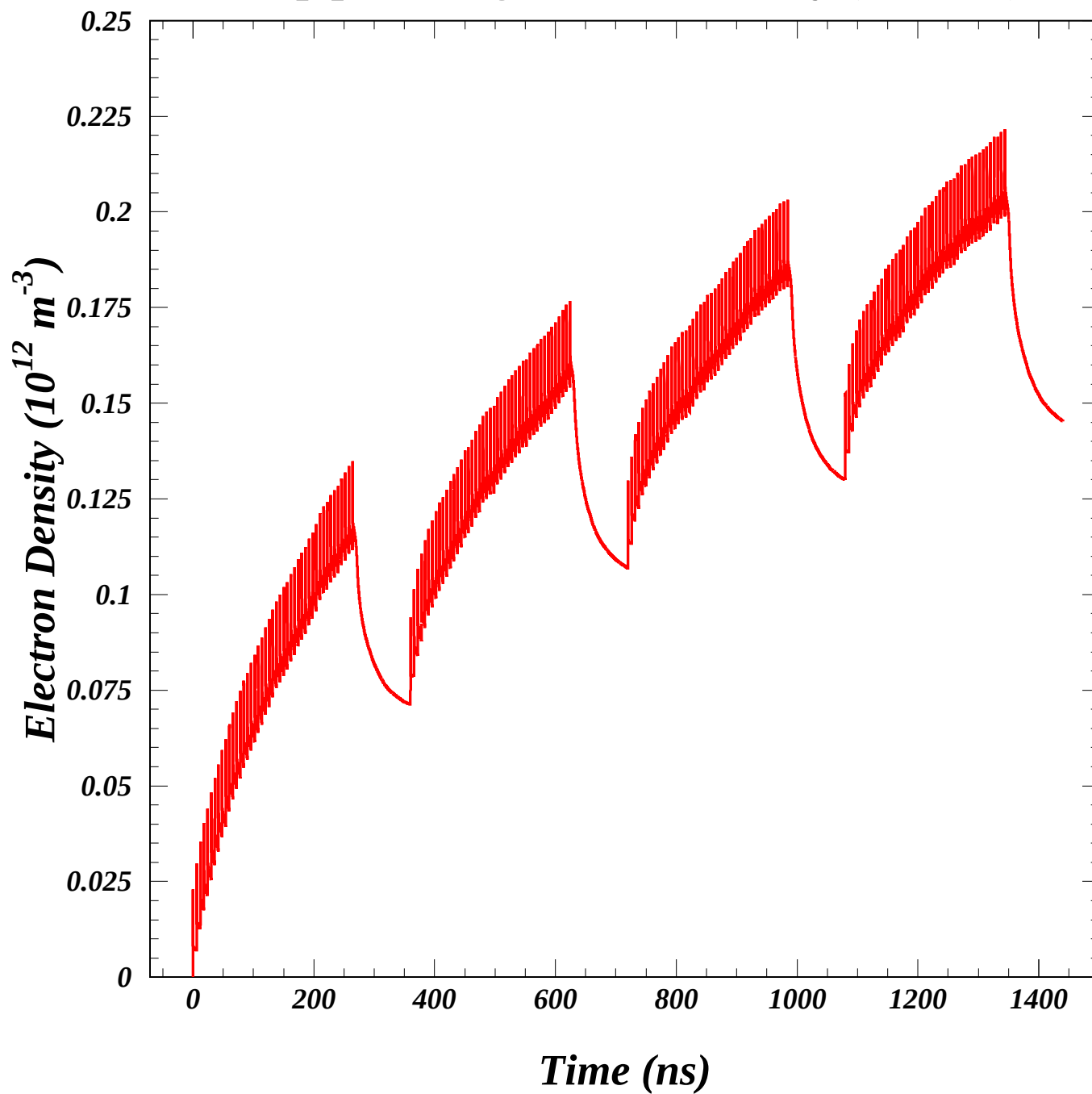
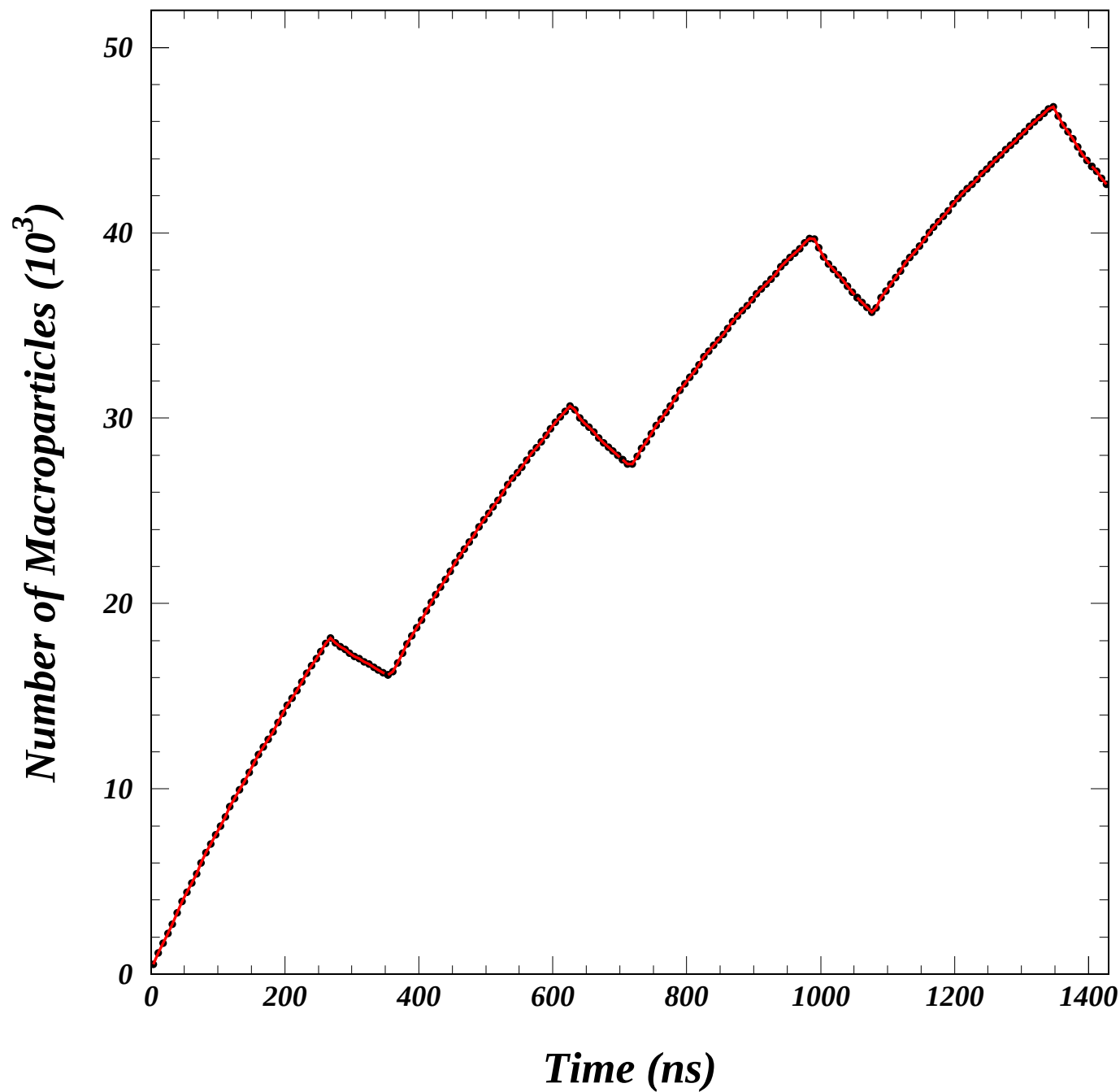
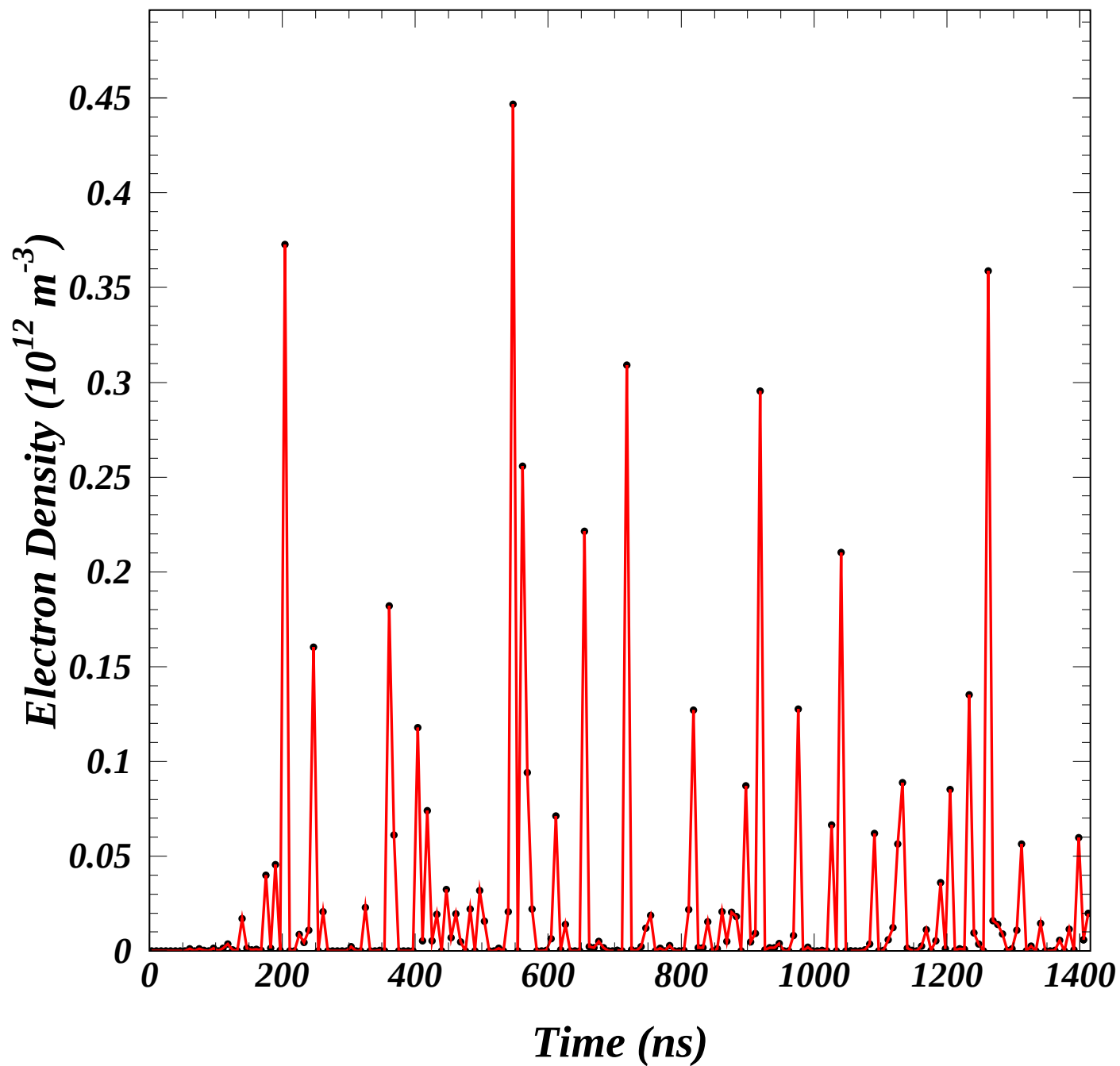


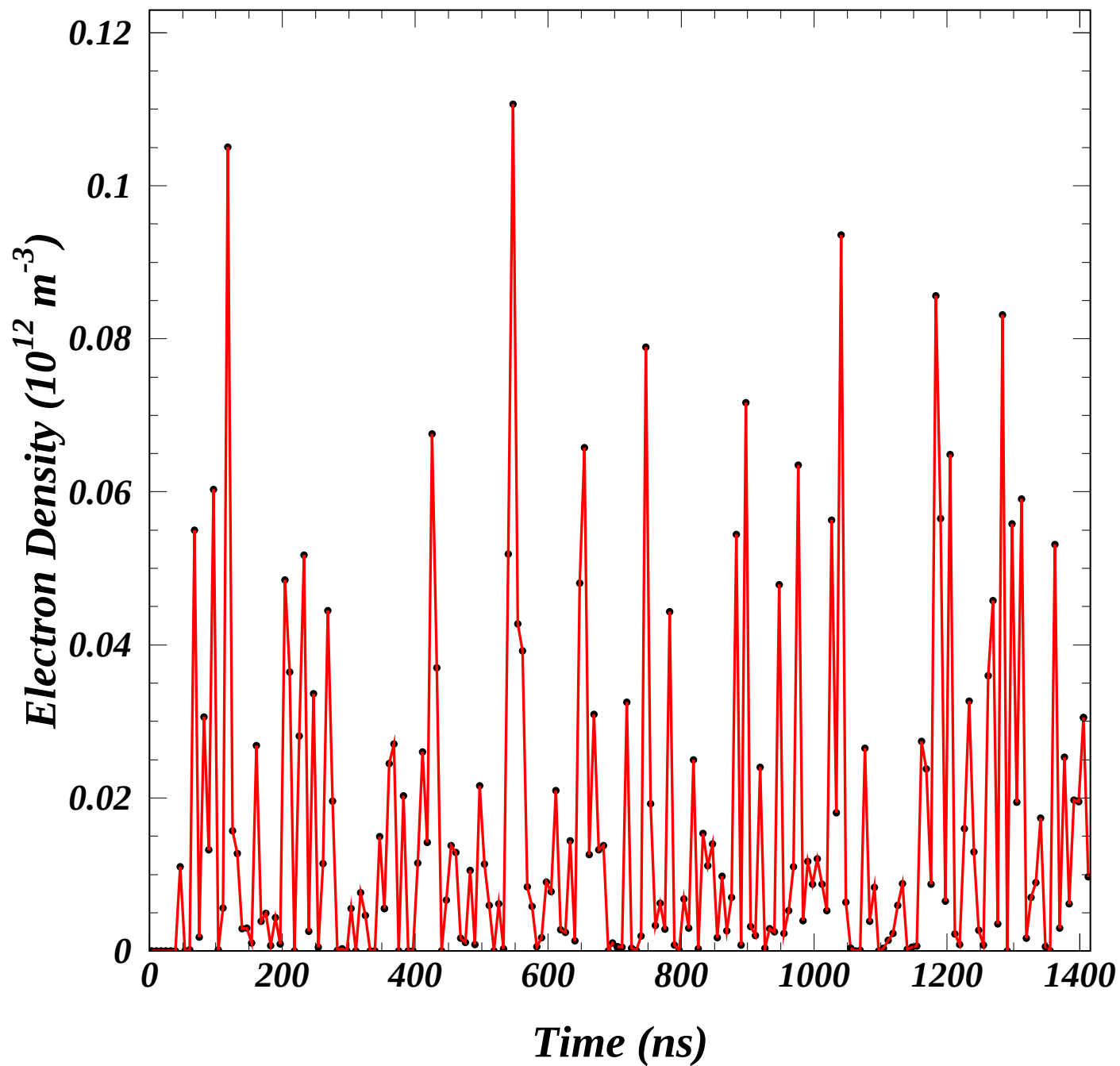
Beampipe-averaged Cloud Density (10^{12} m^{-3}) 10/03/09 15.11



