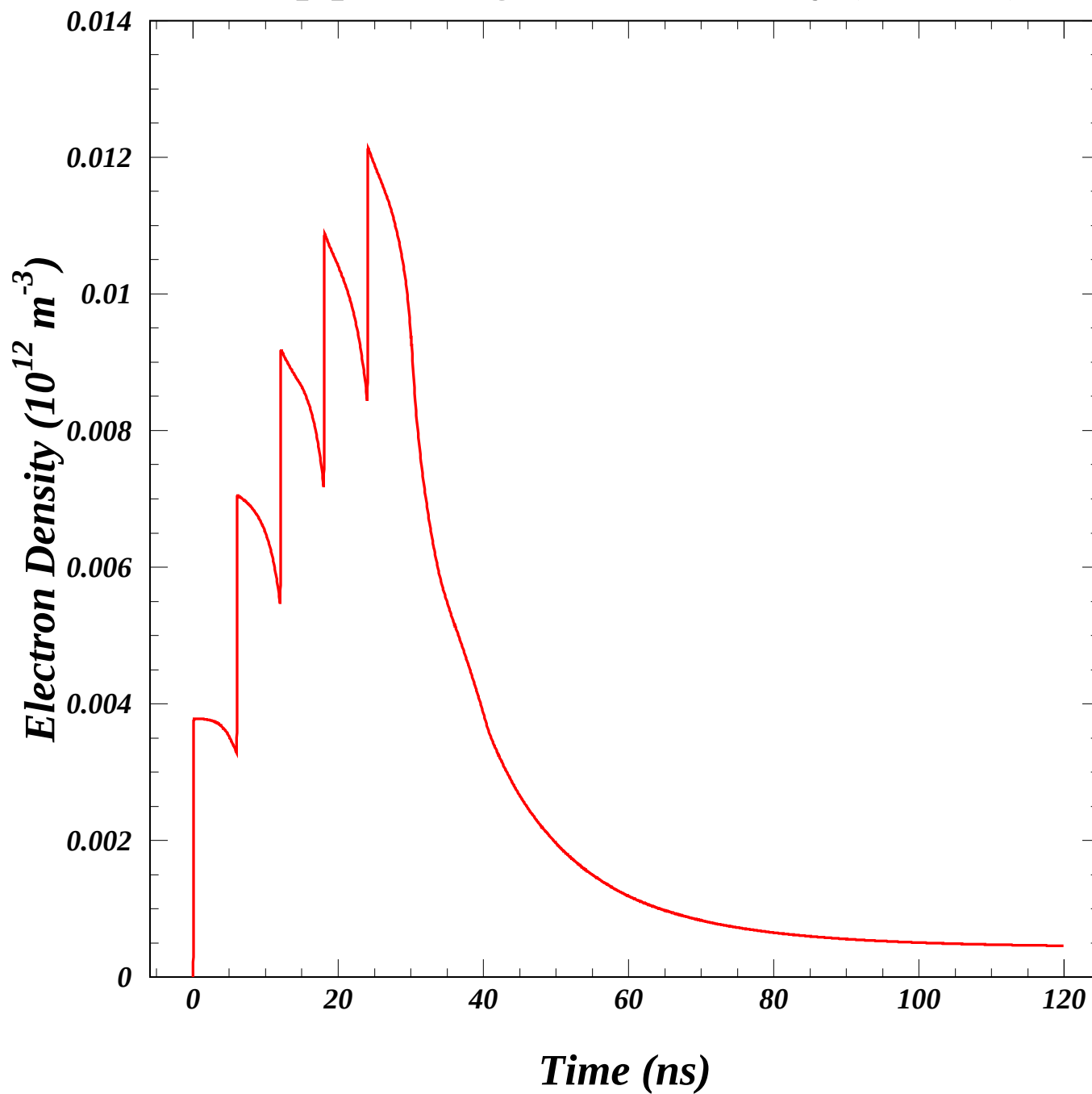
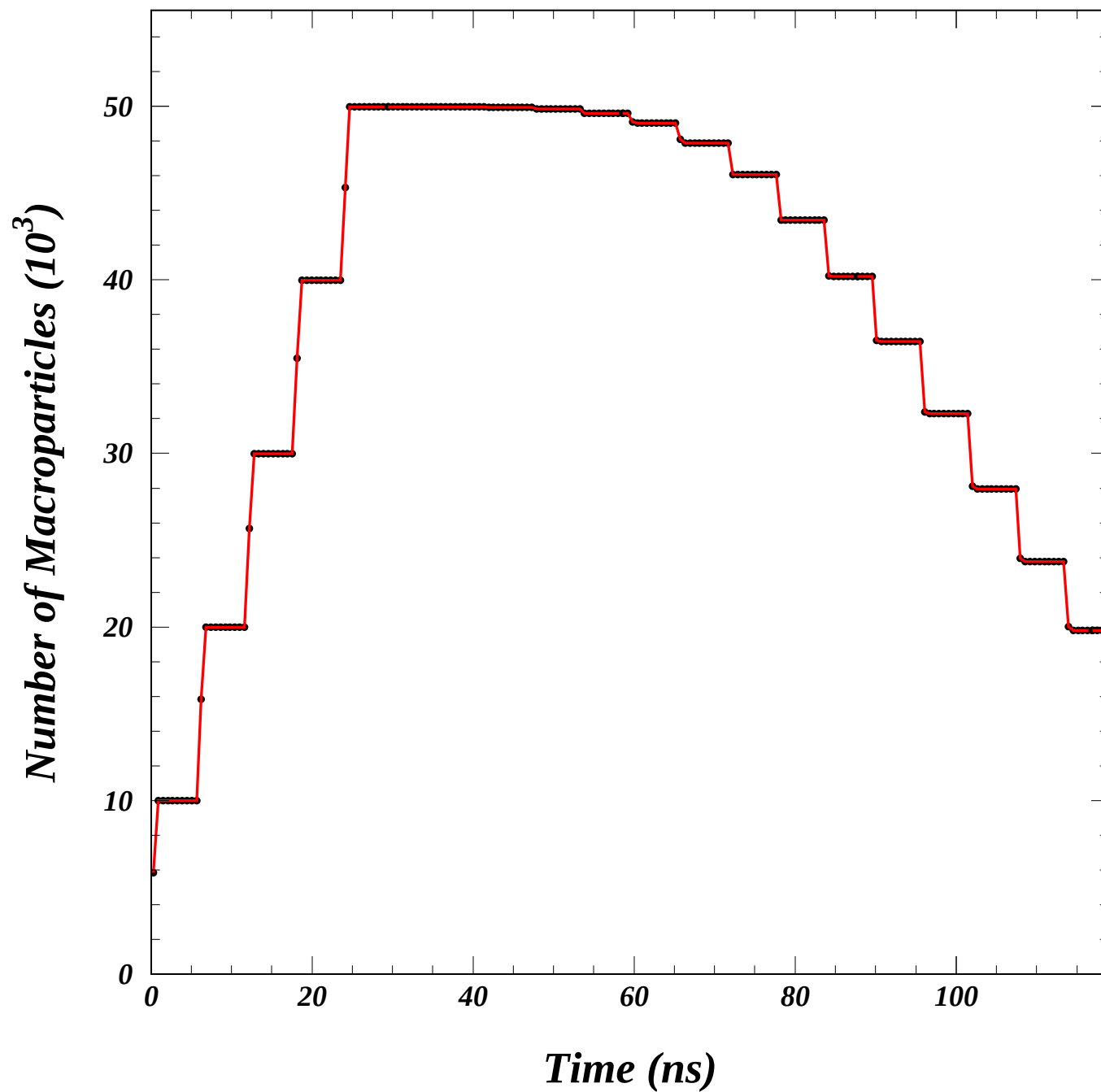
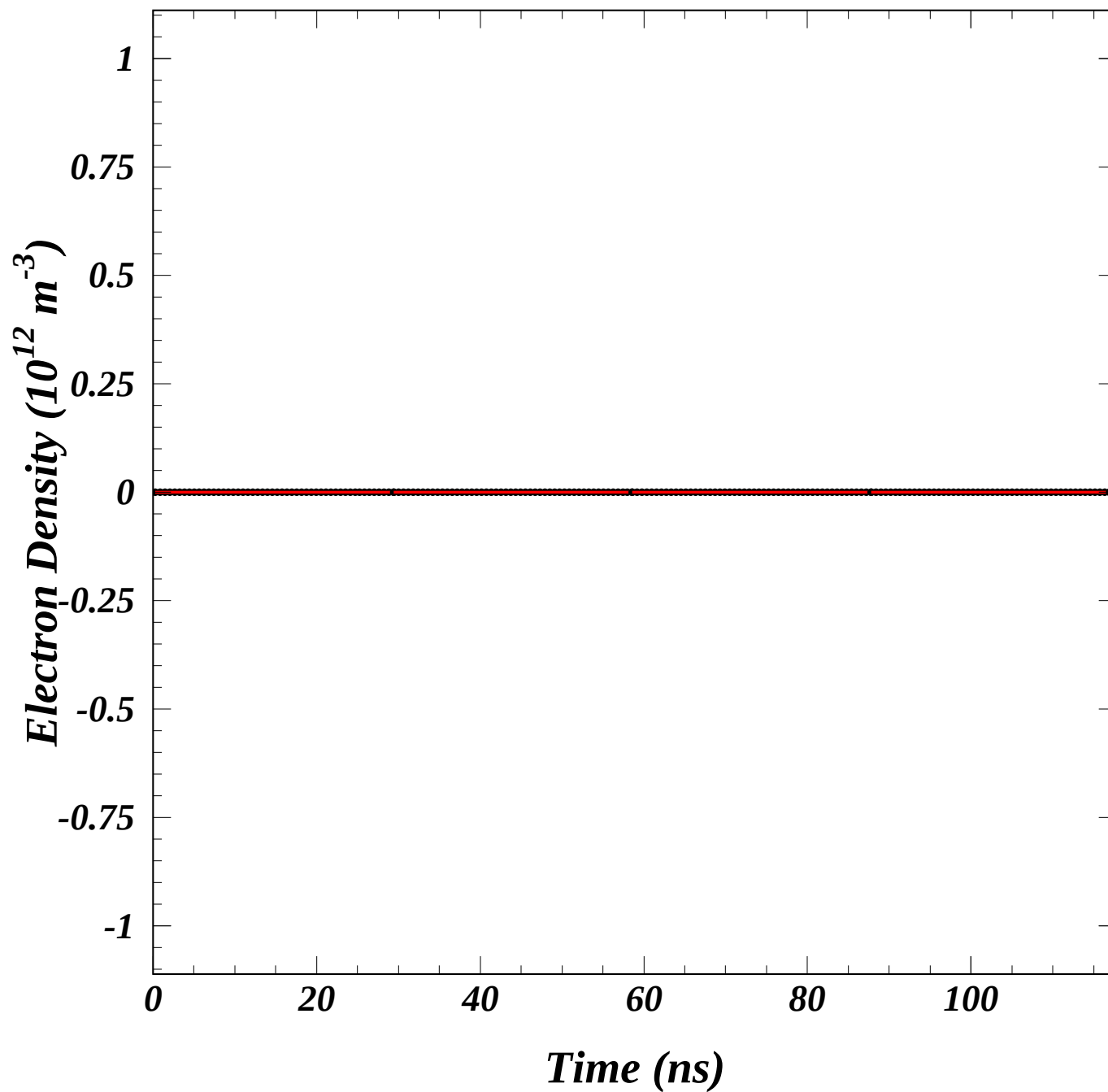


