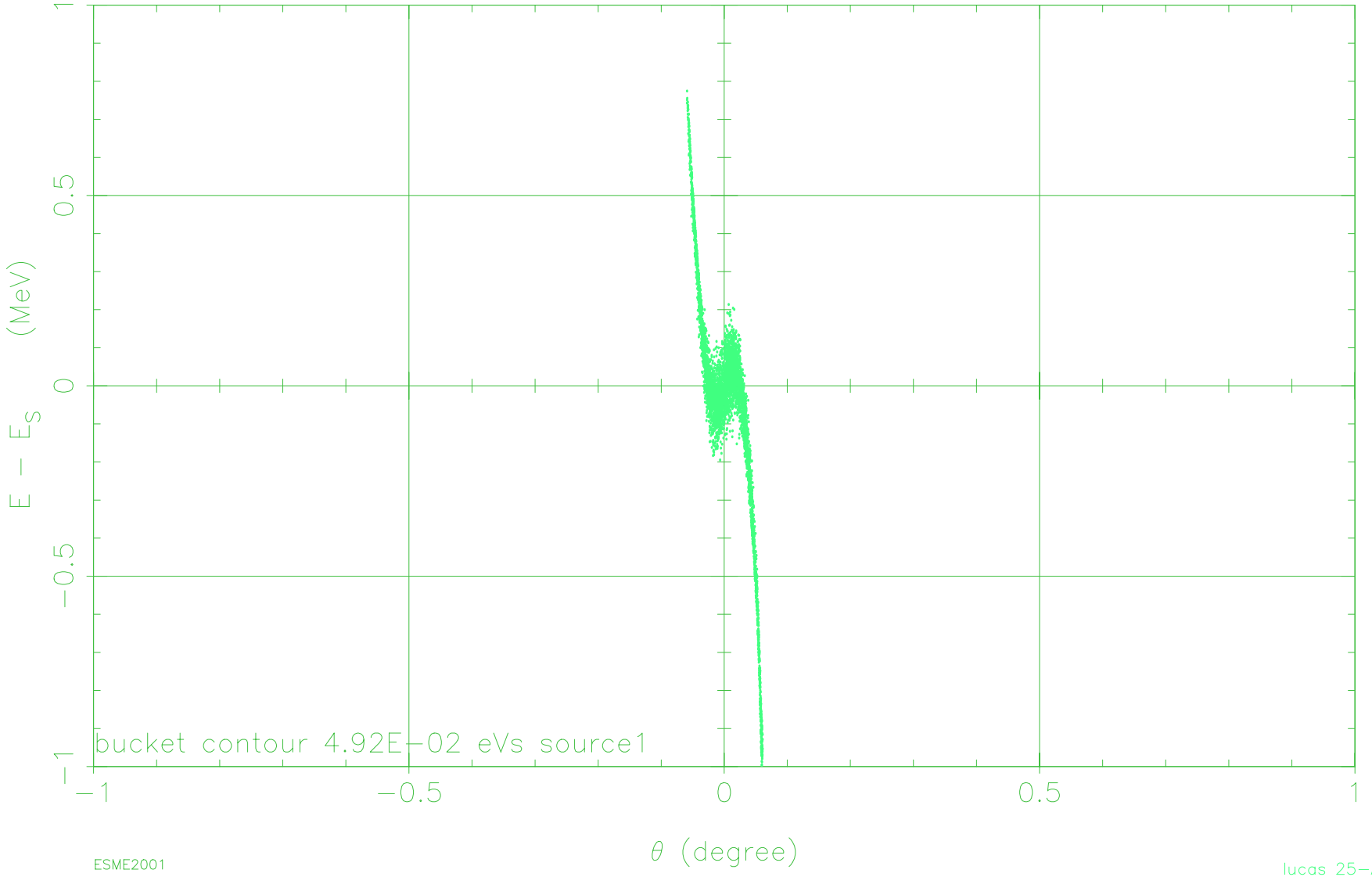
2048 Spoace Charge Bins

Iter 0 0.000E+00 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.4943E+00	4.9249E−02	1.3383E+03	84	2.000E−01	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
