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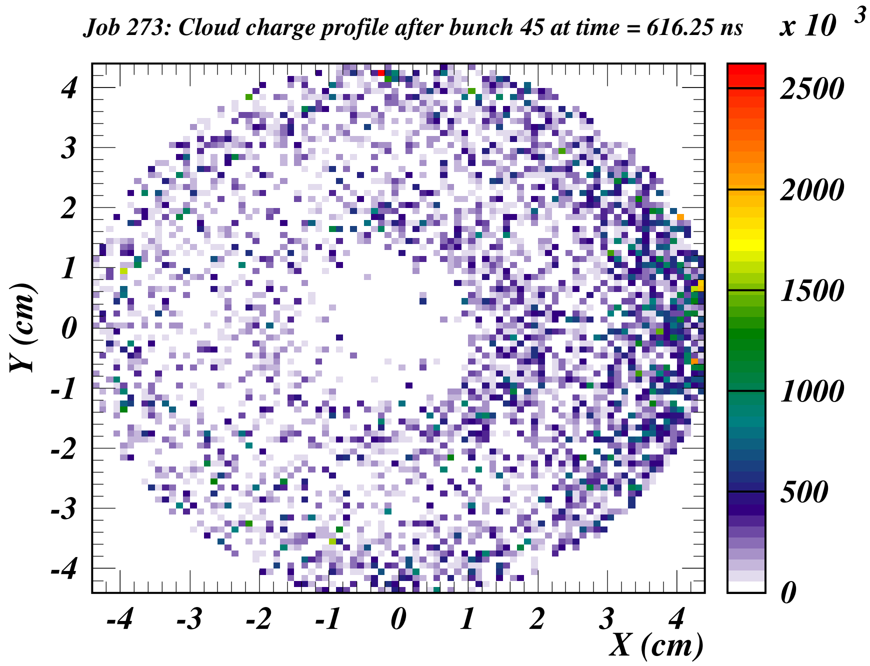
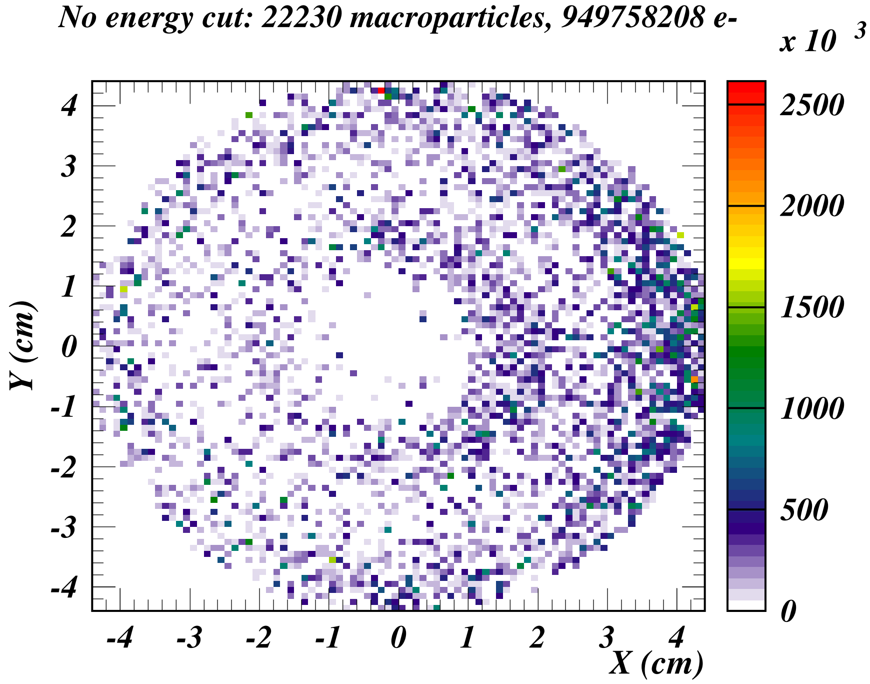
Job 273: Cloud charge profile after bunch 45 at time = 616.25 ns



No energy cut: 22230 macroparticles, 949758208 e-



