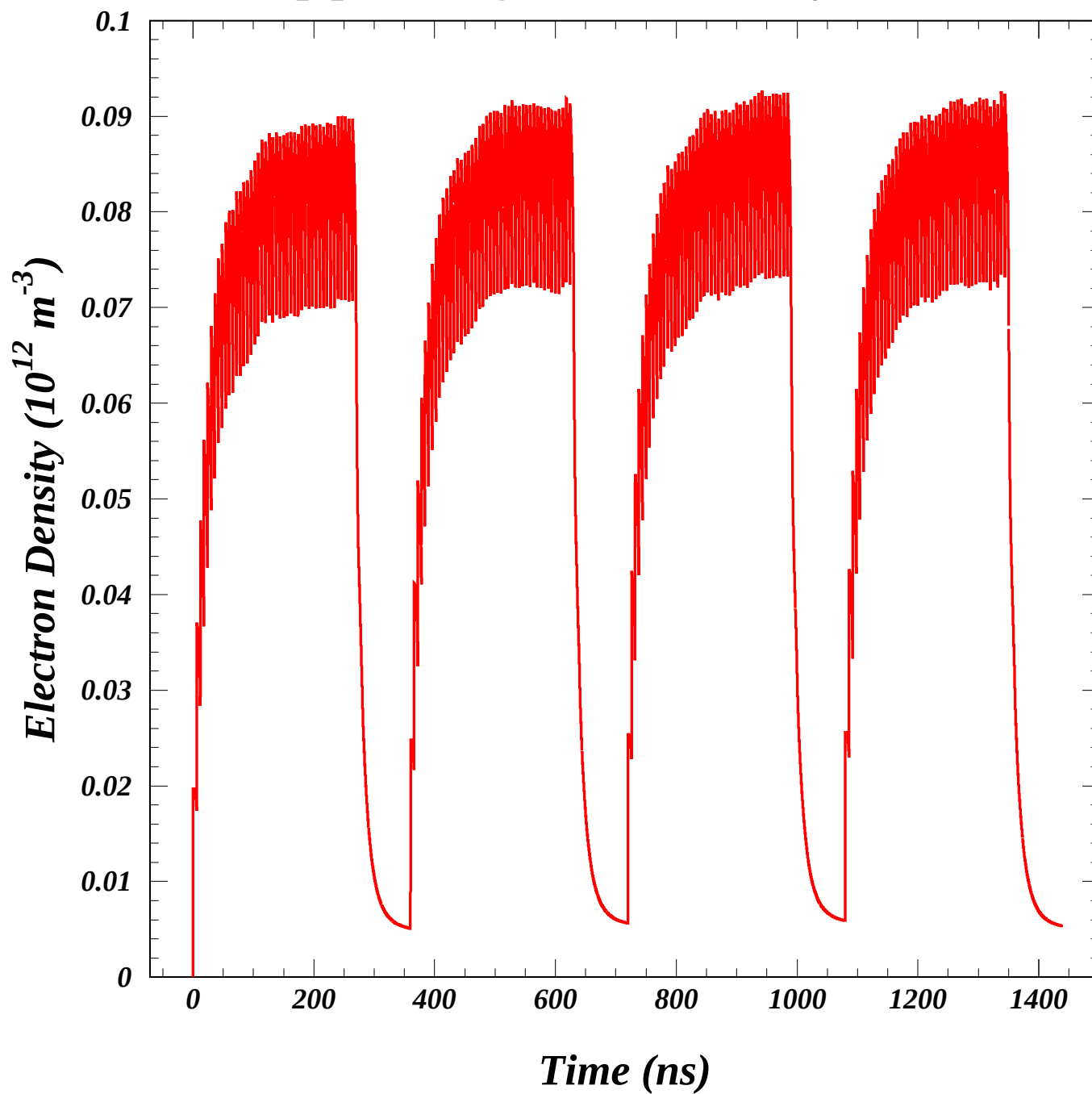
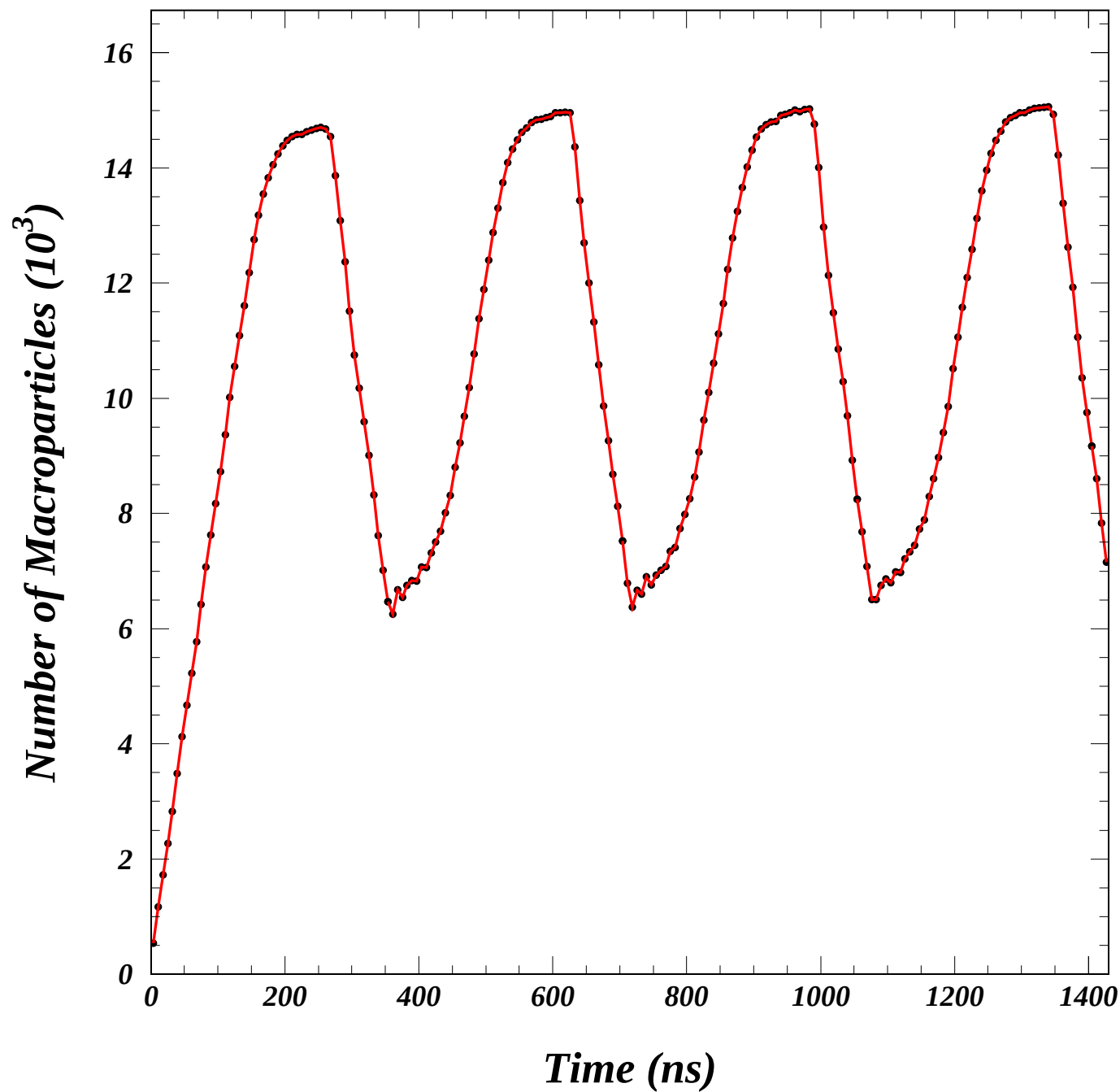
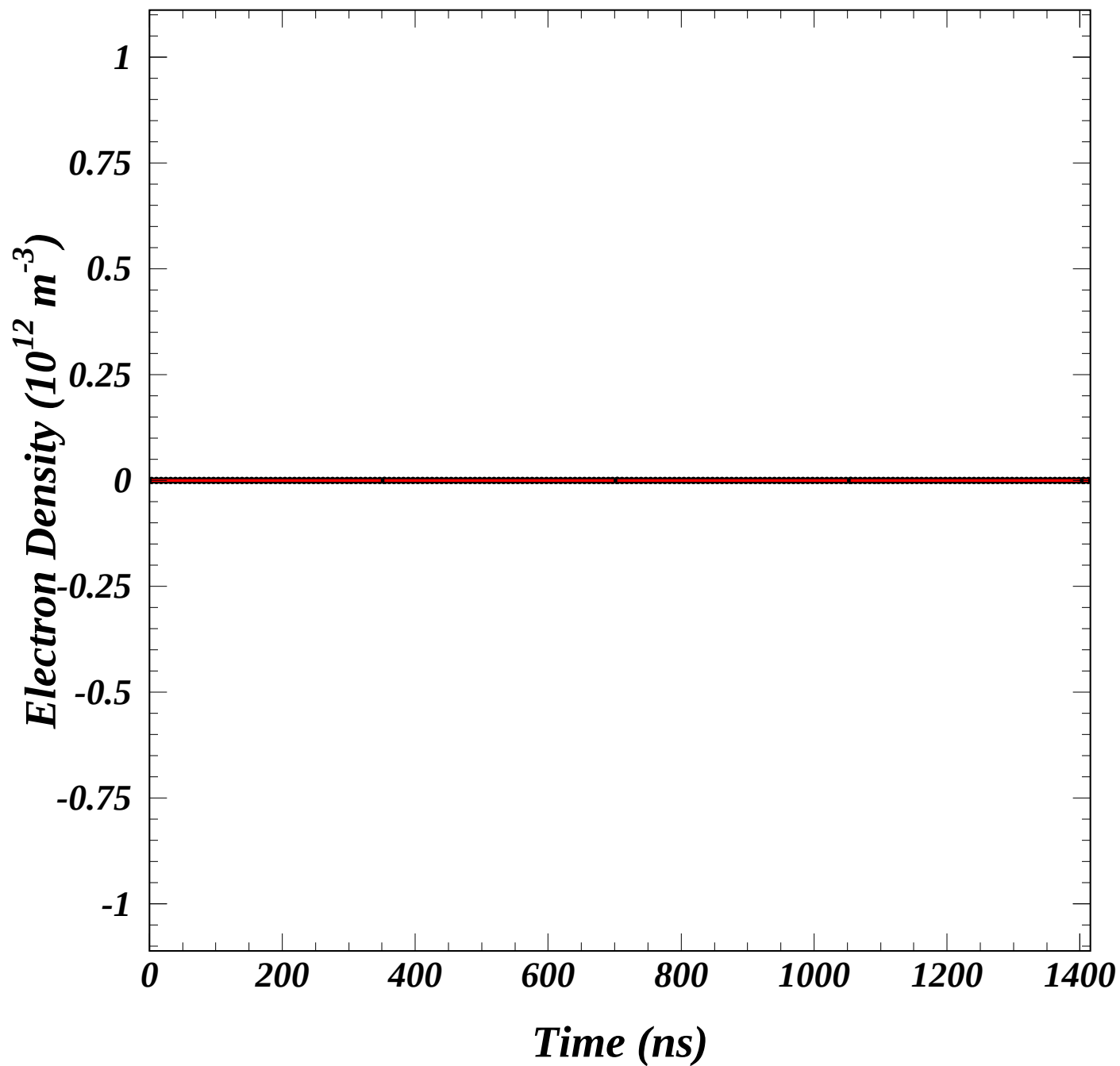


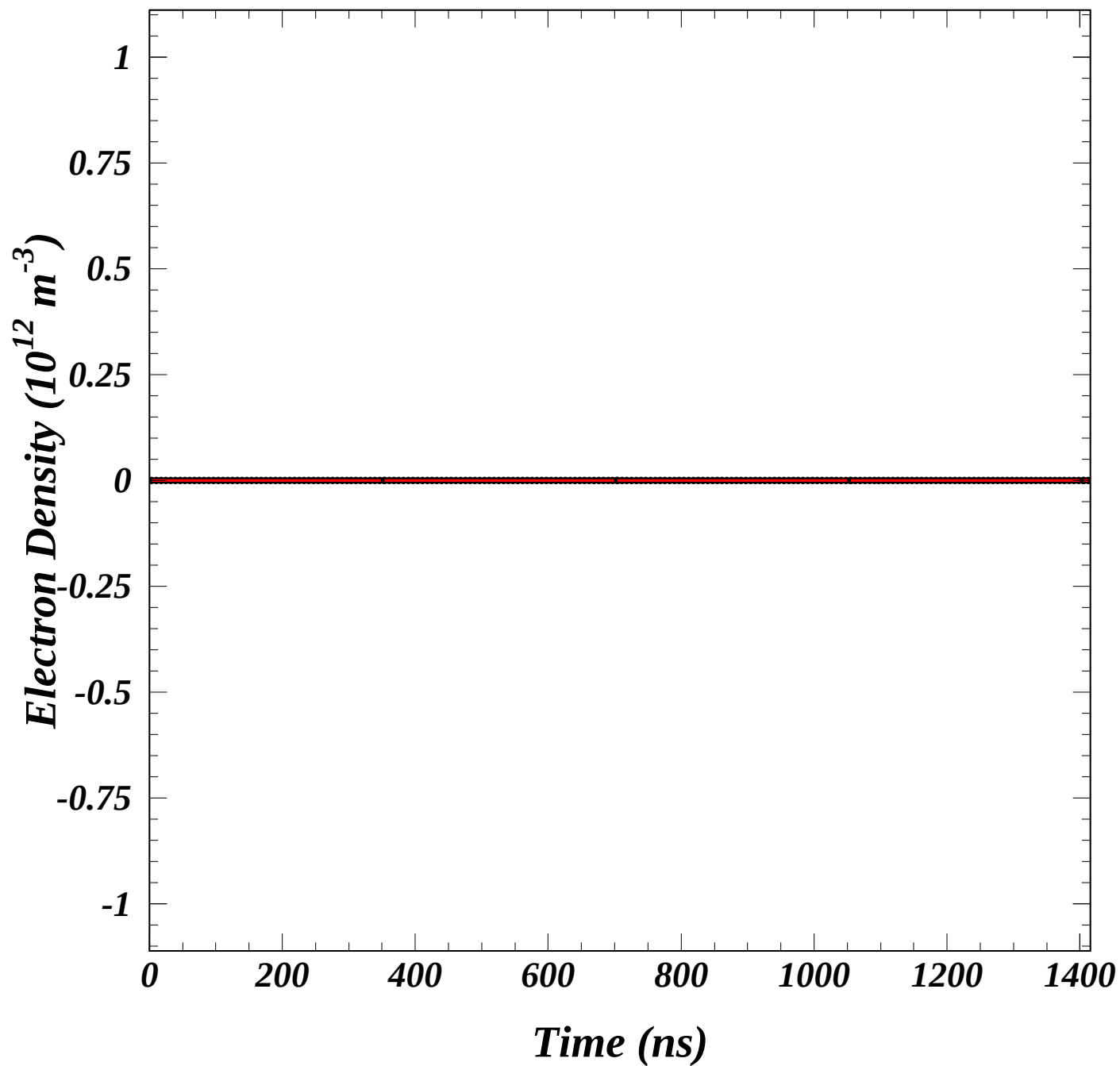
Beampipe-averaged Cloud Density (10^{12} m^{-3}) 10/03/19 13.03