4.2415E−02	−8.1068E+02	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	9.9684E−05	1999753			



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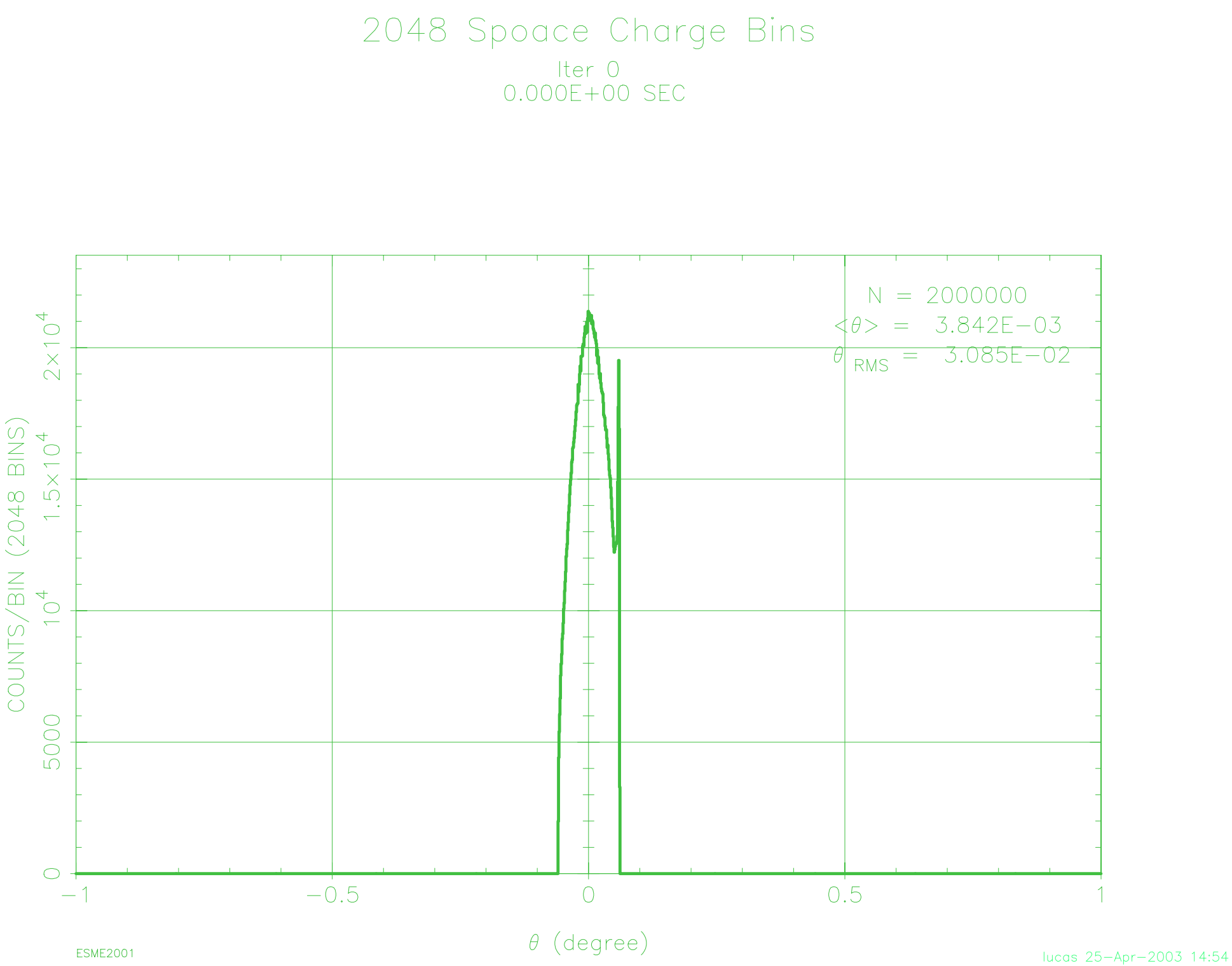
2048 Spoace Charge Bins
