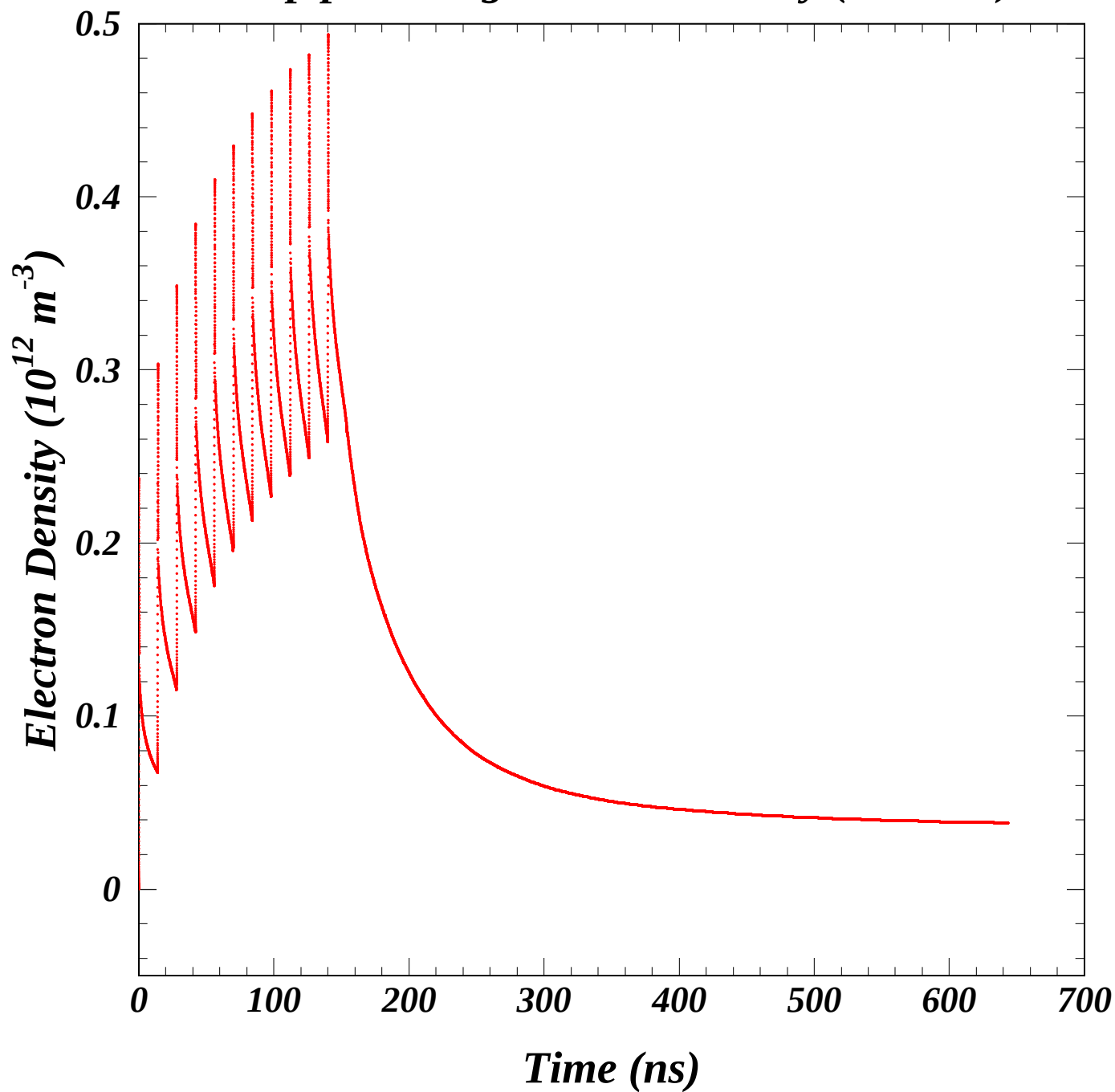
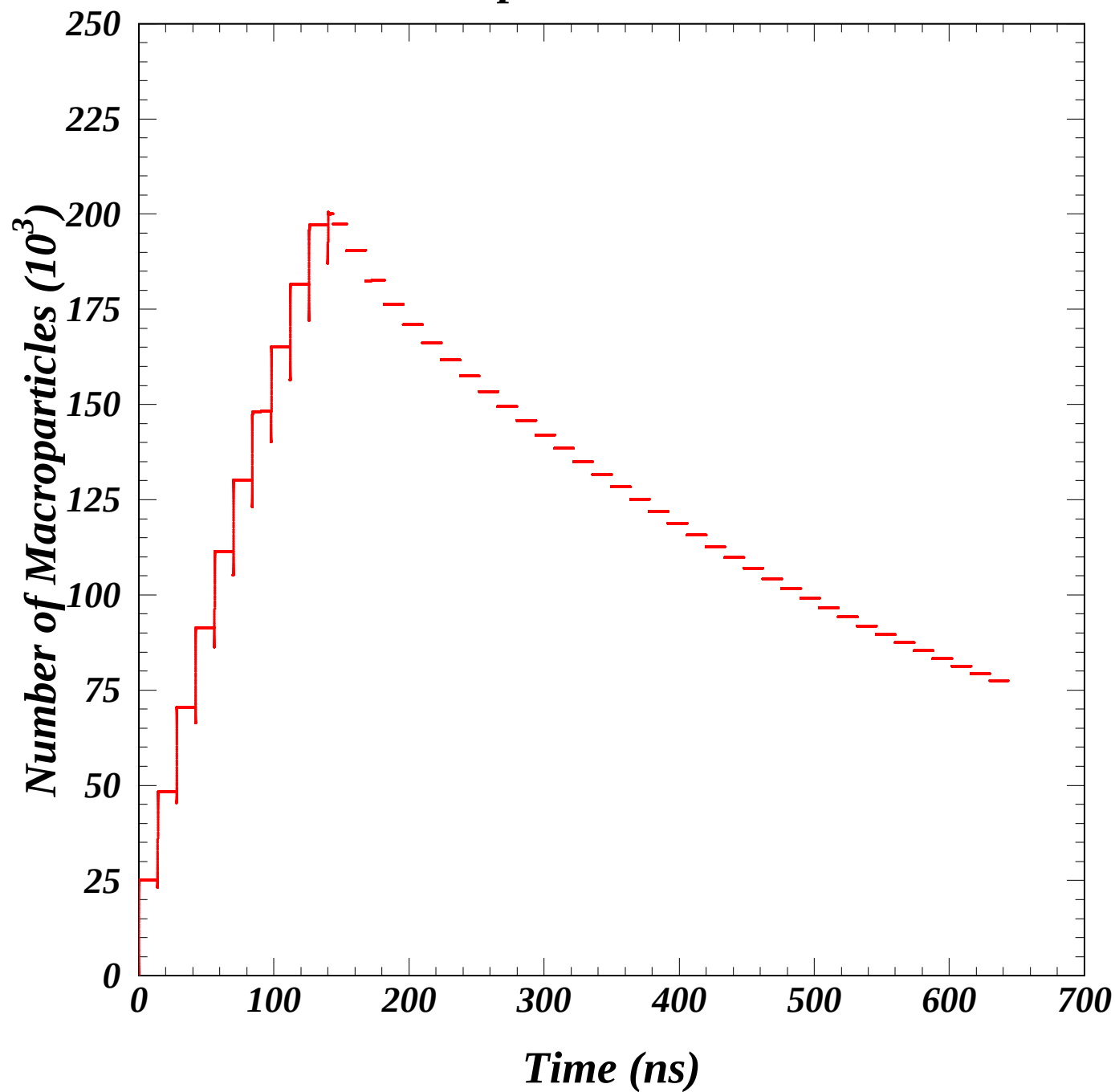
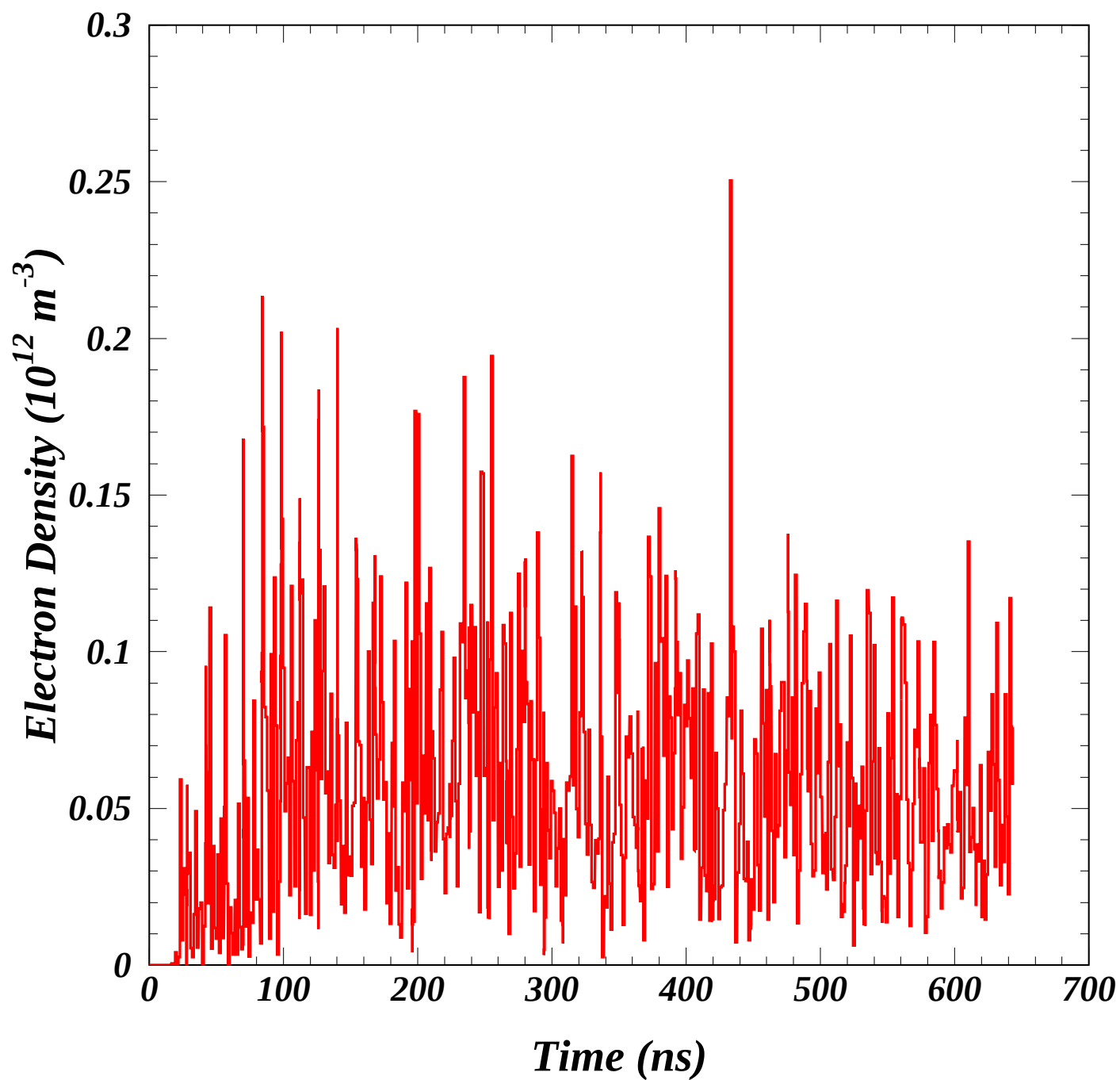
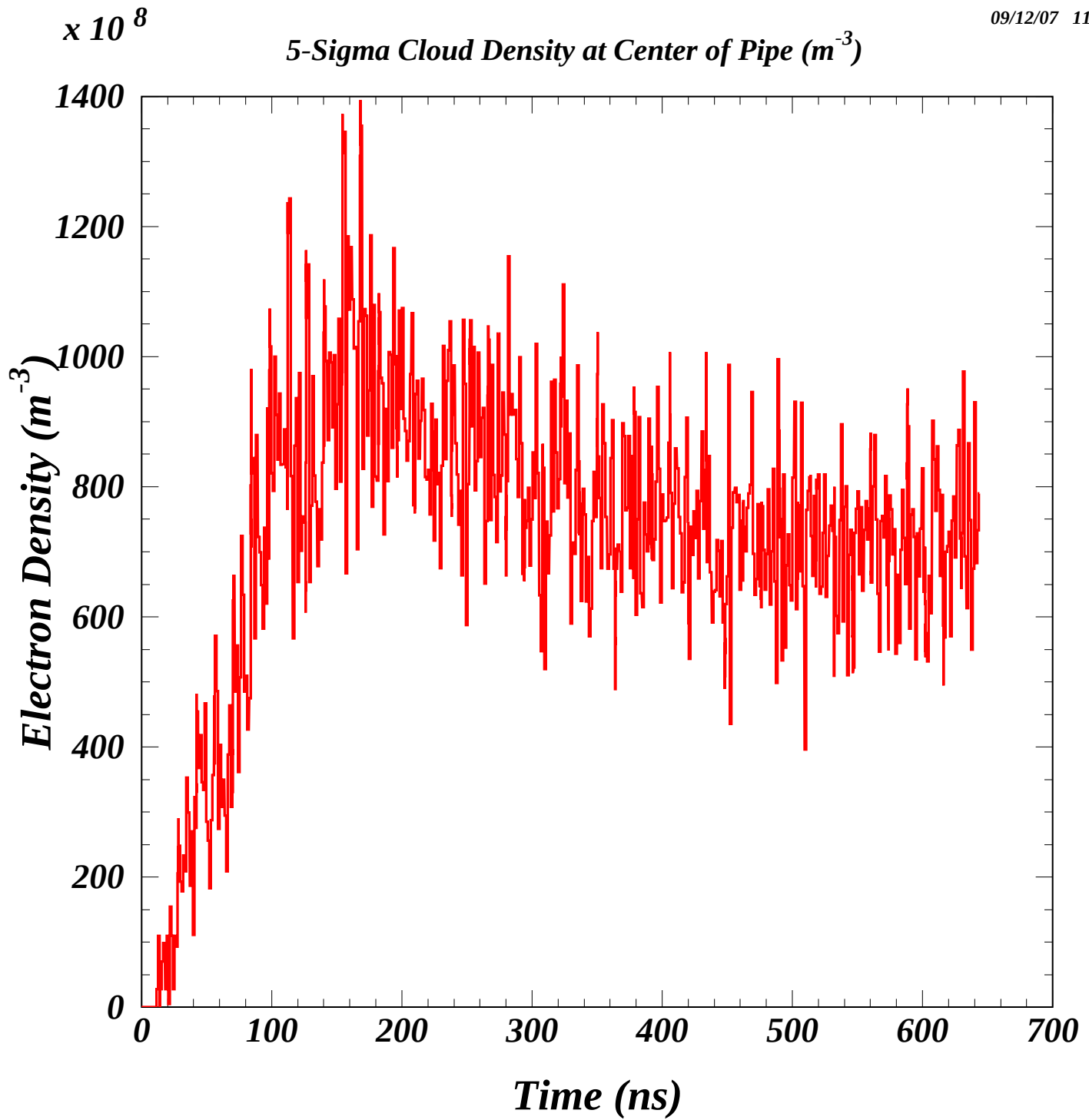


Beampipe-averaged Cloud Density (10^{12} m^{-3})

