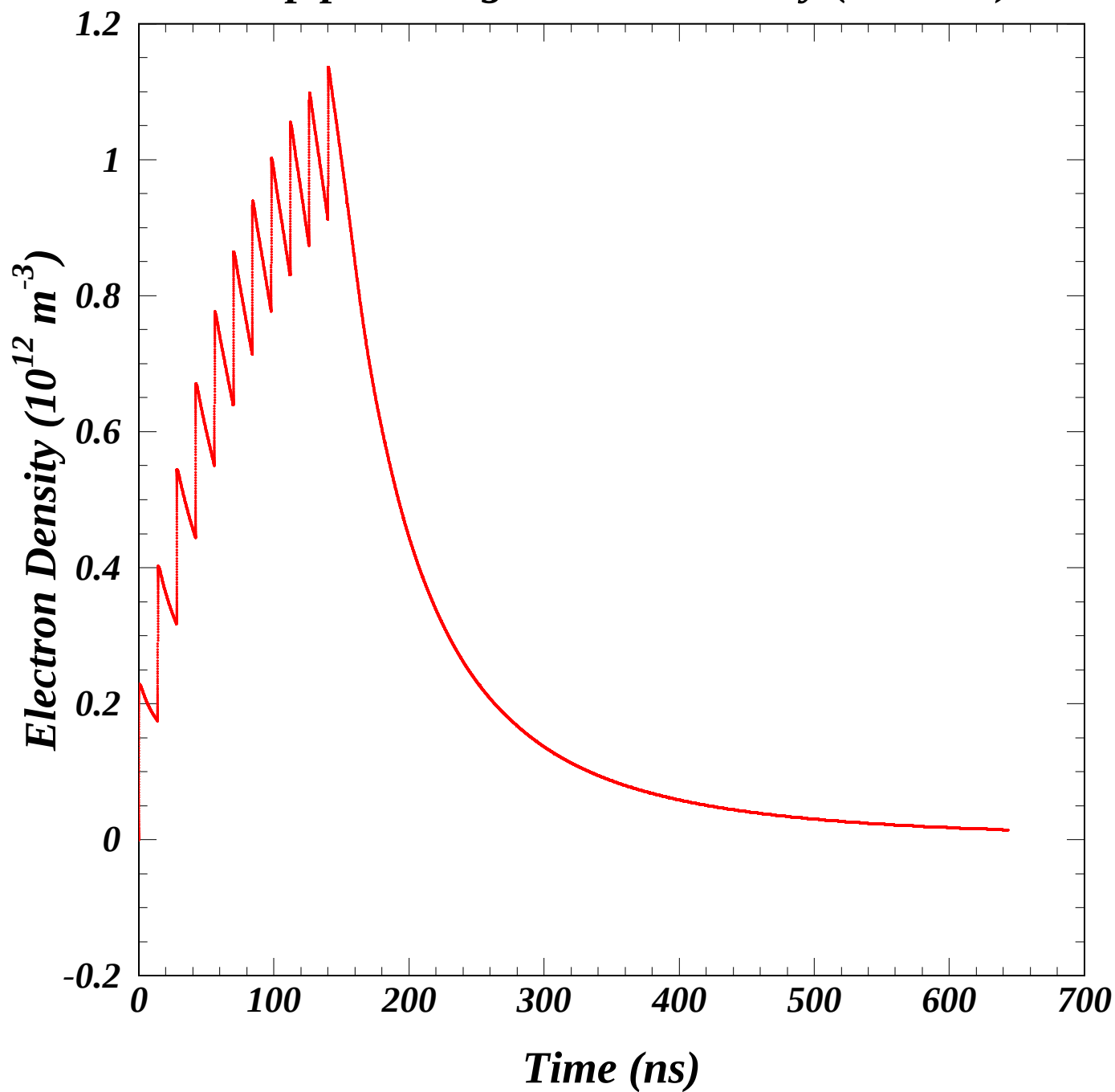
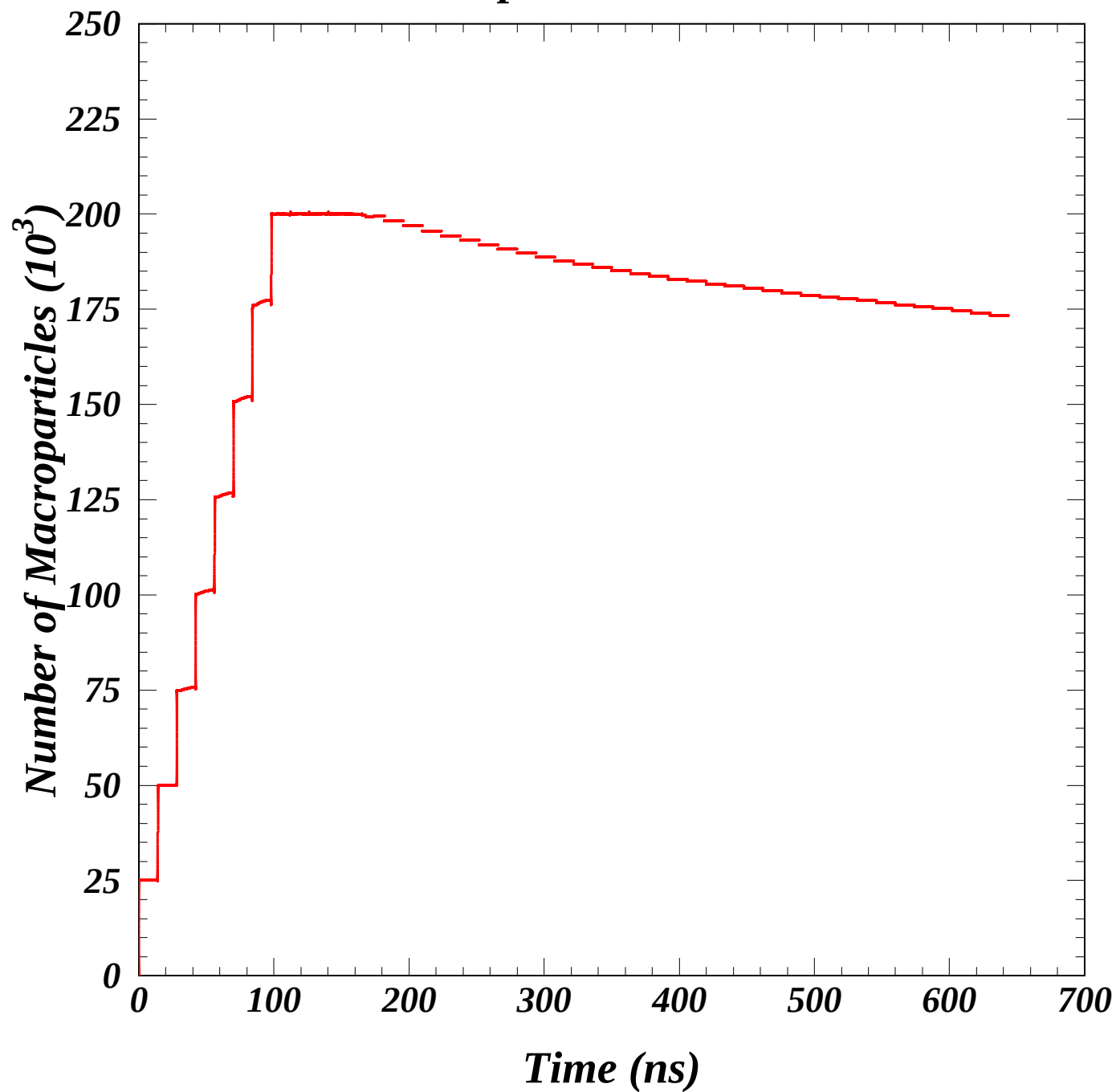
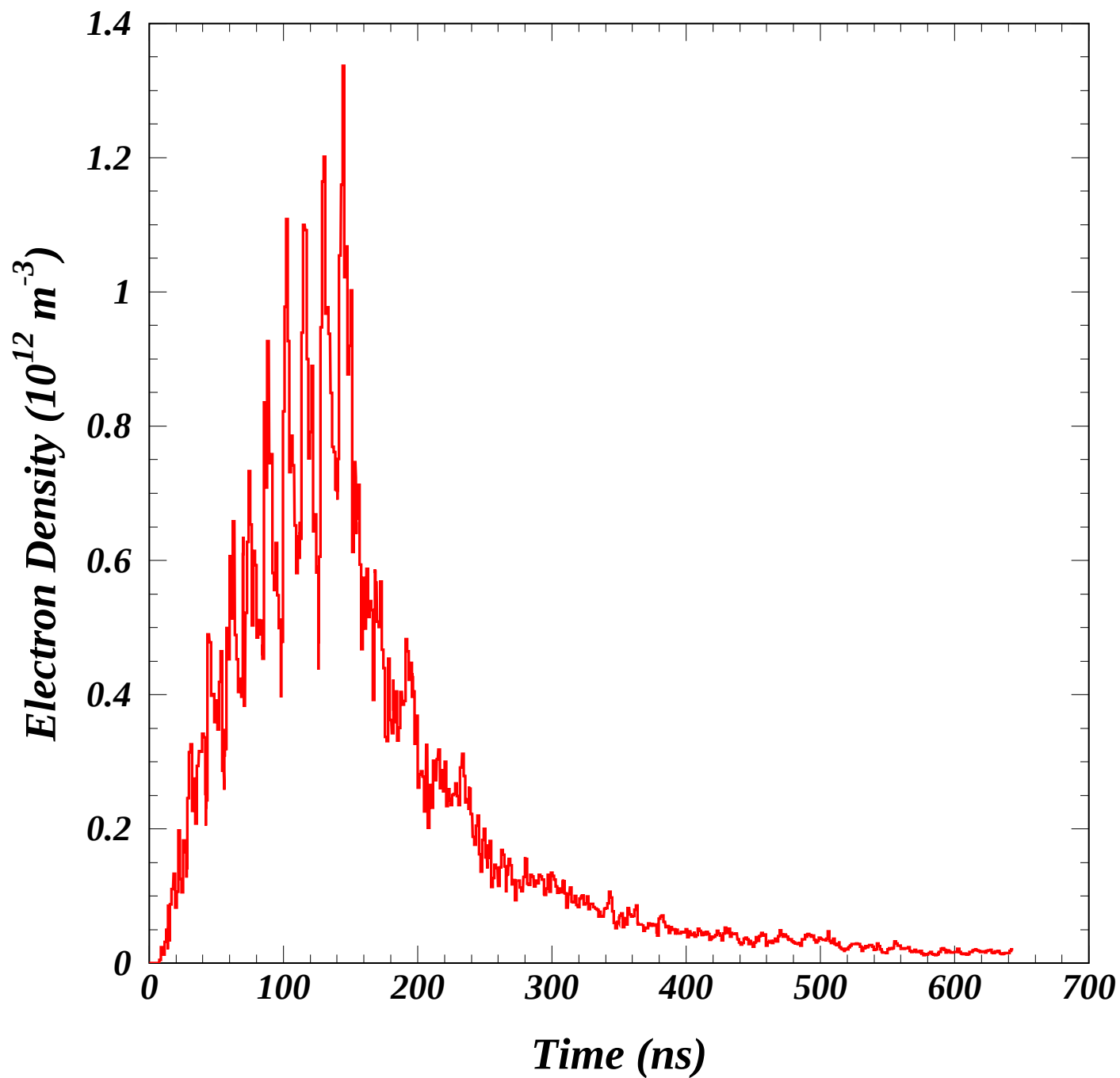
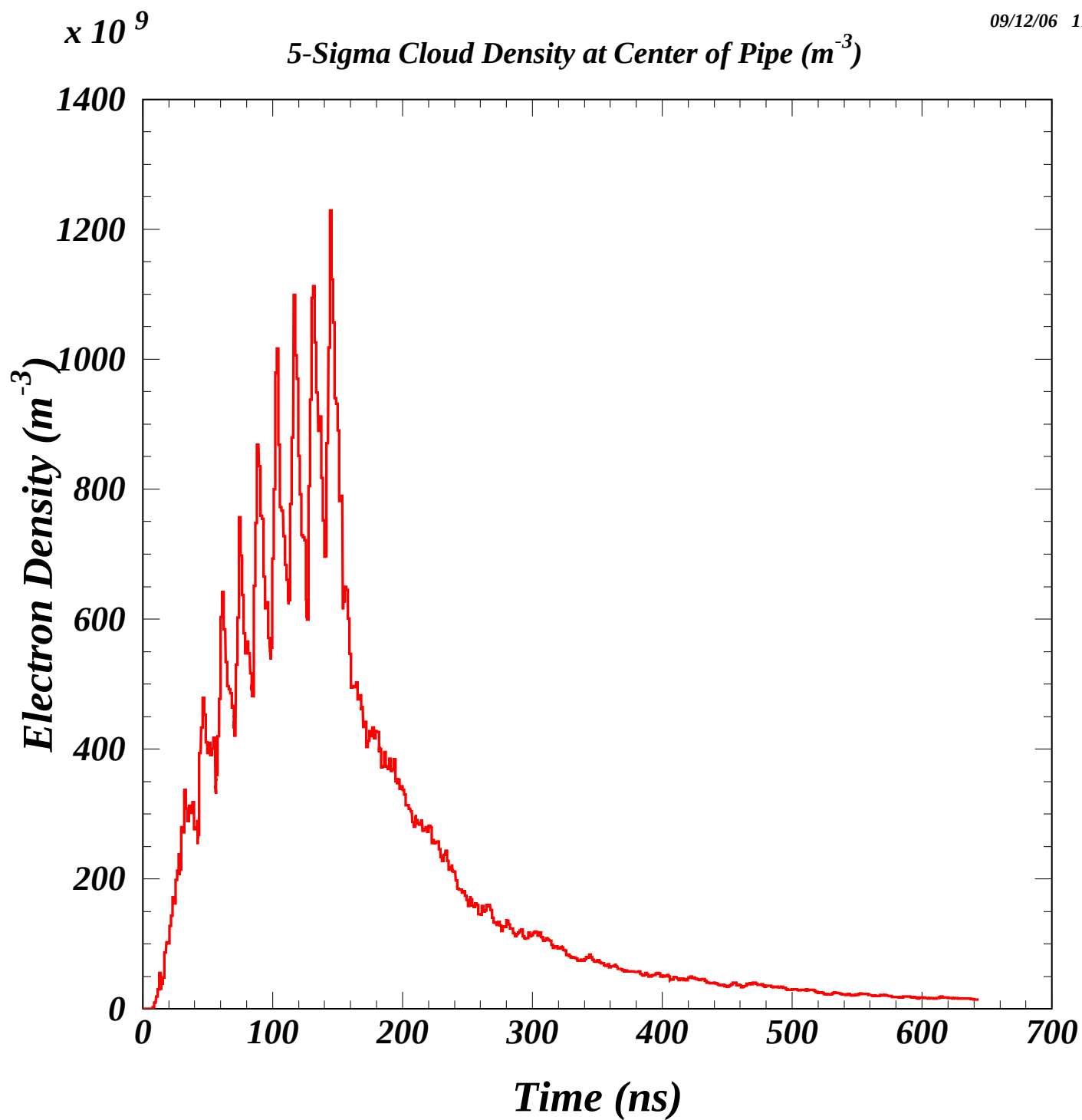


Beampipe-averaged Cloud Density (10^{12} m^{-3})

