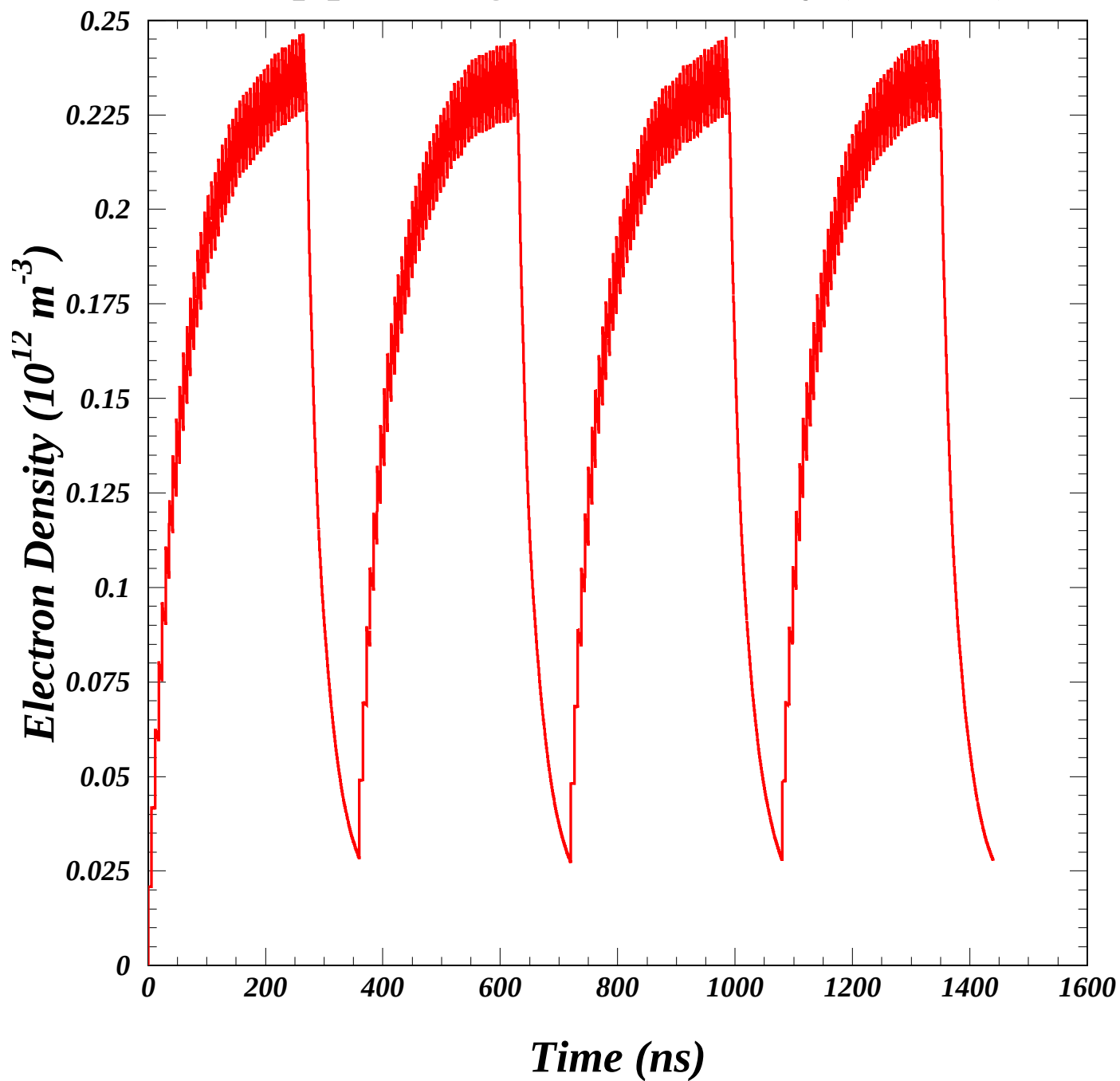
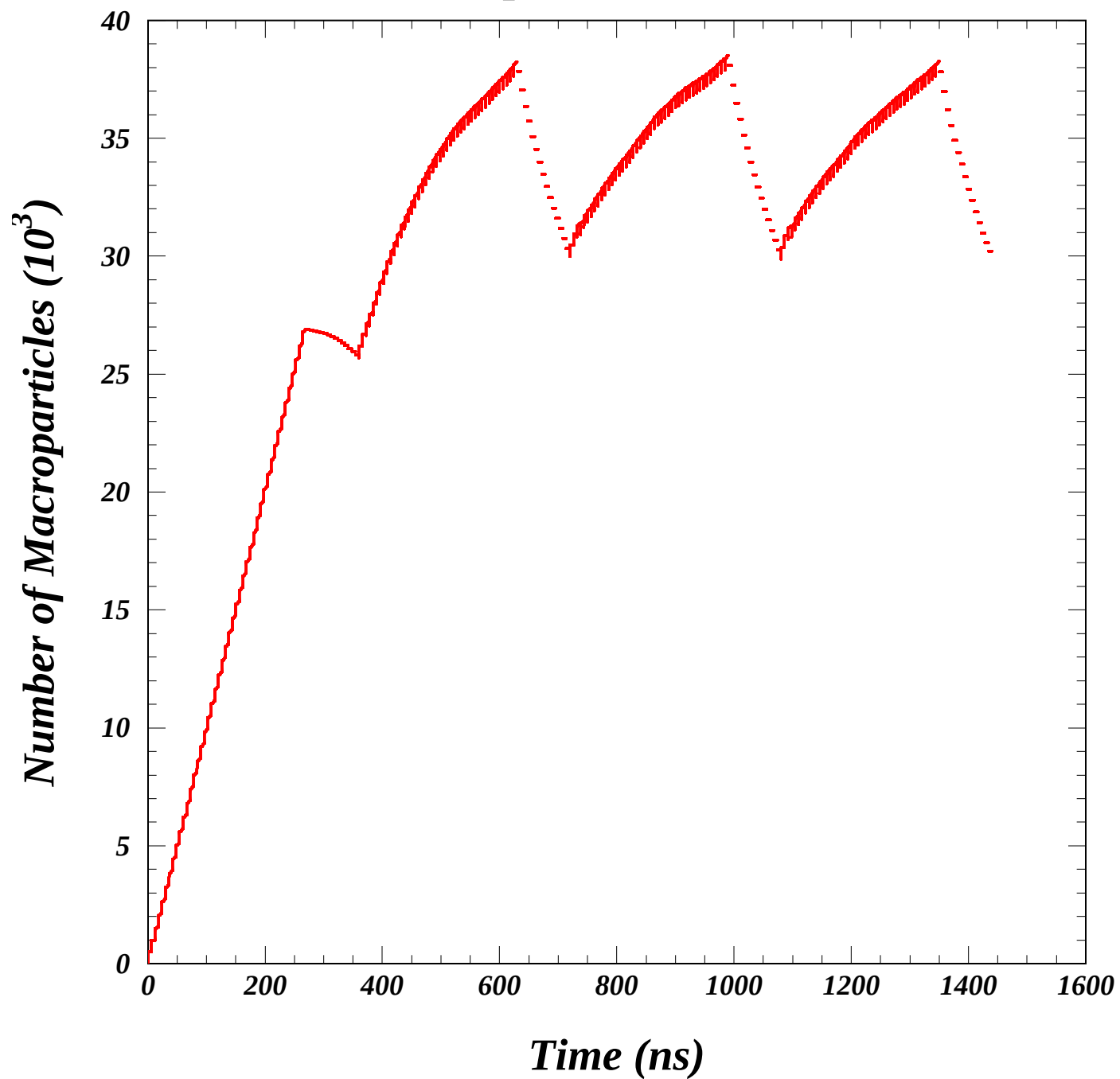
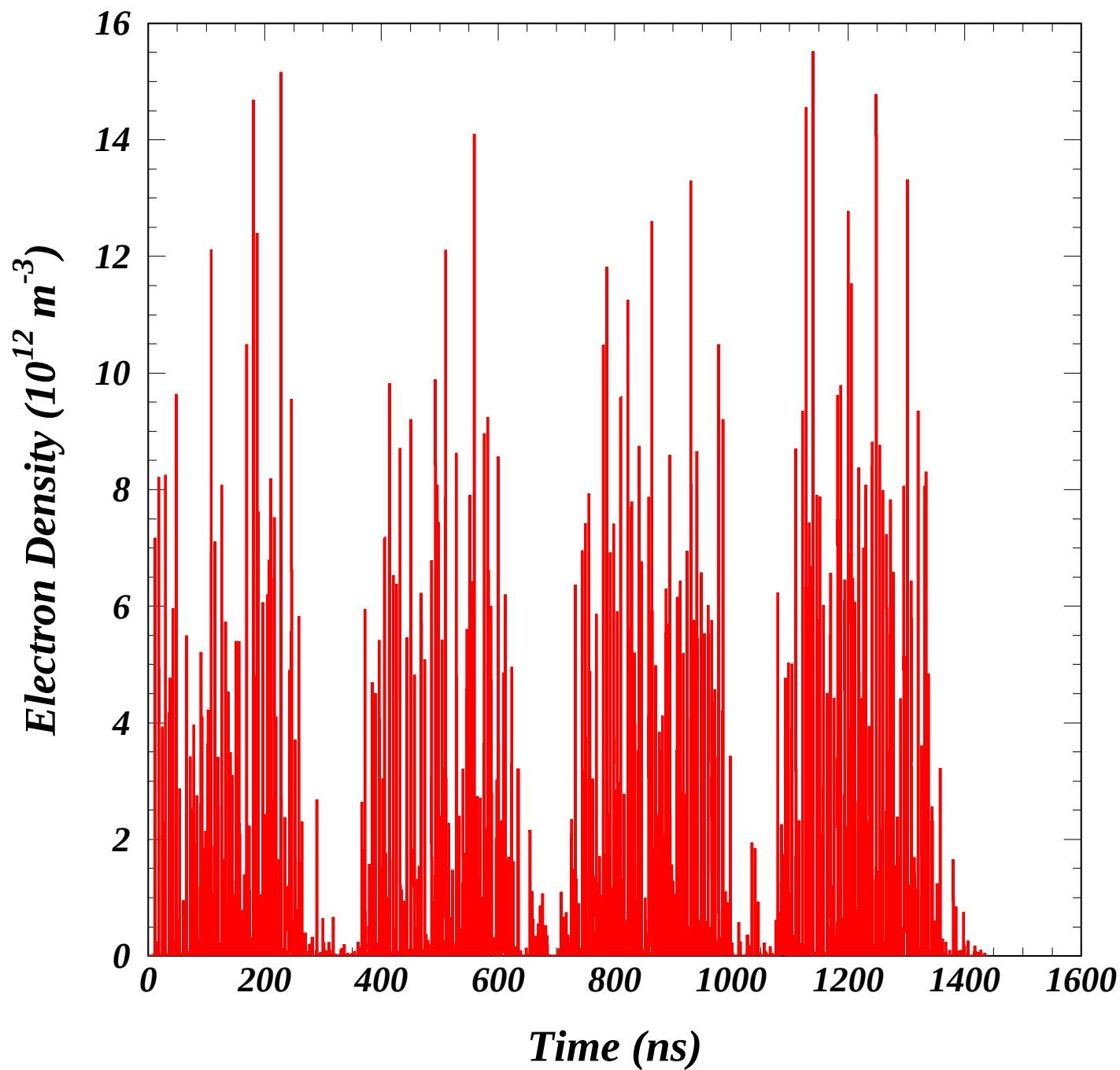


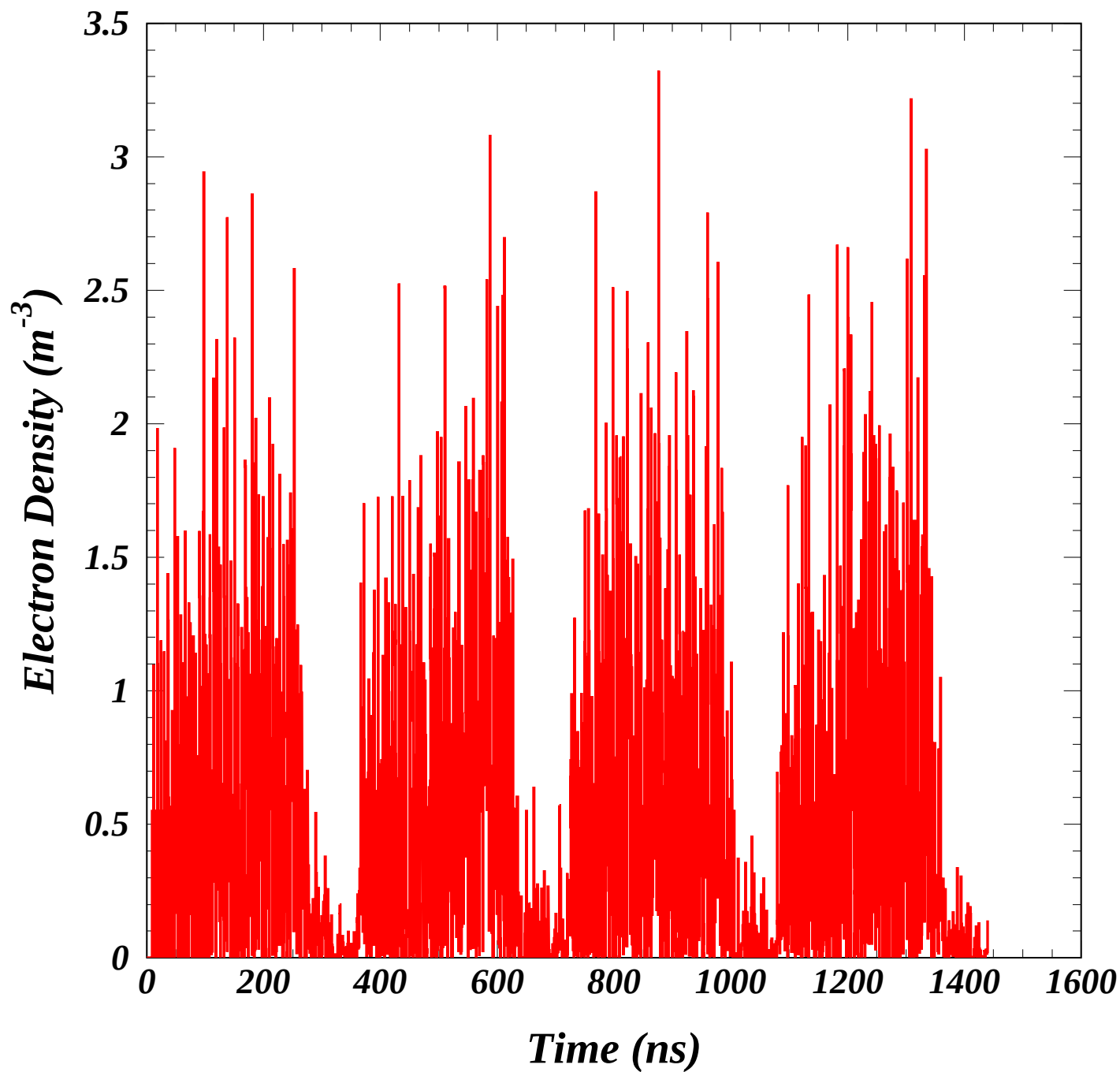
Beampipe-averaged Cloud Density (10^{12} m^{-3}) 10/02/04 11.48