E_{kin}>10 eV: 19860 macroparticles, 806397056 e-

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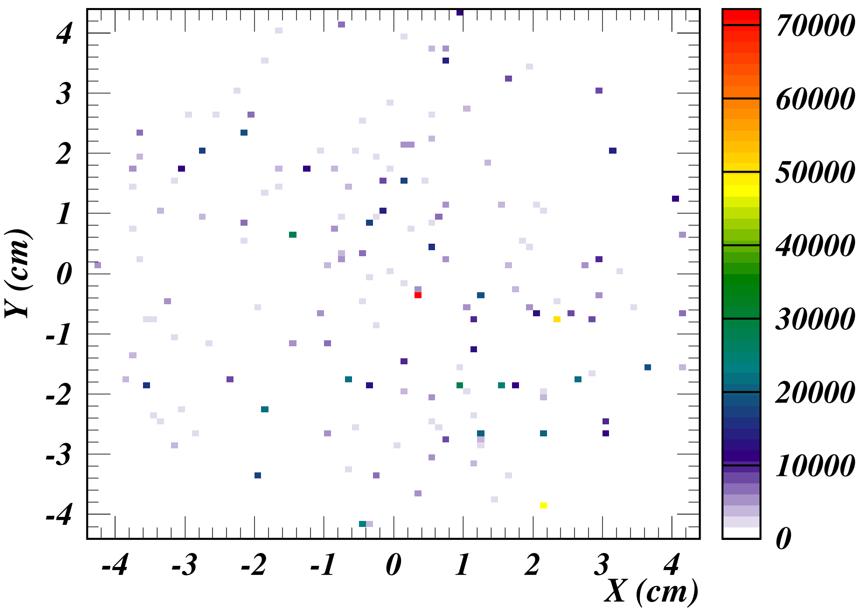
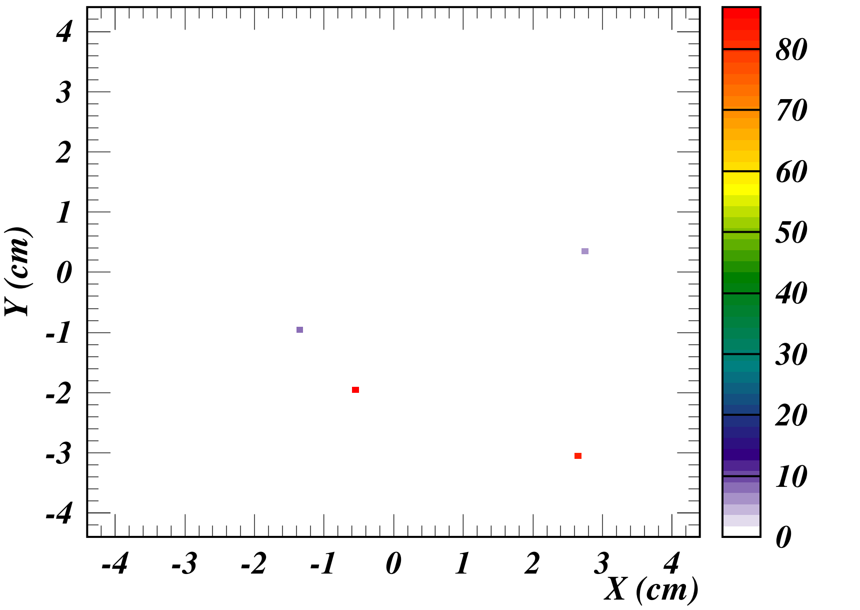
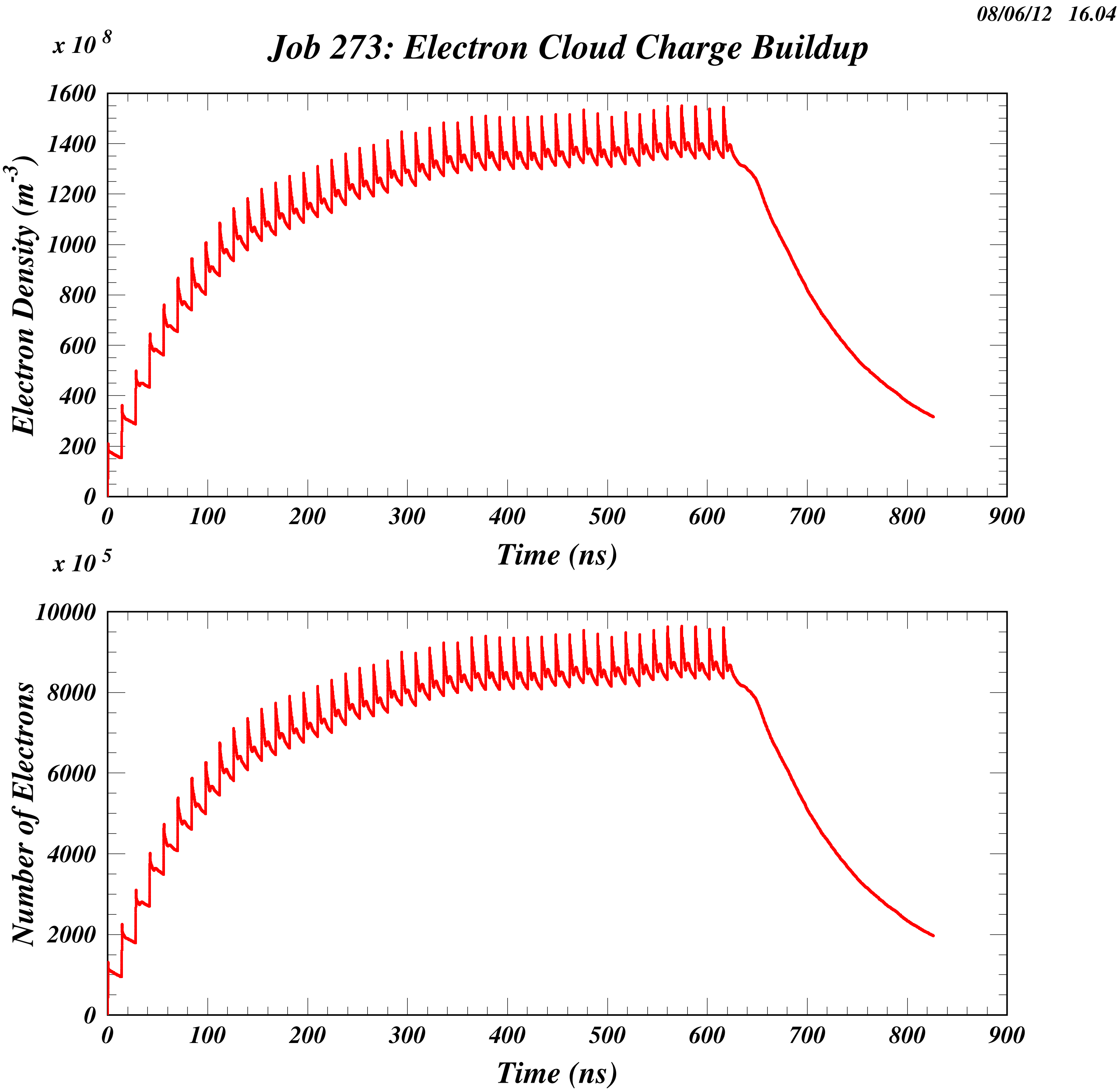
Job 273: Cloud charge profile after bunch 184 at time = 2562 ns



