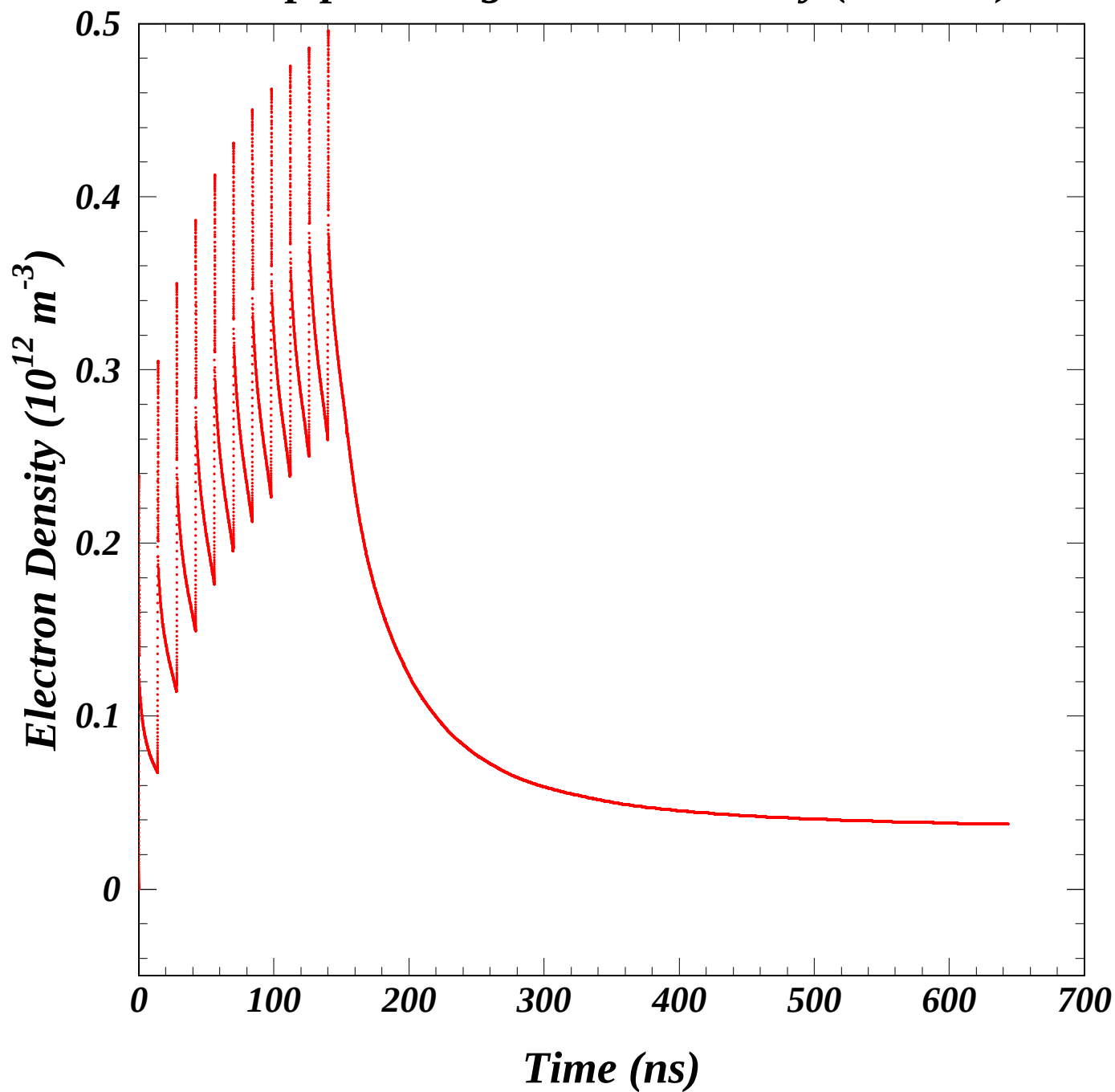
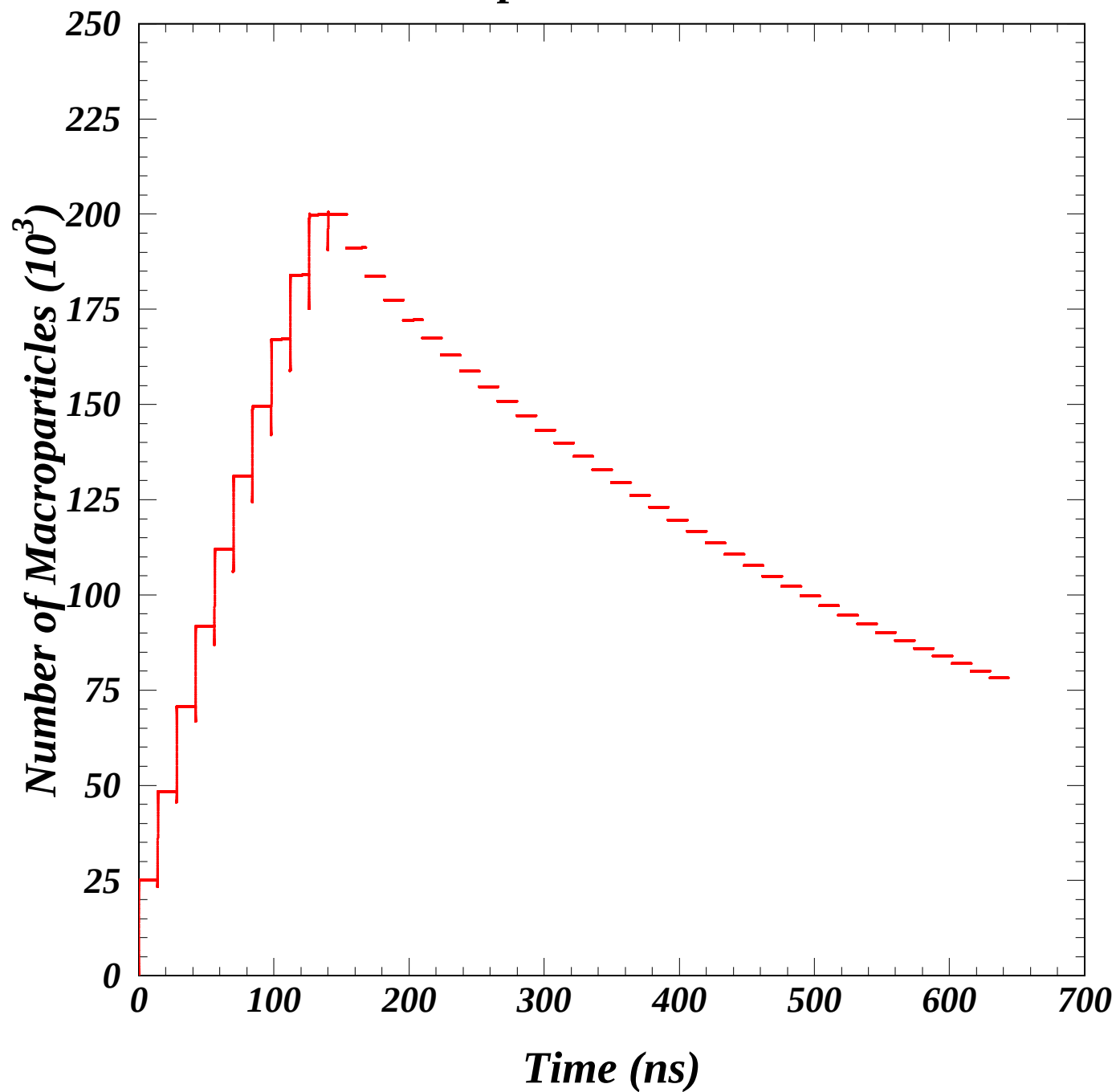
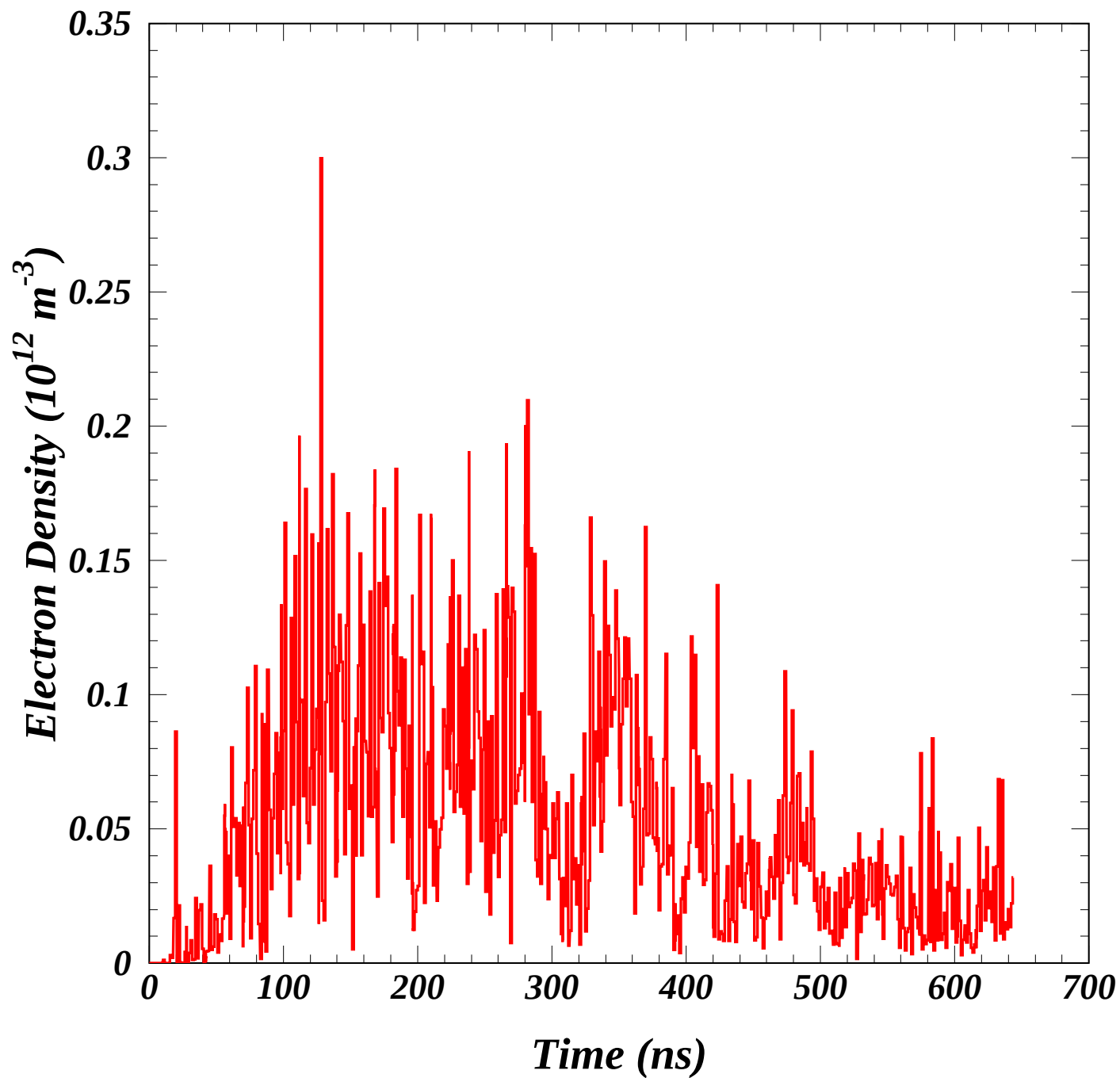
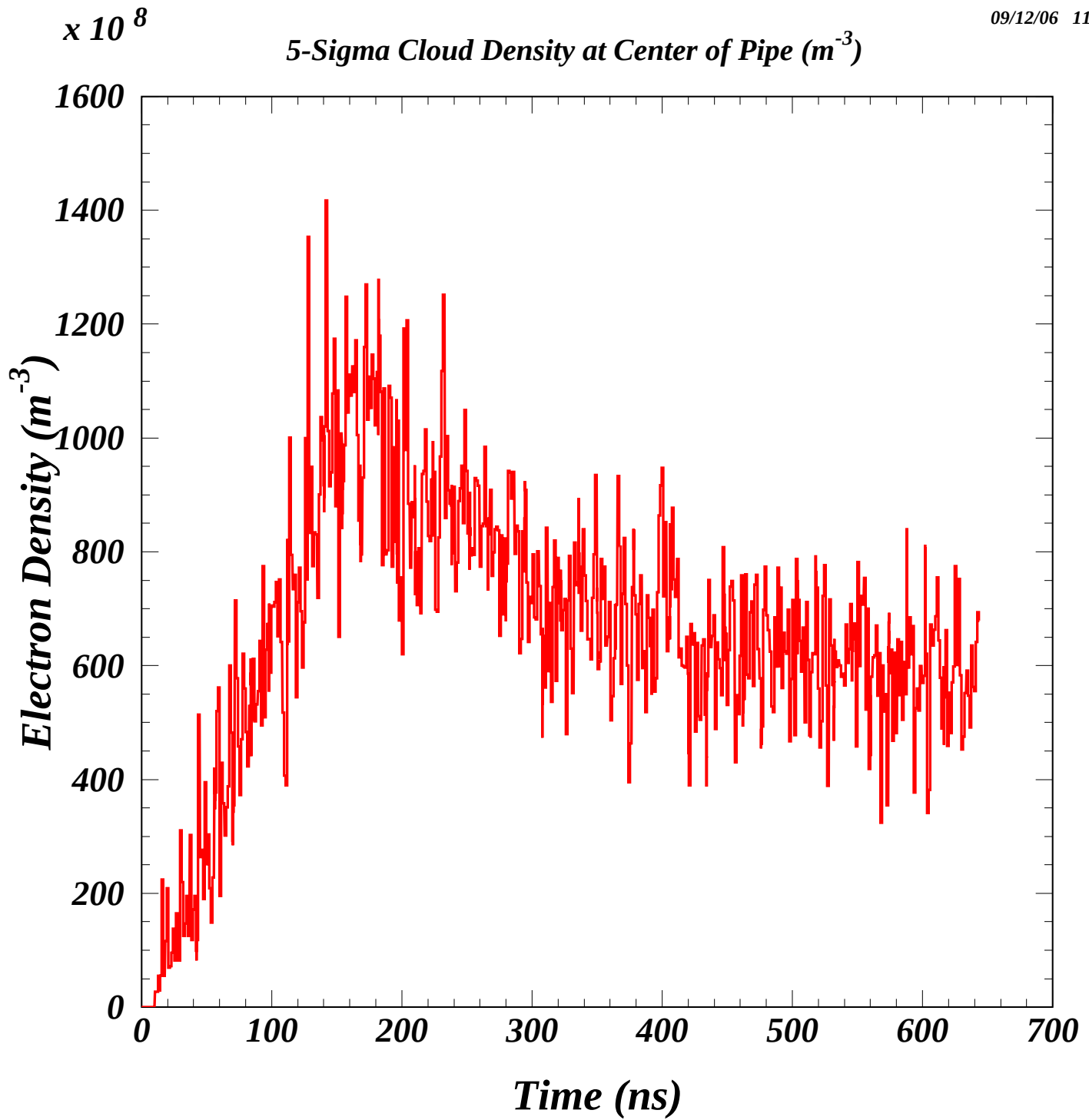


Beampipe-averaged Cloud Density (10^{12} m^{-3})