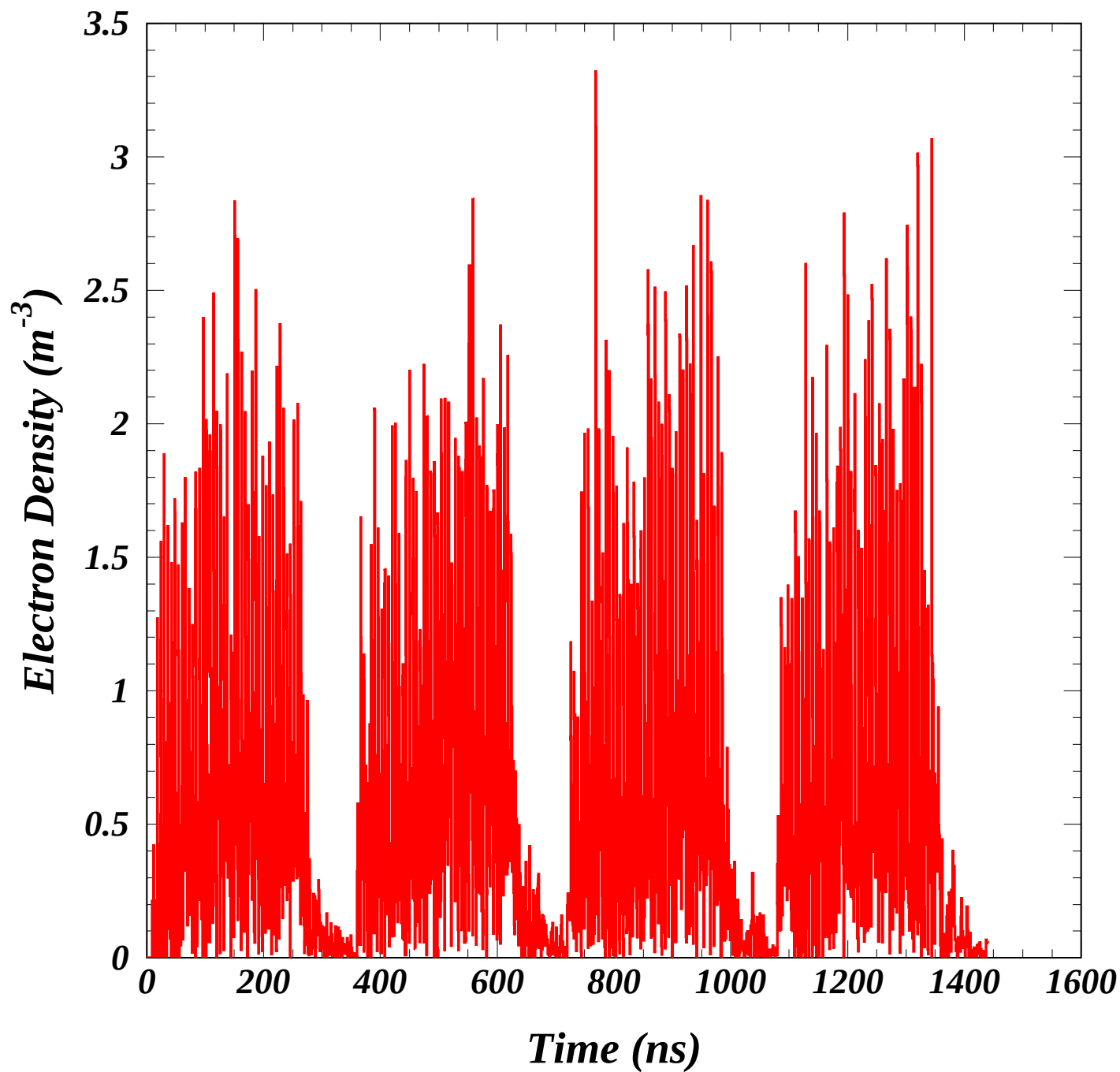
Macroparticle Statistics



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

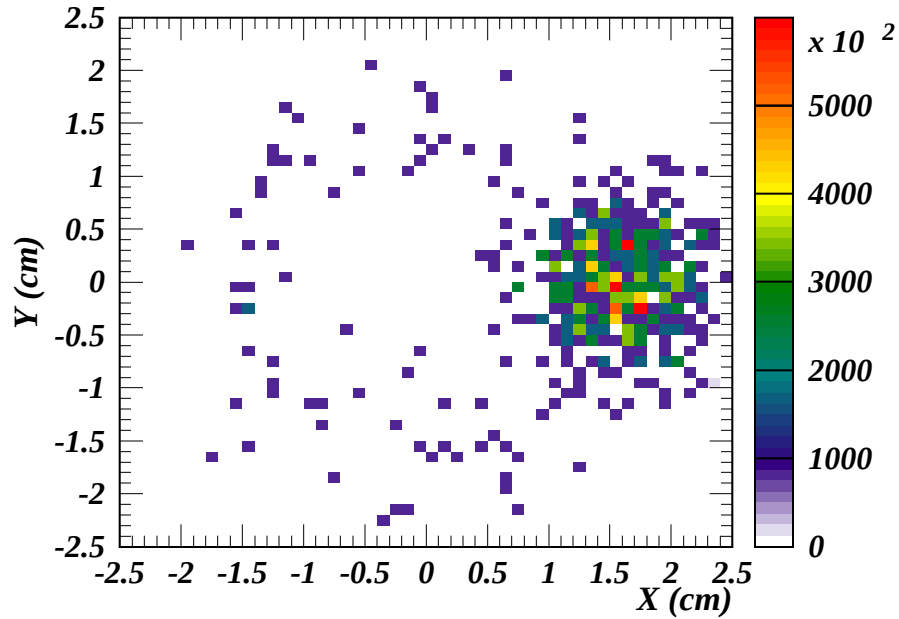
5-Sigma Cloud Density at Center of Pipe (10^{12} m^{-3})

ECLOUD-DR20100203_pos_dri_nored: Cloud Density in Central Grid Cell (10^{12} m^{-3})

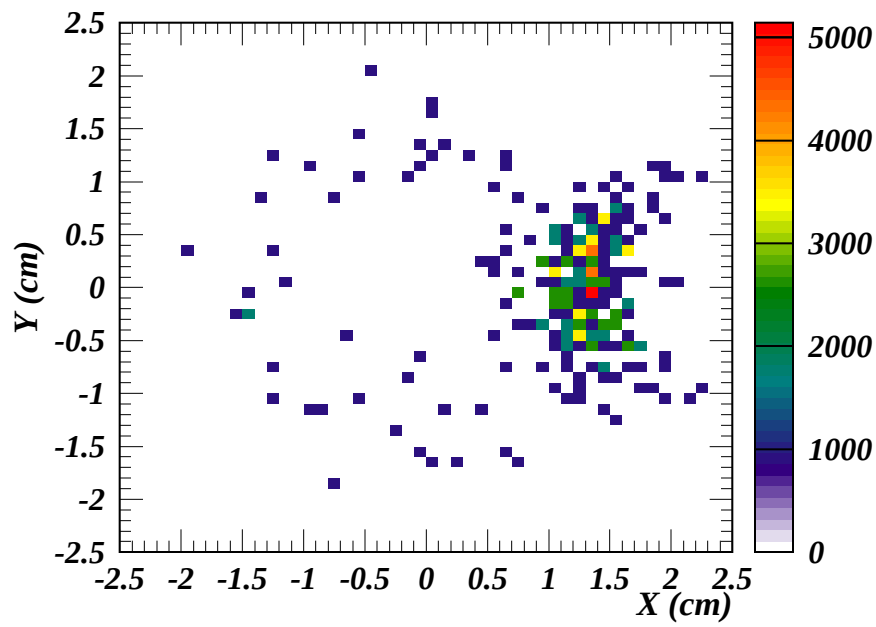


10/02/04 11.49

Cloud charge profile after bunch 1 at time = 6 ns

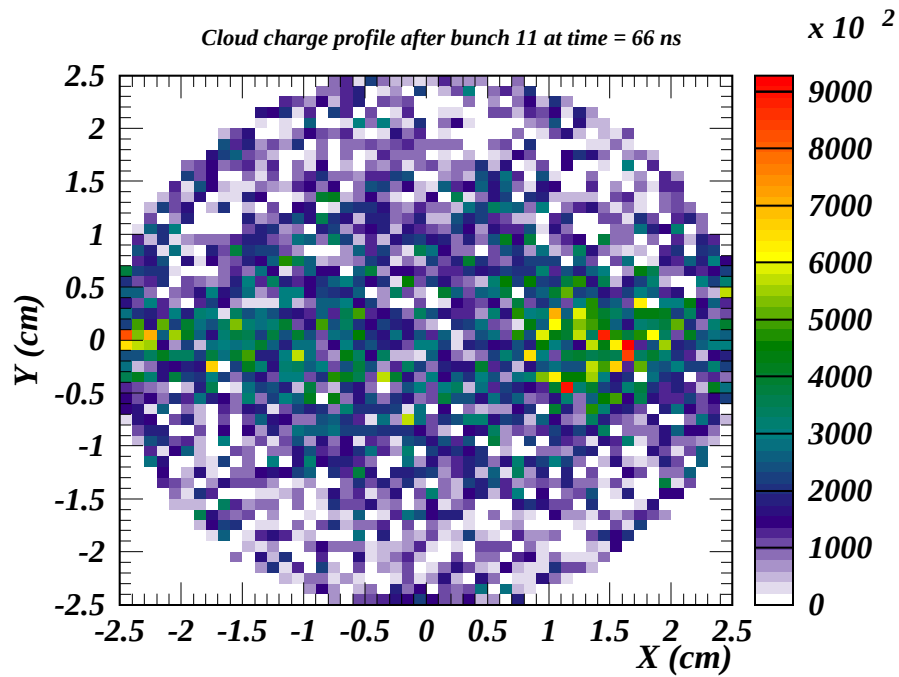


No energy cut: 494 macroparticles, 42264756 e- $\times 10^2$

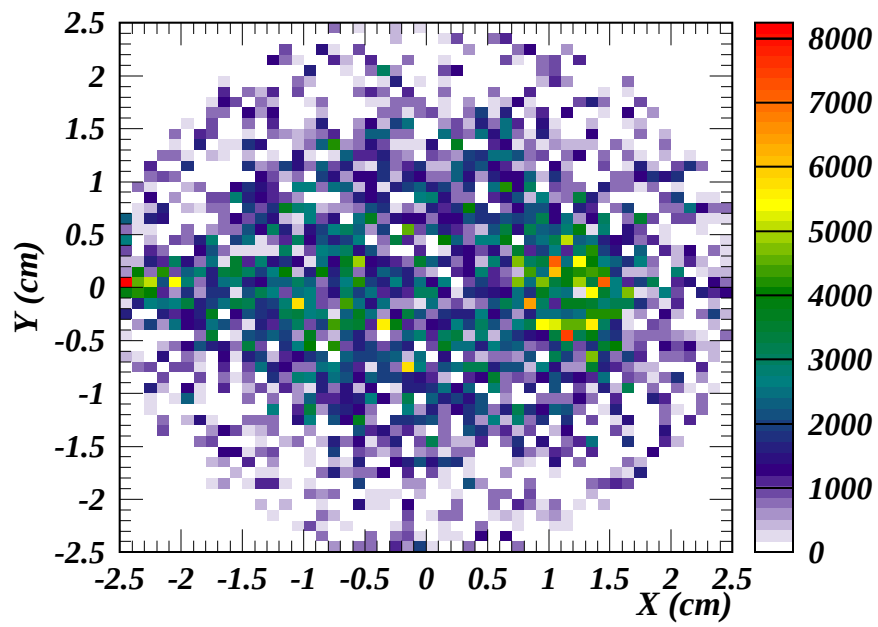


$E_{kin} > 10$ eV: 269 macroparticles, 23047920 e-

10/02/04 11.49



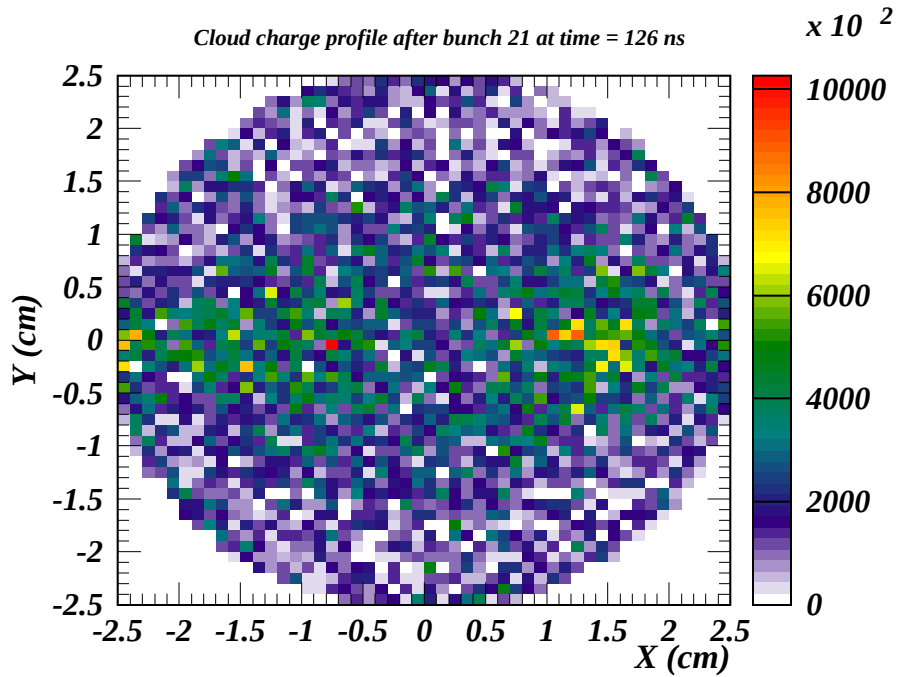
No energy cut: 6301 macroparticles, 301312288 e- $\times 10^{-2}$



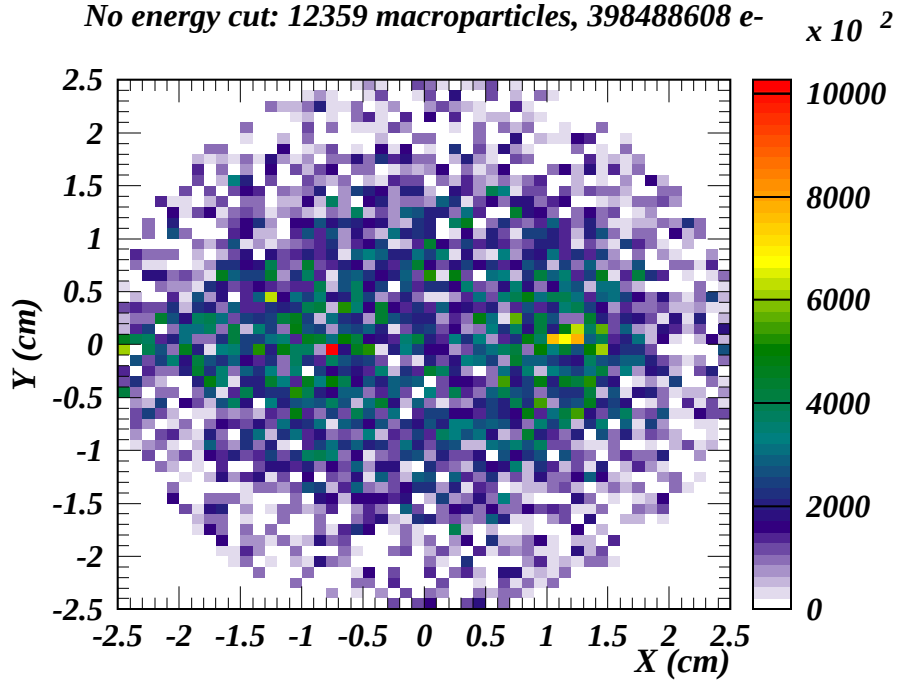
$E_{kin} > 10$ eV: 4205 macroparticles, 209993296 e-

10/02/04 11.49

Cloud charge profile after bunch 21 at time = 126 ns

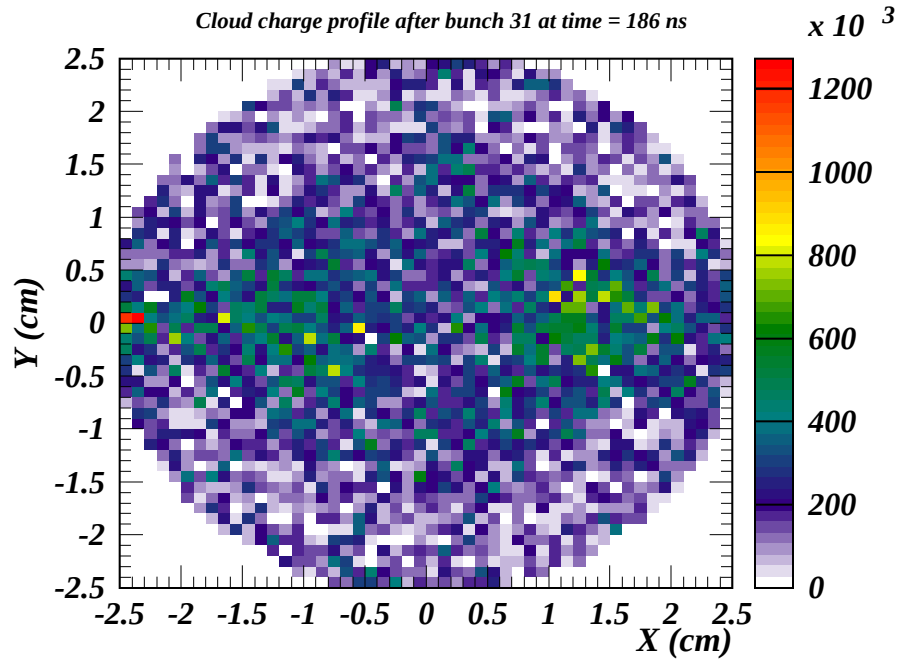


No energy cut: 12359 macroparticles, 398488608 e-

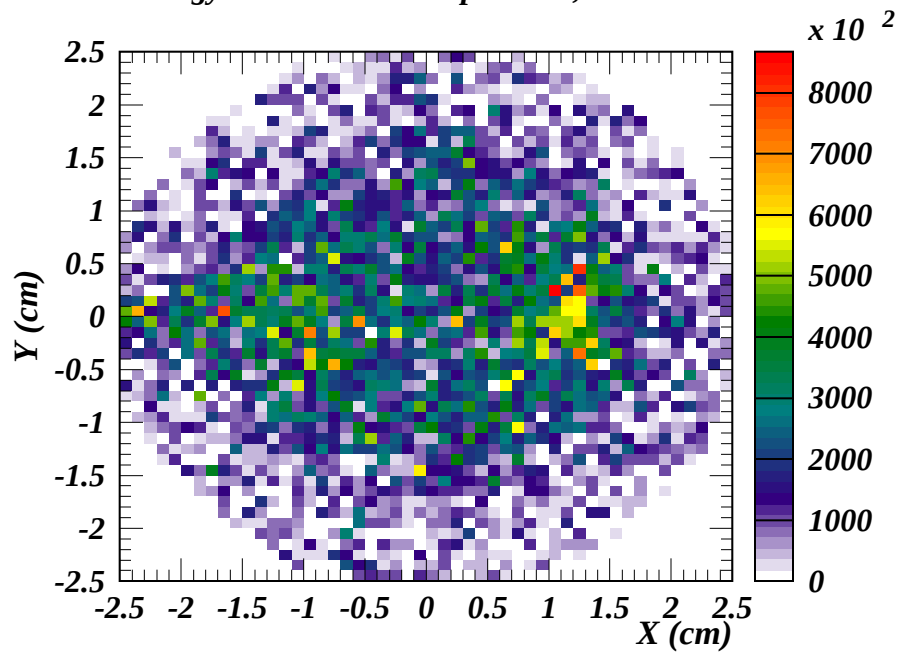


$E_{kin} > 10$ eV: 8195 macroparticles, 270206624 e-

10/02/04 11.49



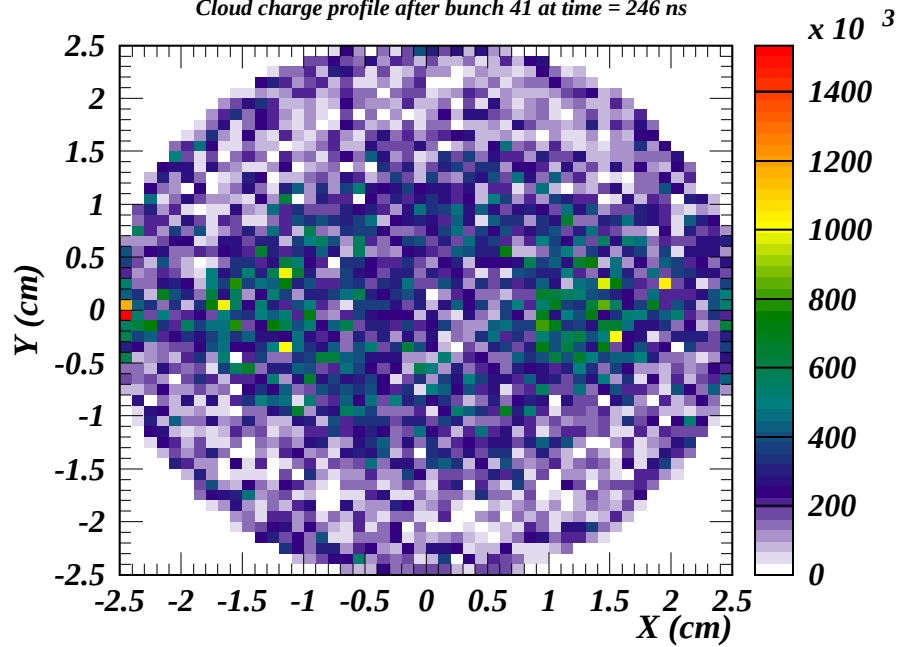
No energy cut: 18400 macroparticles, 435186912 e-