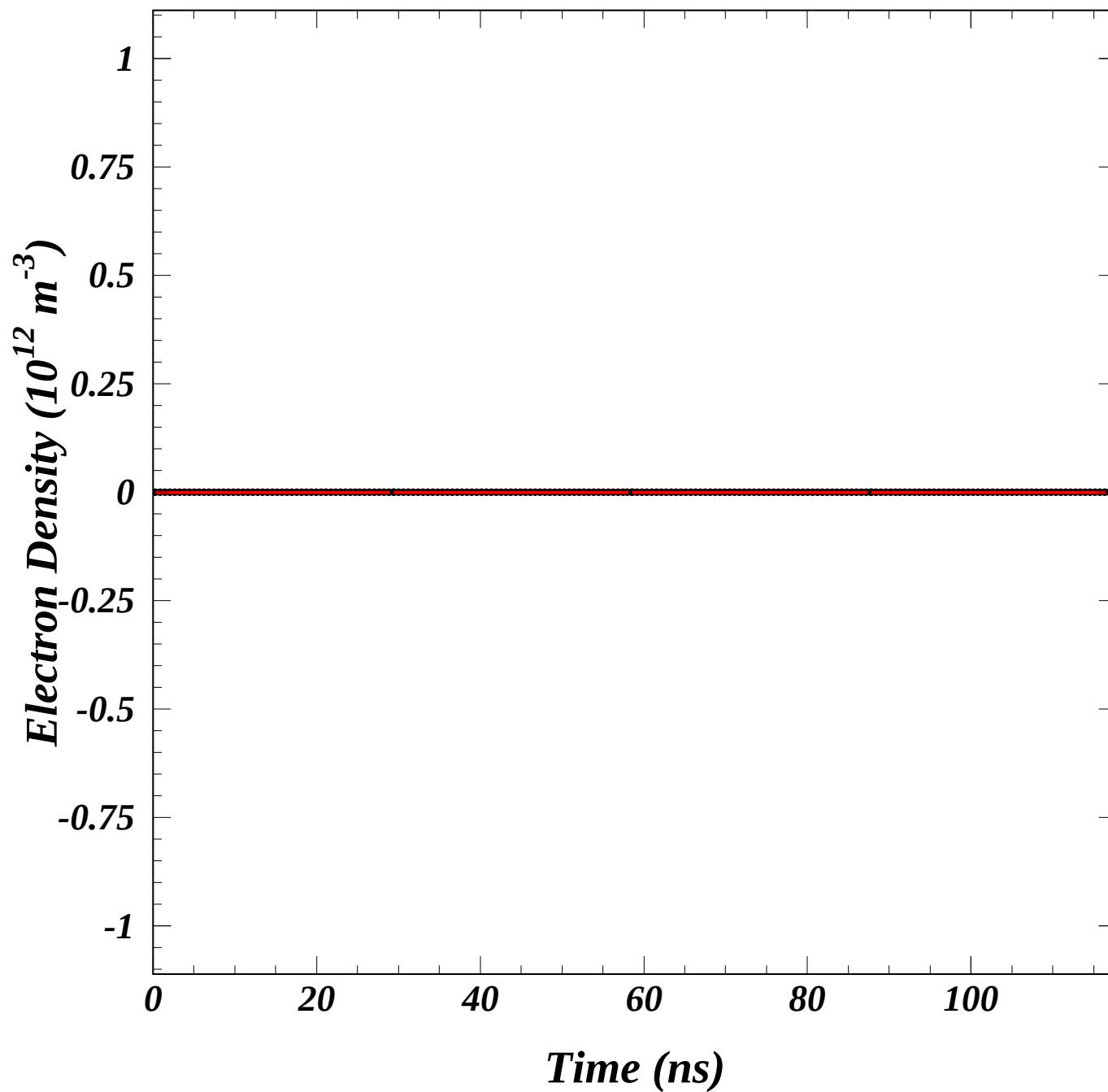
Beampipe-averaged Cloud Density (10^{12} m^{-3}) 10/03/22 17.02



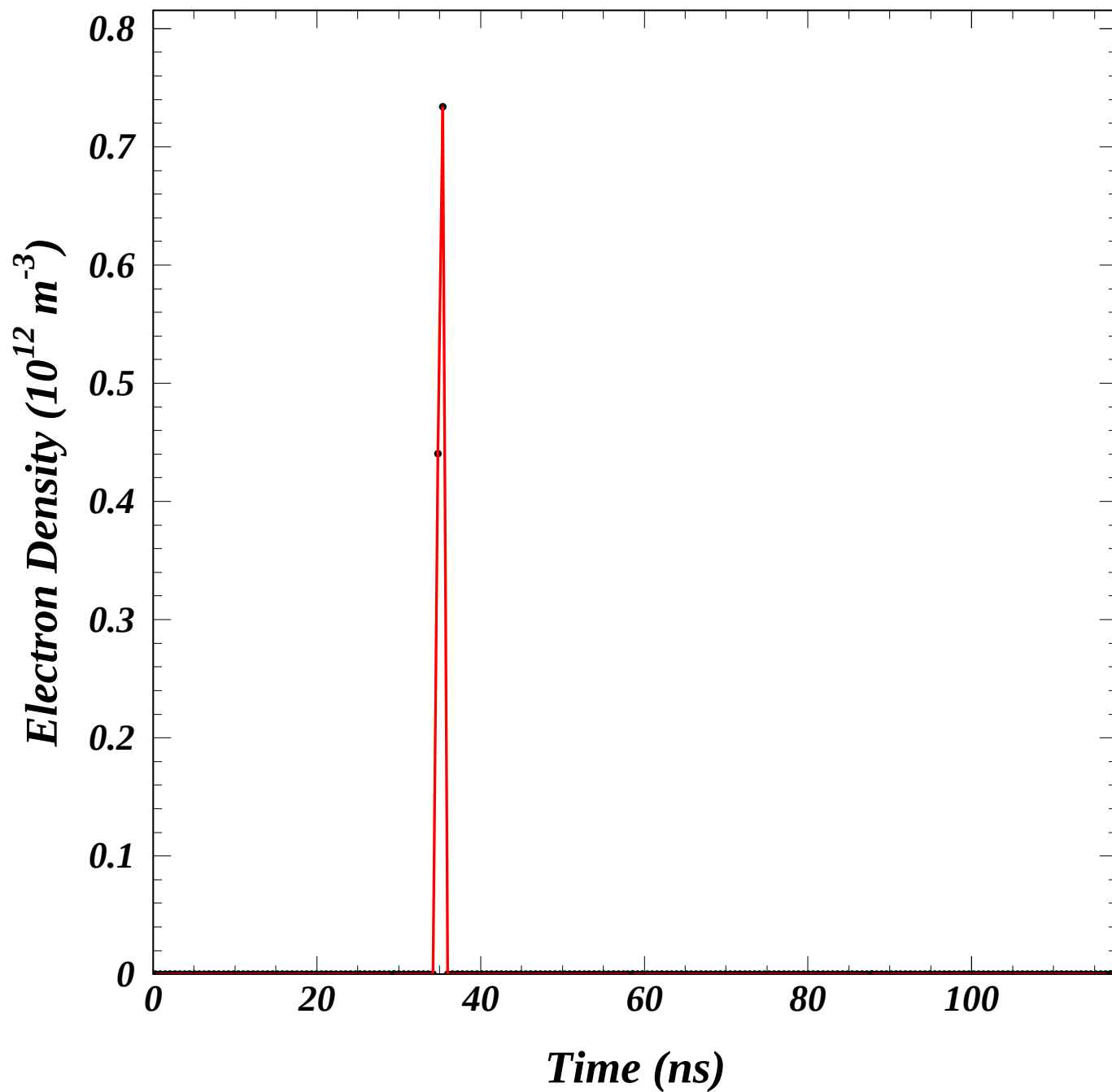
Macroparticle Statistics



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

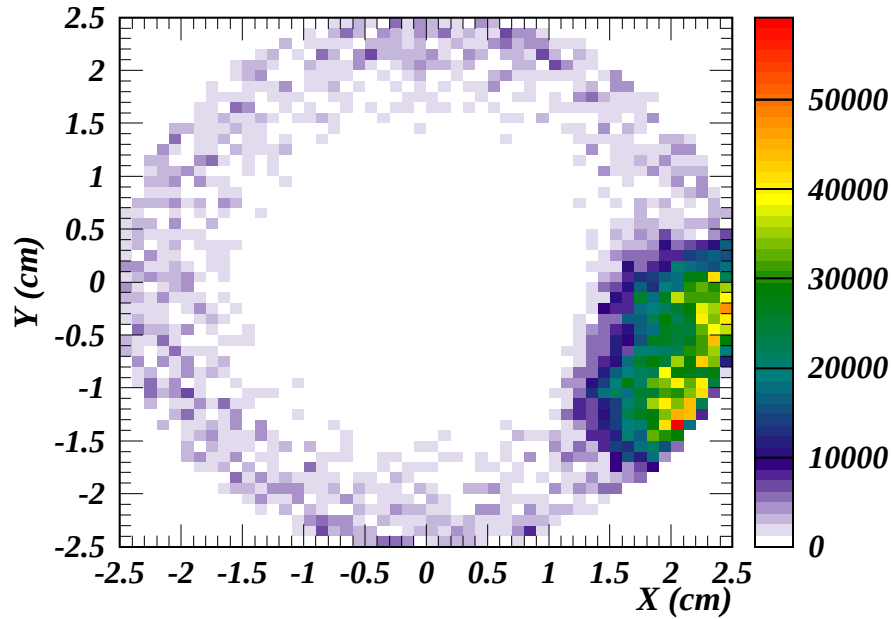
5-Sigma Cloud Density at Center of Pipe (10^{12} m^{-3})

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FELCLOUD-DR20100322_5b_64_sol: Cloud Density in Central Grid Cell (10^{12} m^{-3})