No energy cut: 22230 macroparticles, 1.38394e+06 e-



E_{kin}>10 eV: 98 macroparticles, 183.952 e-



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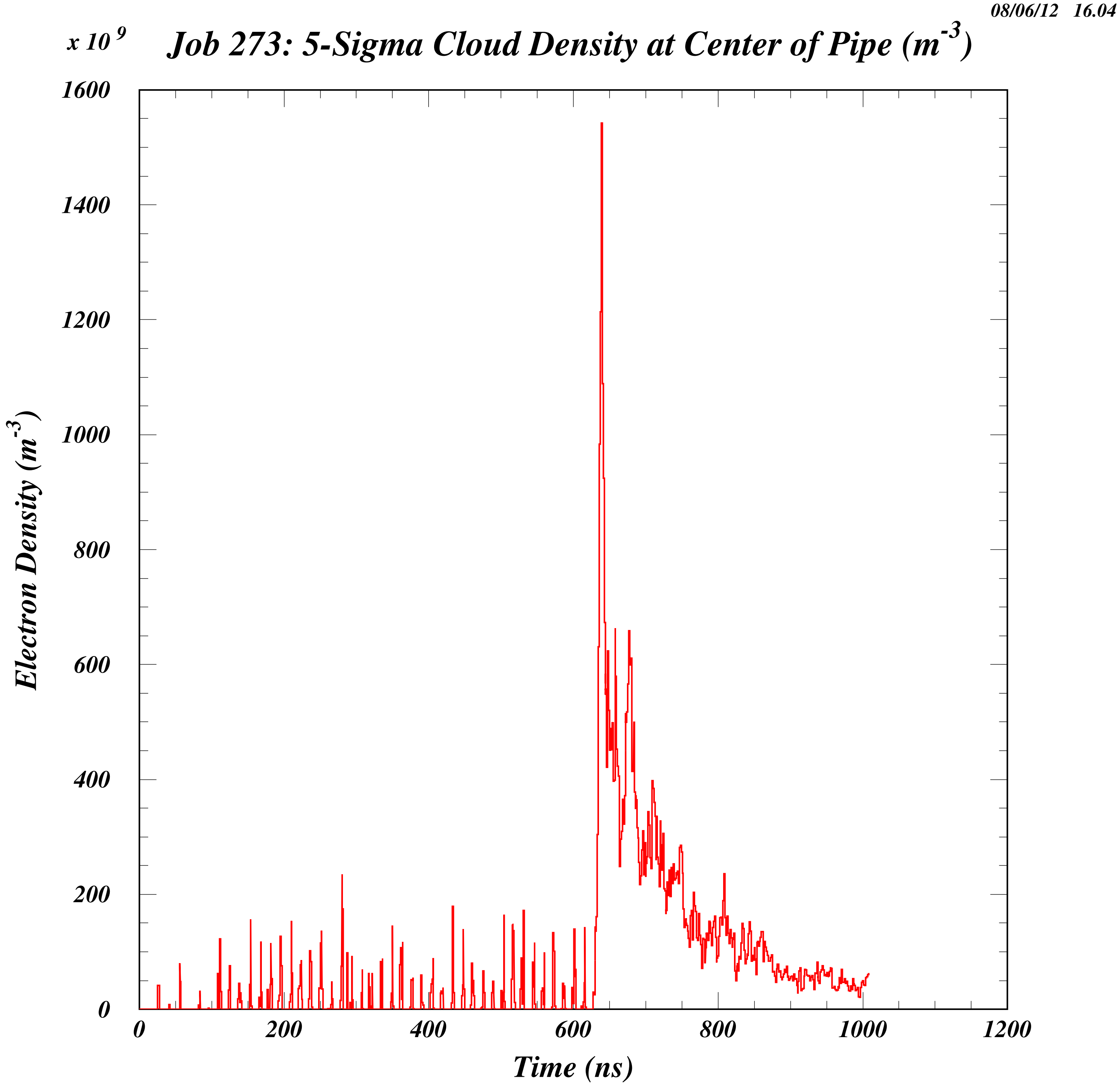
Job 273: Electron Cloud Charge Buildup
x 10^8
Electron Density (m^-3)