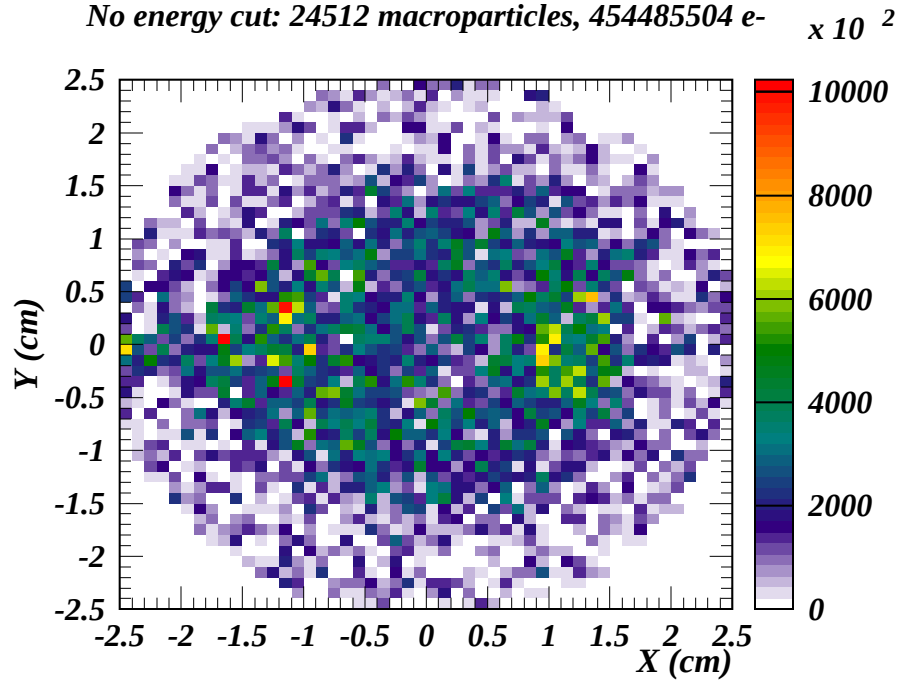
$E_{kin} > 10$ eV: 12249 macroparticles, 297912256 e-

10/02/04 11.49

Cloud charge profile after bunch 41 at time = 246 ns



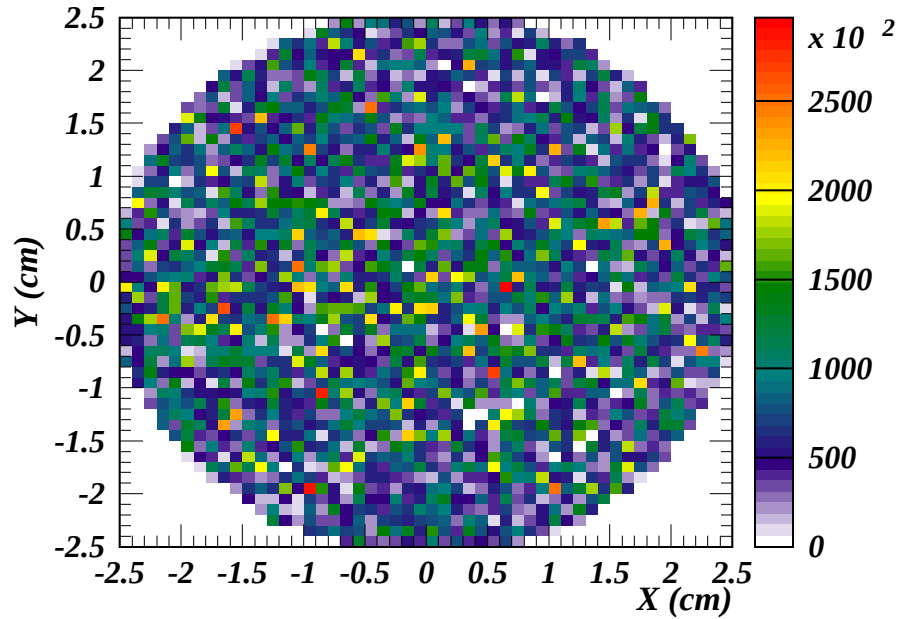
No energy cut: 24512 macroparticles, 454485504 e-



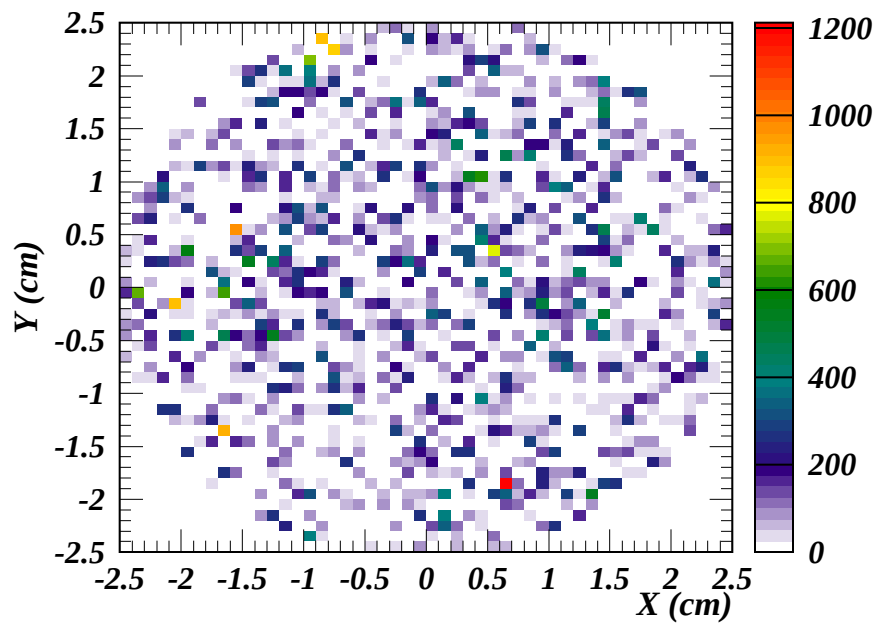
$E_{kin} > 10$ eV: 16308 macroparticles, 312179104 e-

10/02/04 11.49

Cloud charge profile after bunch 51 at time = 306 ns



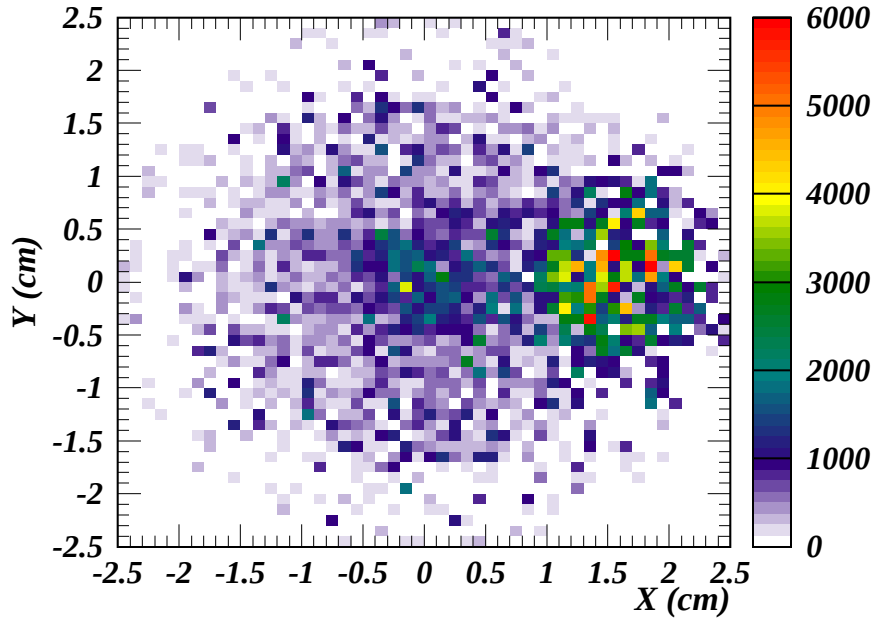
No energy cut: 26715 macroparticles, 160325936 e- $\times 10^{-2}$



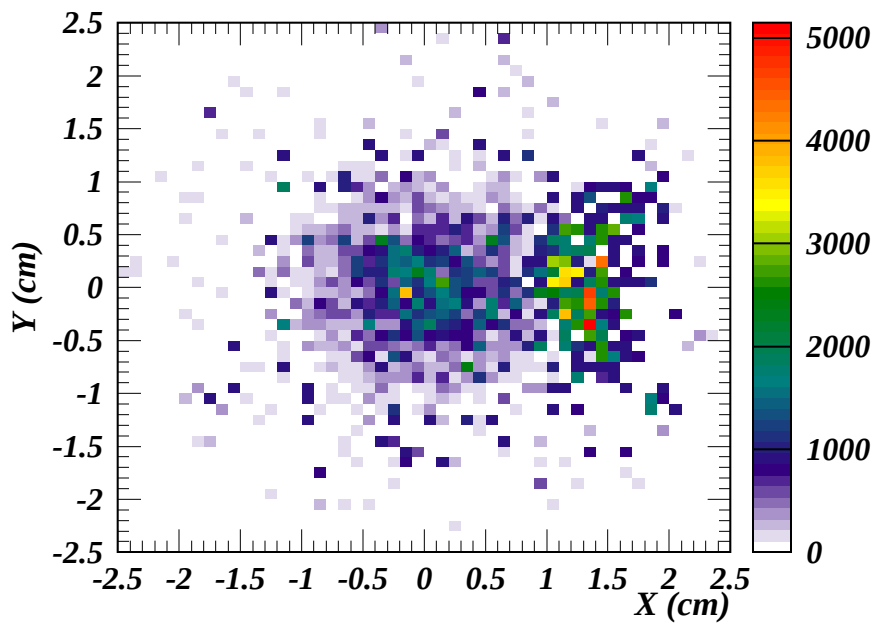
$E_{kin} > 10$ eV: 3487 macroparticles, 14055135 e-

10/02/04 11.49
 $\times 10^{-2}$

Cloud charge profile after bunch 61 at time = 366 ns

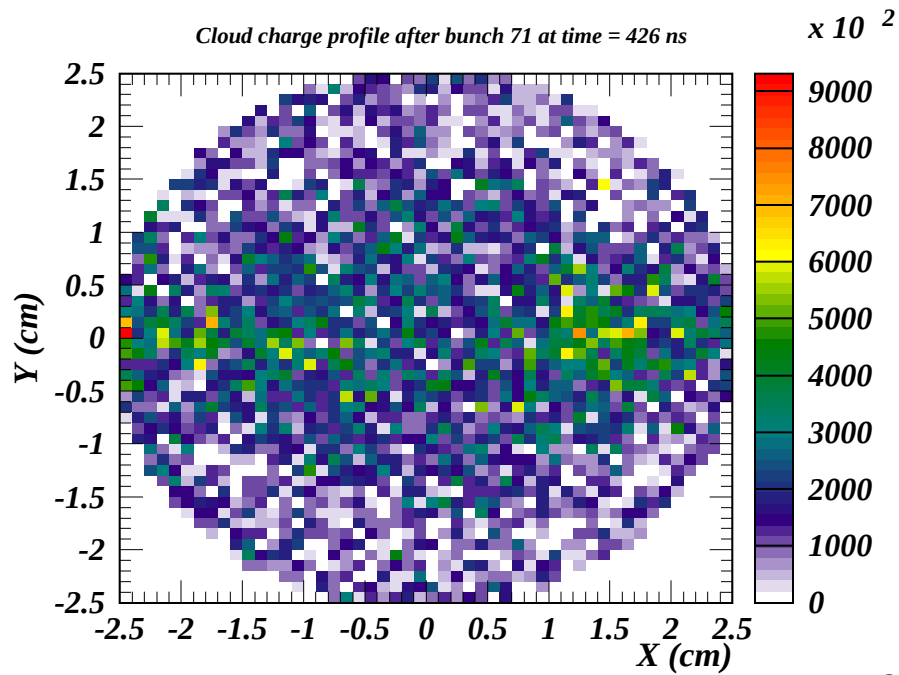


No energy cut: 26190 macroparticles, 99059896 e^- $\times 10^{-2}$

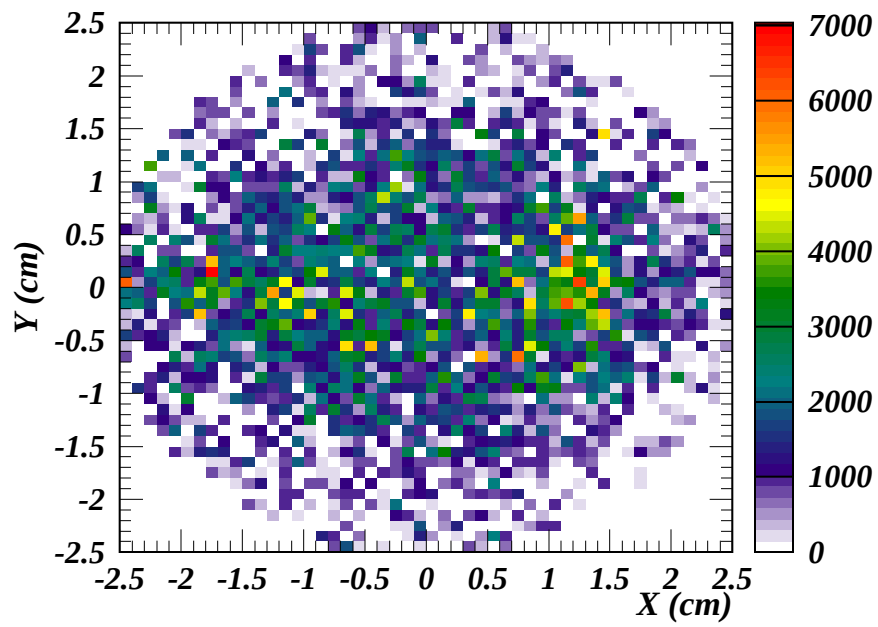


$E_{kin} > 10$ eV: 14213 macroparticles, 53426324 e^-

10/02/04 11.49



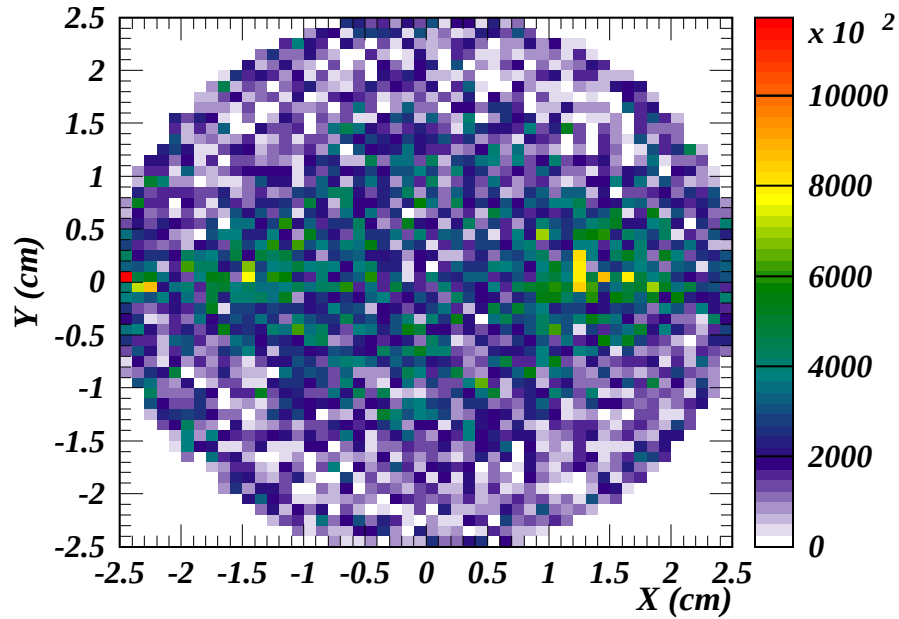
No energy cut: 30650 macroparticles, 329069728 e- $\times 10^{-2}$