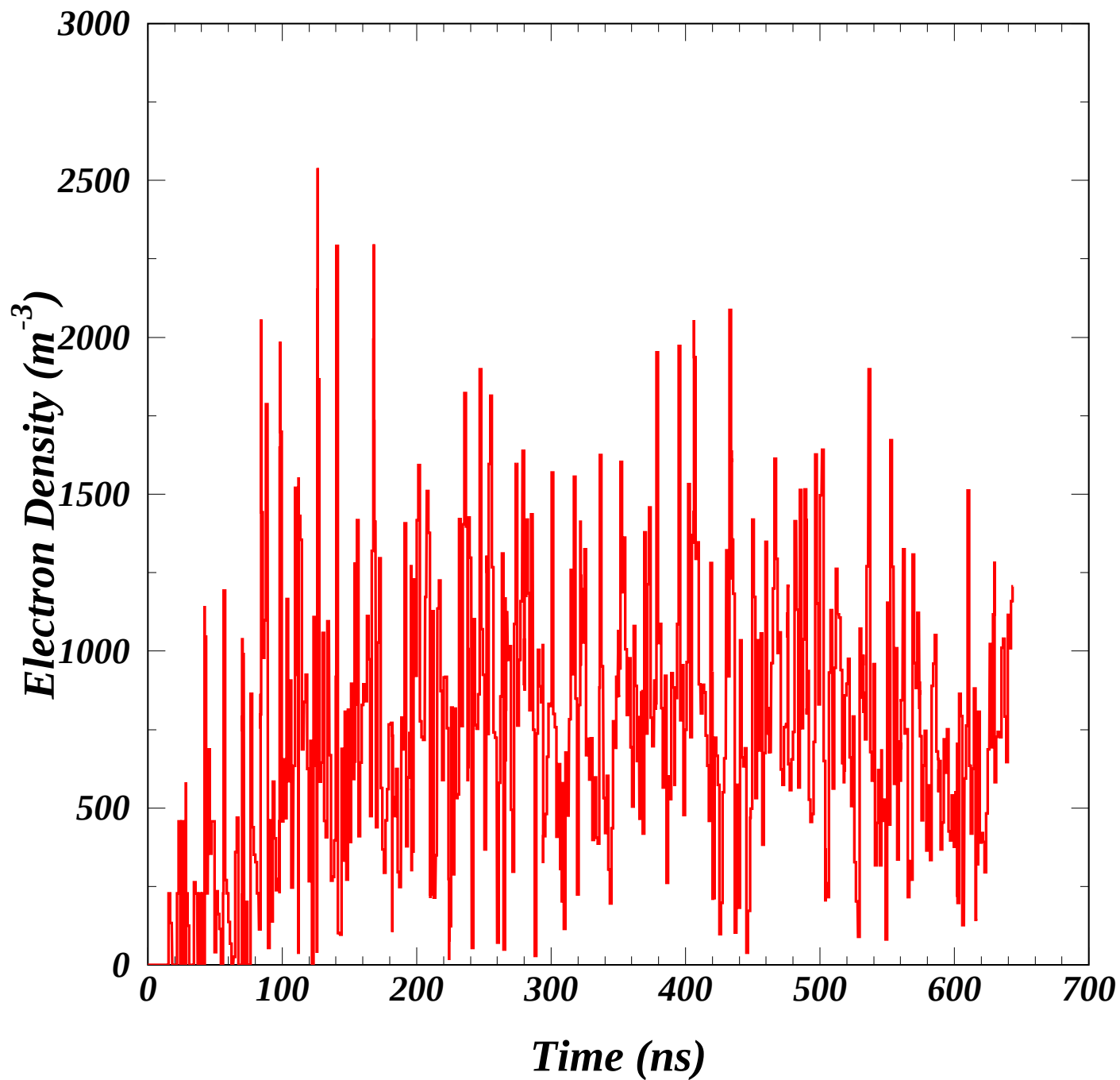
Macroparticle Statistics



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

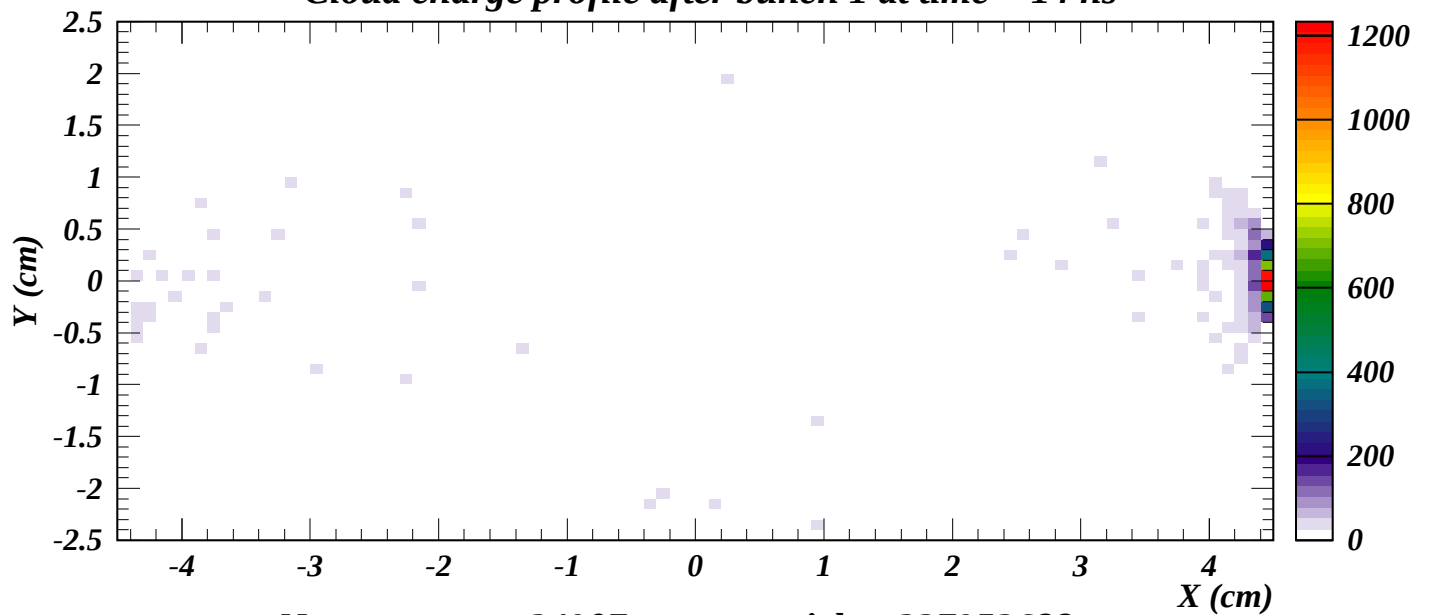
5-Sigma Cloud Density at Center of Pipe (m^{-3})

$\times 10^8$ 09/12/07 11.49
ECLOUD-TS0608_SEY20_Epk310: Cloud Density in Central Grid Cell (m^{-3})

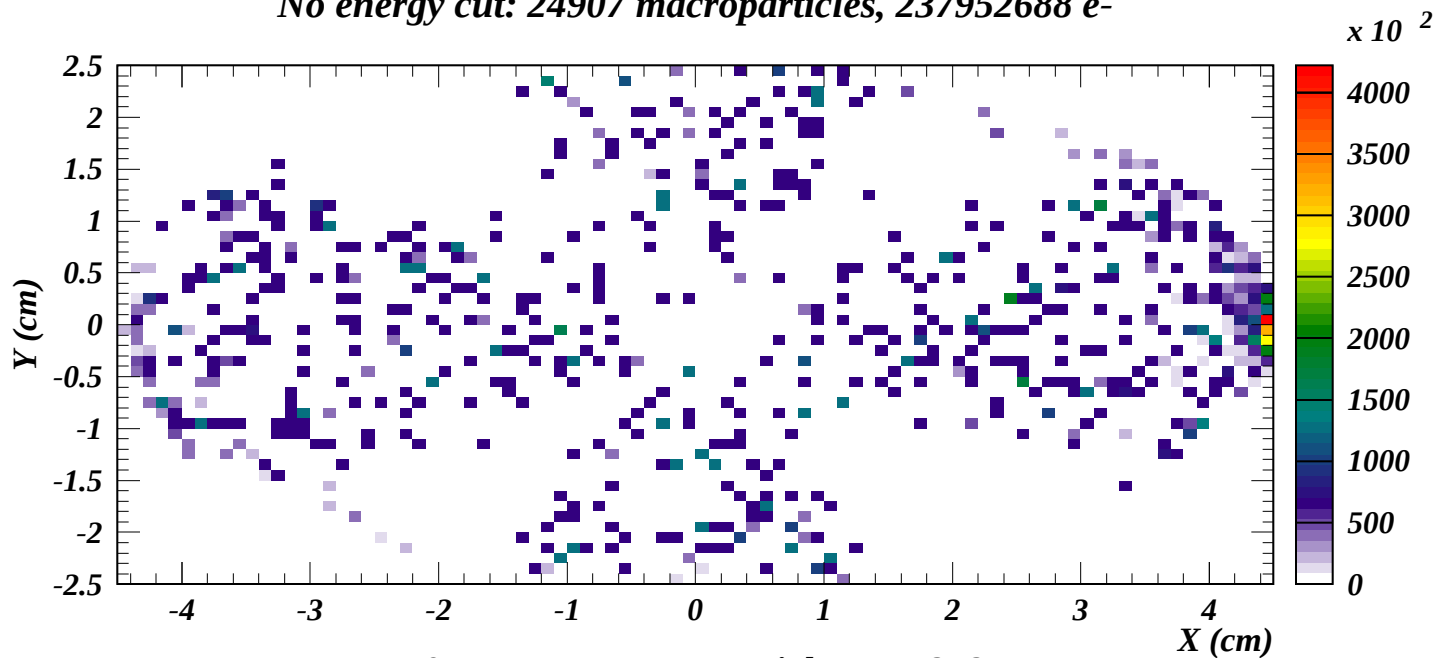


09/12/07 11.49

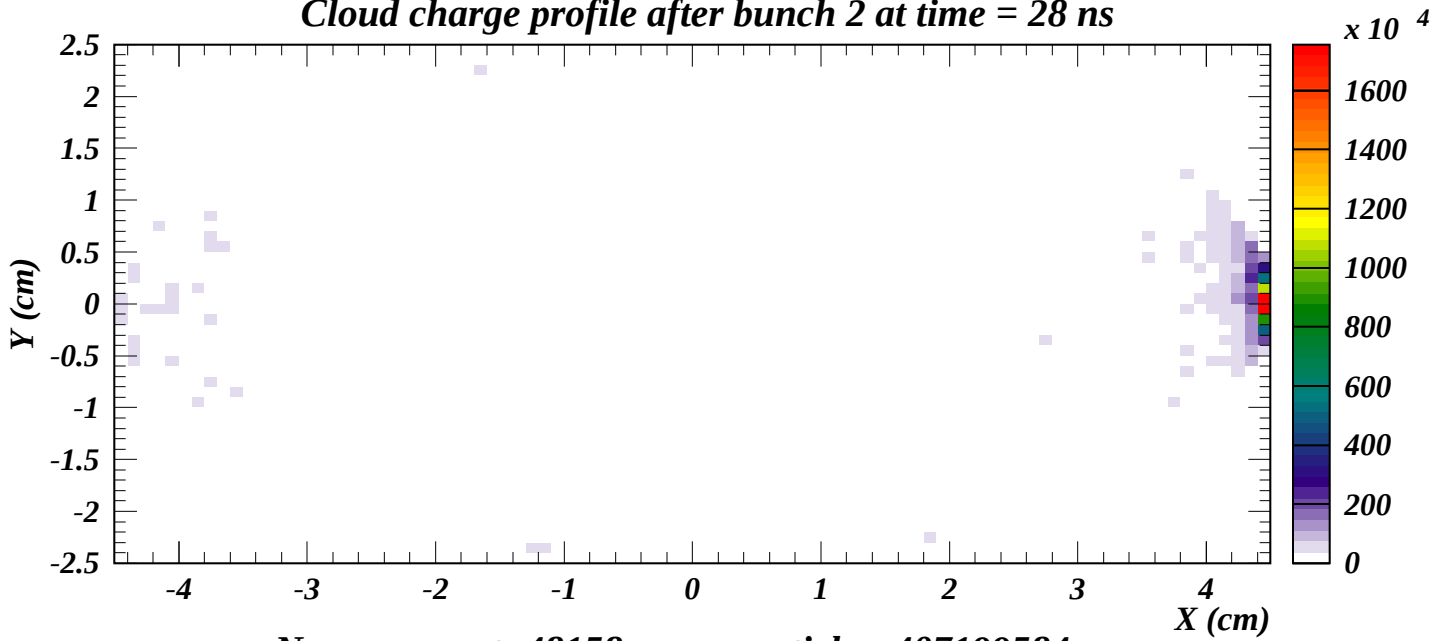
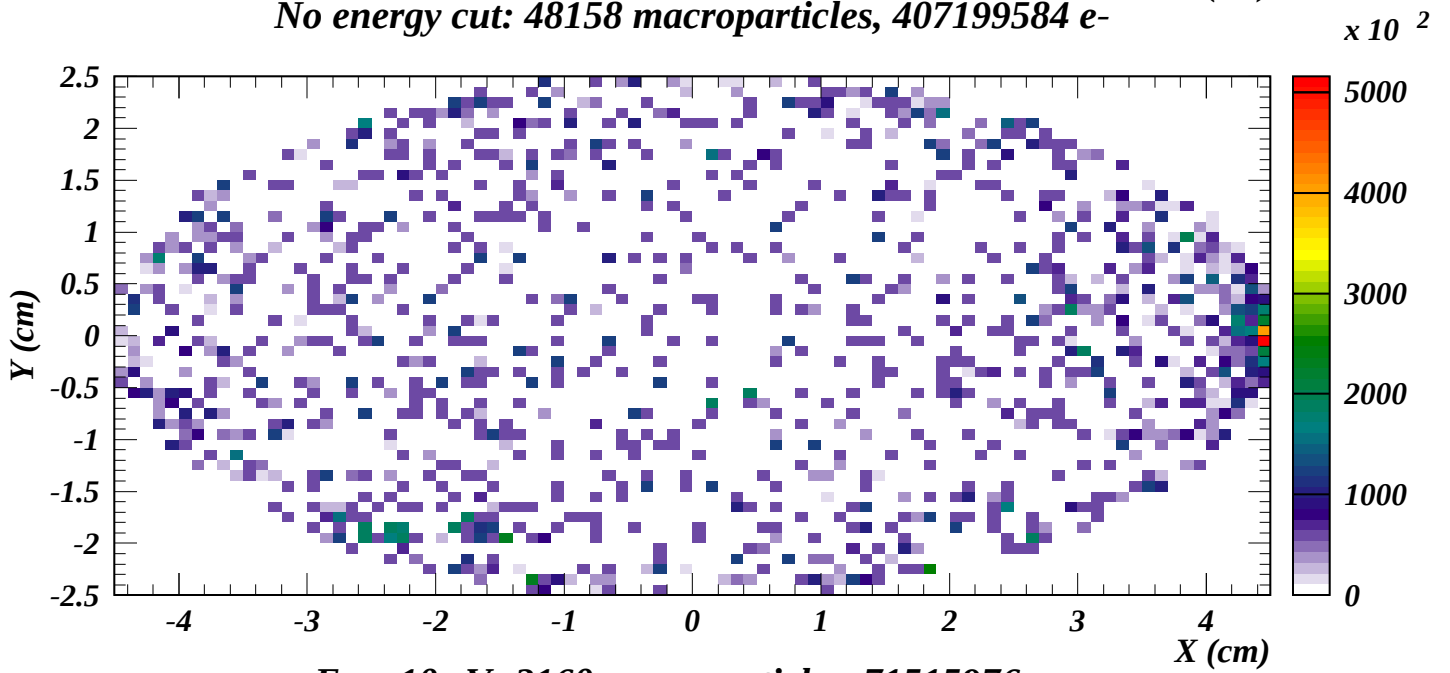
Cloud charge profile after bunch 1 at time = 14 ns