Iter 0
0.000E+00 SEC
N = 2000000
<θ> = 3.842E−03
θ RMS = 3.085E−02
COUNTS/BIN (2048 BINS)
0
5000
10^4
1.5×10^4
2×10^4
−1
−0.5
0
0.5
1
θ (degree)
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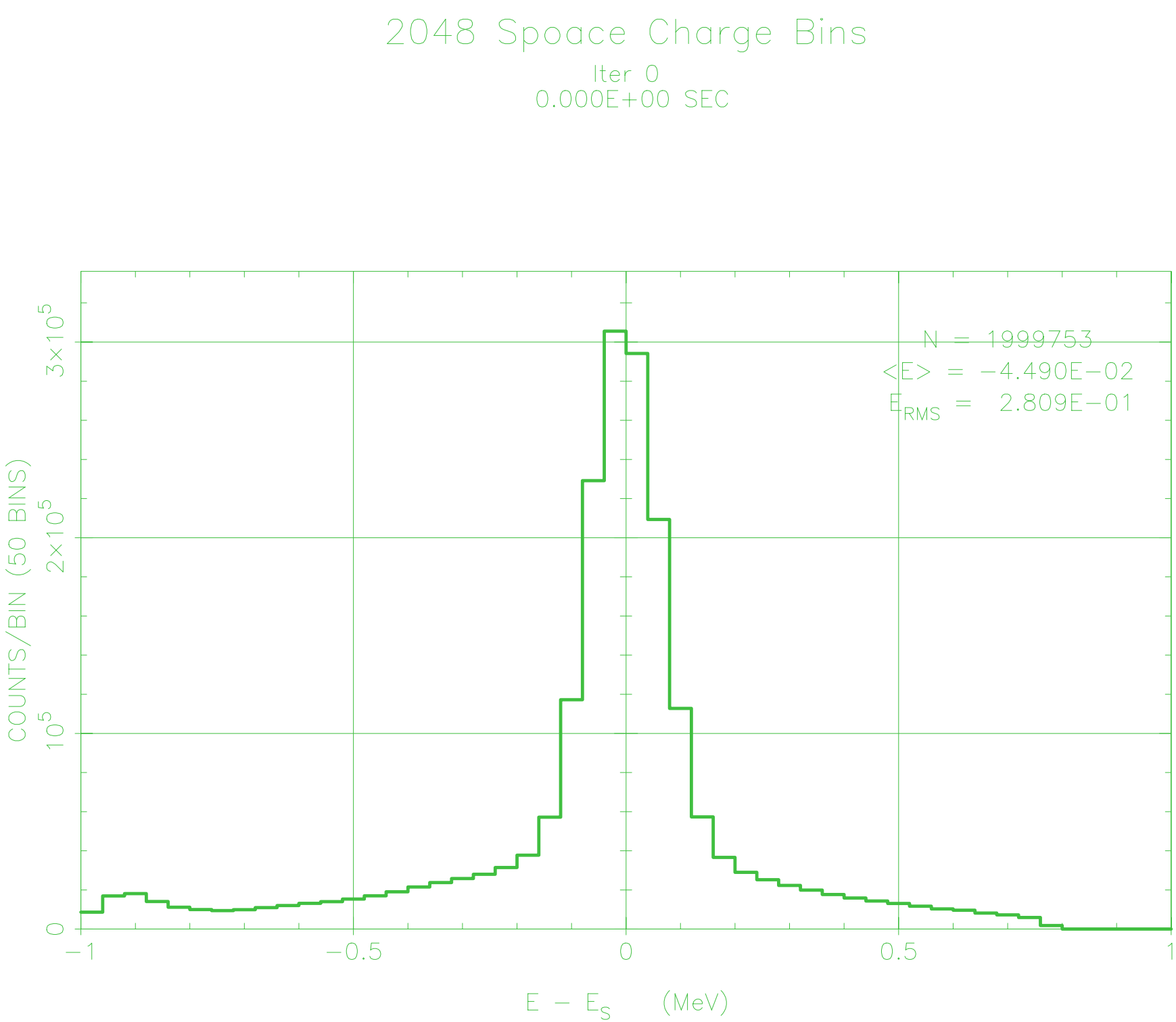