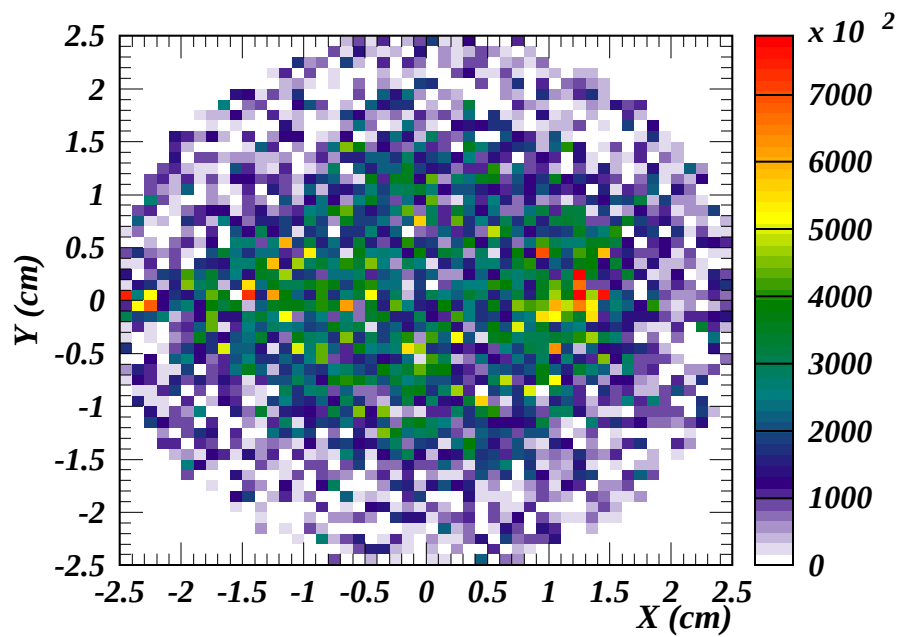
$E_{kin} > 10$ eV: 20293 macroparticles, 229407248 e-

10/02/04 11.49

Cloud charge profile after bunch 81 at time = 486 ns

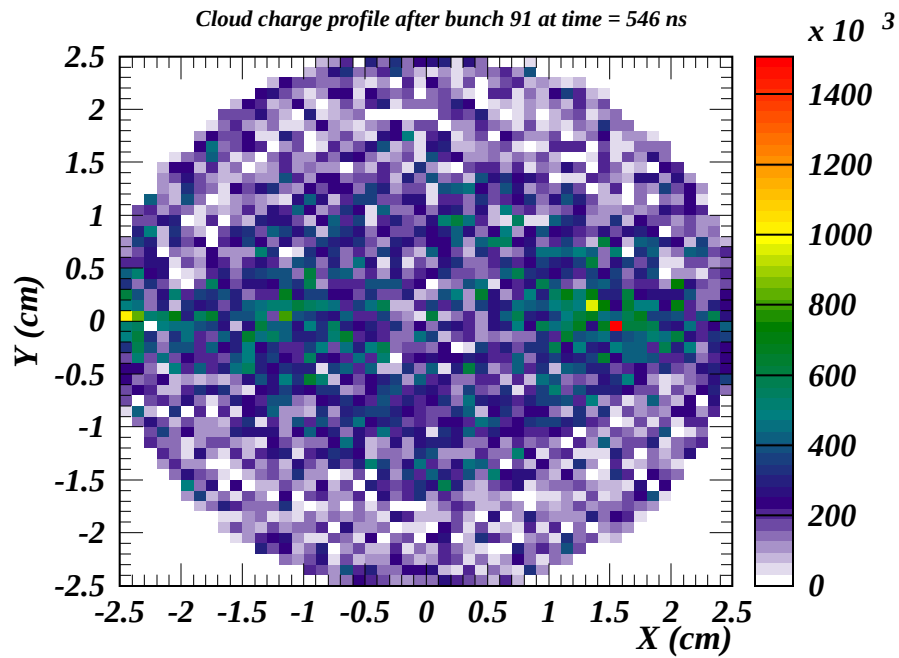


No energy cut: 33900 macroparticles, 405057984 e-

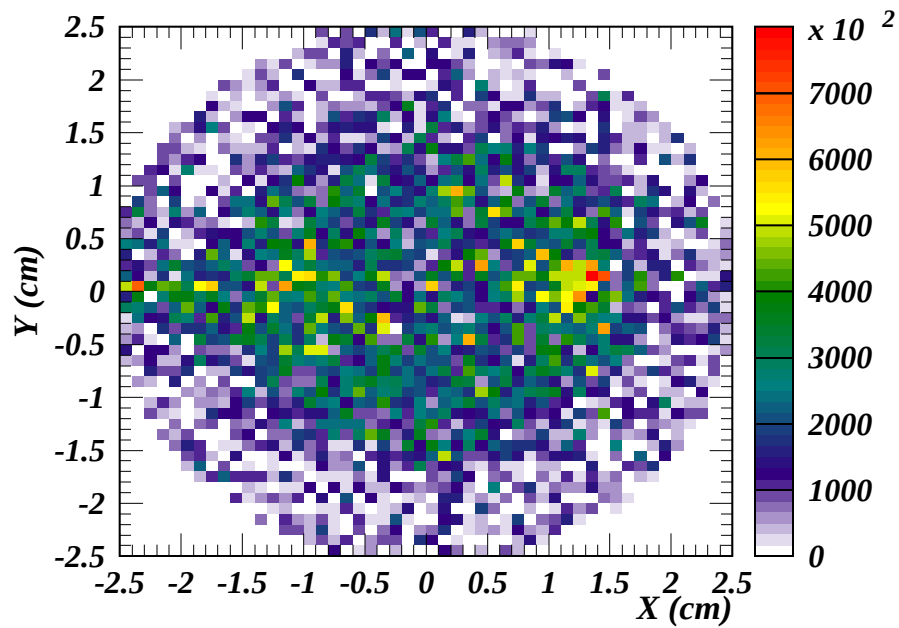


$E_{kin} > 10$ eV: 22265 macroparticles, 277386912 e-

10/02/04 11.49

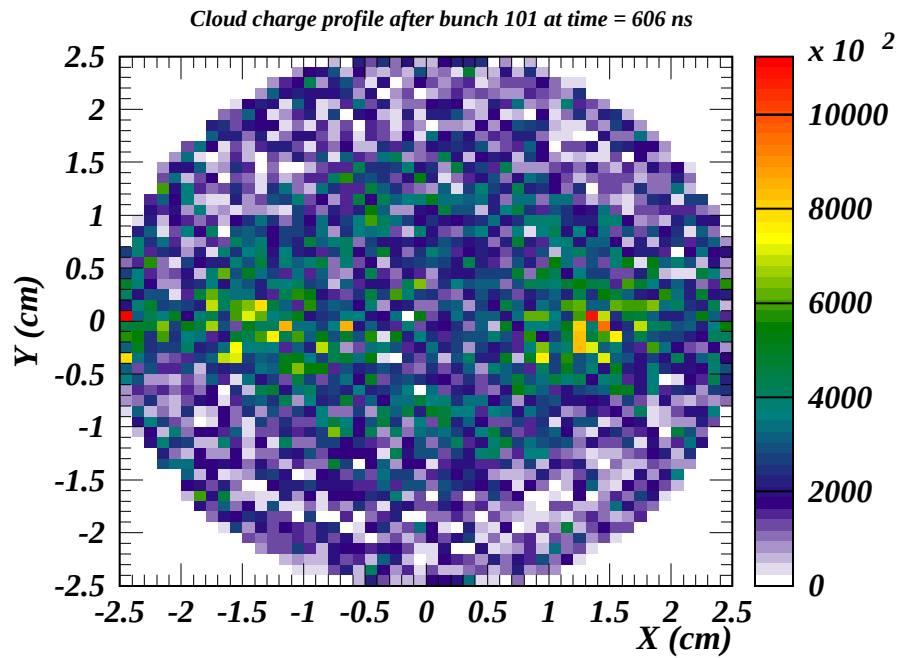


No energy cut: 36028 macroparticles, 441843232 e-

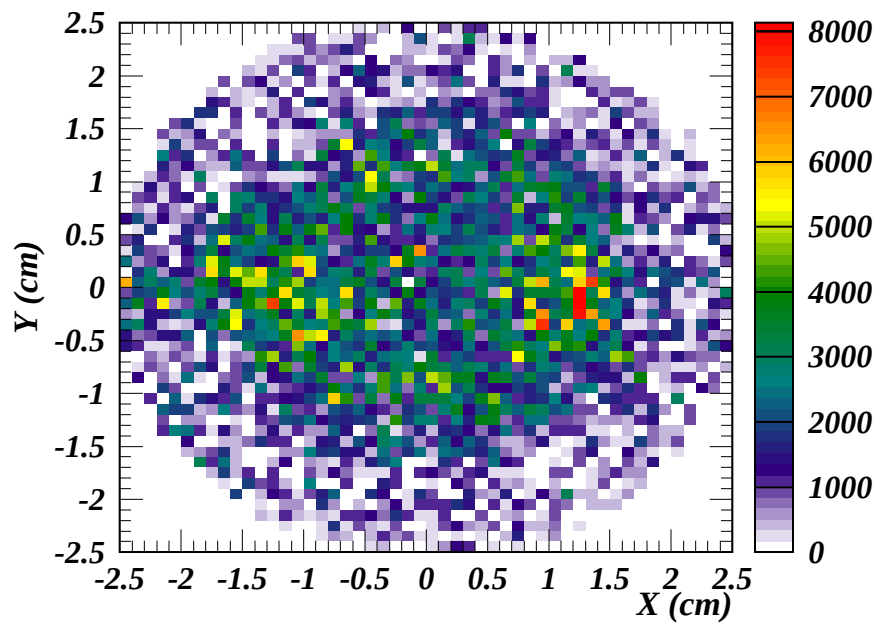


$E_{kin} > 10$ eV: 23815 macroparticles, 298250592 e-

10/02/04 11.49

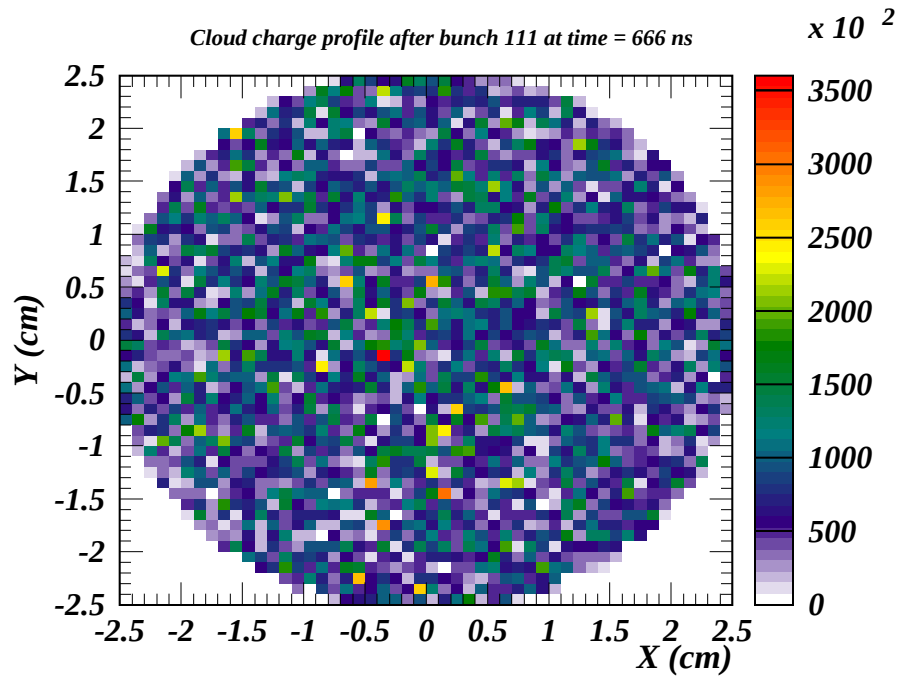


No energy cut: 37571 macroparticles, 452204928 e- $\times 10^2$

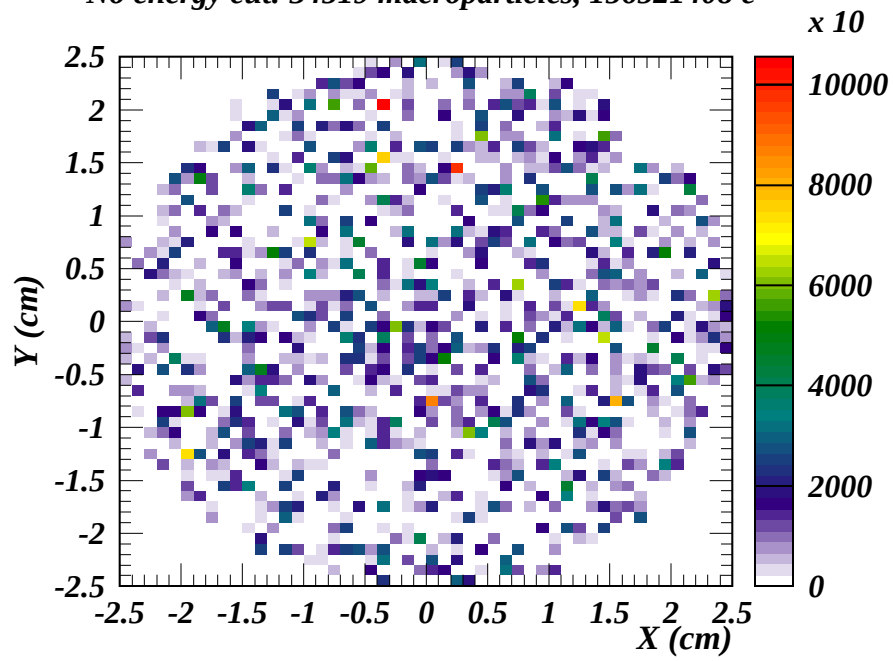


$E_{kin} > 10$ eV: 25116 macroparticles, 311536160 e-

10/02/04 11.49



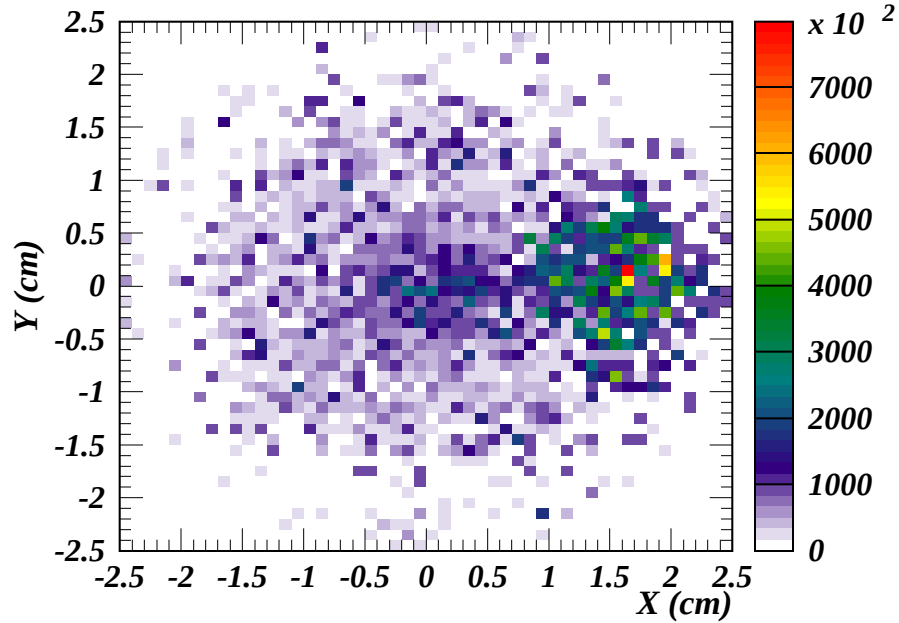
No energy cut: 34519 macroparticles, 156521408 e-



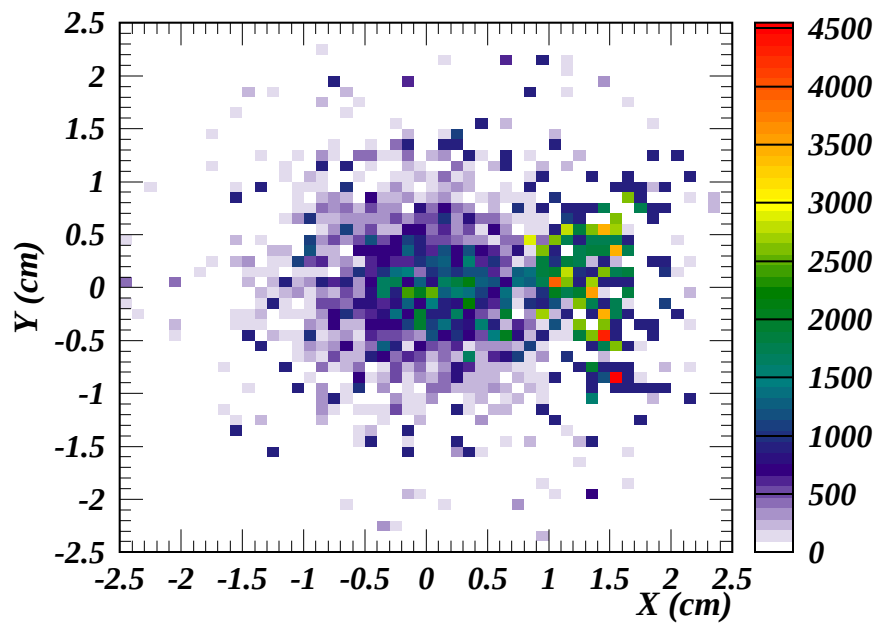
$E_{kin} > 10$ eV: 4209 macroparticles, 14411505 e-