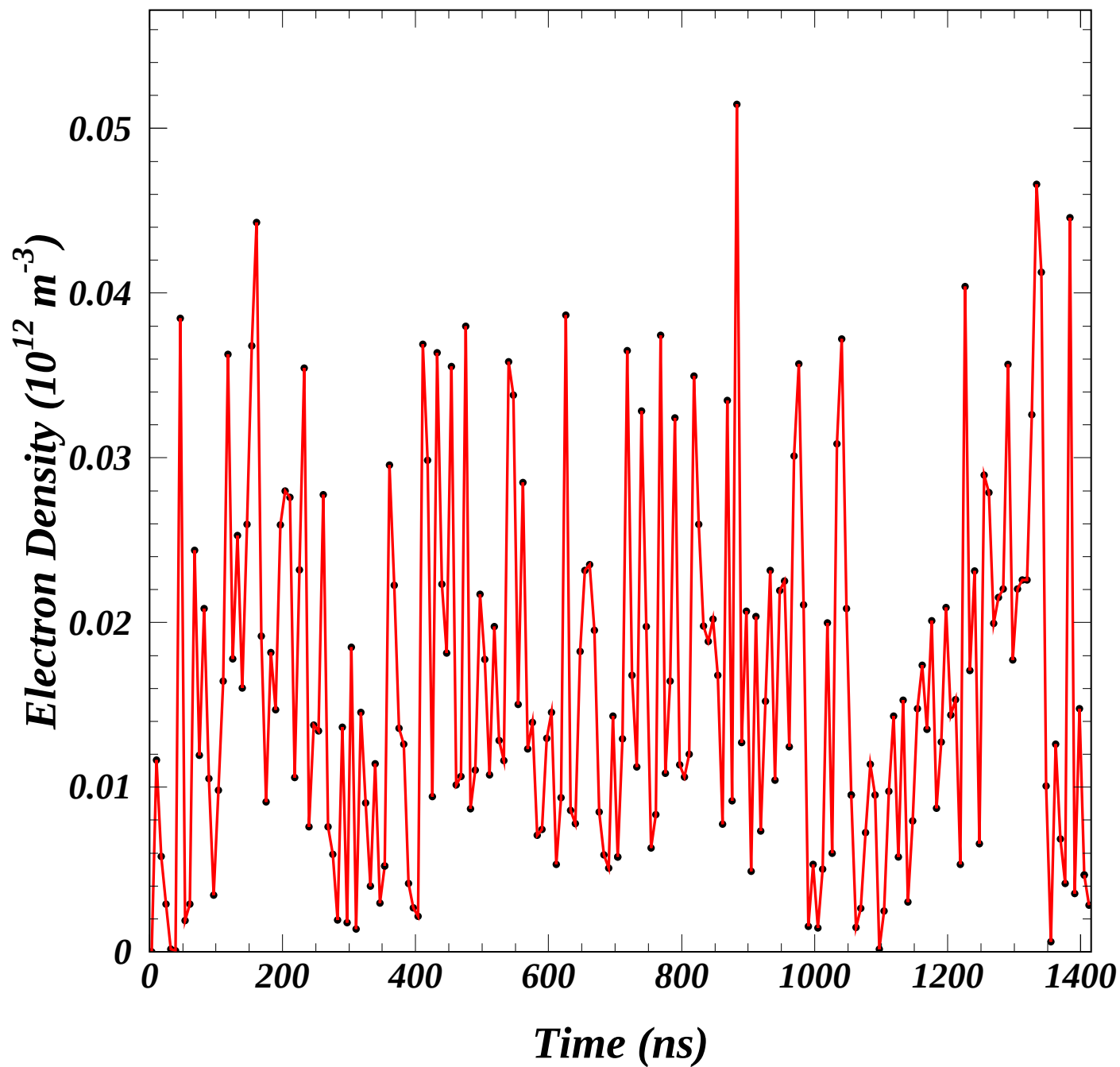
Macroparticle Statistics



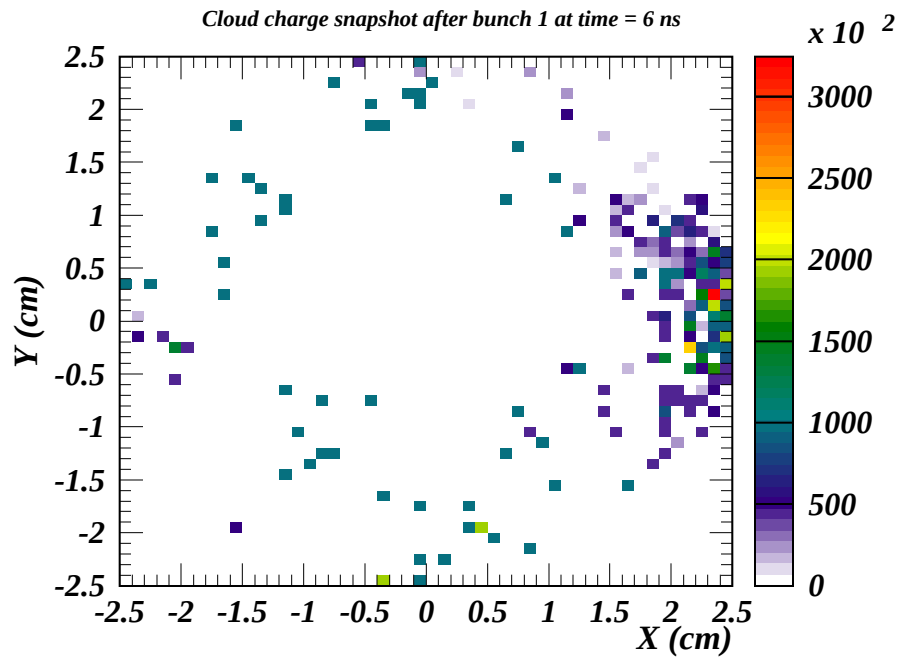
Beam-averaged Cloud Density (10^{12} m^{-3})

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

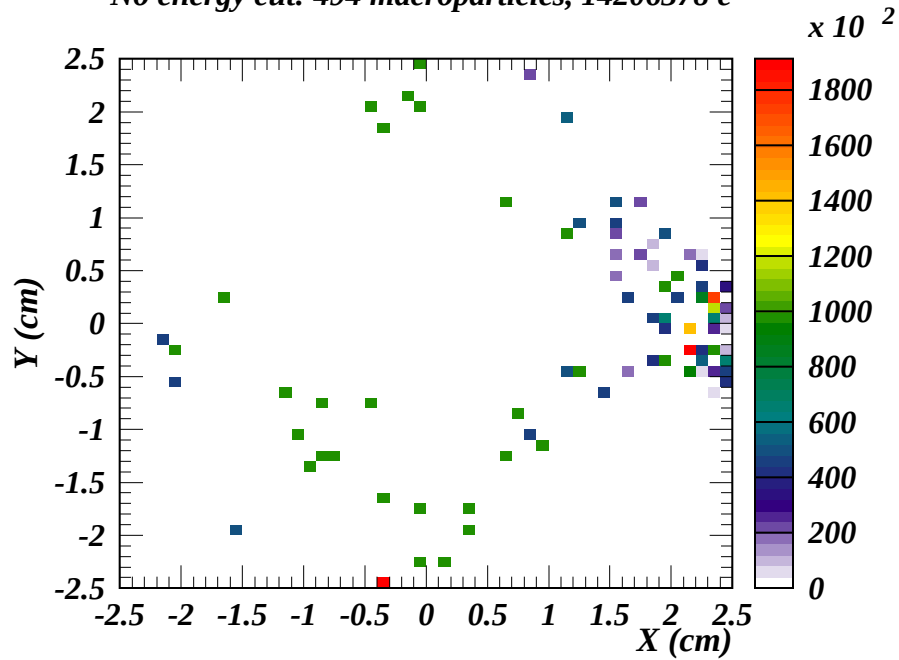
ECLLOUD-DR20100308_64_qua: Cloud Density in Central Grid Cell (10^{12} m^{-3})



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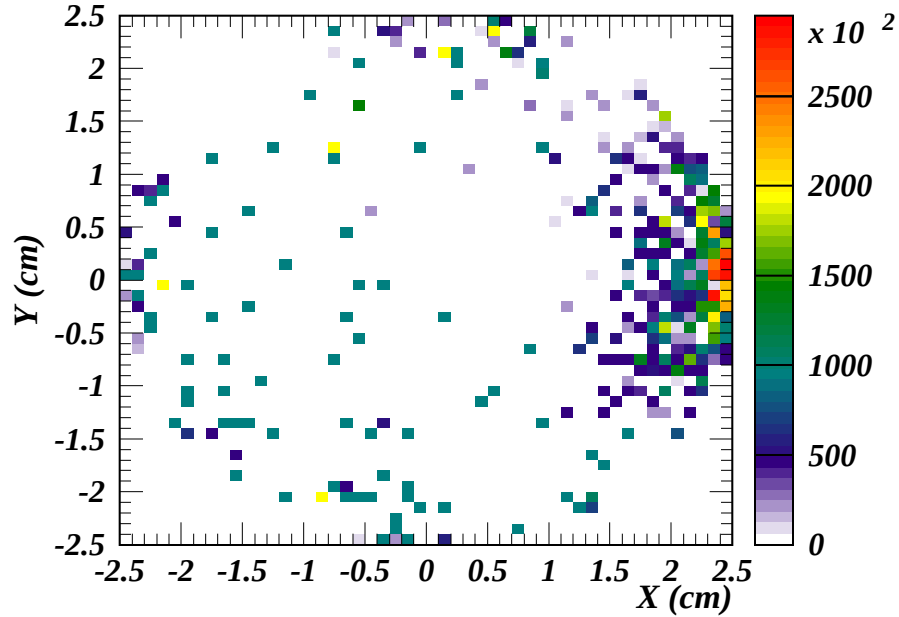
No energy cut: 494 macroparticles, 14206378 e-



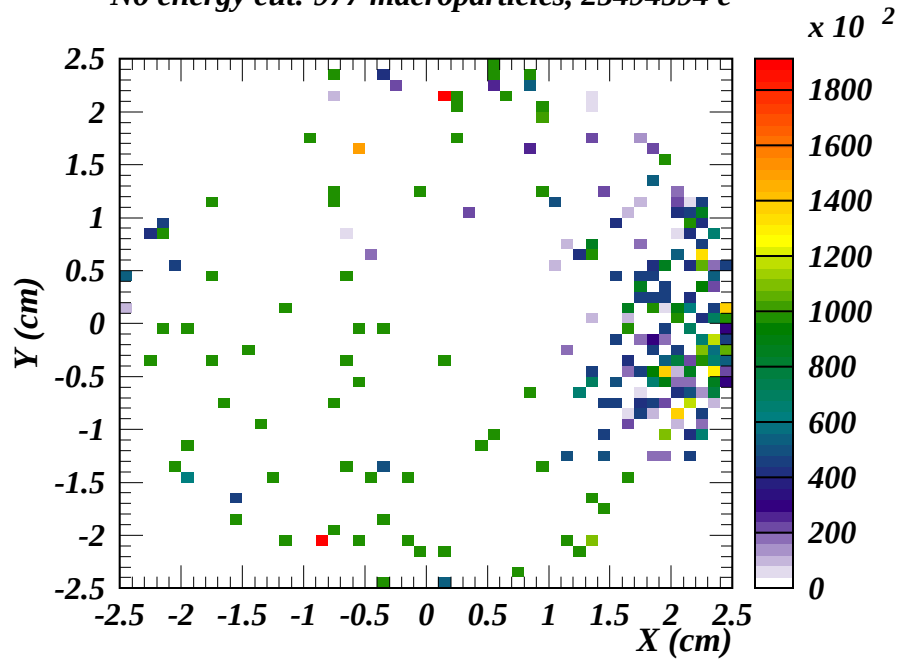
$E_{kin} > 10 \text{ eV}$: 101 macroparticles, 5.39997e+06 e-

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Cloud charge snapshot after bunch 2 at time = 12 ns

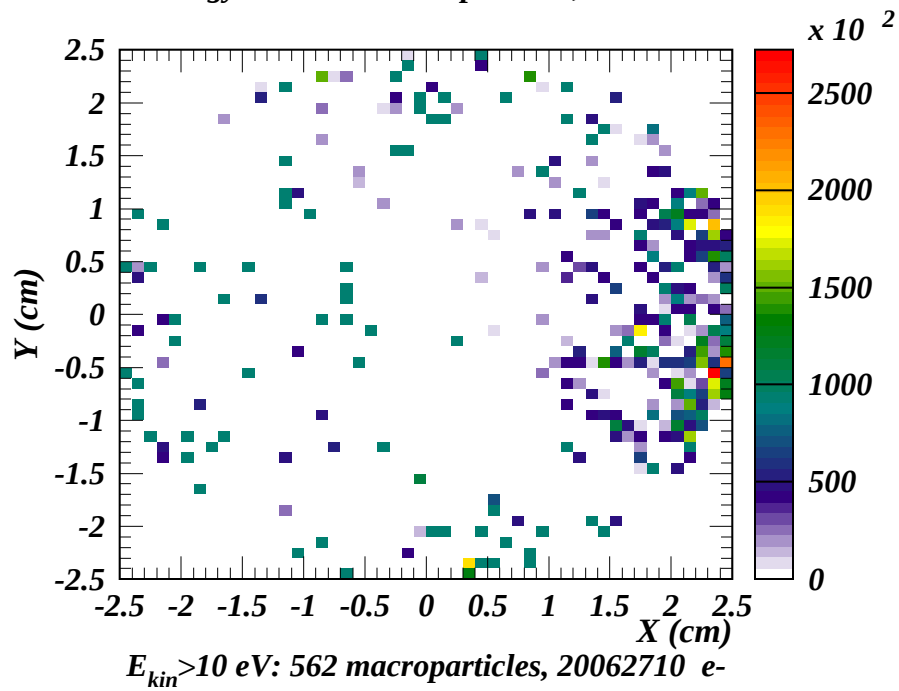
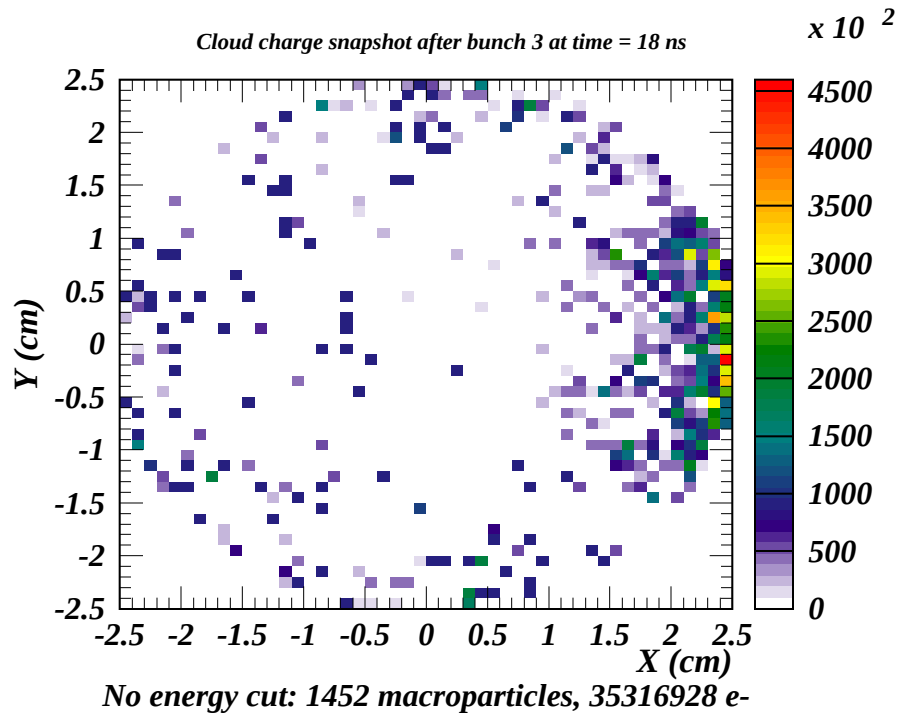