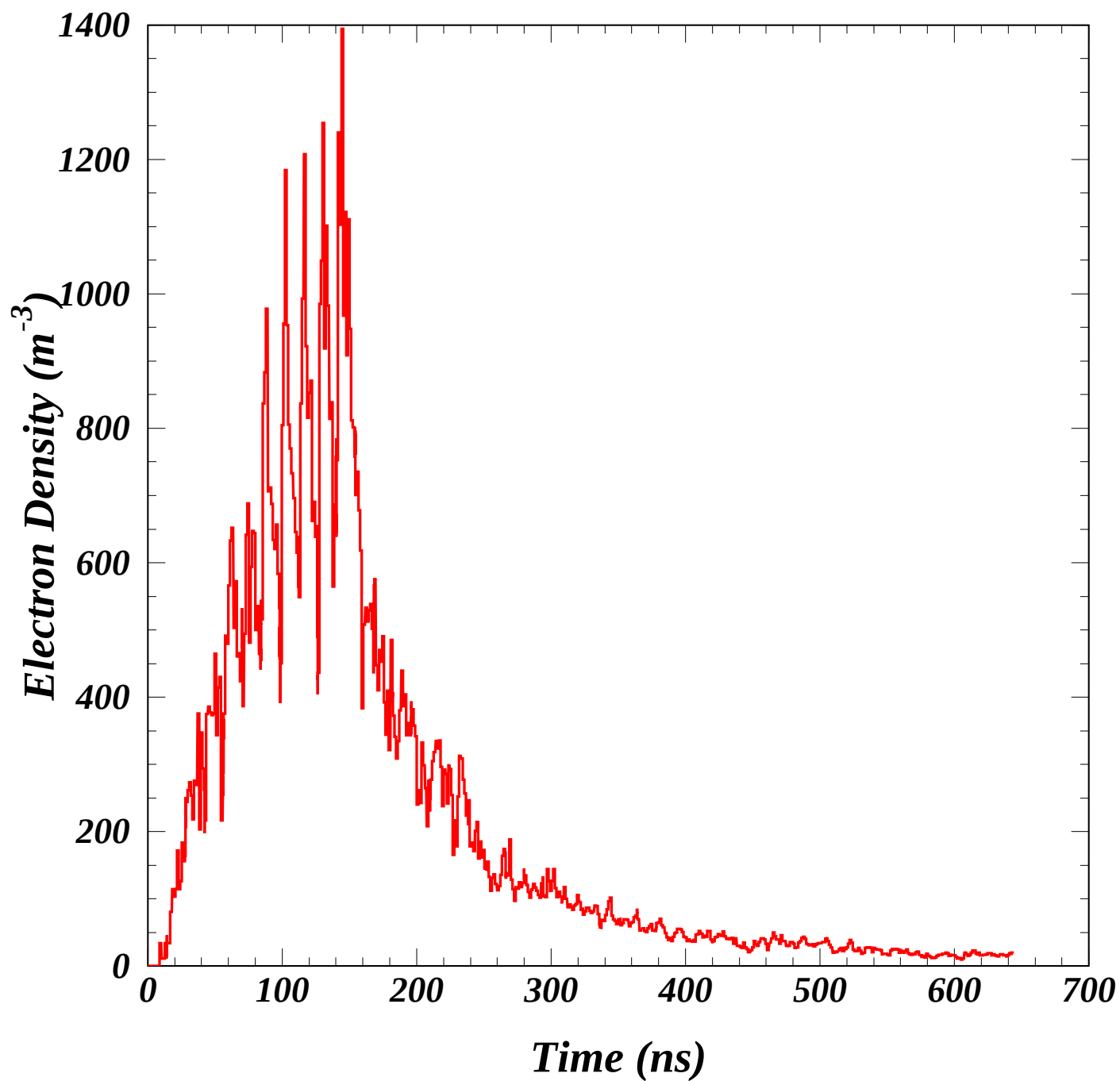
Macroparticle Statistics



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

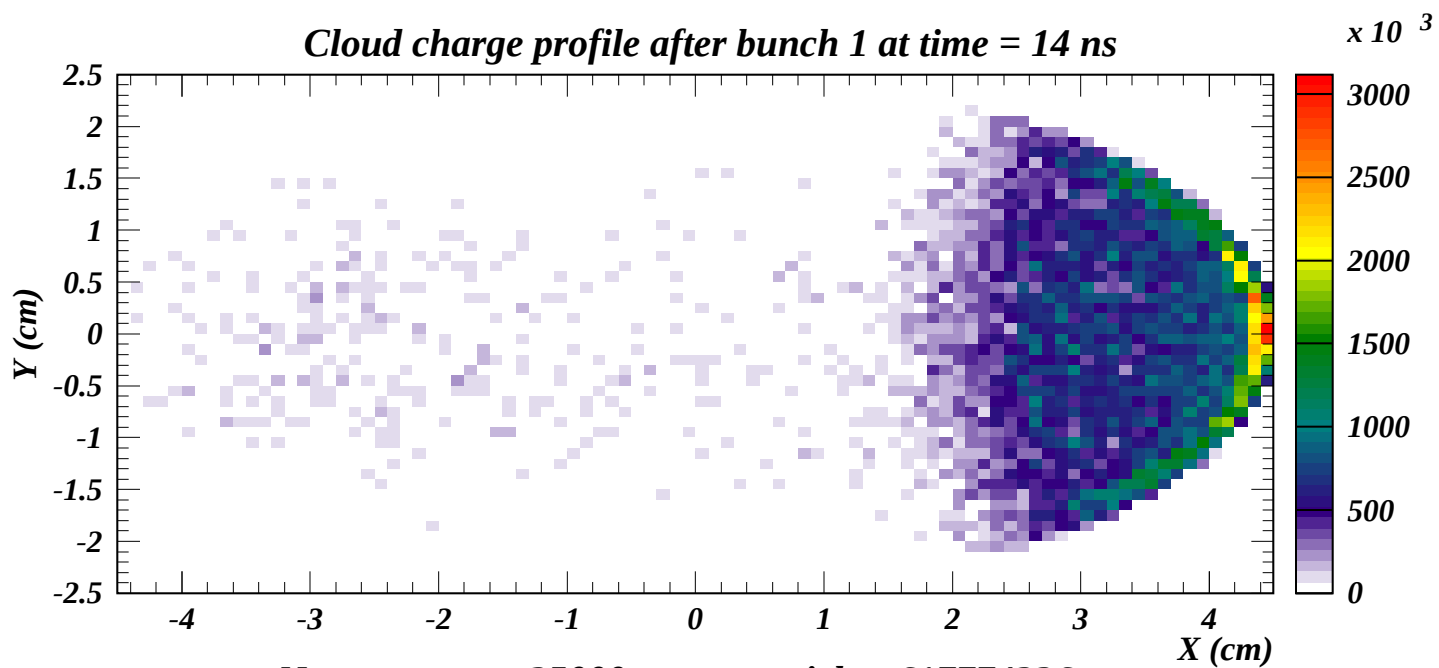
5-Sigma Cloud Density at Center of Pipe (m^{-3})

$\times 10^9$ 09/12/06 11.15
ECLOUD-TS0608_SEY20_Epk310: Cloud Density in Central Grid Cell (m^{-3})

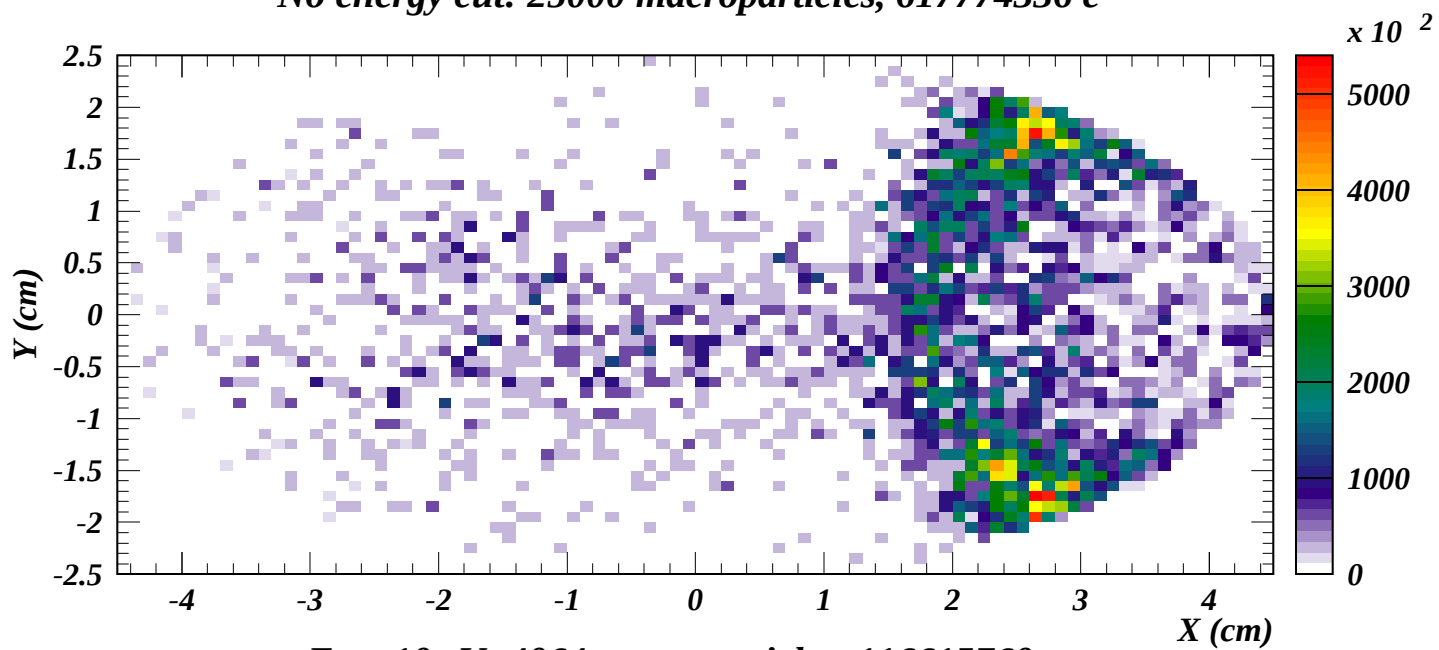


09/12/06 11.15

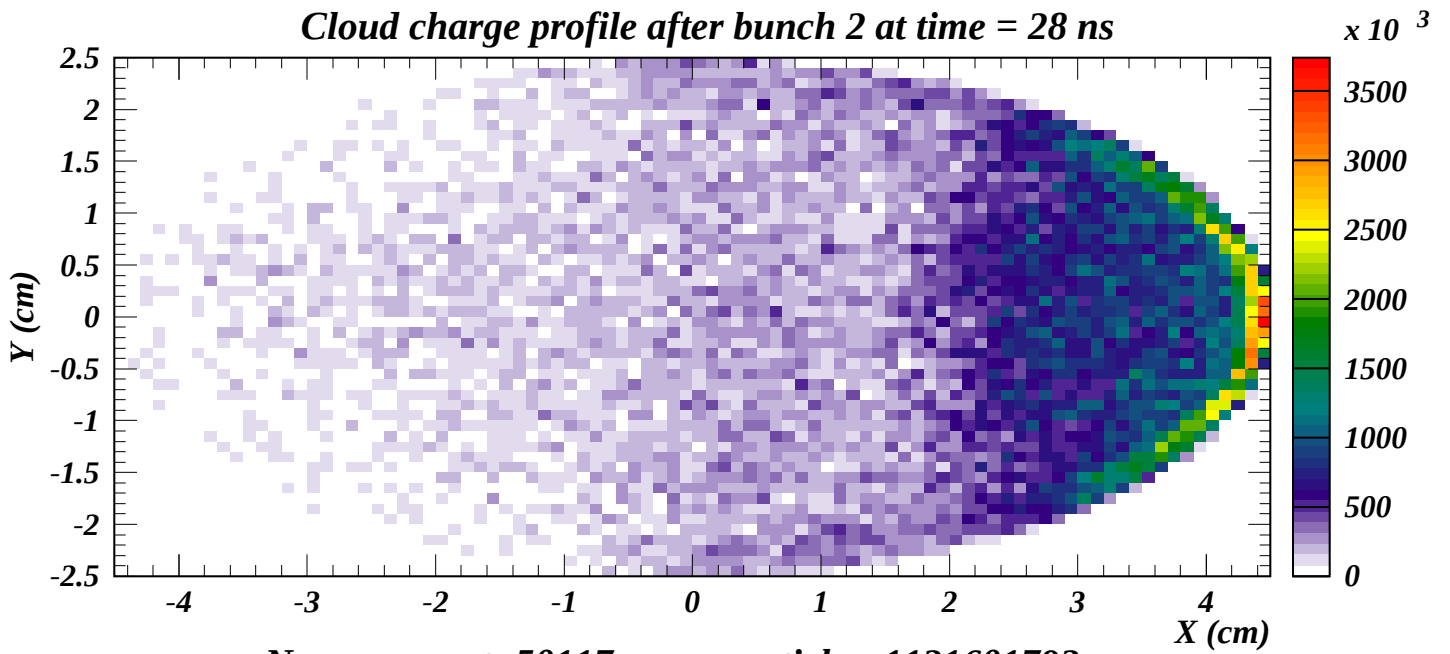
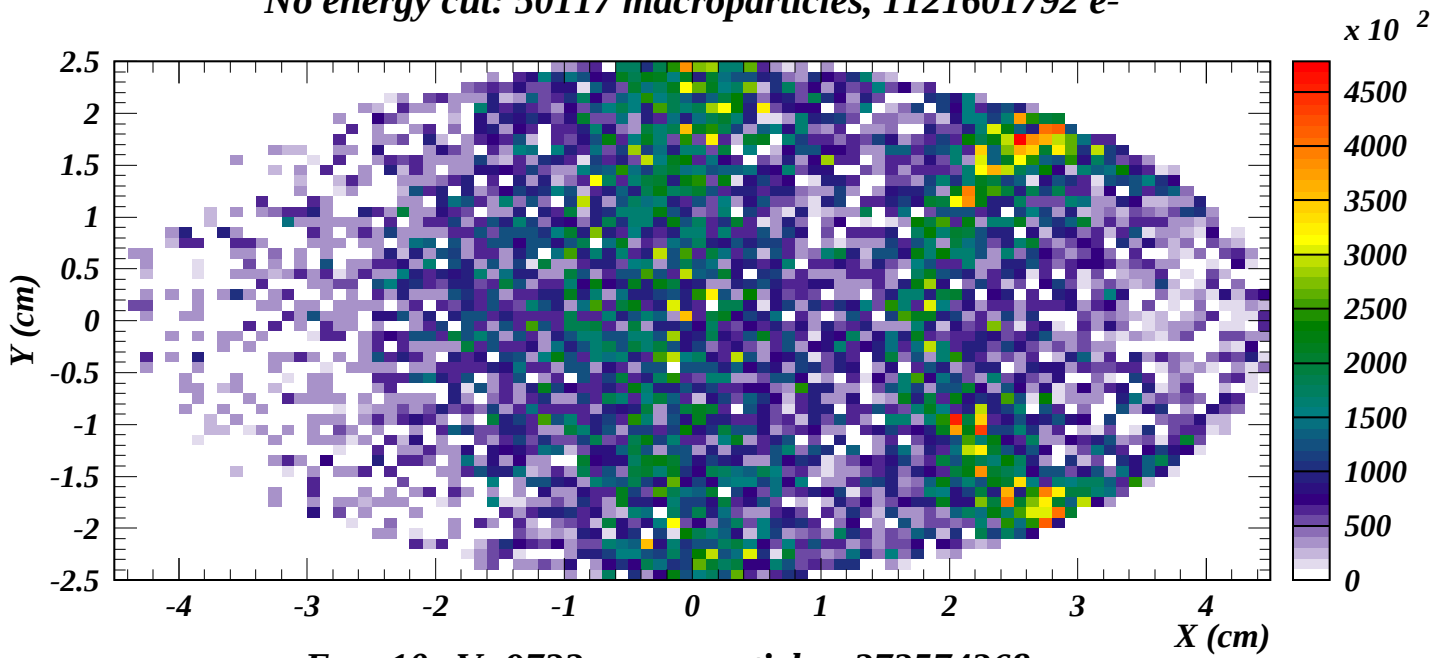
Cloud charge profile after bunch 1 at time = 14 ns