10/02/04 11.49

Cloud charge profile after bunch 121 at time = 726 ns

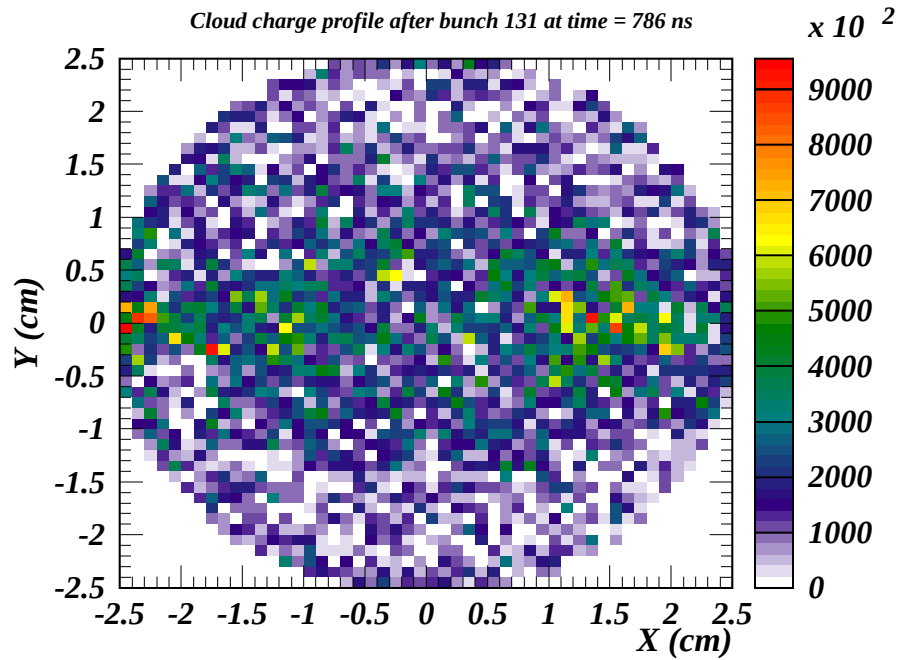


No energy cut: 30471 macroparticles, 97388344 e^- $\times 10^2$

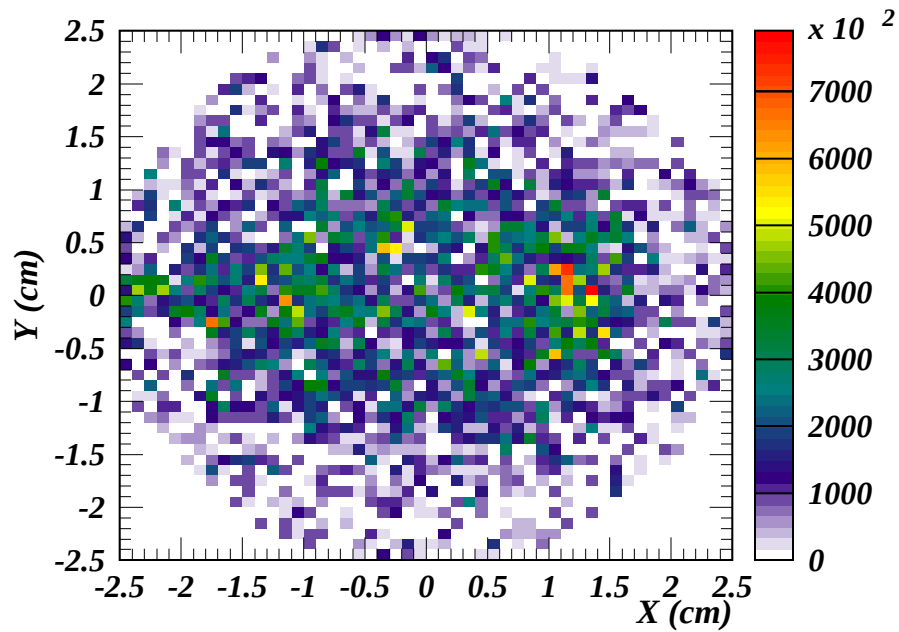


$E_{kin} > 10$ eV: 16272 macroparticles, 49837572 e^-

10/02/04 11.49



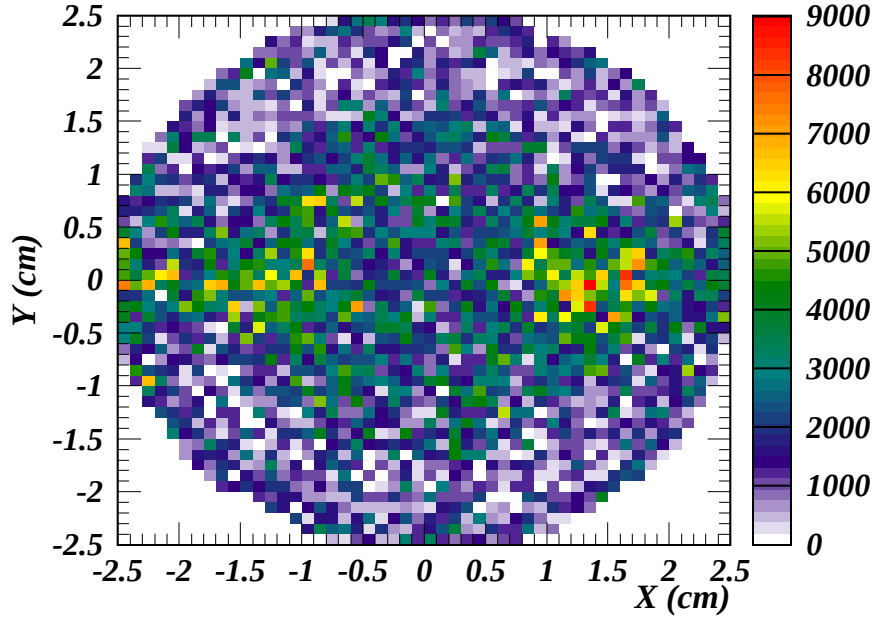
No energy cut: 33189 macroparticles, 327204960 e-



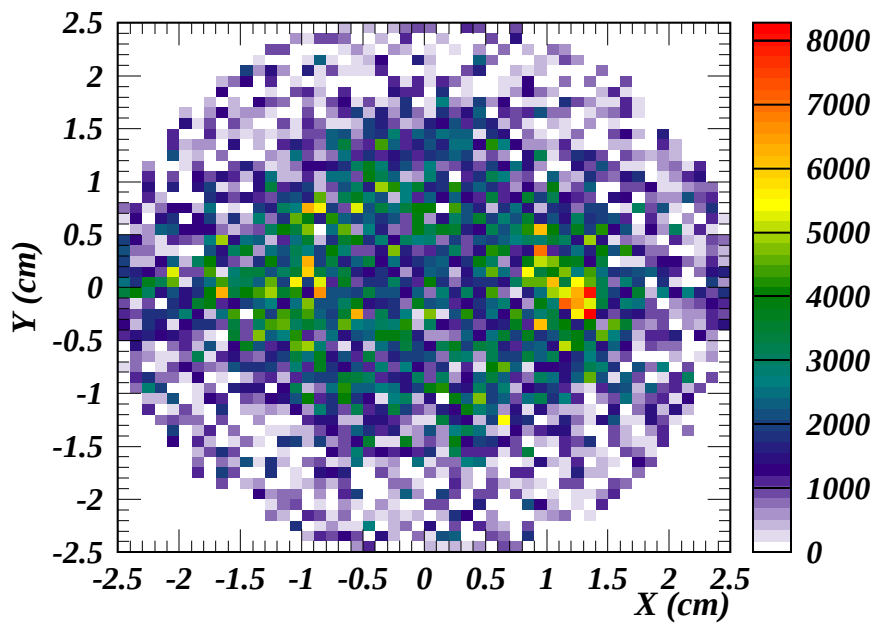
$E_{kin} > 10$ eV: 21714 macroparticles, 218124144 e-

10/02/04 11.49
 $\times 10^{-2}$

Cloud charge profile after bunch 141 at time = 846 ns



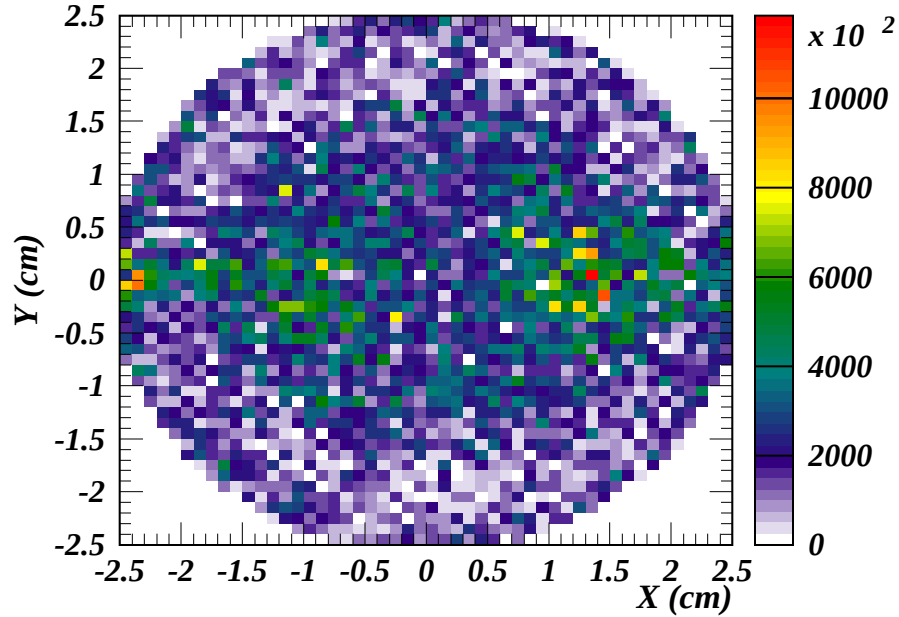
No energy cut: 35223 macroparticles, 408235360 e^-
 $\times 10^{-2}$



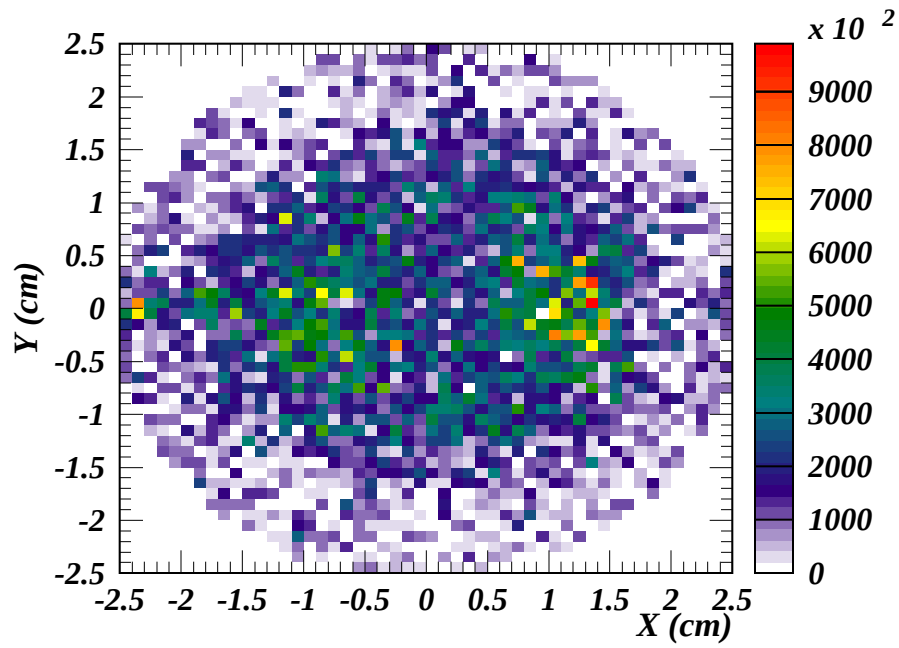
$E_{kin} > 10$ eV: 23287 macroparticles, 276515712 e^-