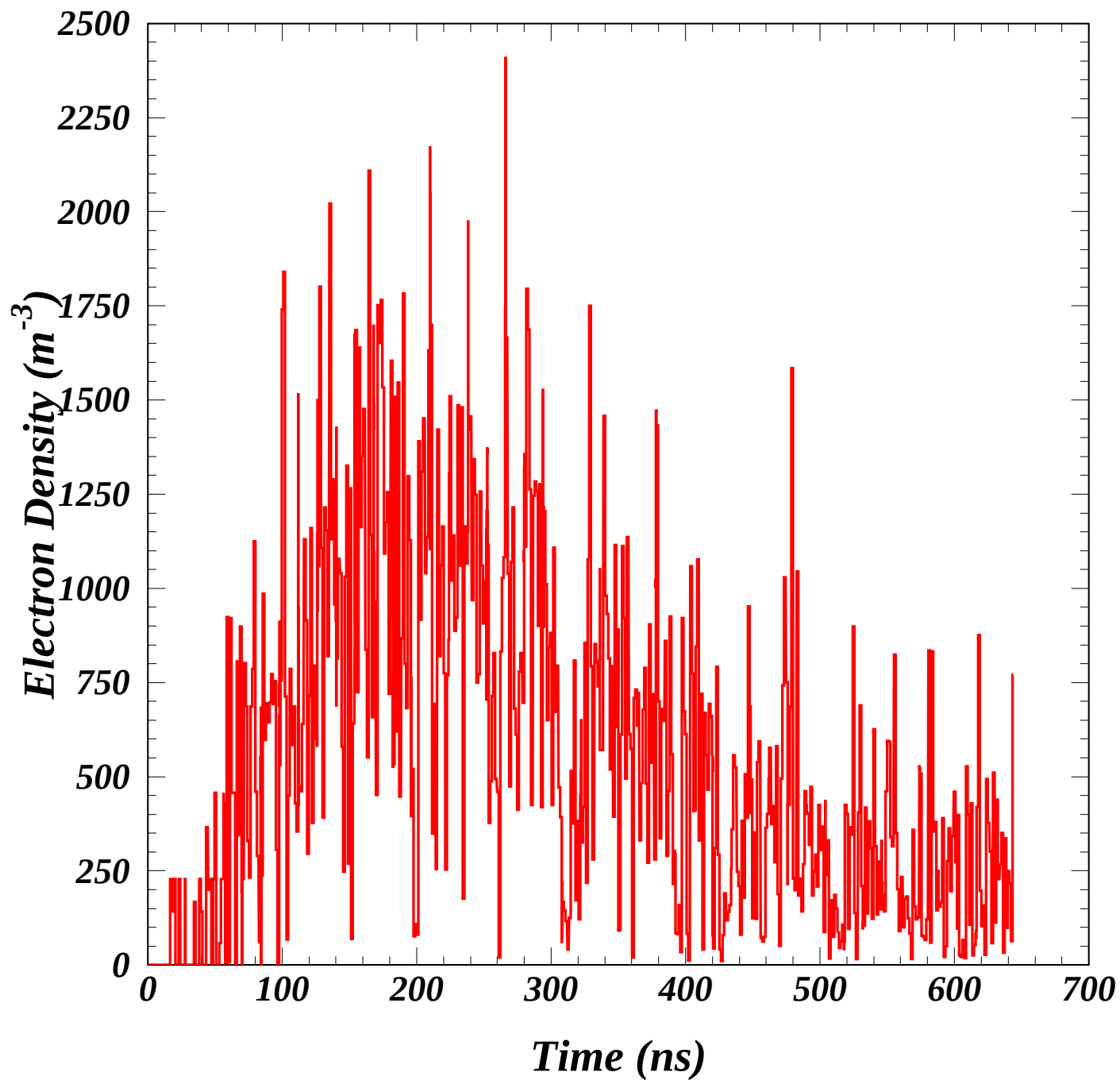
Macroparticle Statistics



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

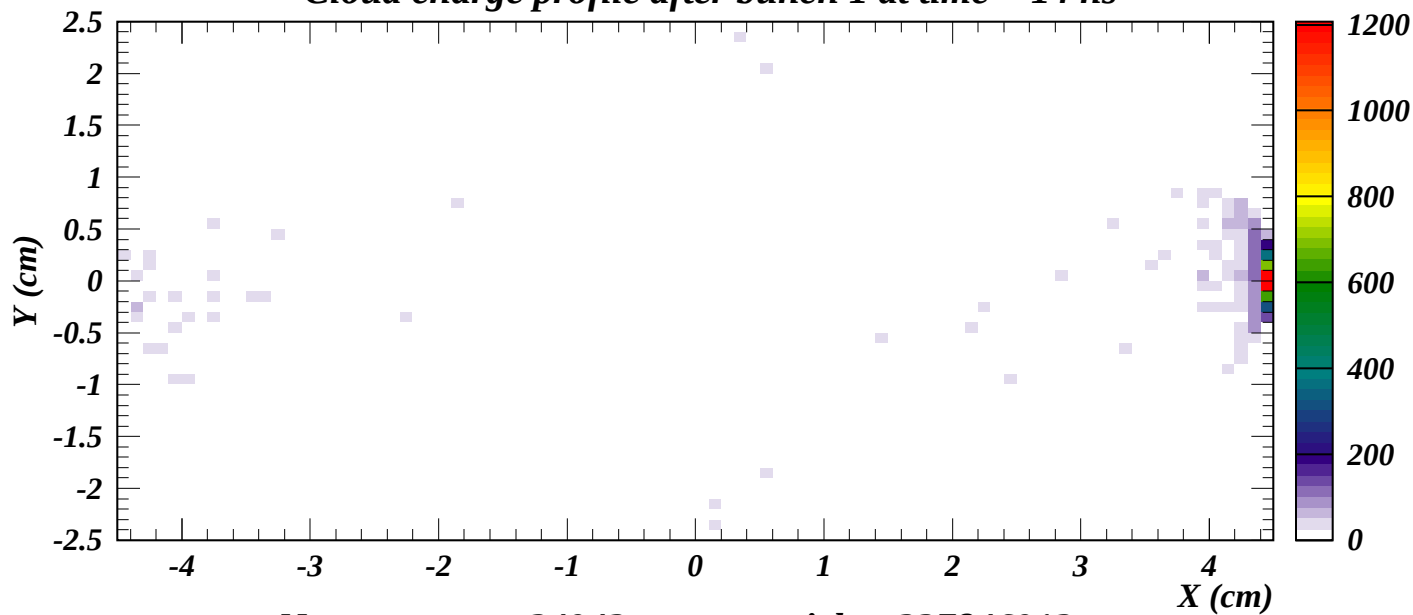
5-Sigma Cloud Density at Center of Pipe (m^{-3})

$\times 10^8$ 09/12/06 11.21
ECLLOUD-TS0608_SEY20_Epk310: Cloud Density in Central Grid Cell (m^{-3})

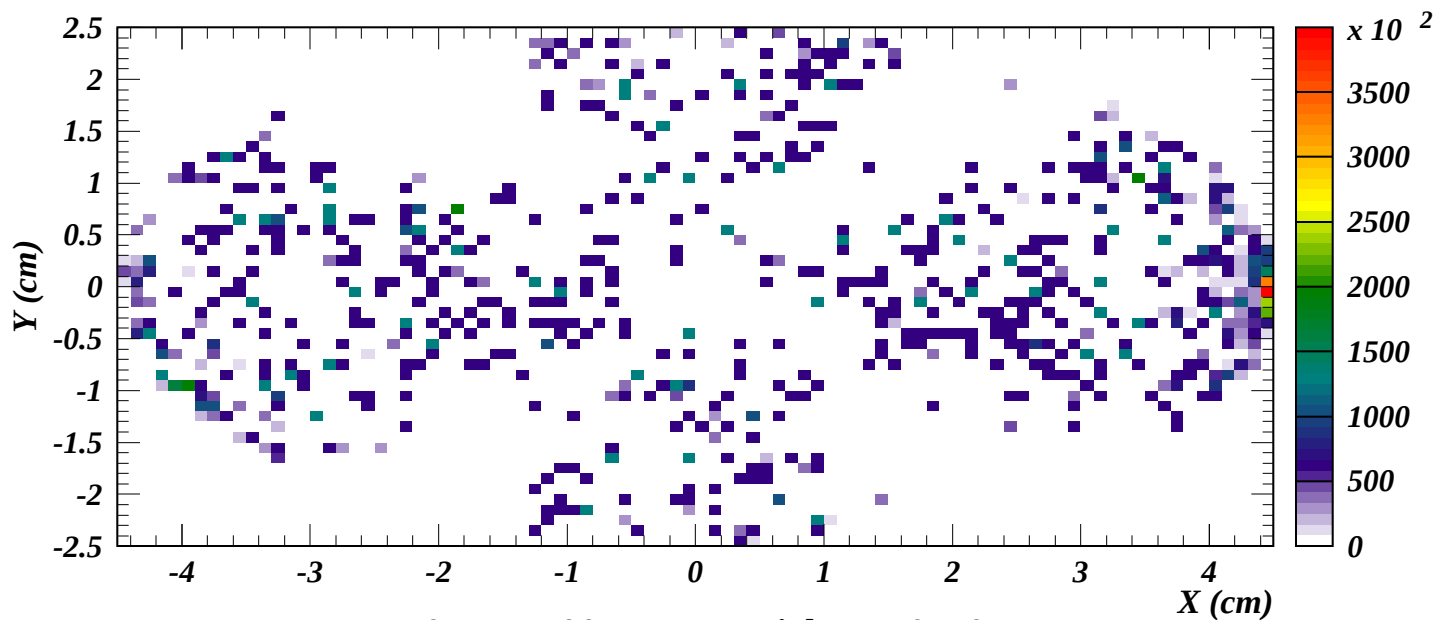


09/12/06 11.22
 $\times 10^4$

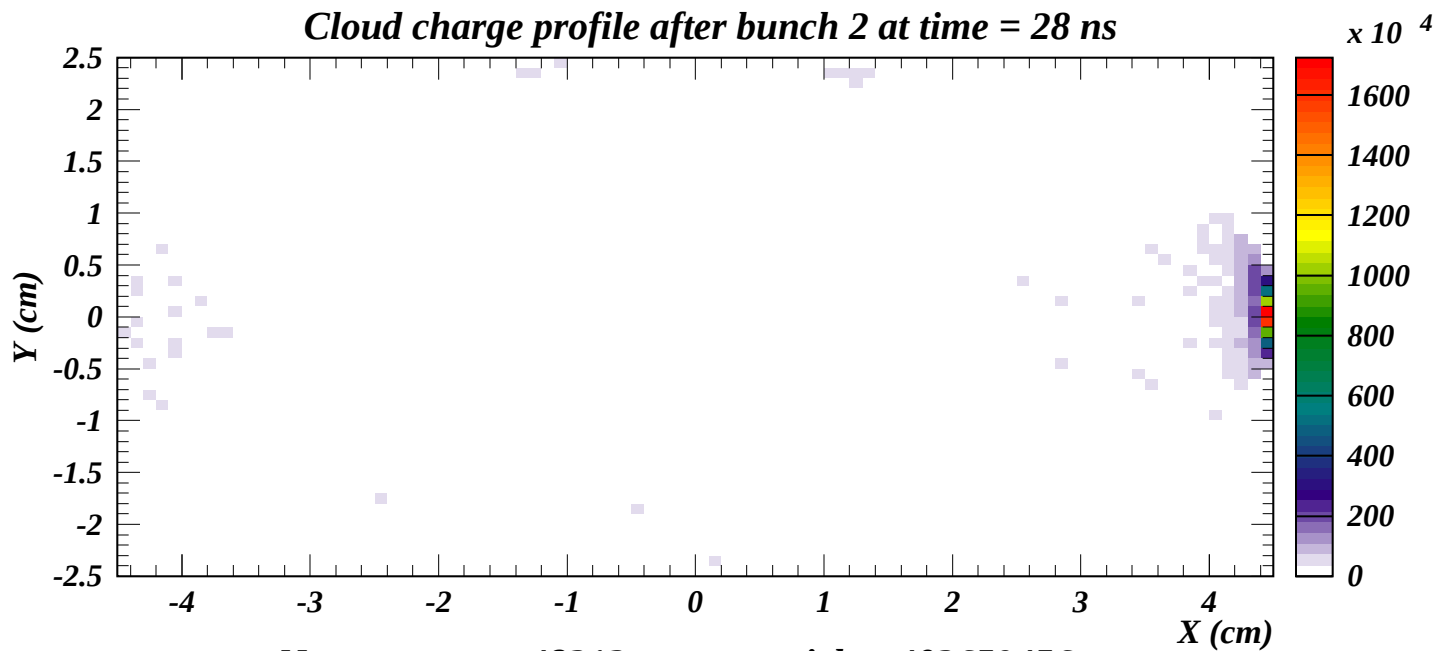
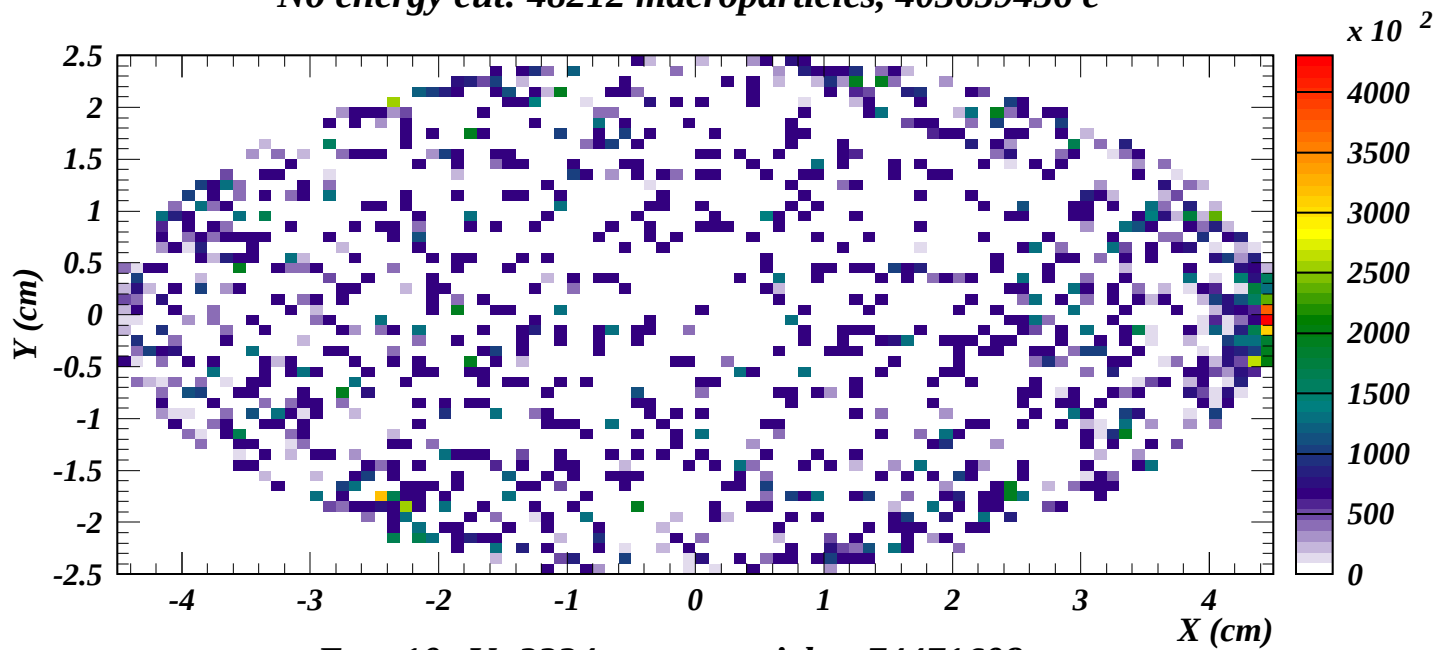
Cloud charge profile after bunch 1 at time = 14 ns