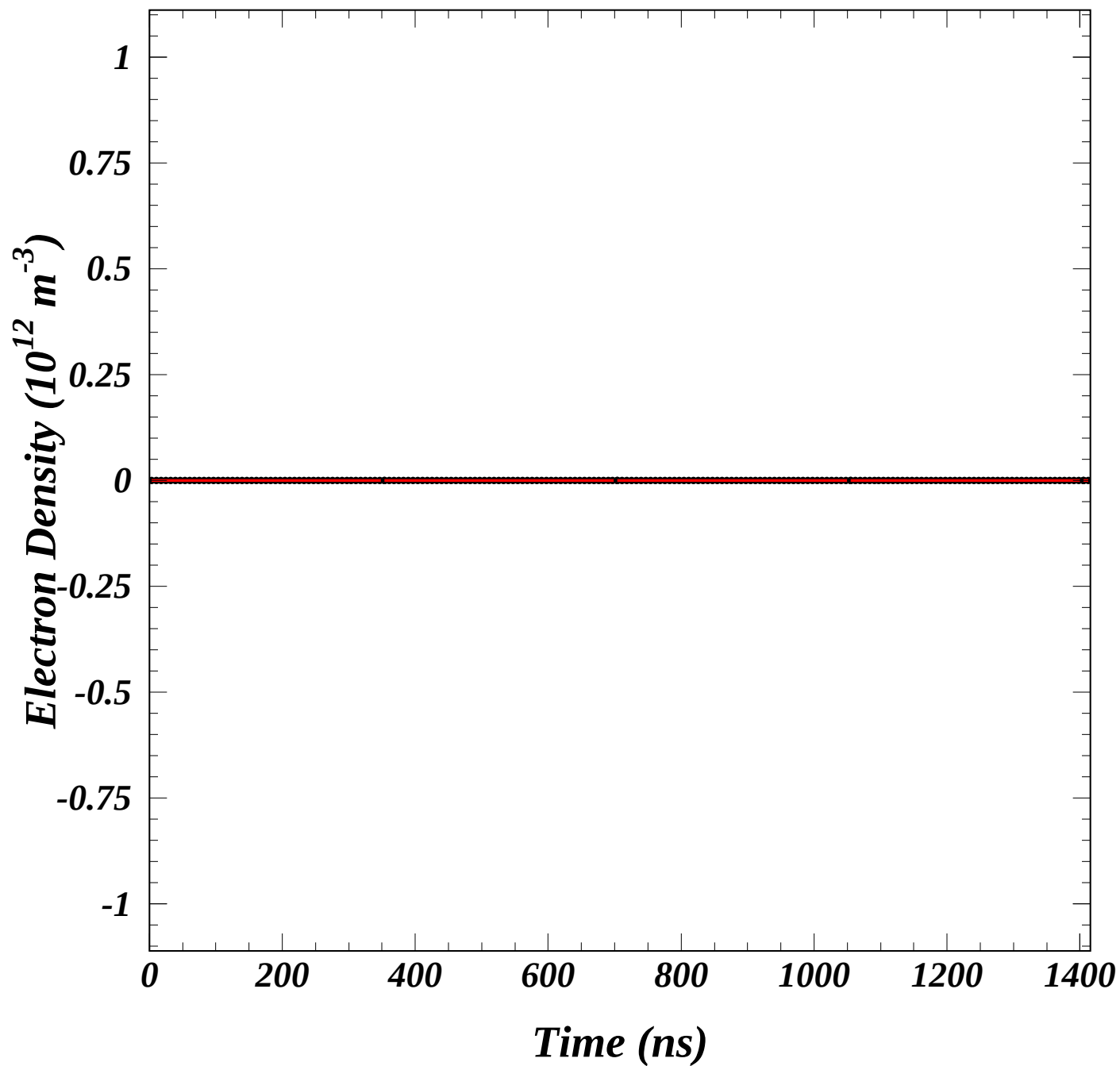
Macroparticle Statistics



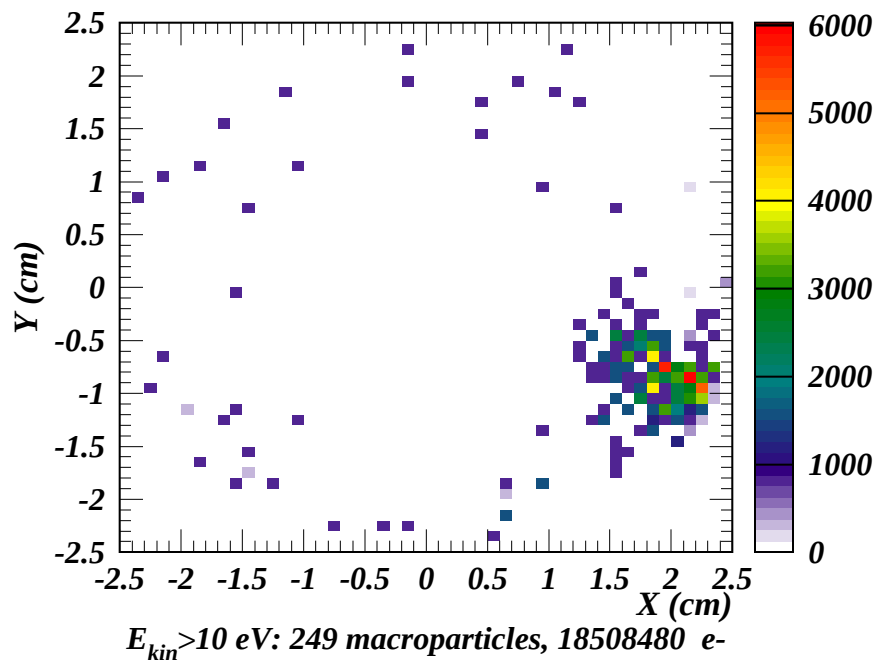
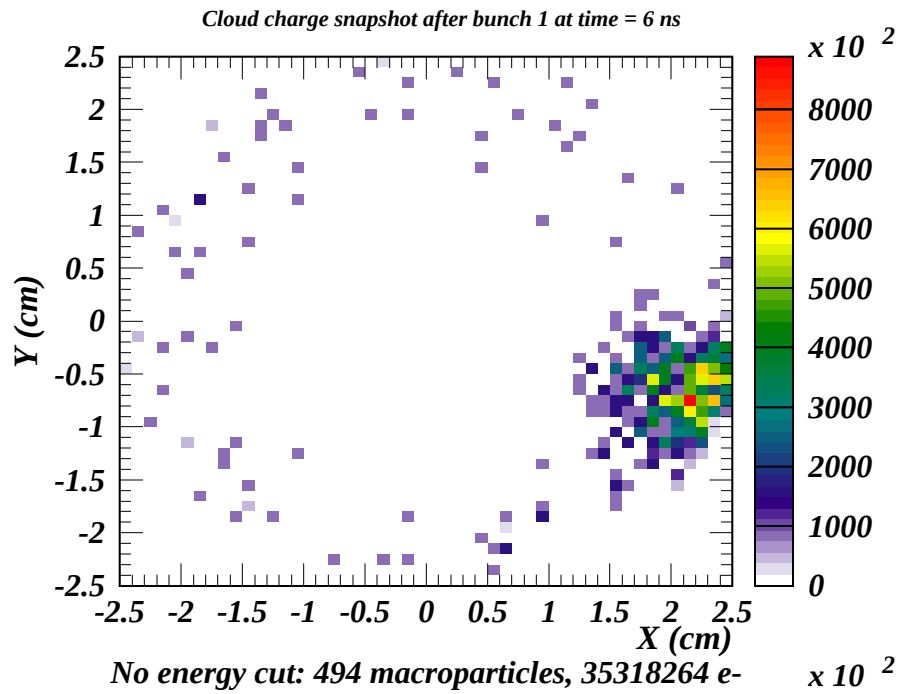
Beam-averaged Cloud Density (10^{12} m^{-3})

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

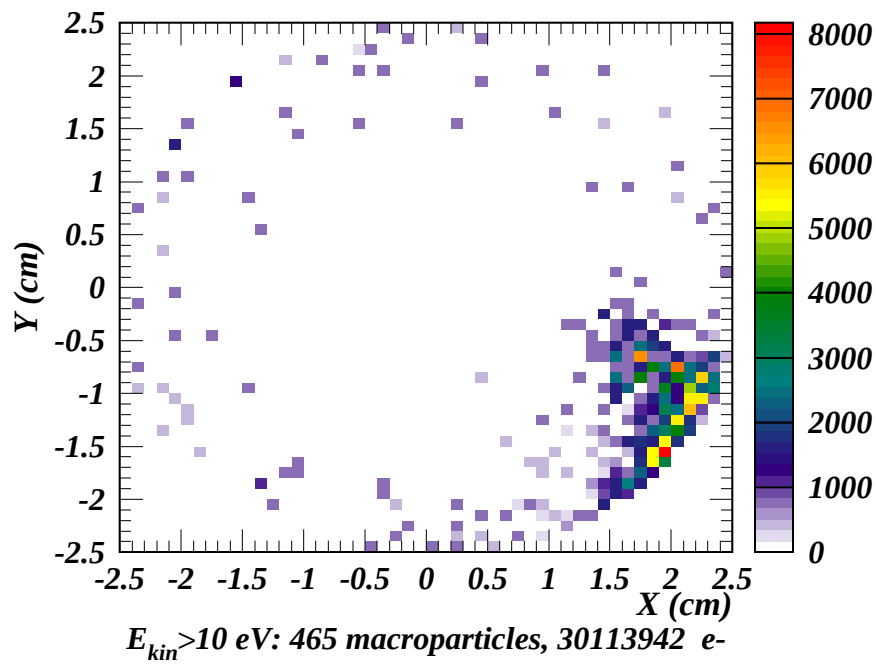
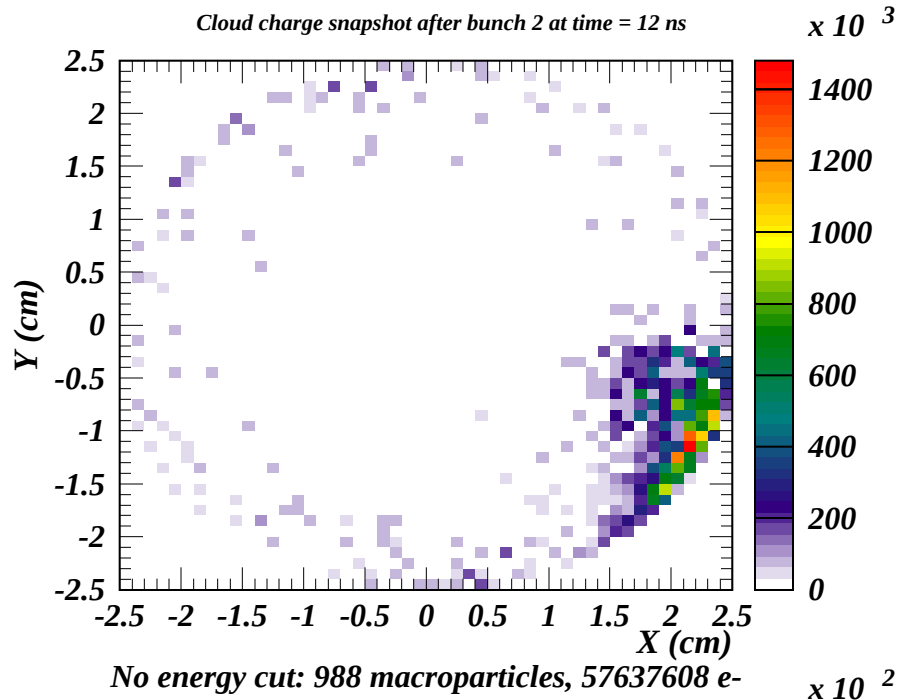
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ECLOUD-DR20100308_32_sol: Cloud Density in Central Grid Cell (10^{12} m^{-3})



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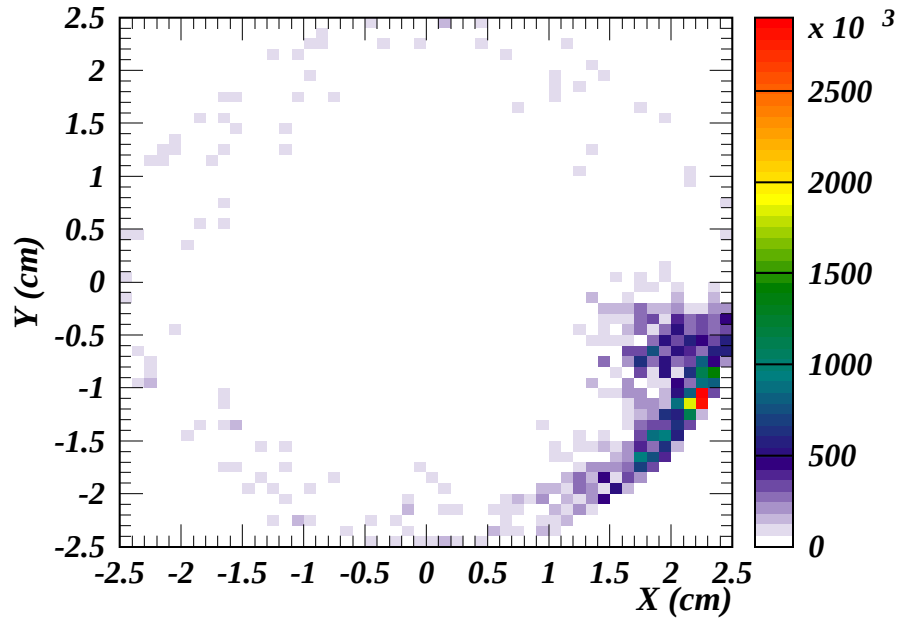