10/02/04 11.49

Cloud charge profile after bunch 151 at time = 906 ns

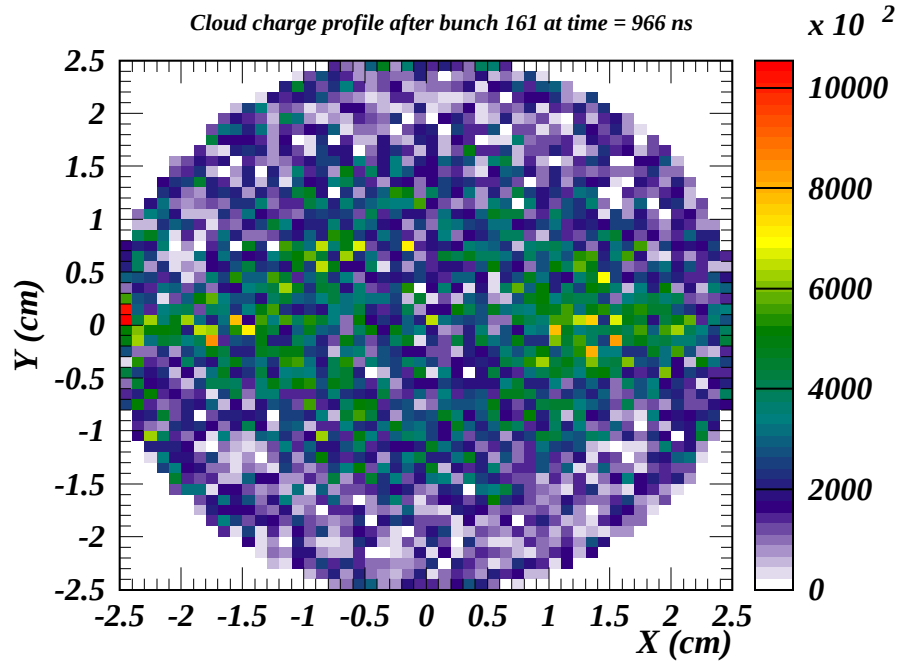


No energy cut: 36903 macroparticles, 437175232 e-

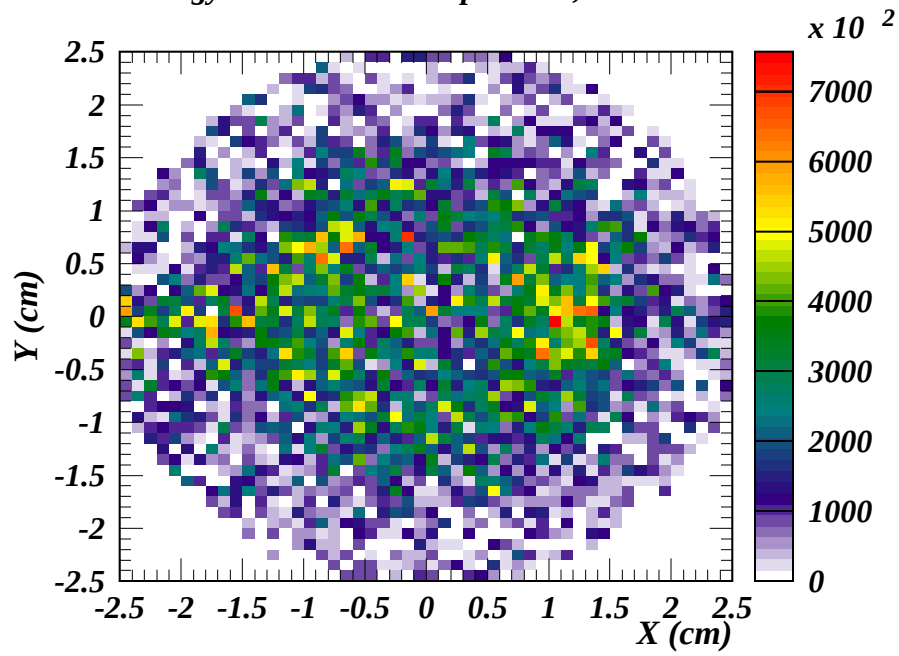


$E_{kin} > 10$ eV: 24218 macroparticles, 297350528 e-

10/02/04 11.49

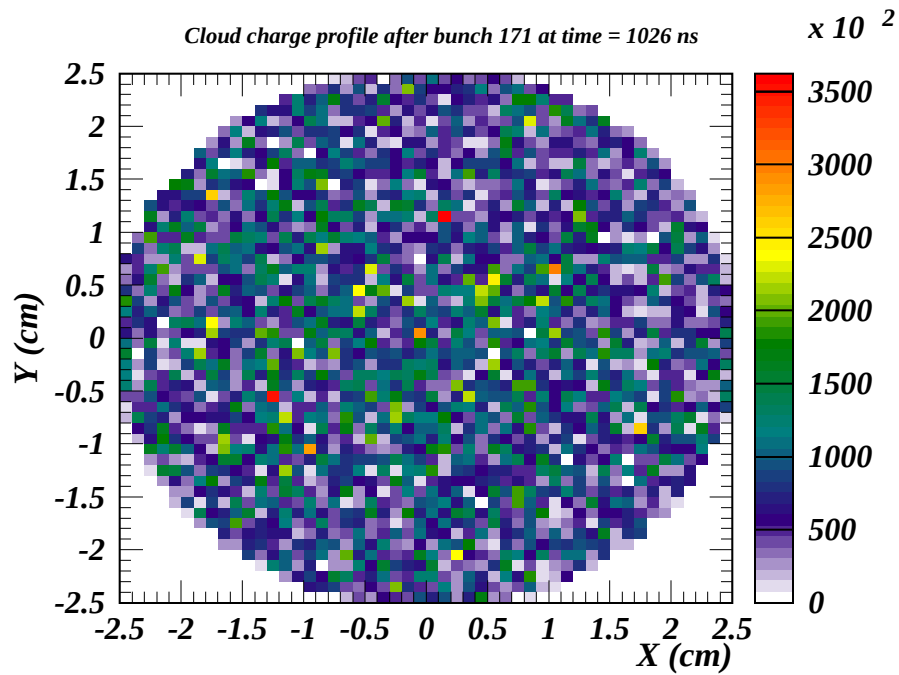


No energy cut: 37963 macroparticles, 452366336 e-

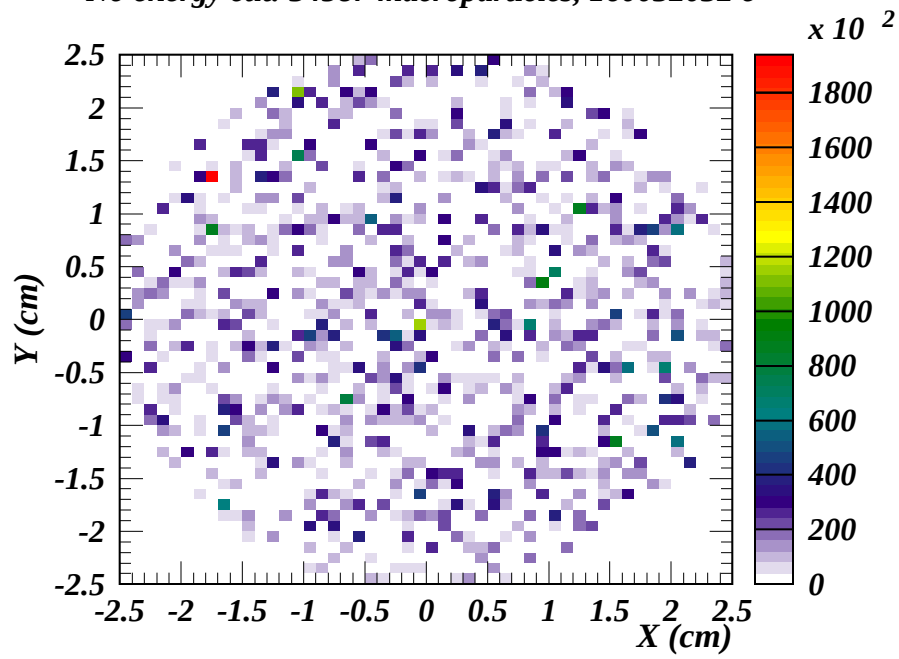


$E_{kin} > 10$ eV: 25149 macroparticles, 307439168 e-

10/02/04 11.49

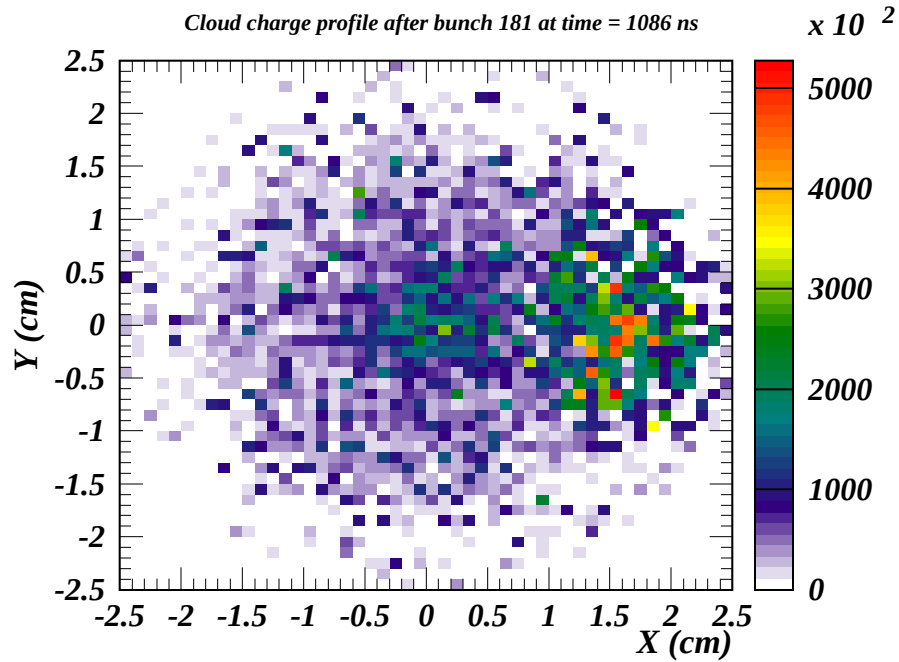


No energy cut: 34587 macroparticles, 160032032 e-

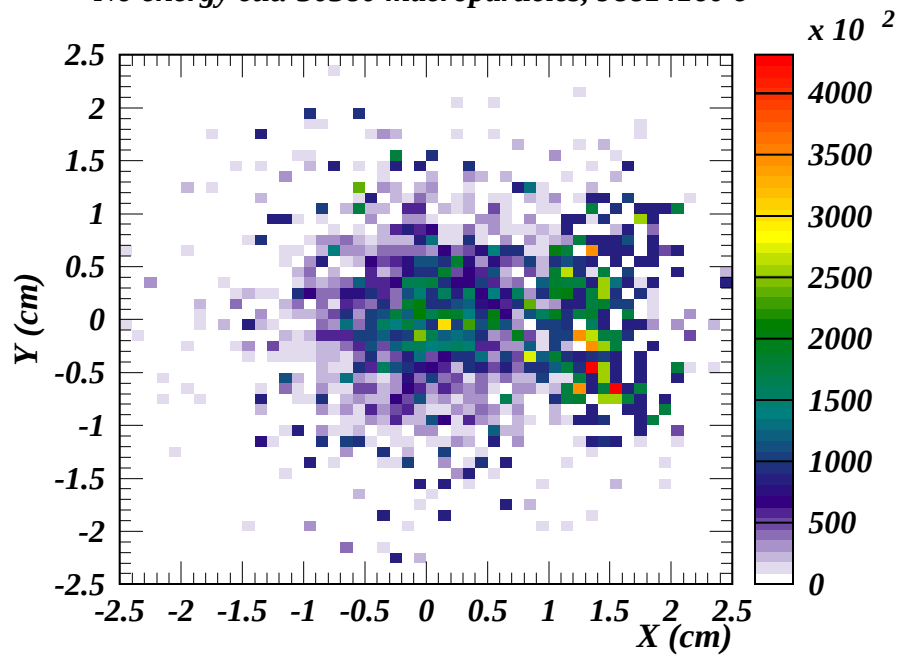


$E_{kin} > 10$ eV: 4290 macroparticles, 13914184 e-

10/02/04 11.49

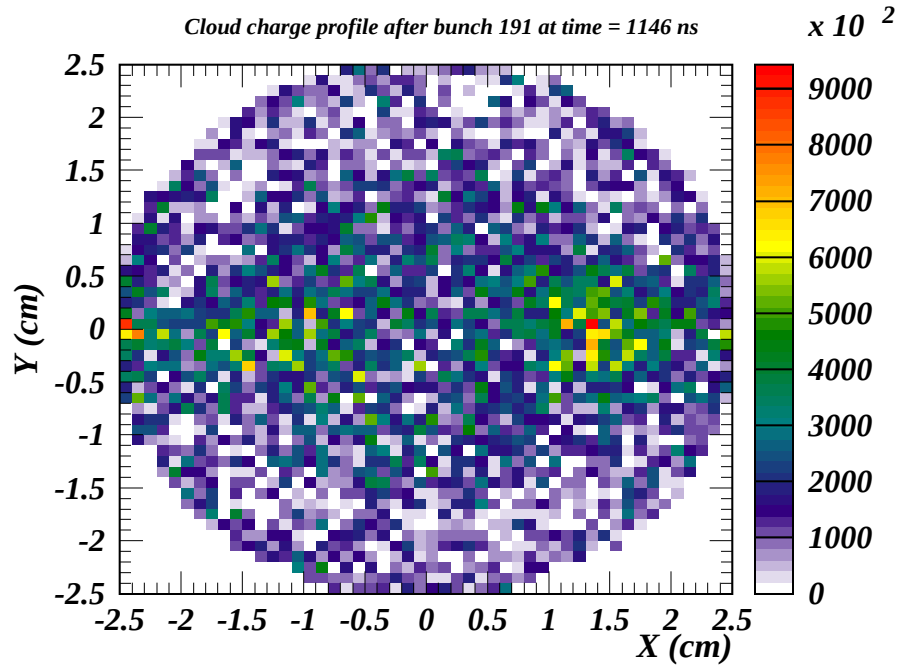


No energy cut: 30380 macroparticles, 98814160 e-

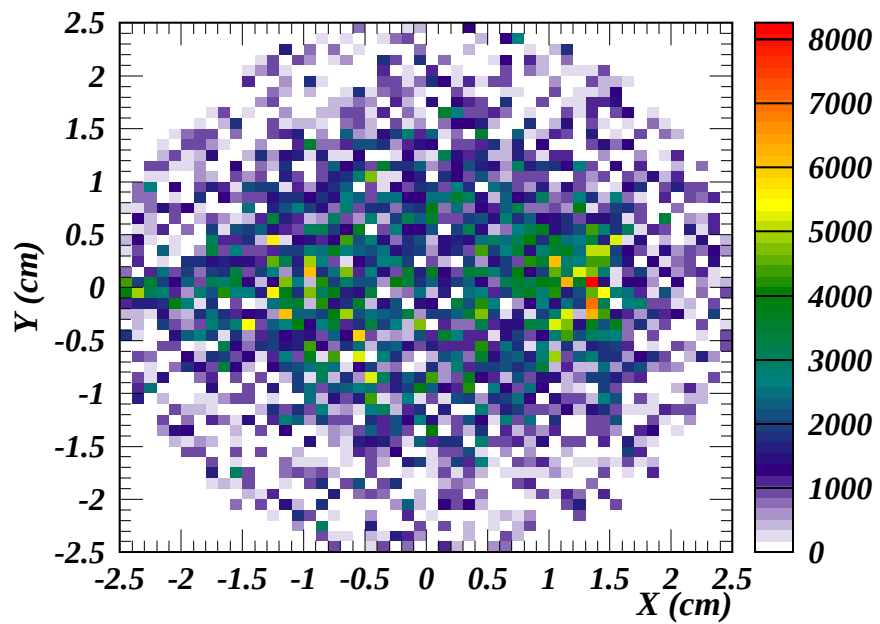


$E_{kin} > 10$ eV: 16234 macroparticles, 52831300 e-

10/02/04 11.49

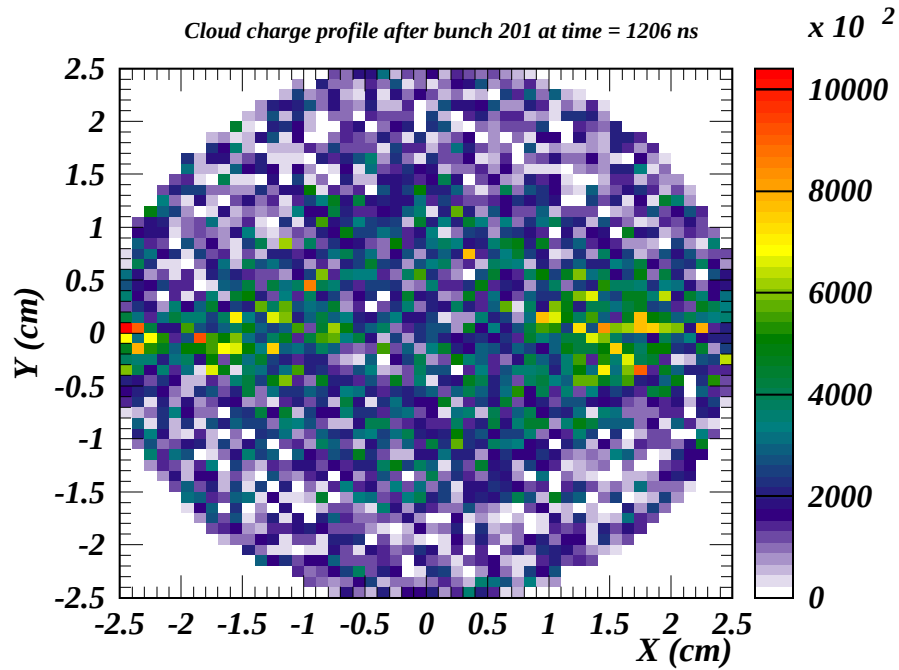


No energy cut: 33065 macroparticles, 329558752 e- $\times 10^{-2}$

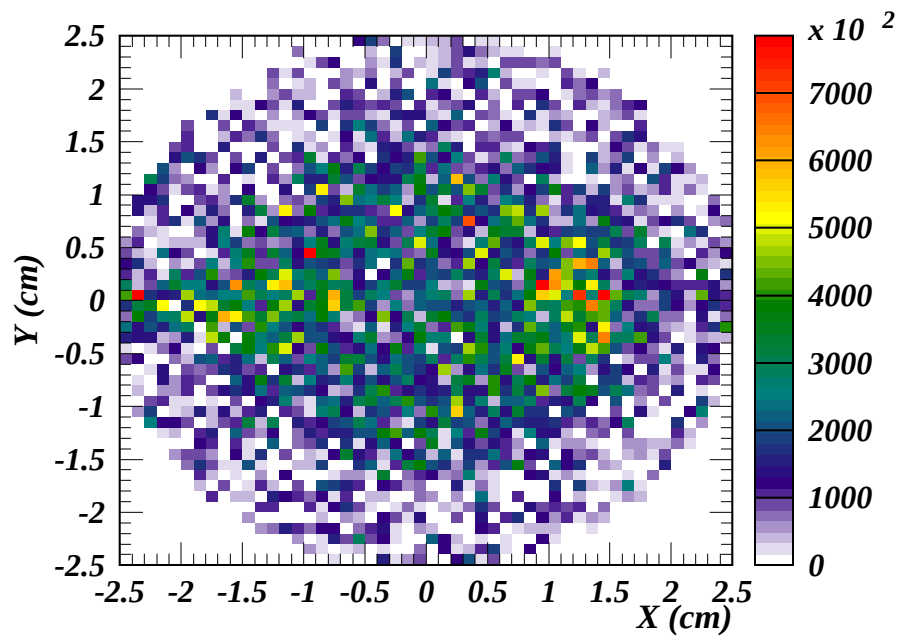


$E_{kin} > 10$ eV: 21845 macroparticles, 223662416 e-

10/02/04 11.49



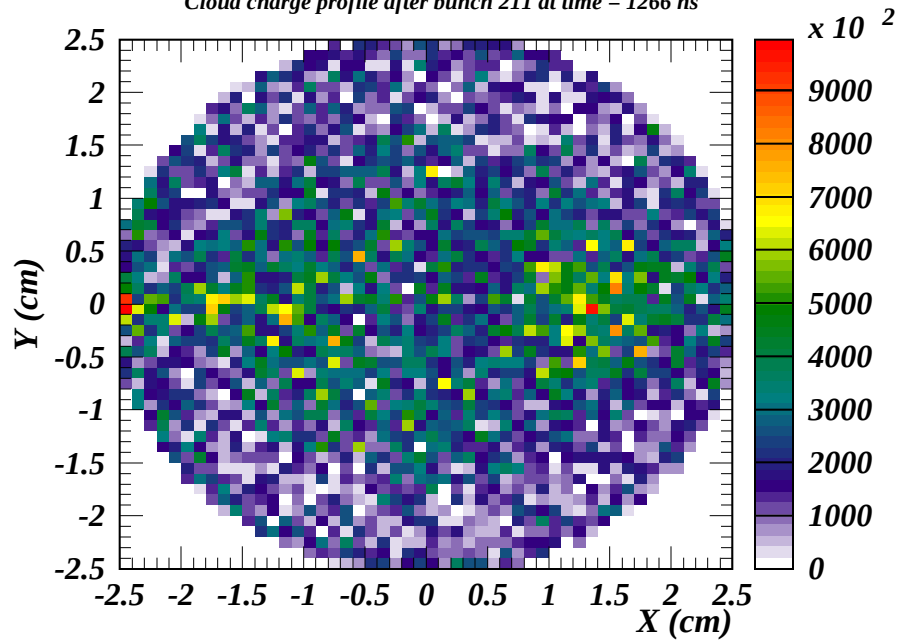
No energy cut: 34964 macroparticles, 409426208 e-



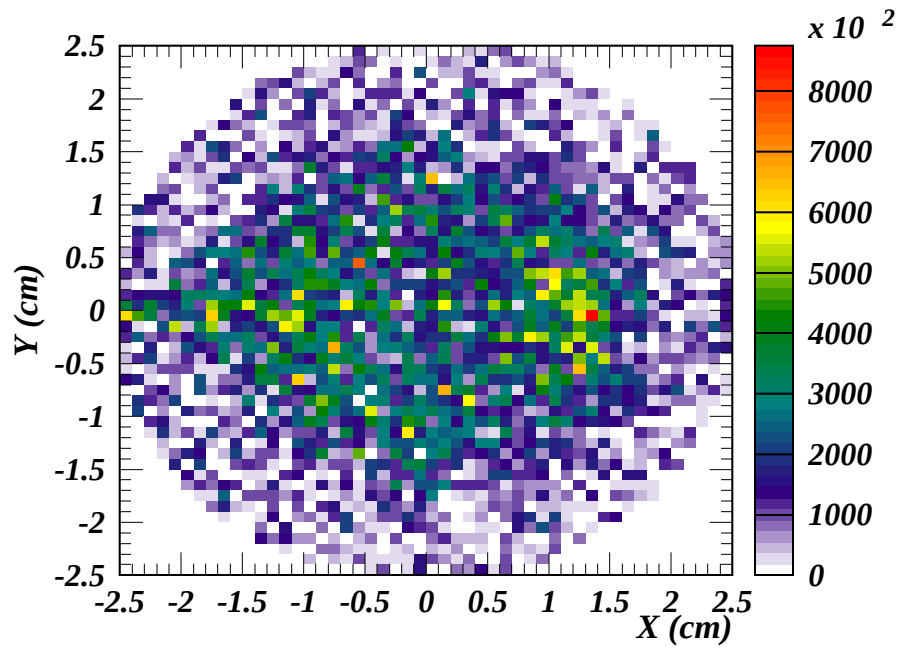
$E_{kin} > 10$ eV: 23273 macroparticles, 280440224 e-