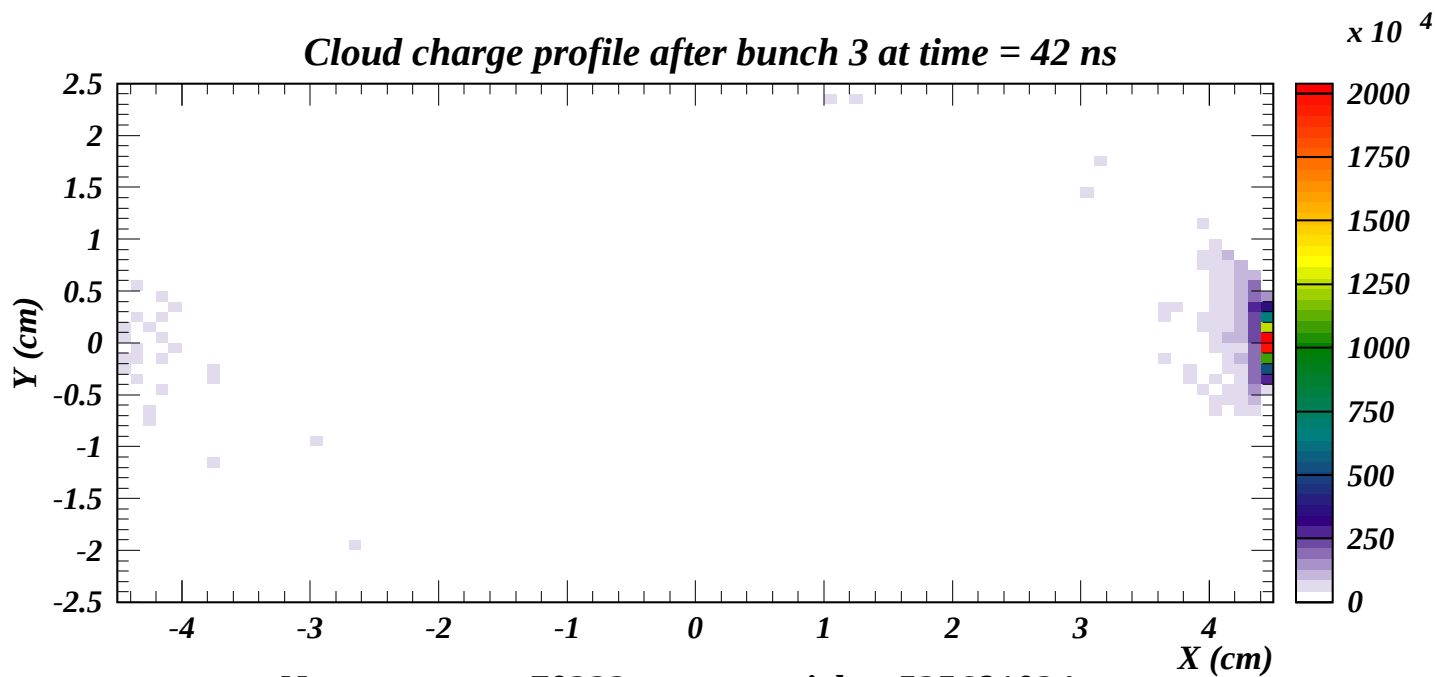
No energy cut: 24907 macroparticles, 237952688 e-



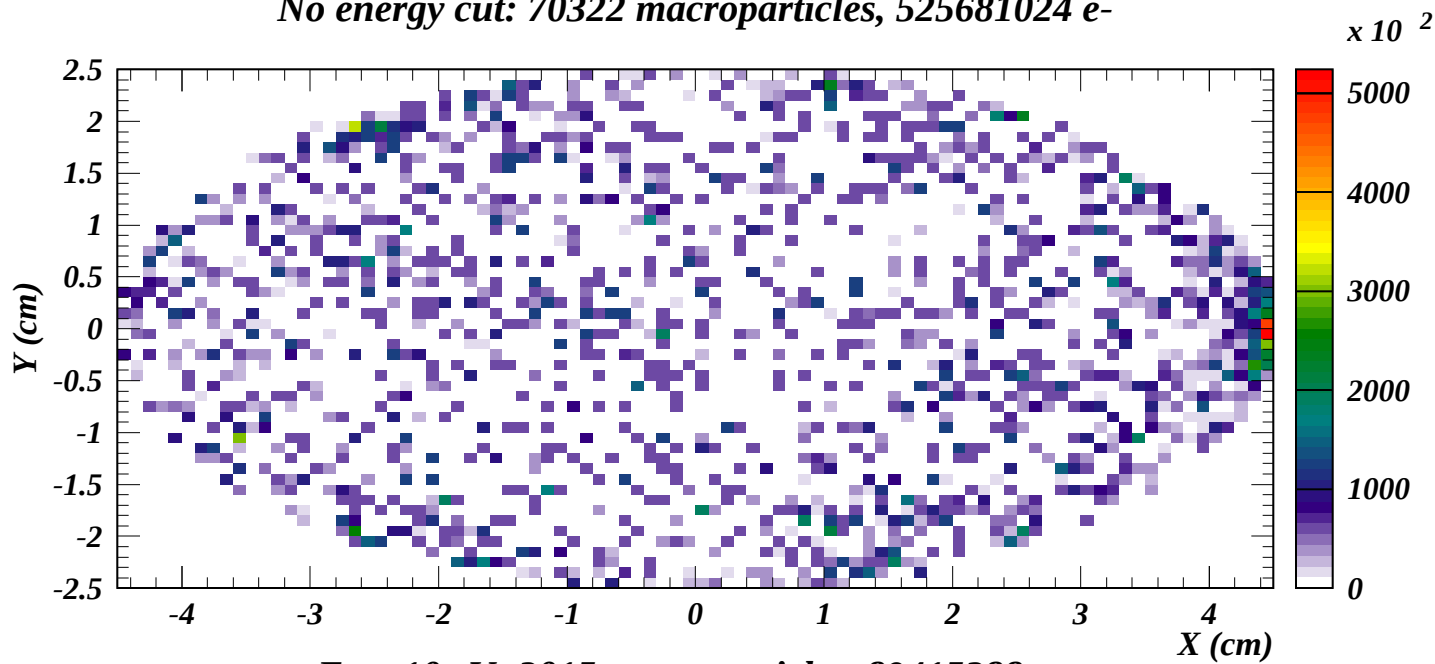
$E_{kin} > 10$ eV: 1133 macroparticles, 4183832 e-

Cloud charge profile after bunch 2 at time = 28 ns*No energy cut: 48158 macroparticles, 407199584 e-* *$E_{kin} > 10 \text{ eV}$: 2160 macroparticles, 71515976 e-*

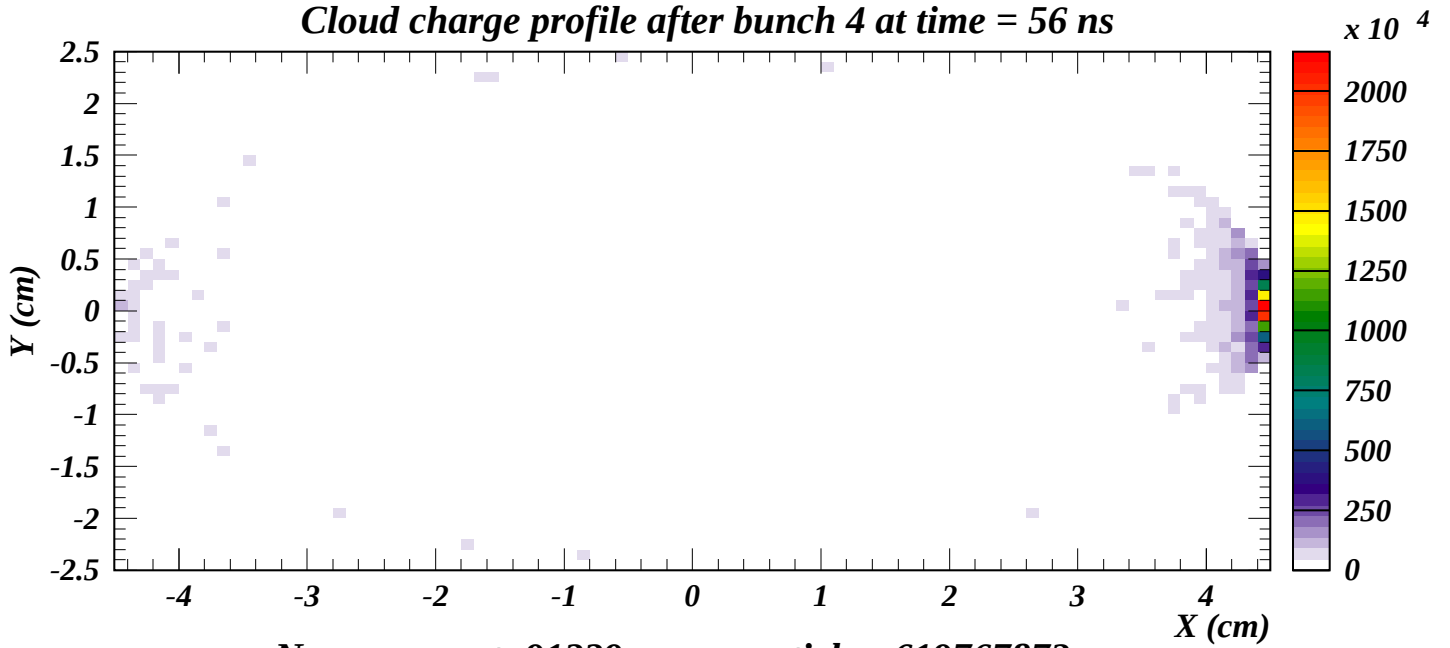
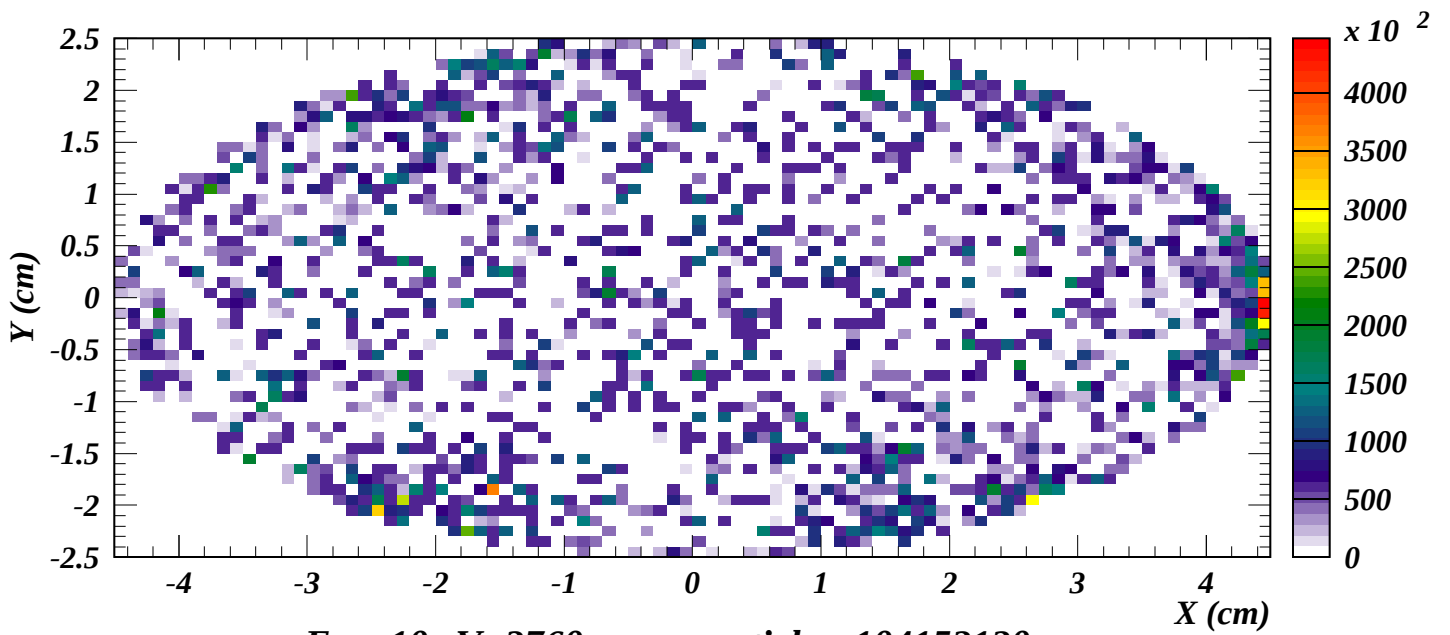
09/12/07 11:50

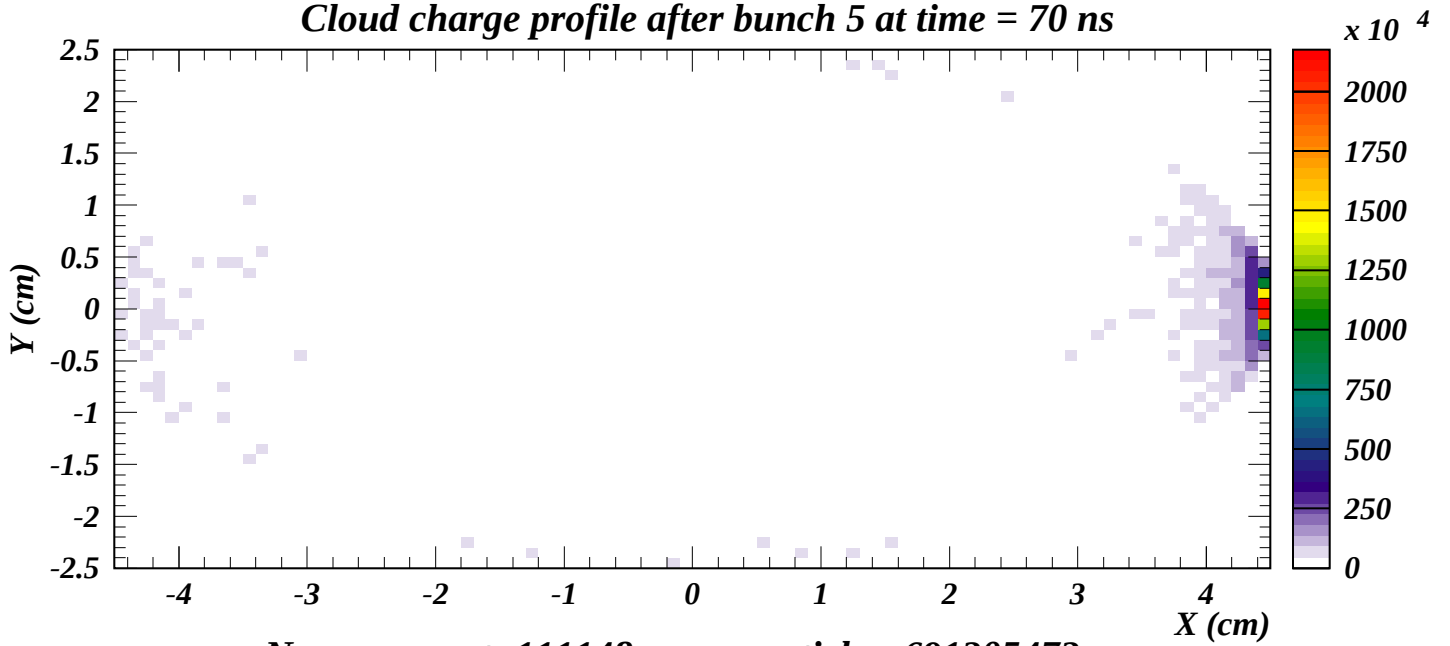
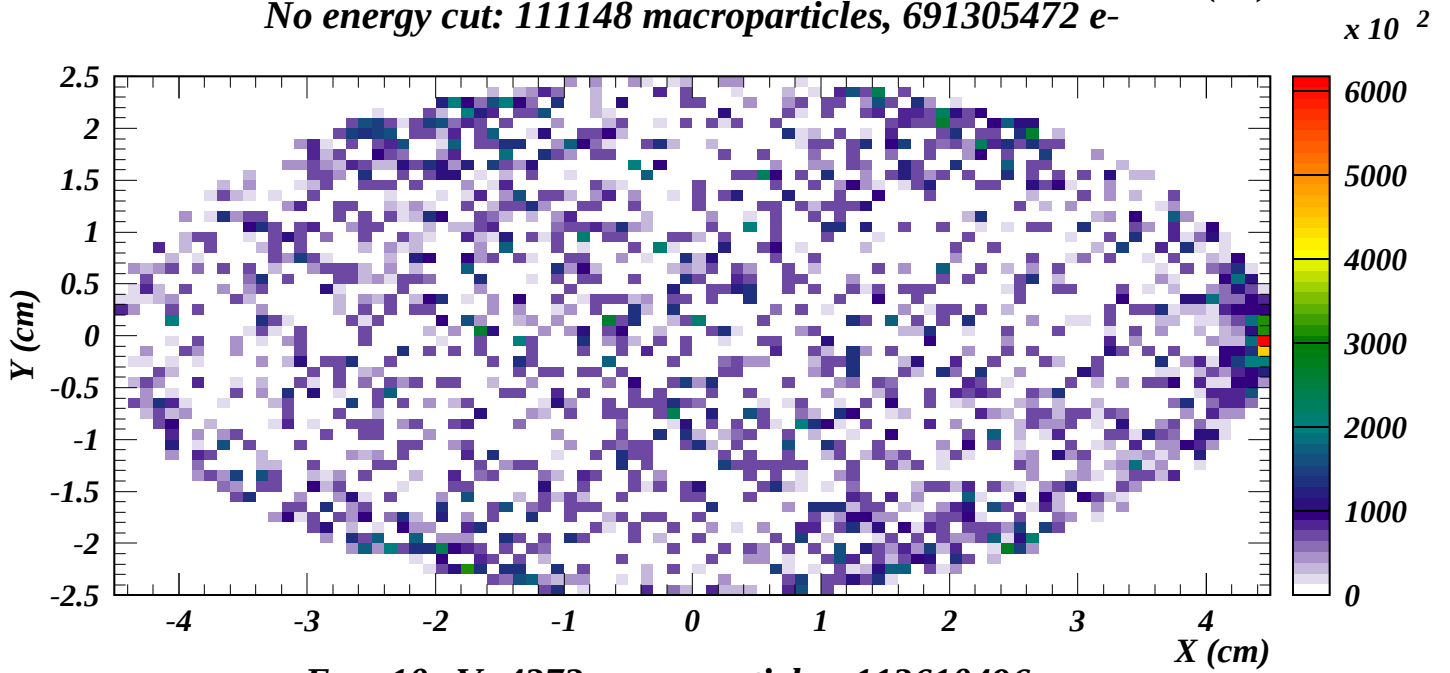