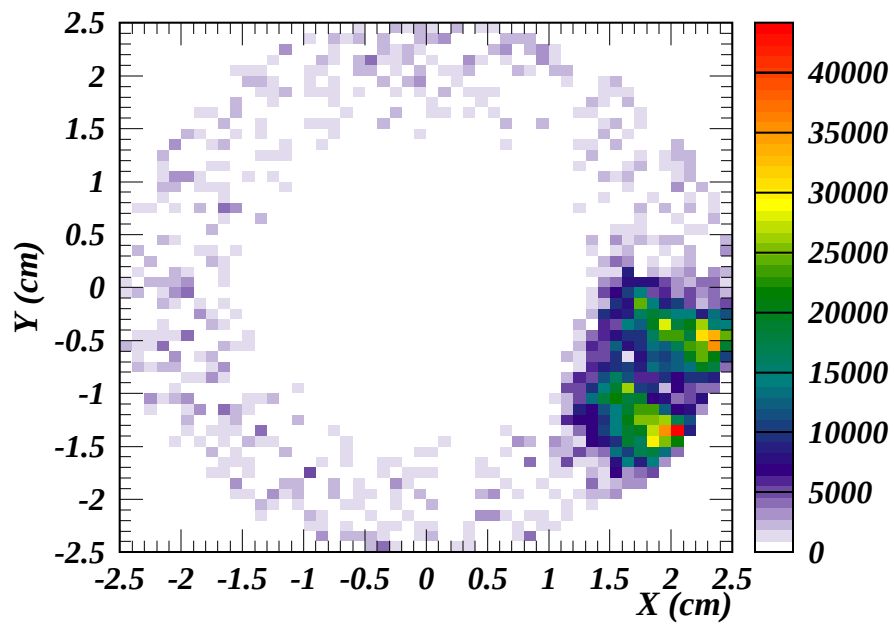


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Cloud charge snapshot after bunch 1 at time = 6 ns

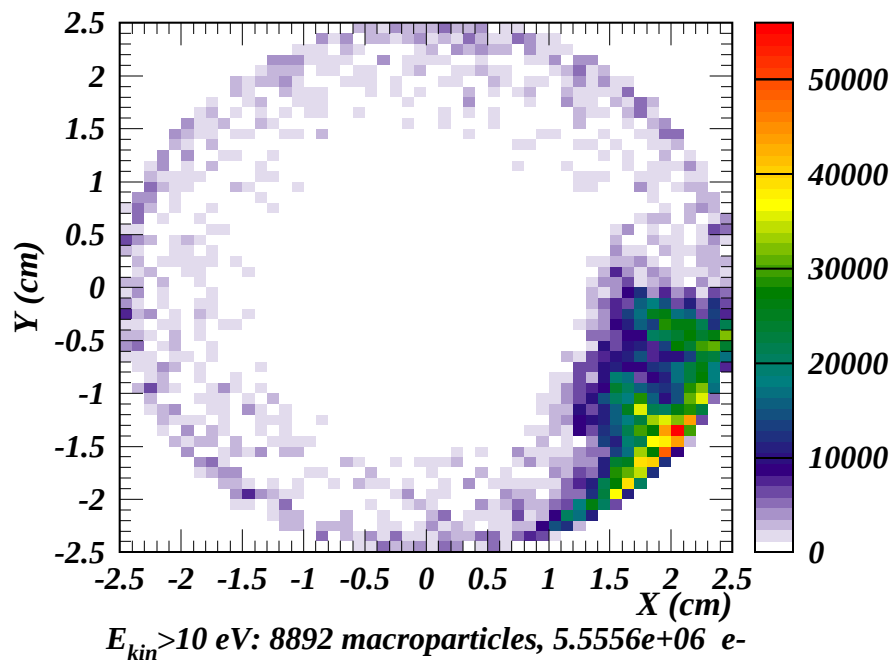
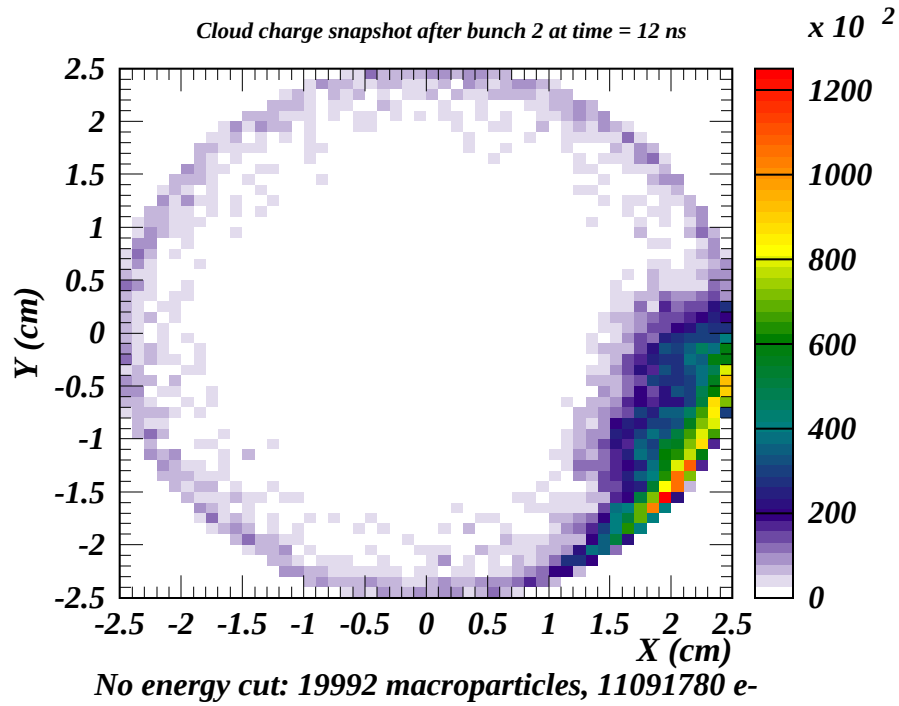


No energy cut: 9996 macroparticles, $6.66277e+06$ e-



$E_{kin} > 10$ eV: 5125 macroparticles, 3576417 e-

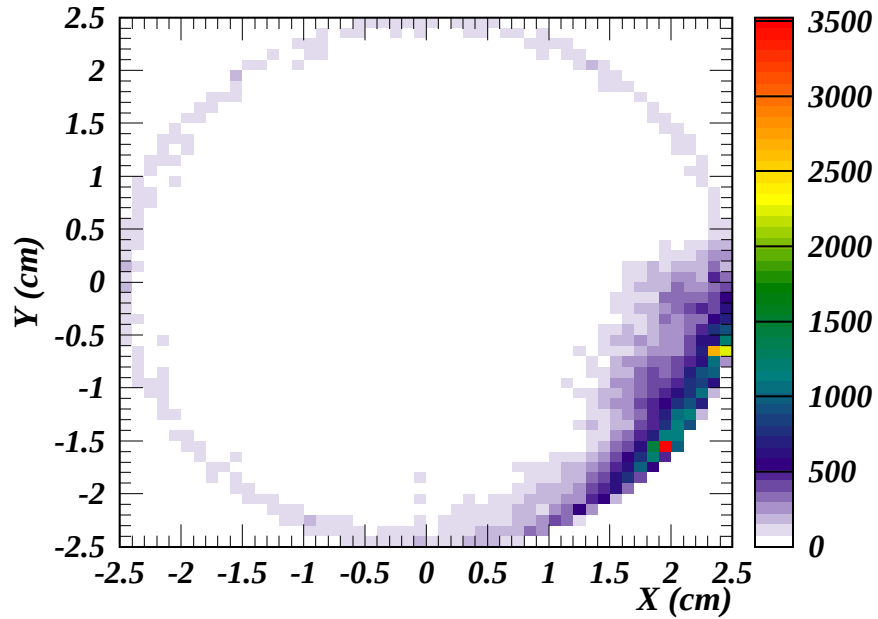
10/03/22 17.02



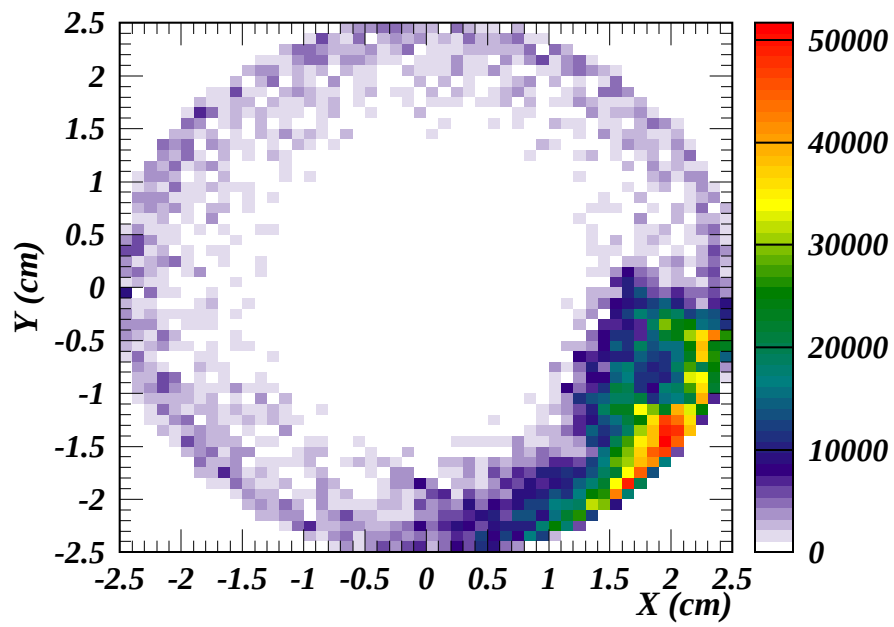
10/03/22 17.02

$\times 10^{-2}$

Cloud charge snapshot after bunch 3 at time = 18 ns



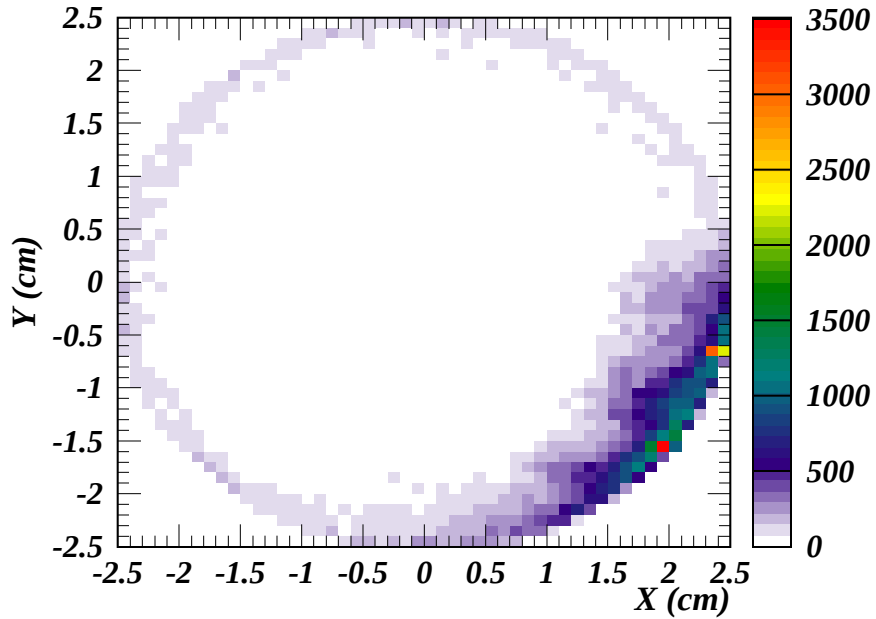
No energy cut: 29988 macroparticles, 14552625 e-