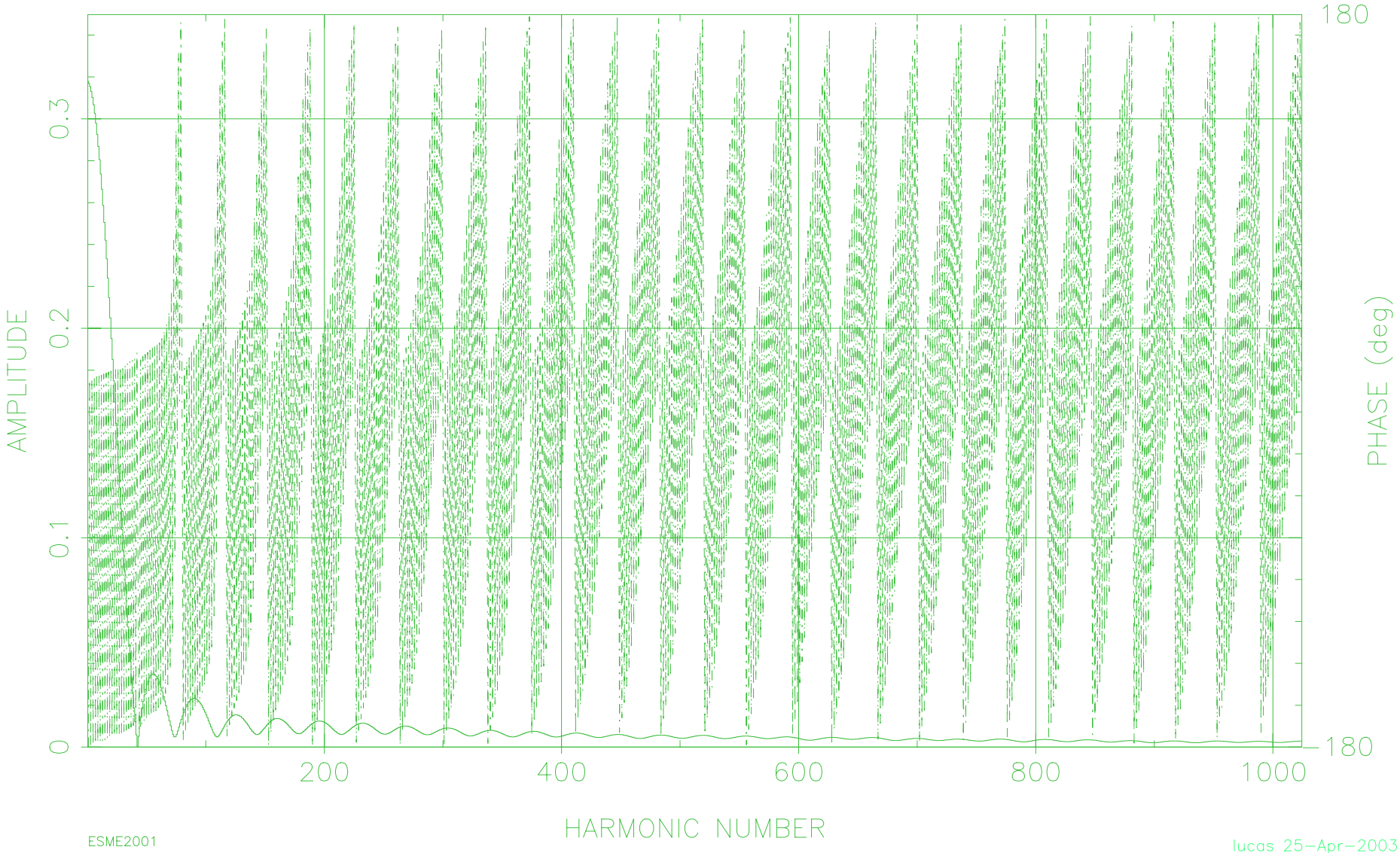

2048 Spoace Charge Bins
Iter 0
0.000E+00 SEC
N = 1999753
<E> = −4.490E−02
E_RMS = 2.809E−01
COUNTS/BIN (50 BINS)
3×10^5
2×10^5
10^5
0
−1
−0.5
0
0.5
1
E − E_S (MeV)


2048 Spoace Charge Bins