No energy cut: 24942 macroparticles, 237846912 e-

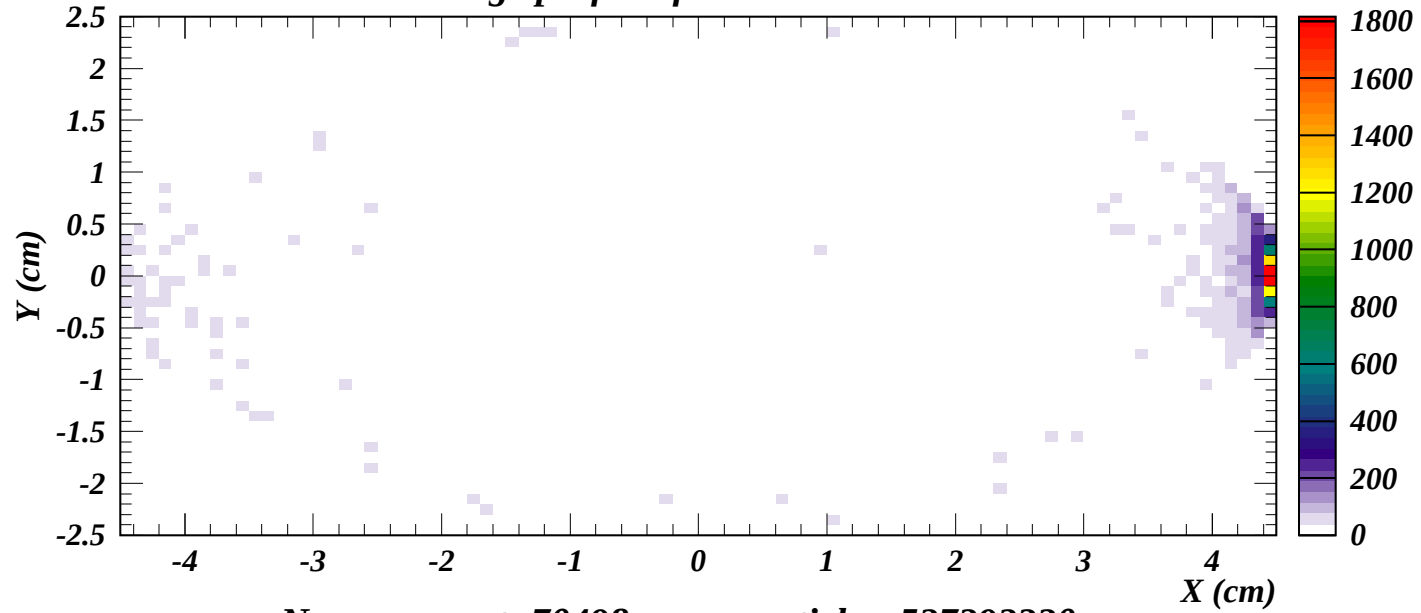


$E_{kin} > 10 \text{ eV}$: 1200 macroparticles, 44072036 e-

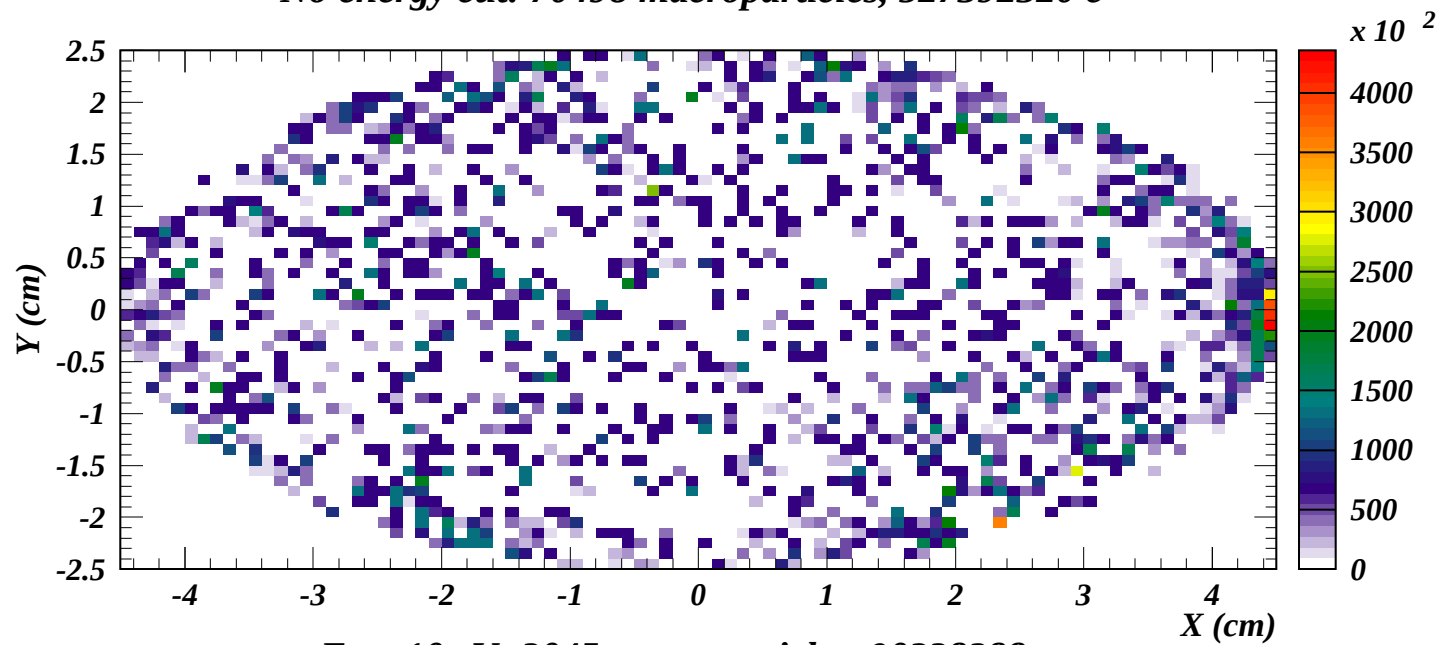
Cloud charge profile after bunch 2 at time = 28 ns*No energy cut: 48212 macroparticles, 403659456 e-* *$E_{kin} > 10 \text{ eV}$: 2224 macroparticles, 74471608 e-*

09/12/06 11.22
 $\times 10^{-4}$

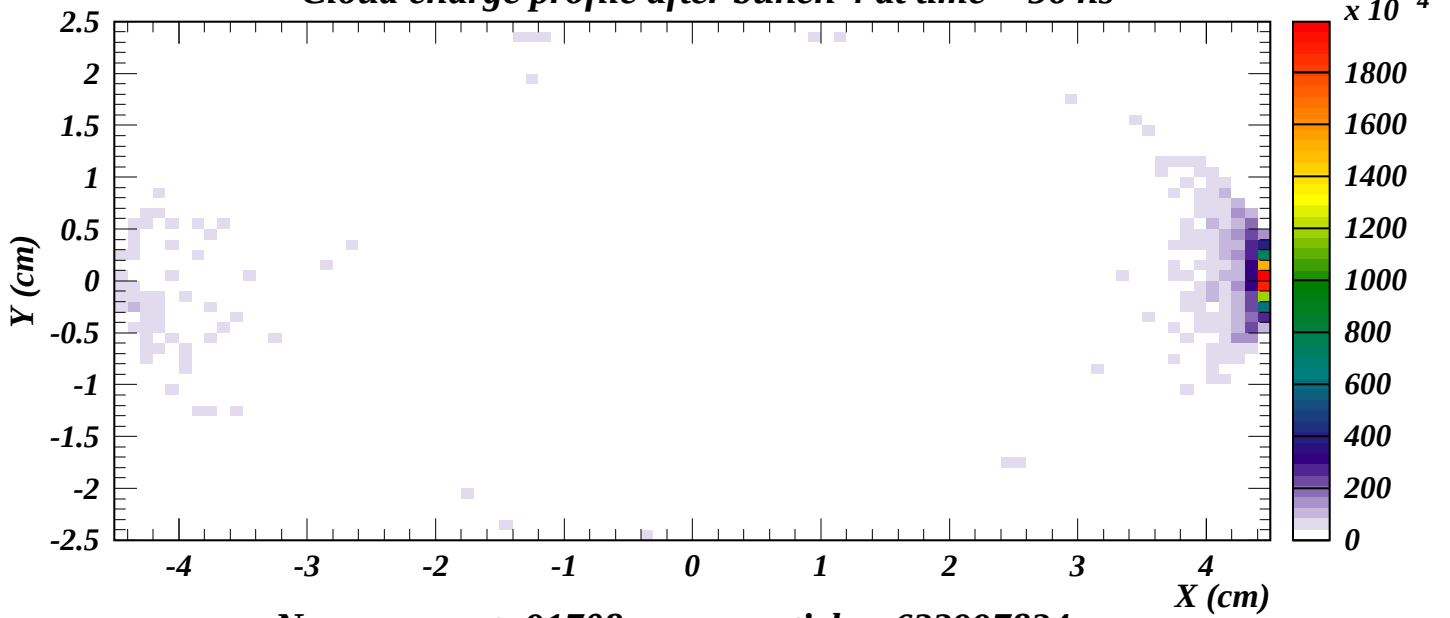
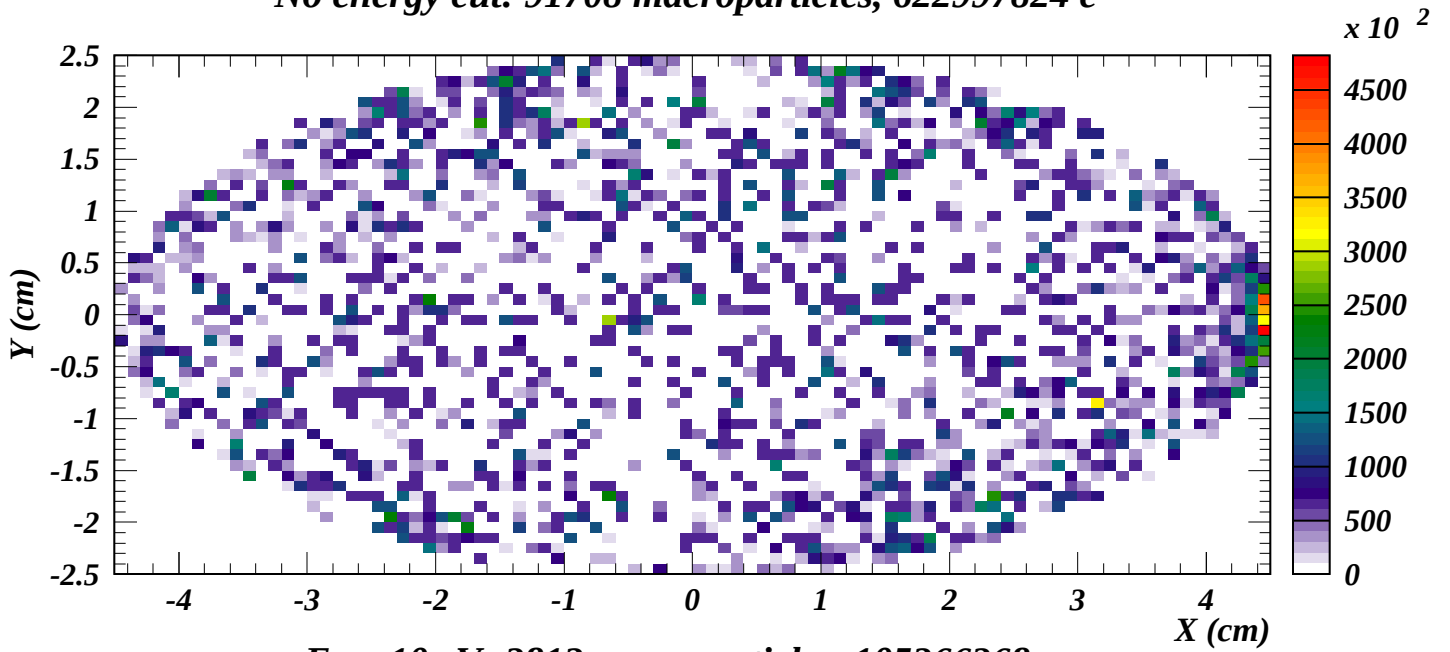
Cloud charge profile after bunch 3 at time = 42 ns

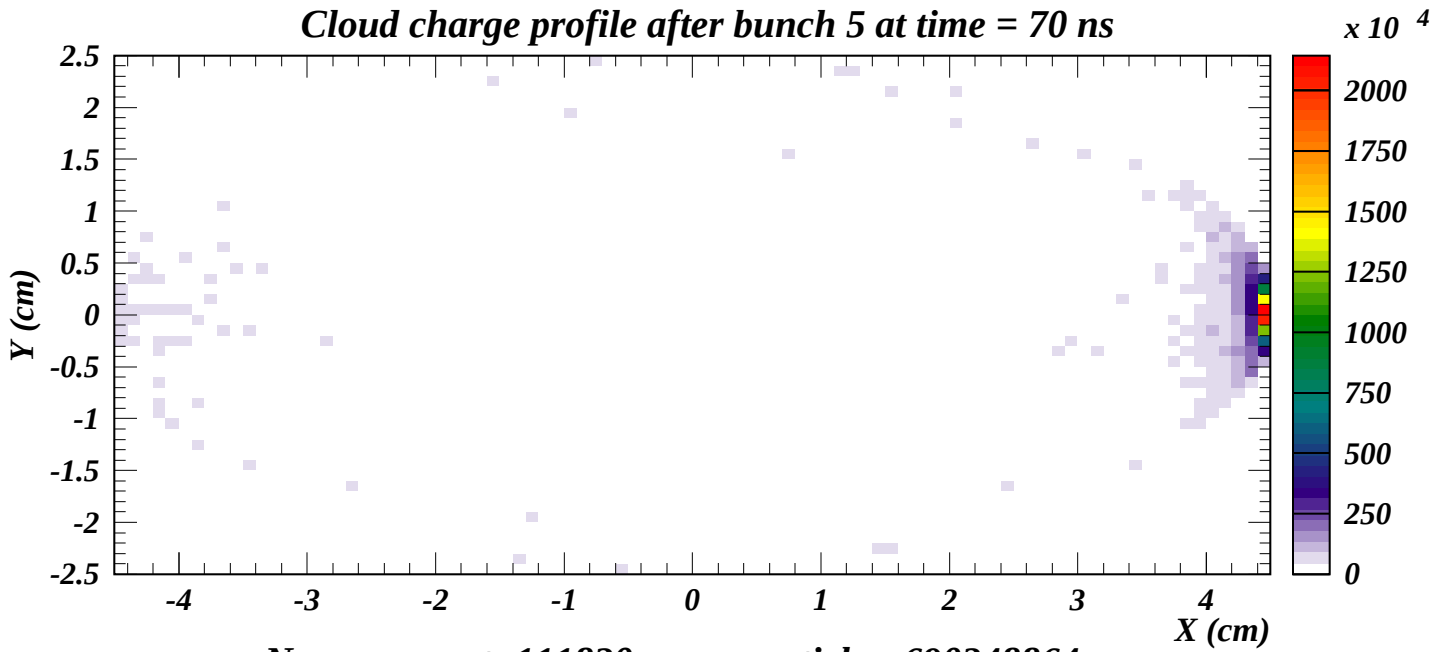
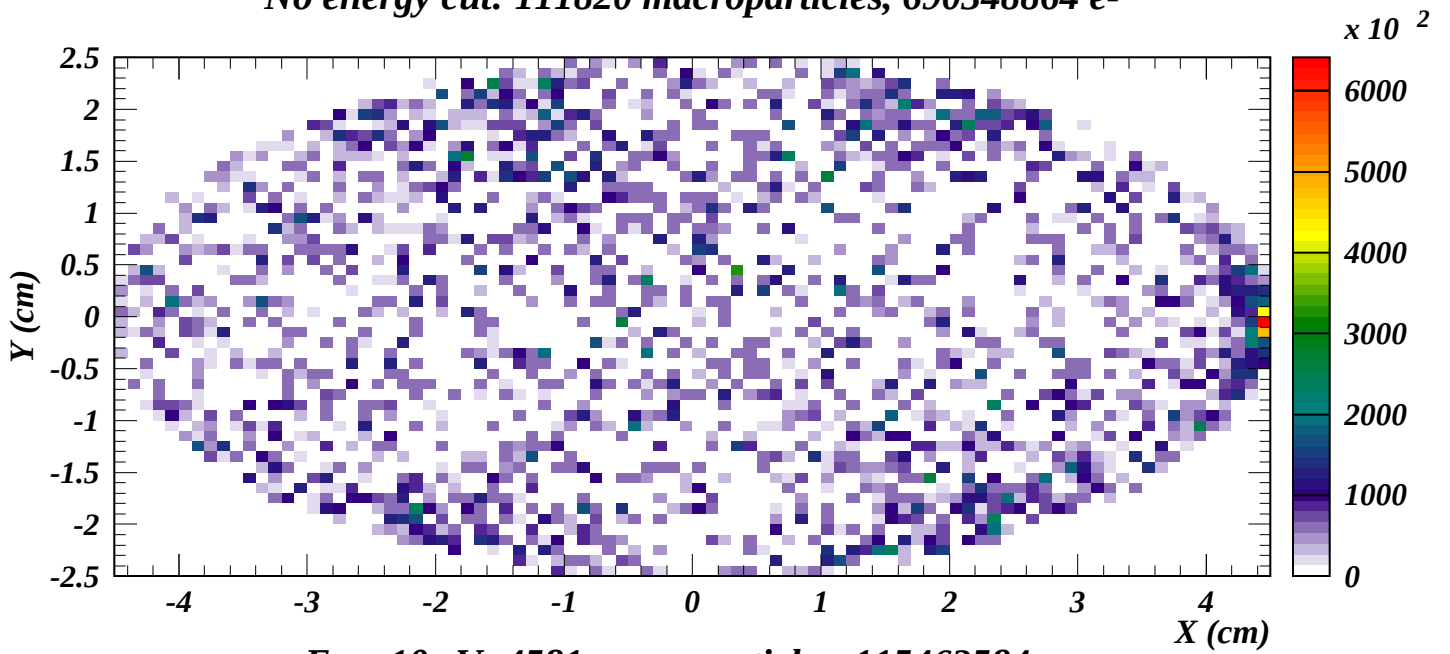