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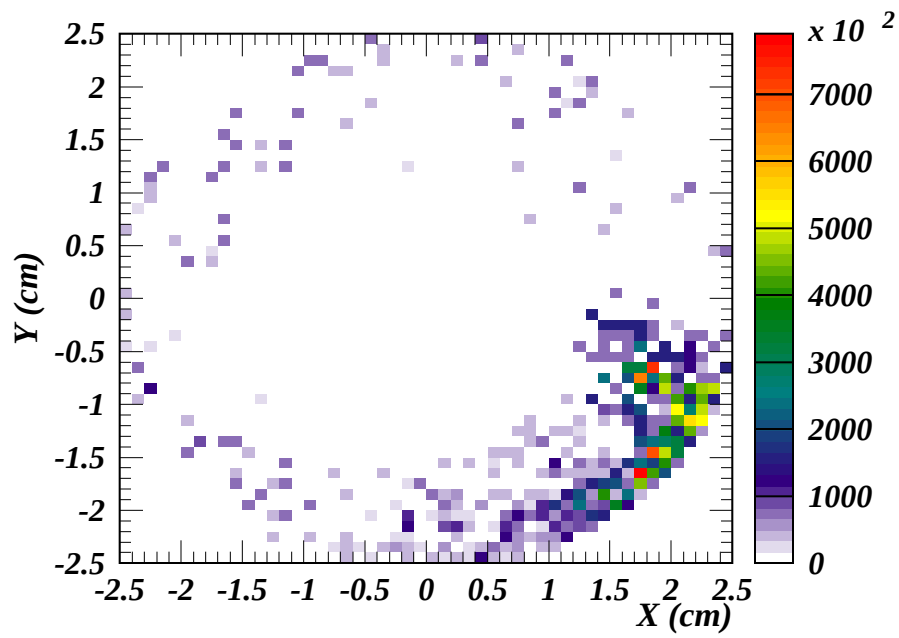


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Cloud charge snapshot after bunch 3 at time = 18 ns

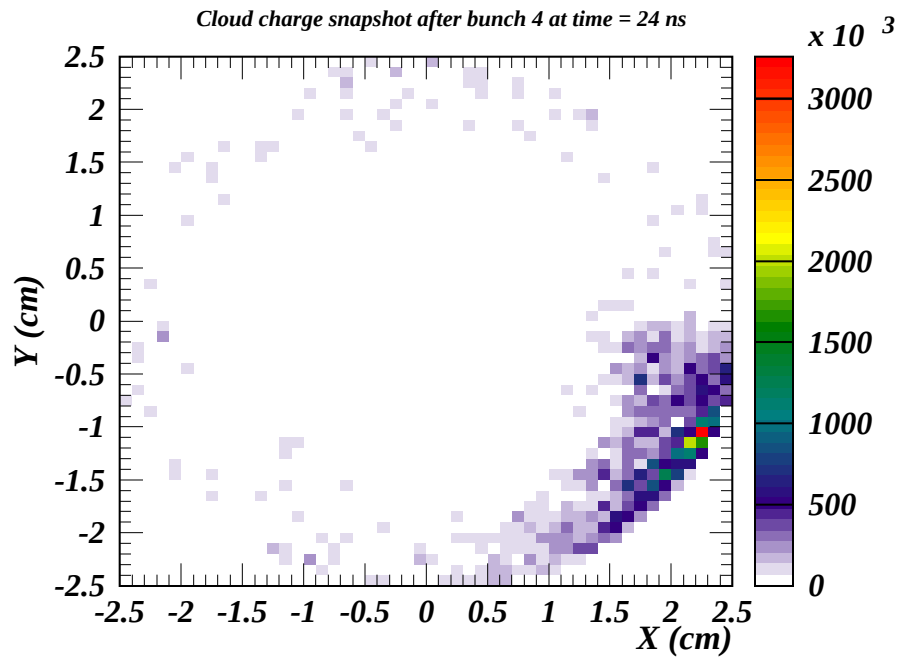


No energy cut: 1482 macroparticles, 74397880 e-

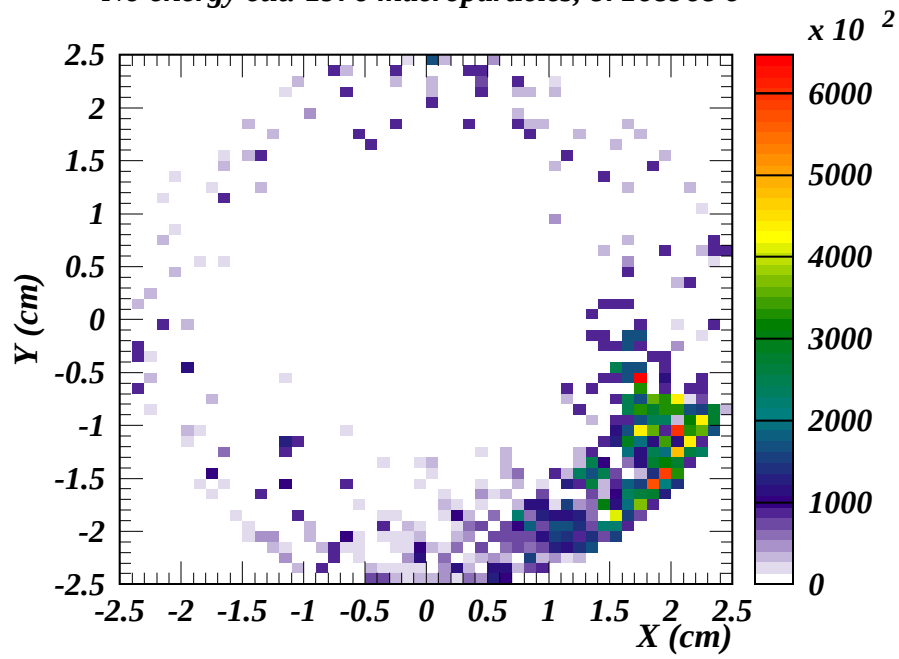


$E_{kin} > 10$ eV: 708 macroparticles, 36854240 e-

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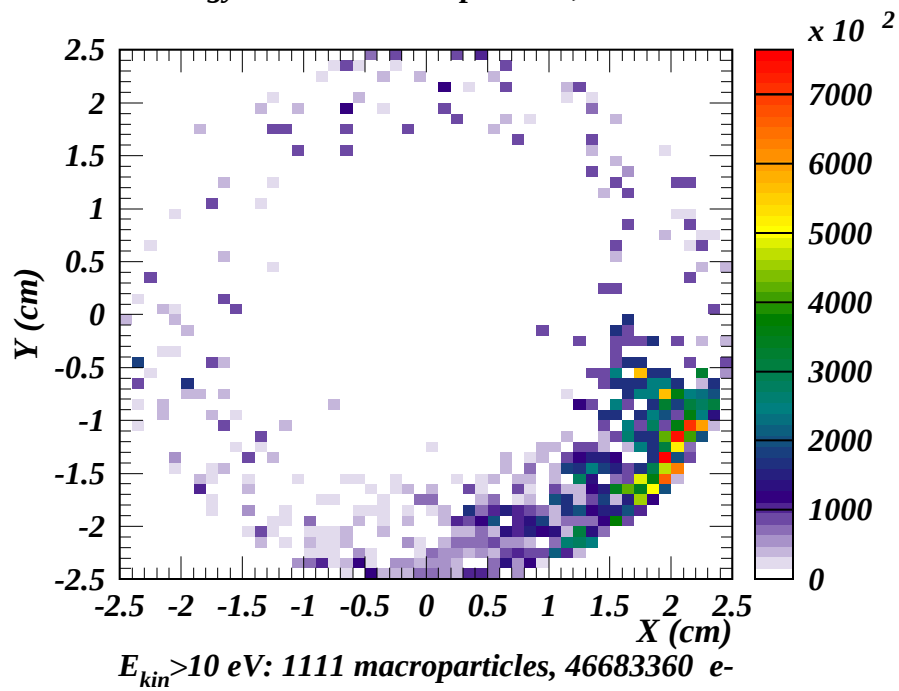
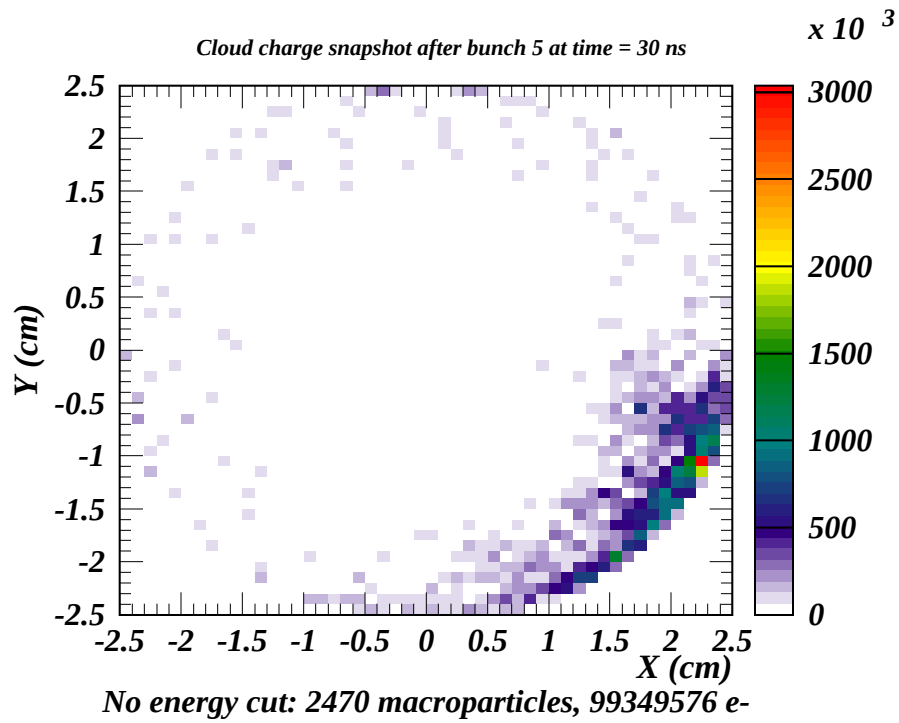


No energy cut: 1976 macroparticles, 87168968 e-

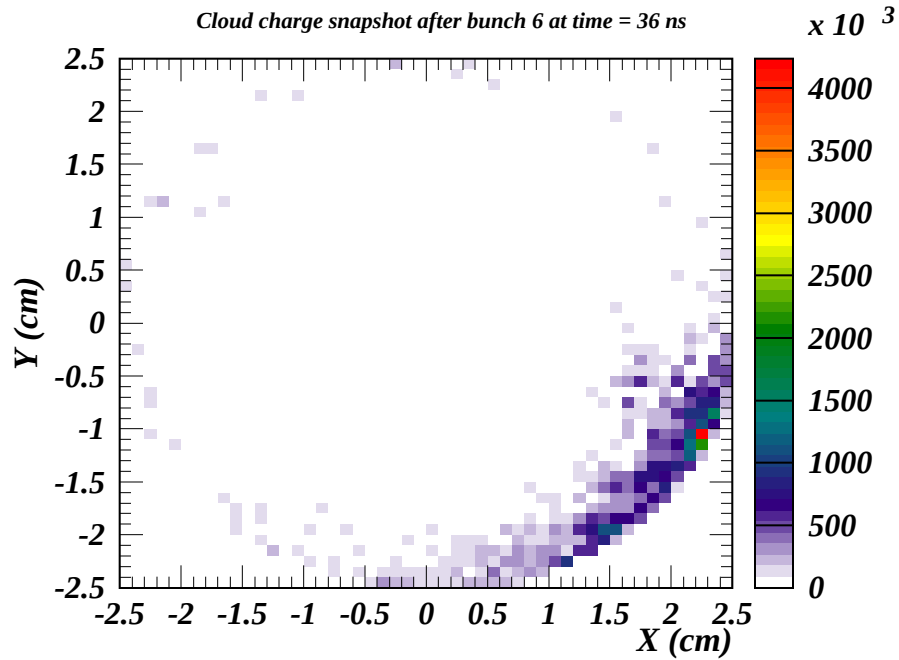


$E_{kin} > 10 \text{ eV}$: 855 macroparticles, 39626344 e-

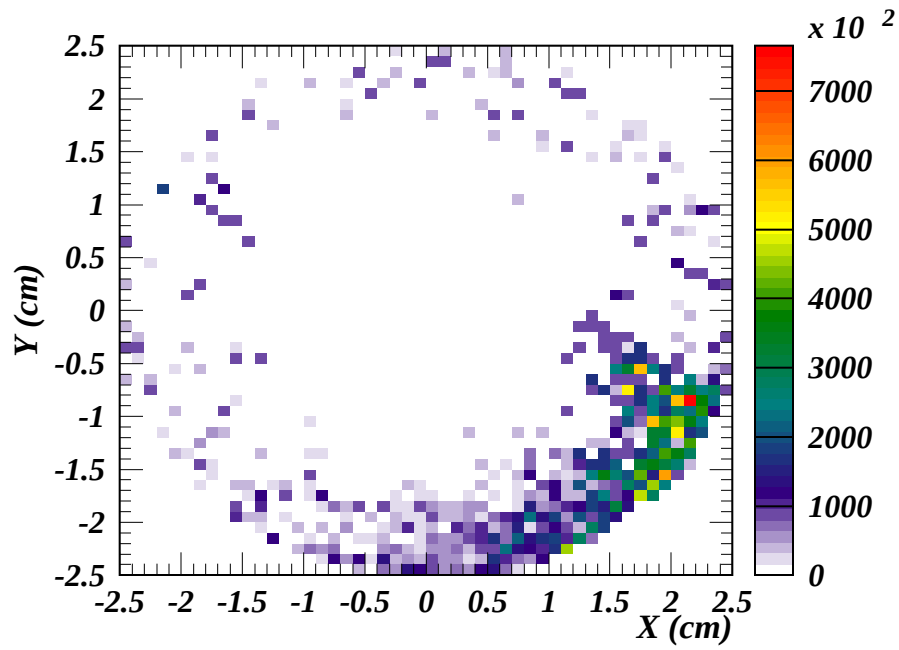
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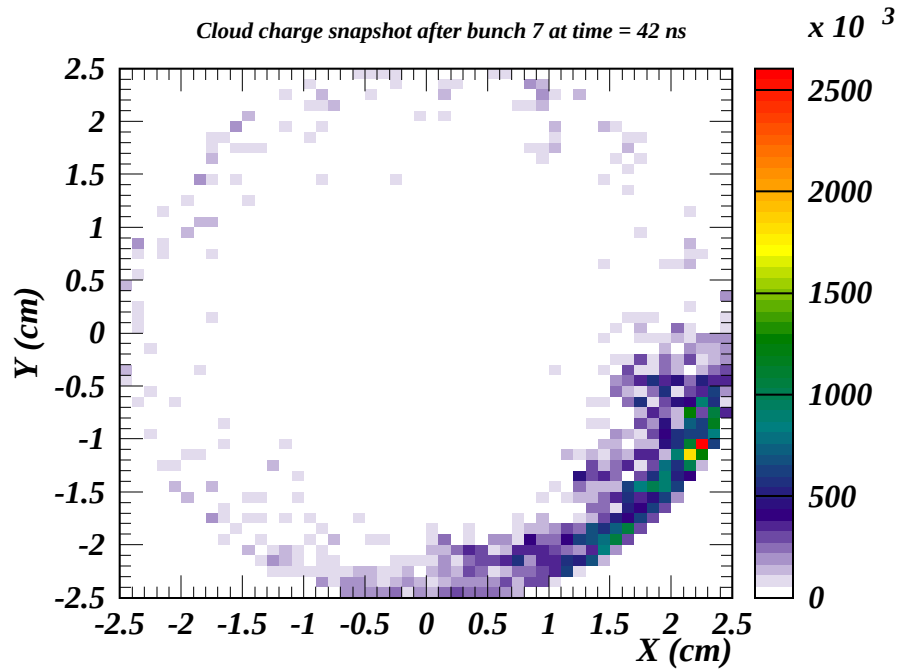