No energy cut: 70322 macroparticles, 525681024 e-



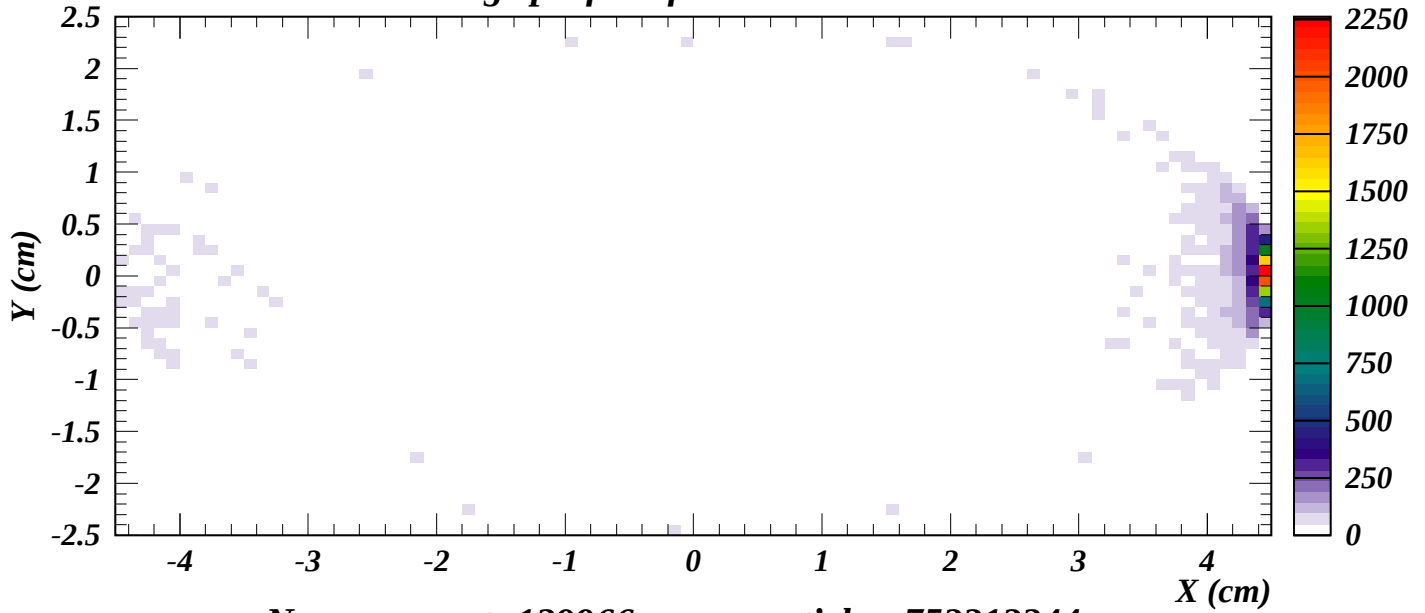
$E_{kin} > 10$ eV: 3015 macroparticles, 89415288 e-

Cloud charge profile after bunch 4 at time = 56 ns*No energy cut: 91229 macroparticles, 619767872 e-* *$E_{kin} > 10$ eV: 3760 macroparticles, 104152120 e-*

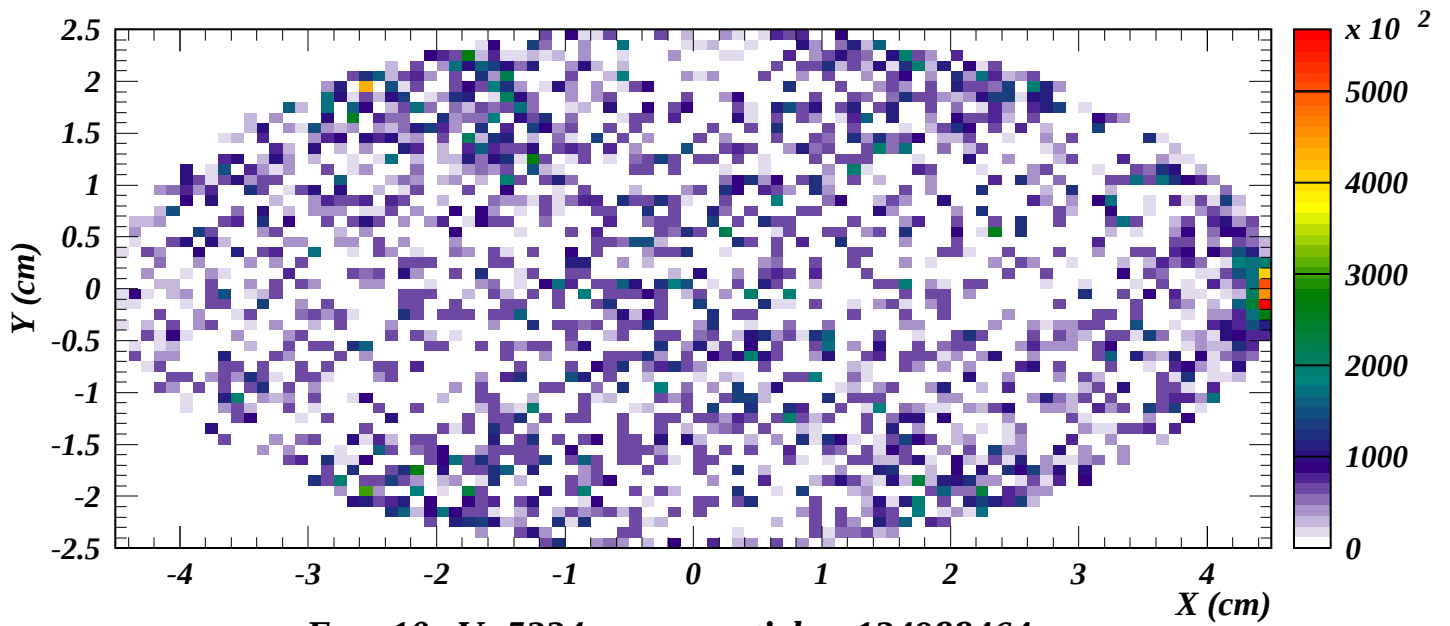
Cloud charge profile after bunch 5 at time = 70 ns*No energy cut: 111148 macroparticles, 691305472 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 4372 macroparticles, 113610496 e-*

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 $\times 10^4$

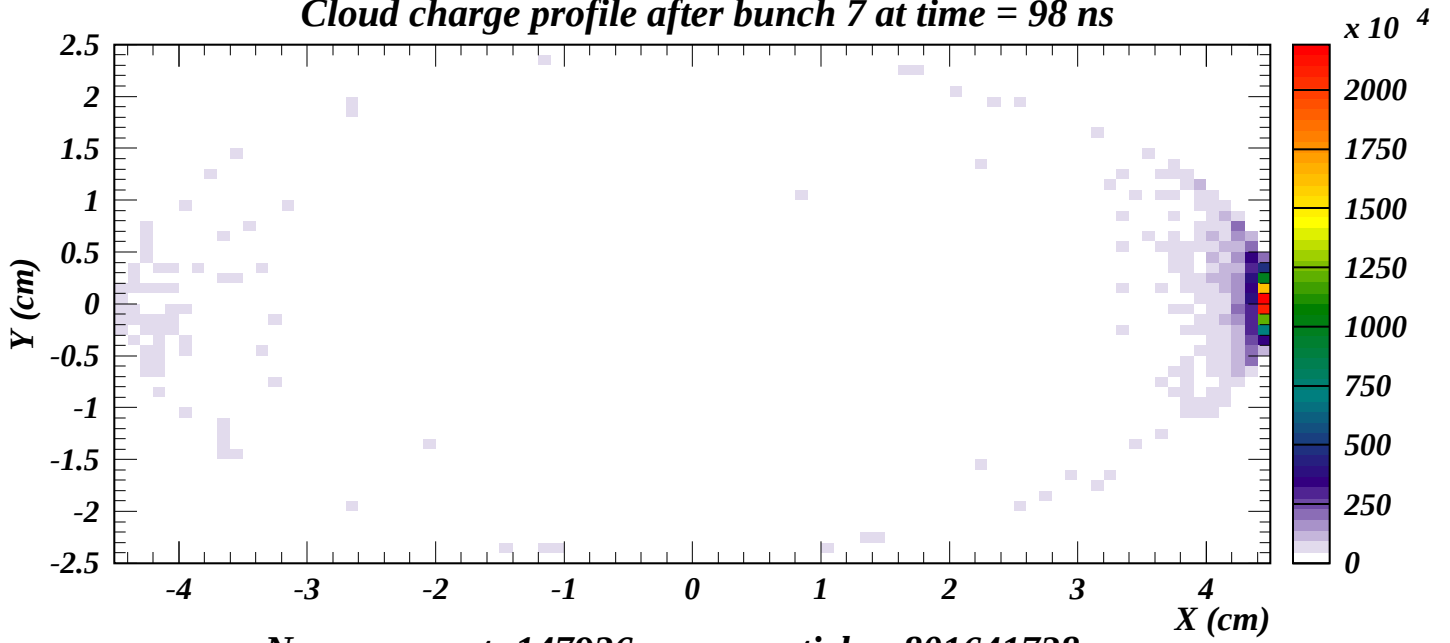
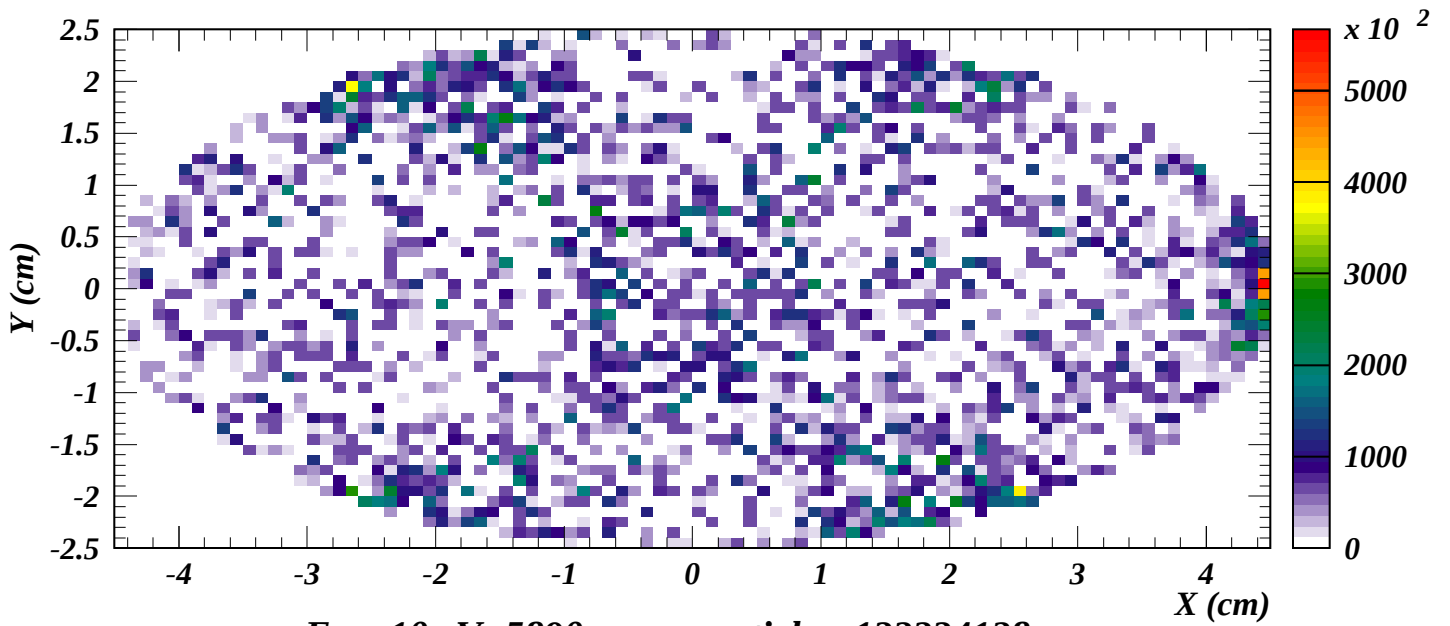
Cloud charge profile after bunch 6 at time = 84 ns