No energy cut: 70498 macroparticles, 527392320 e-



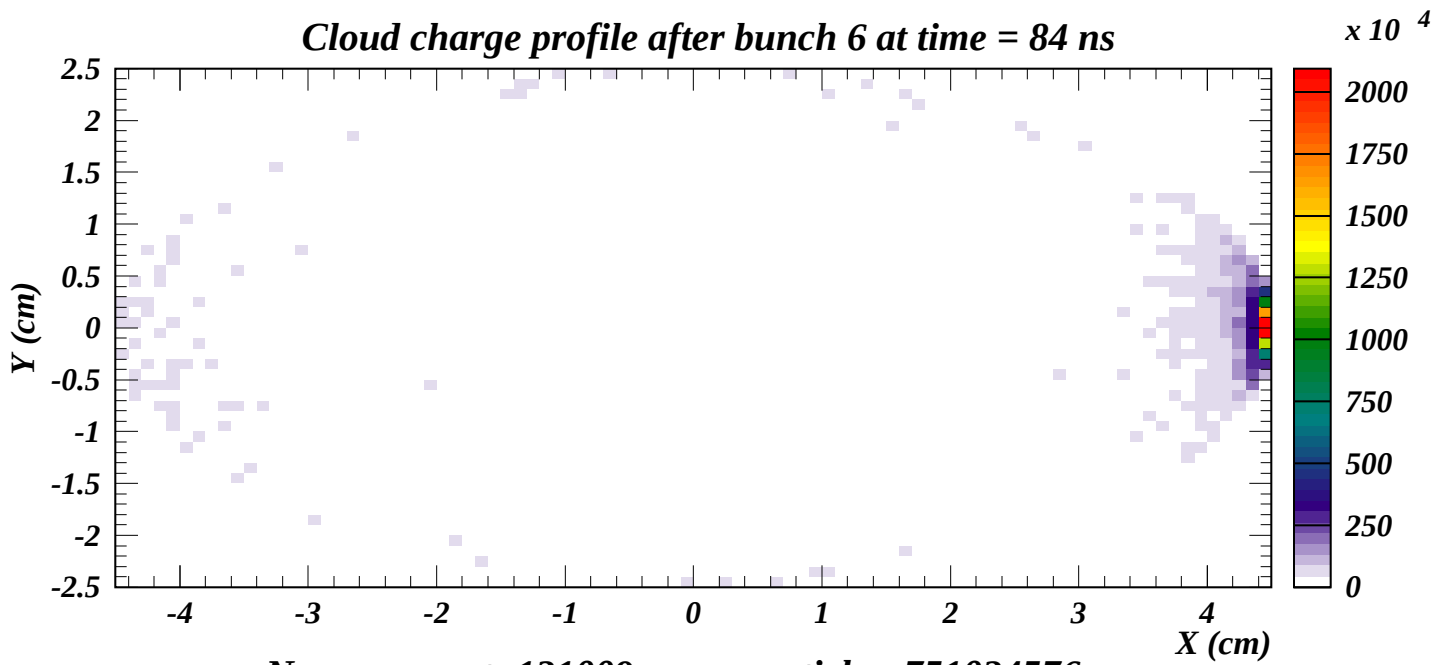
$E_{kin} > 10$ eV: 3045 macroparticles, 90238288 e-

Cloud charge profile after bunch 4 at time = 56 ns*No energy cut: 91708 macroparticles, 622997824 e-* *$E_{kin} > 10$ eV: 3812 macroparticles, 105366368 e-*

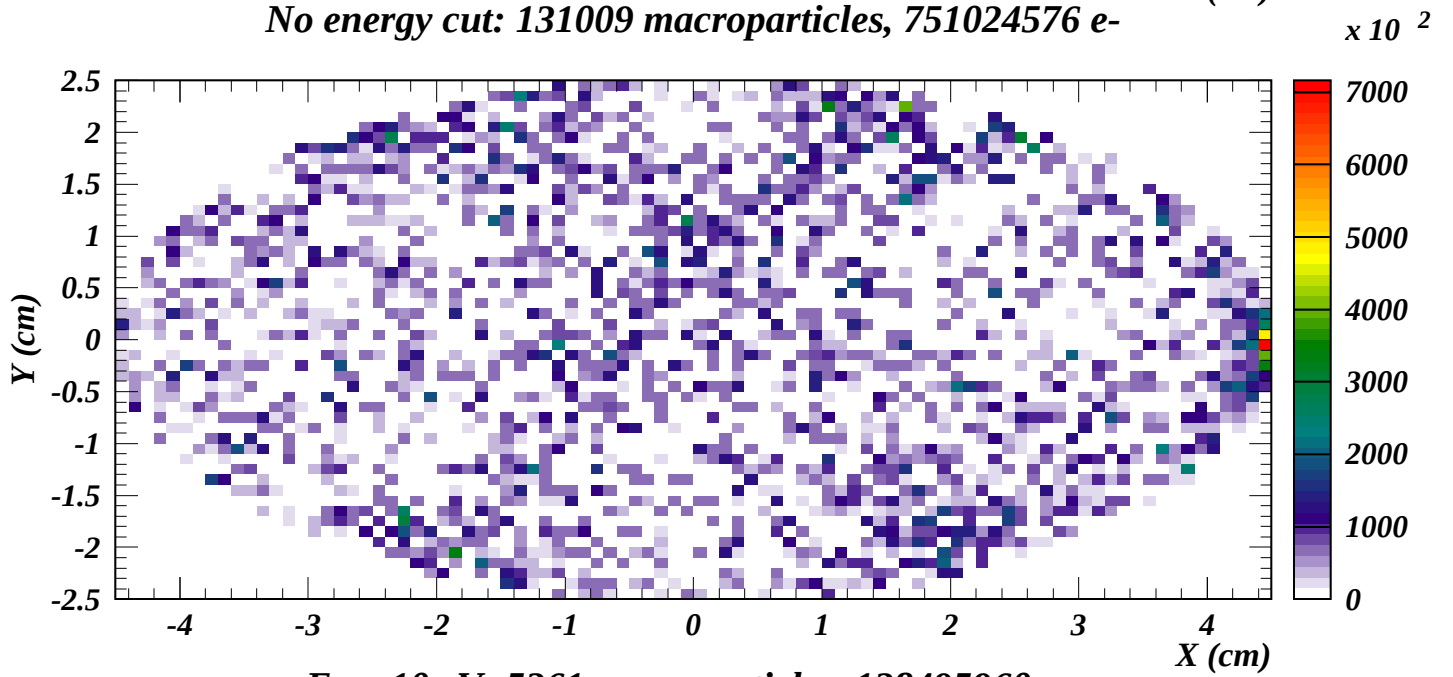
Cloud charge profile after bunch 5 at time = 70 ns*No energy cut: 111820 macroparticles, 690348864 e-* *$E_{kin} > 10$ eV: 4581 macroparticles, 115463584 e-*

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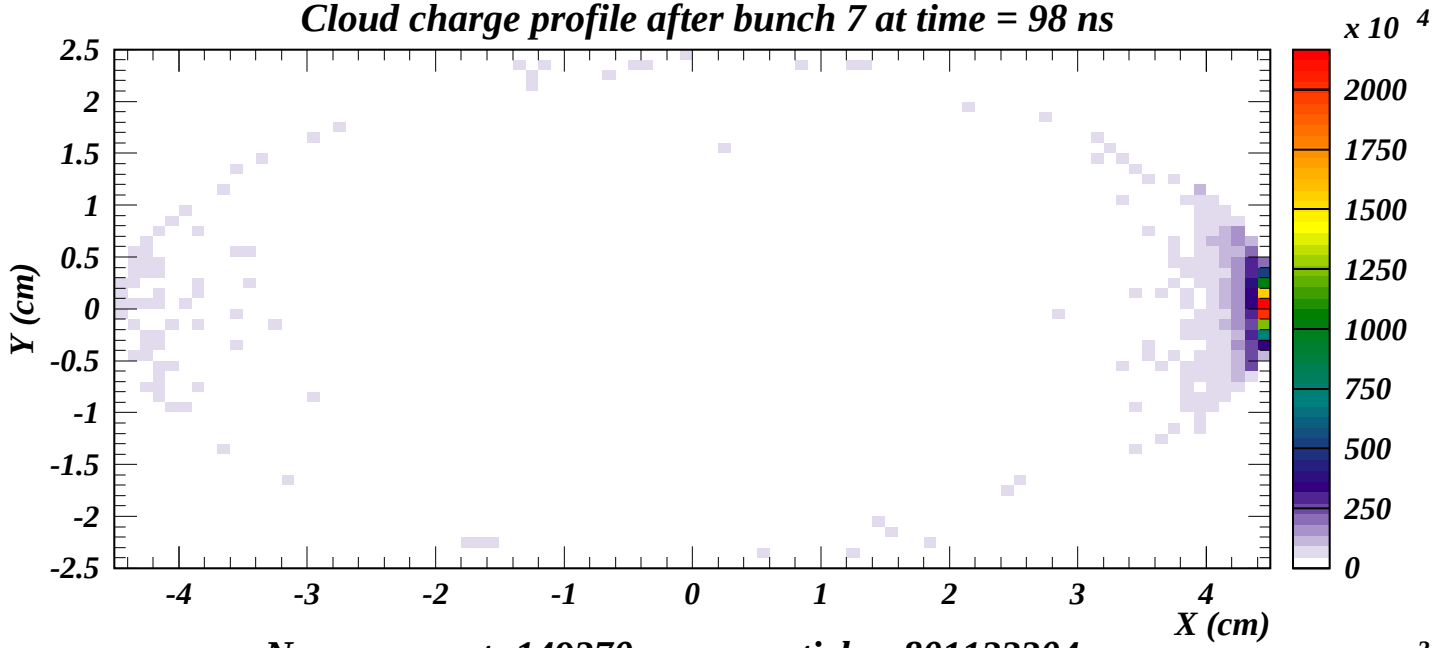
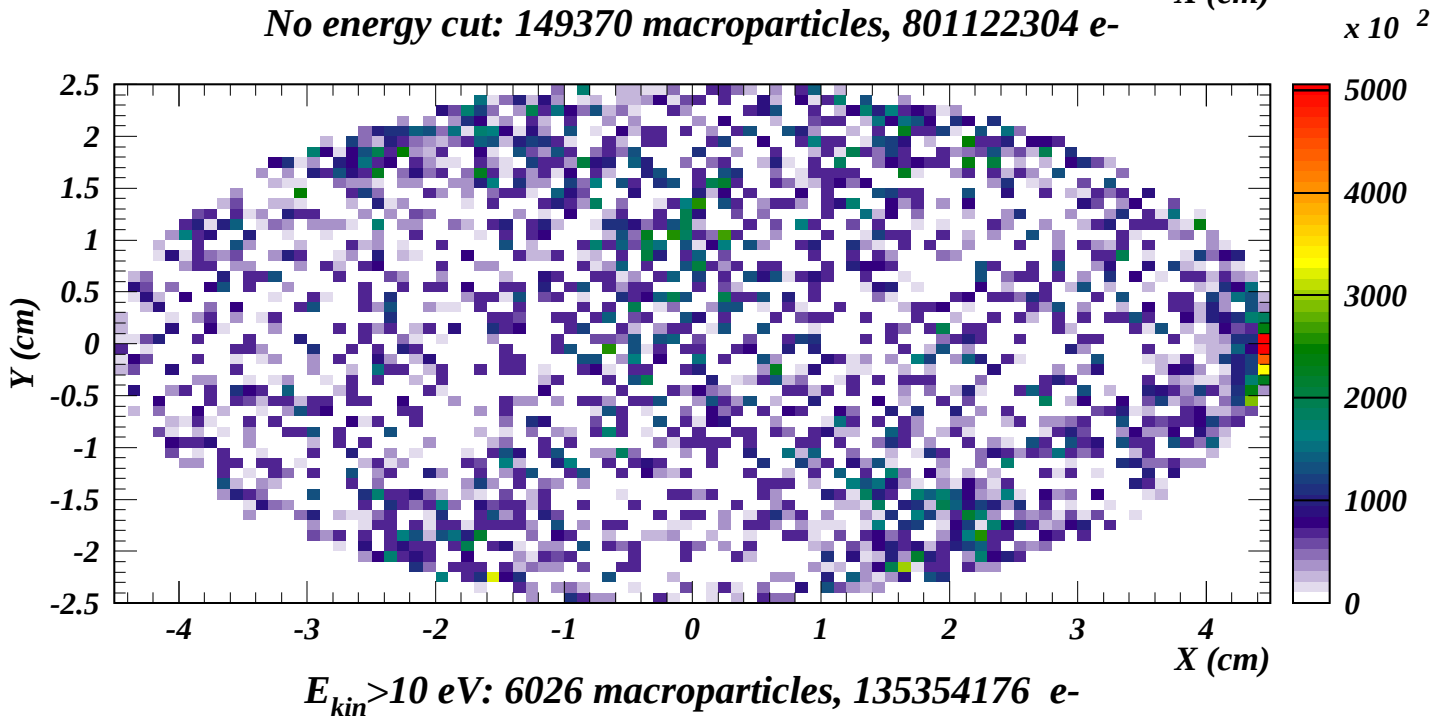
Cloud charge profile after bunch 6 at time = 84 ns