No energy cut: 2964 macroparticles, 105994184 e-

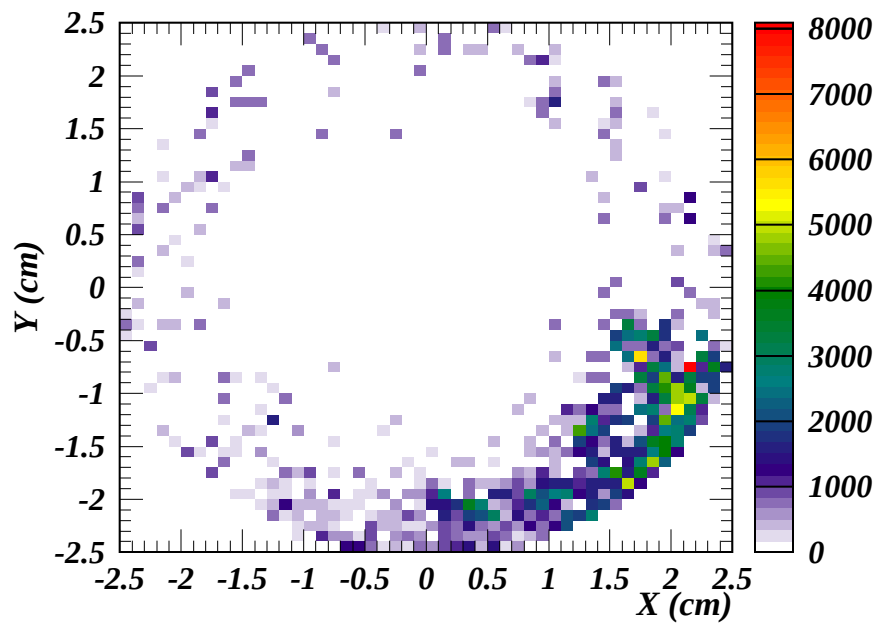


$E_{kin} > 10$ eV: 1233 macroparticles, 48025656 e-

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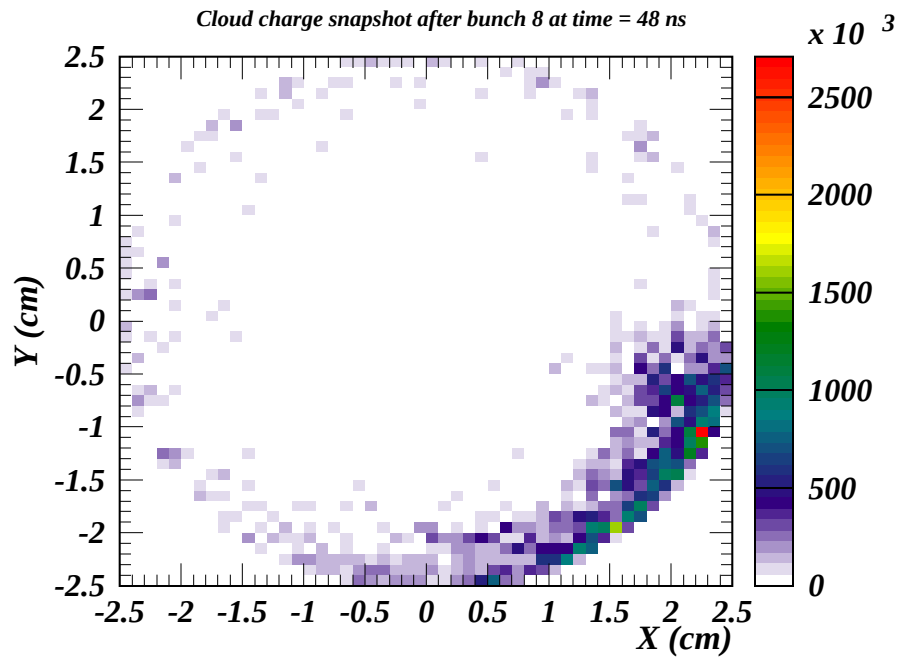


No energy cut: 3458 macroparticles, 113525672 e^- $\times 10^2$

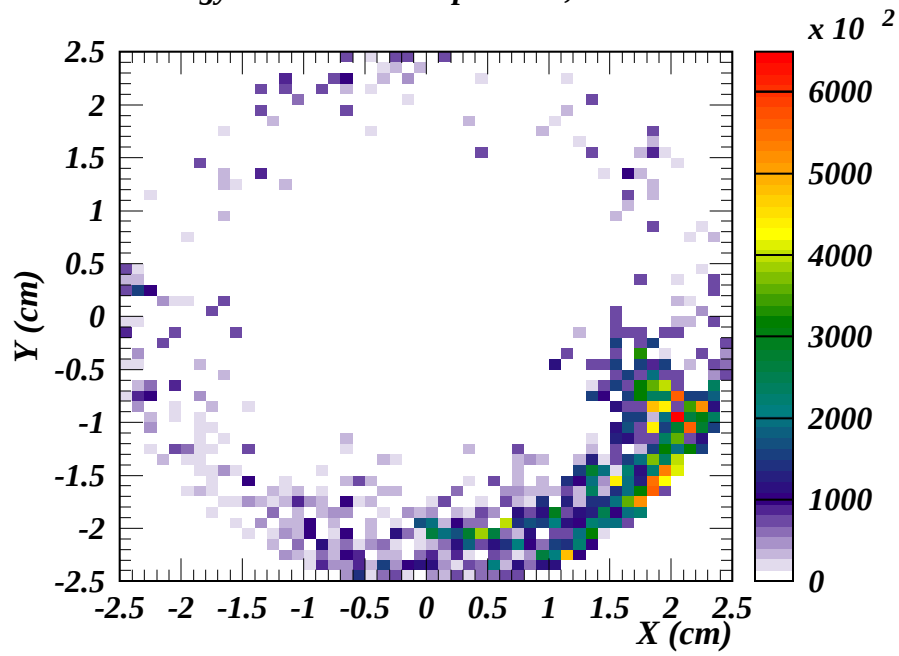


$E_{kin} > 10$ eV: 1436 macroparticles, 51083912 e^-

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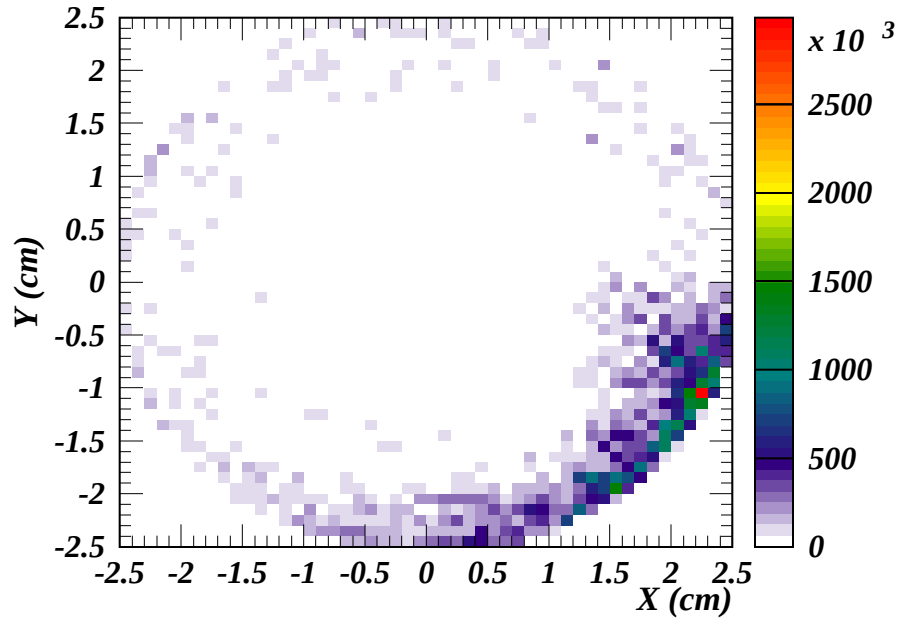


No energy cut: 3952 macroparticles, 116896992 e-

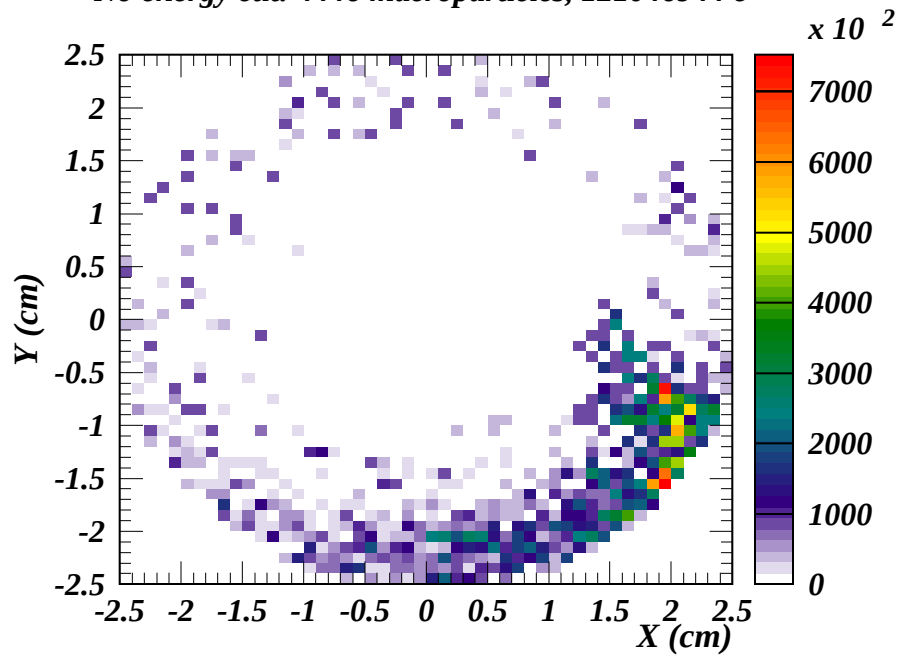


$E_{kin} > 10 \text{ eV}$: 1546 macroparticles, 50425056 e-

Cloud charge snapshot after bunch 9 at time = 54 ns

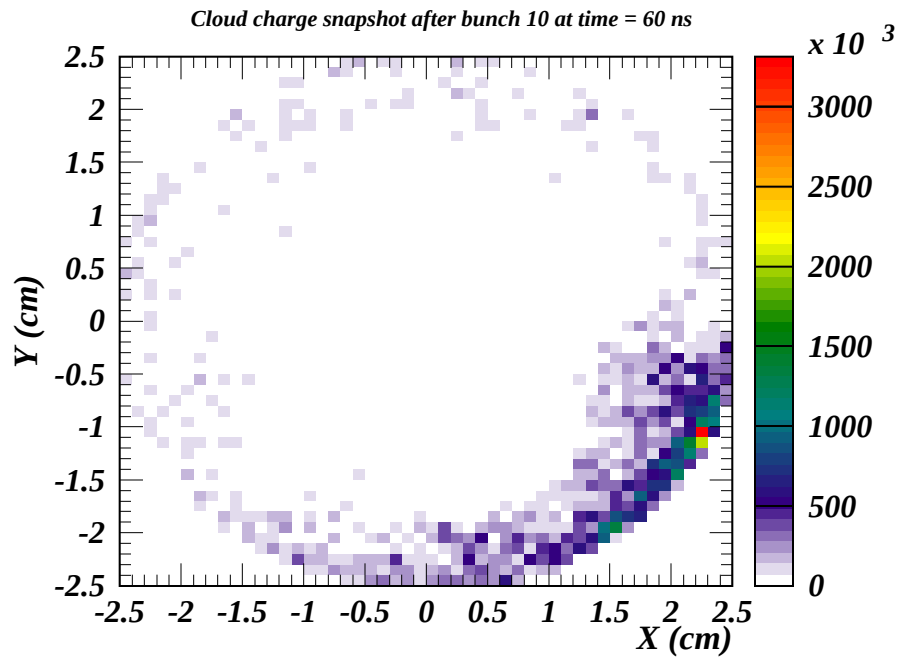


No energy cut: 4446 macroparticles, 121046944 e-

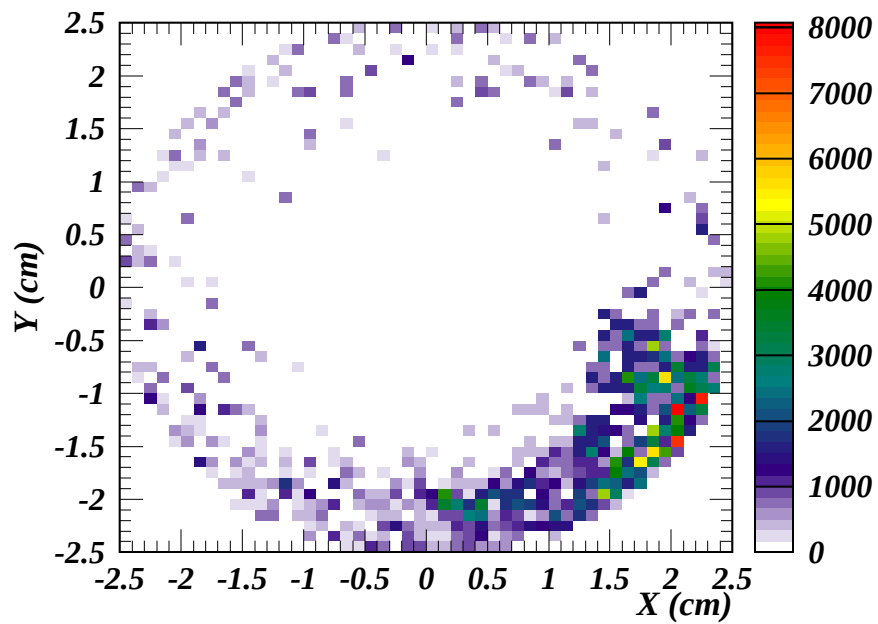


$E_{kin} > 10$ eV: 1772 macroparticles, 52724832 e-

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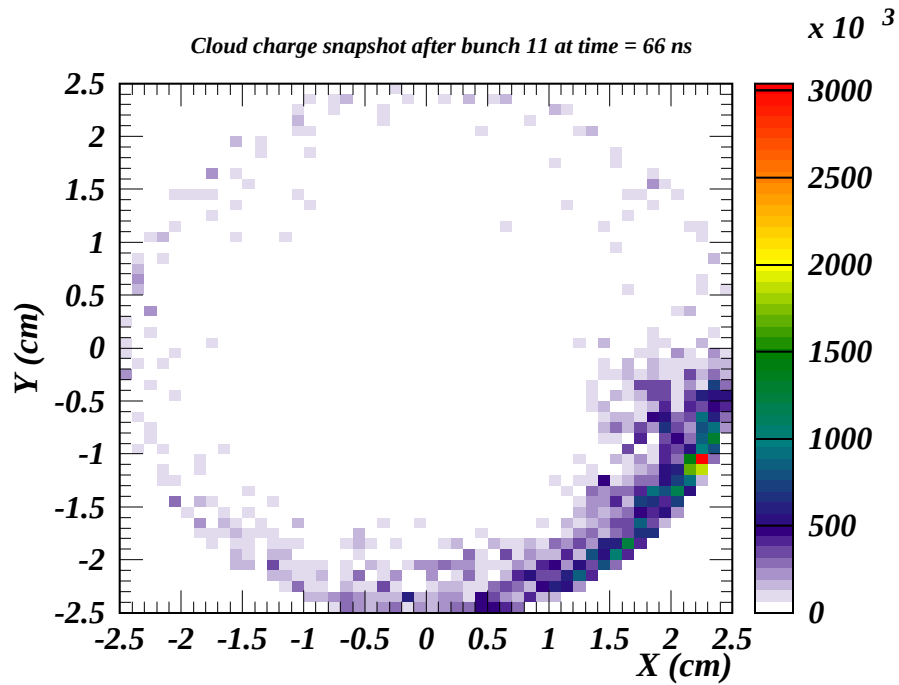