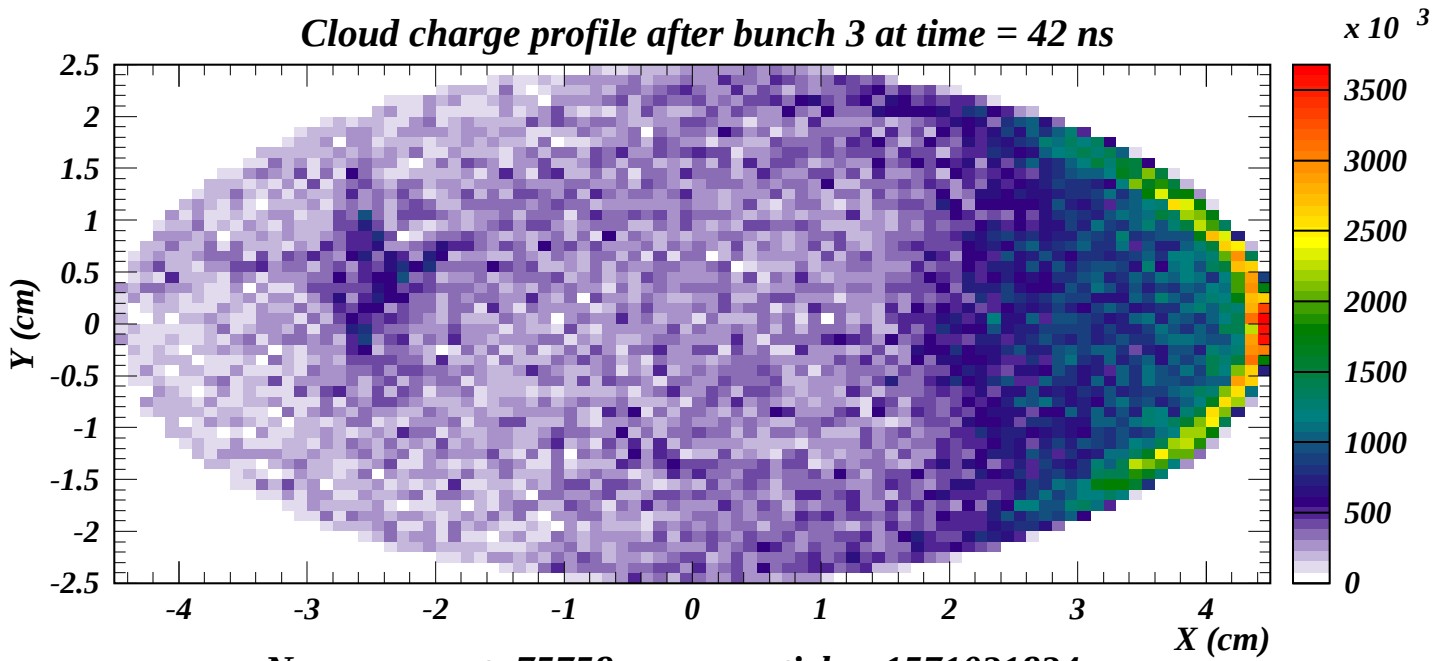
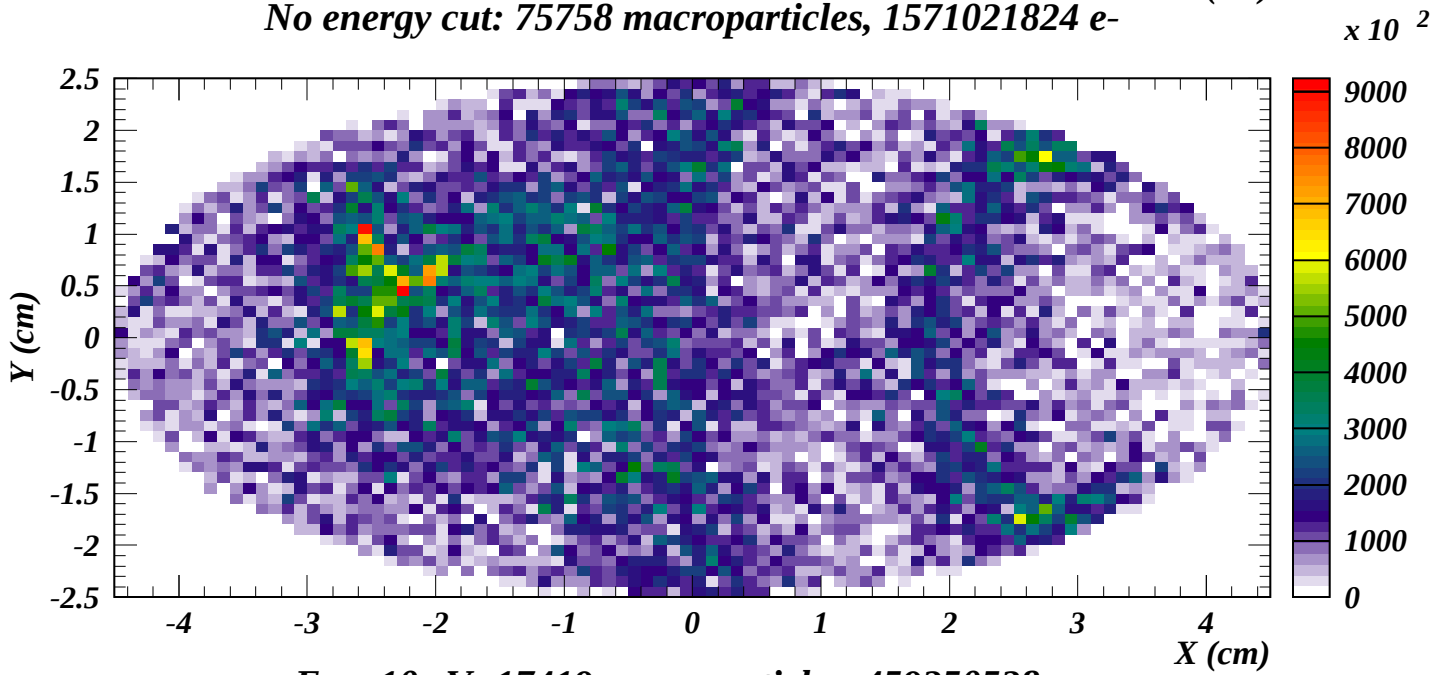


No energy cut: 25000 macroparticles, 617774336 e-



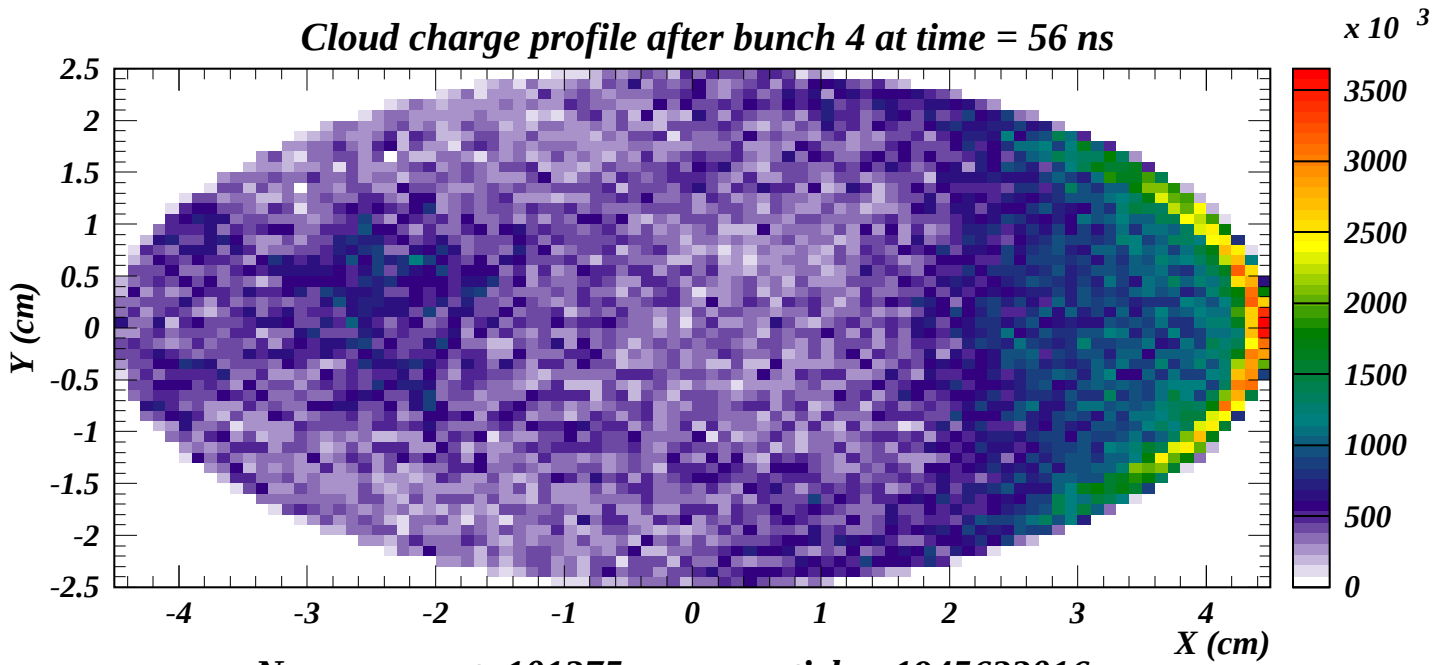
$E_{\text{kin}} > 10 \text{ eV}$: 4064 macroparticles, 116615760 e-

Cloud charge profile after bunch 2 at time = 28 ns*No energy cut: 50117 macroparticles, 1121601792 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 9732 macroparticles, 272574368 e-*

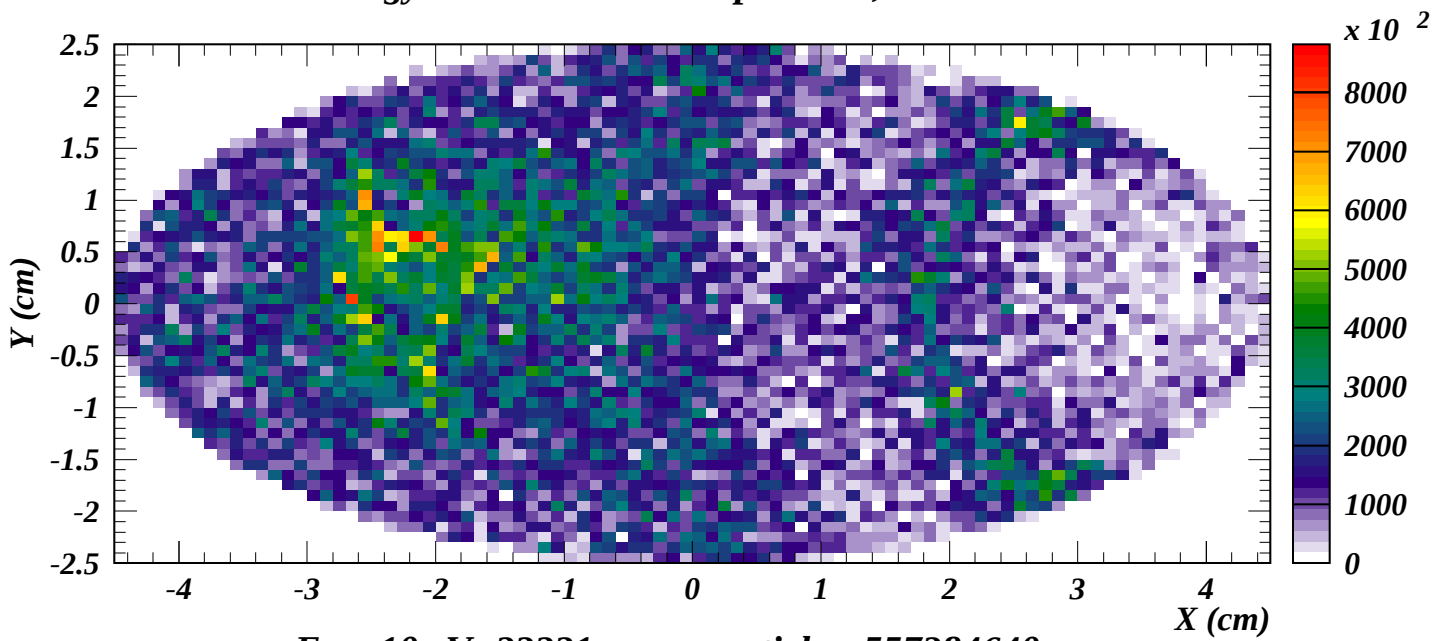
Cloud charge profile after bunch 3 at time = 42 ns*No energy cut: 75758 macroparticles, 1571021824 e-* *$E_{kin} > 10$ eV: 17419 macroparticles, 459250528 e-*

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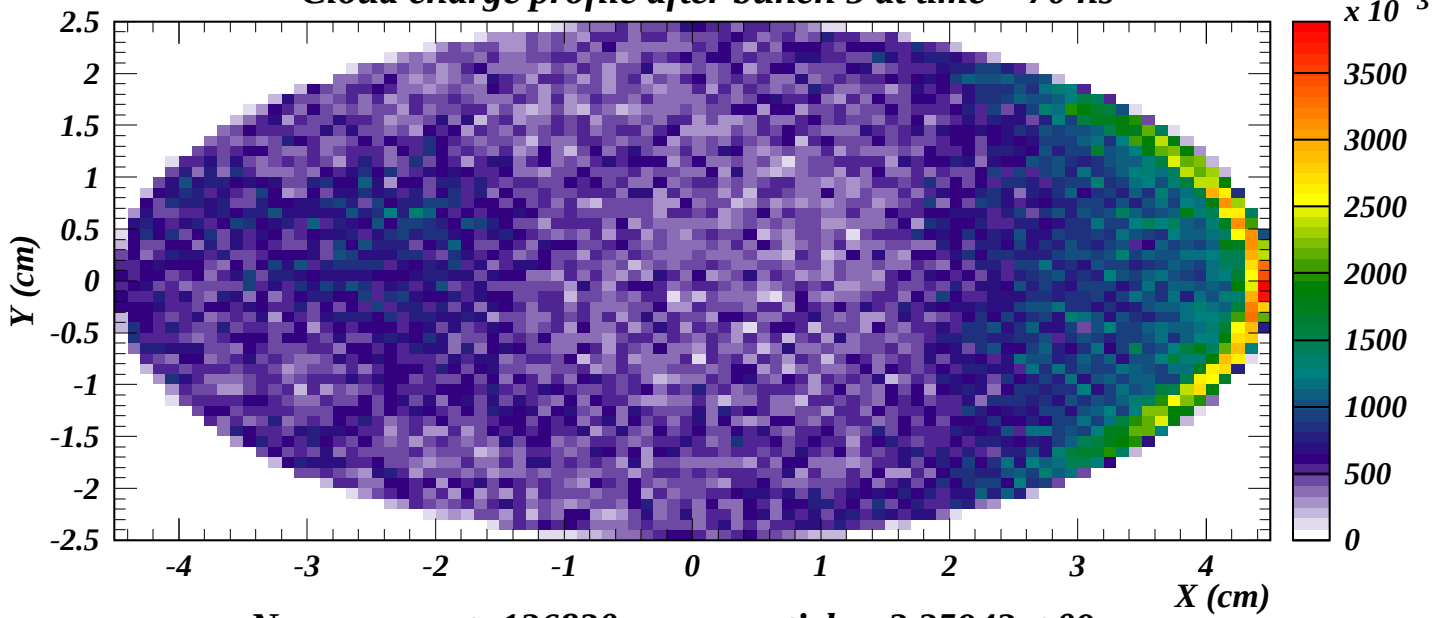
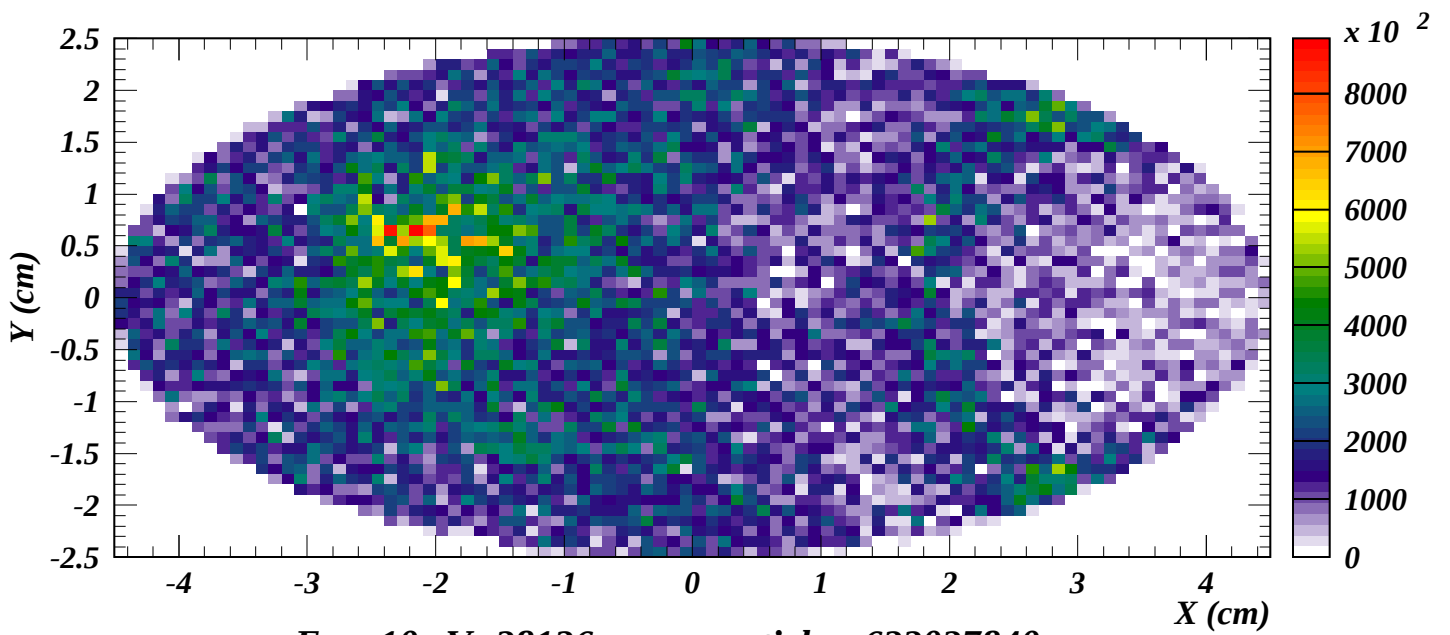
Cloud charge profile after bunch 4 at time = 56 ns