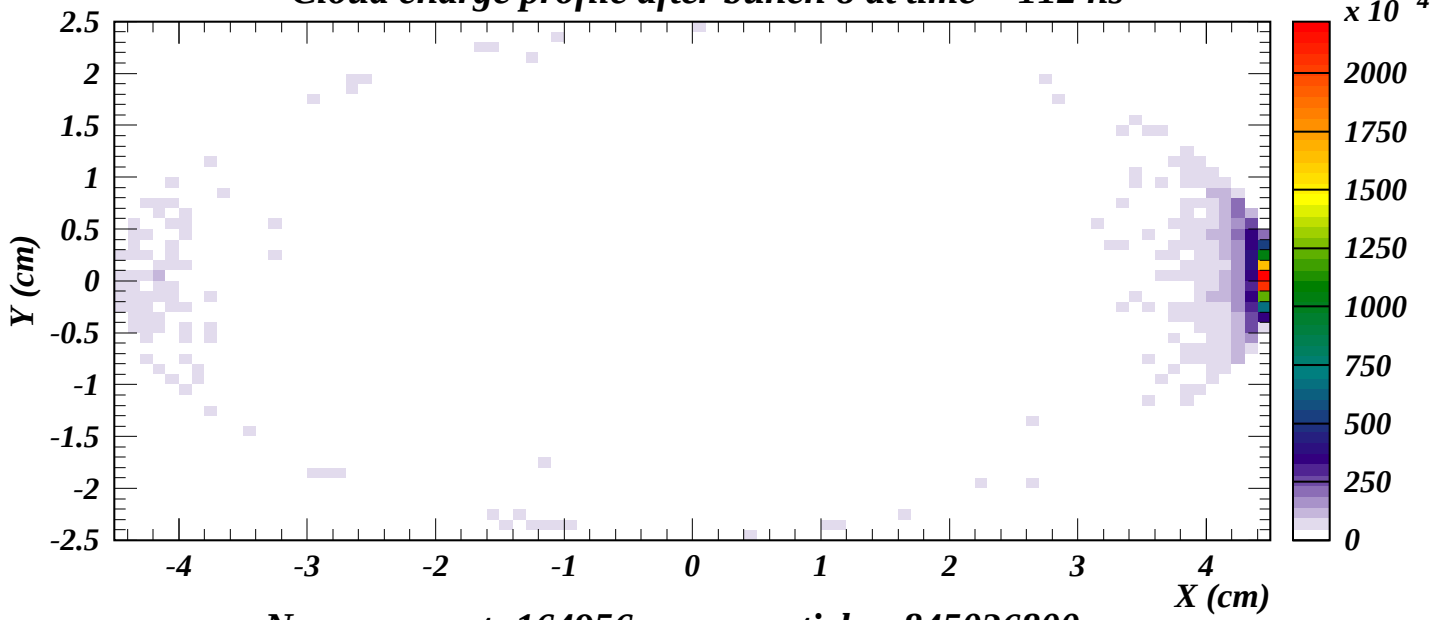
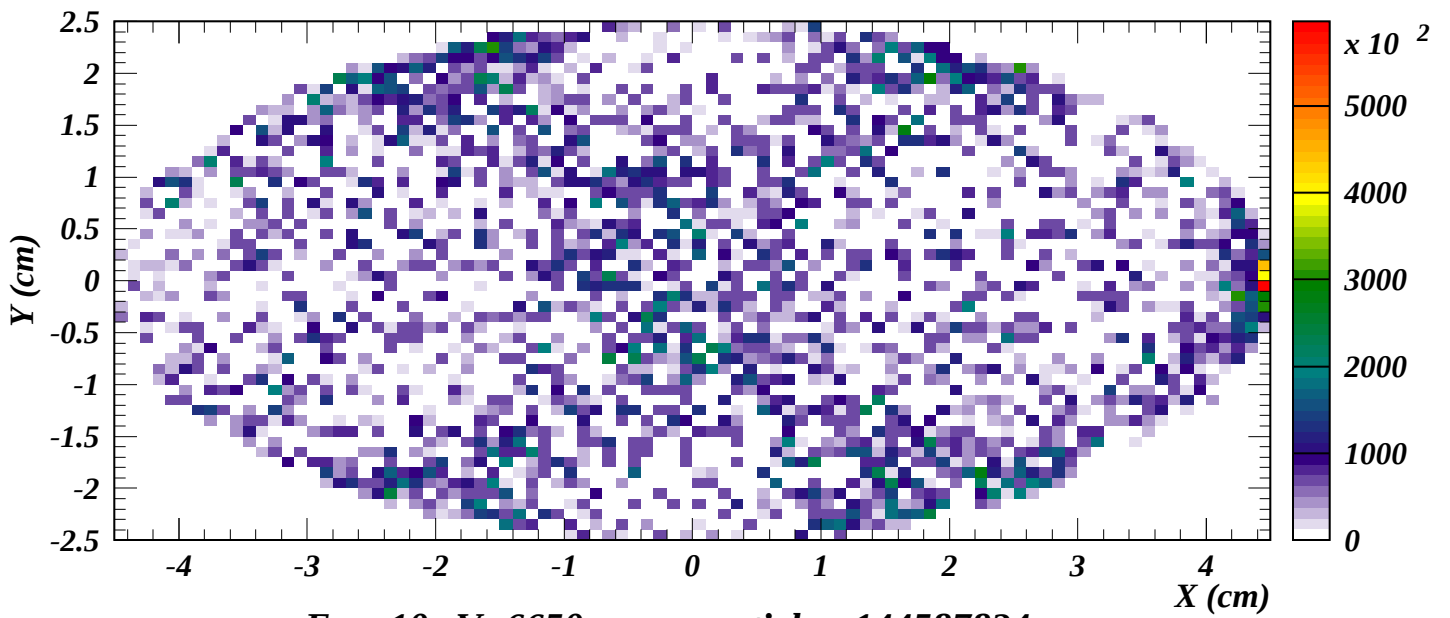


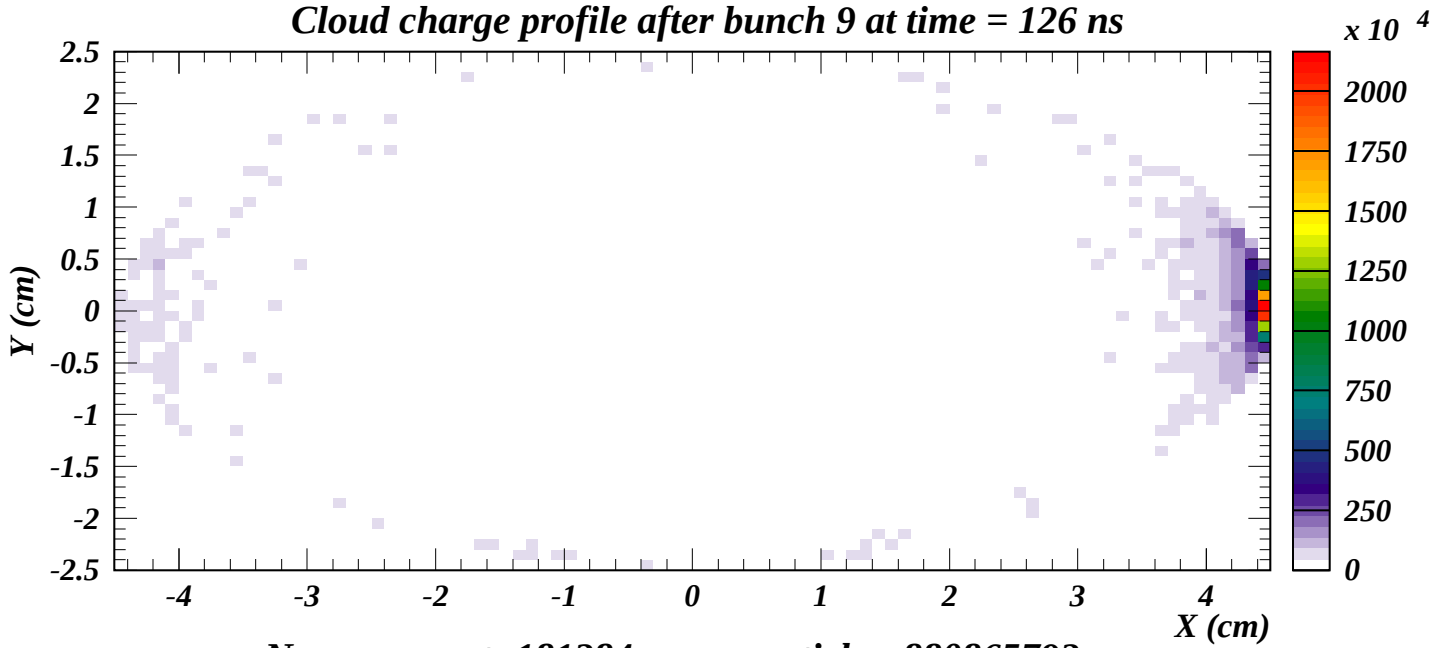
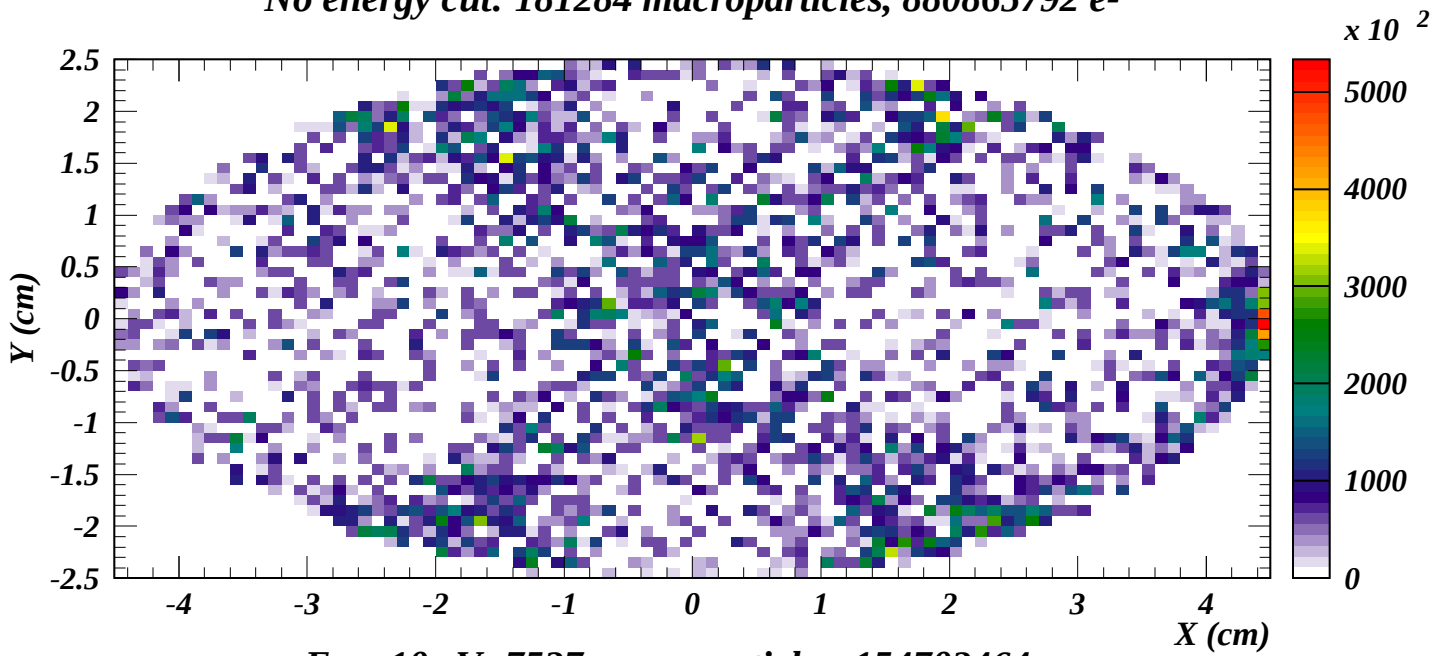
No energy cut: 129966 macroparticles, 753313344 e-

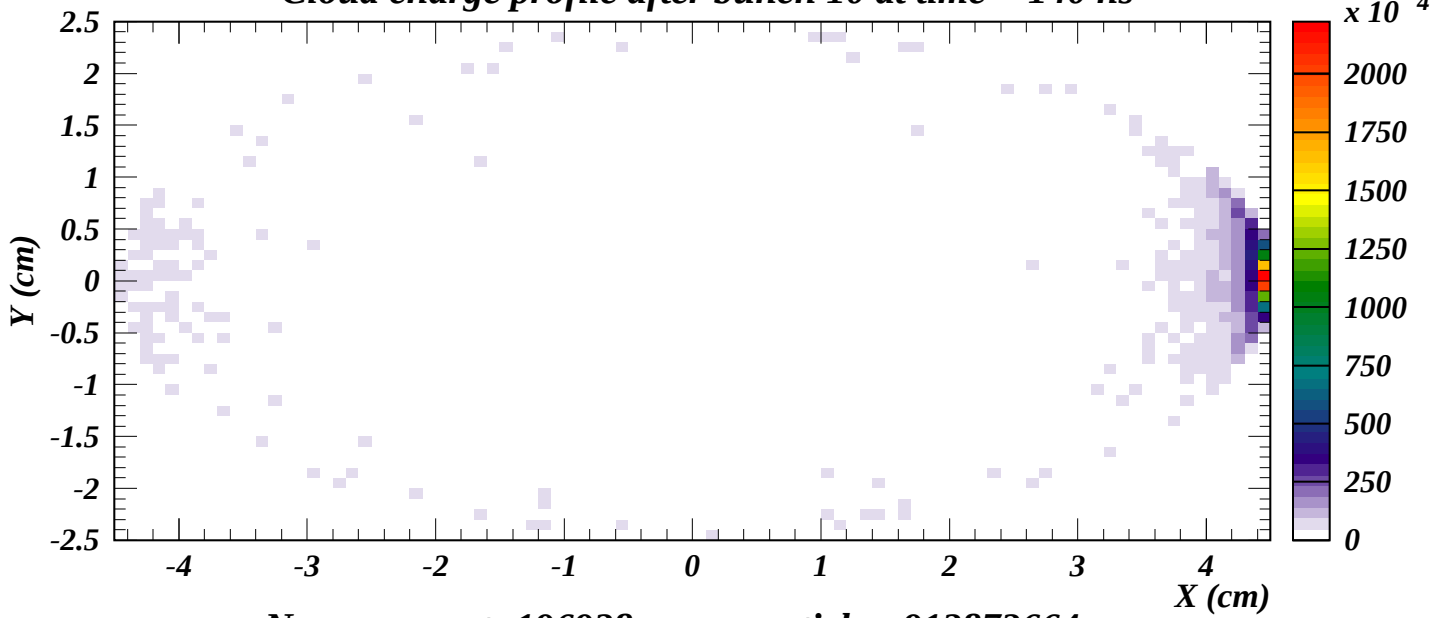
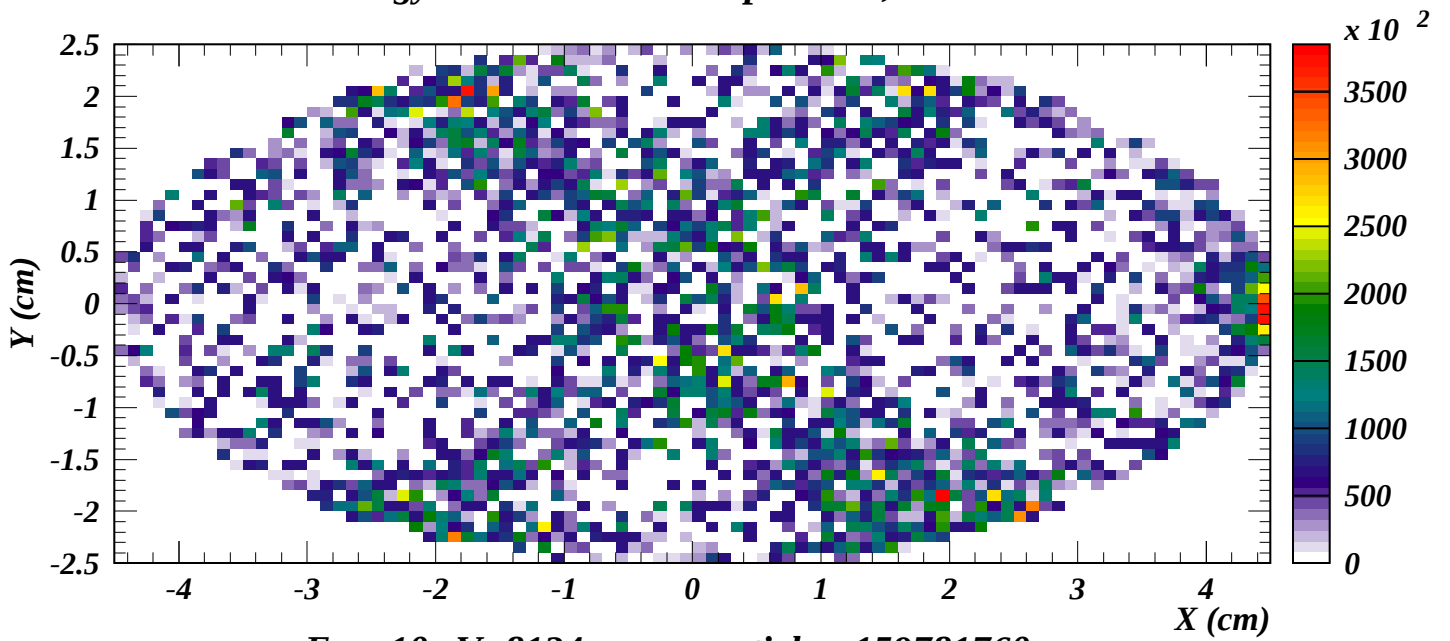