No energy cut: 977 macroparticles, 25494594 e-

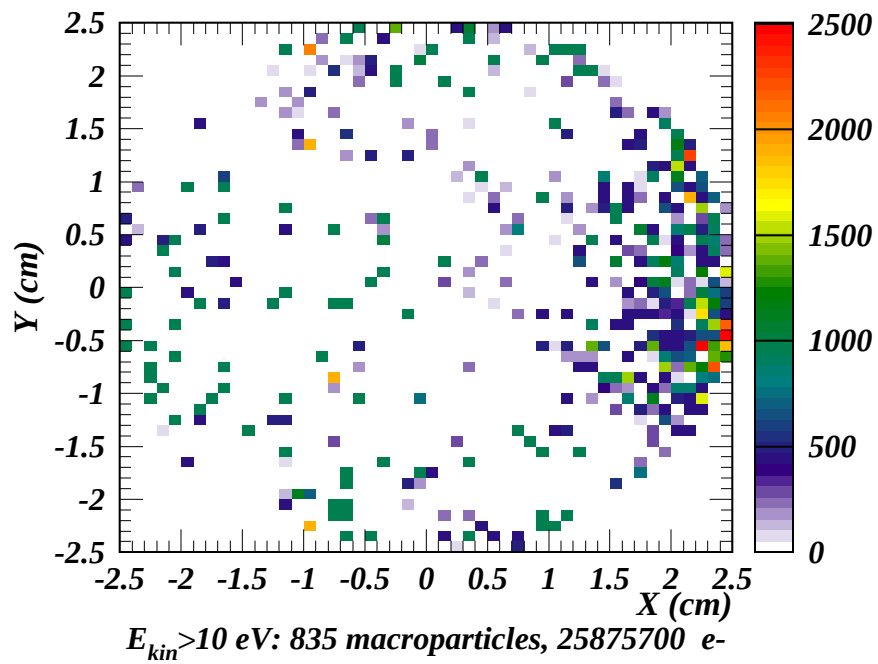
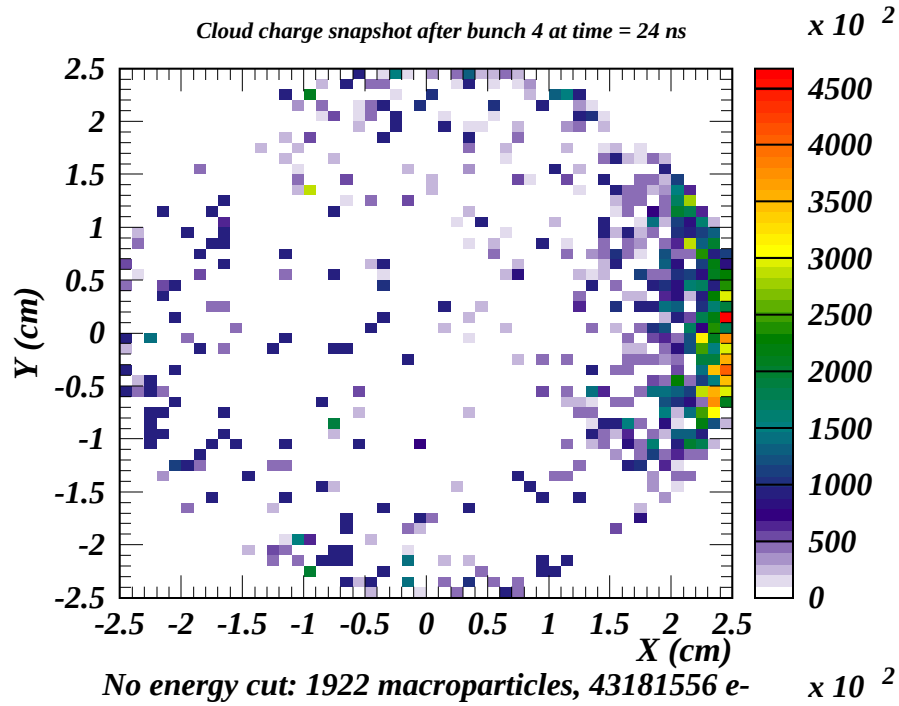


$E_{kin} > 10$ eV: 311 macroparticles, 13805171 e-

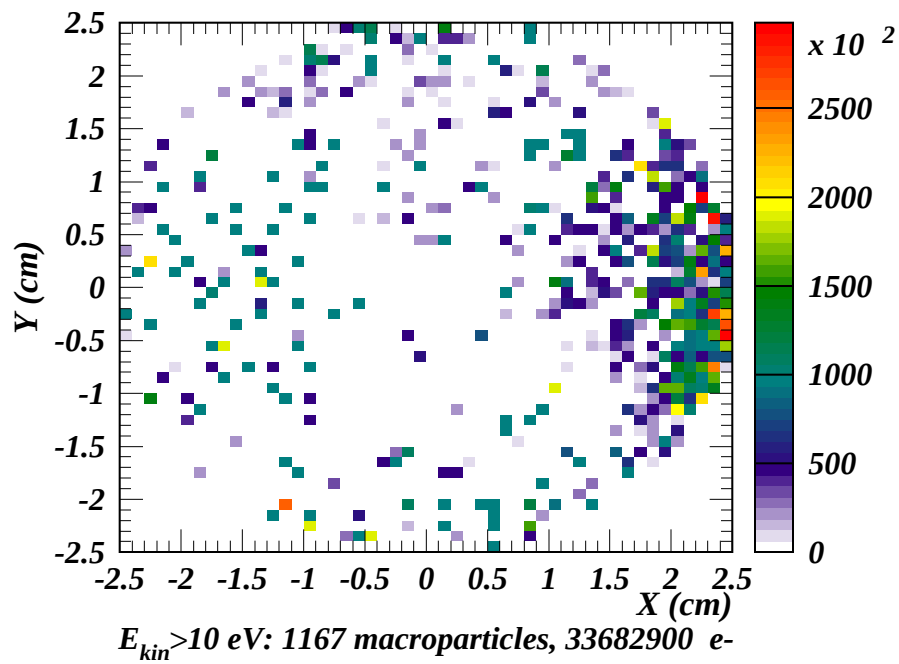
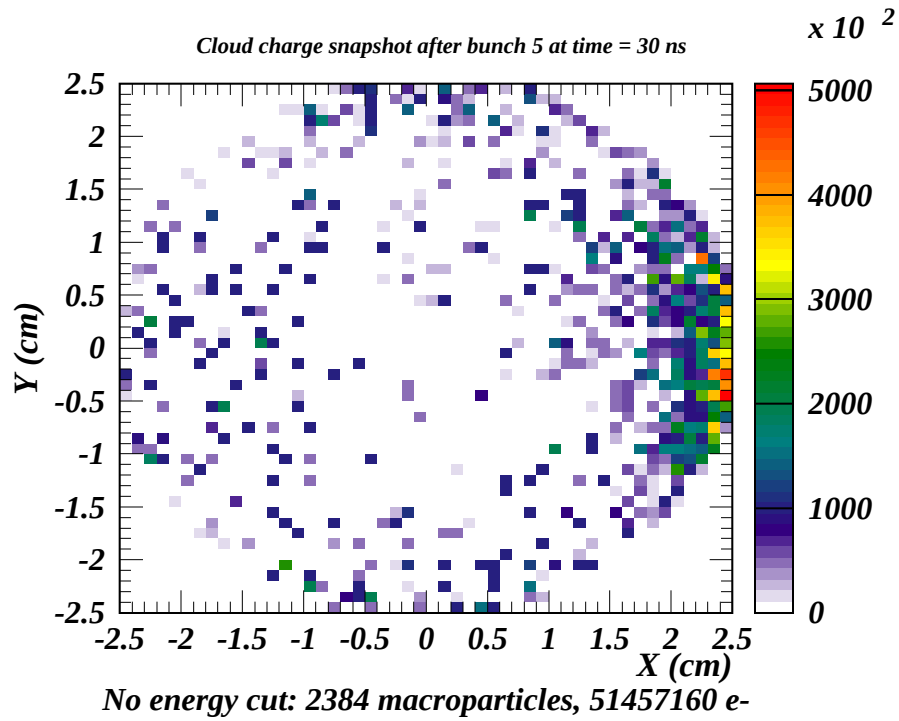
10/03/09 15.11



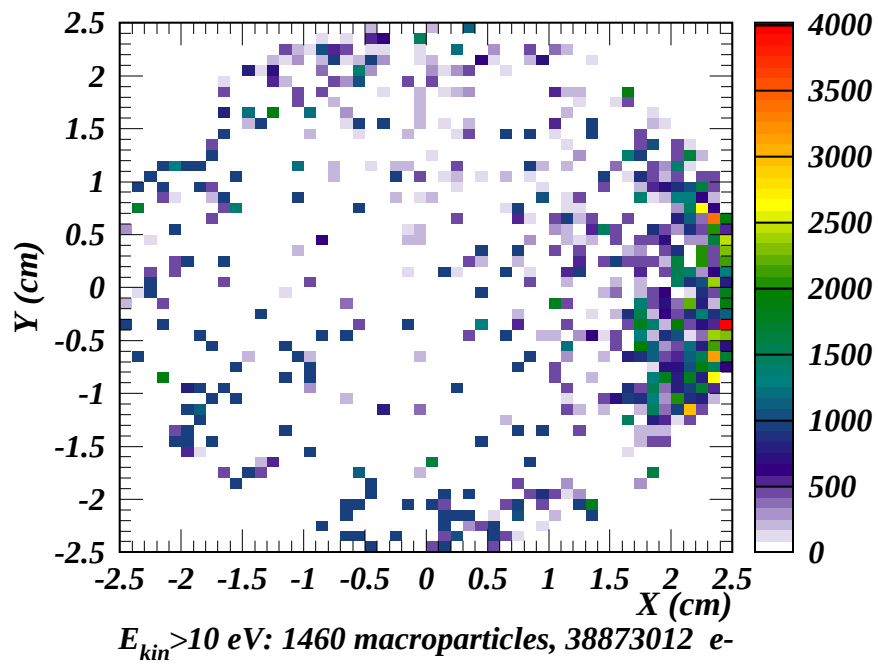
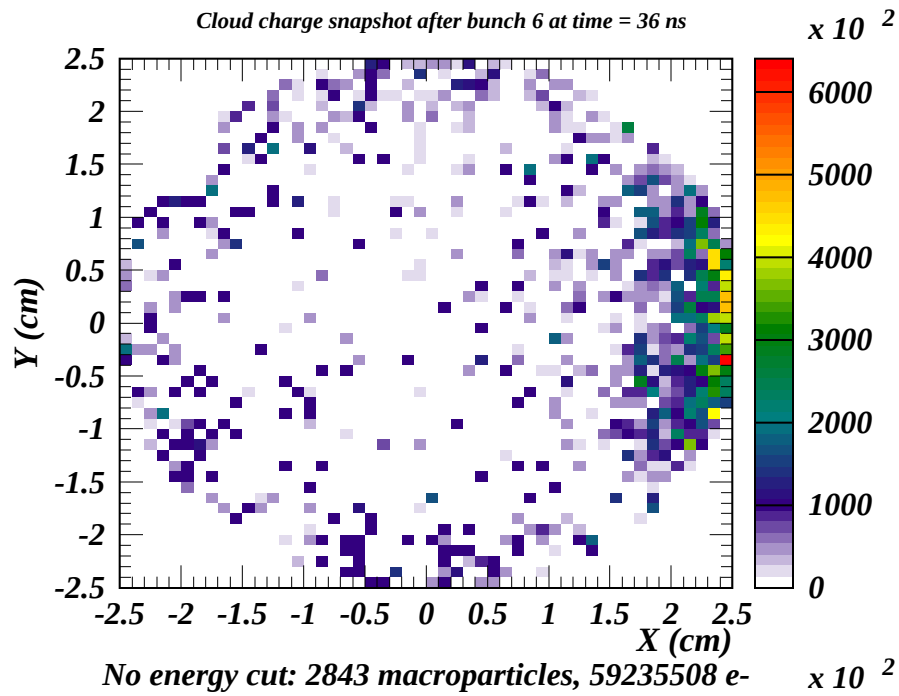
10/03/09 15.11