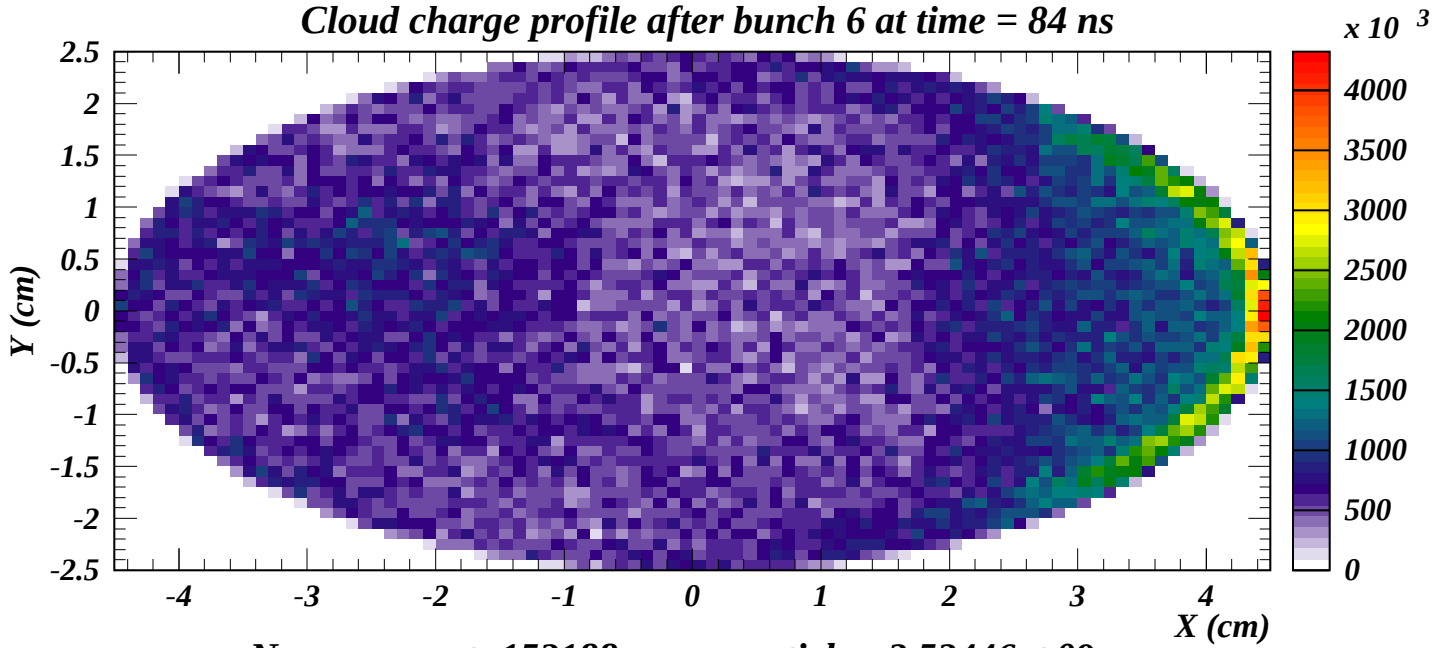
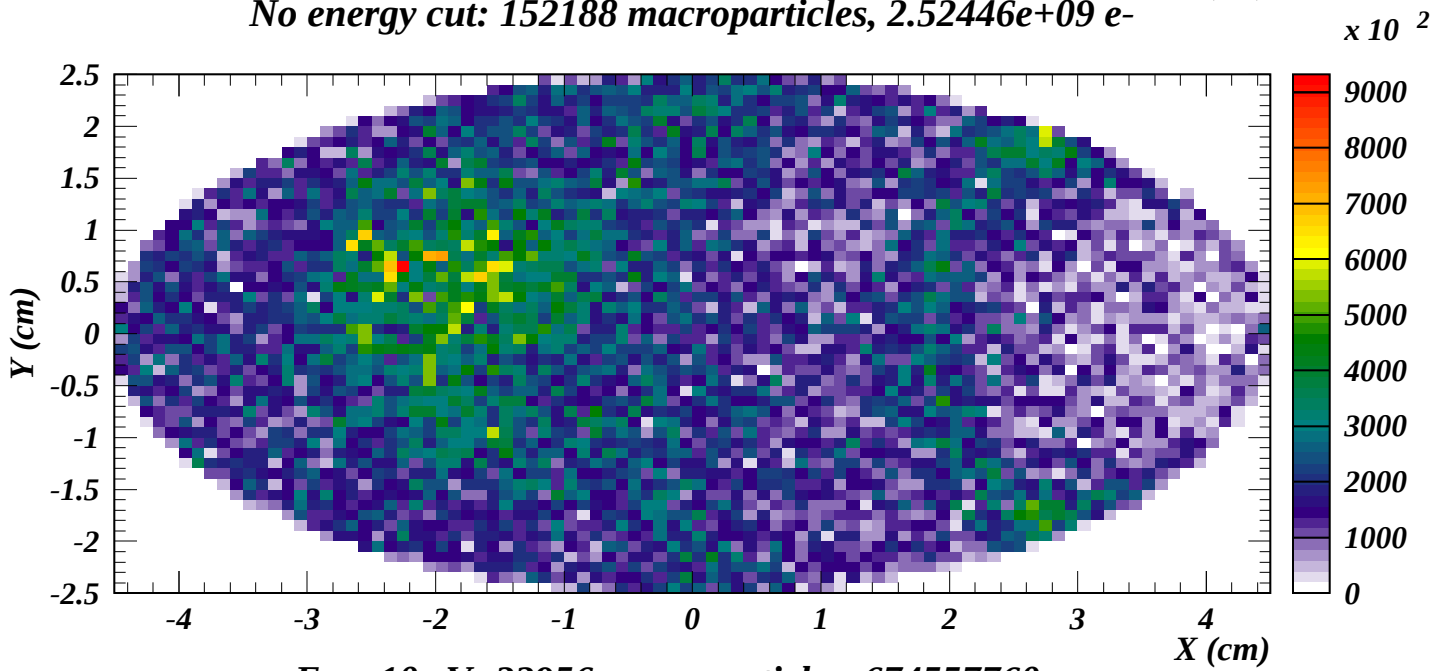


No energy cut: 101375 macroparticles, 1945622016 e-



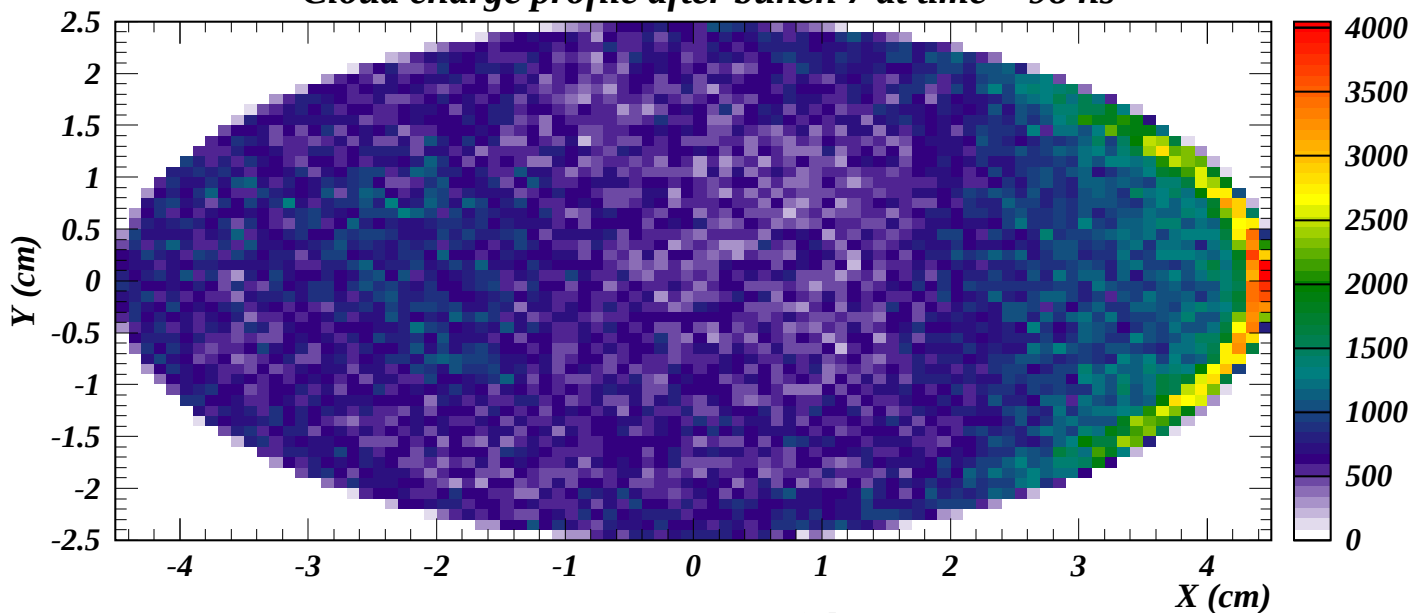
$E_{kin} > 10$ eV: 23221 macroparticles, 557384640 e-

Cloud charge profile after bunch 5 at time = 70 ns*No energy cut: 126830 macroparticles, $2.25943 \times 10^9 \text{ e-}$*  *$E_{\text{kin}} > 10 \text{ eV}$: 28126 macroparticles, 622027840 e-*

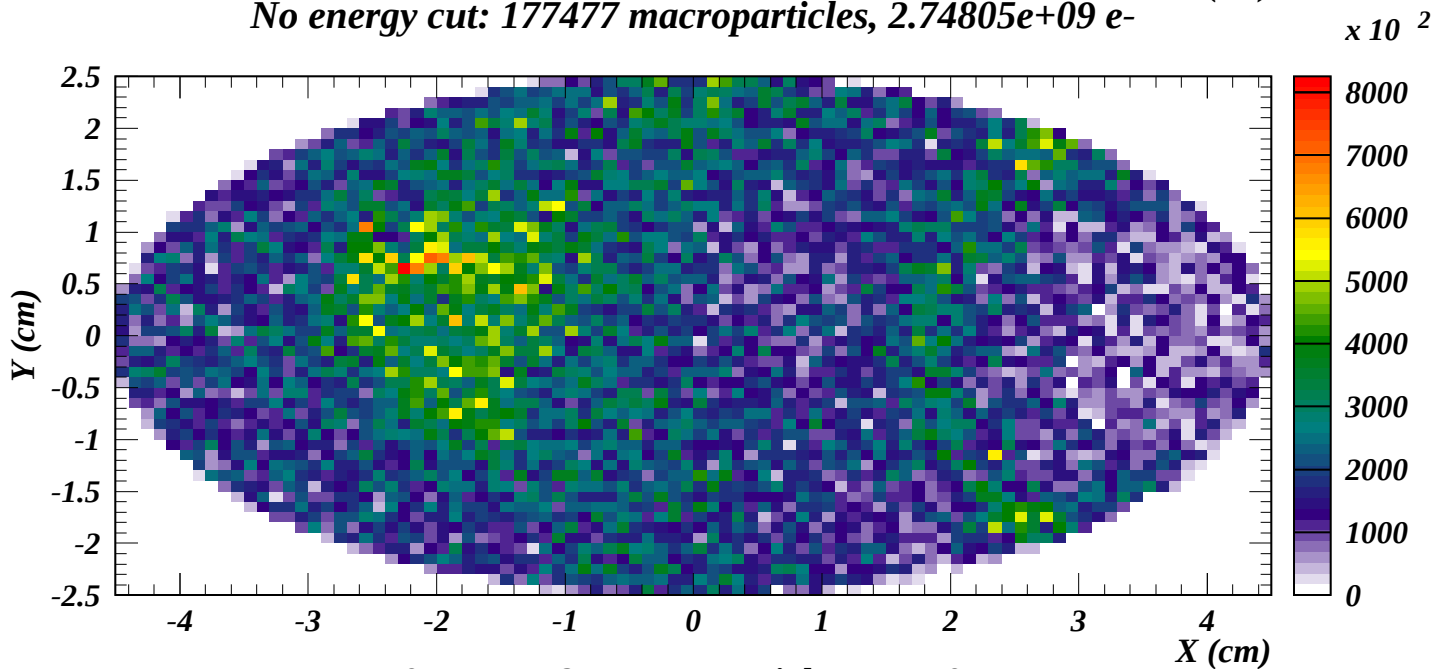
Cloud charge profile after bunch 6 at time = 84 ns*No energy cut: 152188 macroparticles, 2.52446×10^9 e-* *$E_{kin} > 10$ eV: 32956 macroparticles, 674557760 e-*