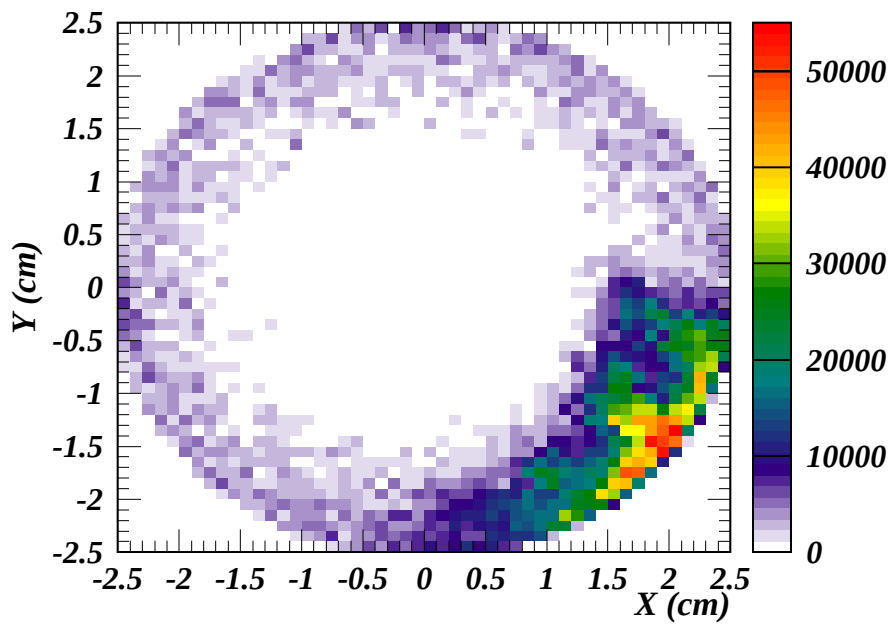
$E_{kin} > 10$ eV: 13302 macroparticles, 6886943 e-

10/03/22 17.02
 $\times 10^{-2}$

Cloud charge snapshot after bunch 4 at time = 24 ns

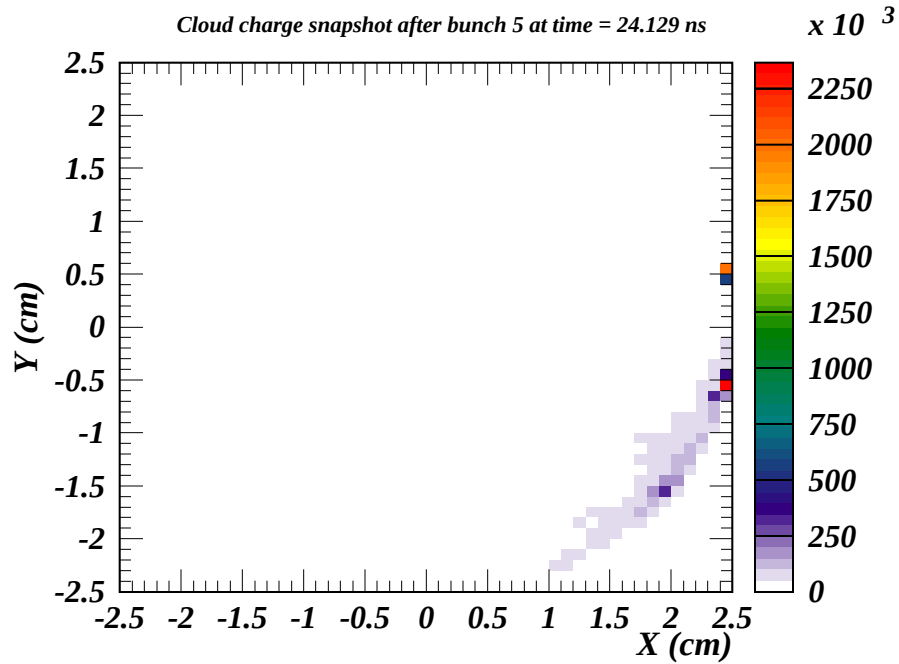


No energy cut: 39984 macroparticles, 17105342 e-

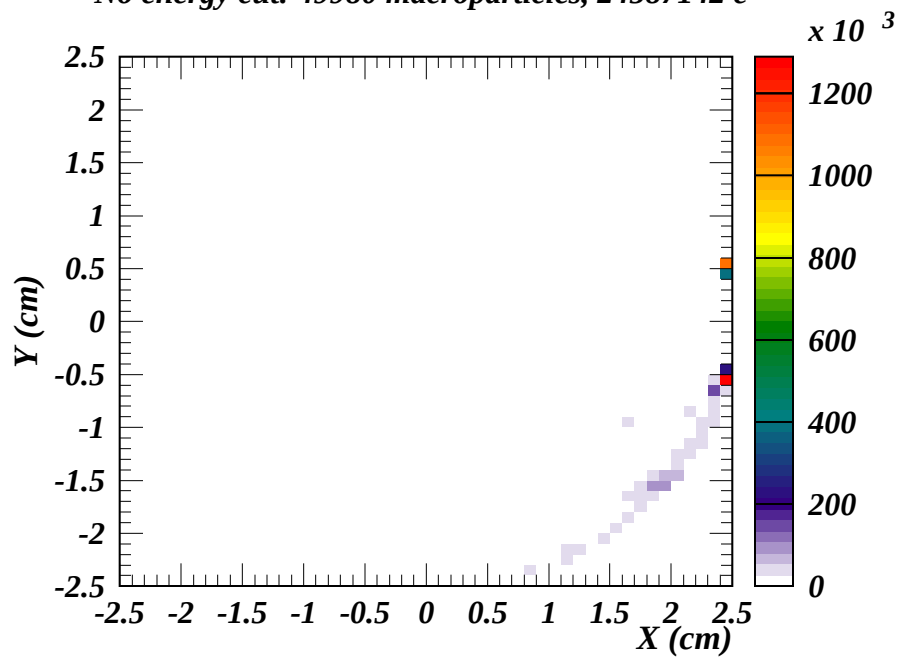


$E_{kin} > 10$ eV: 16863 macroparticles, 7.93921e+06 e-

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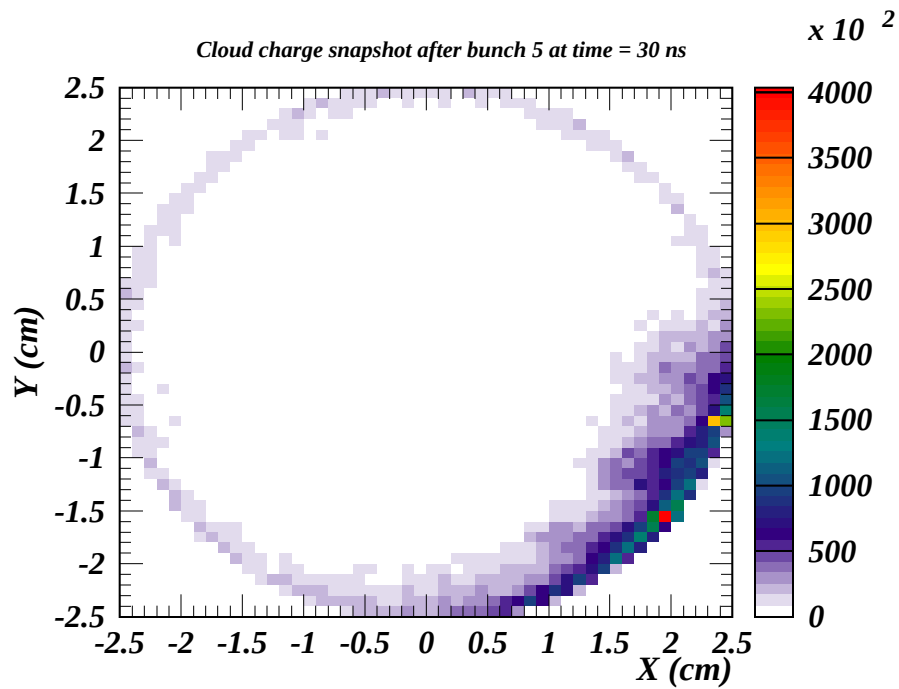


No energy cut: 49980 macroparticles, 24587142 e-

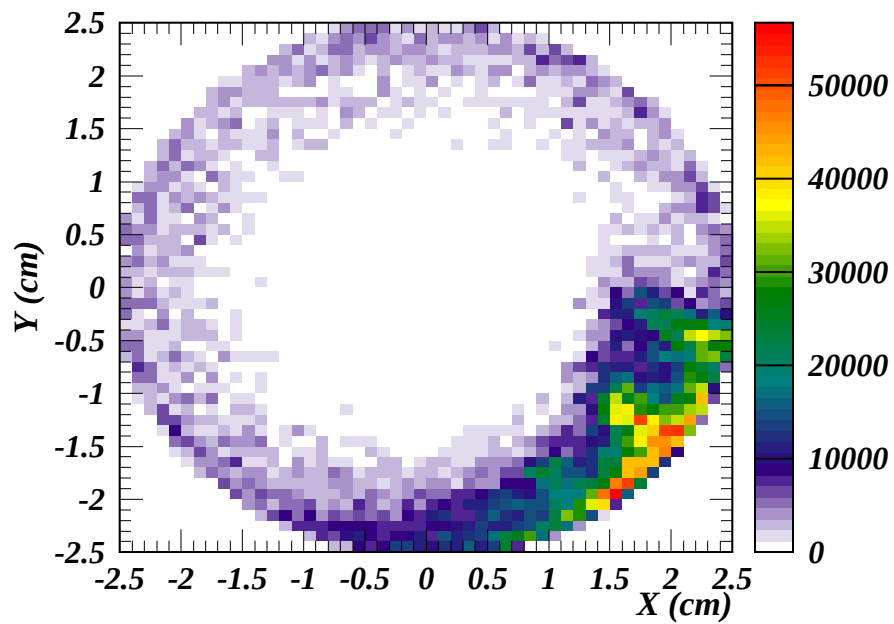


$E_{kin} > 10$ eV: 24236 macroparticles, 10878702 e-

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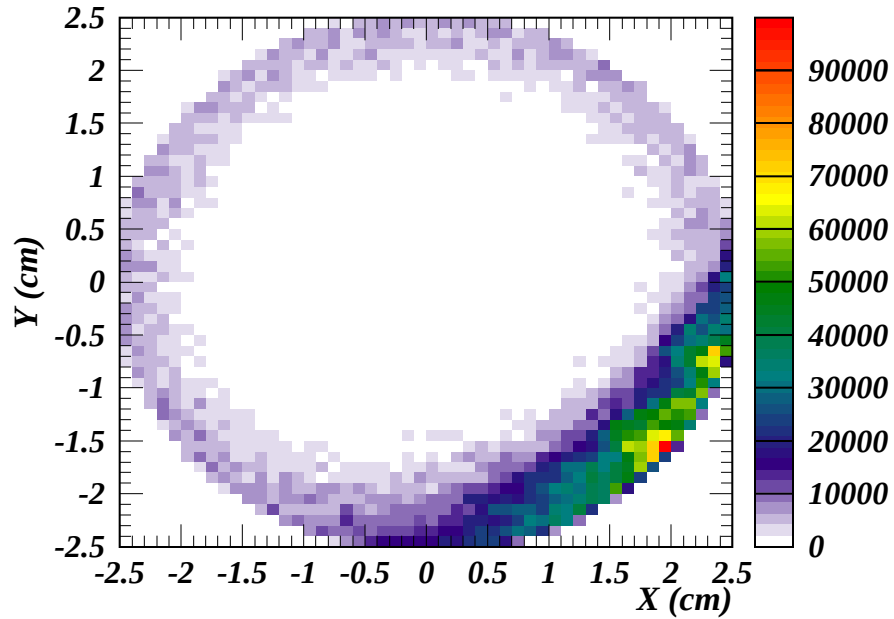
No energy cut: 49980 macroparticles, 19088956 e-