10/02/04 11.49

Cloud charge profile after bunch 211 at time = 1266 ns



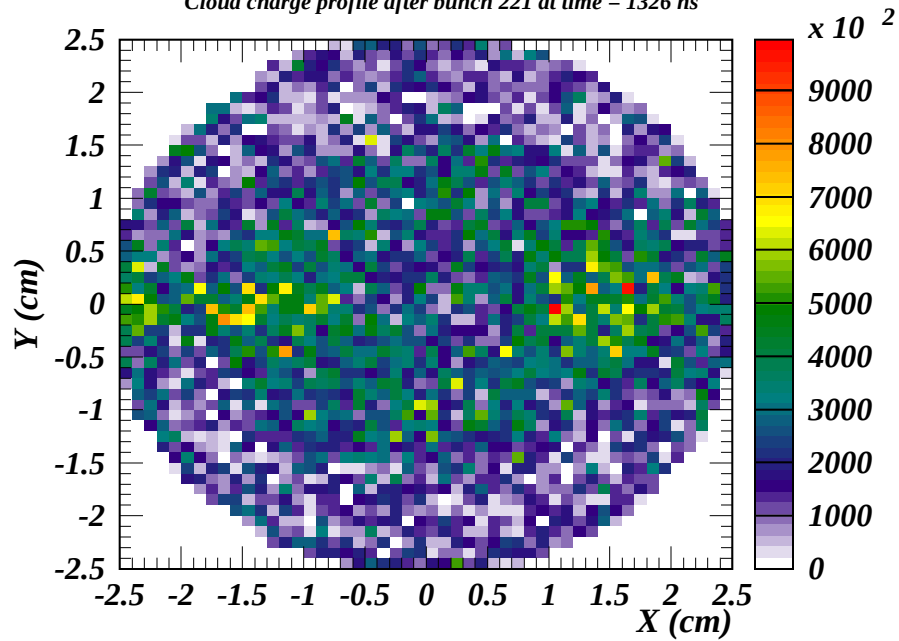
No energy cut: 36449 macroparticles, 439979104 e-



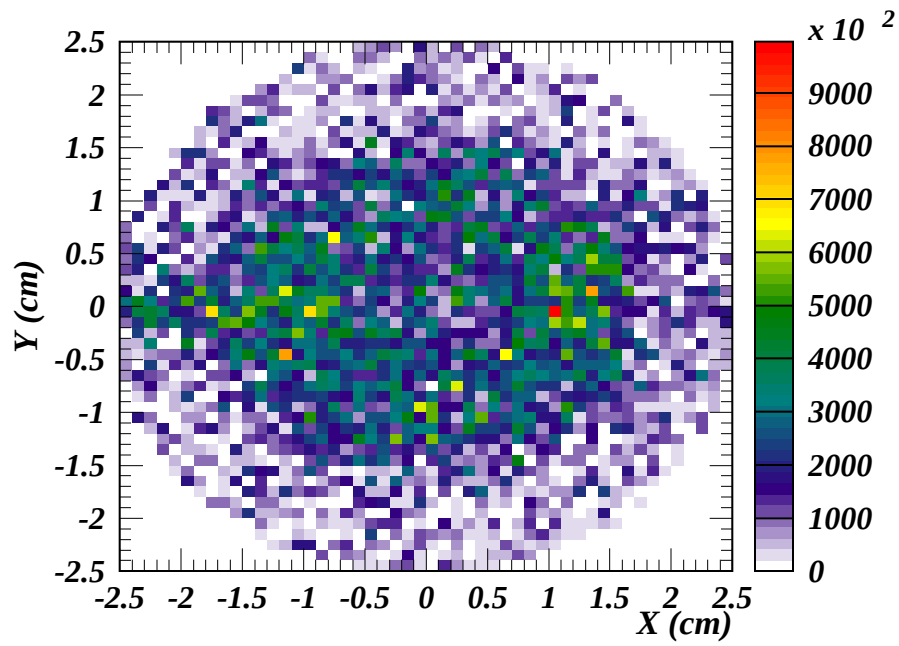
$E_{kin} > 10$ eV: 24086 macroparticles, 297607424 e-

10/02/04 11.50

Cloud charge profile after bunch 221 at time = 1326 ns

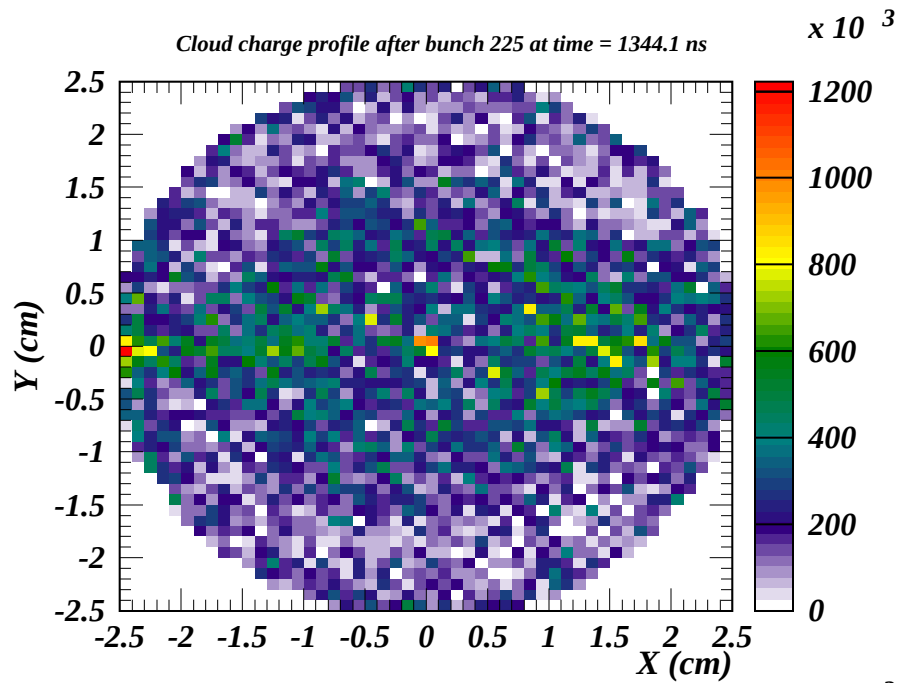


No energy cut: 37700 macroparticles, 452526912 e-

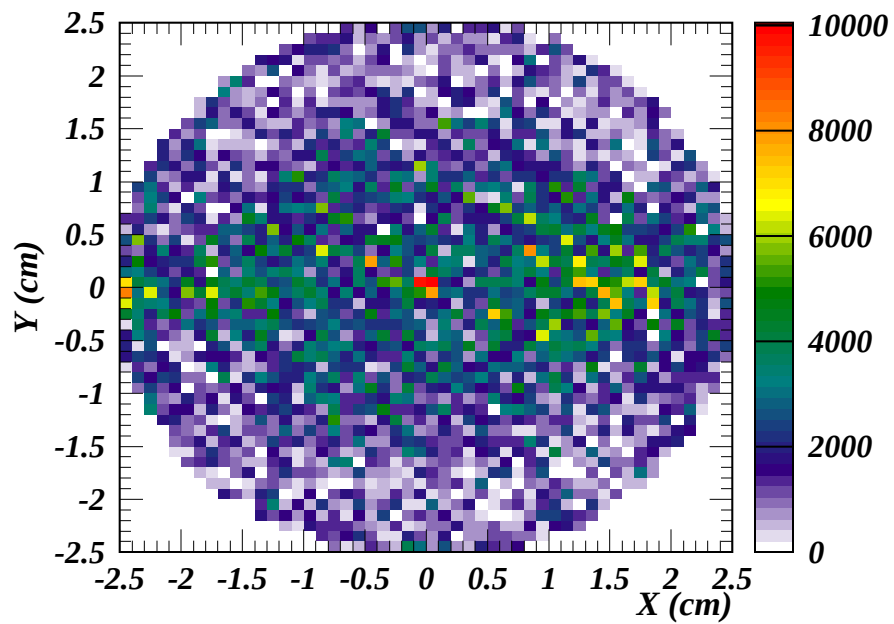


$E_{kin} > 10$ eV: 25112 macroparticles, 310445248 e-

10/02/04 11.50

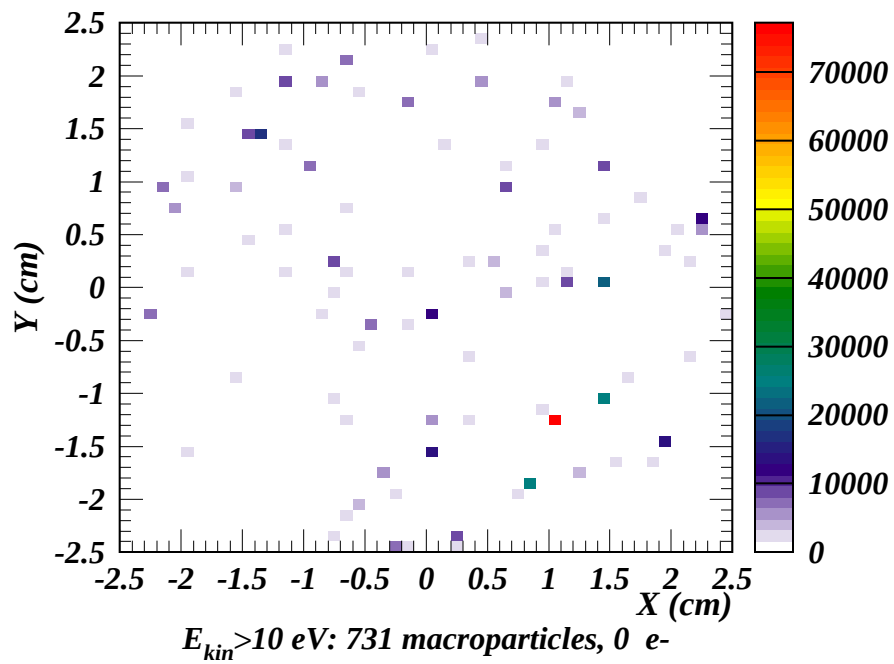
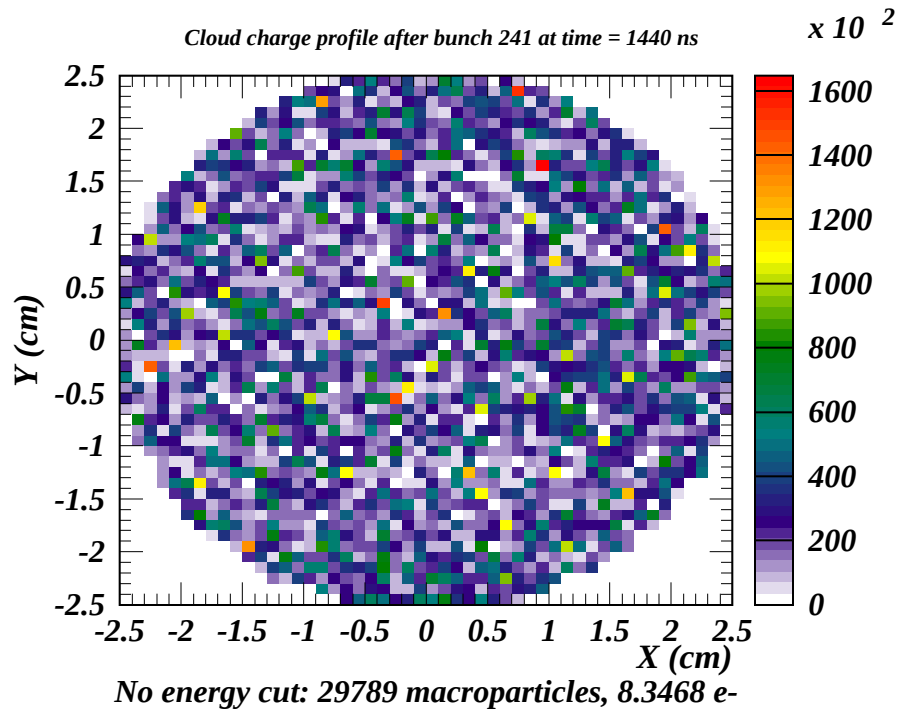


No energy cut: 38137 macroparticles, 495839488 e- $\times 10^2$



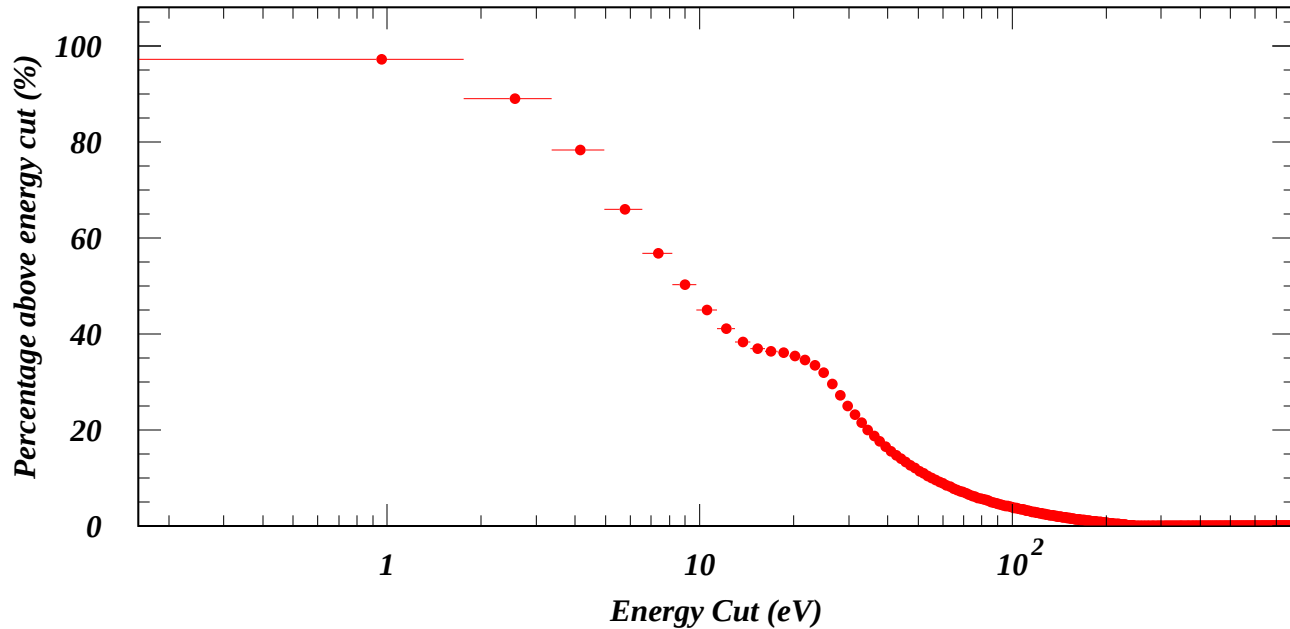
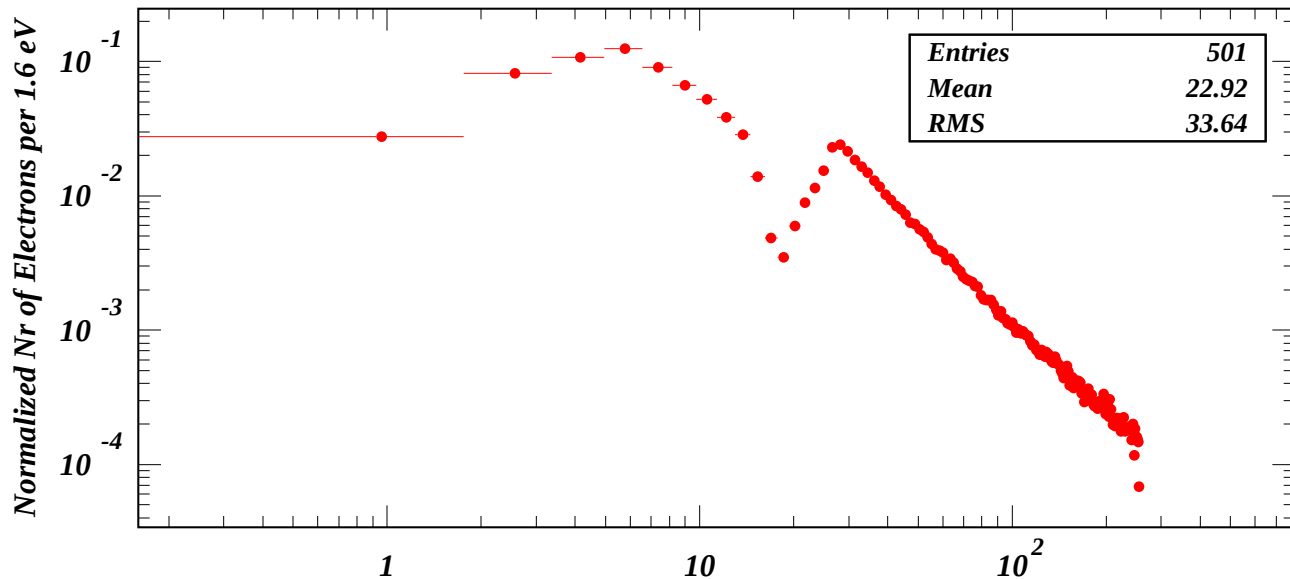
$E_{kin} > 10$ eV: 31409 macroparticles, 399532544 e-