No energy cut: 4940 macroparticles, 123717928 e^- $\times 10^2$

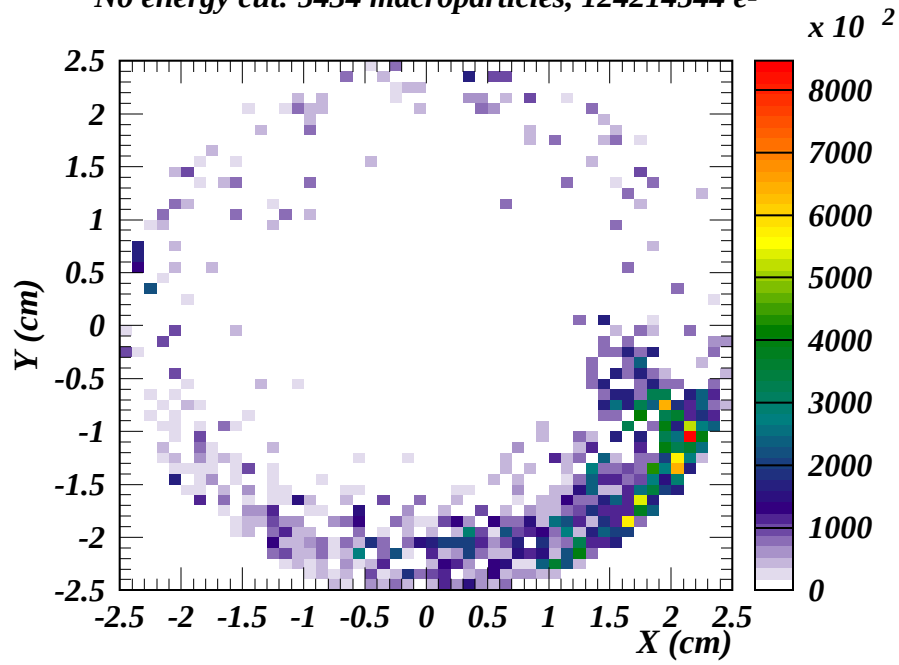


$E_{kin} > 10 \text{ eV}$: 1837 macroparticles, 54079384 e^-

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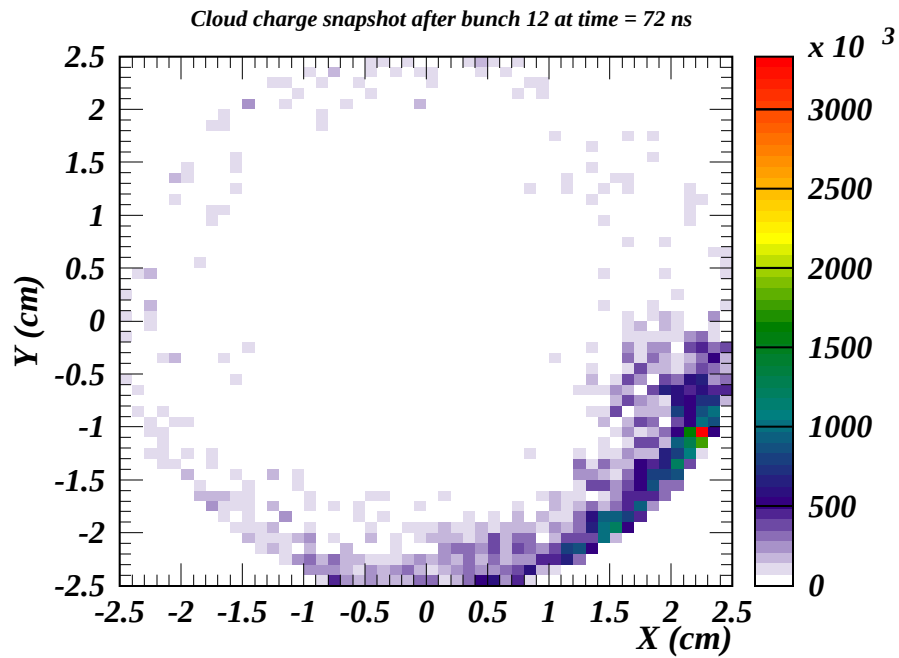


No energy cut: 5434 macroparticles, 124214544 e-

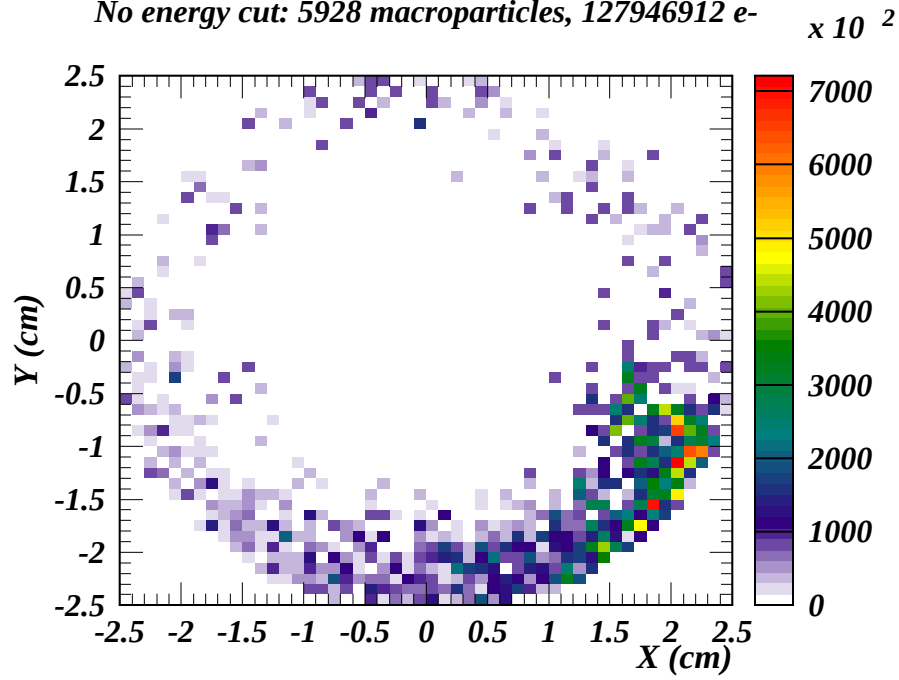


$E_{kin} > 10$ eV: 2070 macroparticles, 52649368 e-

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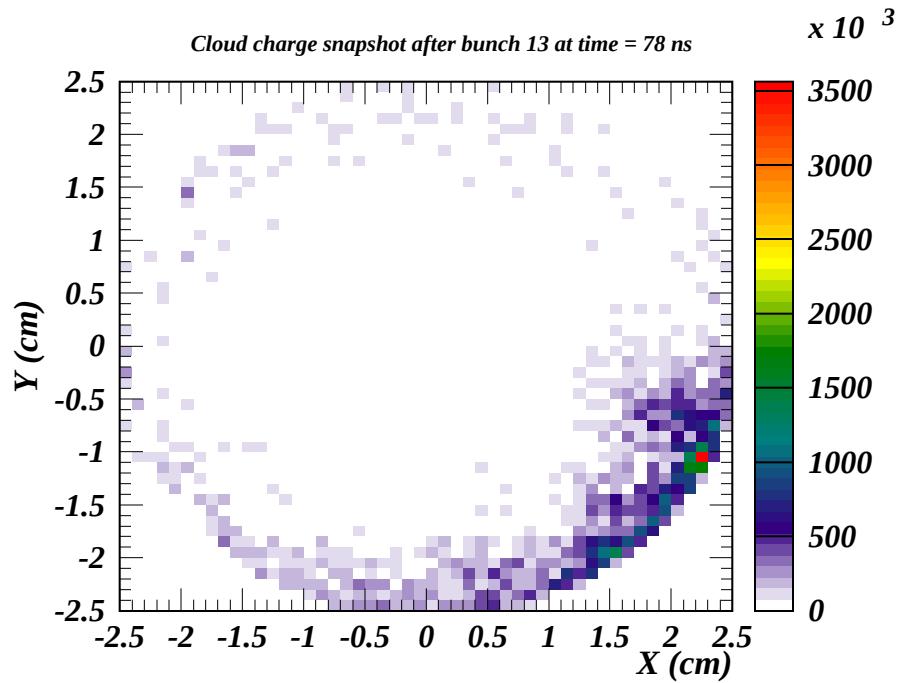


No energy cut: 5928 macroparticles, 127946912 e-

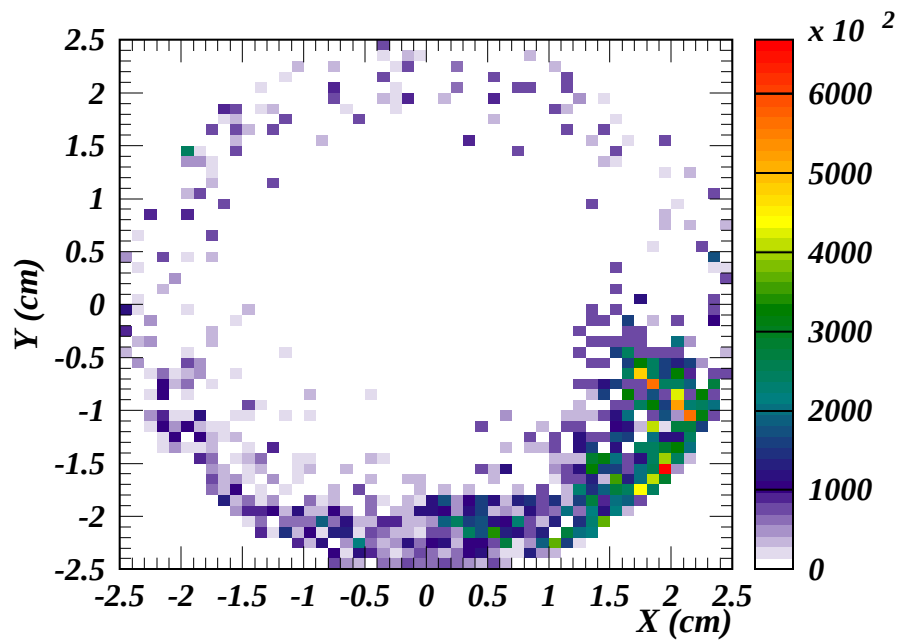


$E_{kin} > 10 \text{ eV}$: 2205 macroparticles, 55549456 e-

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No energy cut: 6422 macroparticles, 128033624 e-

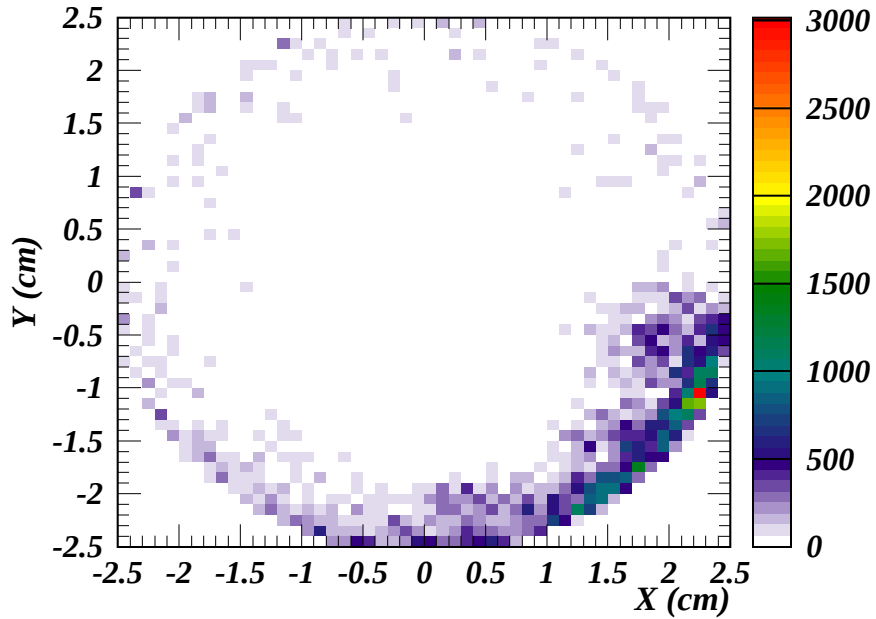


$E_{kin} > 10$ eV: 2336 macroparticles, 54385784 e-

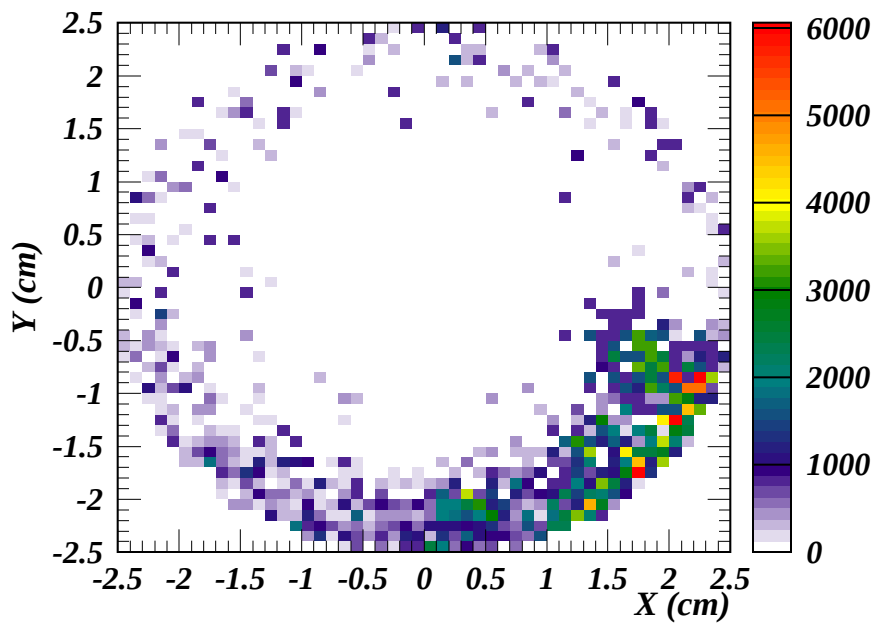
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$\times 10^3$