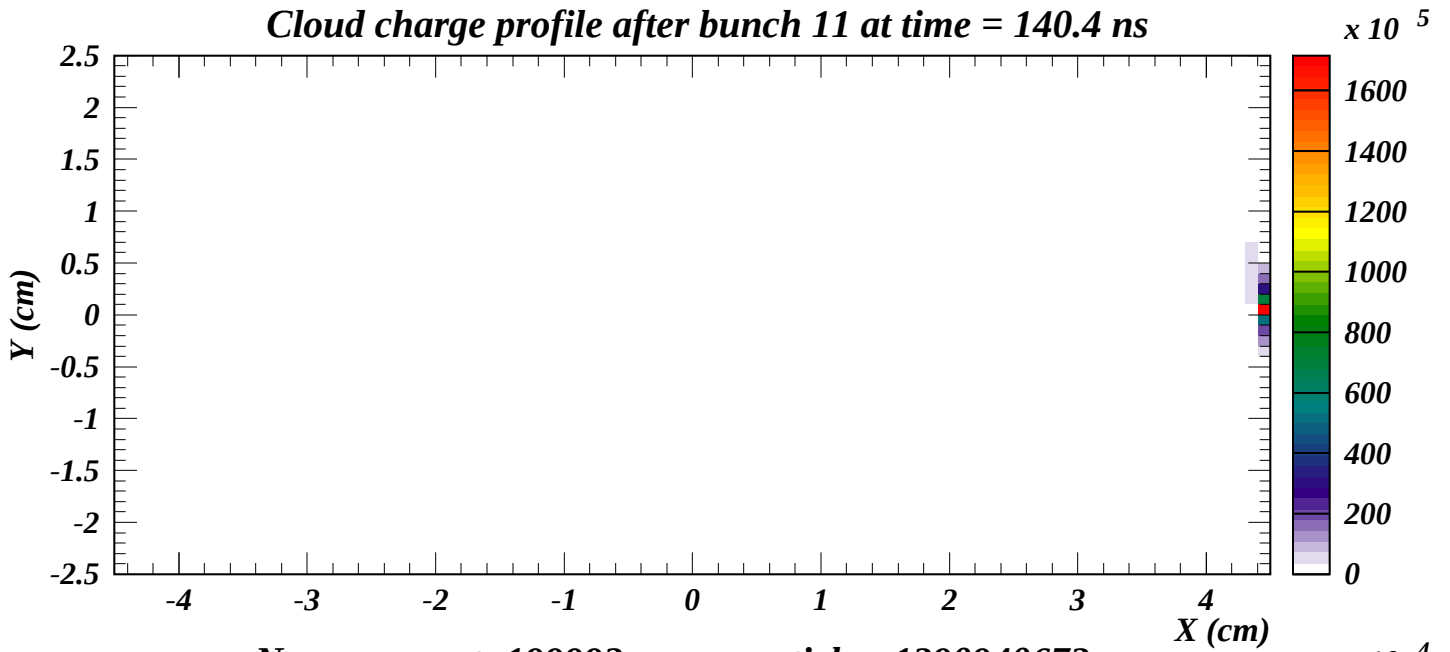
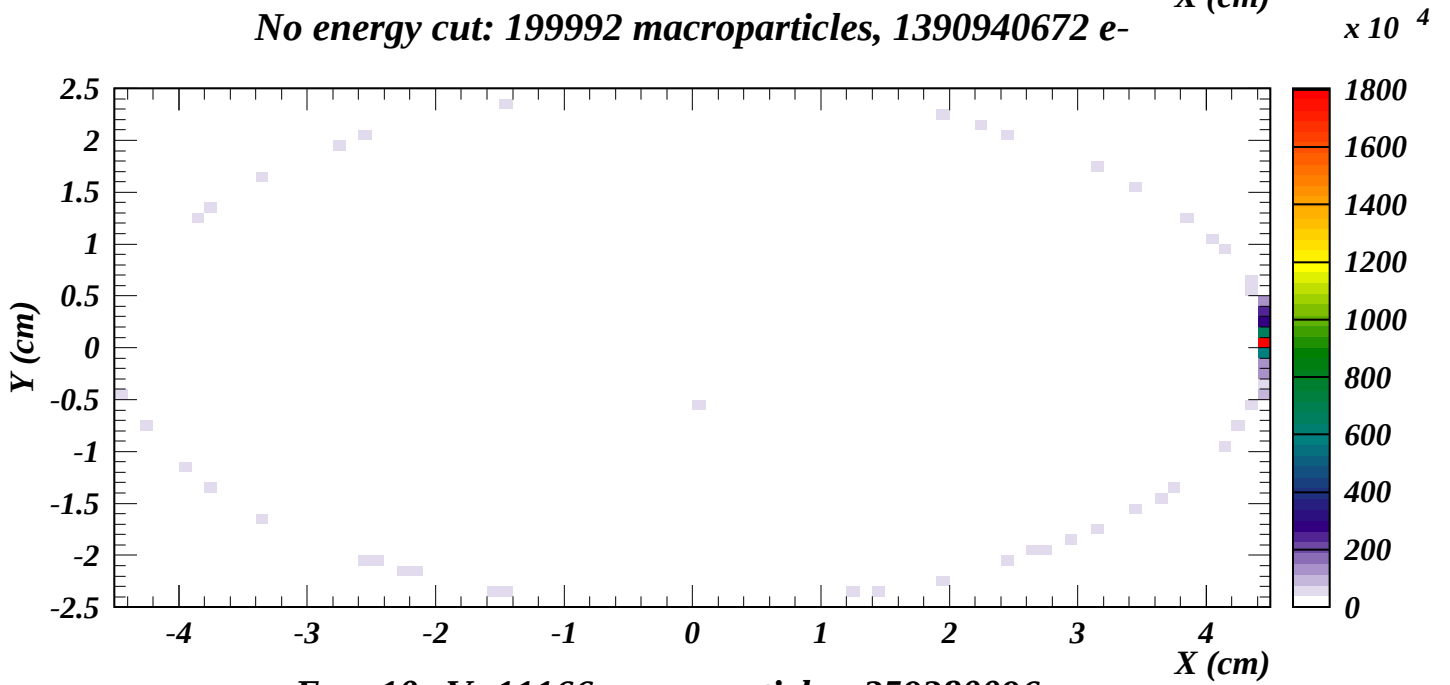
$E_{kin} > 10$ eV: 5234 macroparticles, 124988464 e-

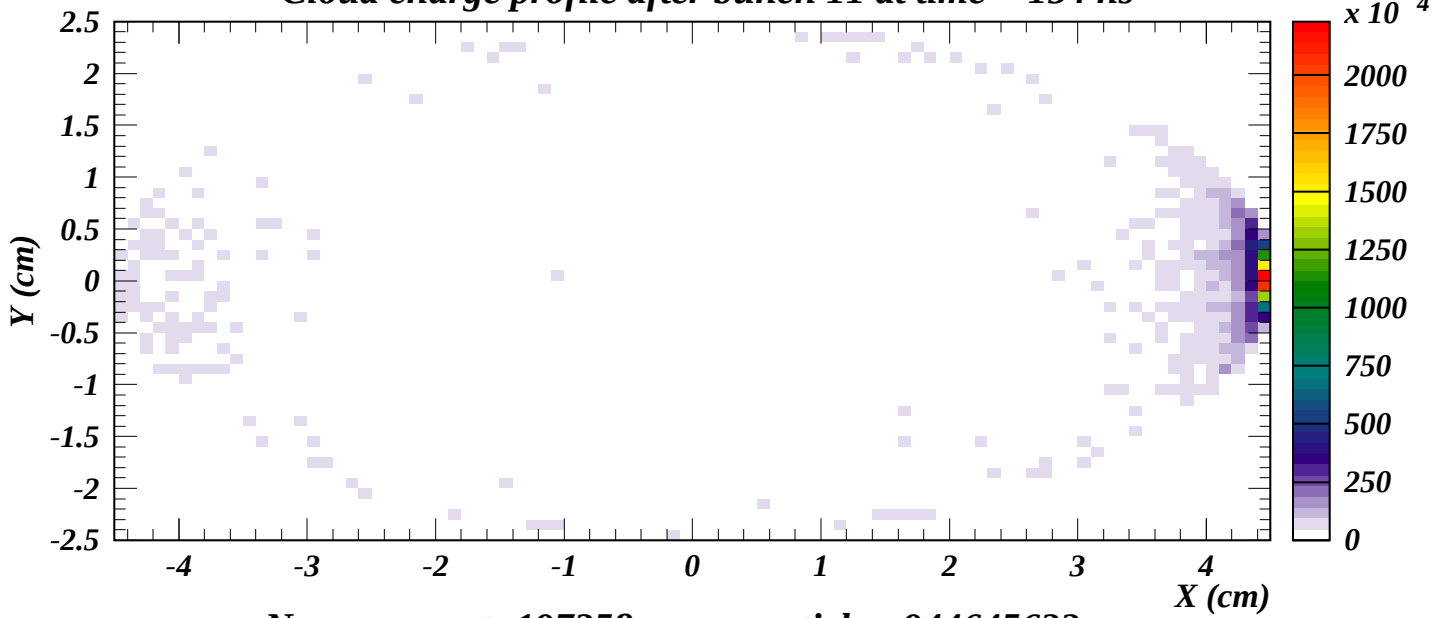
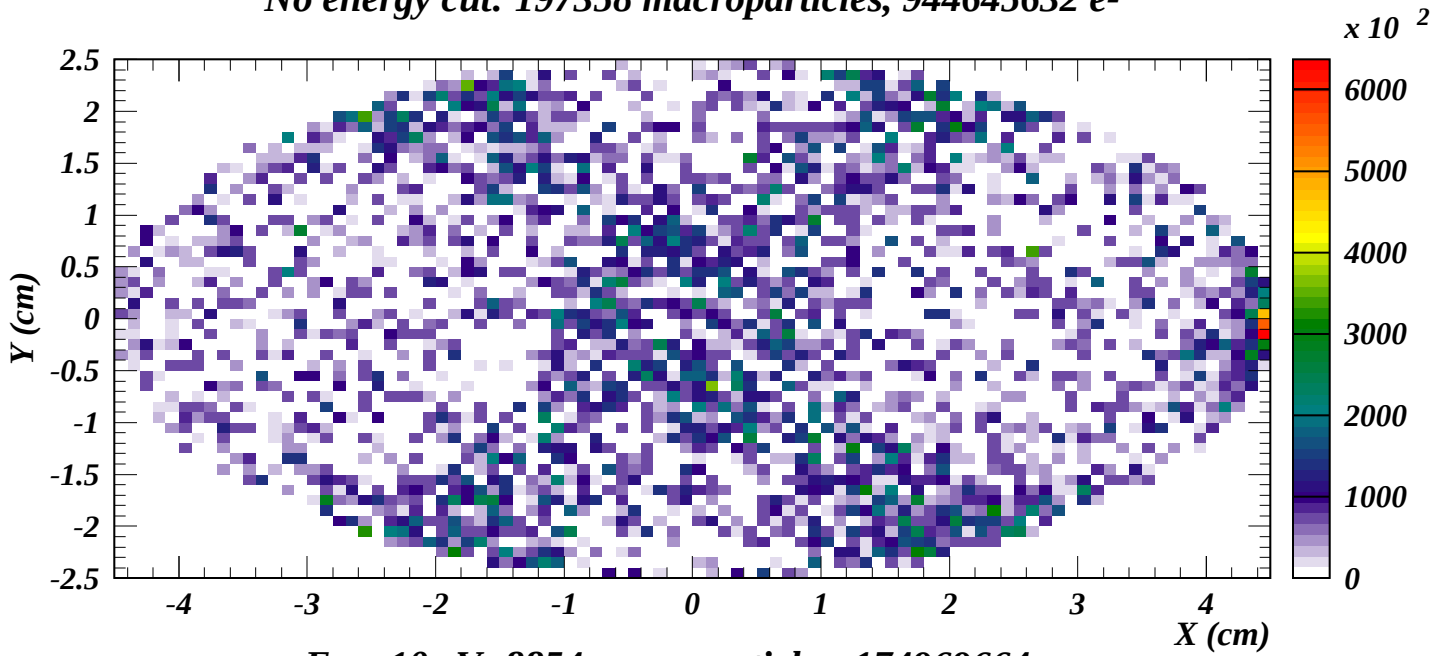
Cloud charge profile after bunch 7 at time = 98 ns*No energy cut: 147926 macroparticles, 801641728 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 5890 macroparticles, 132234128 e-*

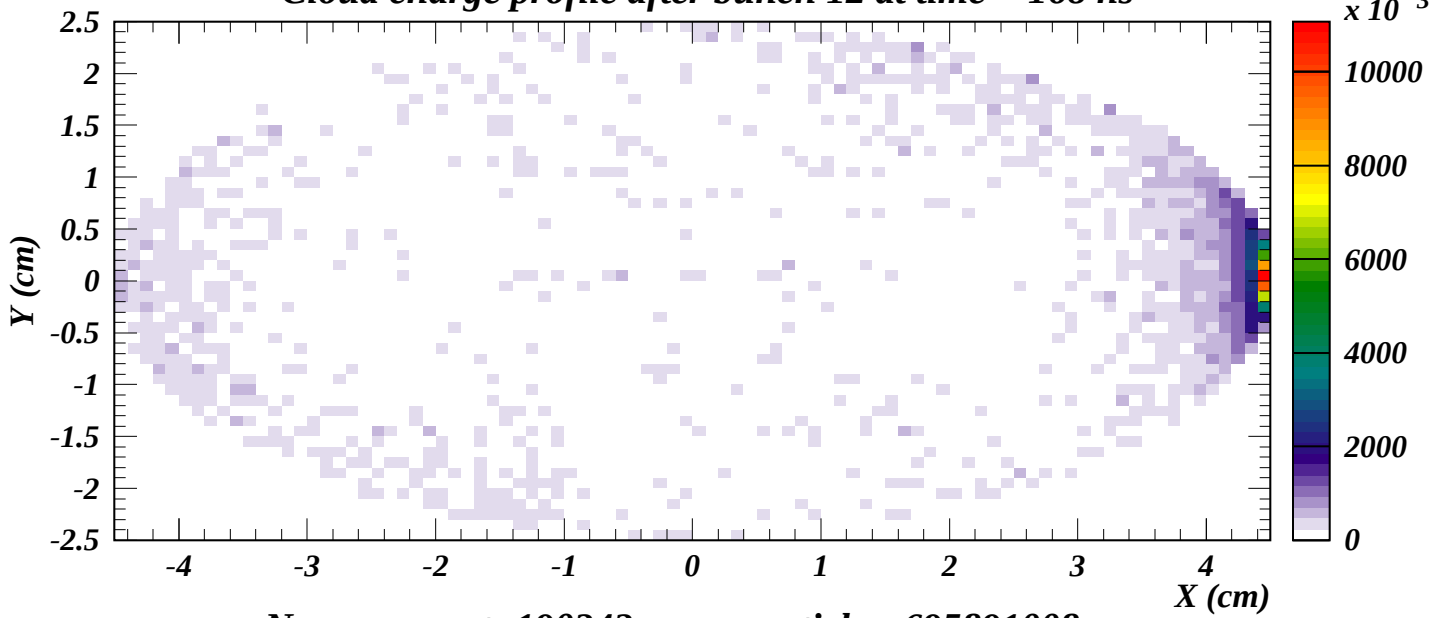
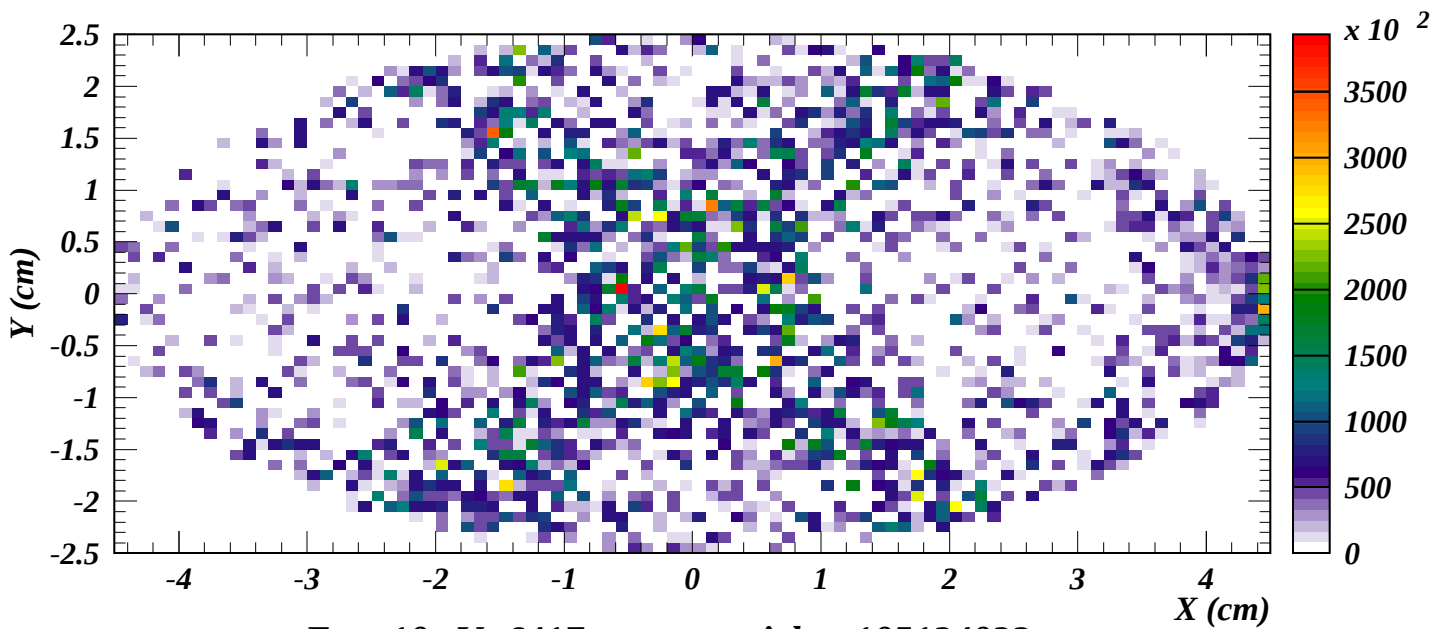
Cloud charge profile after bunch 8 at time = 112 ns*No energy cut: 164956 macroparticles, 845036800 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 6650 macroparticles, 144587824 e-*