10/03/09 15.11

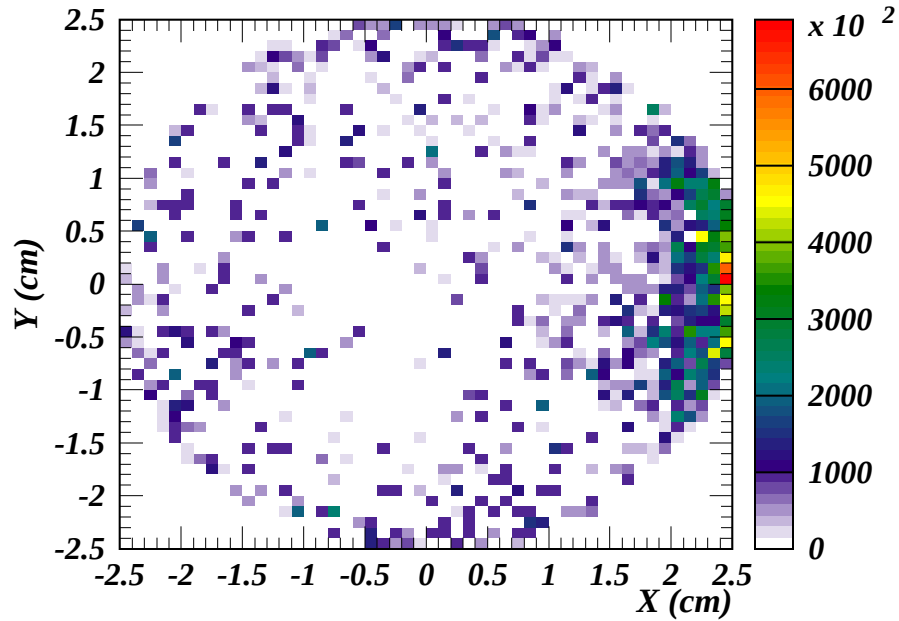


10/03/09 15.11

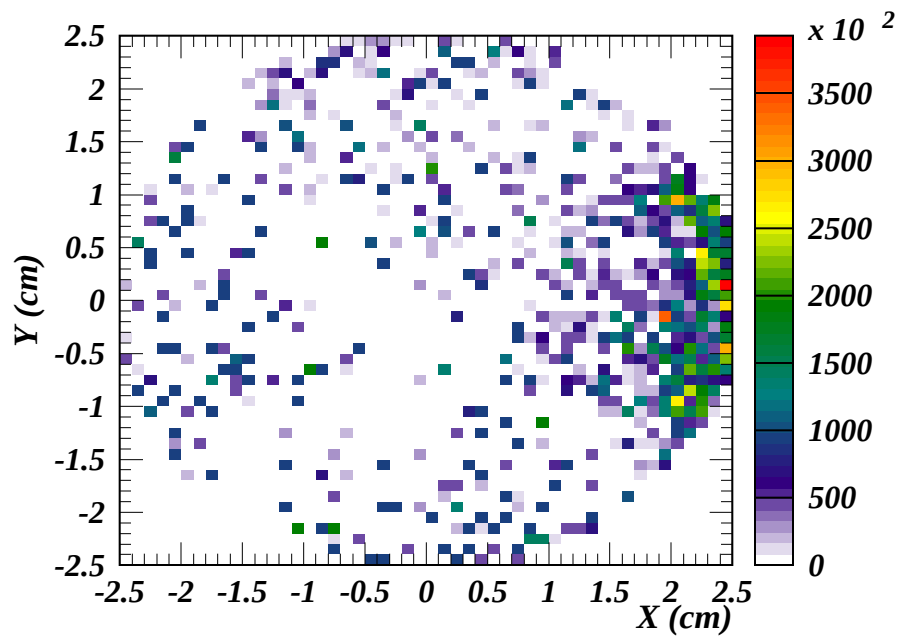


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Cloud charge snapshot after bunch 7 at time = 42 ns



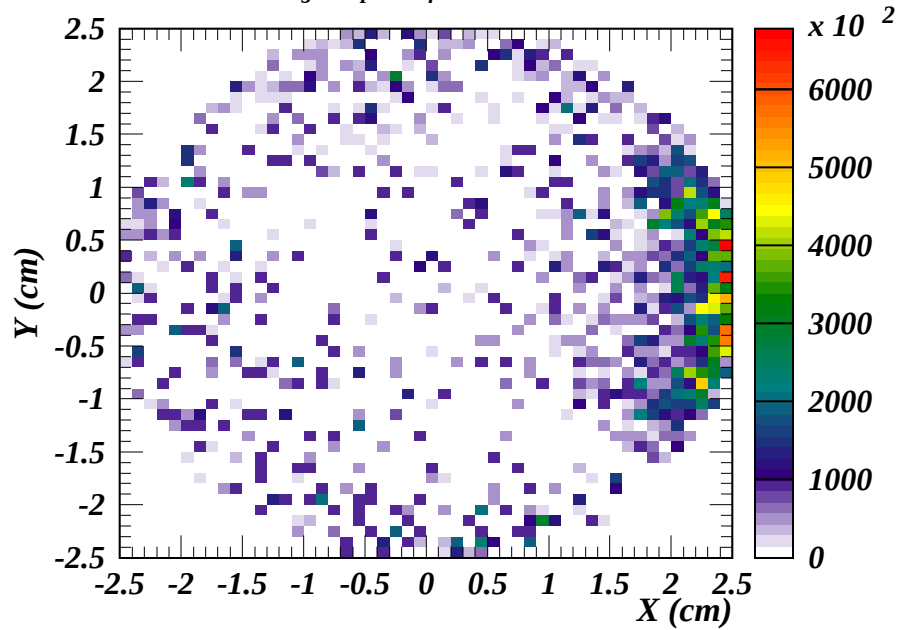
No energy cut: 3313 macroparticles, 66385504 e⁻



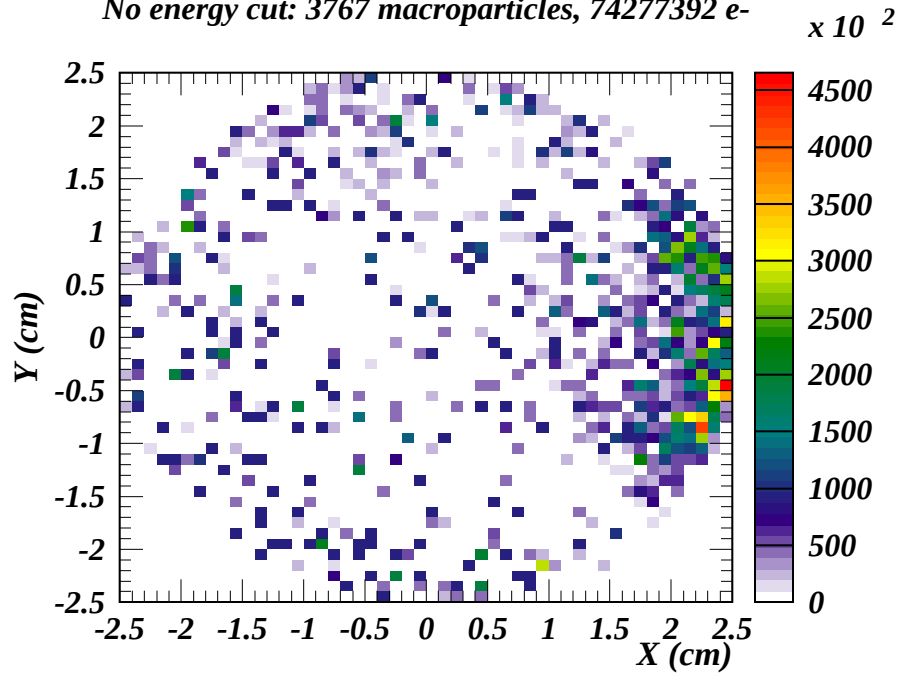
$E_{kin} > 10$ eV: 1747 macroparticles, 43471848 e⁻

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Cloud charge snapshot after bunch 8 at time = 48 ns

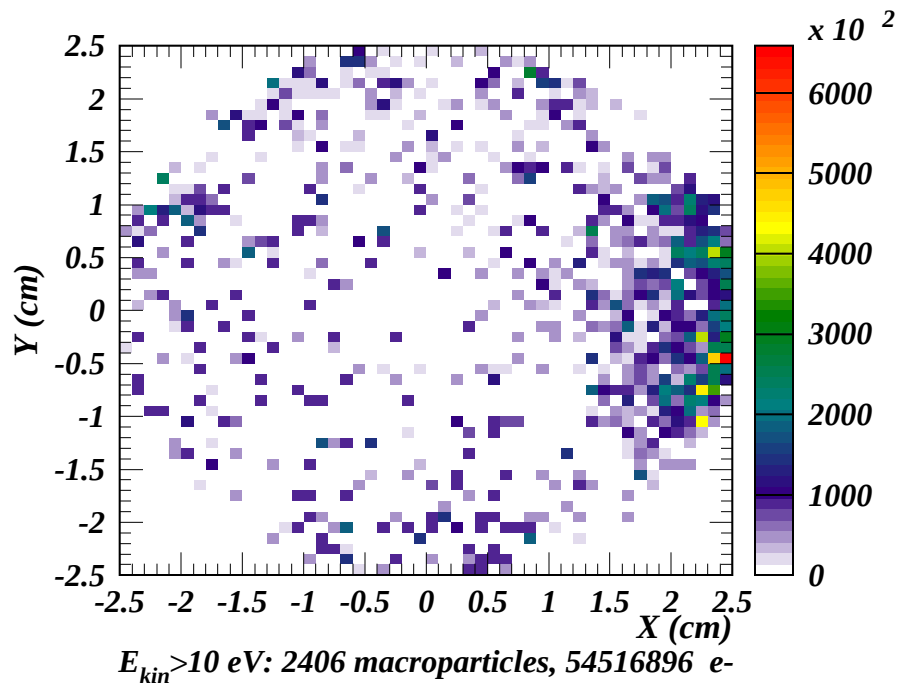
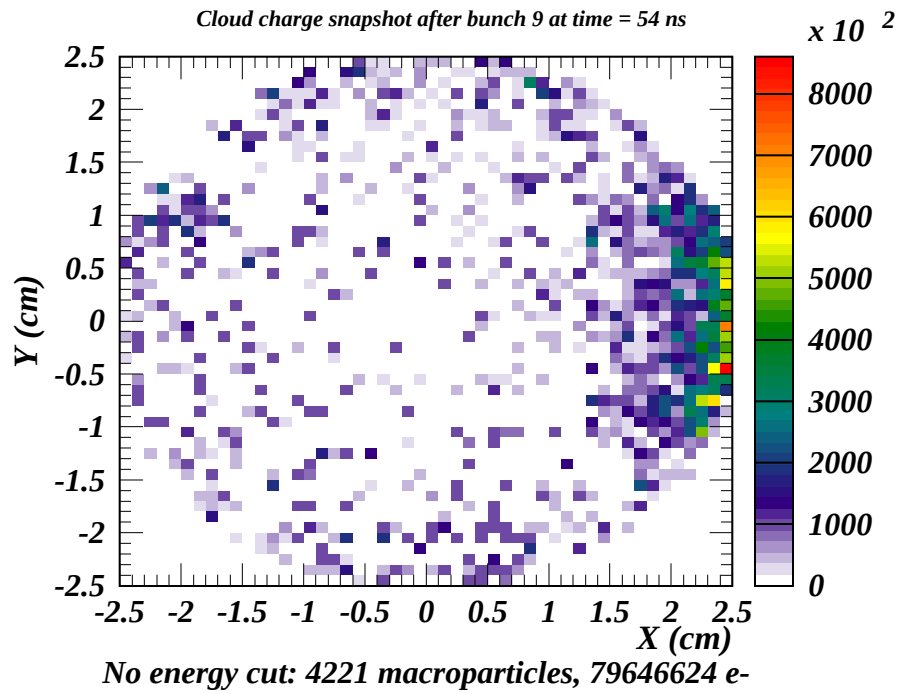


No energy cut: 3767 macroparticles, 74277392 e-



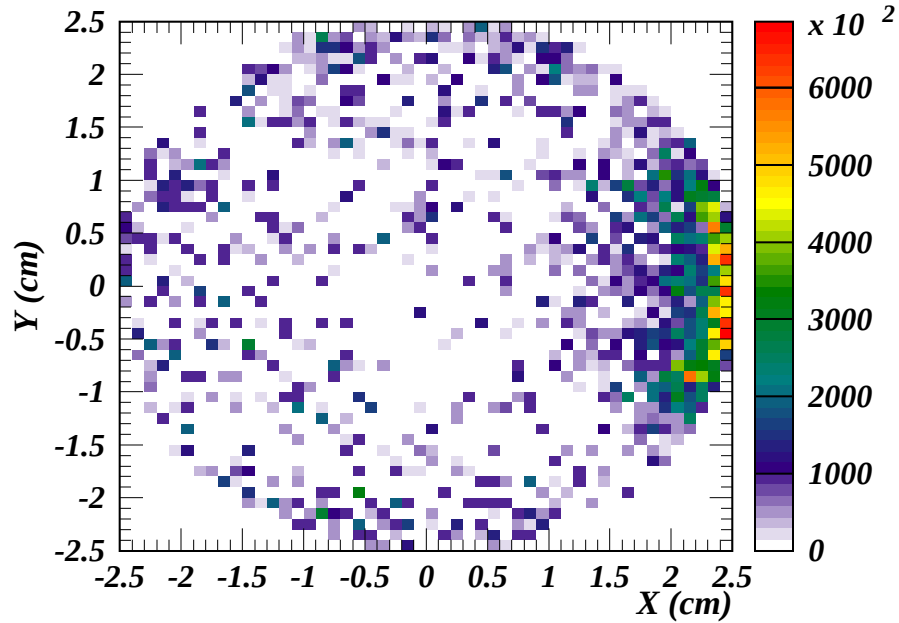
$E_{kin} > 10$ eV: 2095 macroparticles, 50458232 e-

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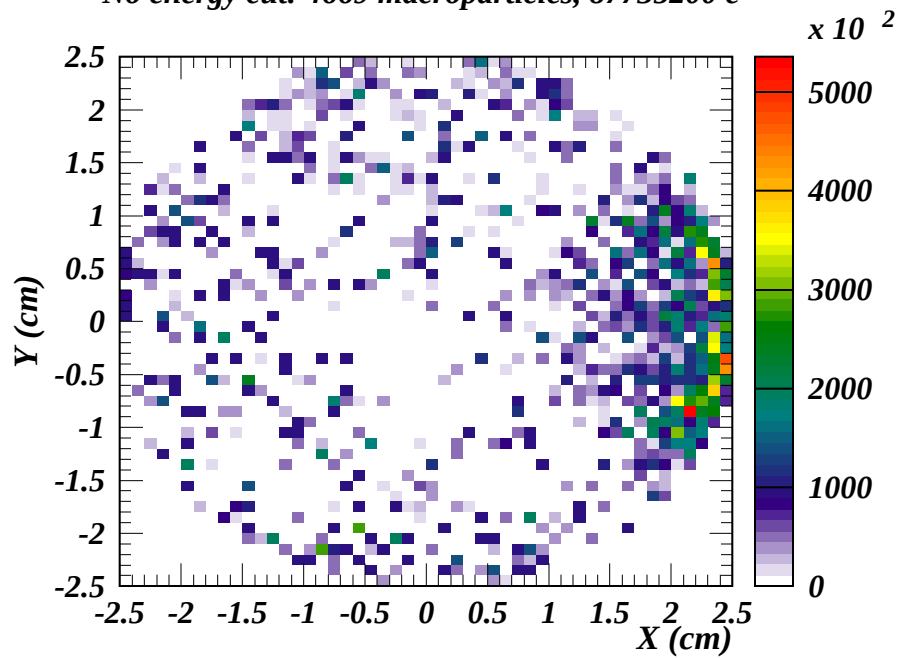