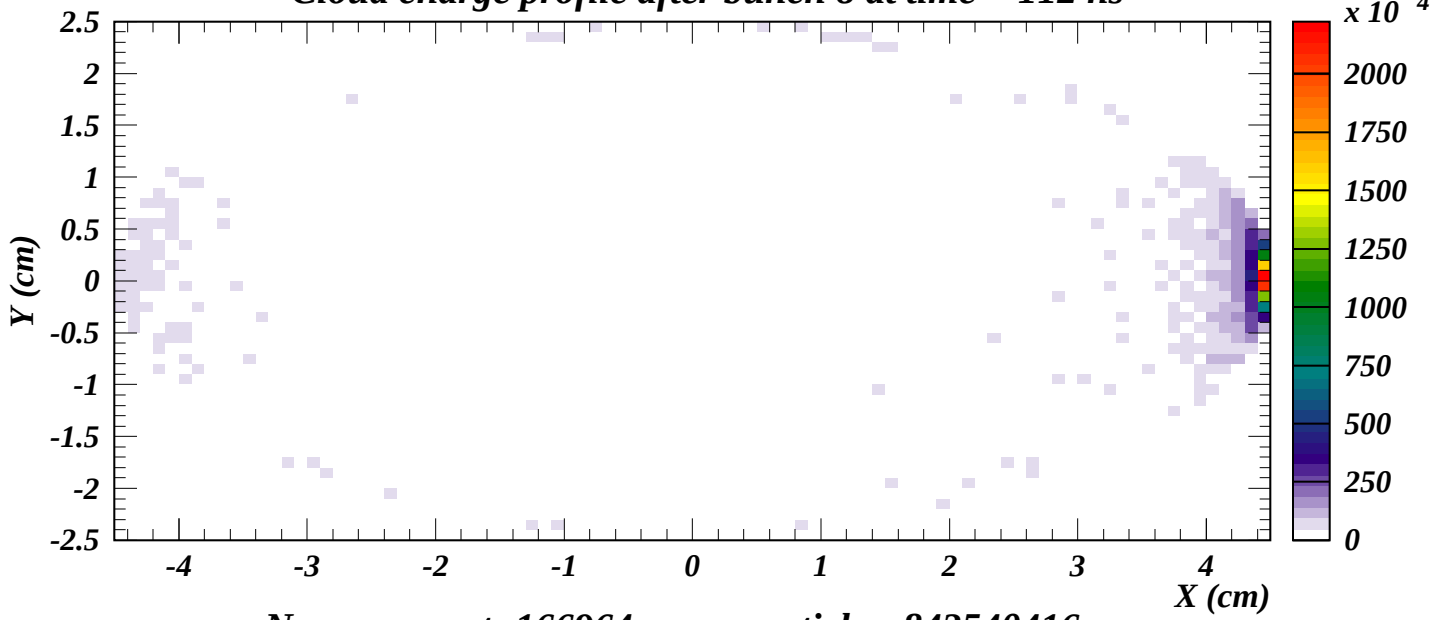
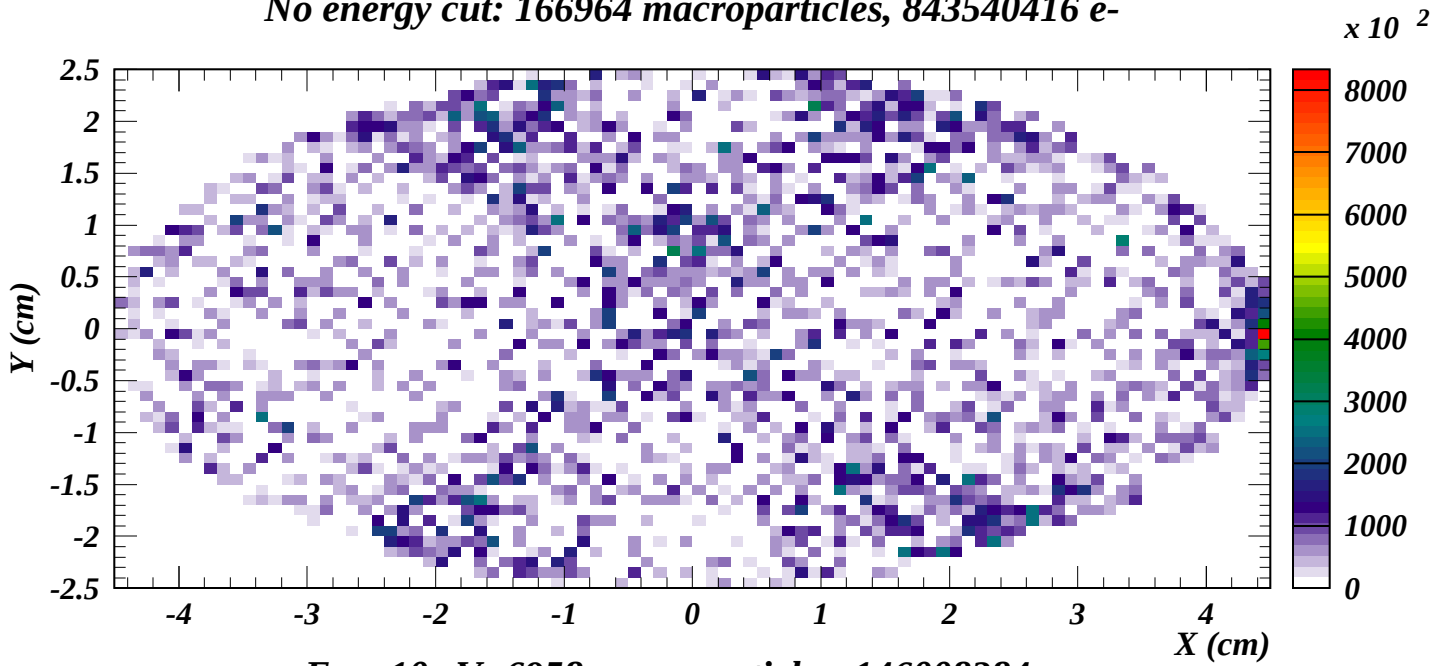


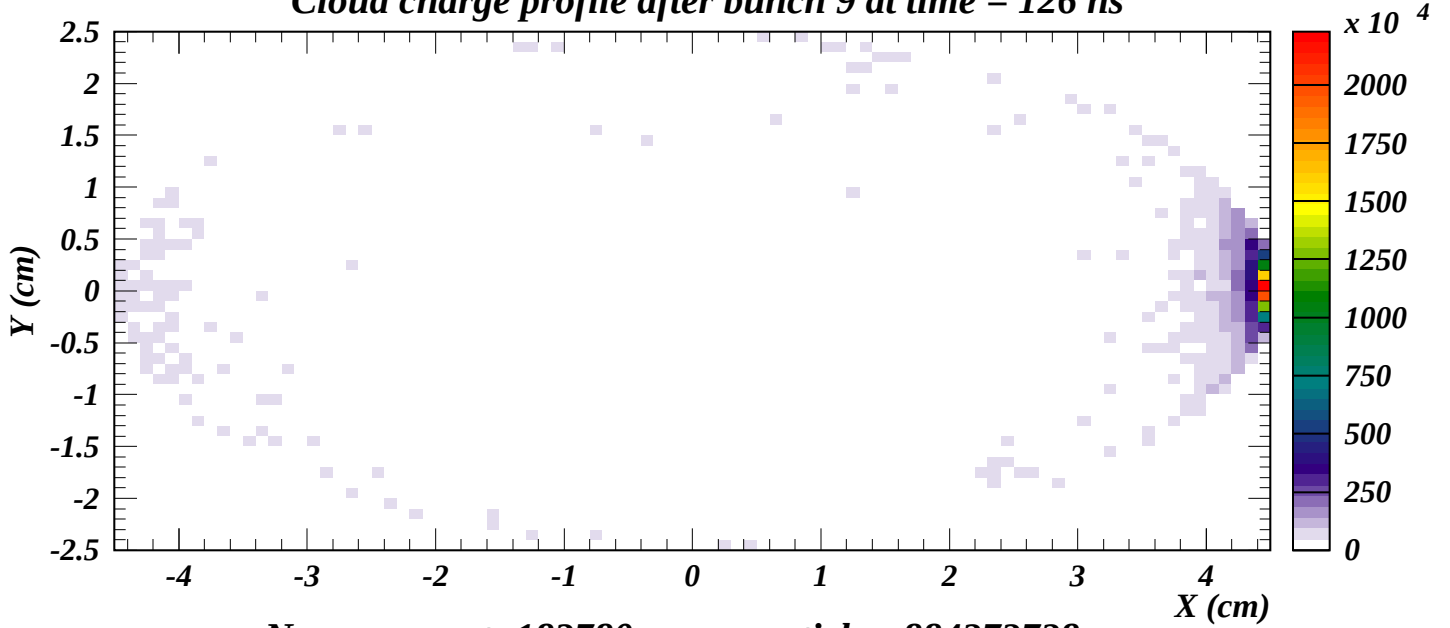
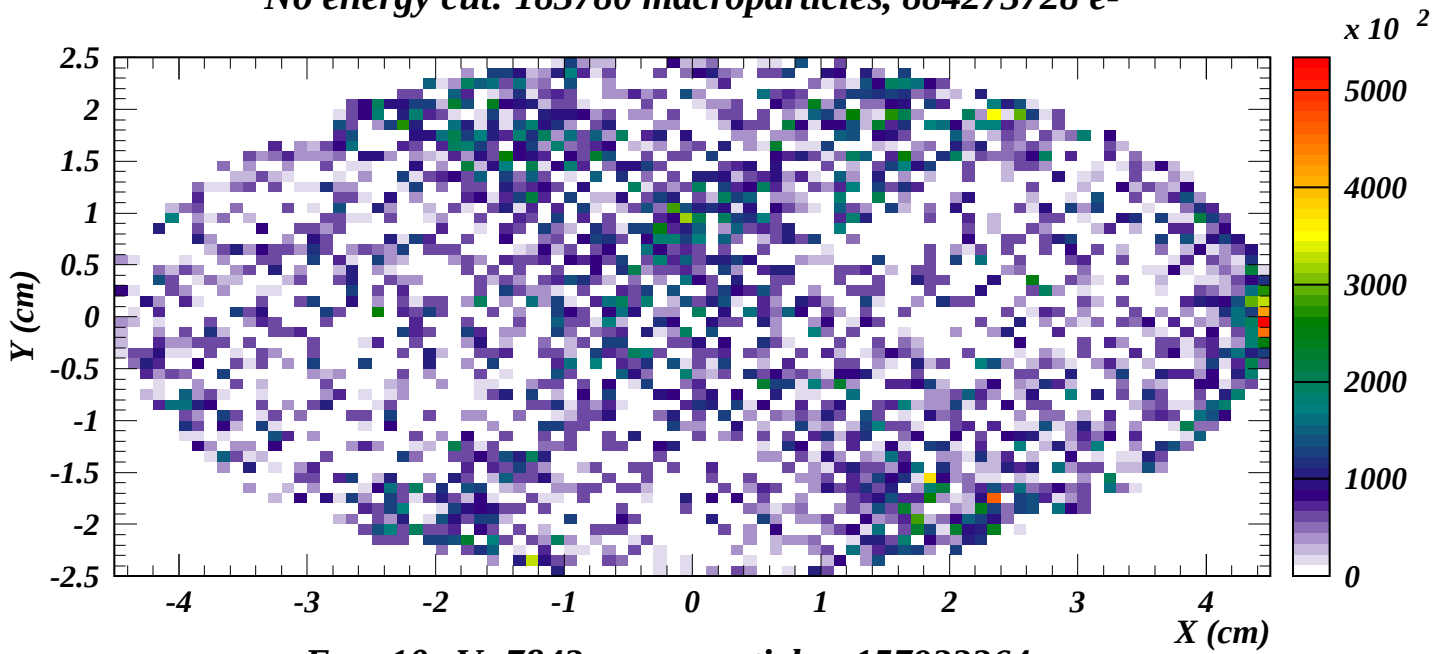
No energy cut: 131009 macroparticles, 751024576 e-

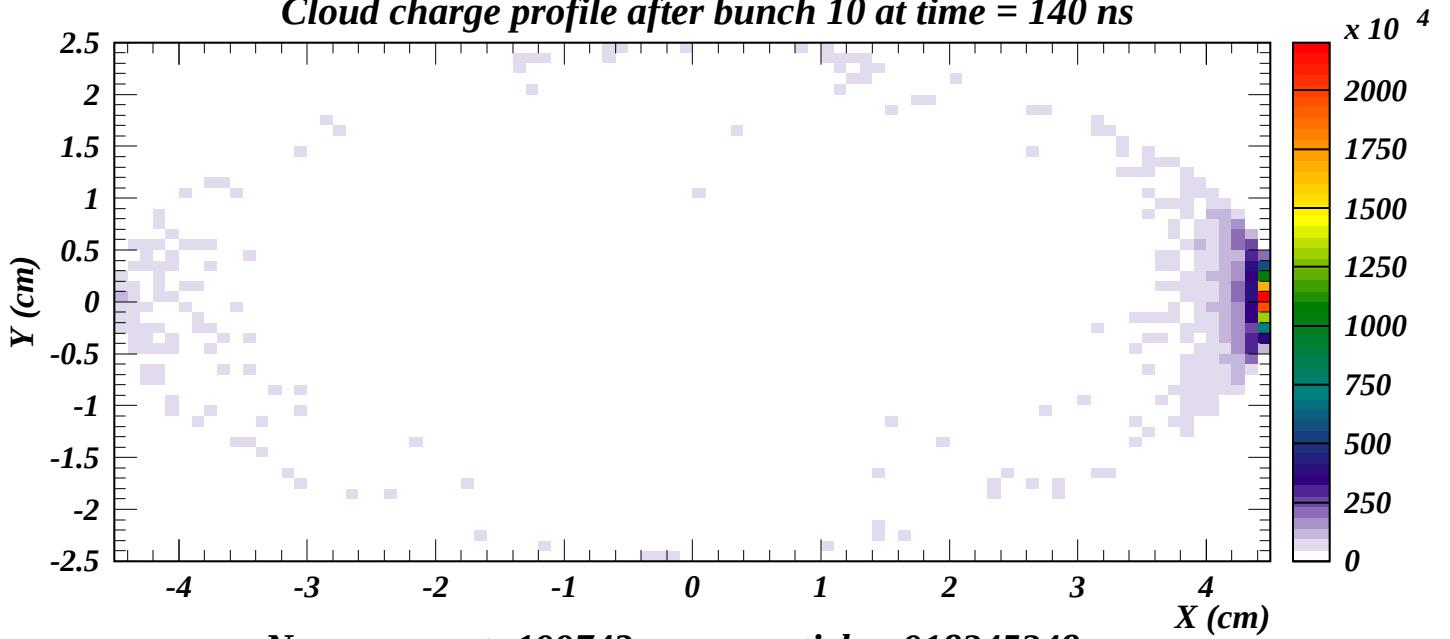
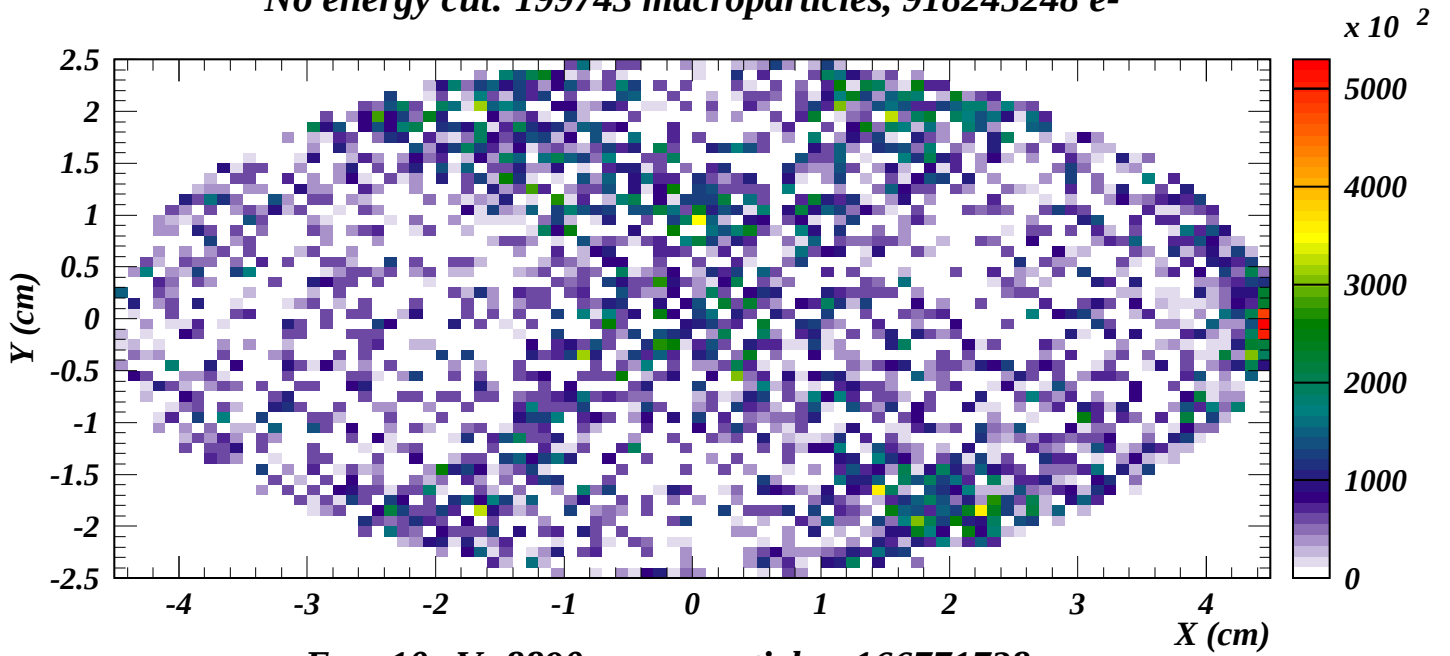