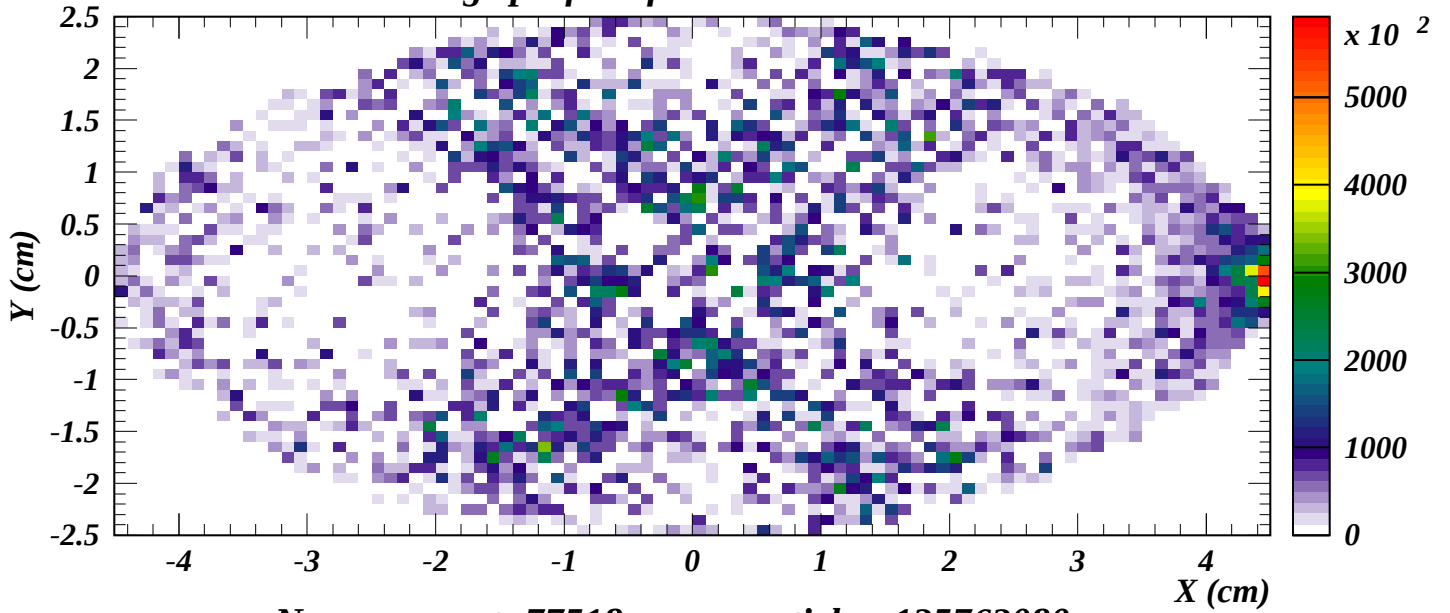
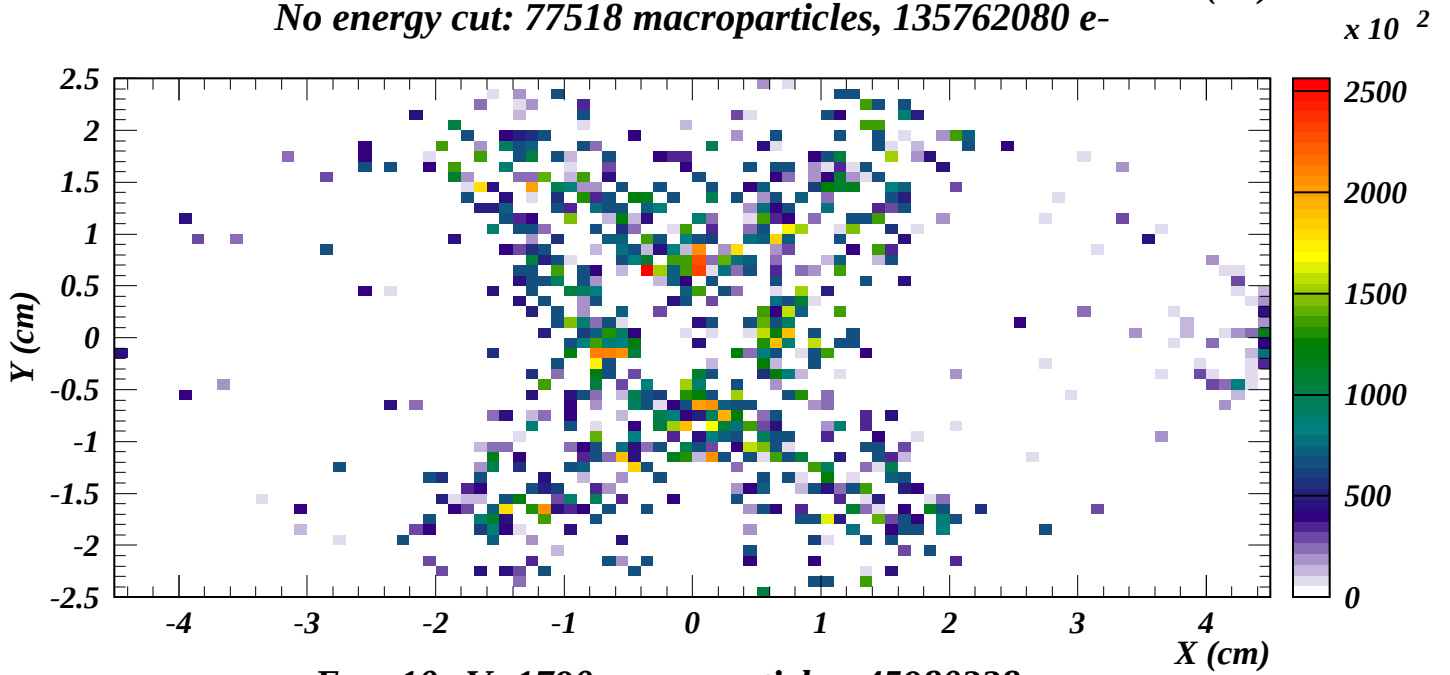
Cloud charge profile after bunch 9 at time = 126 ns*No energy cut: 181284 macroparticles, 880865792 e-* *$E_{\text{kin}} > 10$ eV: 7527 macroparticles, 154702464 e-*

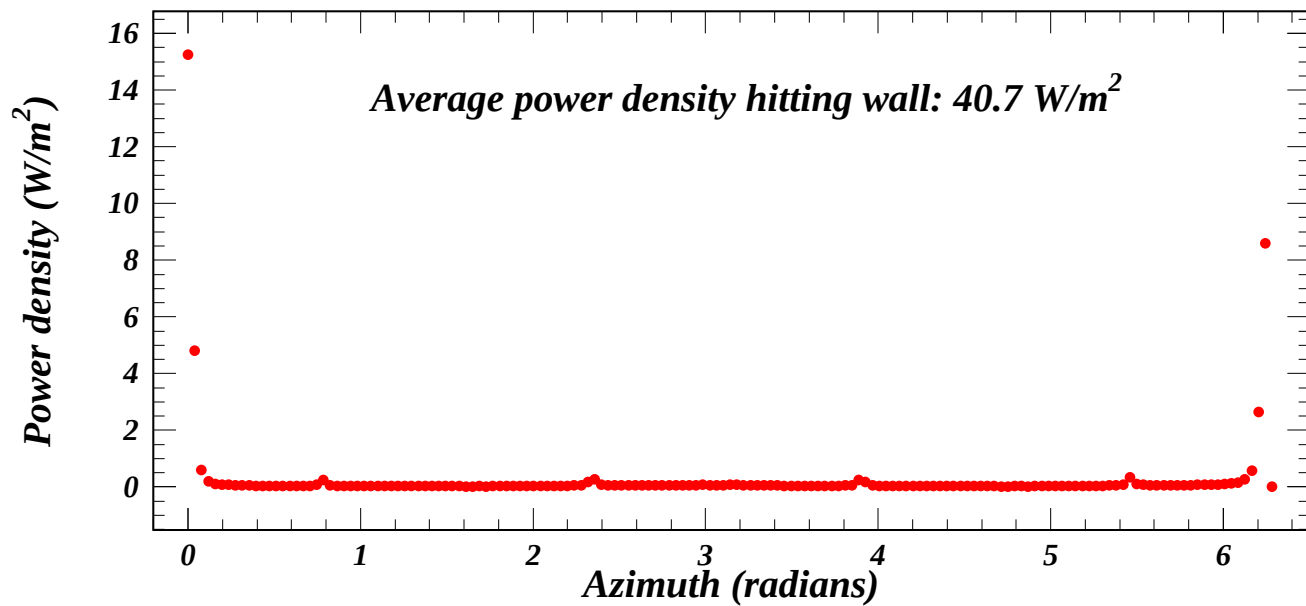
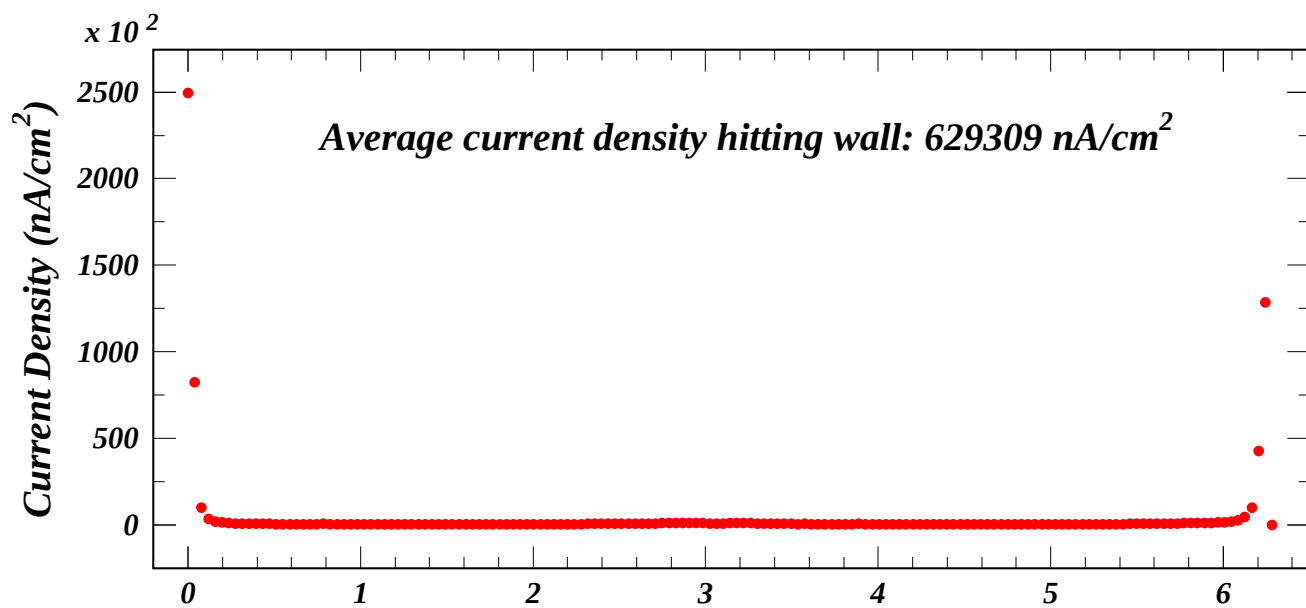
Cloud charge profile after bunch 10 at time = 140 ns*No energy cut: 196928 macroparticles, 912873664 e-* *$E_{\text{kin}} > 10$ eV: 8134 macroparticles, 159781760 e-*