09/12/06 11.16
 $\times 10^3$

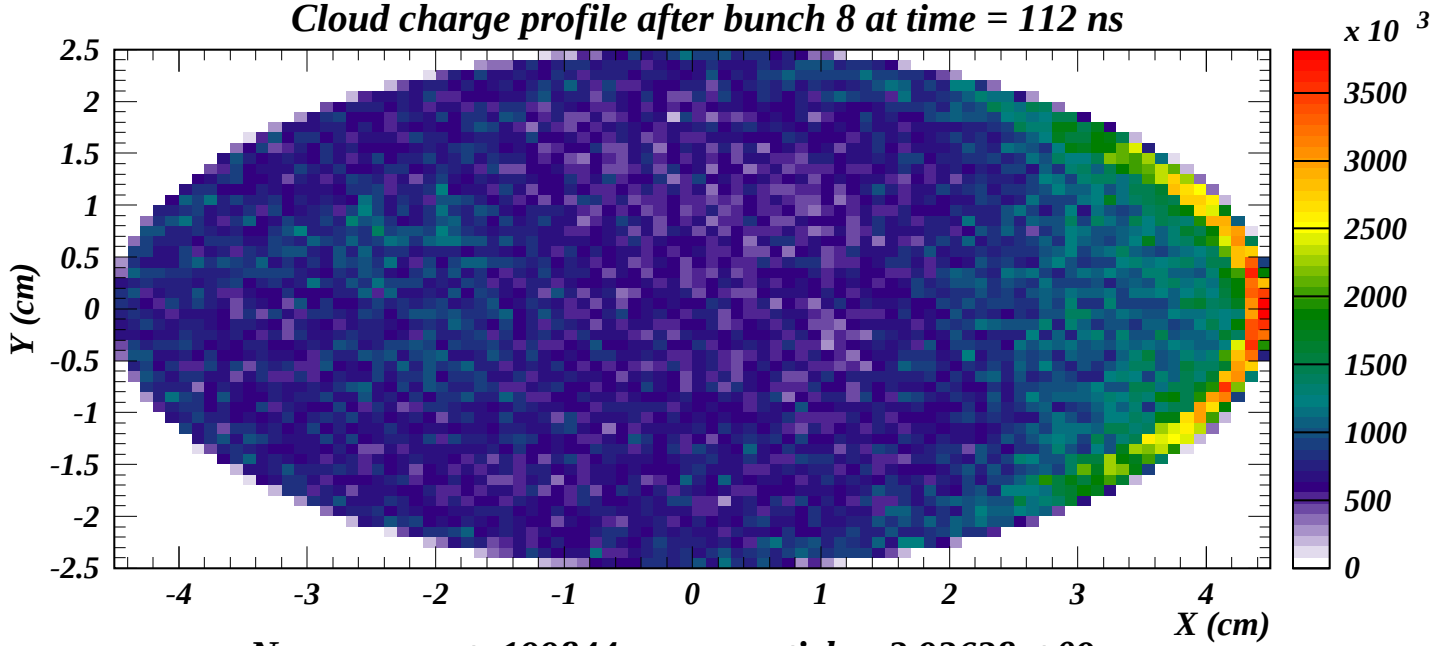
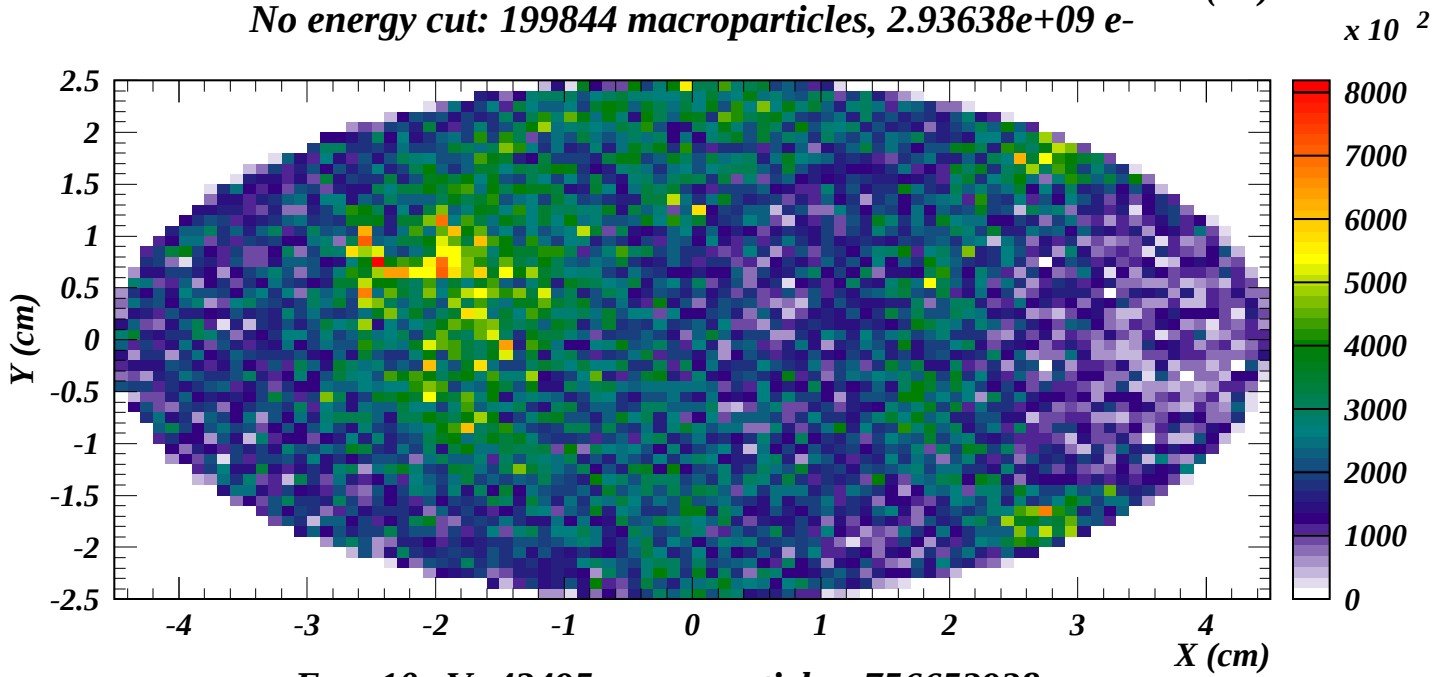
Cloud charge profile after bunch 7 at time = 98 ns

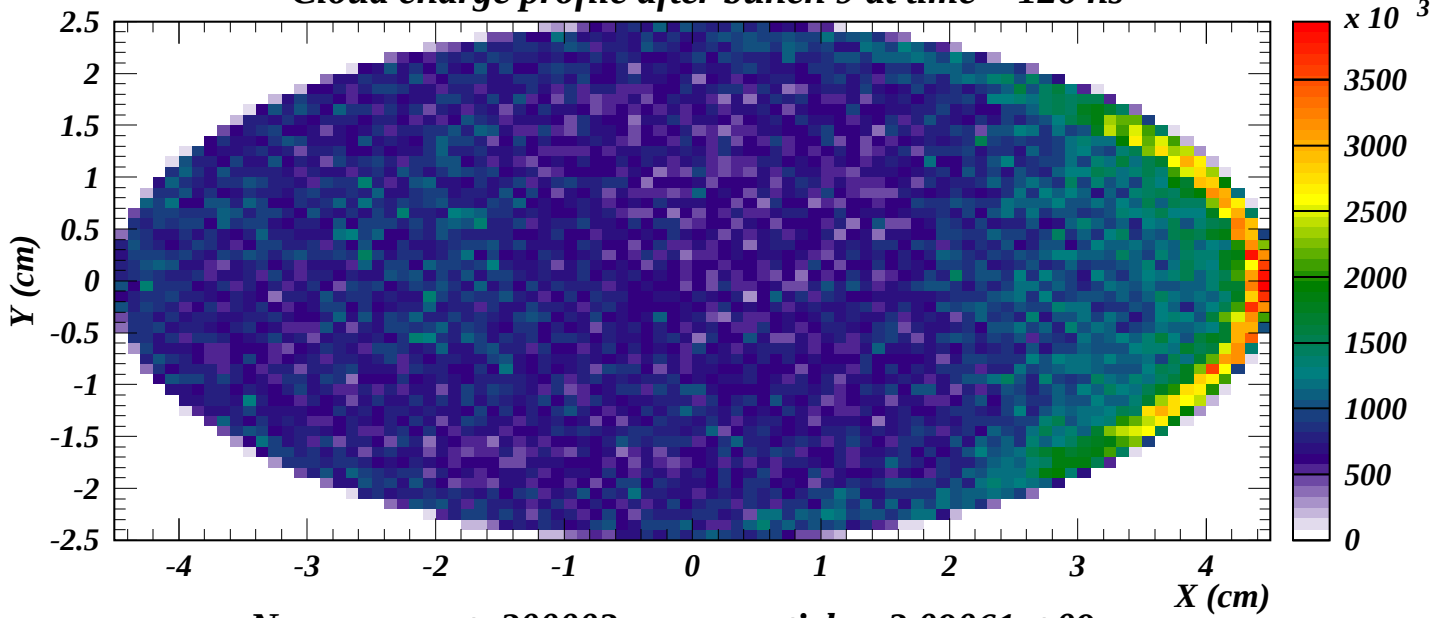
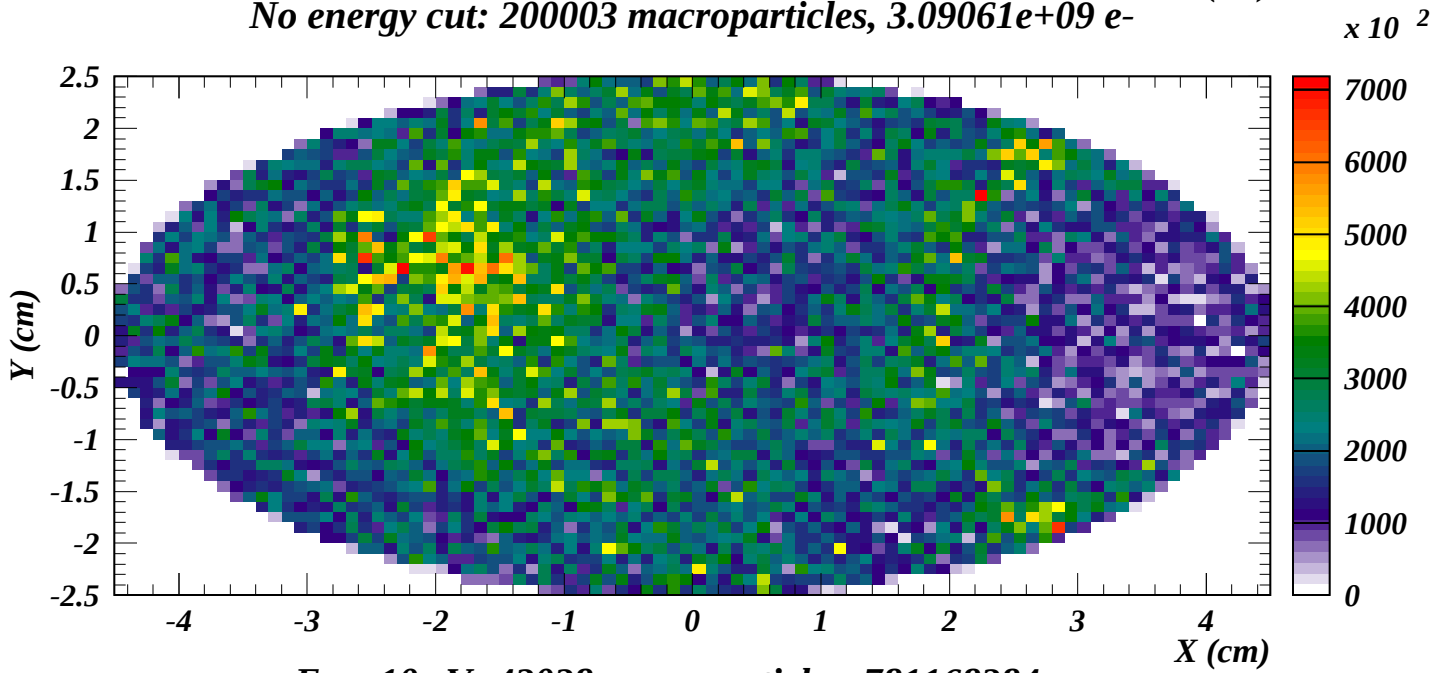


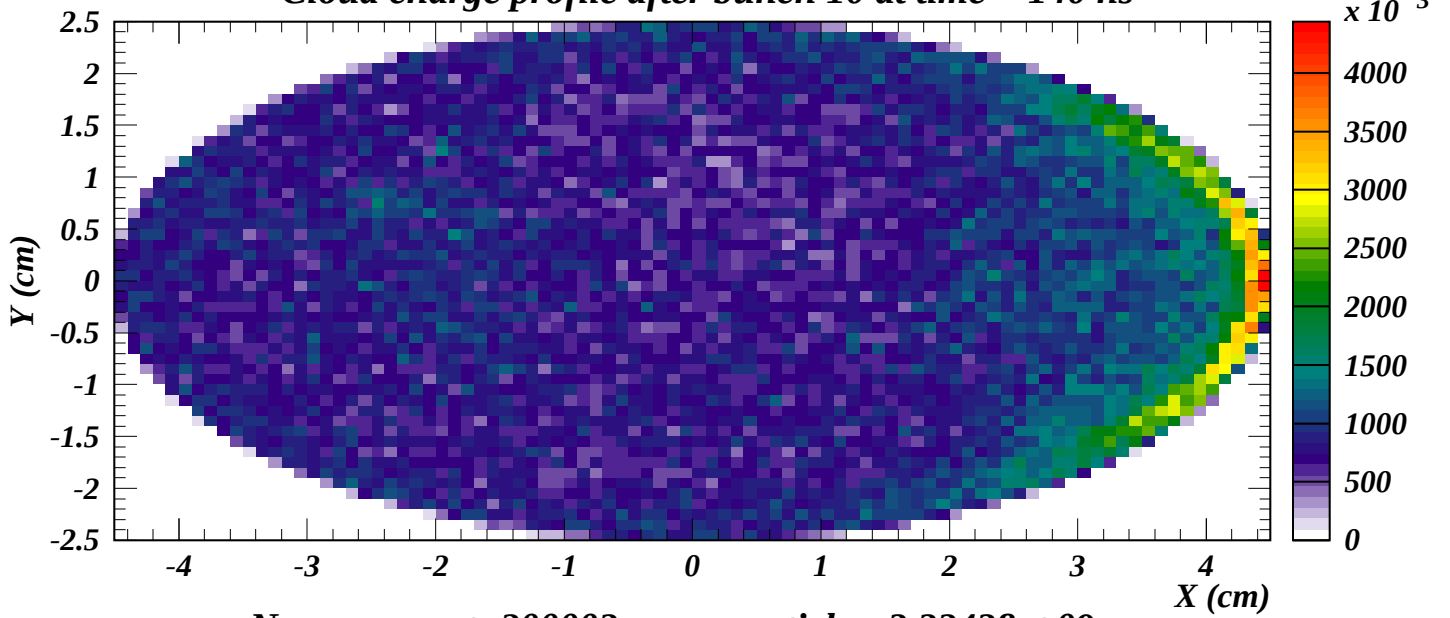
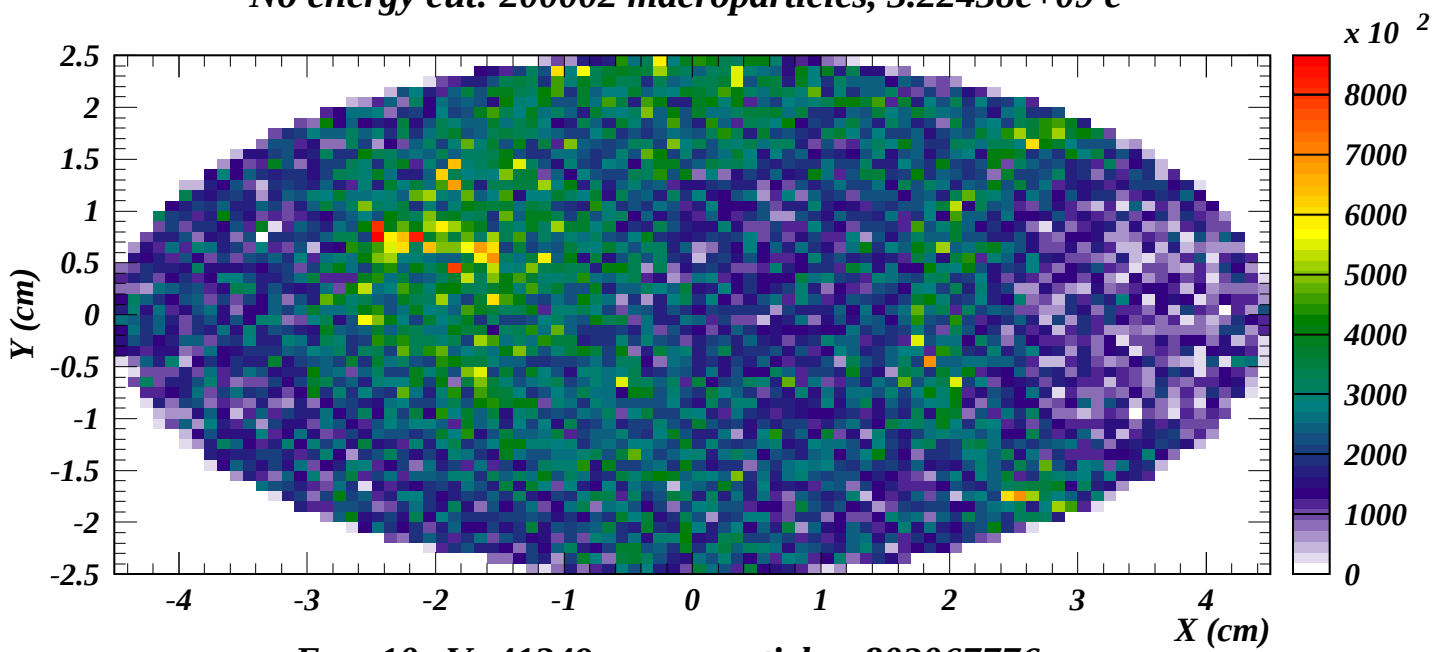
No energy cut: 177477 macroparticles, $2.74805e+09 \text{ e-}$