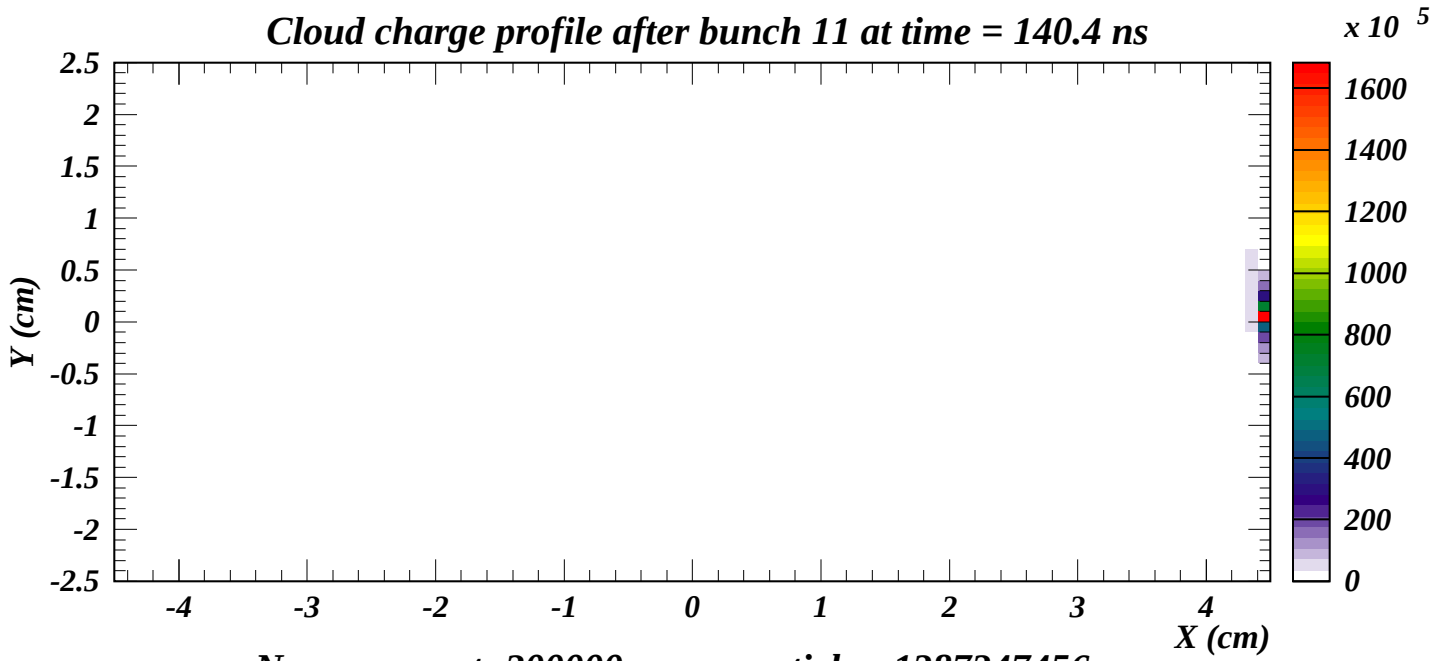
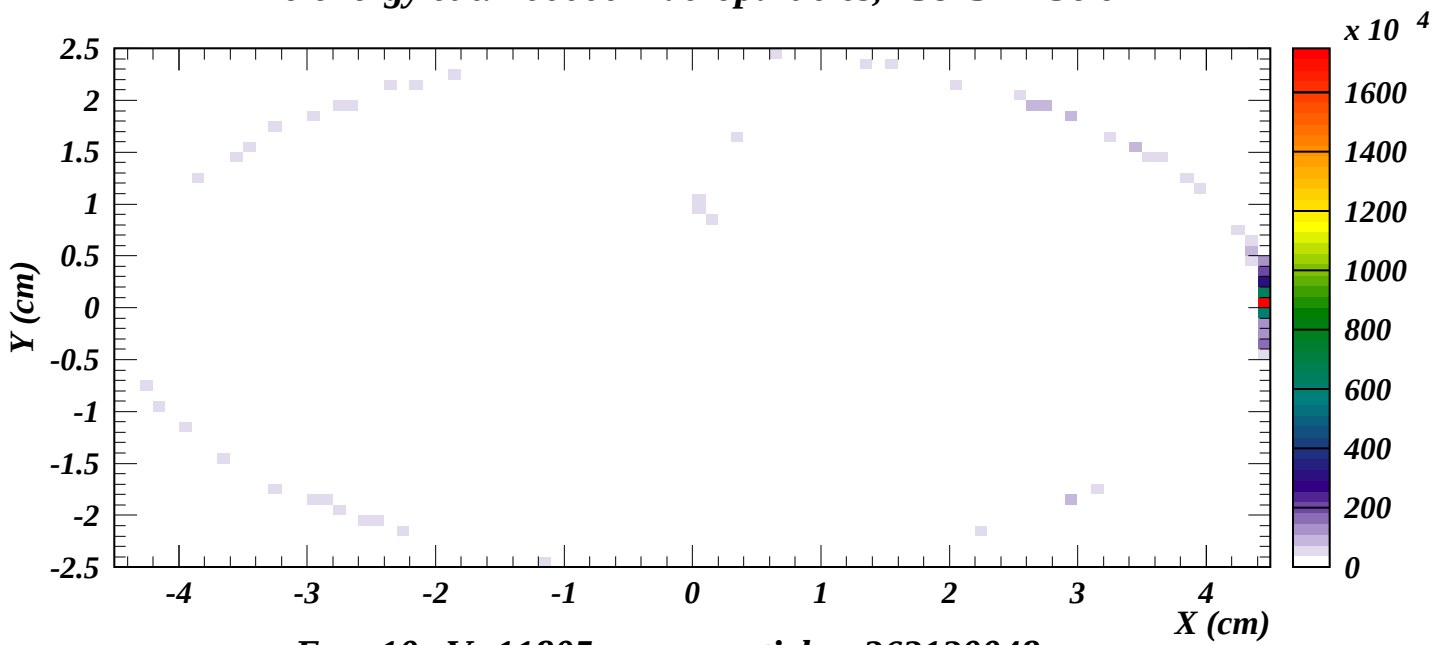
$E_{\text{kin}} > 10$ eV: 5361 macroparticles, 128495960 e-

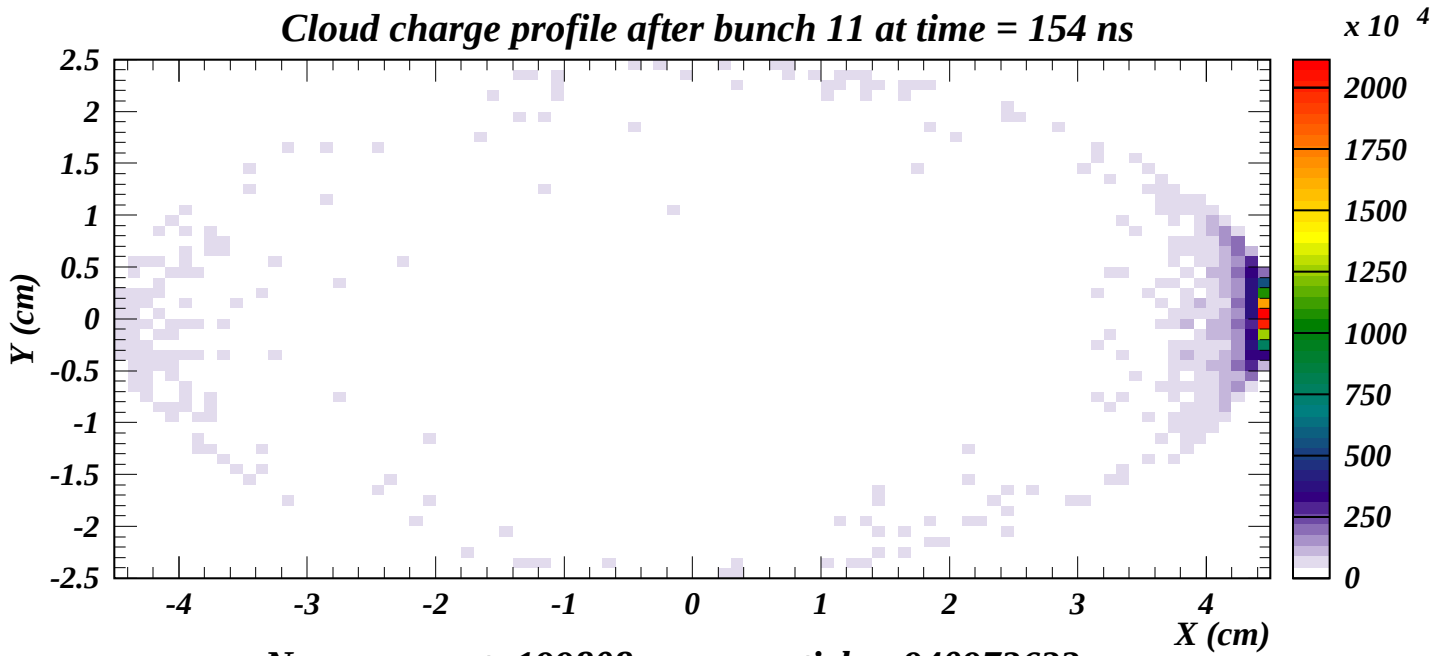
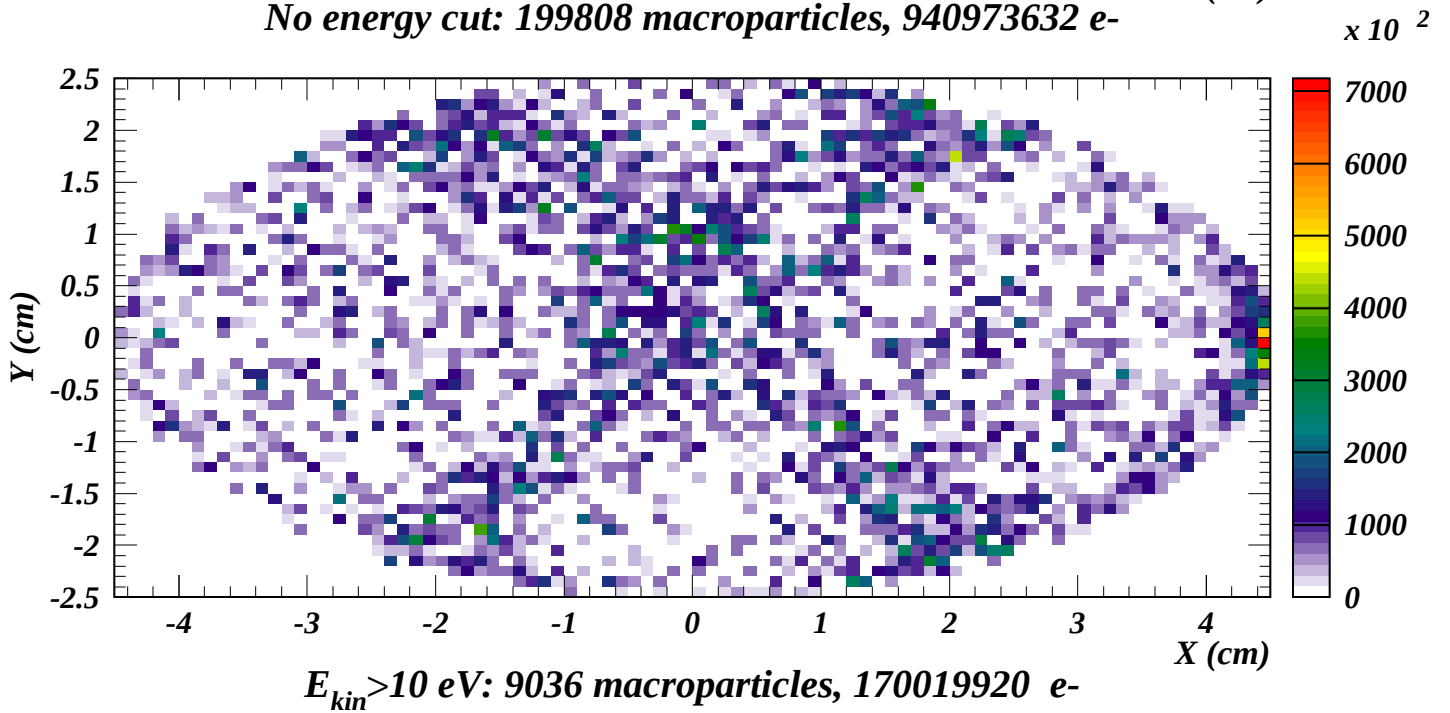
Cloud charge profile after bunch 7 at time = 98 ns*No energy cut: 149370 macroparticles, 801122304 e-* *$E_{kin} > 10$ eV: 6026 macroparticles, 135354176 e-*

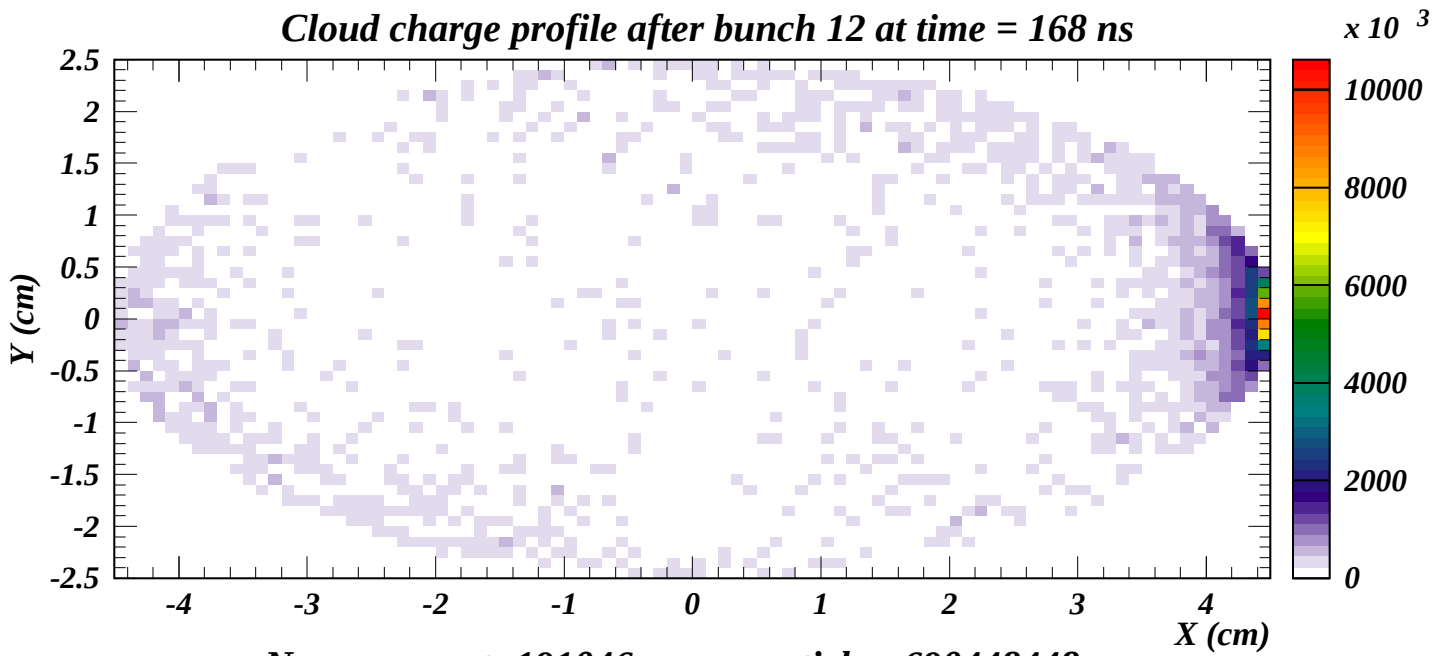
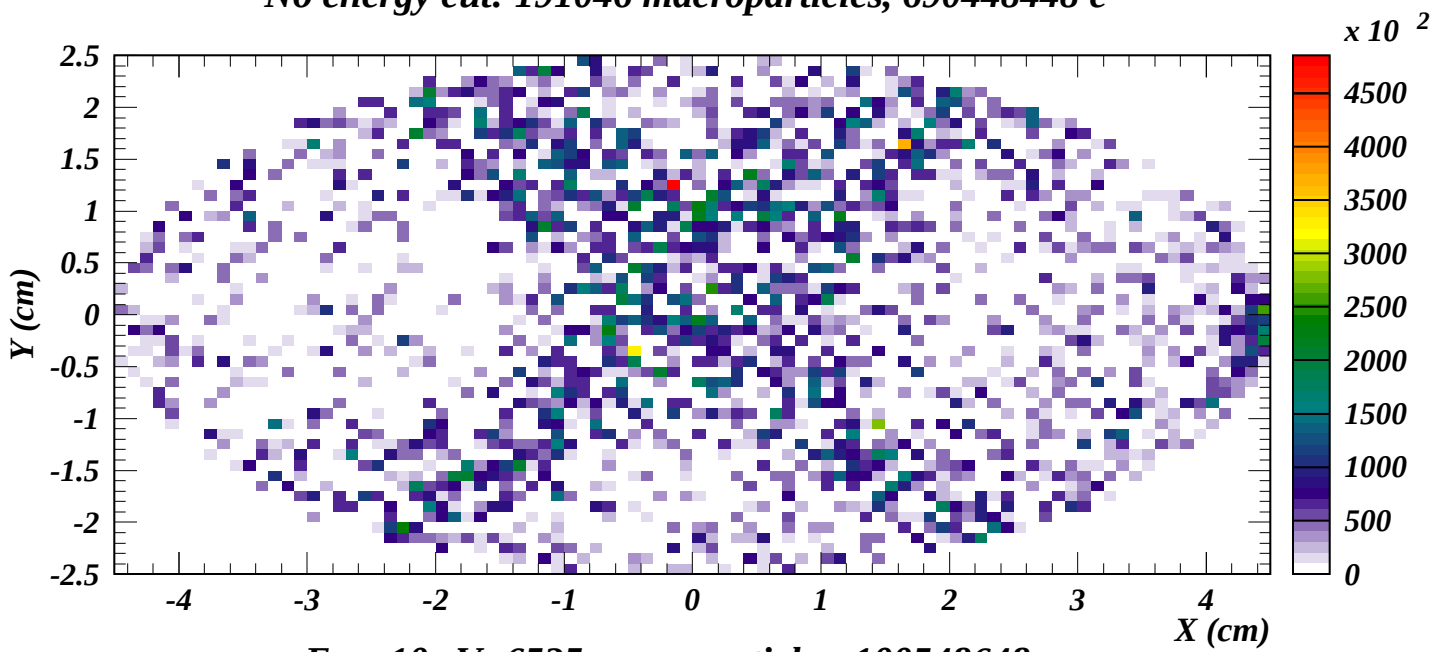
Cloud charge profile after bunch 8 at time = 112 ns*No energy cut: 166964 macroparticles, 843540416 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 6958 macroparticles, 146008384 e-*