Cloud charge snapshot after bunch 14 at time = 84 ns

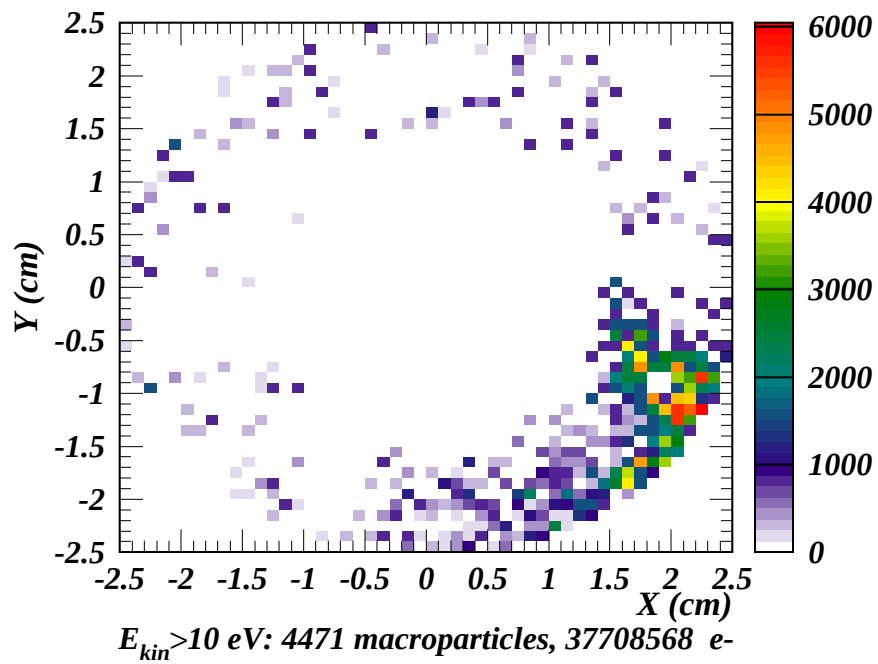
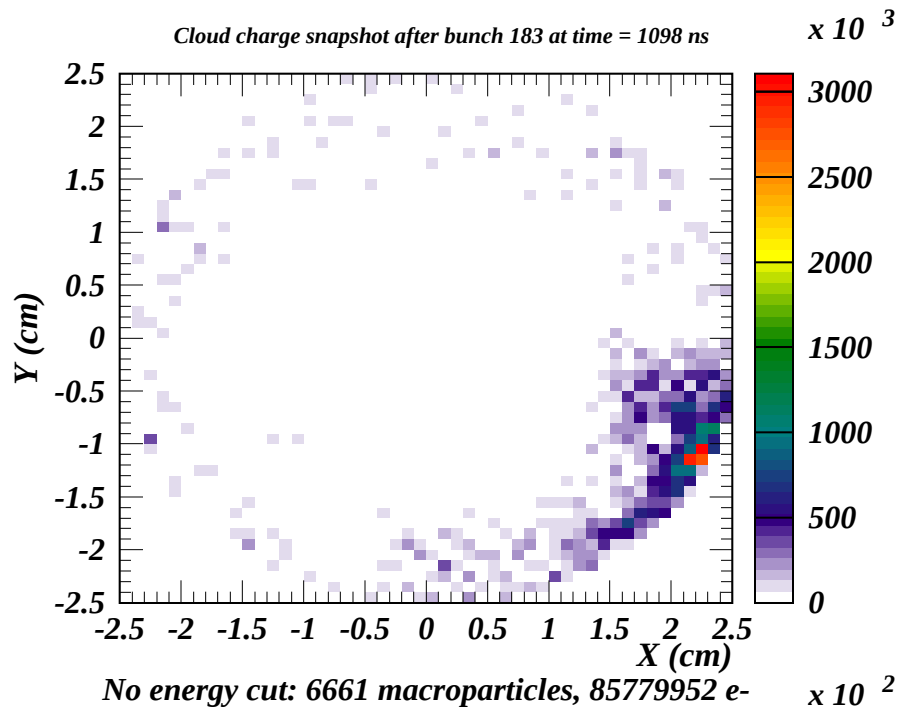


No energy cut: 6916 macroparticles, 130093184 e^- $\times 10^2$

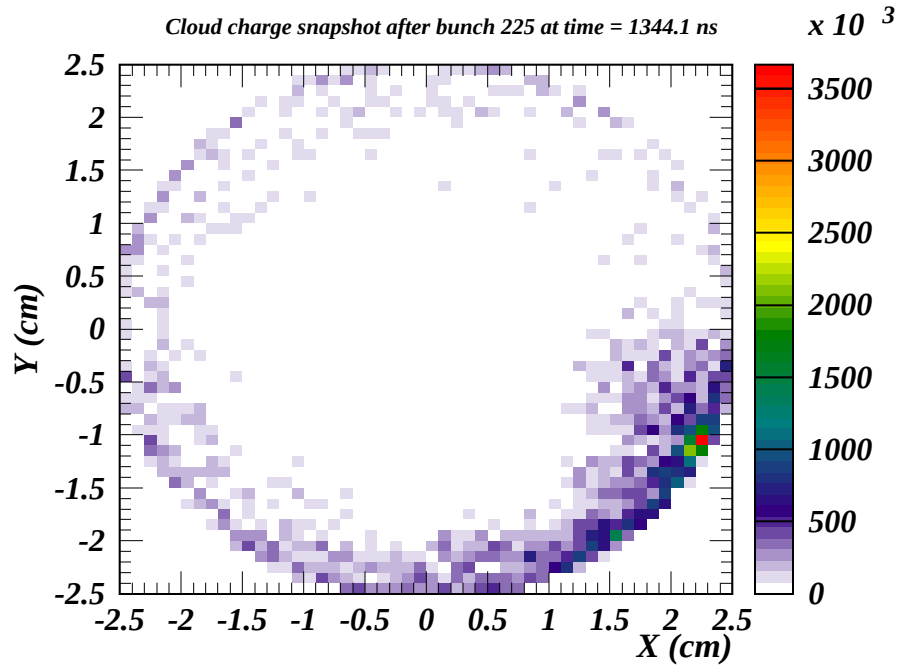


$E_{kin} > 10$ eV: 2529 macroparticles, 55509000 e^-

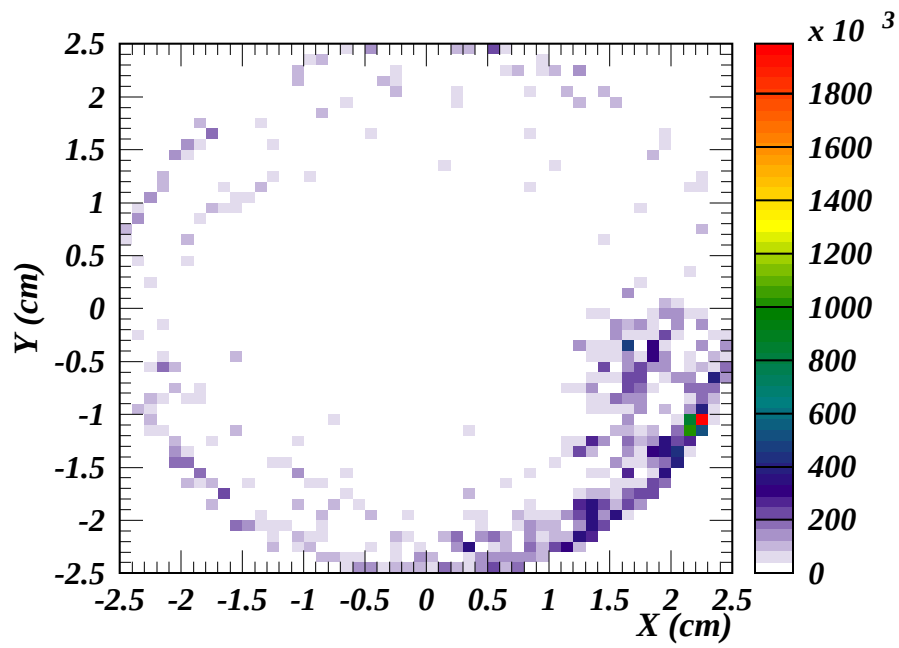
10/03/19 13.03



10/03/19 13.03

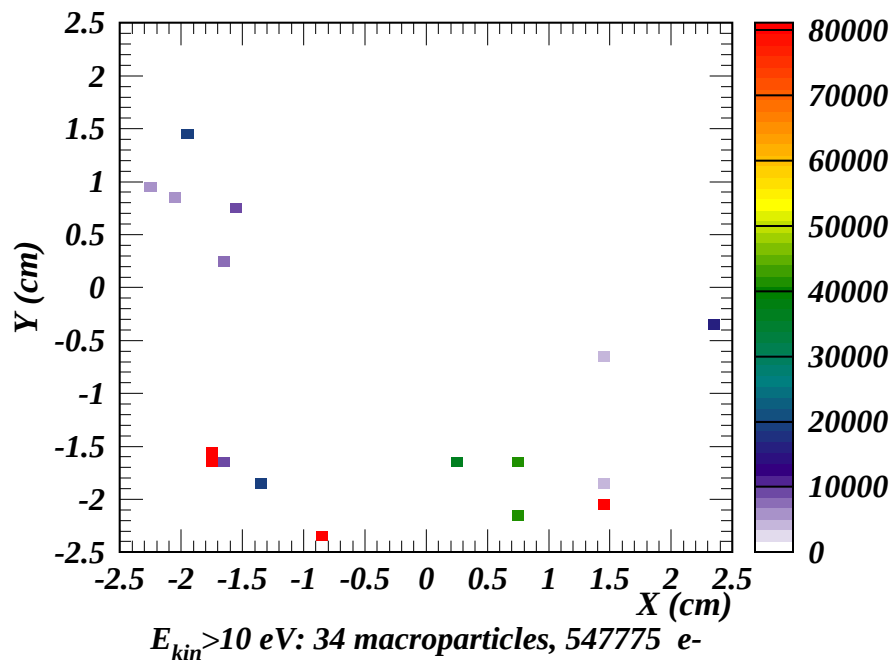
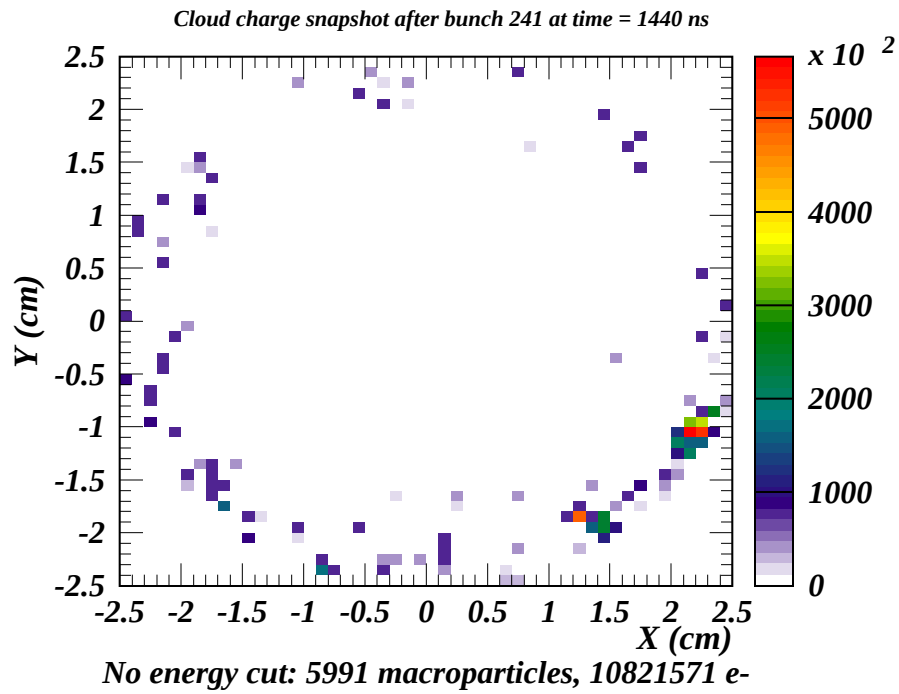