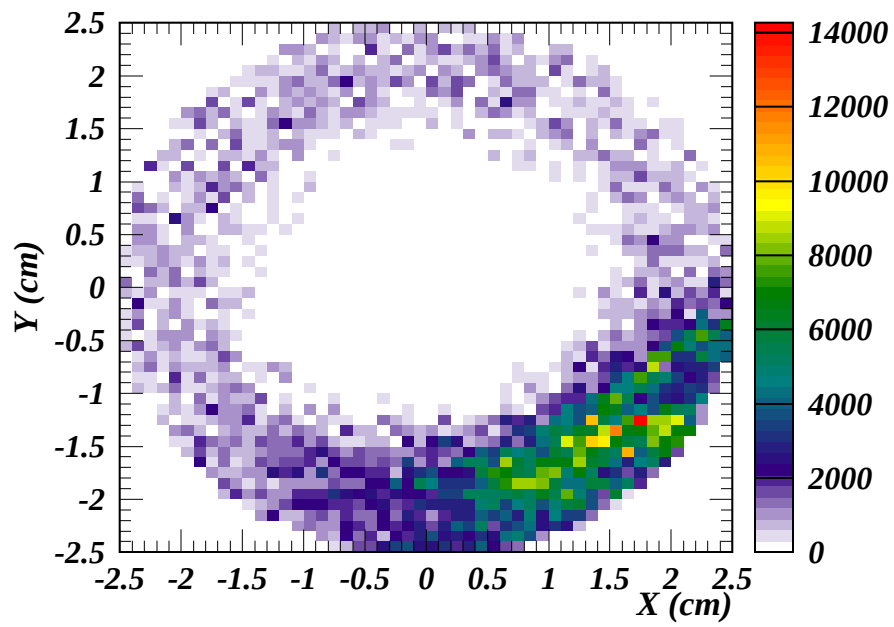
$E_{kin} > 10$ eV: 20710 macroparticles, 8547036 e-

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Cloud charge snapshot after bunch 6 at time = 36 ns



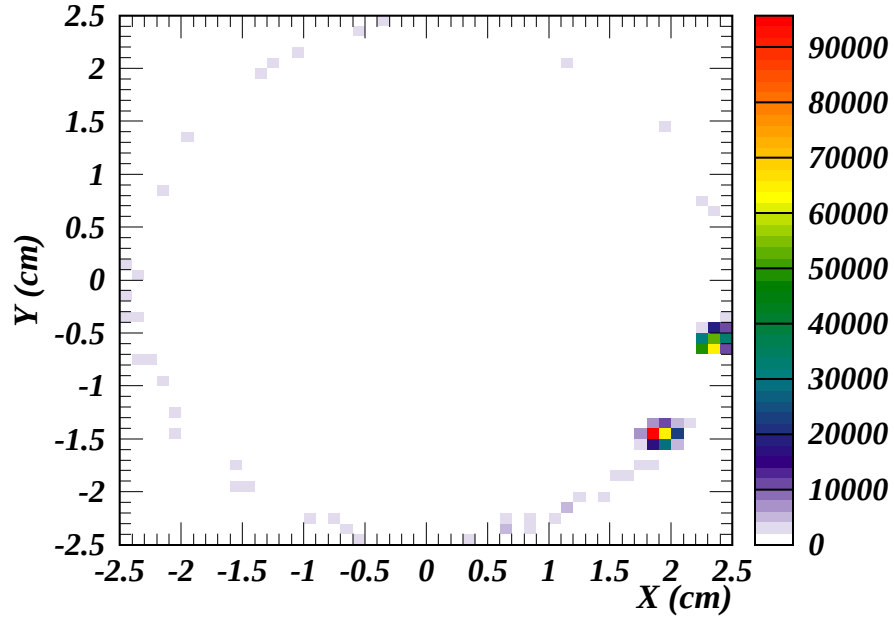
No energy cut: 49980 macroparticles, 10473846 e-



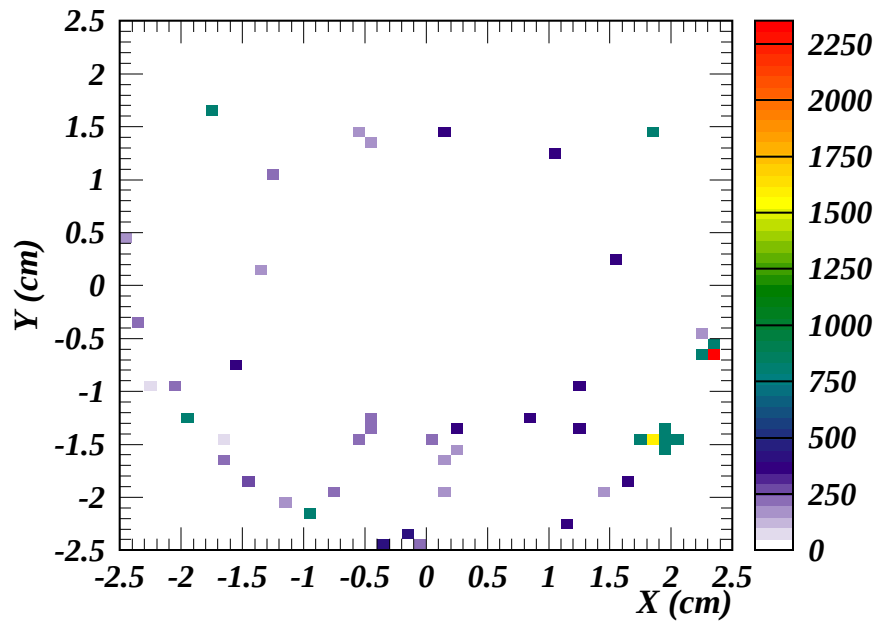
$E_{kin} > 10$ eV: 10647 macroparticles, 2212164 e-

10/03/22 17.02

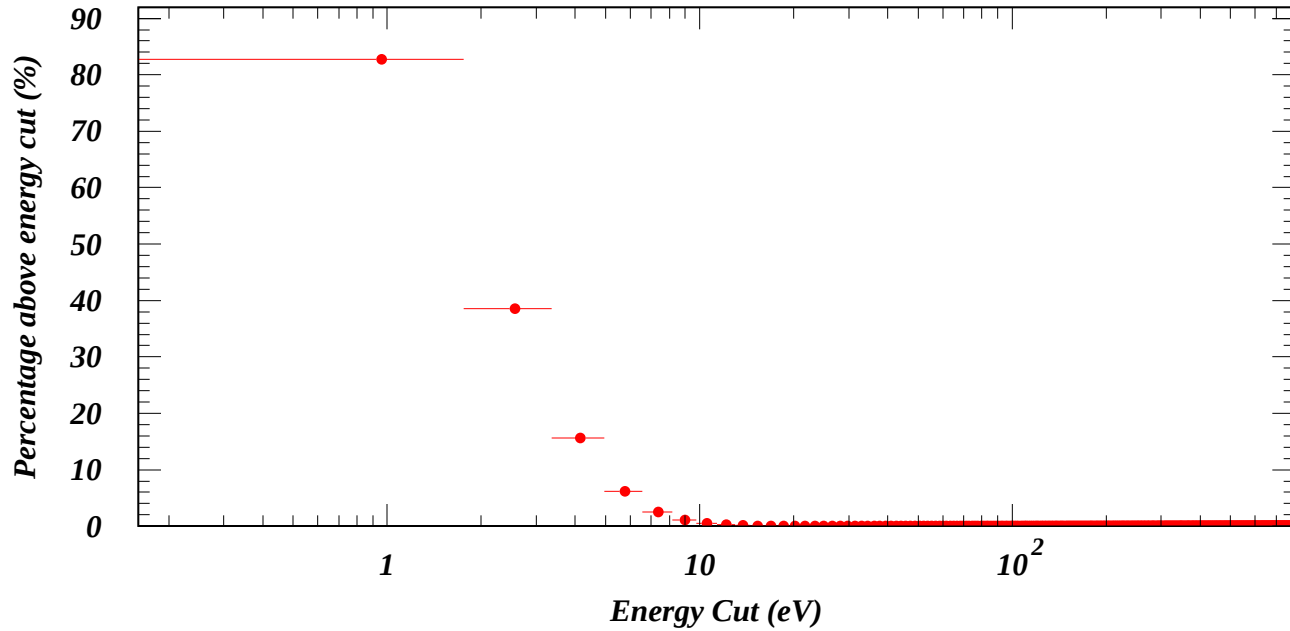
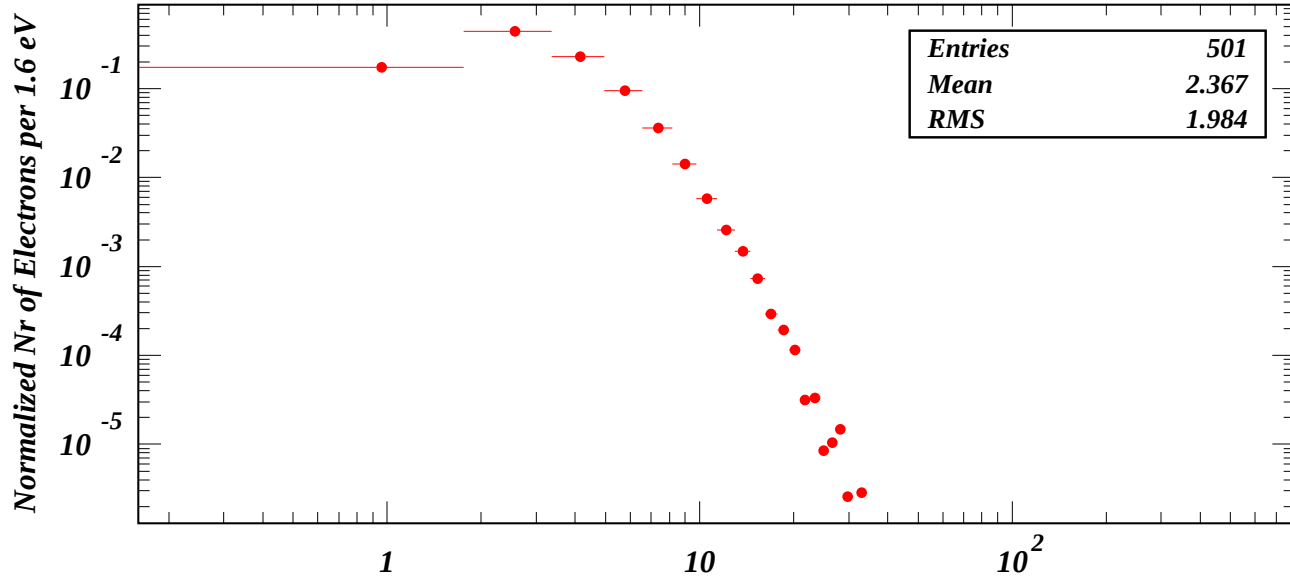
Cloud charge snapshot after bunch 21 at time = 120 ns