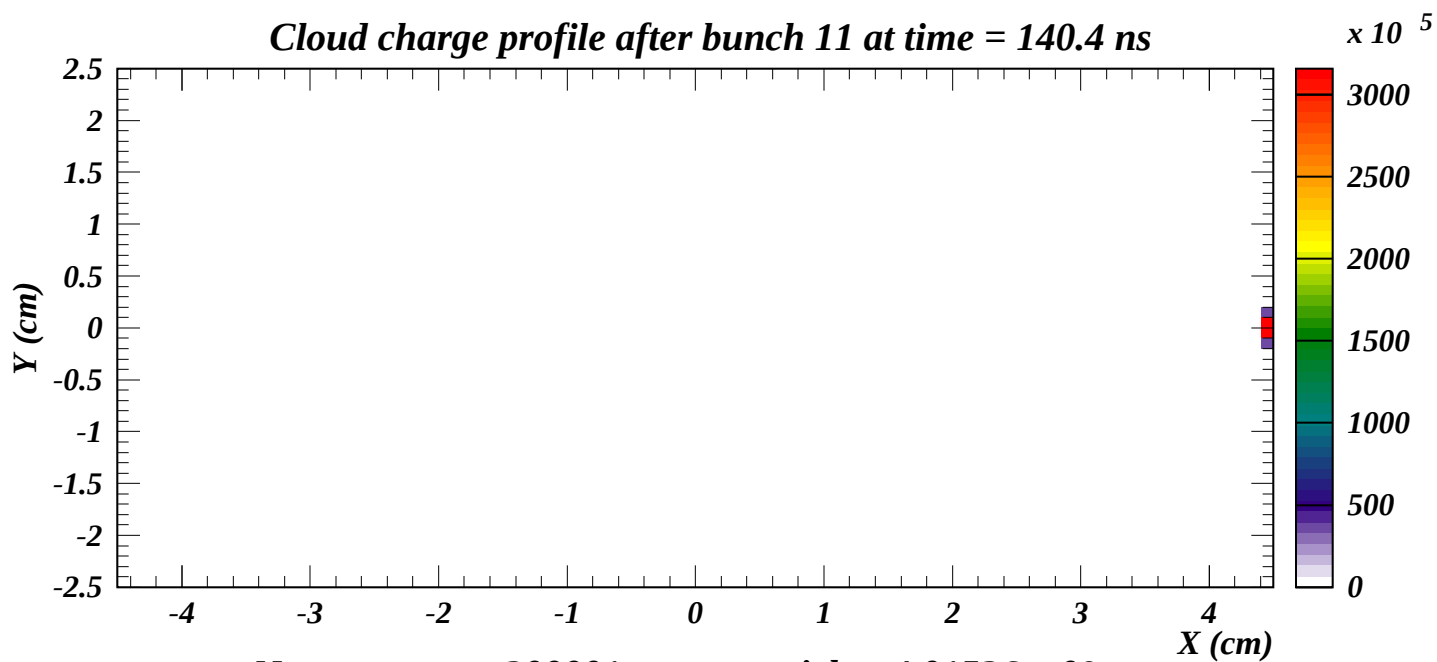
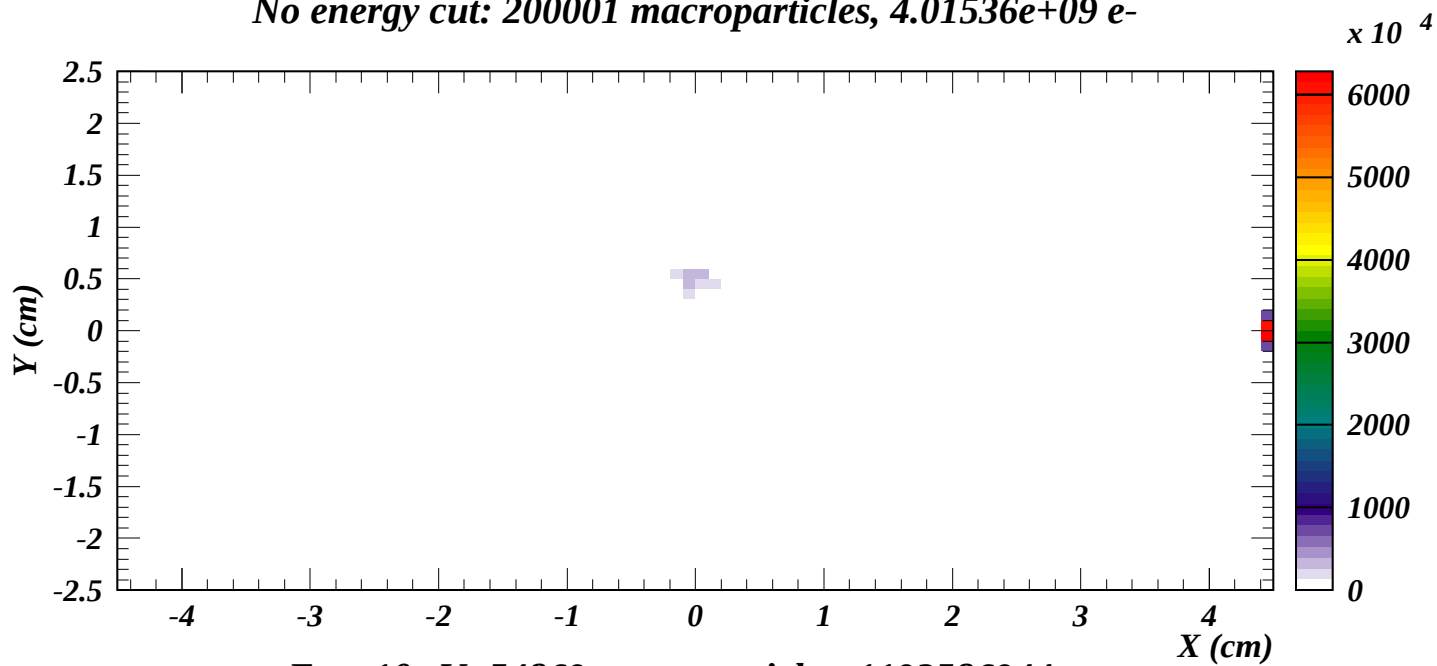


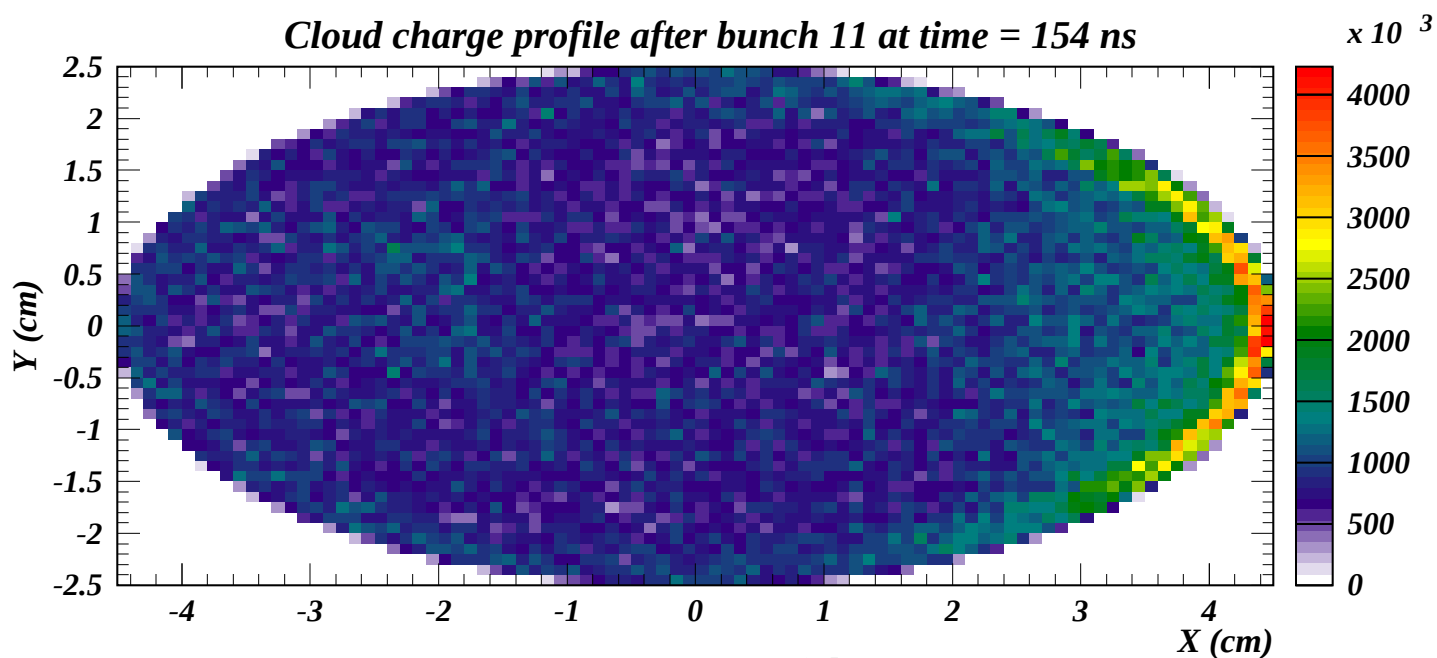
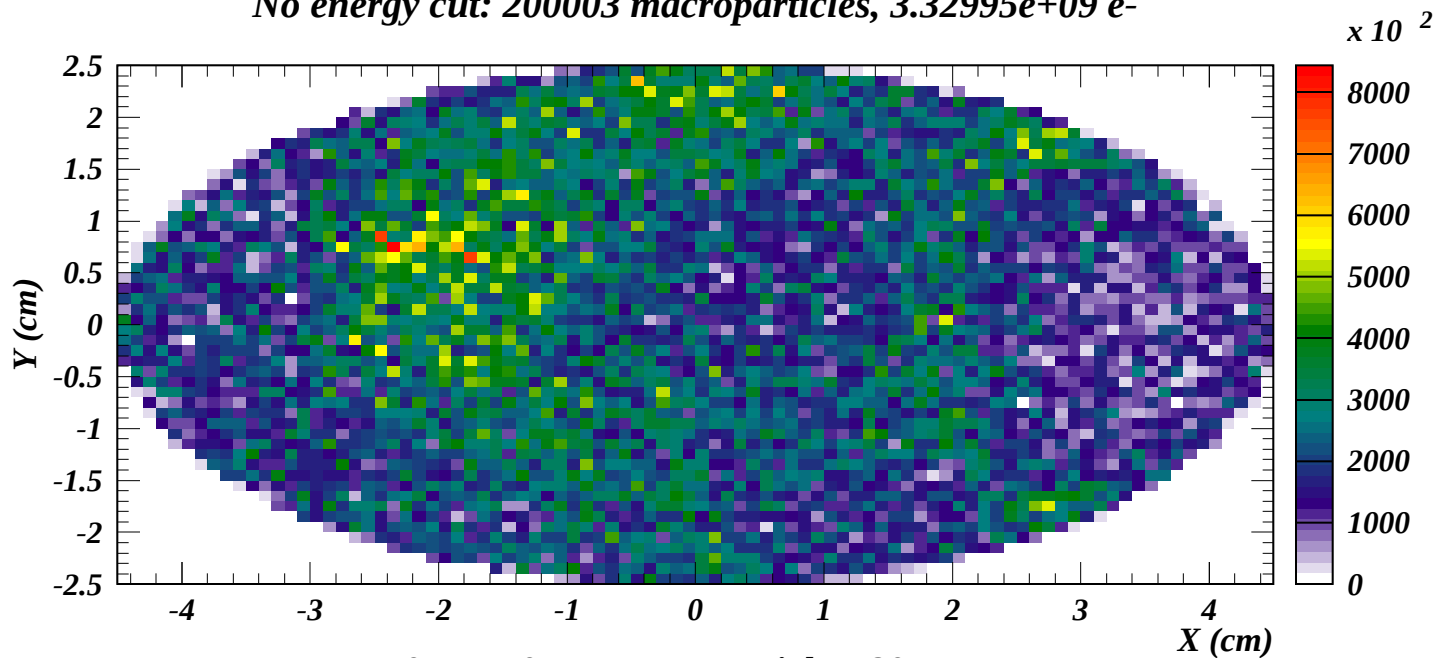
$E_{kin} > 10 \text{ eV}$: 37989 macroparticles, 719509376 e-

Cloud charge profile after bunch 8 at time = 112 ns*No energy cut: 199844 macroparticles, $2.93638e+09 \text{ e-}$*  *$E_{\text{kin}} > 10 \text{ eV}$: 42495 macroparticles, 756652928 e-*

Cloud charge profile after bunch 9 at time = 126 ns*No energy cut: 200003 macroparticles, $3.09061e+09 \text{ e-}$*  *$E_{kin} > 10 \text{ eV}$: 42028 macroparticles, 781168384 e-*

Cloud charge profile after bunch 10 at time = 140 ns*No energy cut: 200002 macroparticles, $3.22438e+09 \text{ e-}$*  *$E_{\text{kin}} > 10 \text{ eV}$: 41249 macroparticles, 802067776 e-*

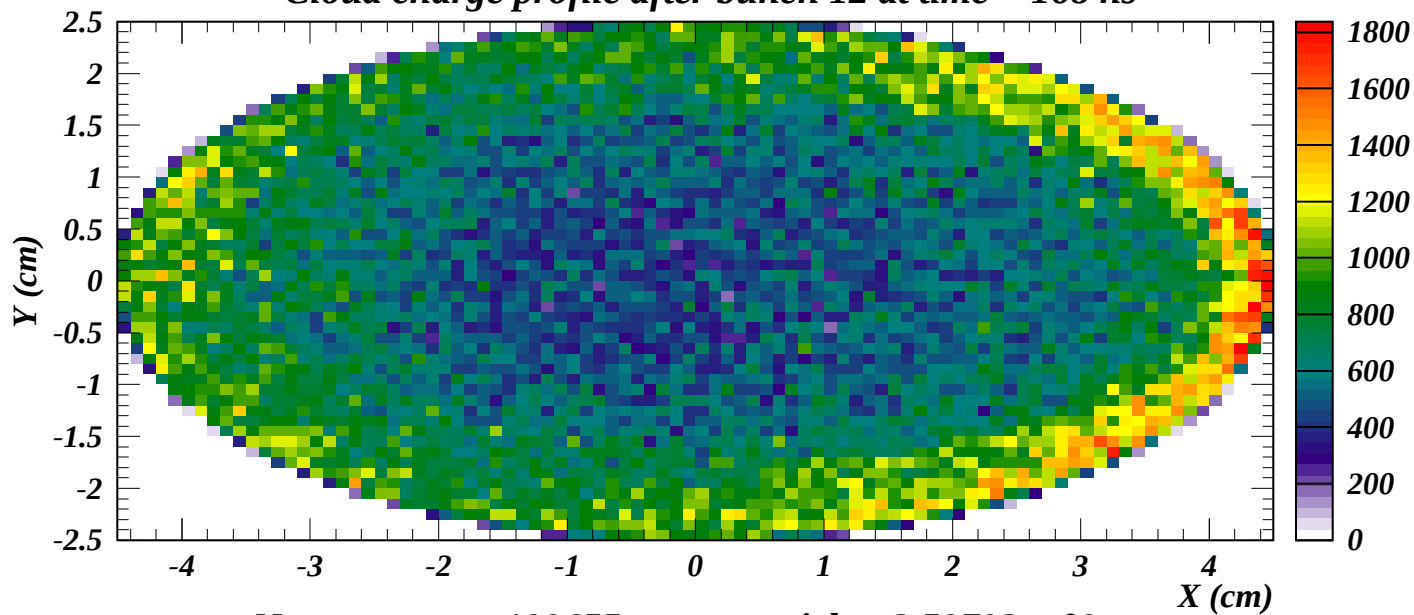
Cloud charge profile after bunch 11 at time = 140.4 ns***No energy cut: 200001 macroparticles, 4.01536e+09 e-*** ***$E_{\text{kin}} > 10 \text{ eV}$: 54869 macroparticles, 1193586944 e-***