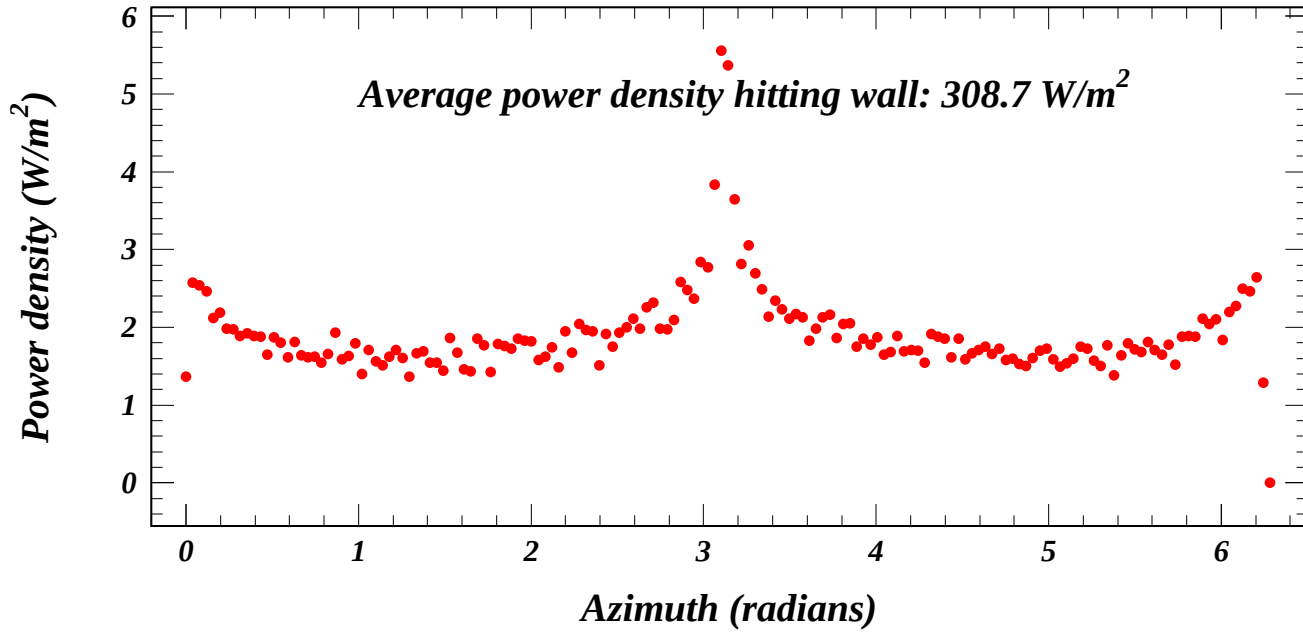
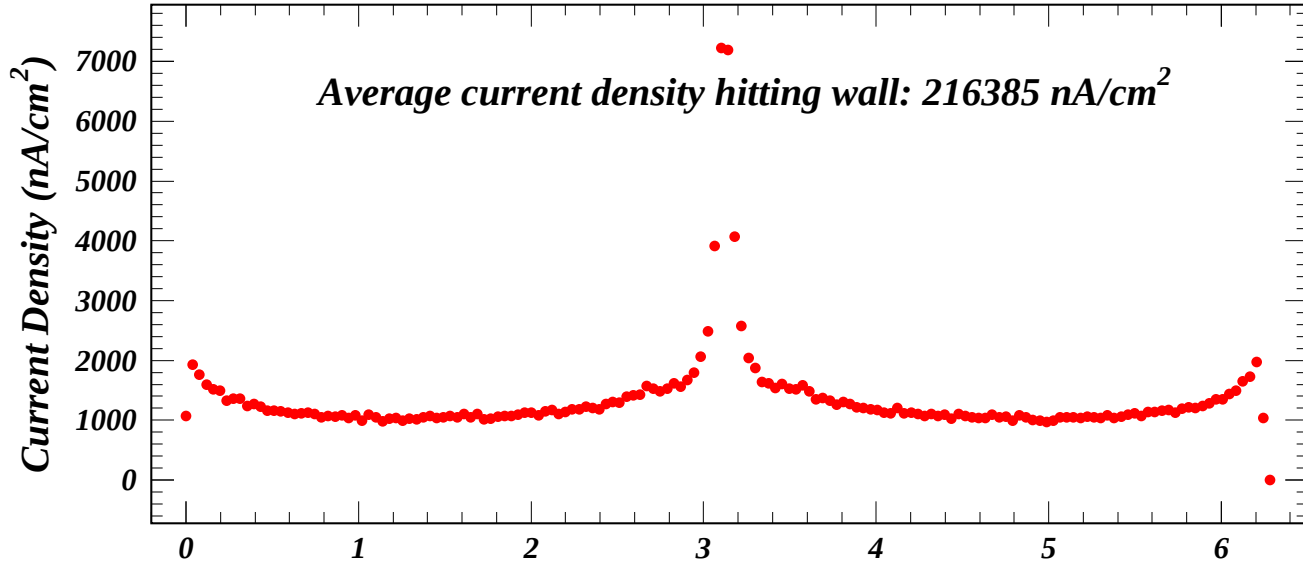
10/02/04 11.50

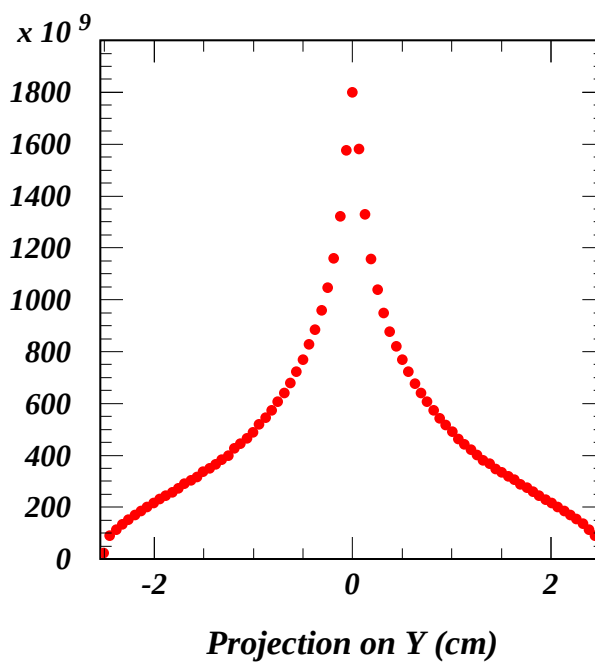
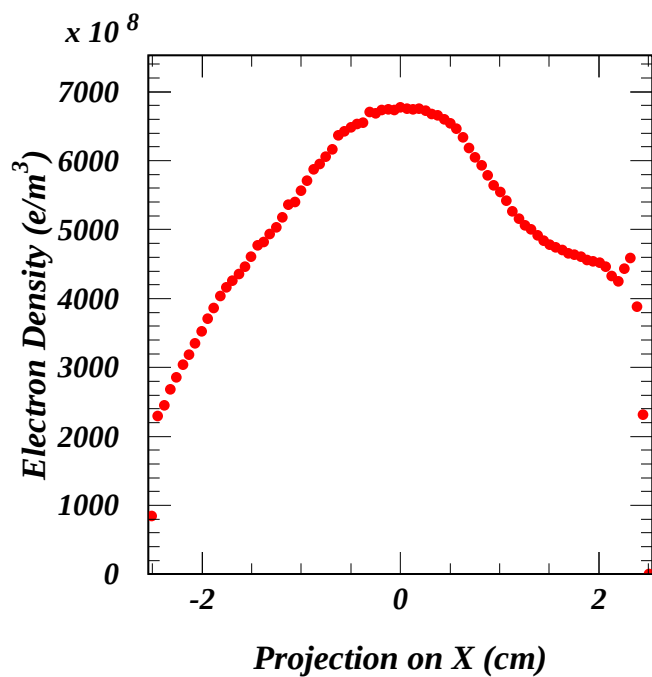
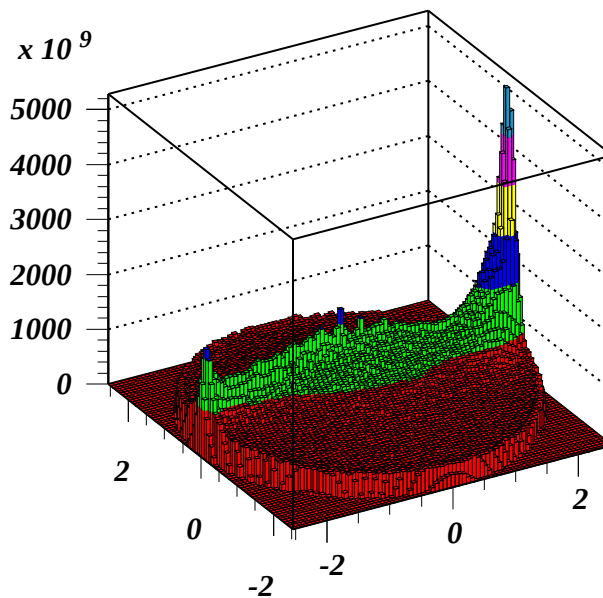
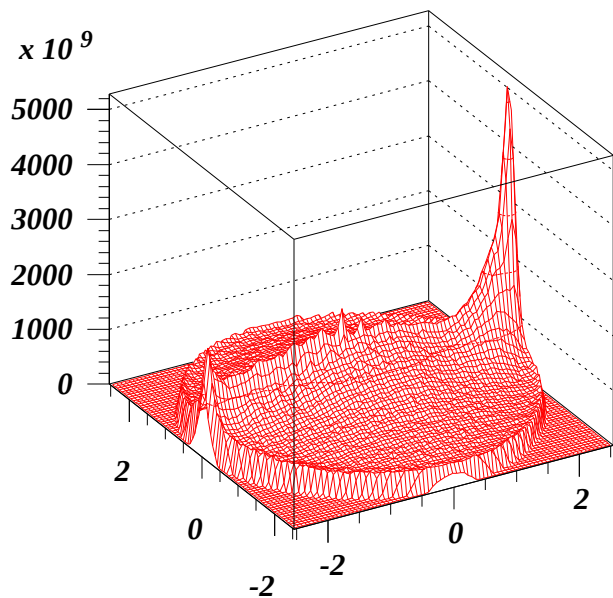


10/02/04 11.50

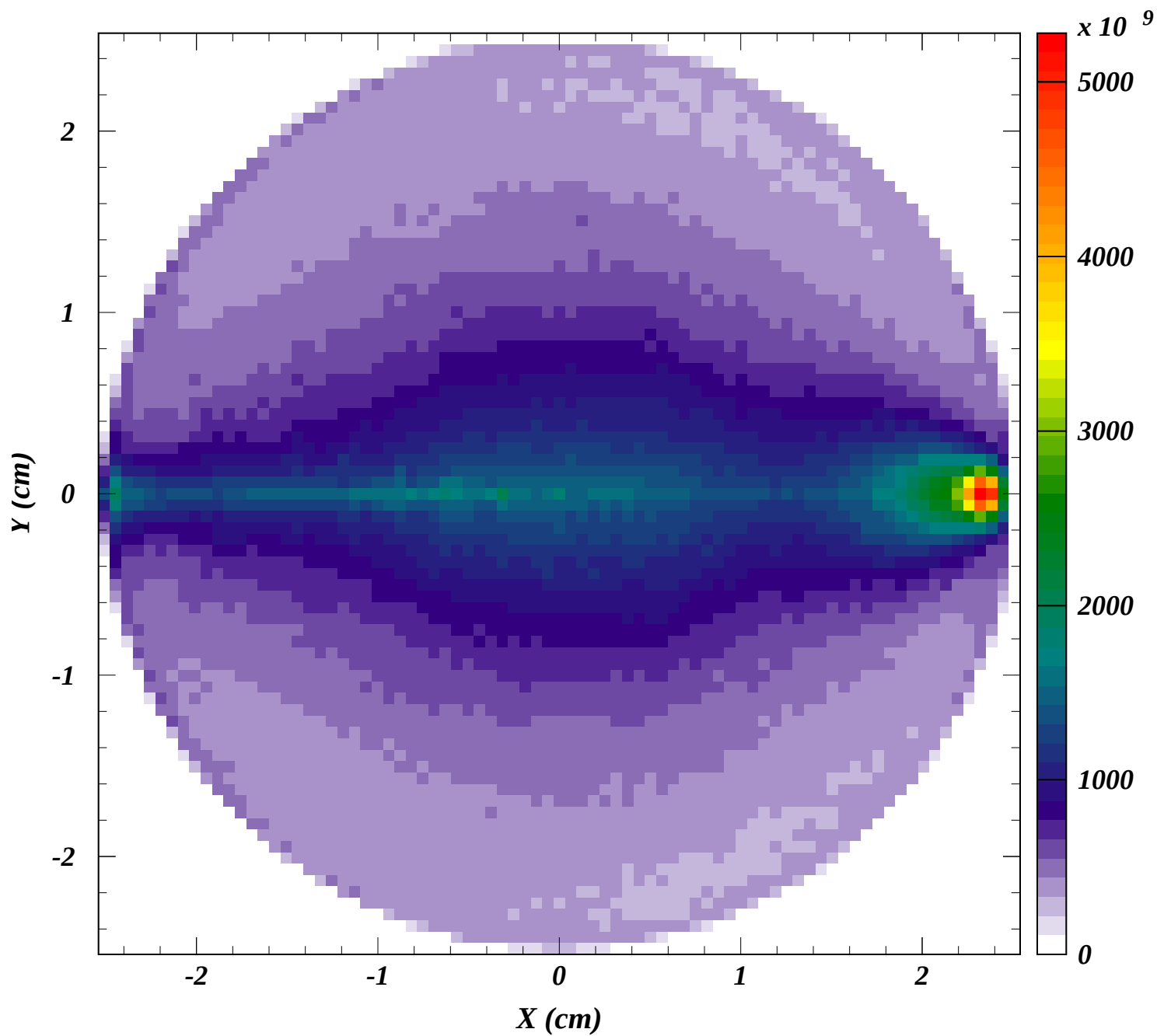
ECLOUD-DR20100203_pos_dri_nored: Time-Integrated Energies of Electrons Hitting V



ECLOUD-DR20100203_pos_dri_nored: Time-Integrated Energies of Electrons Hitting V

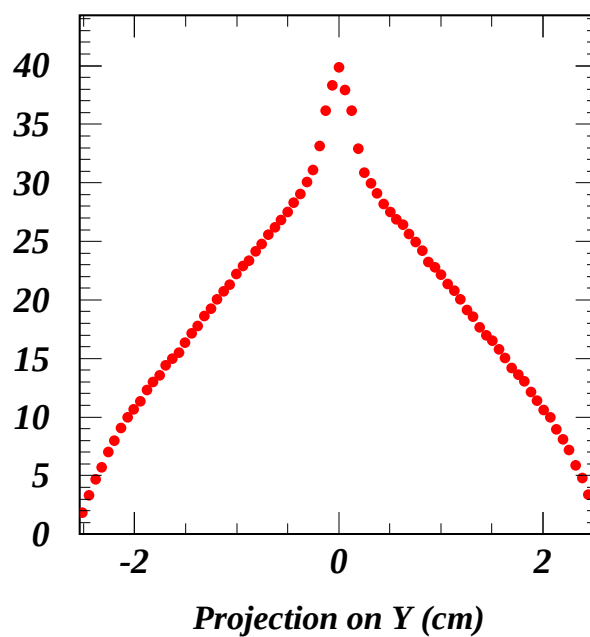
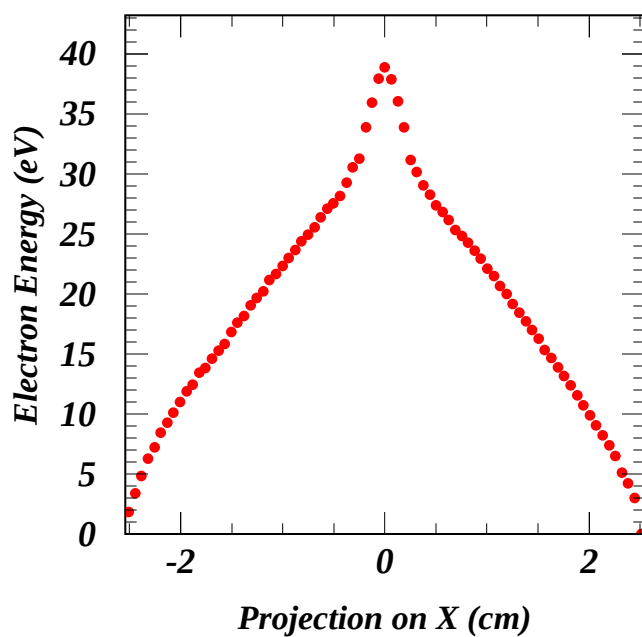
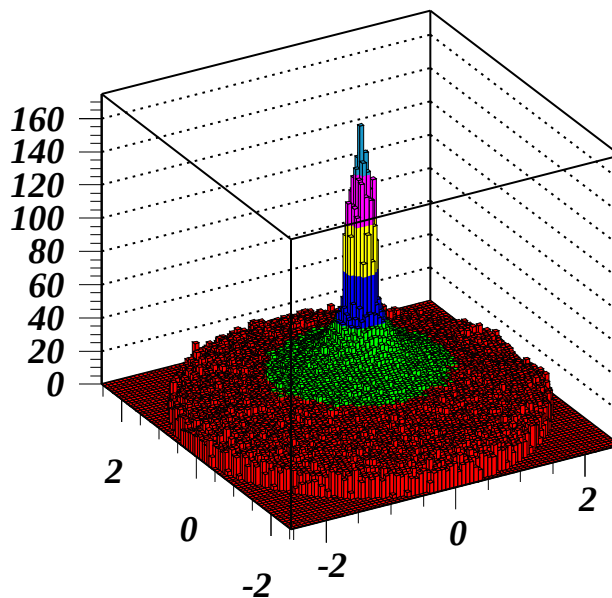
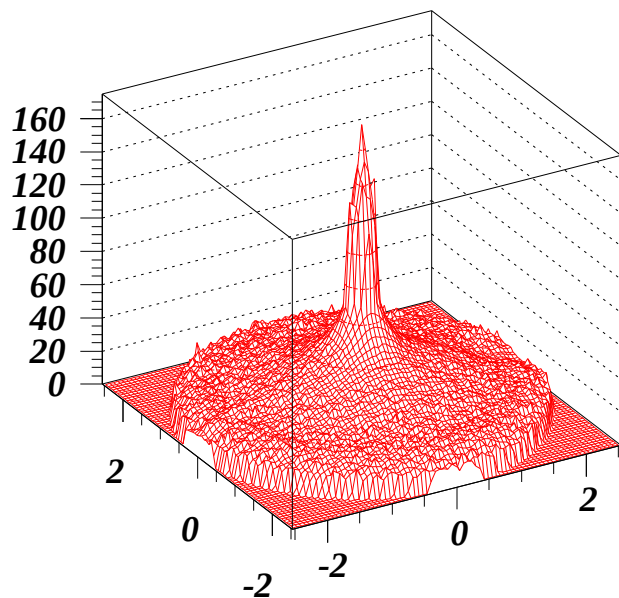
ECLOUD-DR20100203_pos_dri_nored: Cloud Density (e/m^3) Averaged Over 1440 ns

10/02/04 11.50
ECLOUD-DR20100203_pos_dri_nored: Cloud Density (e/m^3) Averaged Over 1440 ns



10/02/04 11.50

ECLOUD-DR20100203_pos_dri_nored: Electron Energies (eV) Averaged Over 1440 ns



10/02/04 11.50
ECLOUD-DR20100203_pos_dri_nored: Electron Energies (eV) Averaged Over 1440 ns