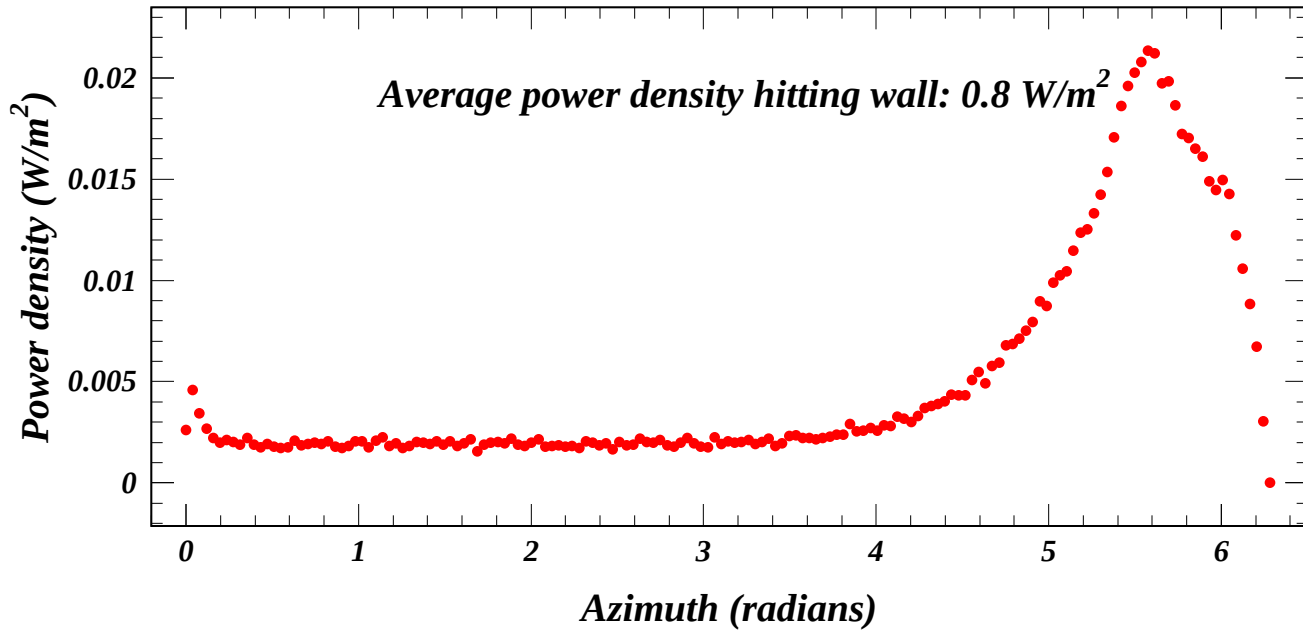
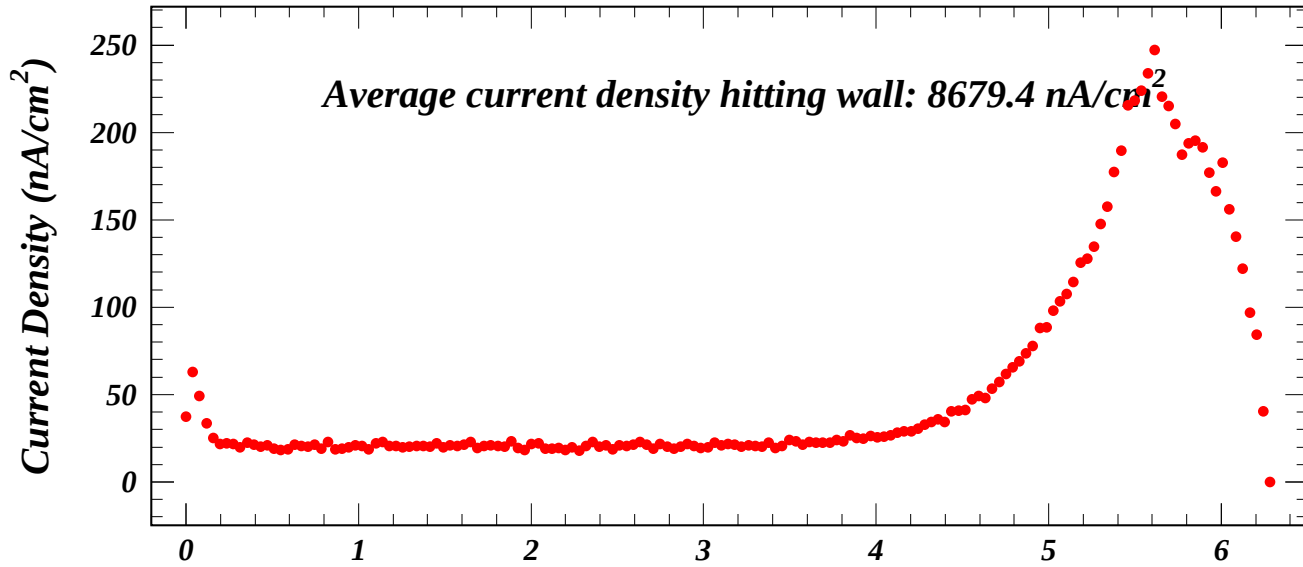


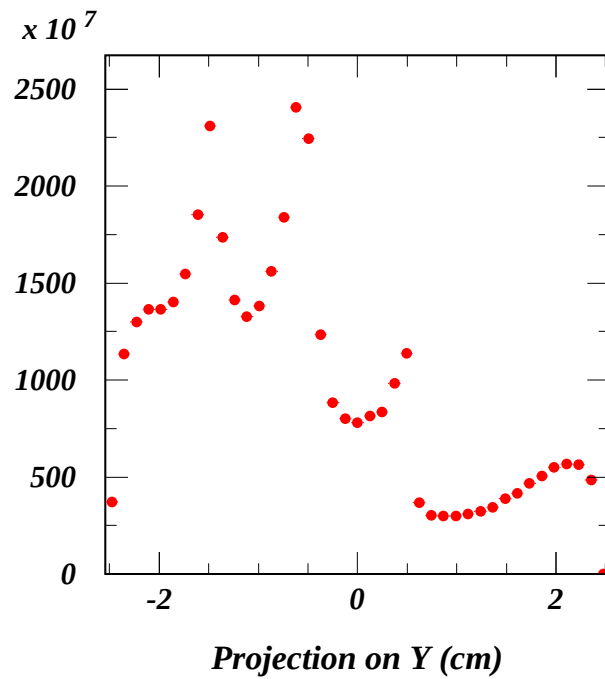
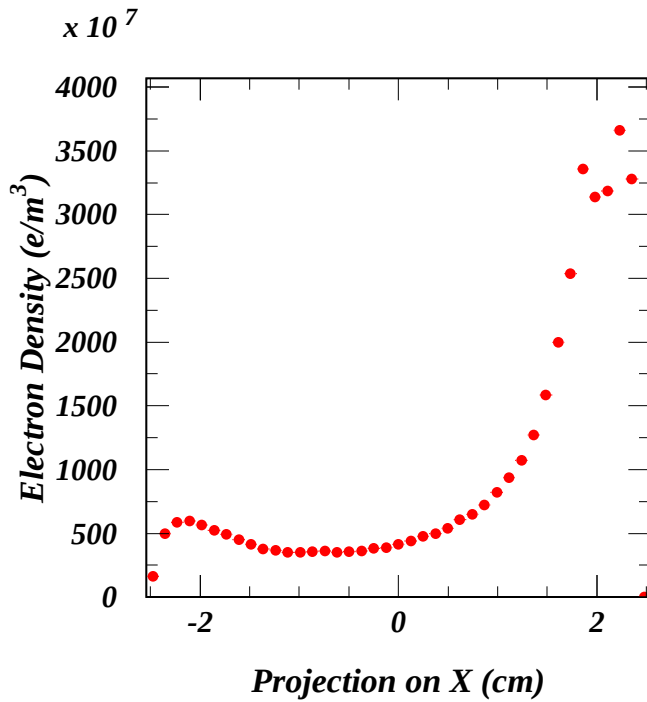
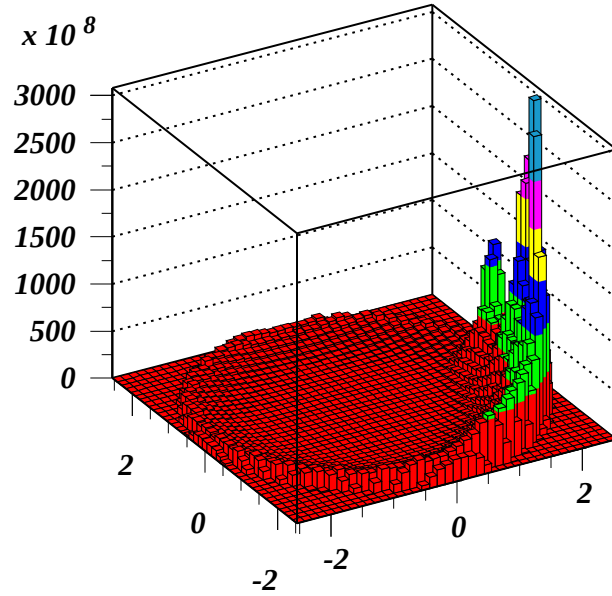
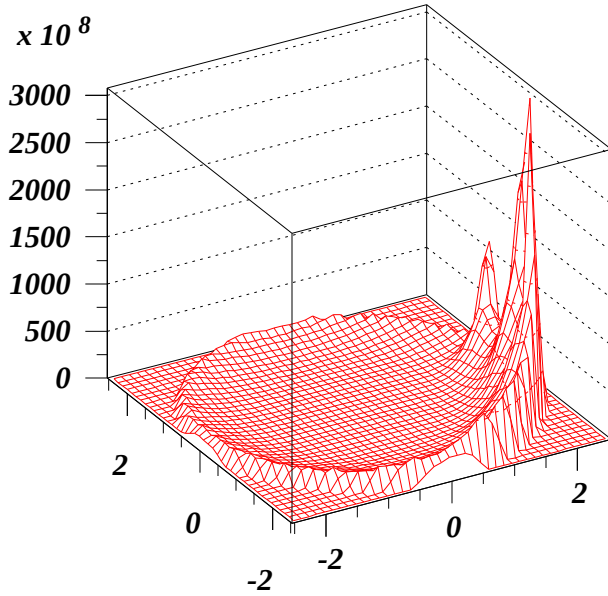
No energy cut: 16140 macroparticles, 930139 e-