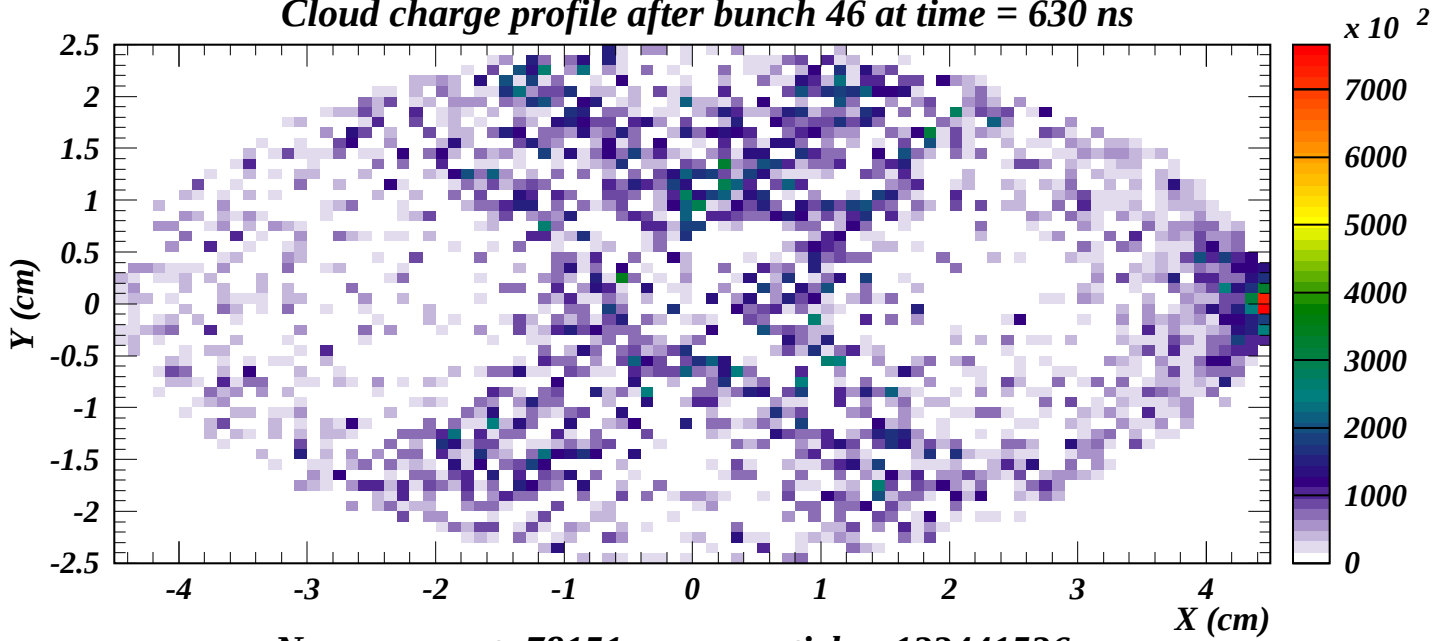
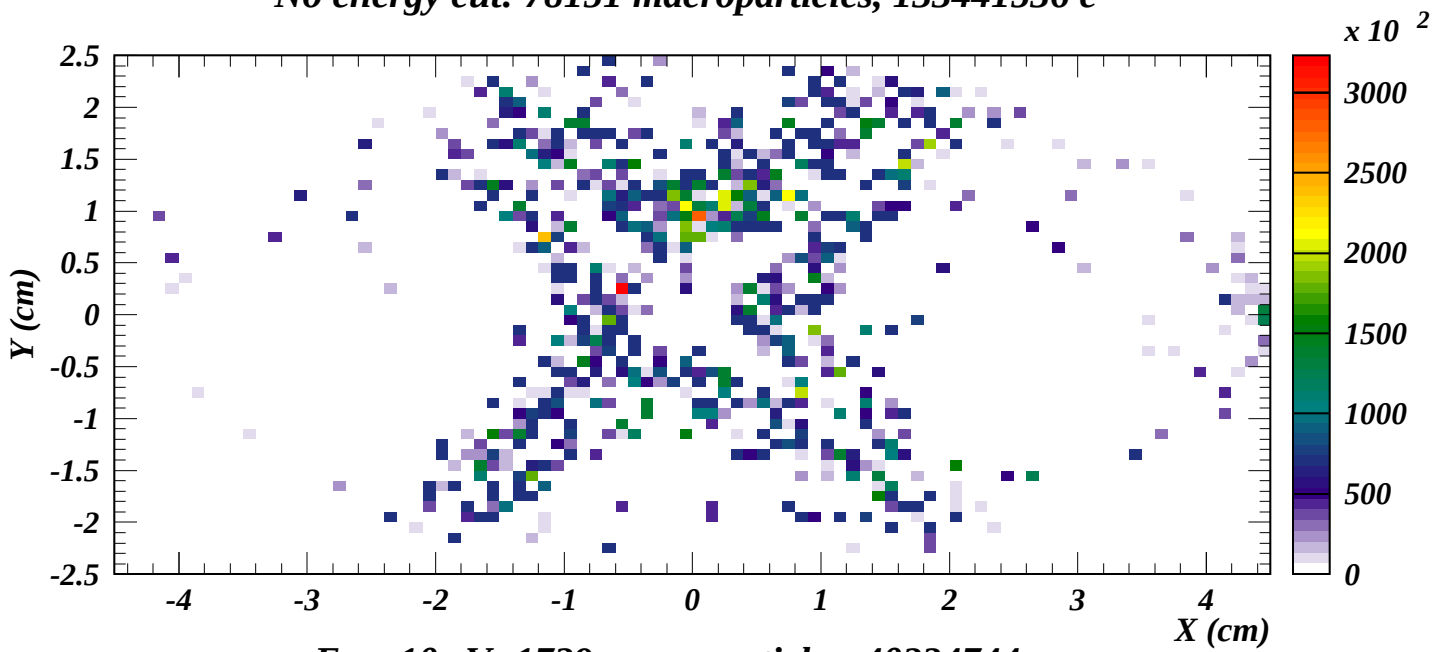
Cloud charge profile after bunch 9 at time = 126 ns*No energy cut: 183780 macroparticles, 884273728 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 7843 macroparticles, 157933264 e-*

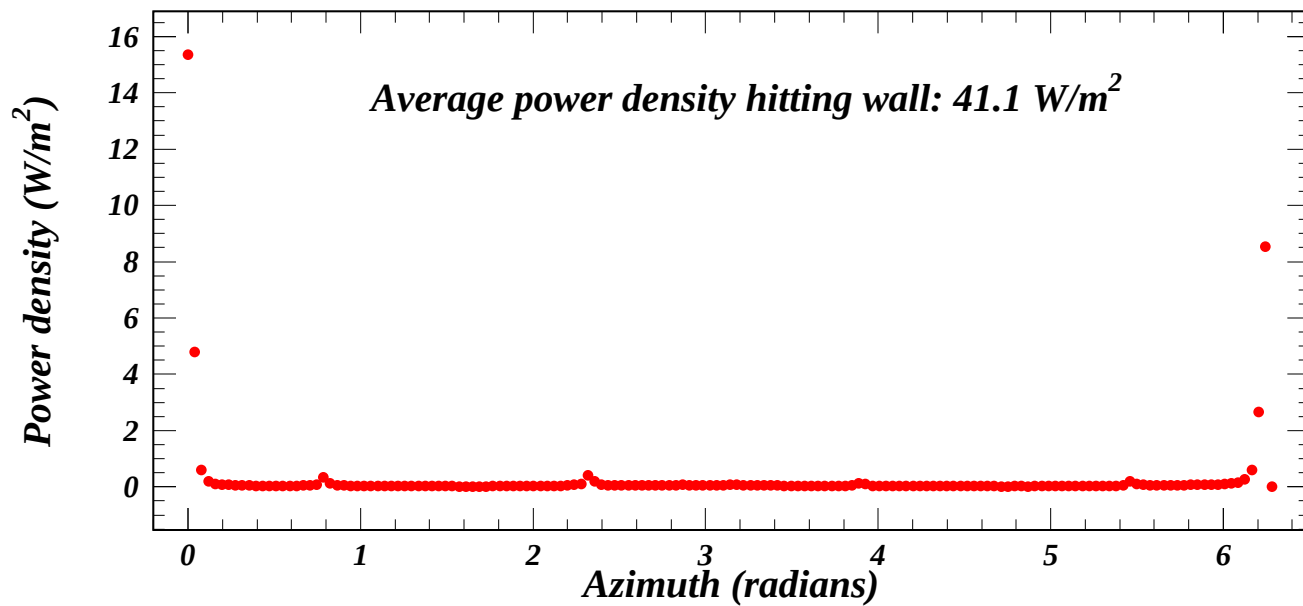
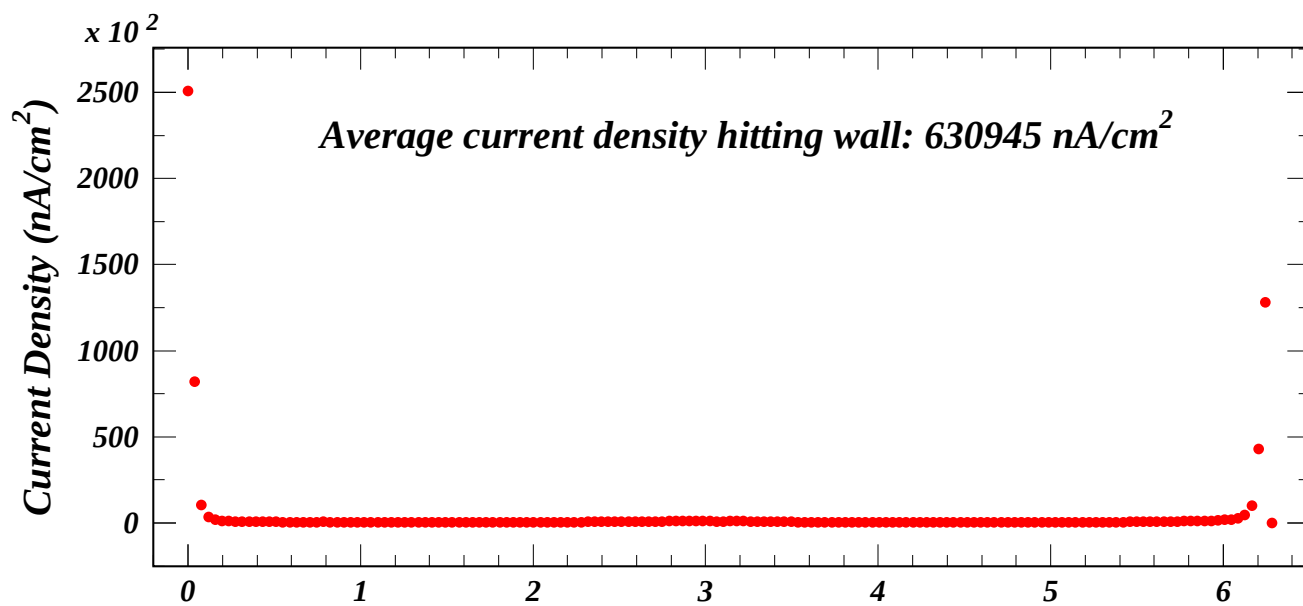
Cloud charge profile after bunch 10 at time = 140 ns*No energy cut: 199743 macroparticles, 918245248 e-* *$E_{kin} > 10$ eV: 8890 macroparticles, 166771728 e-*