Cloud charge profile after bunch 11 at time = 154 ns*No energy cut: 200003 macroparticles, $3.32995e+09 \text{ e-}$*  *$E_{\text{kin}} > 10 \text{ eV}$: 40321 macroparticles, 807796736 e-*

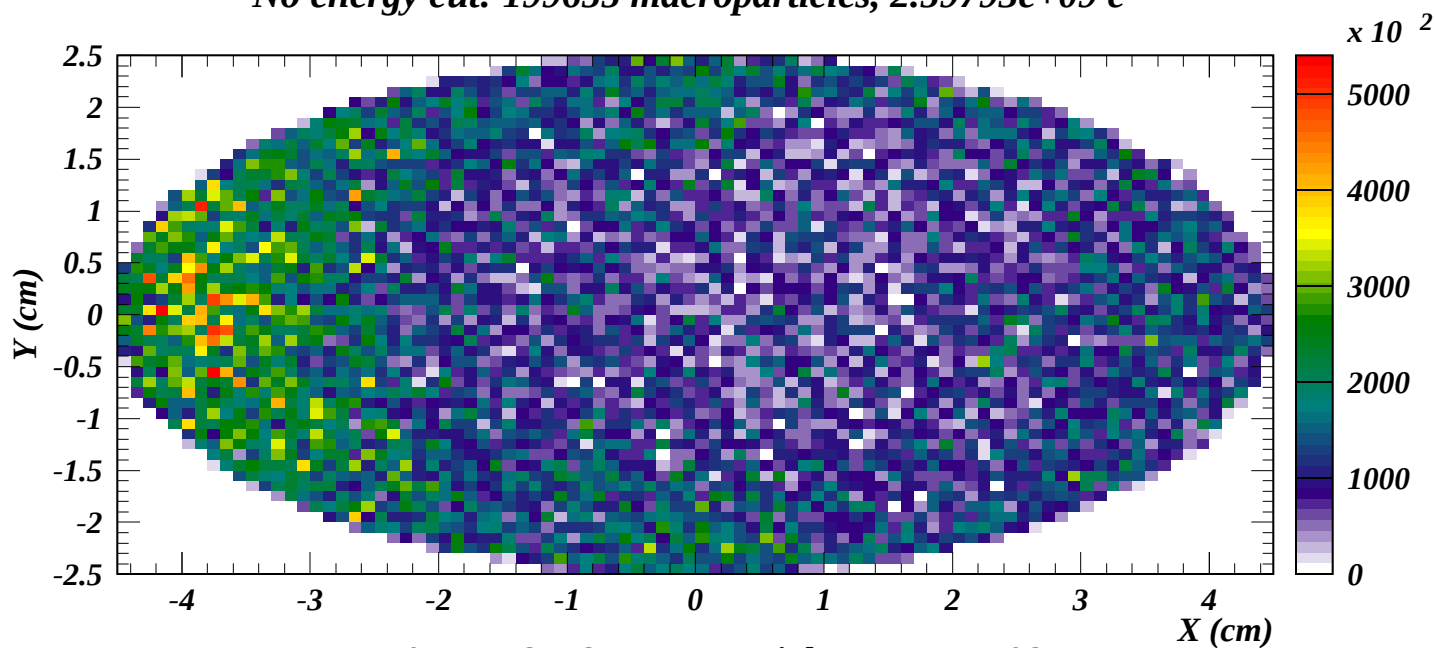
09/12/06 11.16

$\times 10^3$

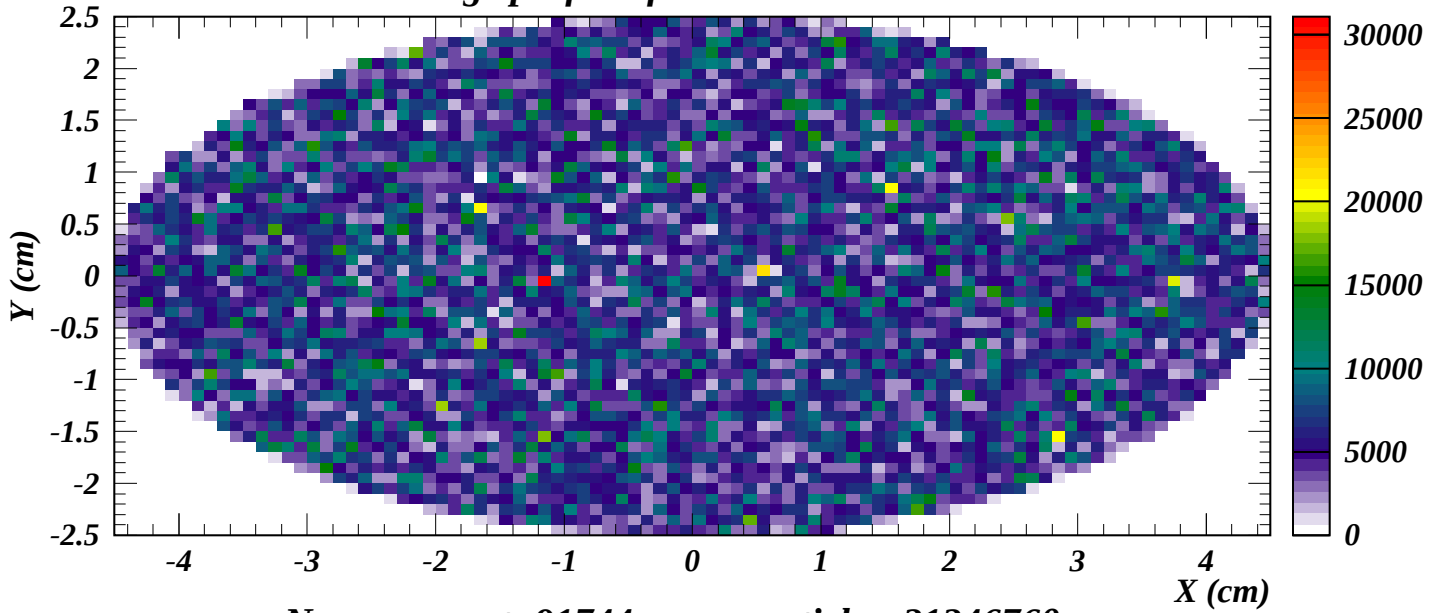
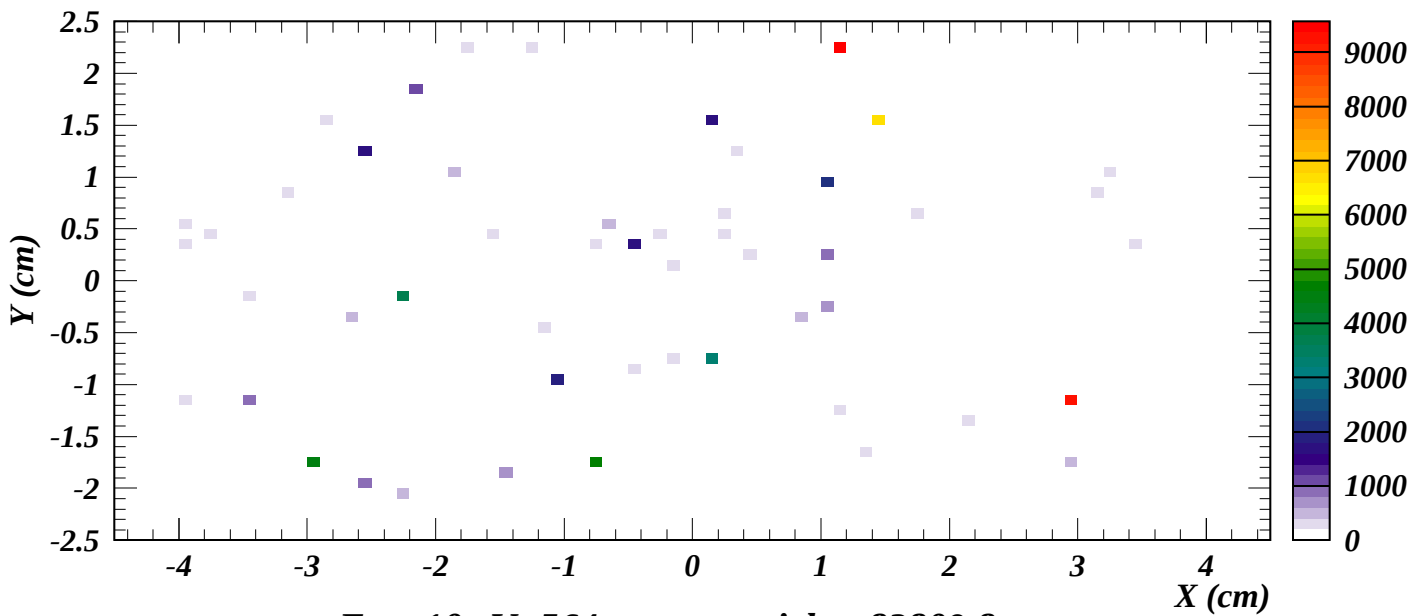
Cloud charge profile after bunch 12 at time = 168 ns

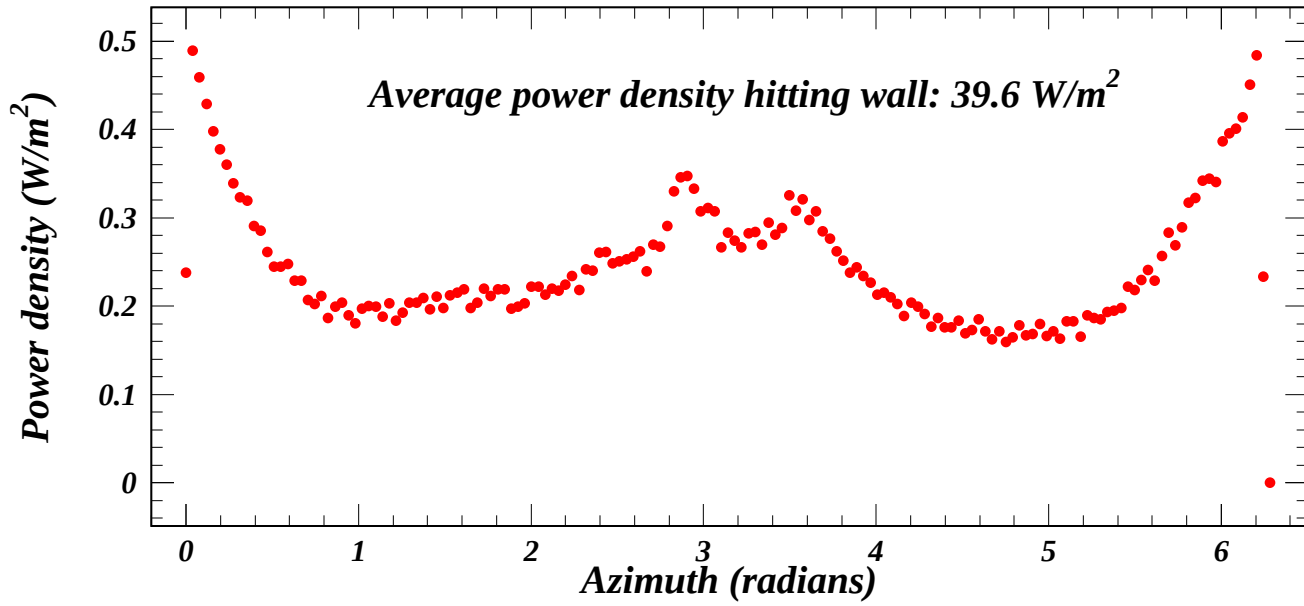
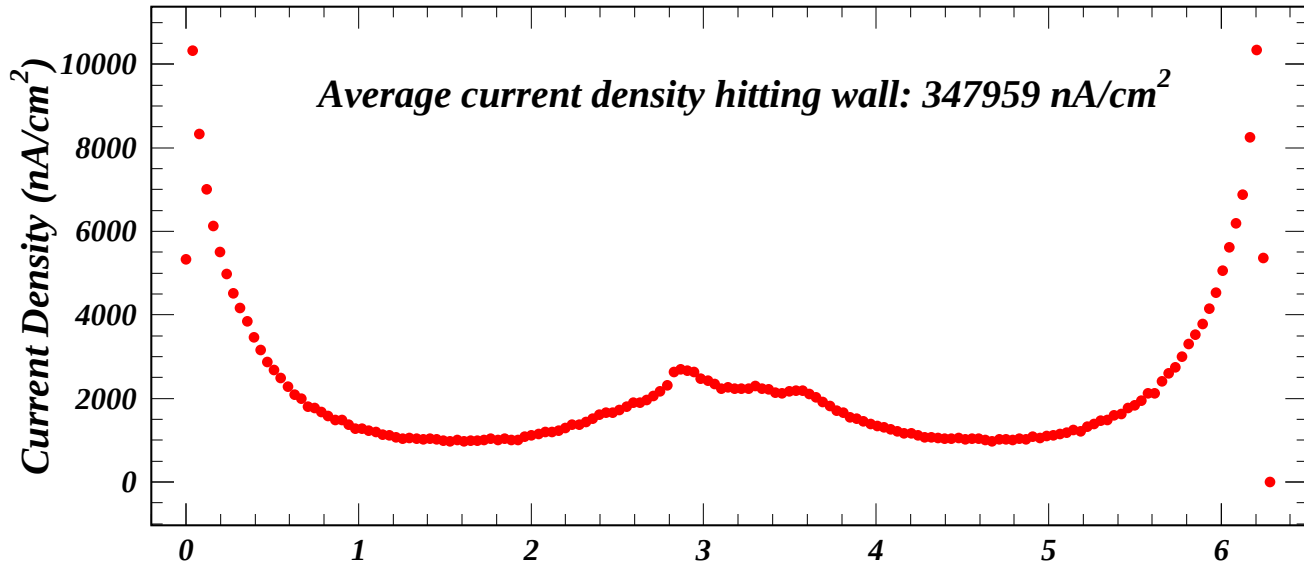