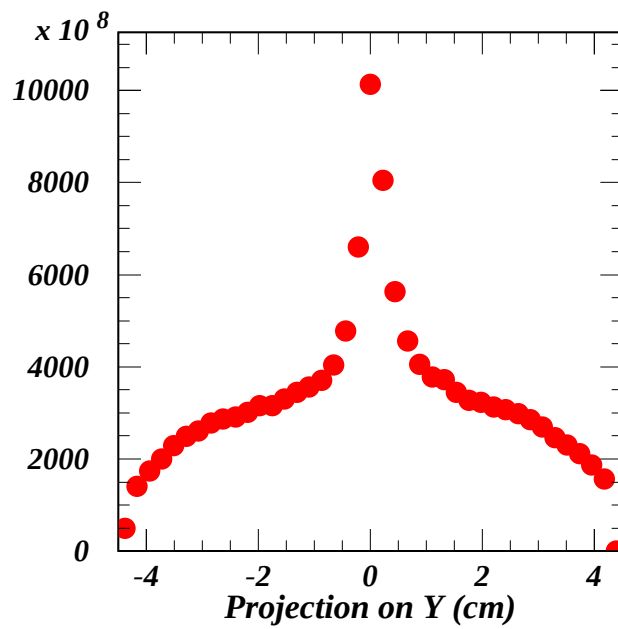
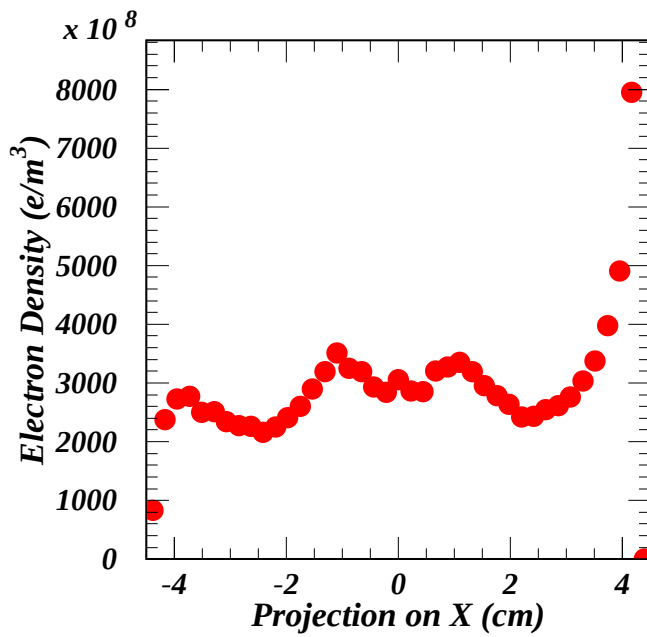
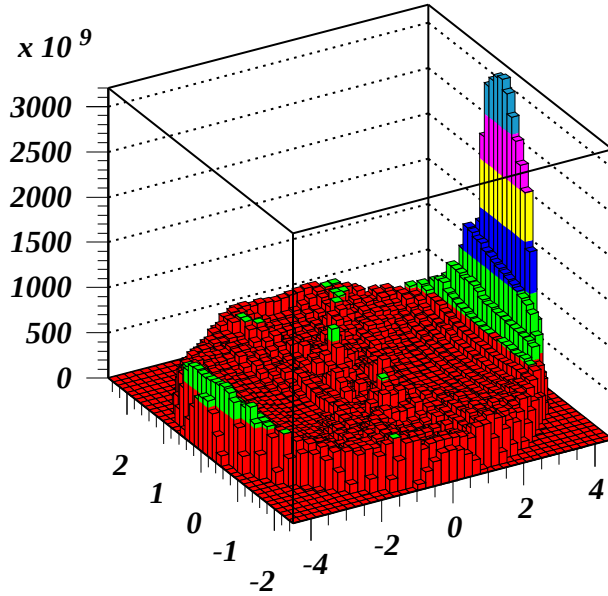
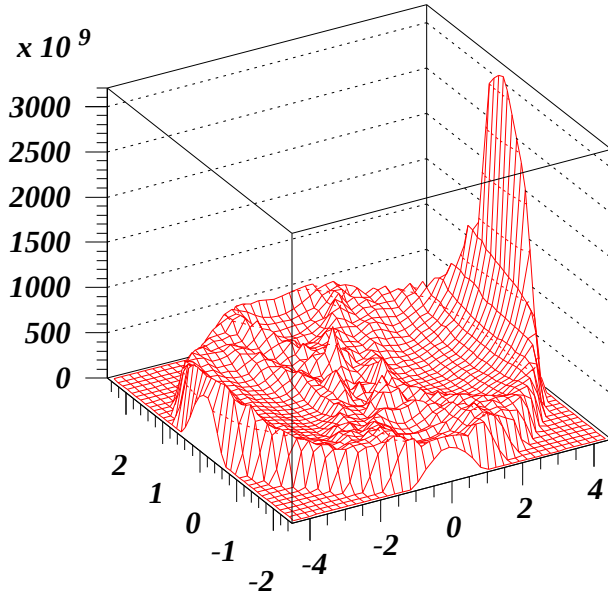
Cloud charge profile after bunch 11 at time = 140.4 ns*No energy cut: 199992 macroparticles, 1390940672 e $^-$*  *$E_{kin} > 10$ eV: 11166 macroparticles, 259380096 e $^-$*

Cloud charge profile after bunch 11 at time = 154 ns*No energy cut: 197358 macroparticles, 944645632 e-* *$E_{kin} > 10$ eV: 8854 macroparticles, 174969664 e-*

Cloud charge profile after bunch 12 at time = 168 ns*No energy cut: 190342 macroparticles, 695891008 e-* *$E_{\text{kin}} > 10$ eV: 6417 macroparticles, 105124032 e-*

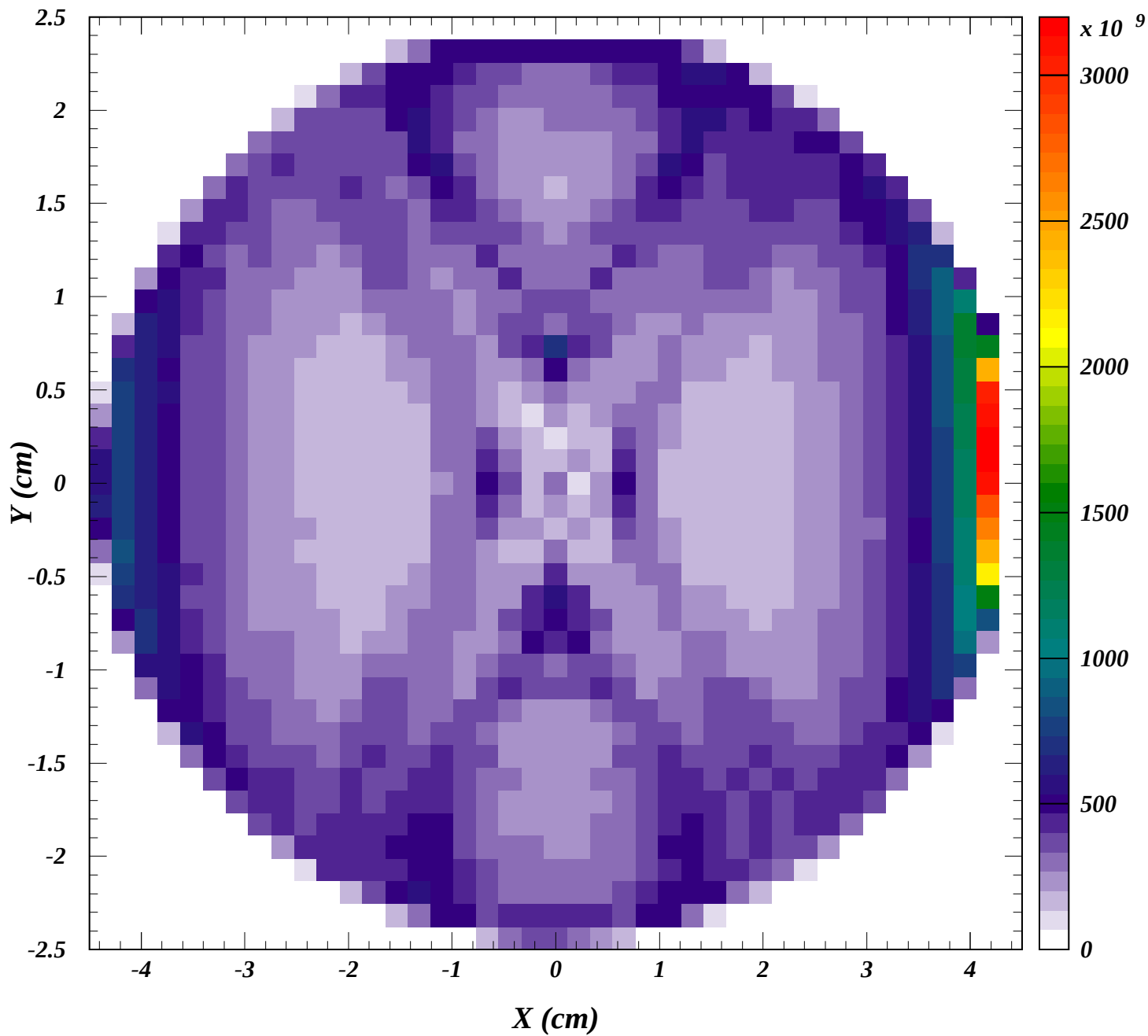
Cloud charge profile after bunch 46 at time = 630 ns*No energy cut: 77518 macroparticles, 135762080 e-* *$E_{kin} > 10$ eV: 1790 macroparticles, 45980328 e-*



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

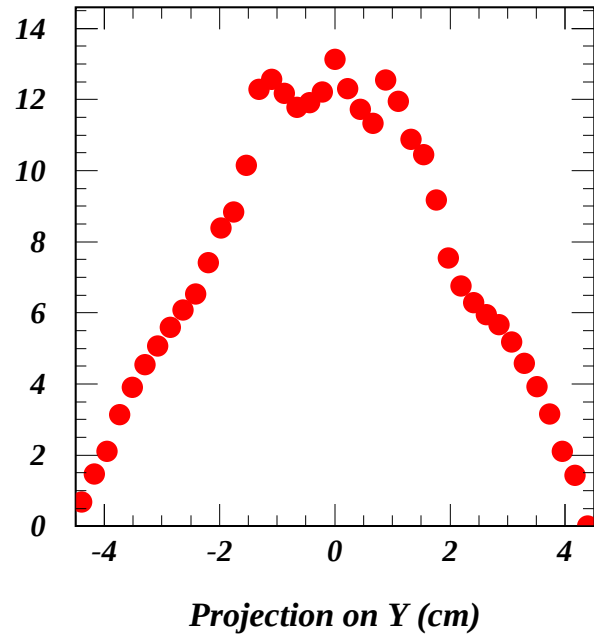
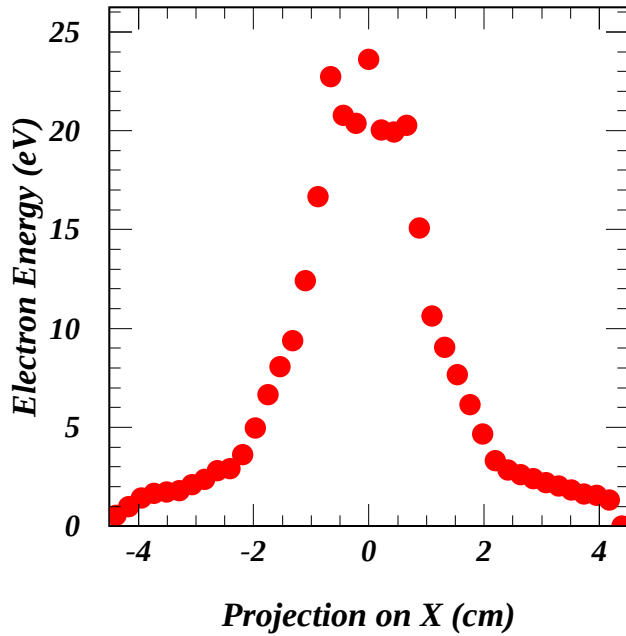
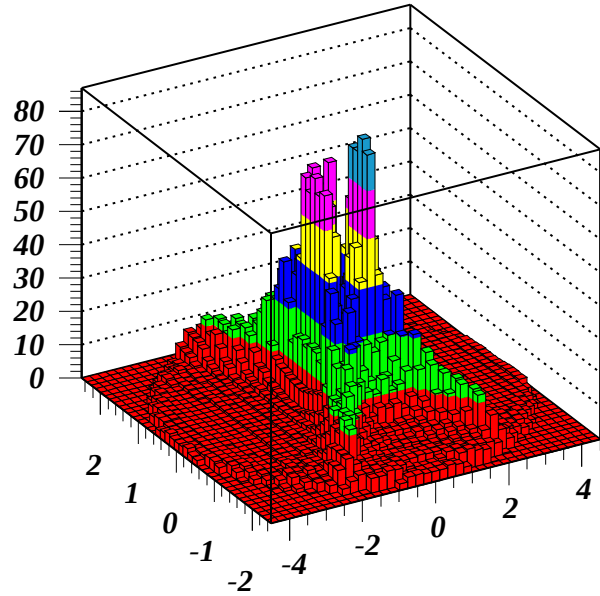
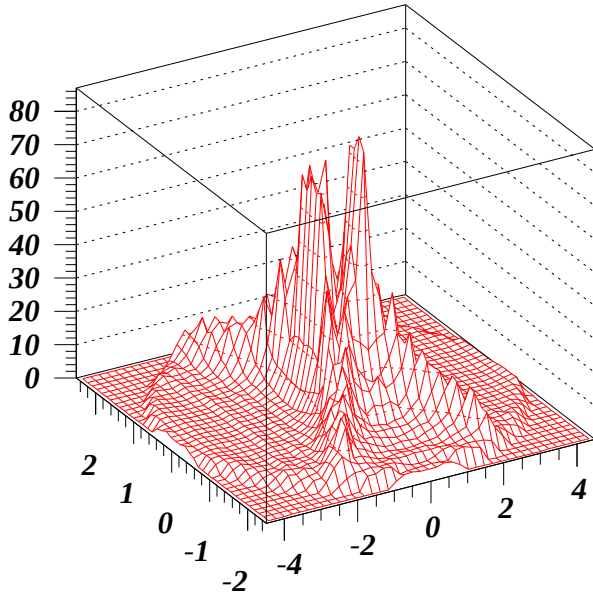
09/12/07 11.50

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



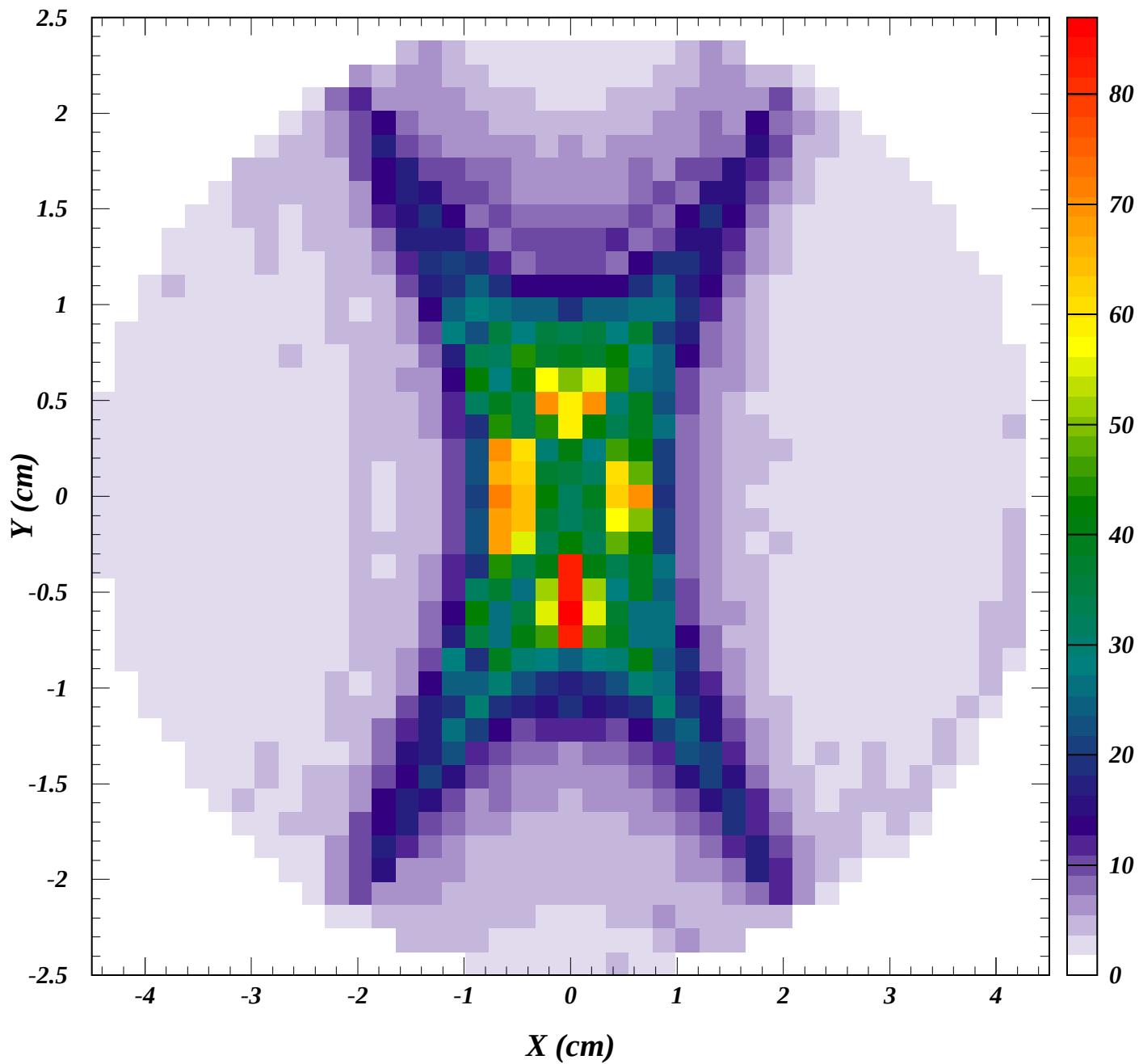
09/12/07 11.50

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



09/12/07 11.50

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



Jobs 14293 to 14293: RFA Collector Currents (nA)