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Cloud charge snapshot after bunch 10 at time = 60 ns

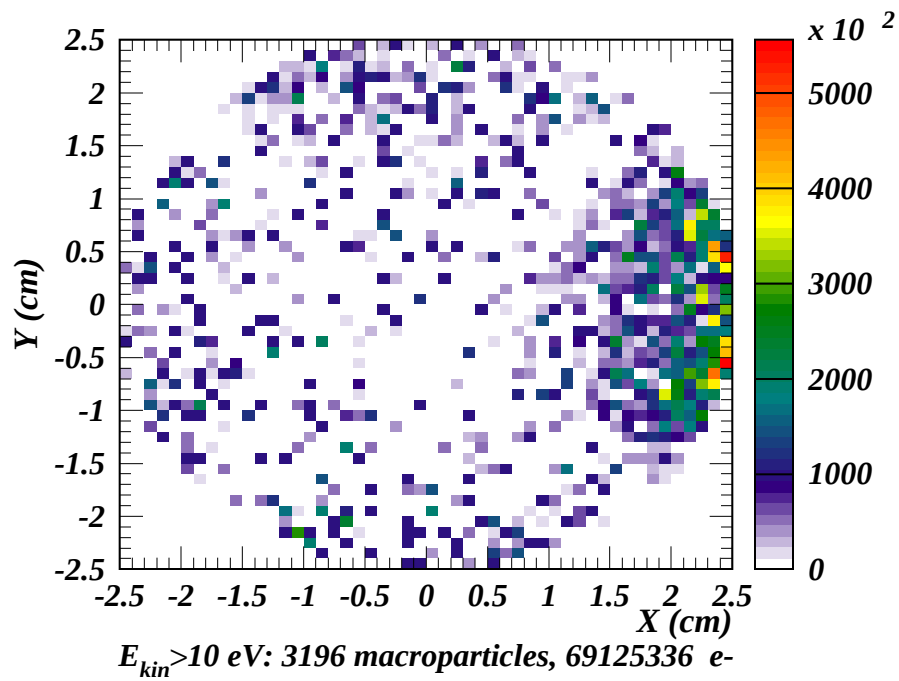
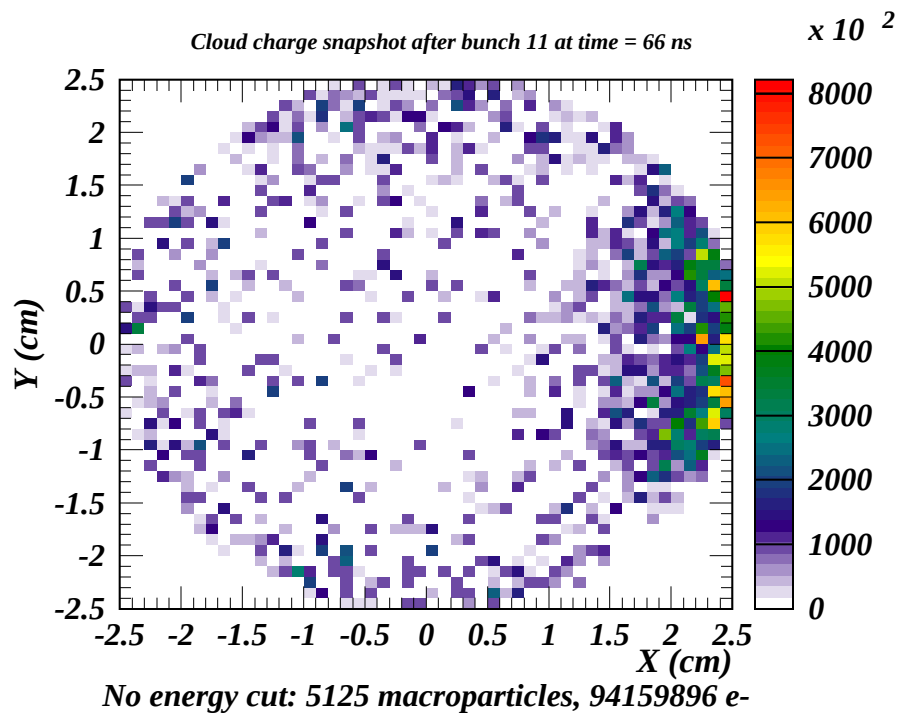


No energy cut: 4669 macroparticles, 87735200 e-



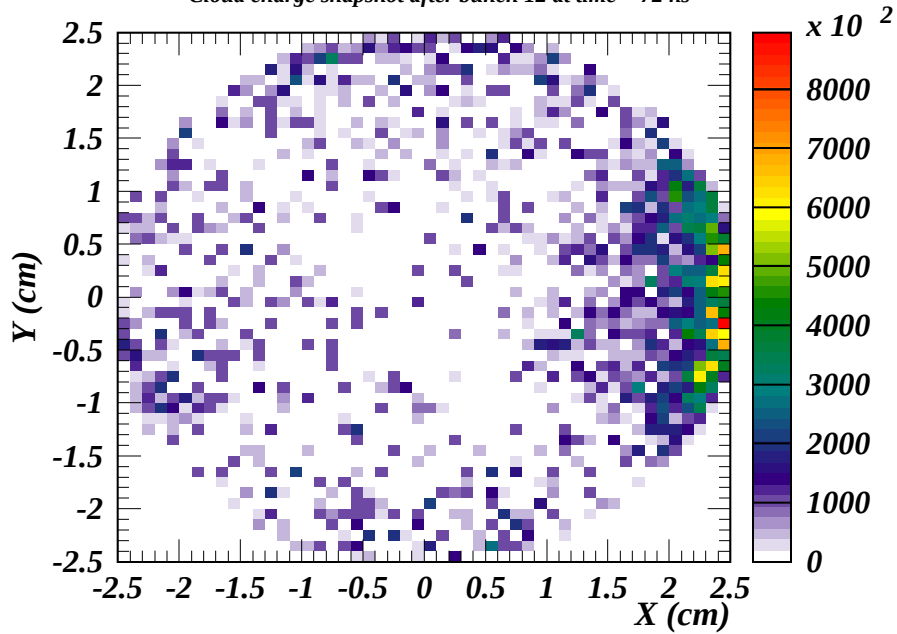
$E_{kin} > 10$ eV: 2801 macroparticles, 62738528 e-

10/03/09 15.11

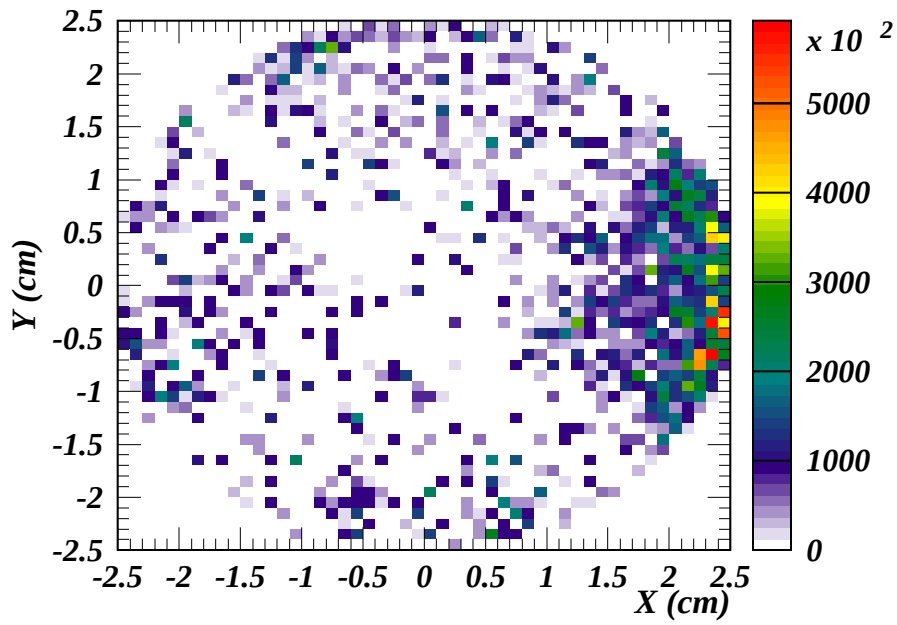


10/03/09 15.11

Cloud charge snapshot after bunch 12 at time = 72 ns

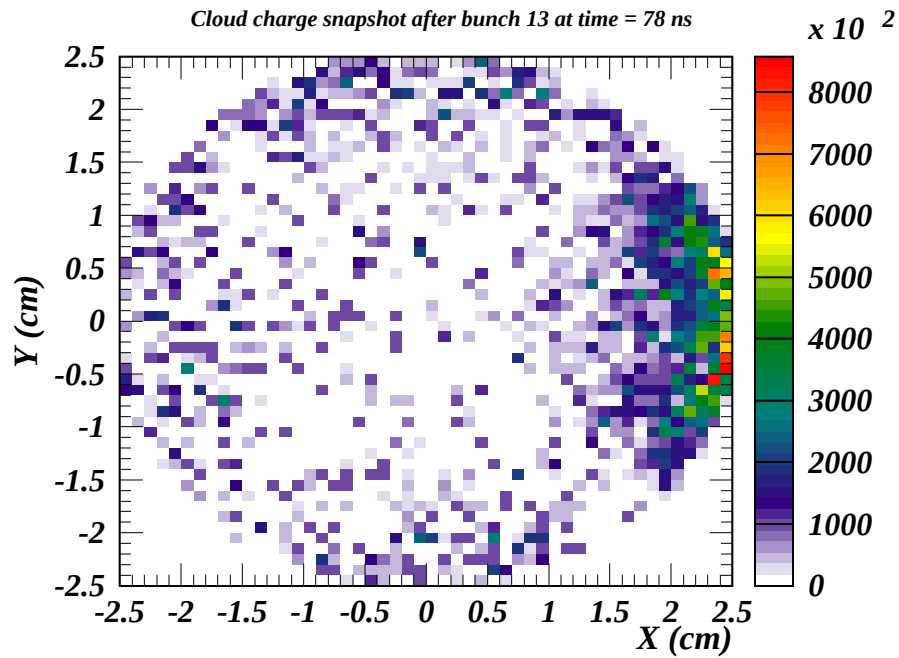


No energy cut: 5569 macroparticles, 99778976 e-

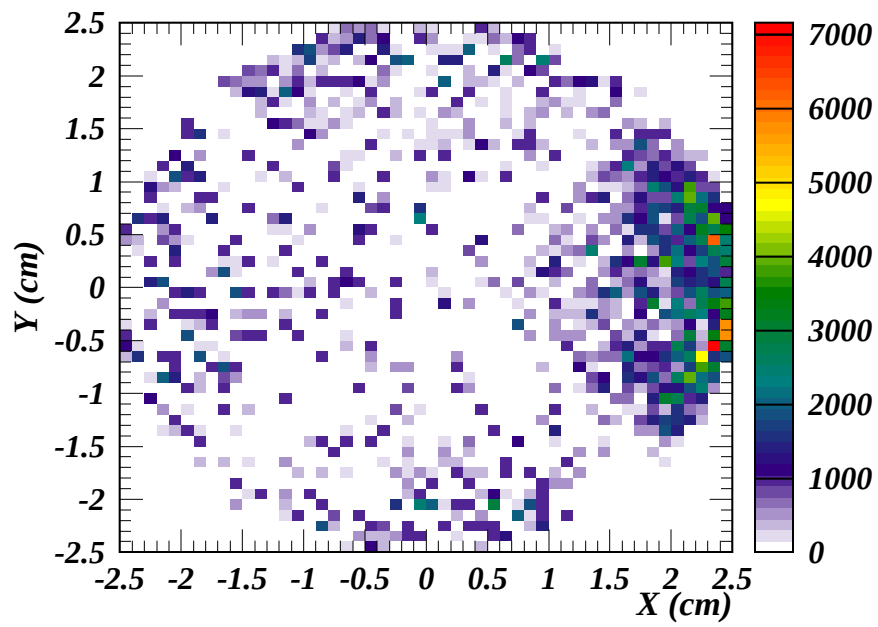


$E_{kin} > 10$ eV: 3532 macroparticles, 74483872 e-

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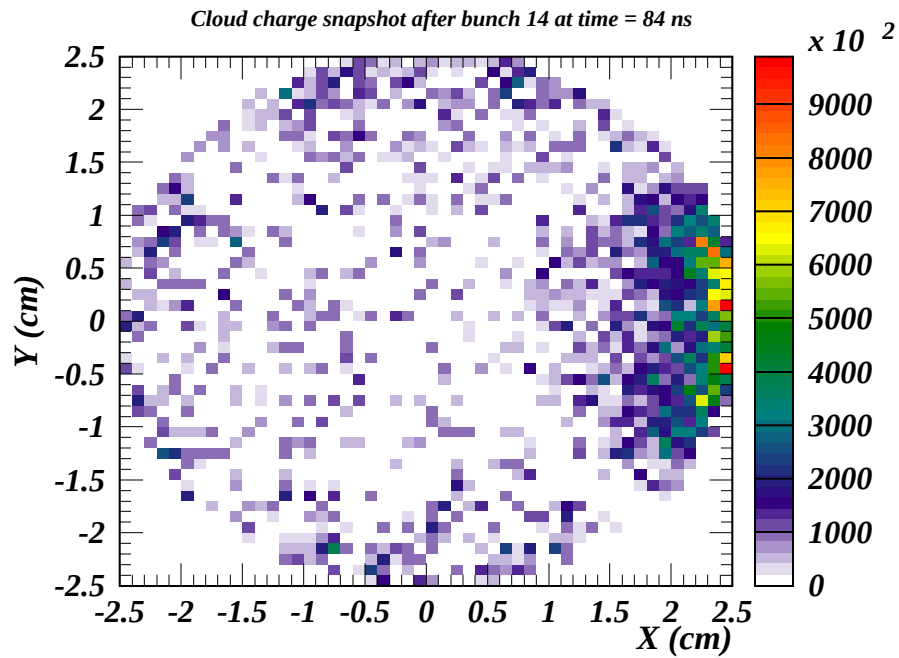