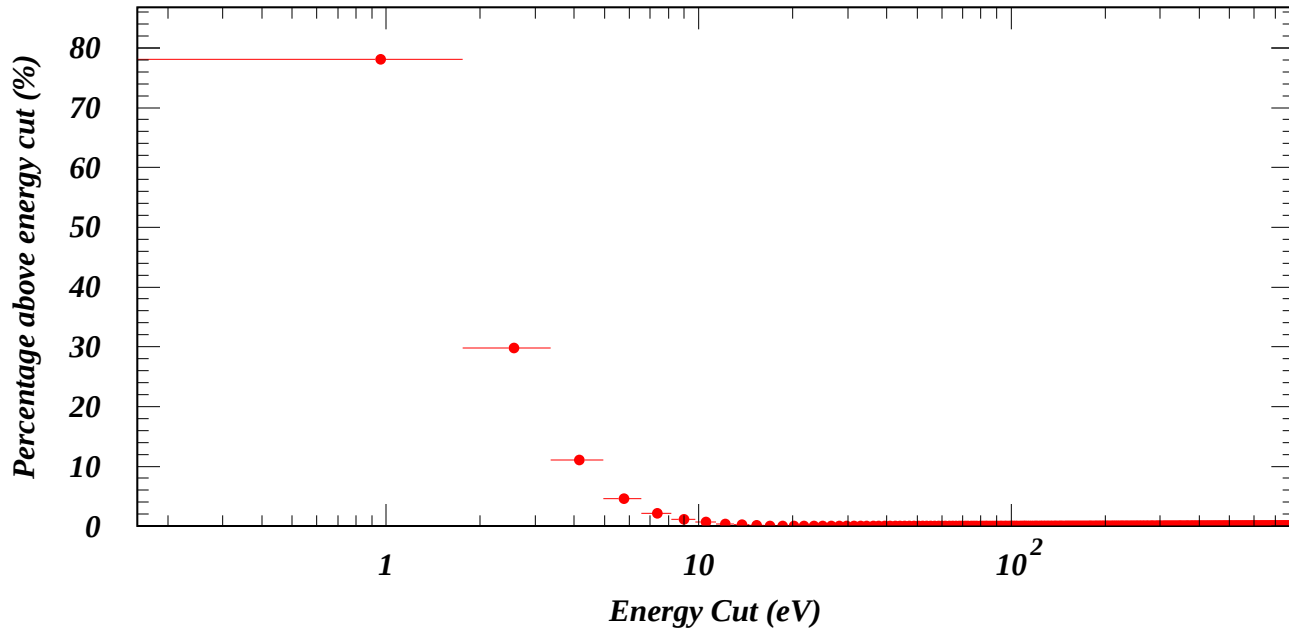
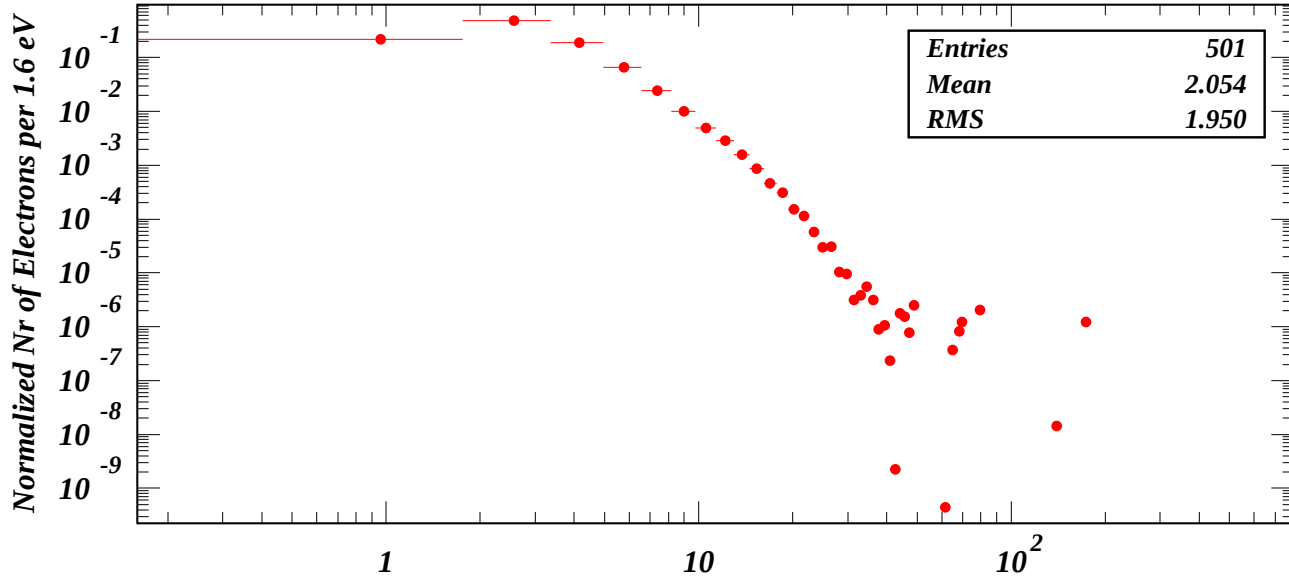
No energy cut: 15204 macroparticles, 187122224 e-

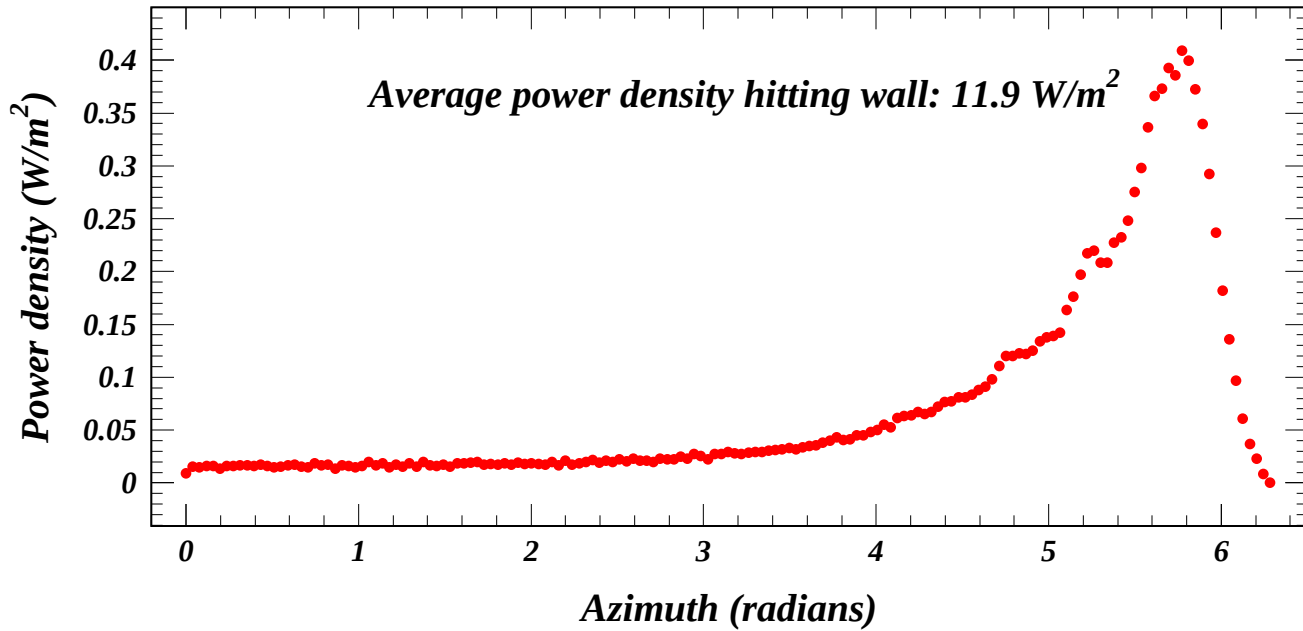
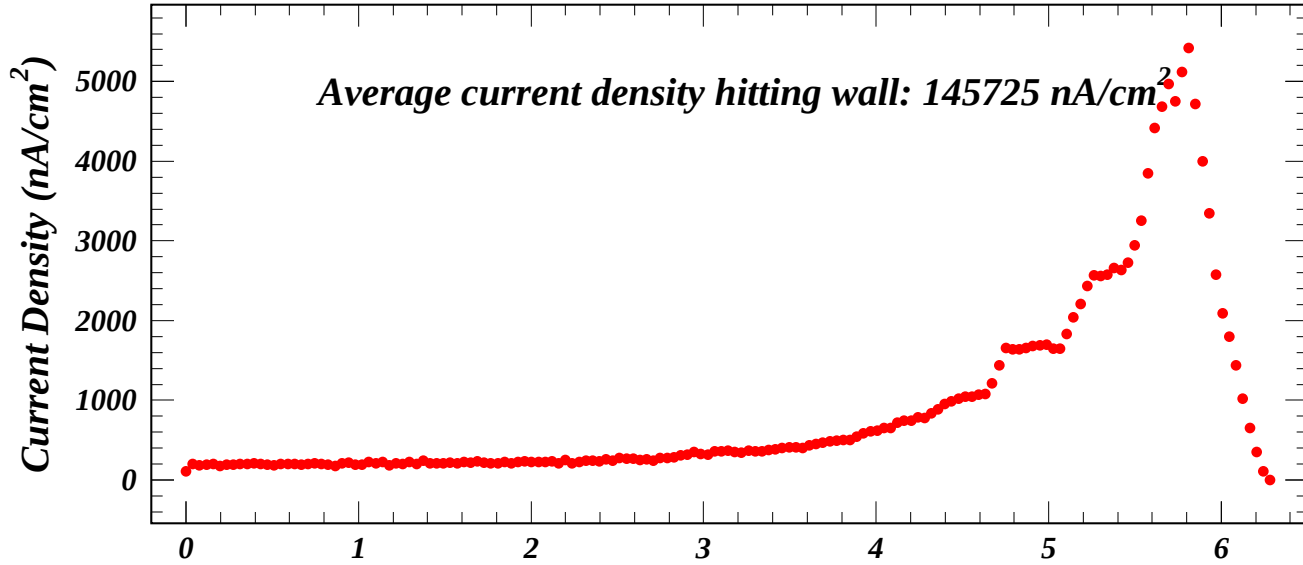


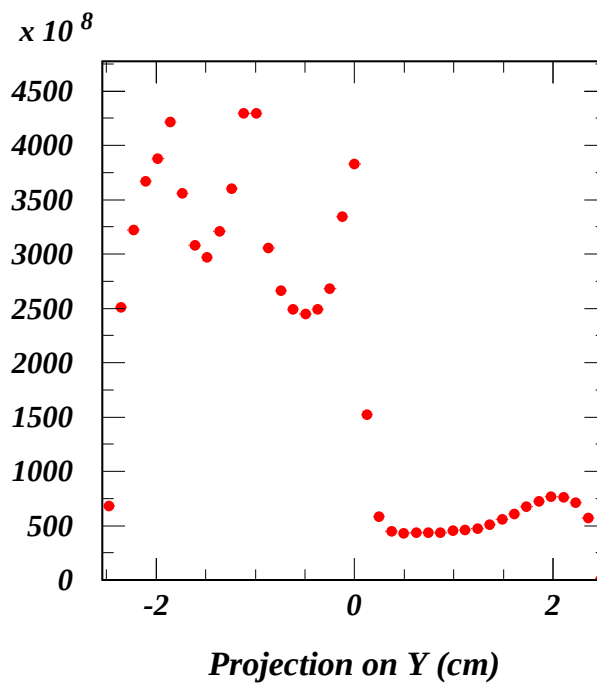
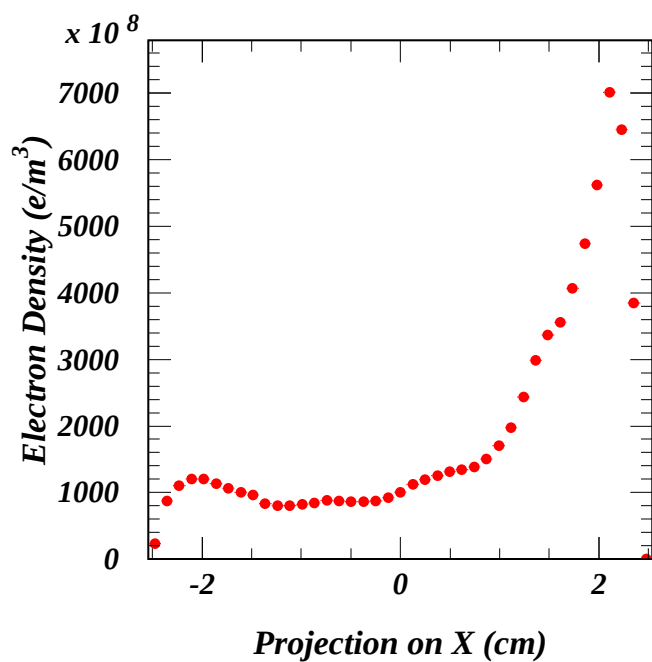
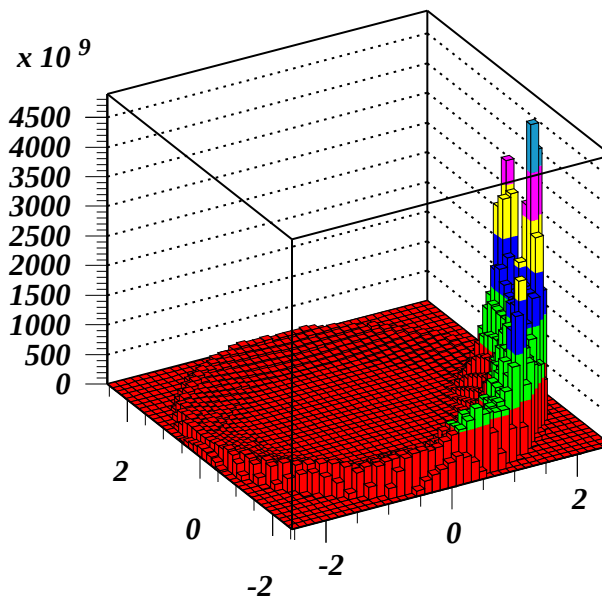
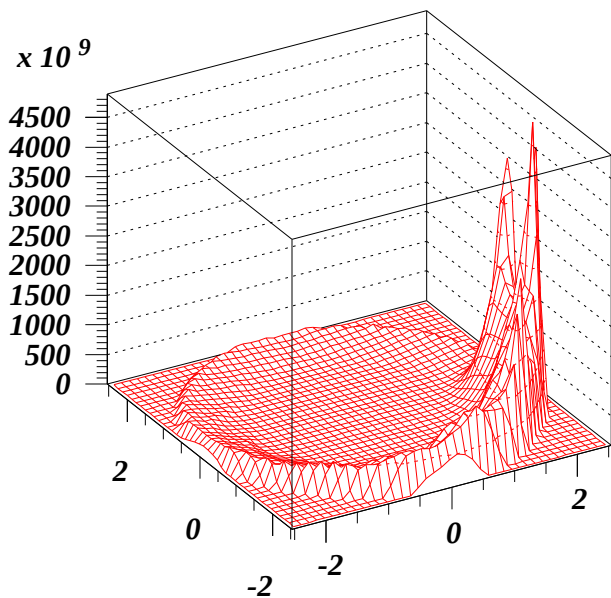
$E_{kin} > 10$ eV: 5472 macroparticles, 74843904 e-