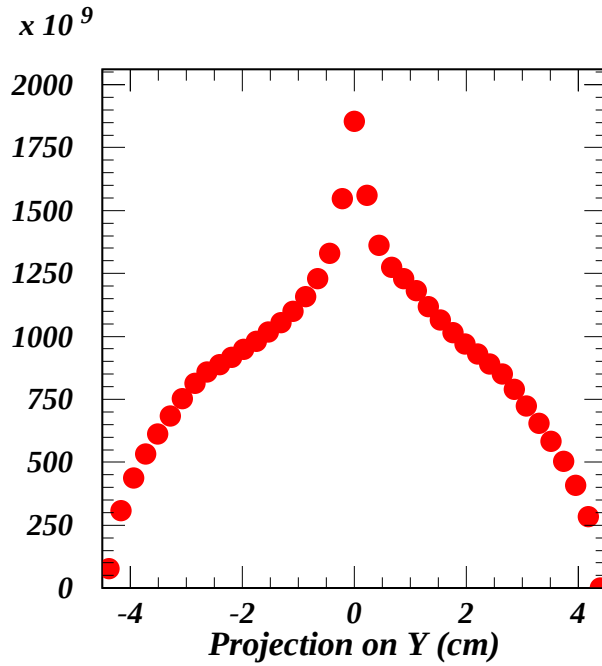
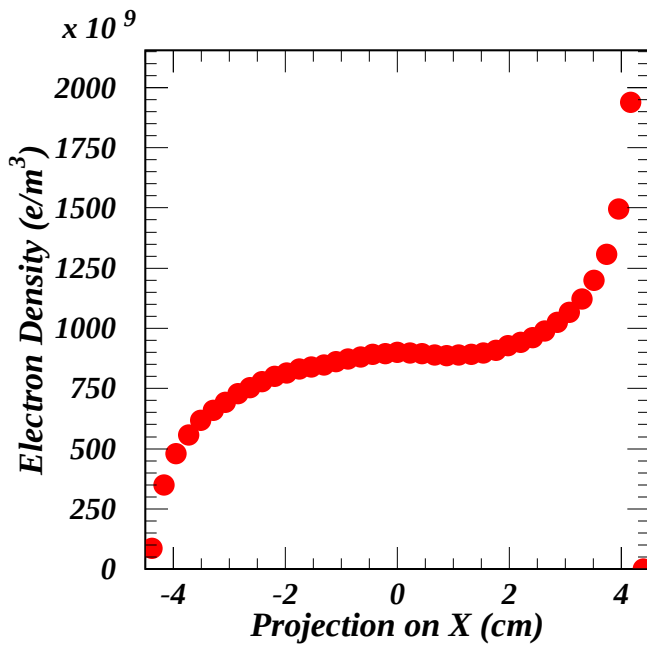
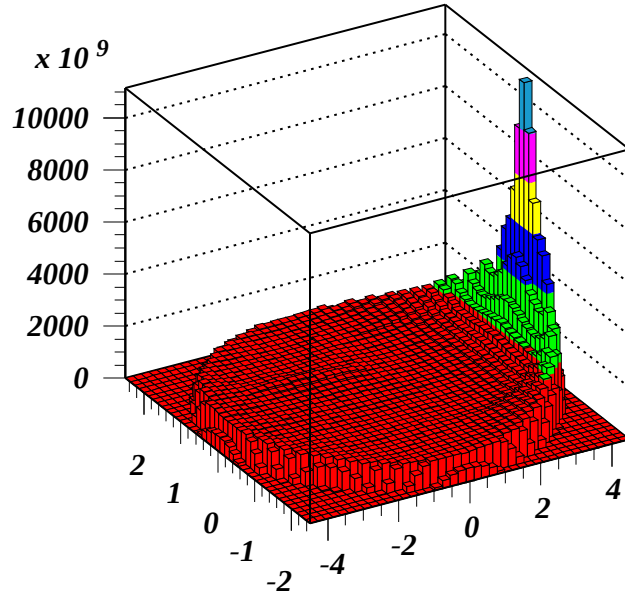
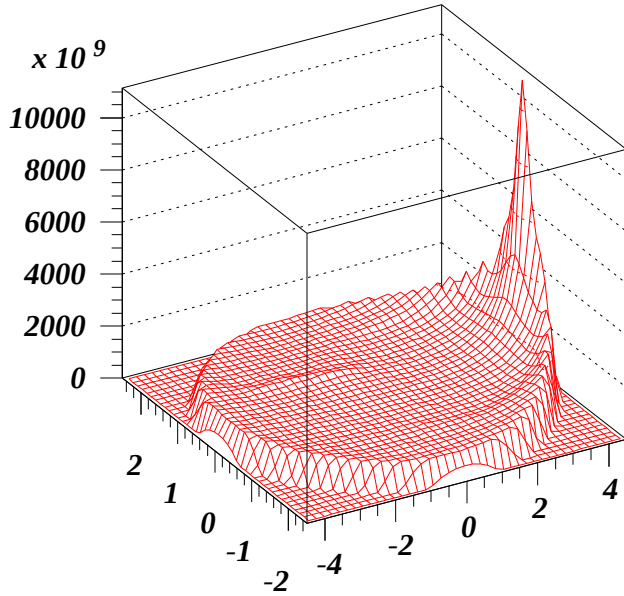
No energy cut: 199655 macroparticles, $2.59793e+09$ e-



$E_{kin} > 10$ eV: 28338 macroparticles, 452952608 e-

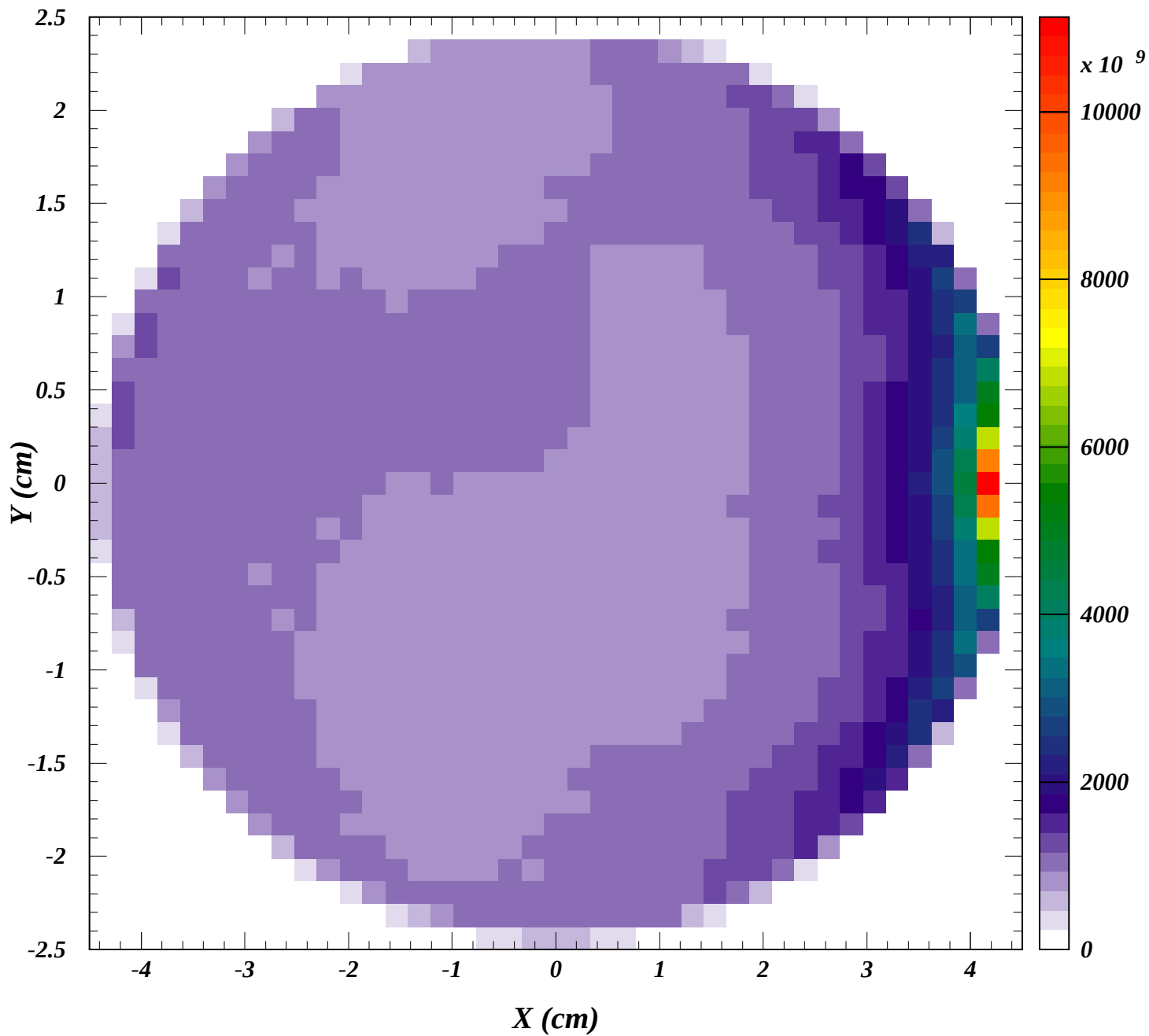
Cloud charge profile after bunch 46 at time = 630 ns*No energy cut: 91744 macroparticles, 21246760 e-* *$E_{kin} > 10$ eV: 564 macroparticles, 83809.8 e-*

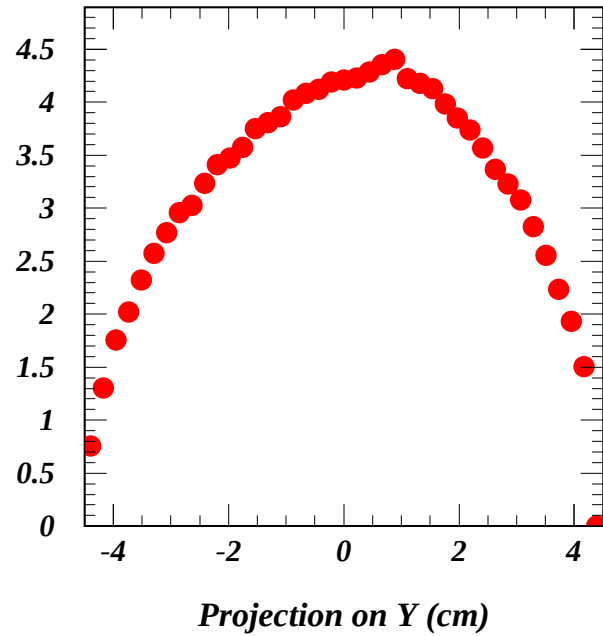
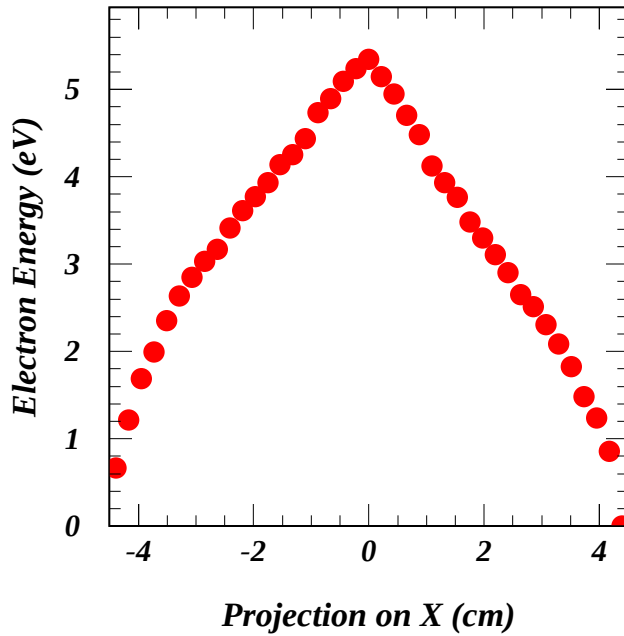
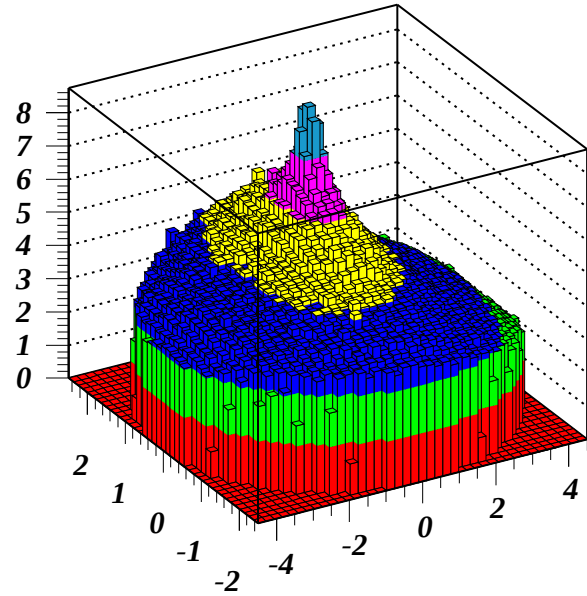
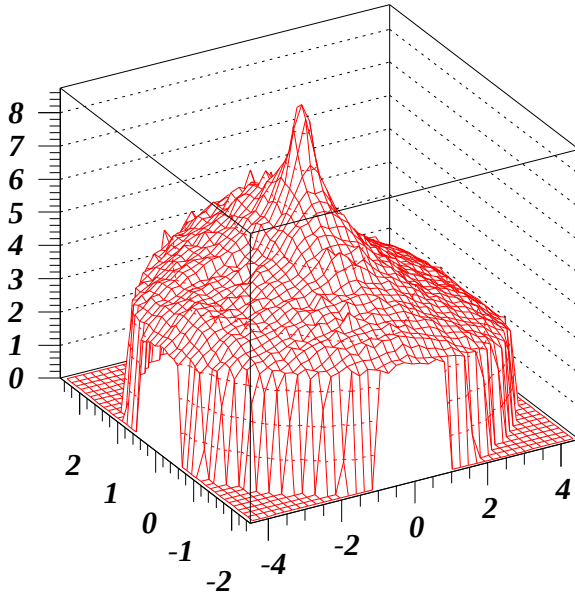


ECLOUD-TS0608_SEY20_Epk310: Cloud Density (e/m^3) Averaged Over 643.6 ns

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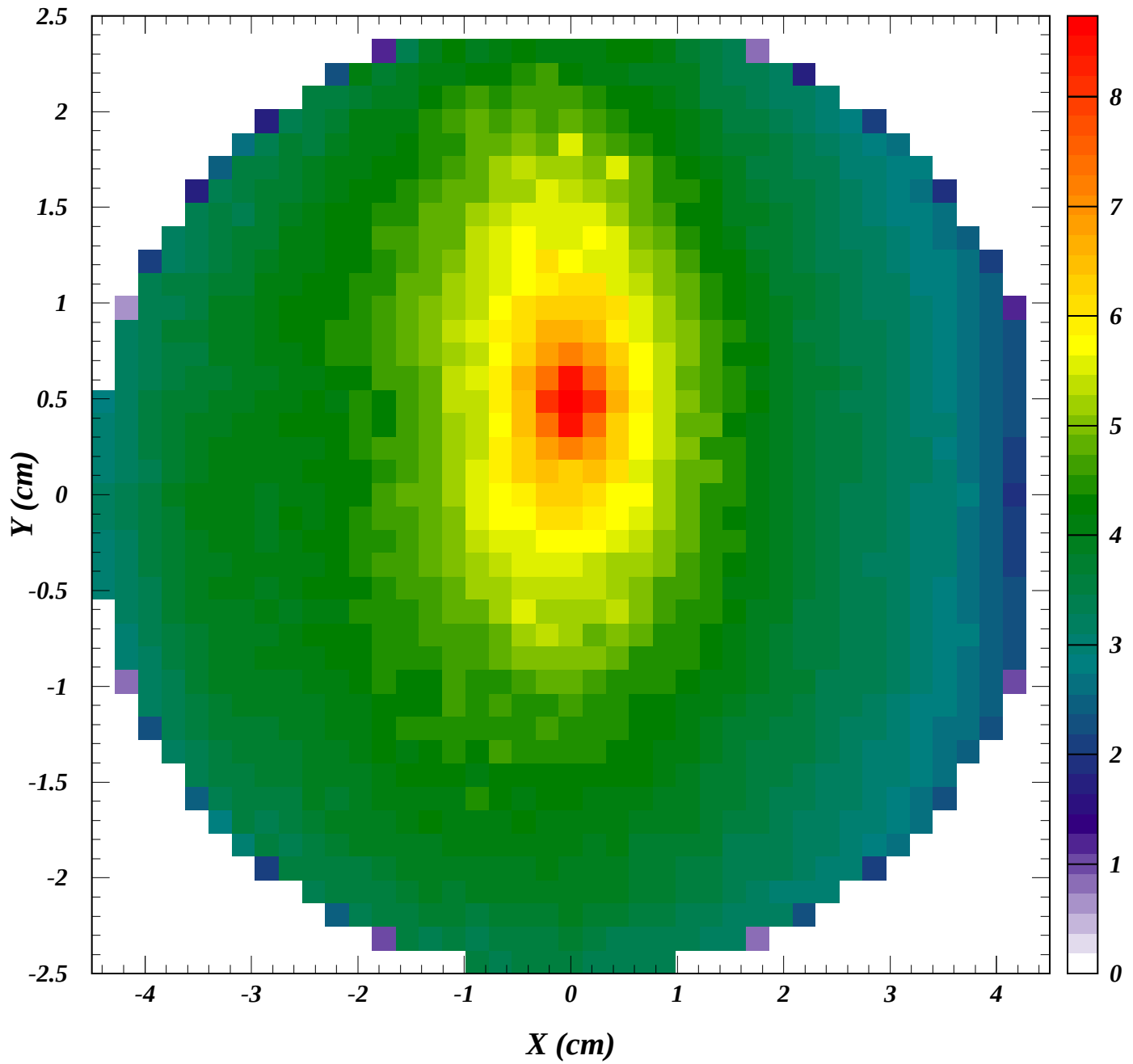
ECLLOUD-TS0608_SEY20_Epk310: Cloud Density (e/m^3) Averaged Over 643.6 ns



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

09/12/06 11.17

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



Jobs 14279 to 14279: RFA Collector Currents (nA)