No energy cut: 6013 macroparticles, 105266360 e^- $\times 10^2$

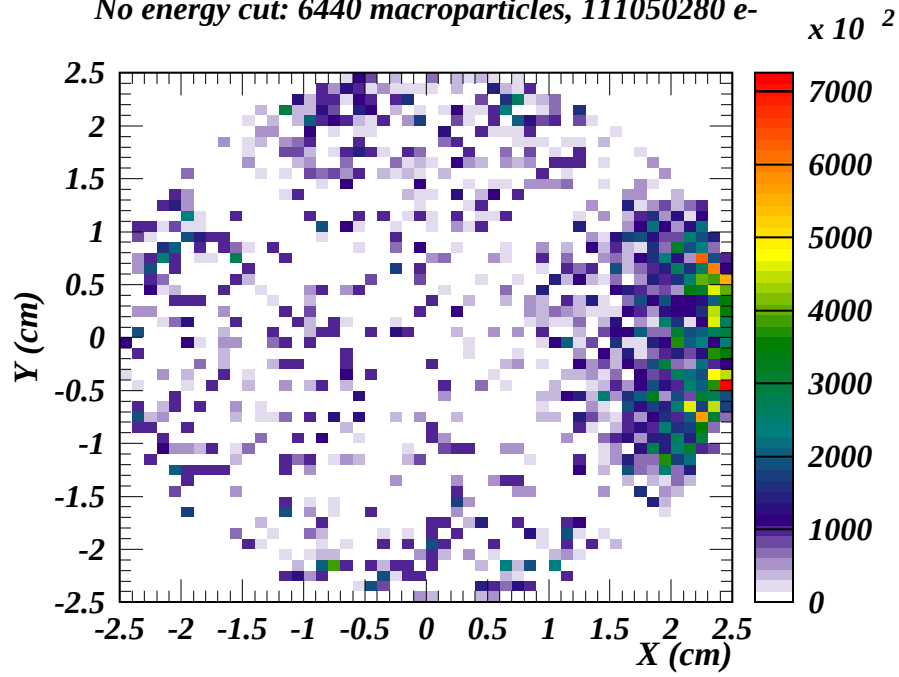


$E_{kin} > 10$ eV: 3831 macroparticles, 78720688 e^-

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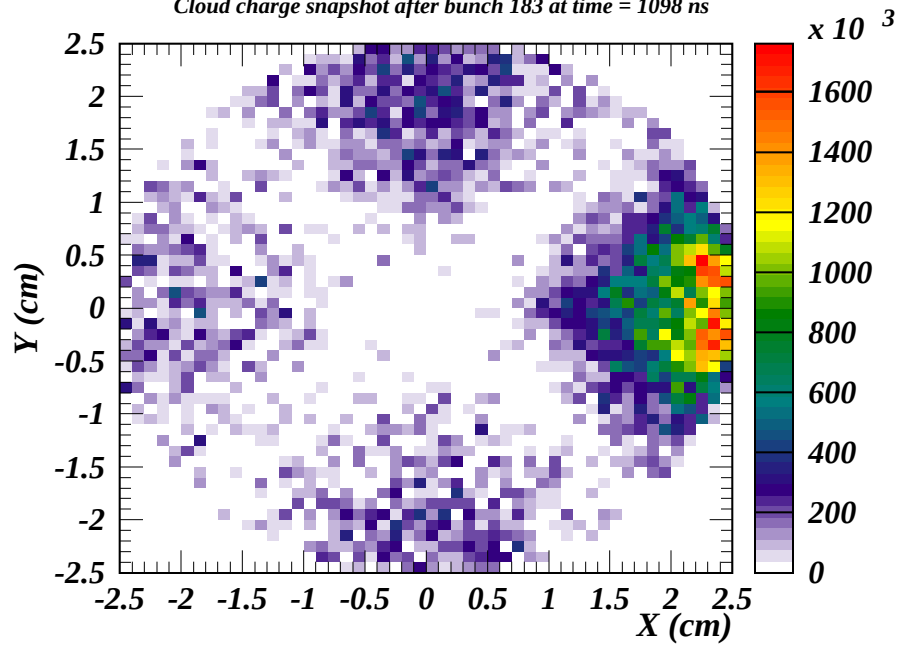
No energy cut: 6440 macroparticles, 111050280 e-



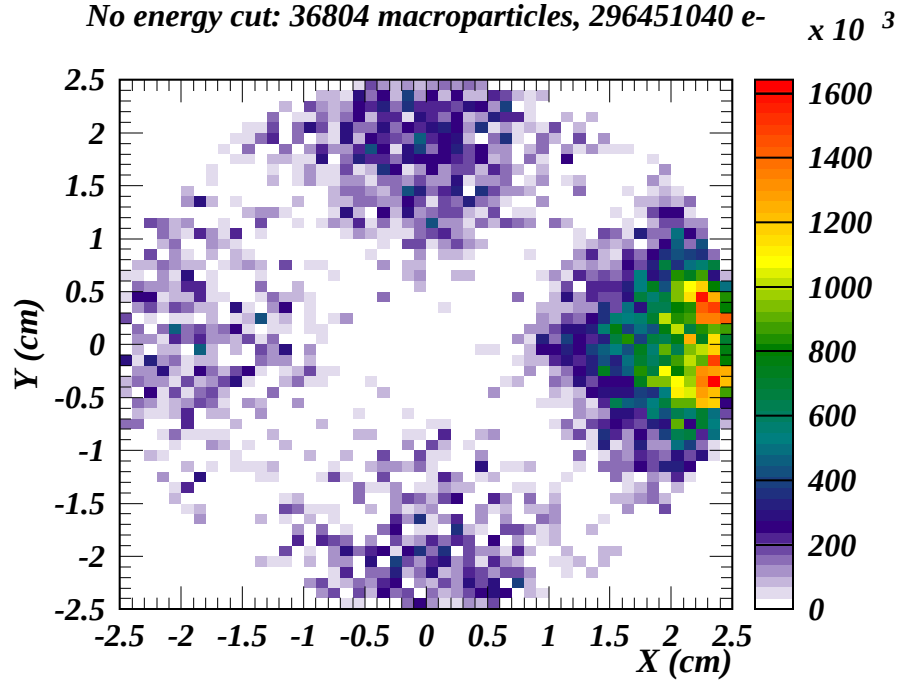
$E_{kin} > 10 \text{ eV}$: 4248 macroparticles, 85553344 e-

10/03/09 15.11

Cloud charge snapshot after bunch 183 at time = 1098 ns

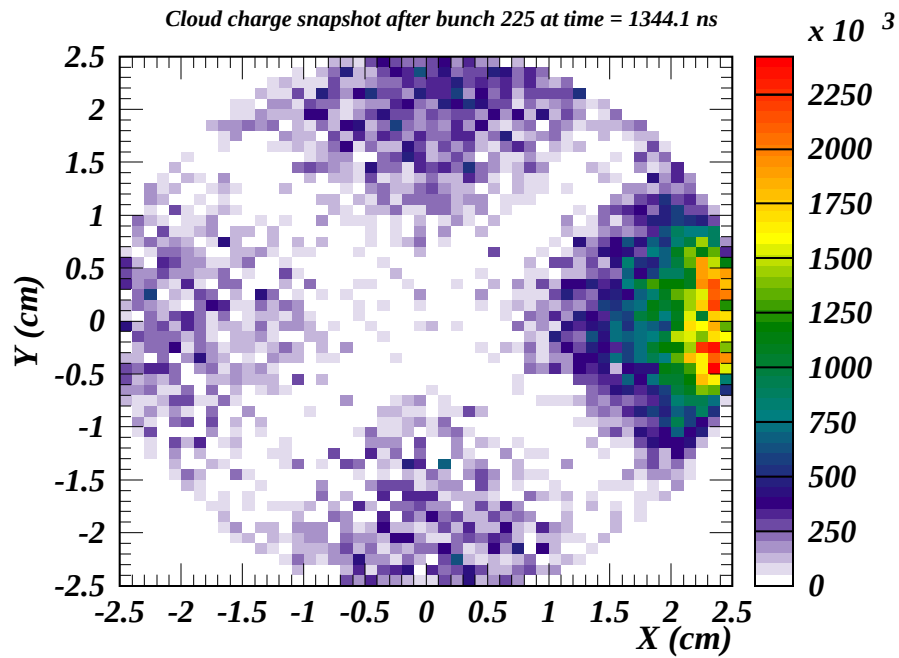


No energy cut: 36804 macroparticles, 296451040 e-

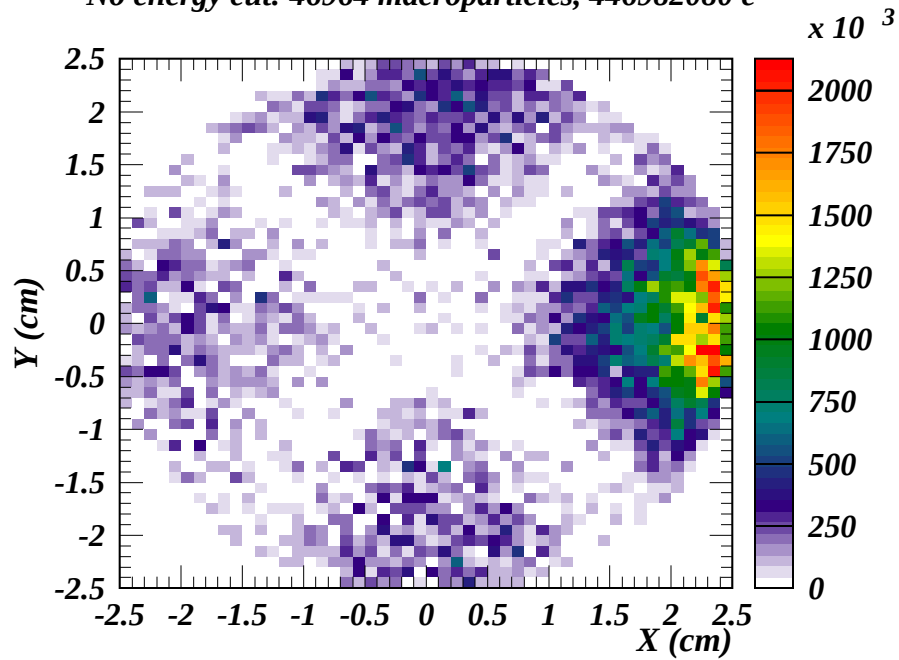


$E_{kin} > 10$ eV: 30613 macroparticles, 265591872 e-

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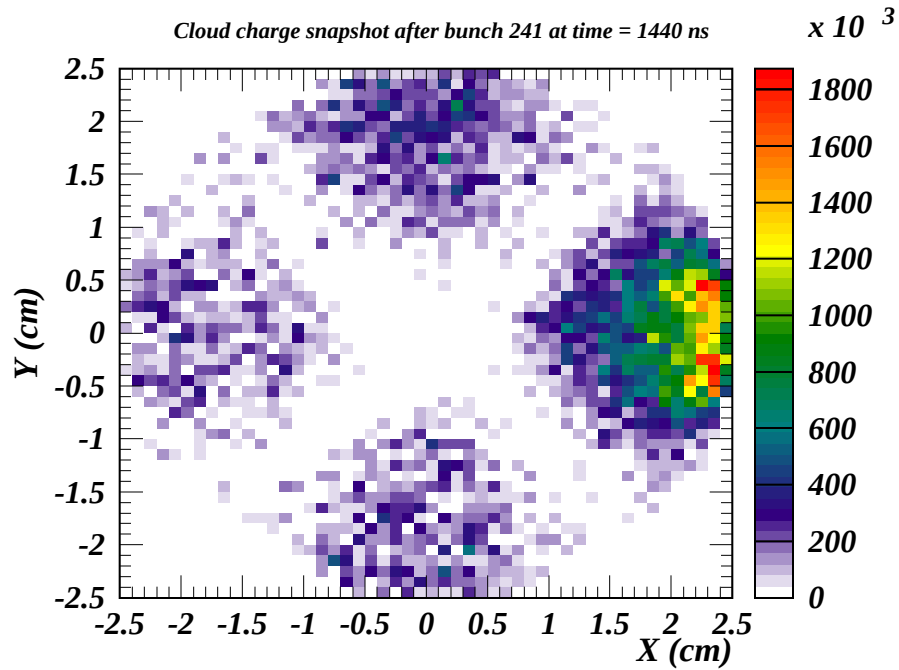