0
200
400
600
800
1000
1200
1400
1600
0
100
200
300
400
500
600
700
800
900
Time (ns)
x 10^5
Number of Electrons
0
2000
4000
6000
8000
10000
0
100
200
300
400
500
600
700
800
900
Time (ns)



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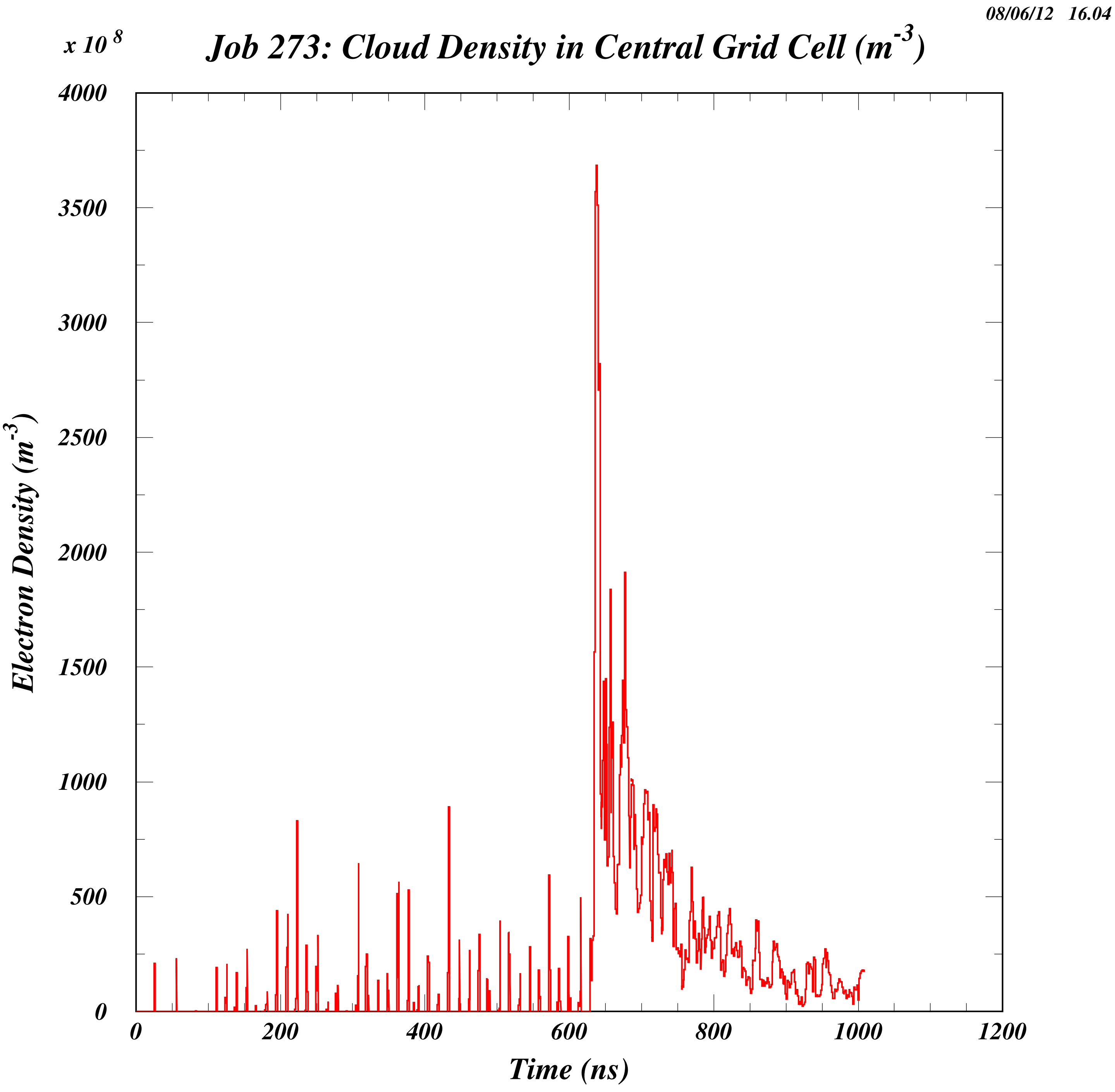