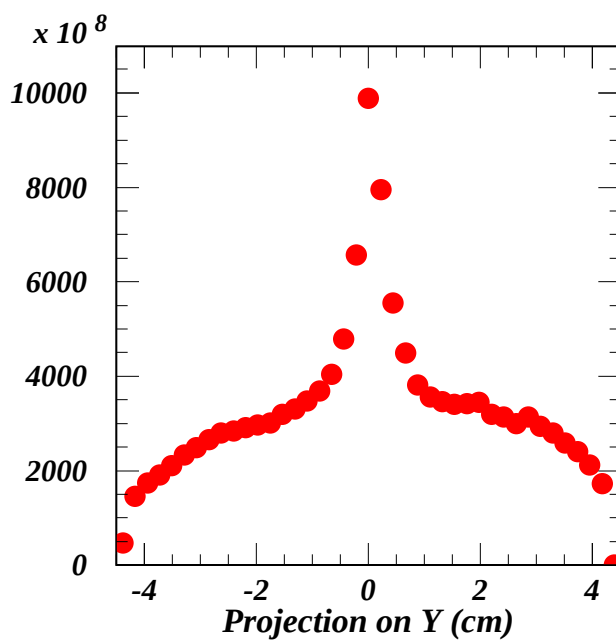
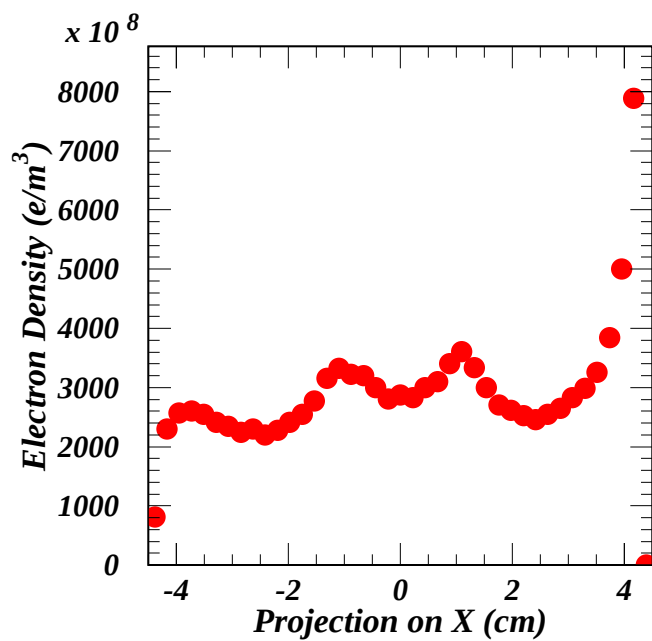
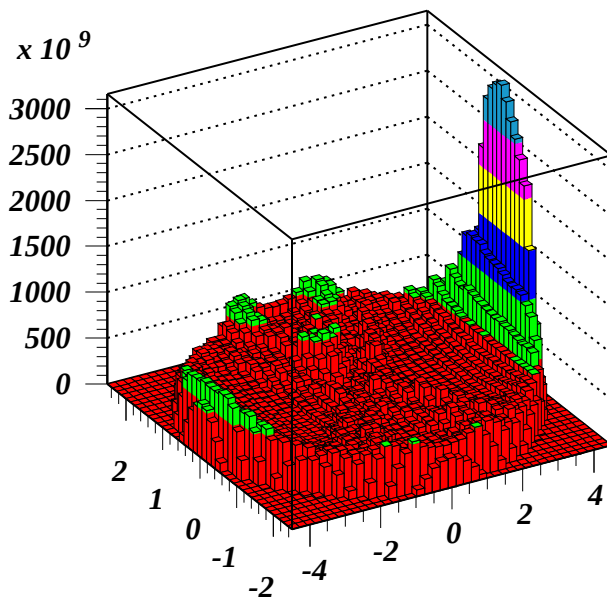
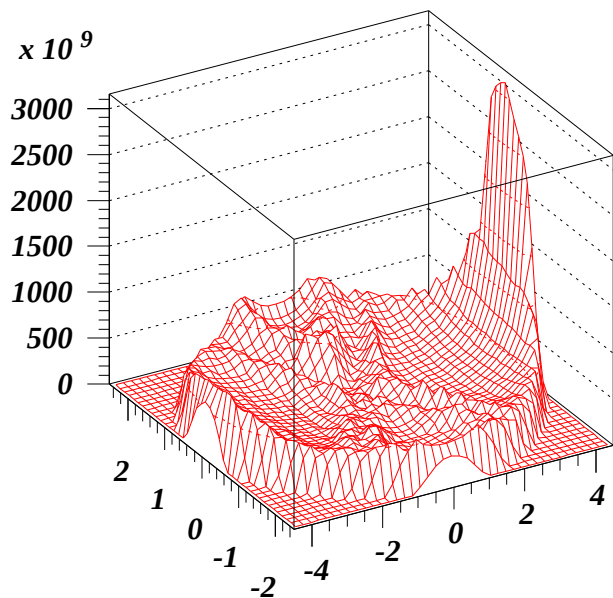
Cloud charge profile after bunch 11 at time = 140.4 ns*No energy cut: 200000 macroparticles, 1387347456 e-* *$E_{kin} > 10 \text{ eV}$: 11805 macroparticles, 262120048 e-*

Cloud charge profile after bunch 11 at time = 154 ns*No energy cut: 199808 macroparticles, 940973632 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 9036 macroparticles, 170019920 e-*

Cloud charge profile after bunch 12 at time = 168 ns*No energy cut: 191046 macroparticles, 690448448 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 6535 macroparticles, 100548648 e-*

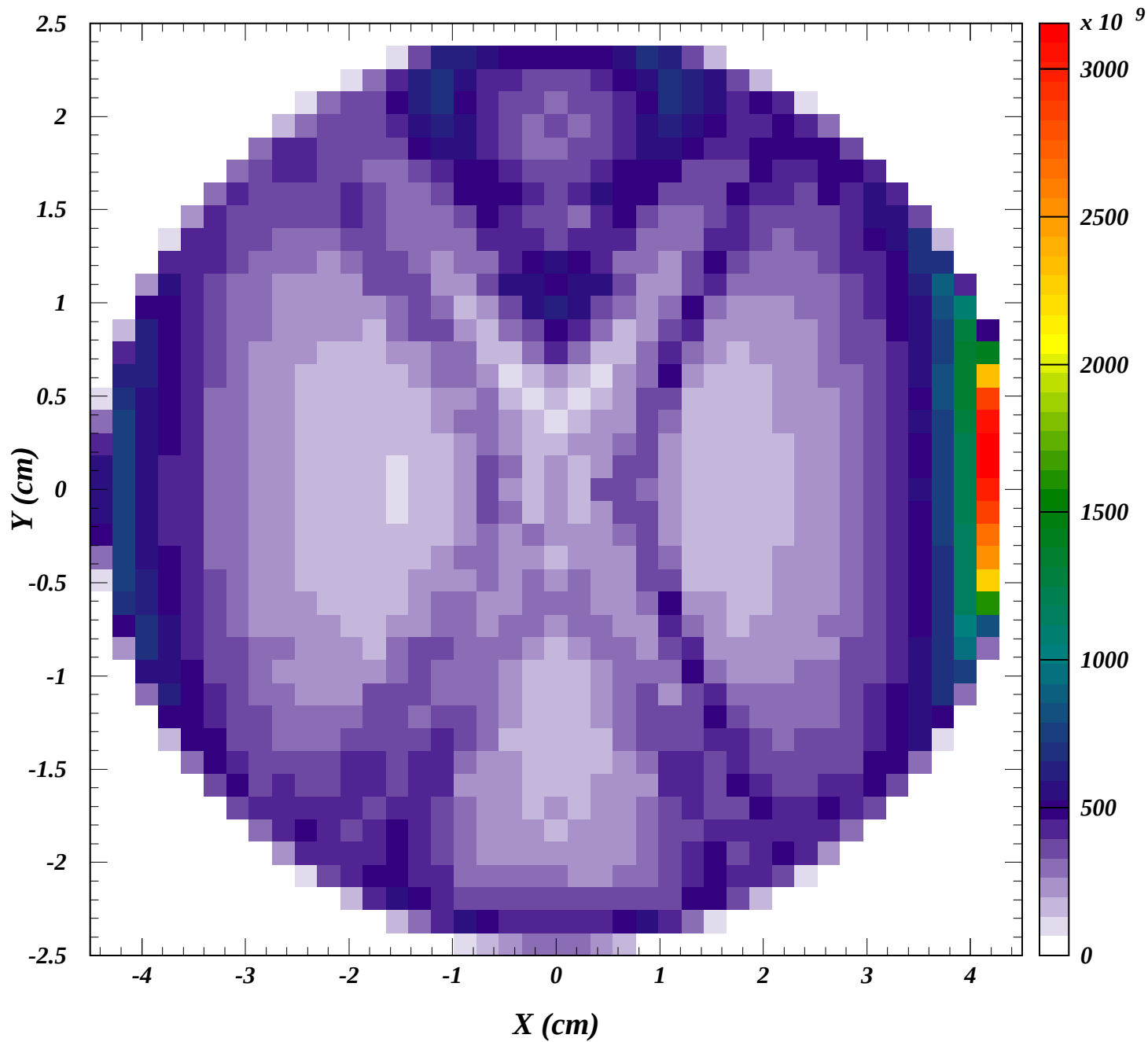
Cloud charge profile after bunch 46 at time = 630 ns*No energy cut: 78151 macroparticles, 133441536 e-* *$E_{kin} > 10$ eV: 1729 macroparticles, 40234744 e-*

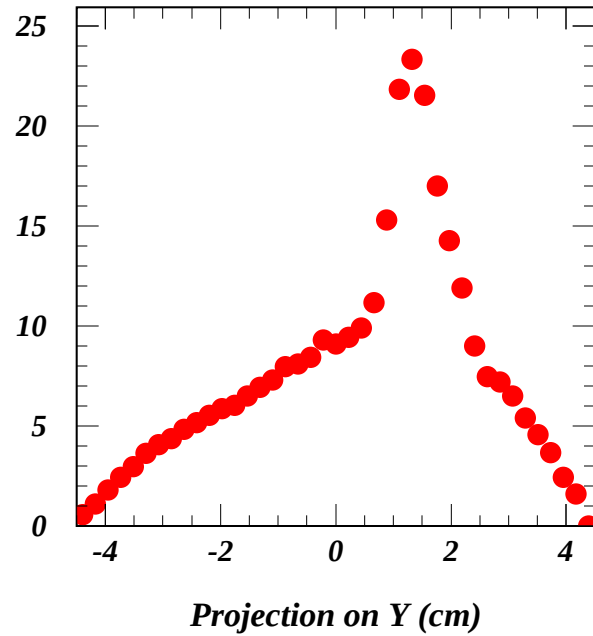
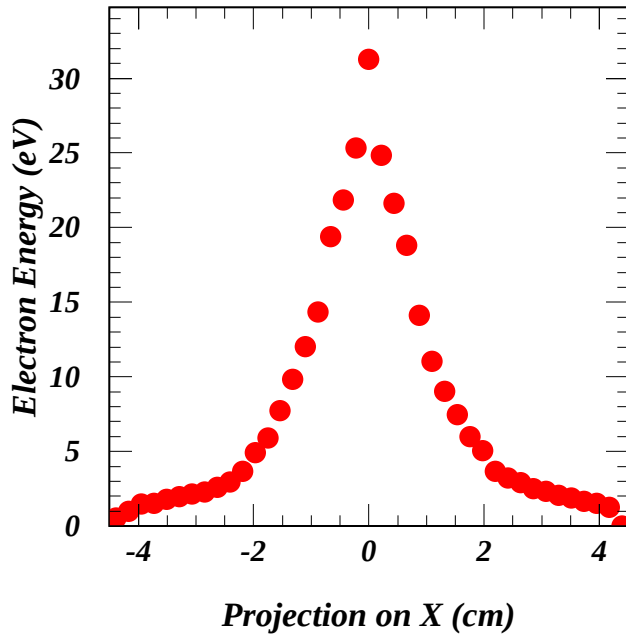
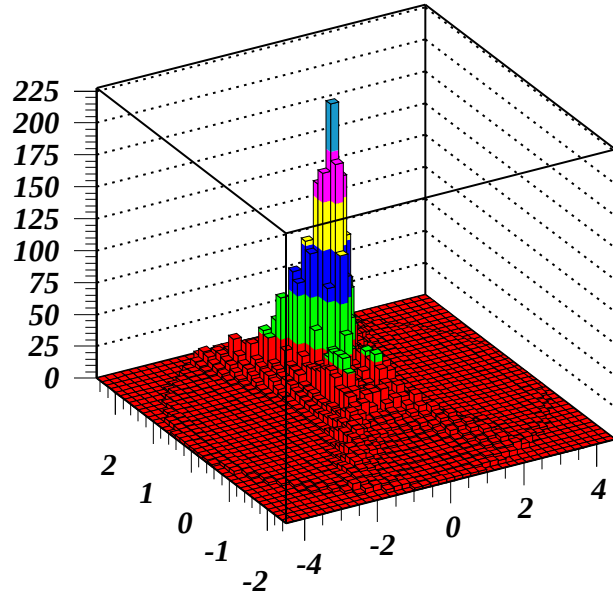
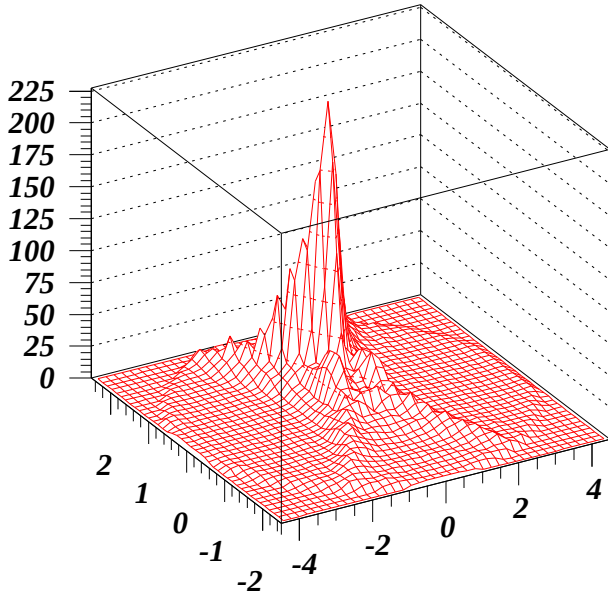


ECLLOUD-TS0608_SEY20_Epk310: Cloud Density (e/m^3) Averaged Over 643.6 ns

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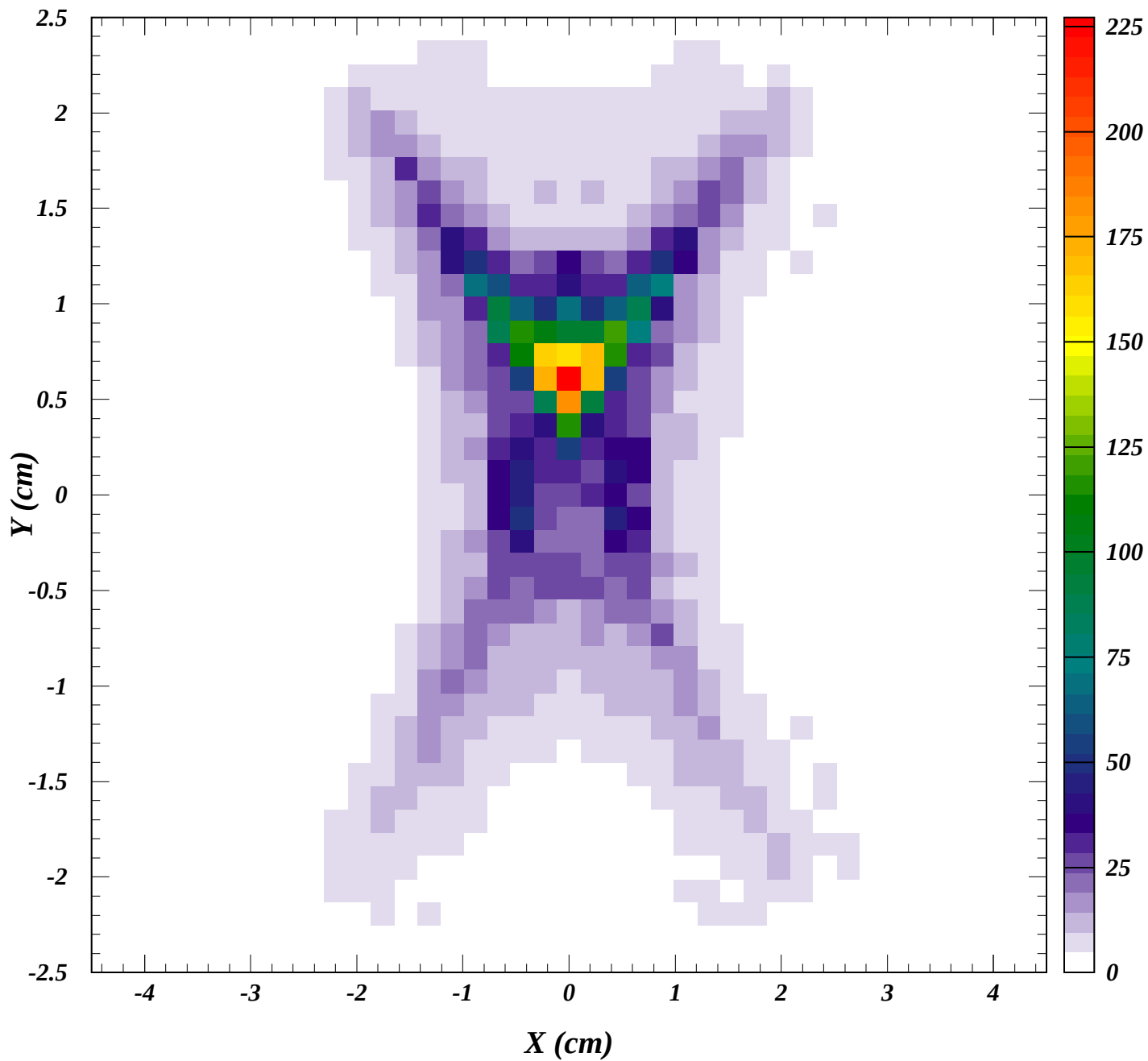
ECLLOUD-TS0608_SEY20_Epk310: Cloud Density (e/m^3) Averaged Over 643.6 ns



ECLLOUD-TS0608_SEY20_Epk310: Electron Energies (eV) Averaged Over 643.6 ns

09/12/06 11.23

ECLLOUD-TS0608_SEY20_Epk310: Electron Energies (eV) Averaged Over 643.6 ns



Jobs 14289 to 14289: RFA Collector Currents (nA)