No energy cut: 46964 macroparticles, 446982080 e-

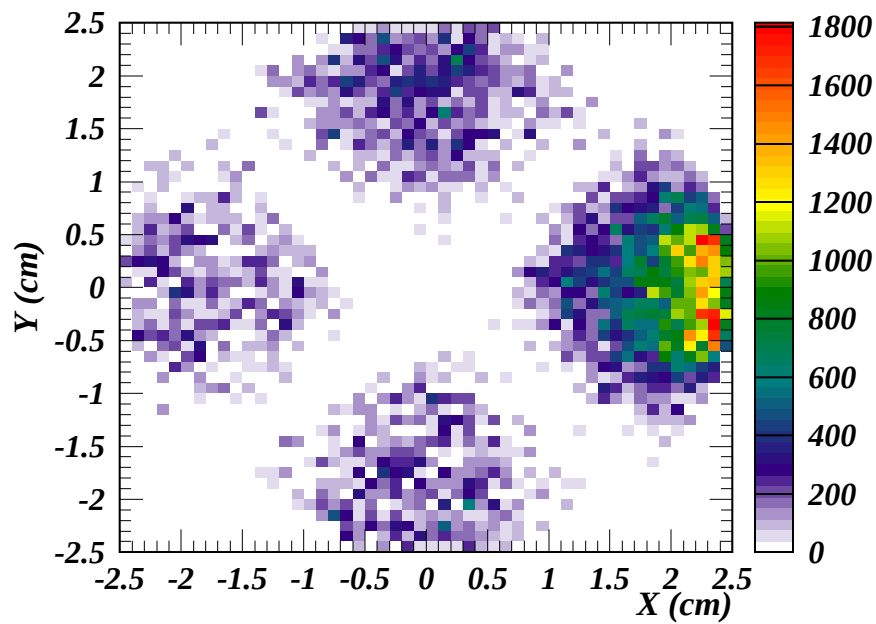


$E_{kin} > 10 \text{ eV}$: 41628 macroparticles, 390146080 e-

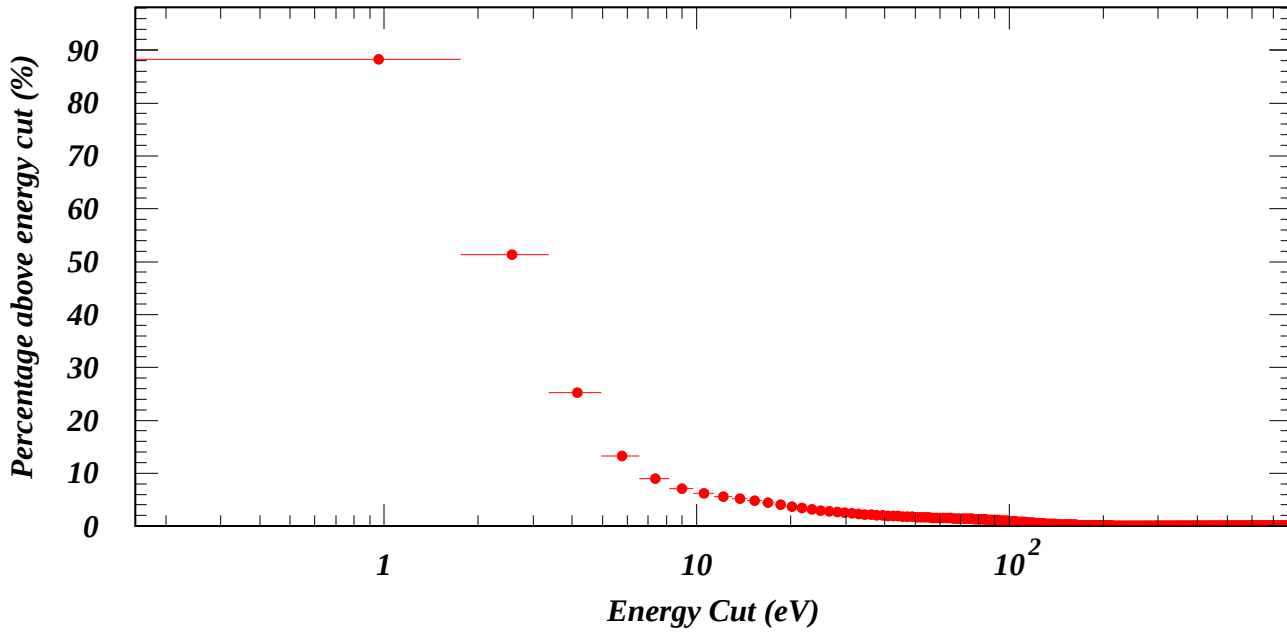
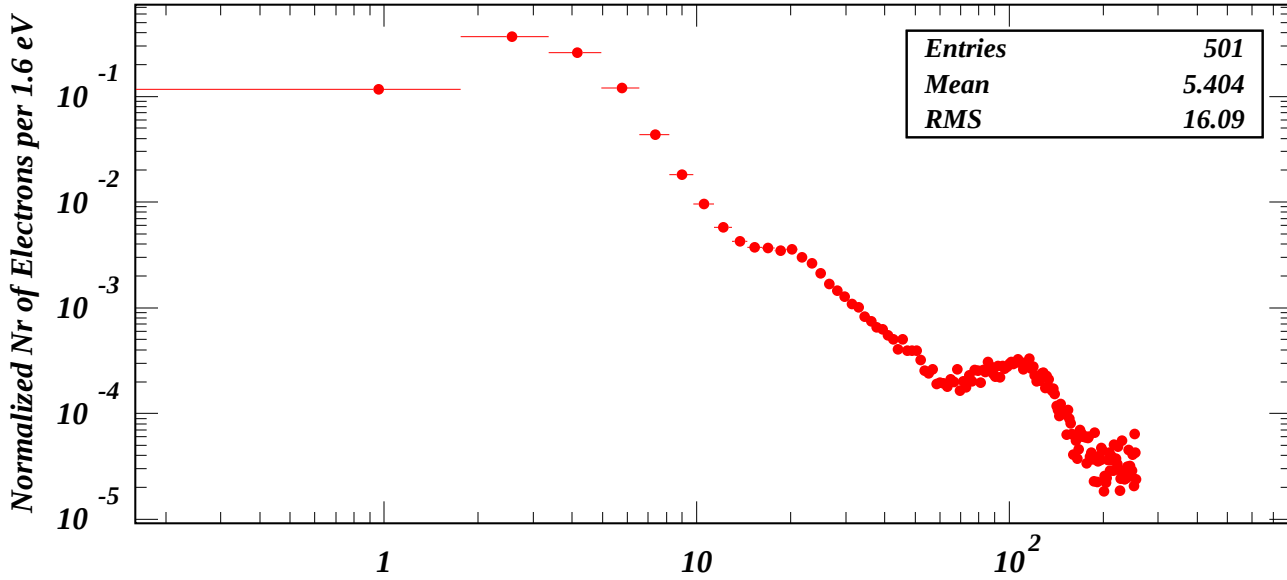
10/03/09 15.11

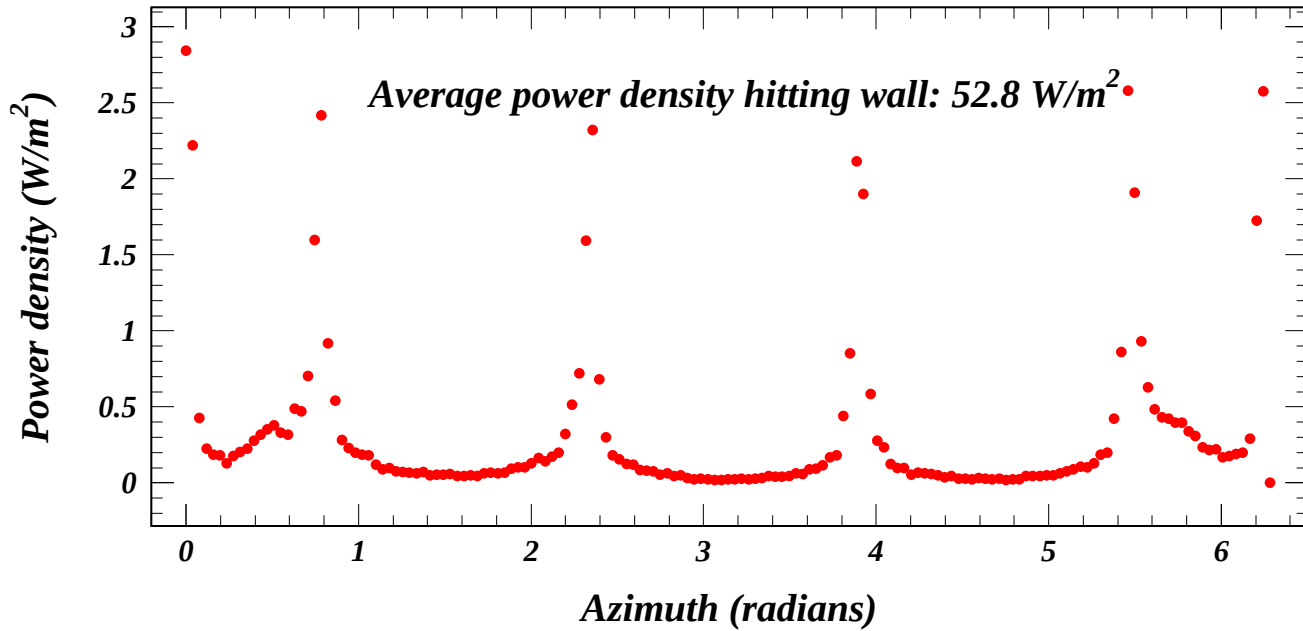
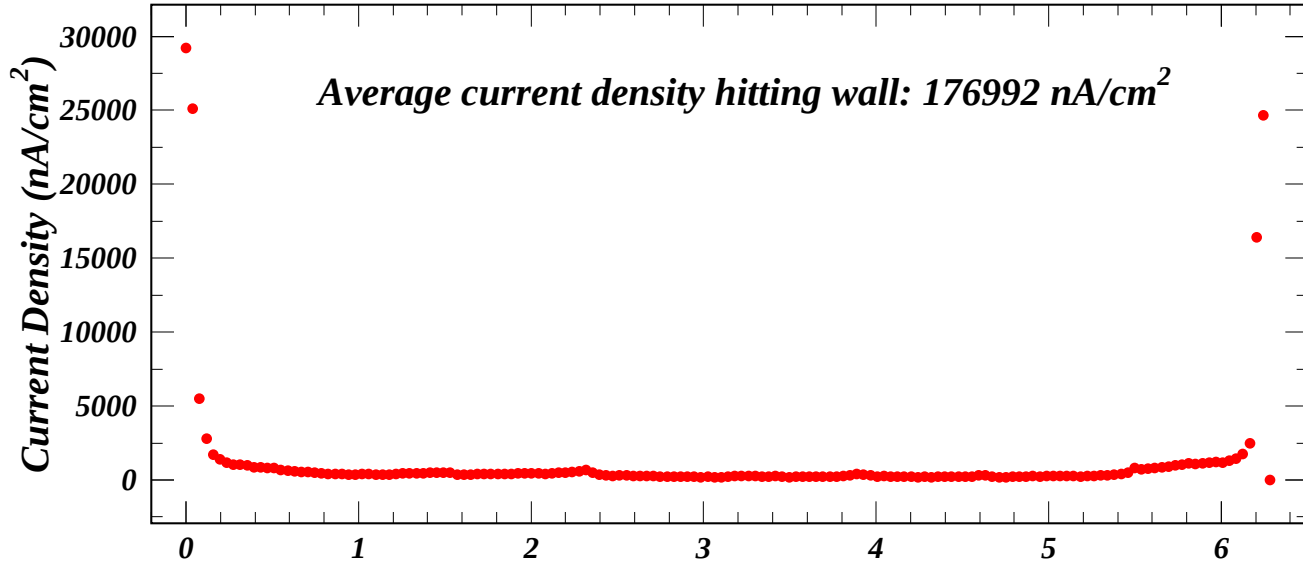


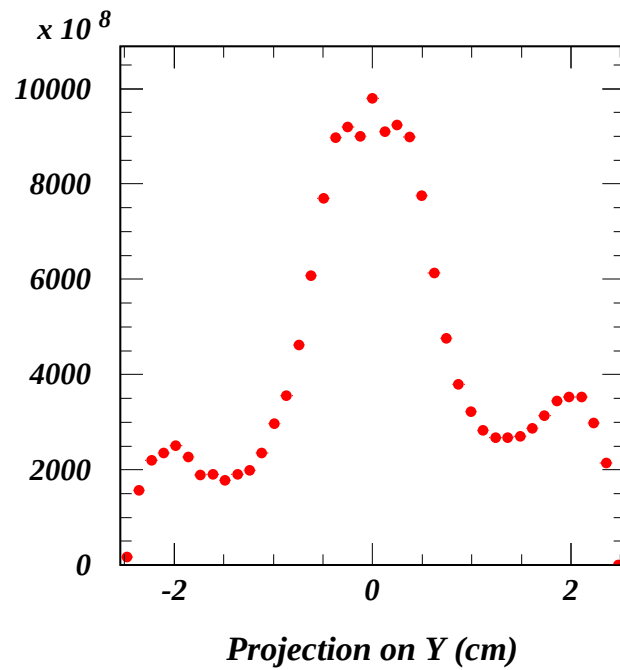
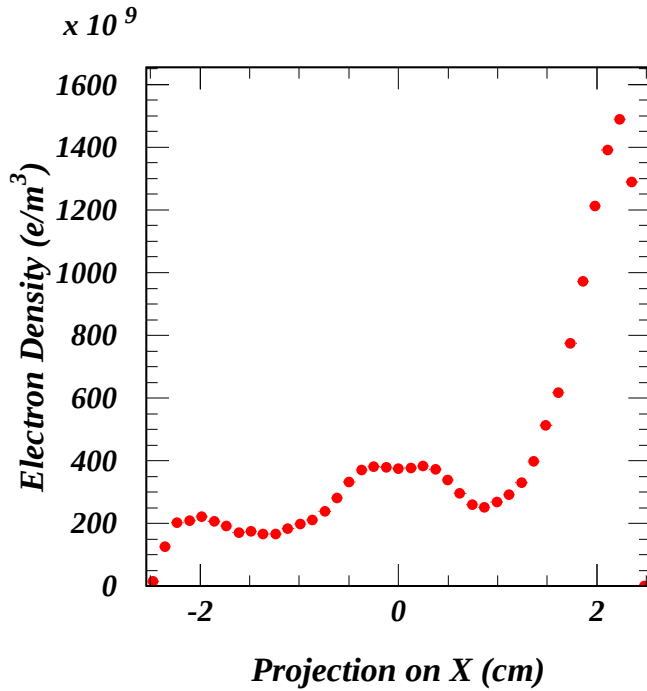
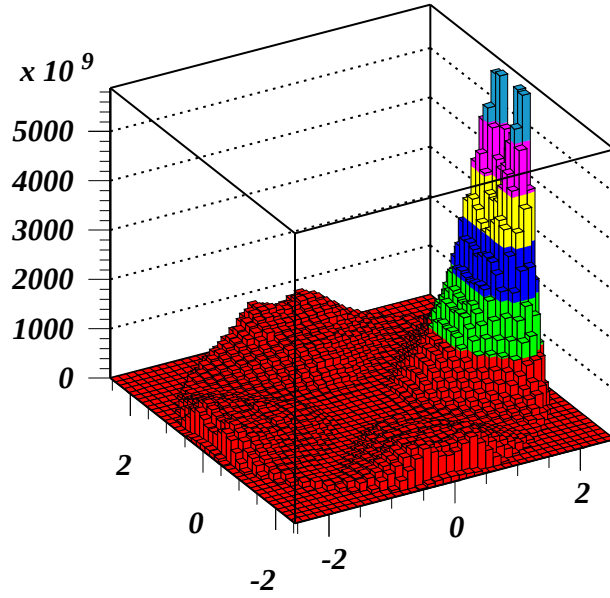
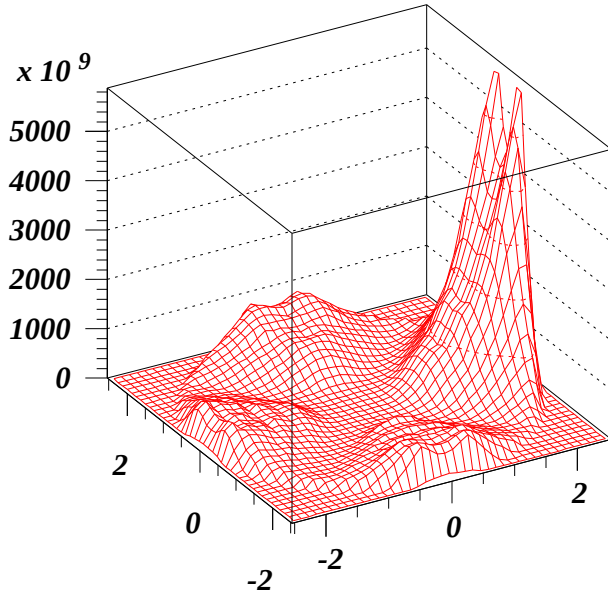
No energy cut: 41984 macroparticles, 294514752 e- $\times 10^3$