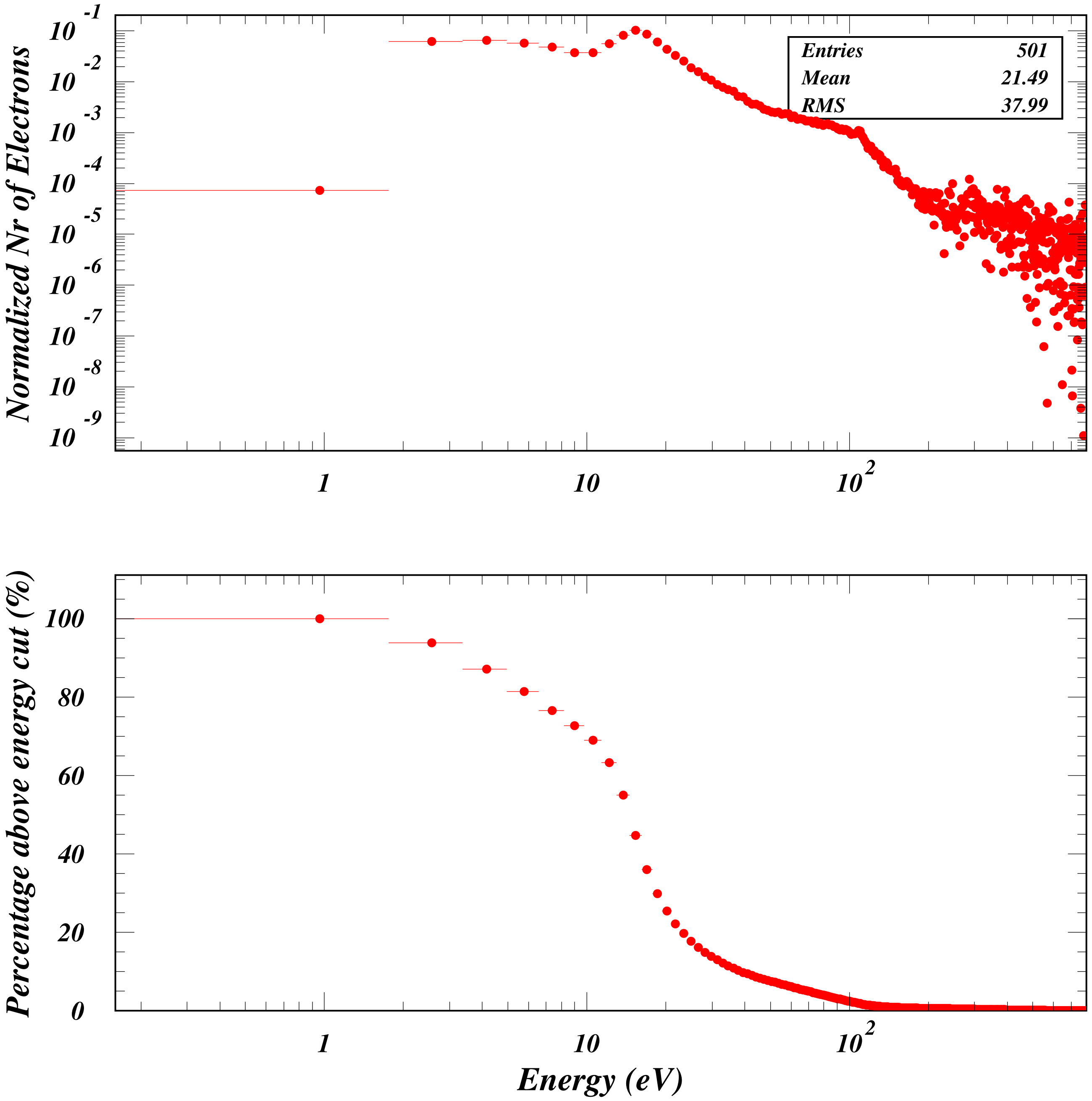
x 10^9
Job 273: 5-Sigma Cloud Density at Center of Pipe (m^-3)
Electron Density (m^-3)
1600
1400
1200
1000
800
600
400
200
0
0
200
400
600
800
1000
1200
Time (ns)

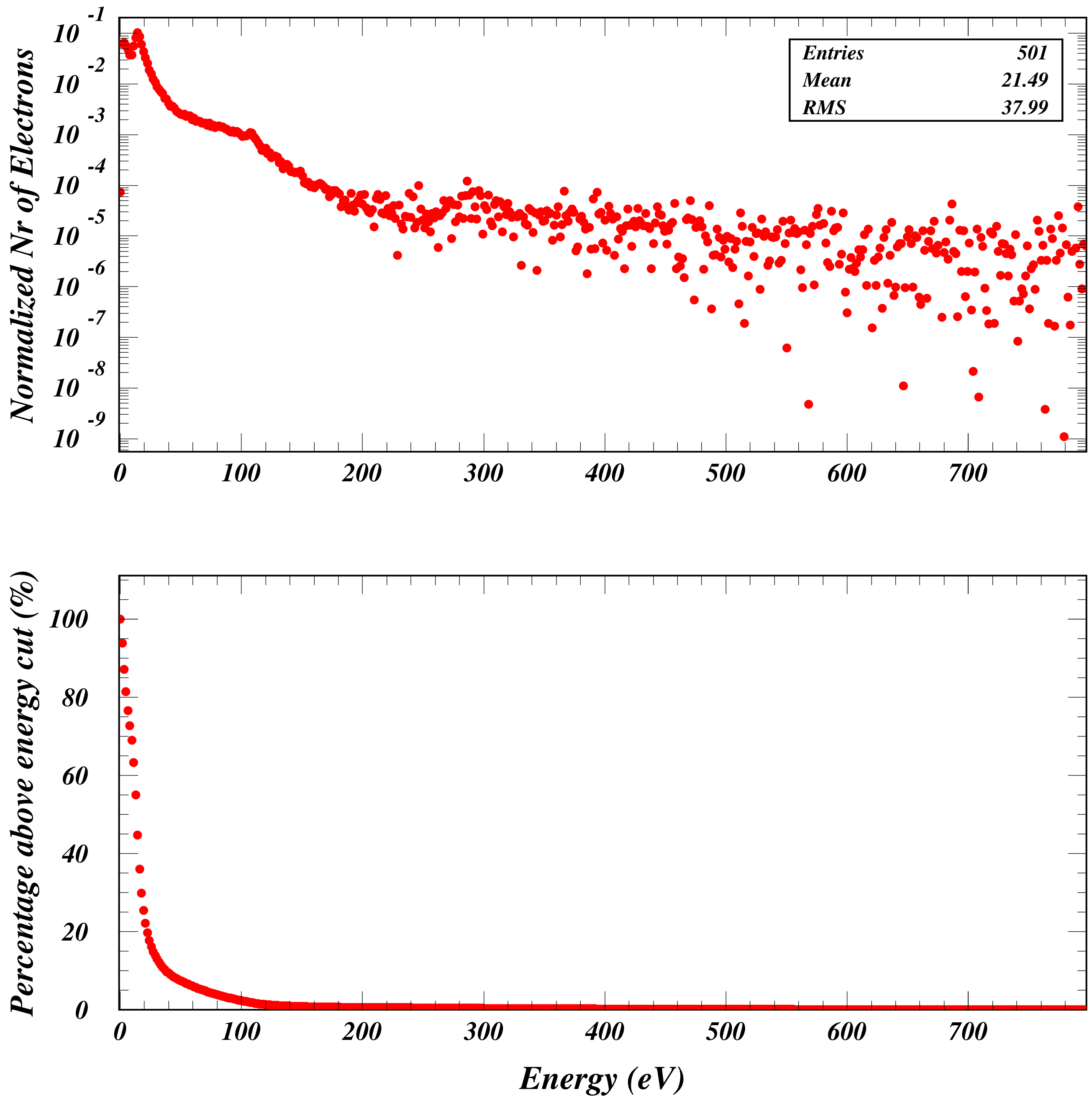