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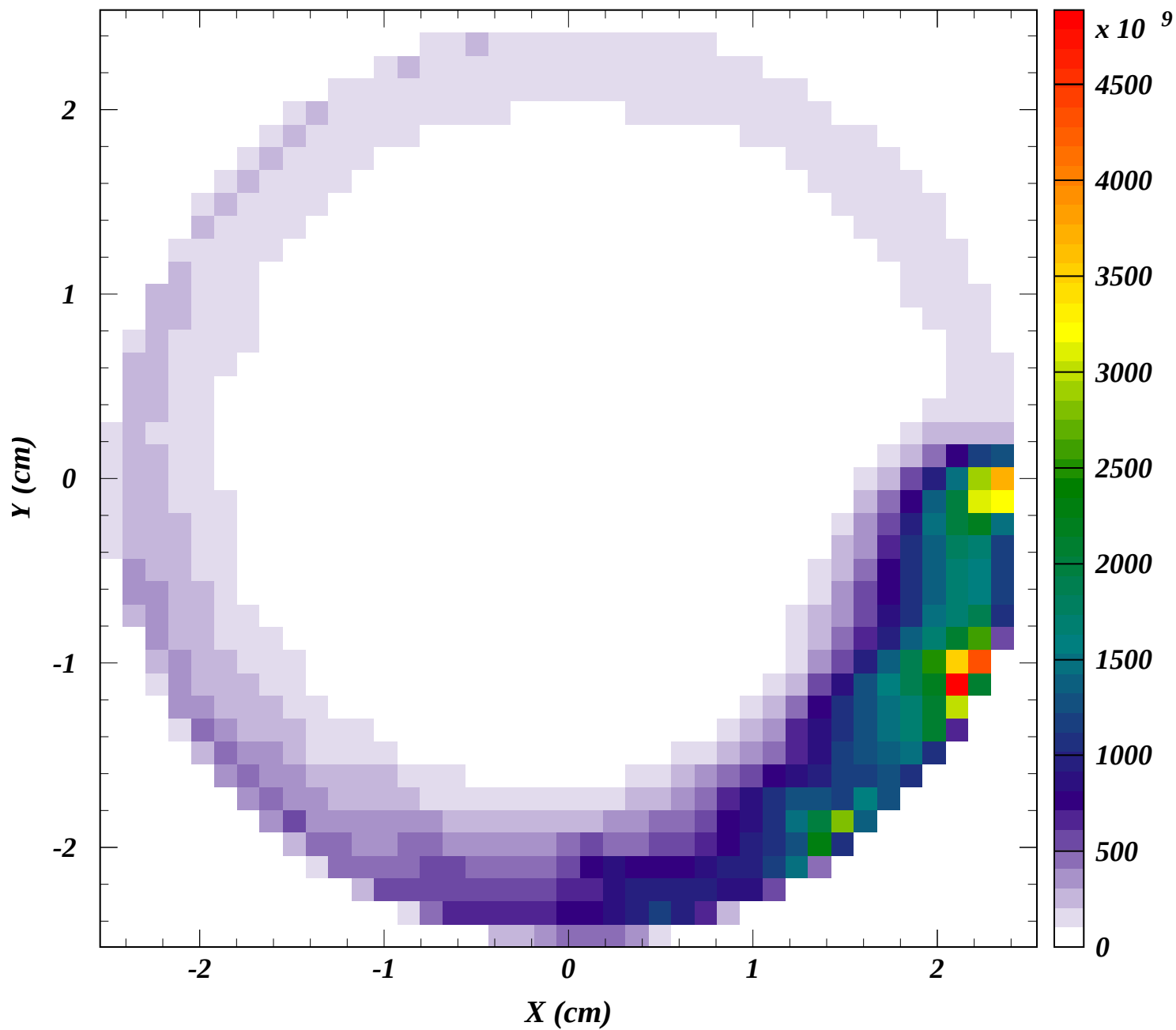


ECLOUD-DR20100308_32_sol: Time-Integrated Energies of Electrons Hitting Wall

ECLOUD-DR20100308_32_sol: Time-Integrated Energies of Electrons Hitting Wall

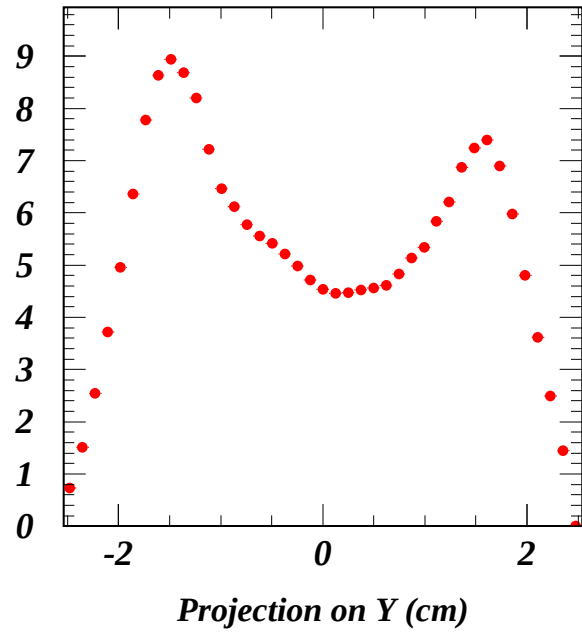
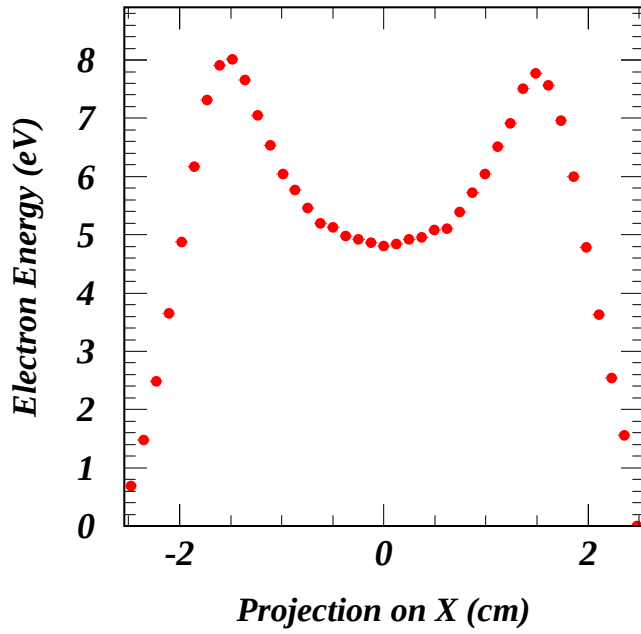
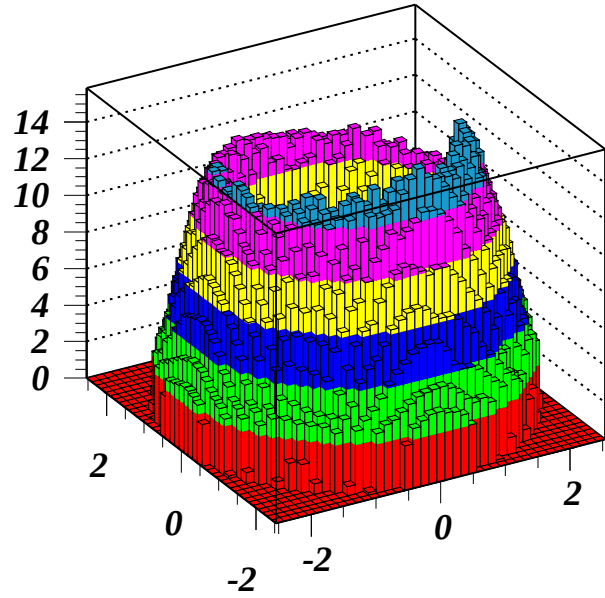
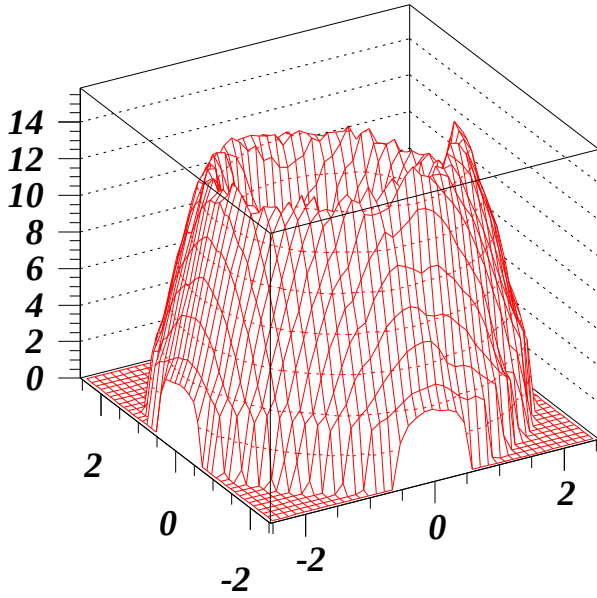
ECLLOUD-DR20100308_32_sol: Cloud Density (e/m^3) Averaged Over 1440 ns

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ECLLOUD-DR20100308_32_sol: Cloud Density (e/m^3) Averaged Over 1440 ns

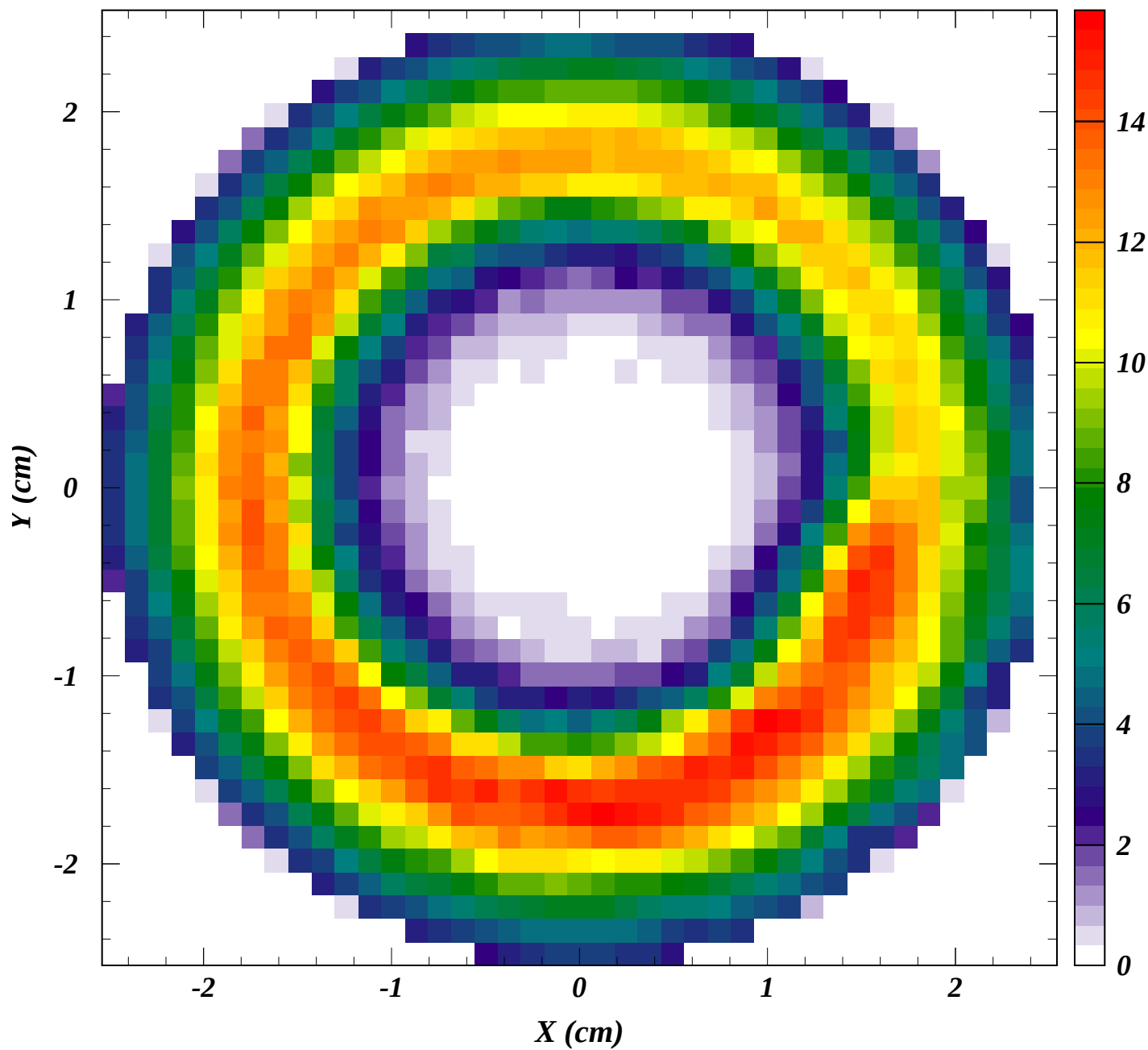


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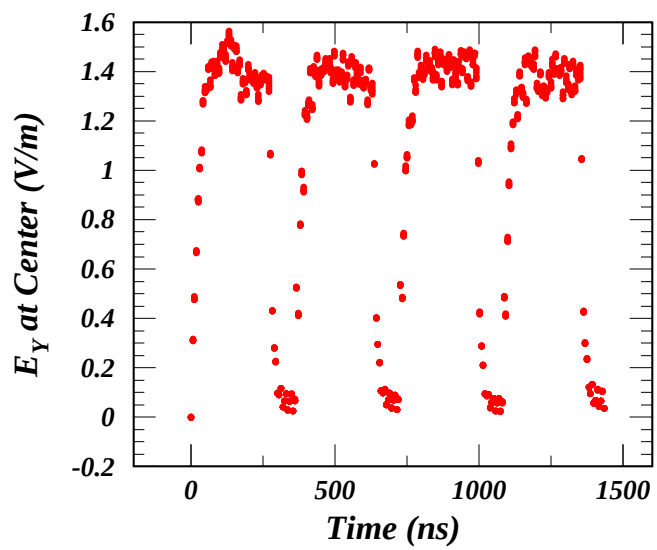
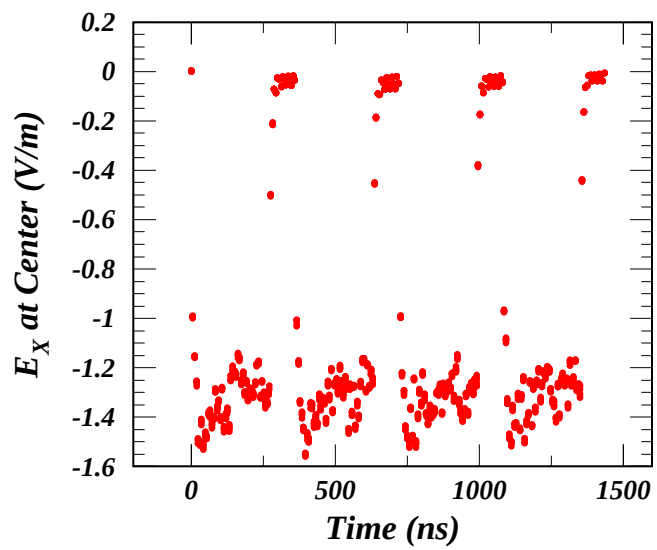
ECLOUD-DR20100308_32_sol: Electron Energies (eV) Averaged Over 1440 ns



10/03/19 13.04
ECLOUD-DR20100308_32_sol: Electron Energies (eV) Averaged Over 1440 ns



ECLOUD-DR20100308_32_sol: Electric Field at Beam



ECLLOUD-DR20100308_32_solElectric Field Gradients at Beam