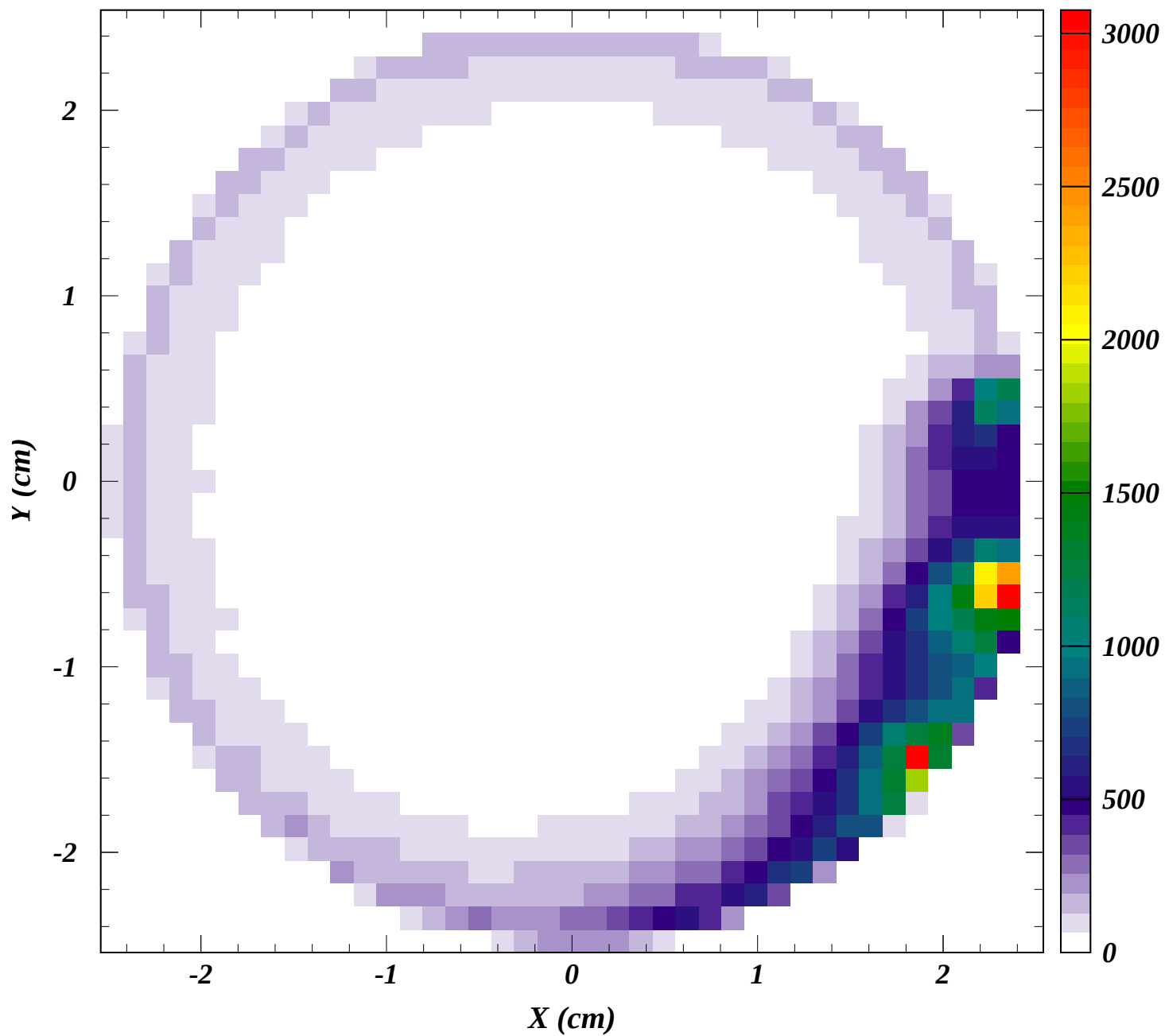
$E_{kin} > 10$ eV: 55 macroparticles, 21440.1 e-

ECLOUD-DR20100322_5b_64_sol: Time-Integrated Energies of Electrons Hitting Wall

ECLLOUD-DR20100322_5b_64_sol: Time-Integrated Energies of Electrons Hitting Wall

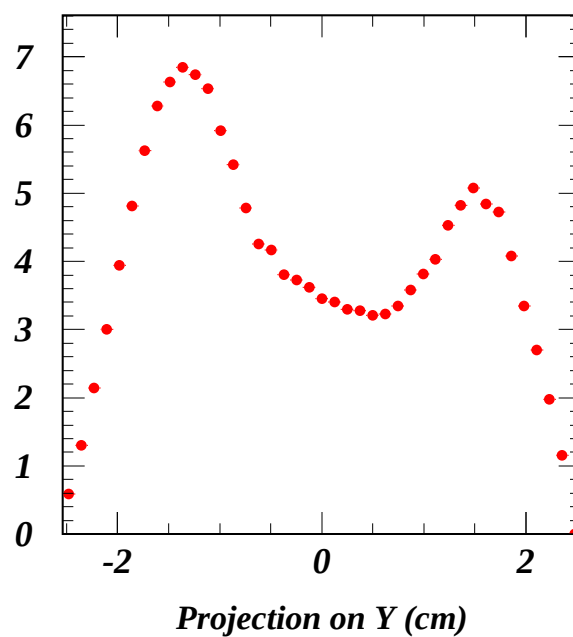
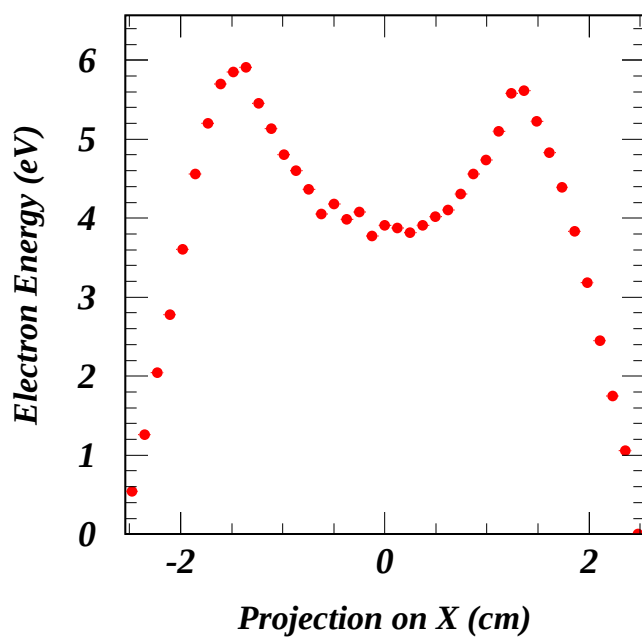
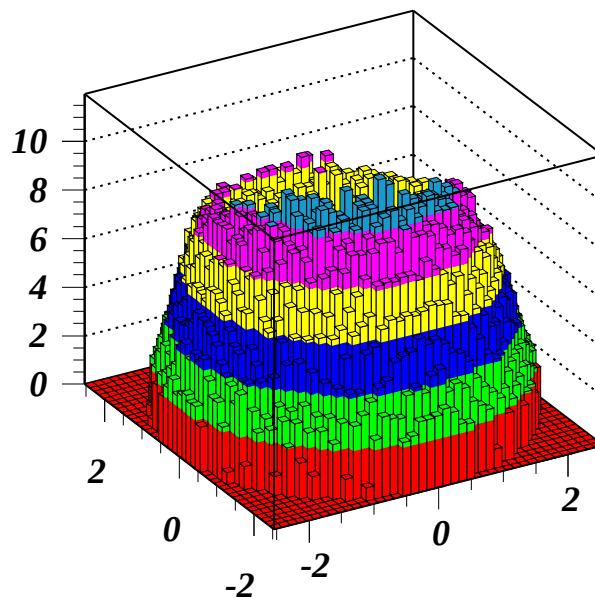
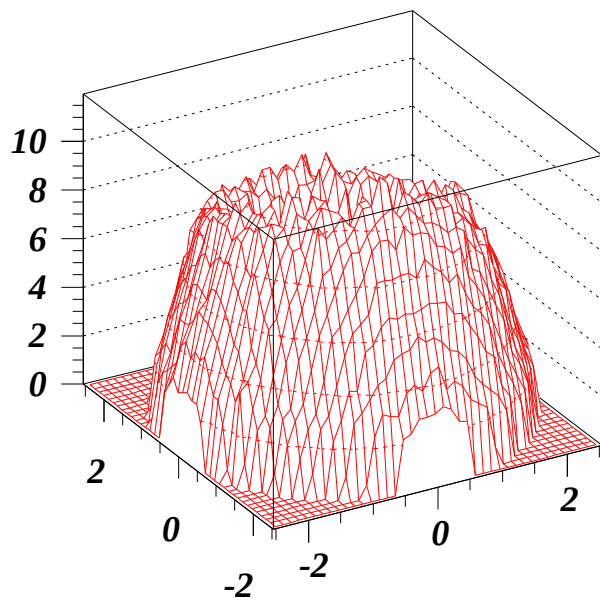
ECLOUD-DR20100322_5b_64_sol: Cloud Density (e/m^3) Averaged Over 120 ns

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ECLOUD-DR20100322_5b_64_sol: Cloud Density (e/m^3) Averaged Over 120 ns $\times 10^8$