08/06/12 16.04
x 10 8
Job 273: Cloud Density in Central Grid Cell (m^{-3})
Electron Density (m^{-3})
Time (ns)
4000
3500
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

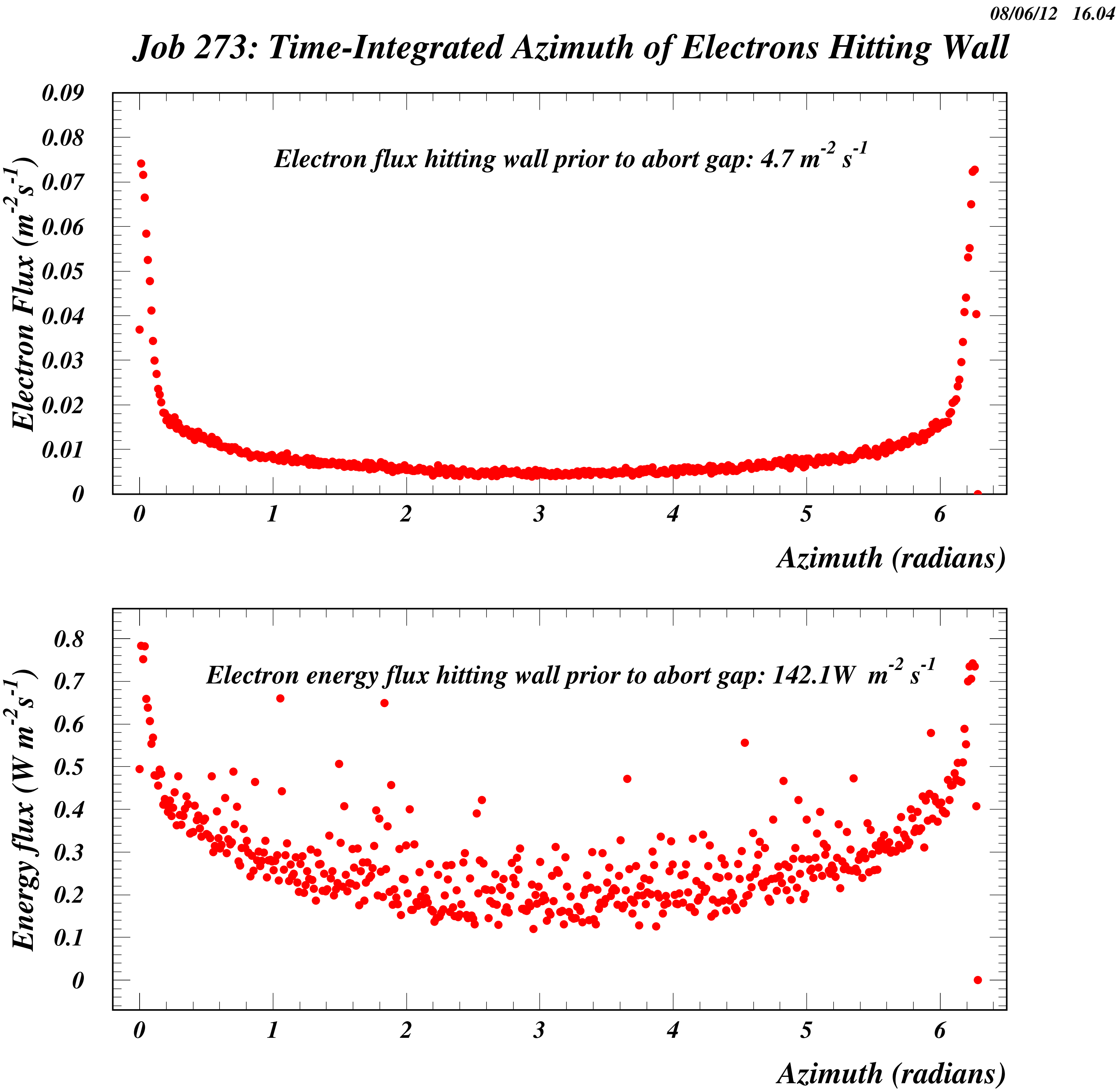
Job 273: Time-Integrated Energies of Electrons Hitting Wall



08/06/12 16.04

Job 273: Time-Integrated Energies of Electrons Hitting Wall




08/06/12 16.04
Job 273: Time-Integrated Azimuth of Electrons Hitting Wall
Electron flux hitting wall prior to abort gap: 4.7 m^-2 s^-1
Electron Flux (m^-2 s^-1)
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
1
2
3
4
5
6
Azimuth (radians)
Electron energy flux hitting wall prior to abort gap: 142.1W m^-2 s^-1
Energy flux (W m^-2 s^-1)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
Azimuth (radians)

Job 273: Electric Field at Beam (EFGRAD)