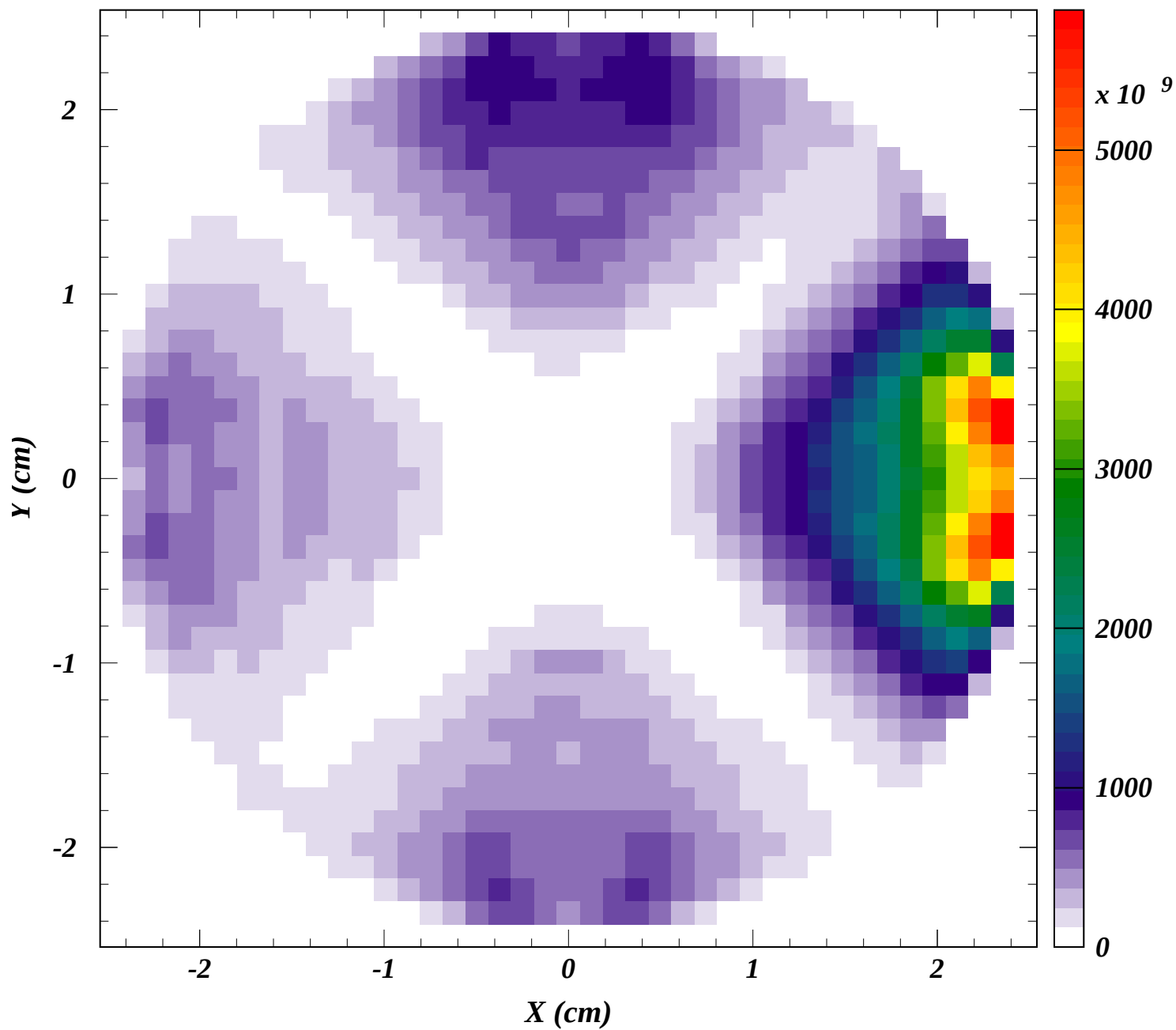
$E_{kin} > 10$ eV: 30751 macroparticles, 274020832 e-

ECLOUD-DR20100308_64_qua: Time-Integrated Energies of Electrons Hitting Wall

ECLOUD-DR20100308_64_qua: Time-Integrated Energies of Electrons Hitting Wall

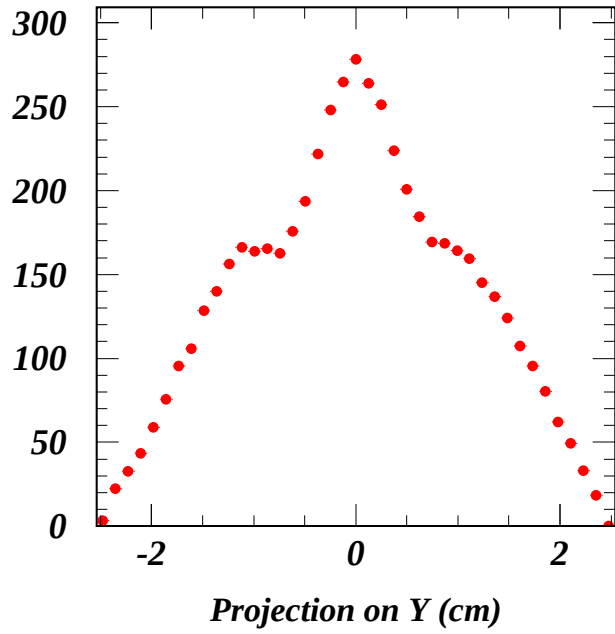
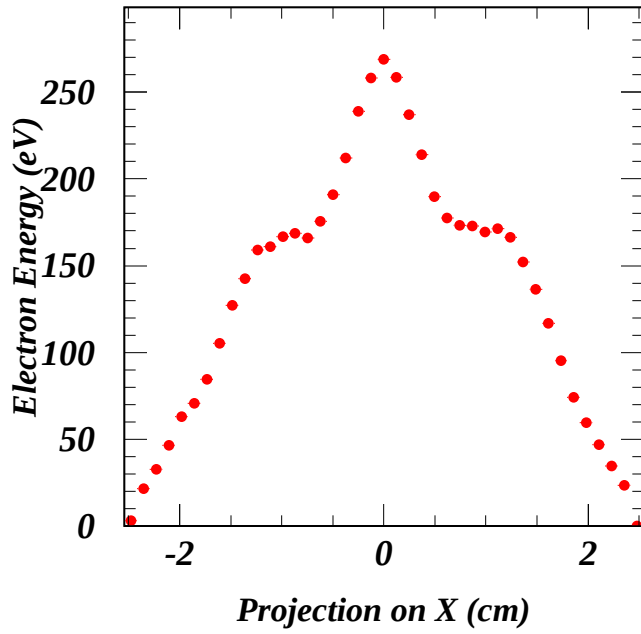
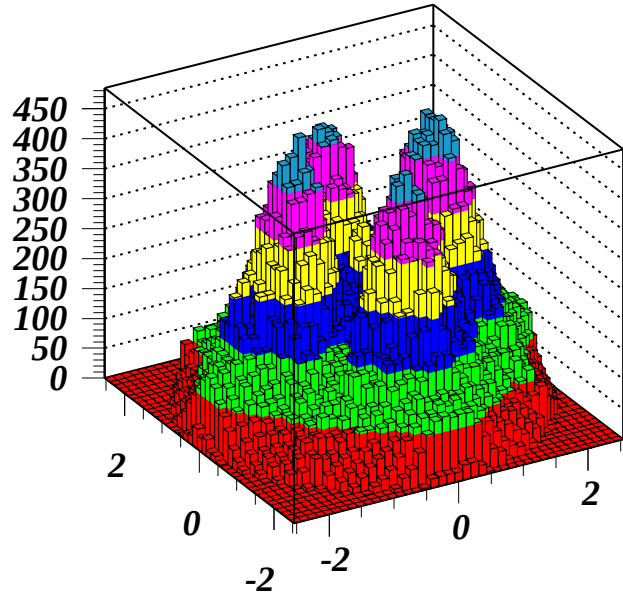
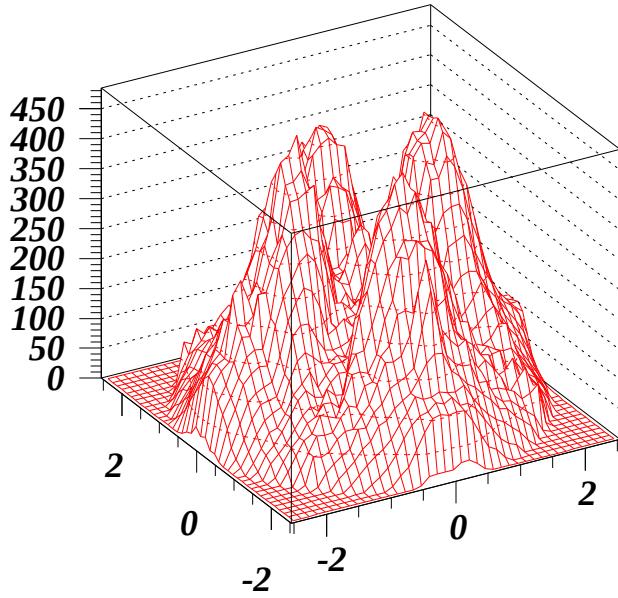
ECLOUD-DR20100308_64_qua: Cloud Density (e/m^3) Averaged Over 1440 ns

10/03/09 15.11
ECLOUD-DR20100308_64_qua: Cloud Density (e/m^3) Averaged Over 1440 ns

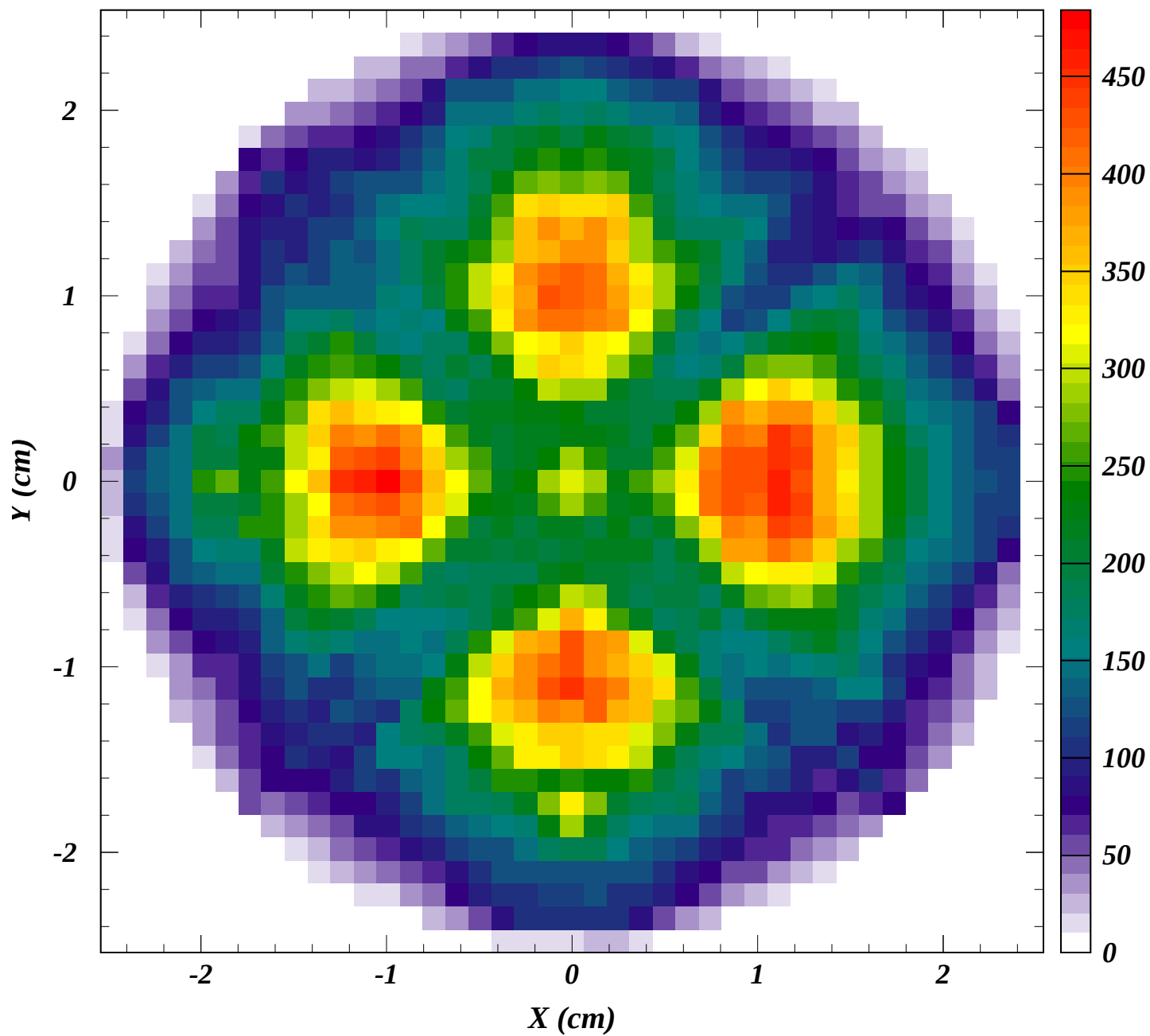


10/03/09 15.11

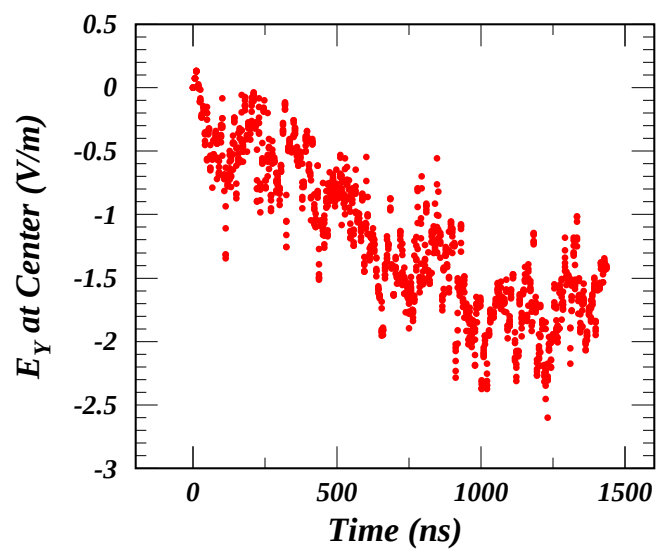
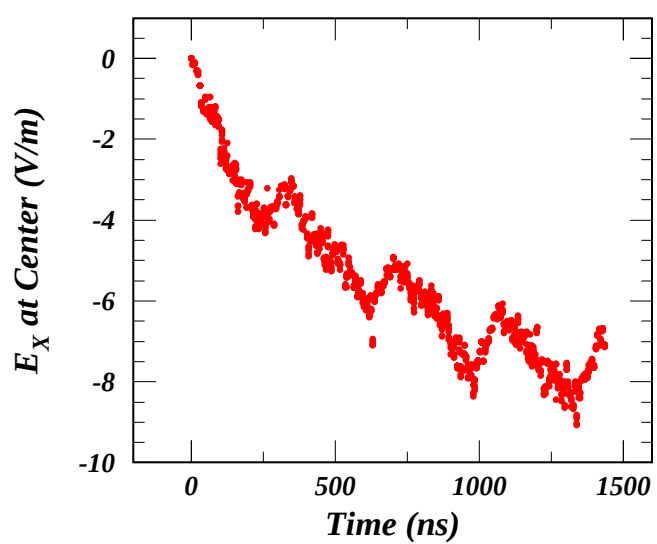
ECLOUD-DR20100308_64_qua: Electron Energies (eV) Averaged Over 1440 ns



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ECLOUD-DR20100308_64_qua: Electron Energies (eV) Averaged Over 1440 ns



ECLOUD-DR20100308_64_qua: Electric Field at Beam



ECLOUD-DR20100308_64_qua Electric Field Gradients at Beam