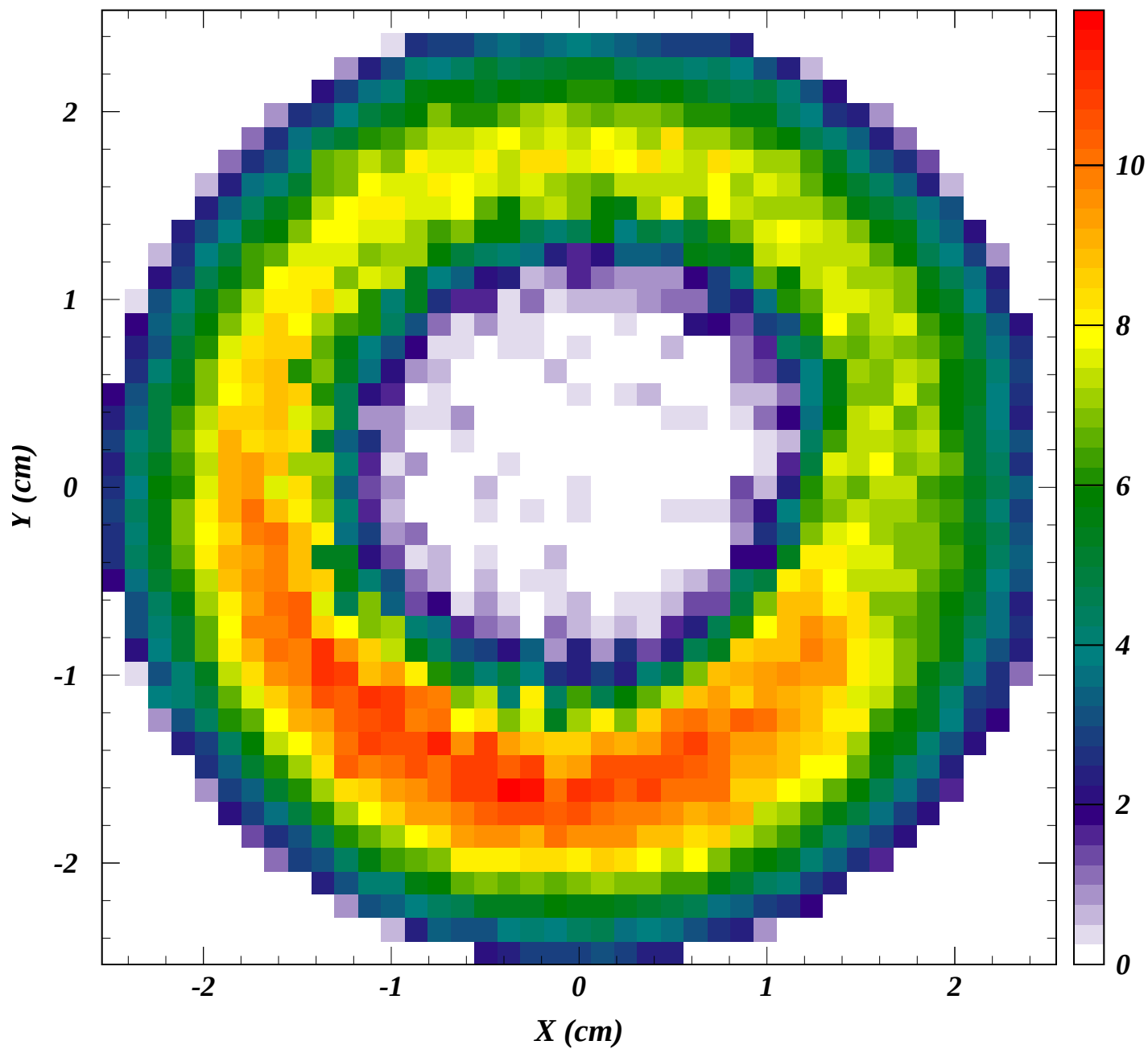


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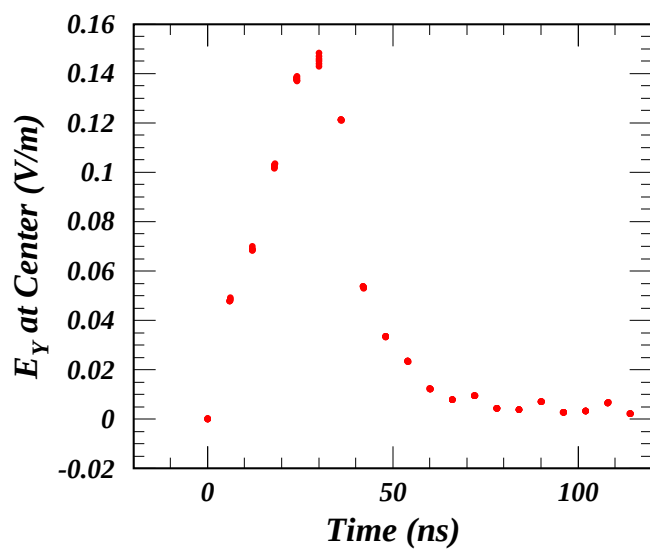
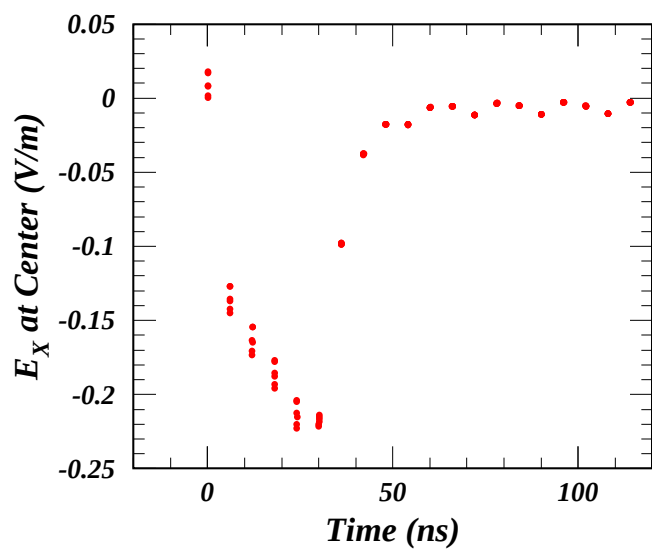
ECLOUD-DR20100322_5b_64_sol: Electron Energies (eV) Averaged Over 120 ns



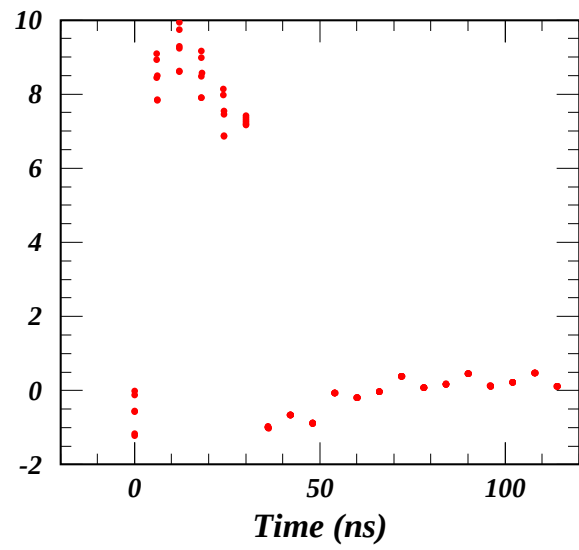
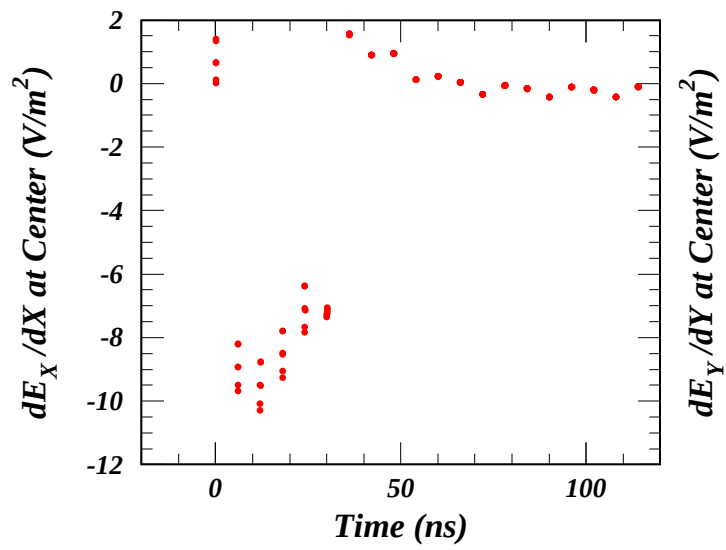
10/03/22 17.02
ECLLOUD-DR20100322_5b_64_sol: Electron Energies (eV) Averaged Over 120 ns



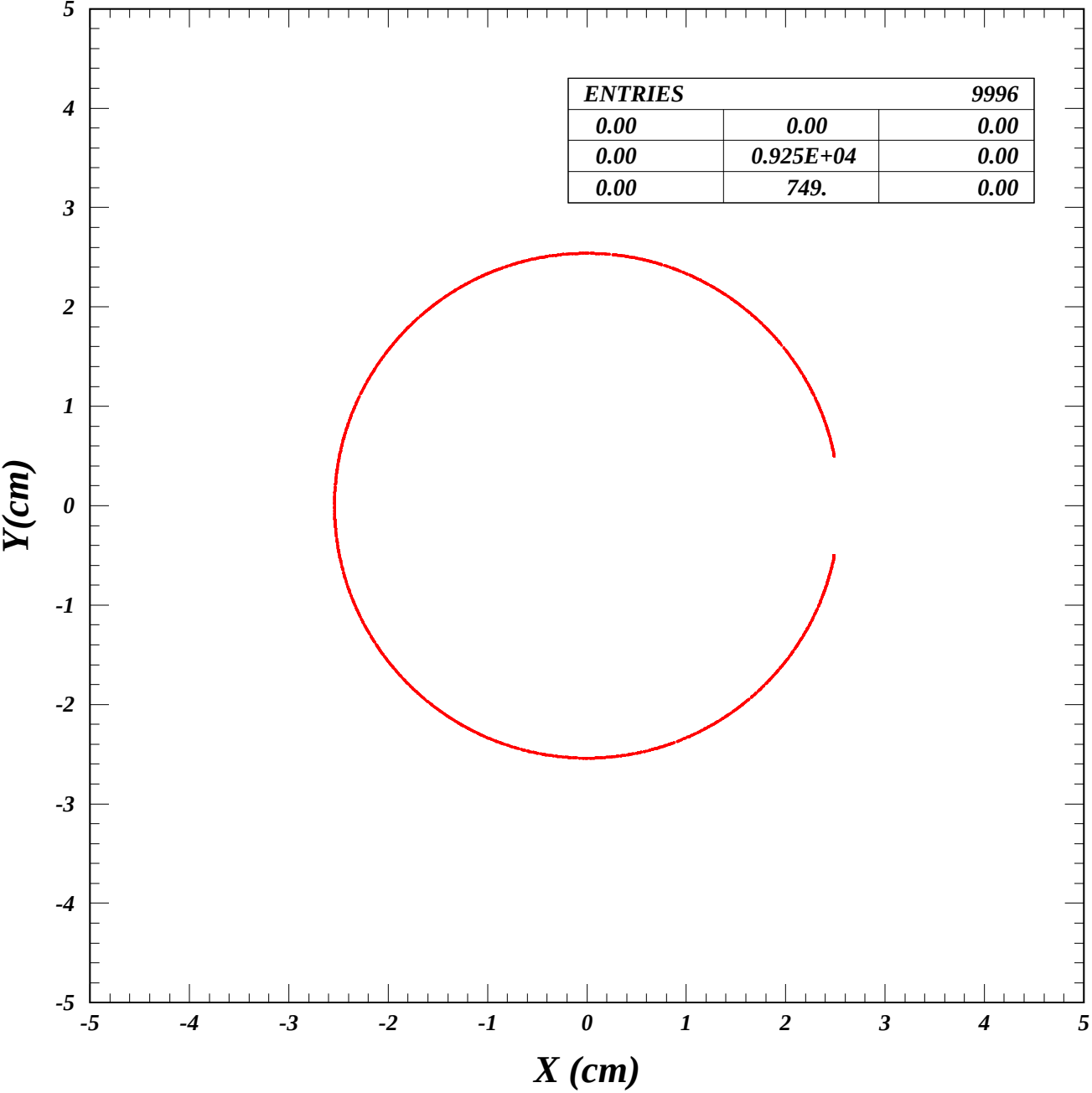
ECLOUD-DR20100322_5b_64_sol: Electric Field at Beam



ECLOUD-DR20100322_5b_64_solElectric Field Gradients at Beam



ECLOUD DR20100322_5b_64_sol: Primary Photoelectrons



ECLOUD DR20100322_5b_64_sol: Primary Photoelectrons