Iter 0
0.000E+00 SEC
AMPLITUDE
0
0.1
0.2
0.3
PHASE (deg)
180
-180
200
400
600
800
1000
HARMONIC NUMBER
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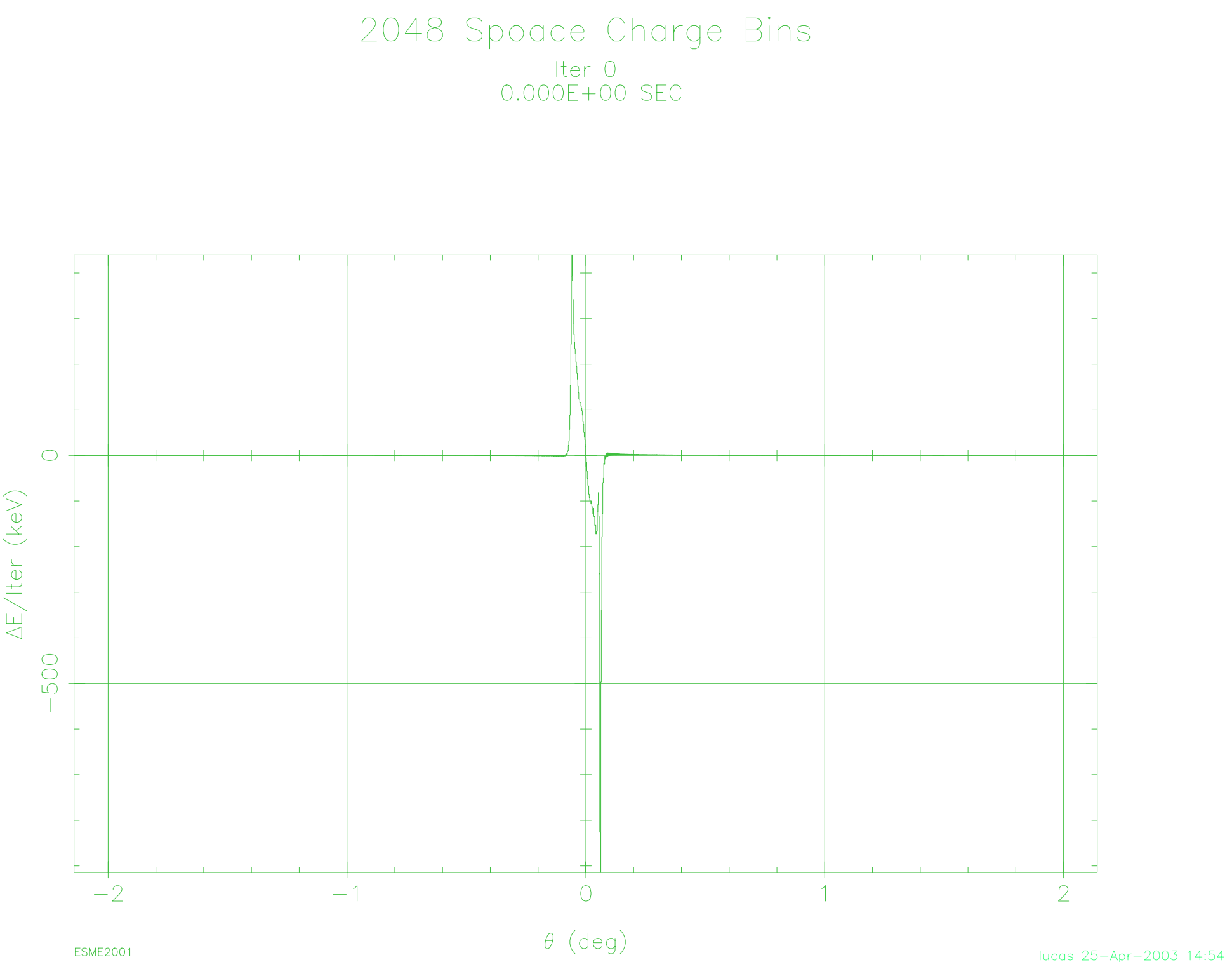
2048 Spoace Charge Bins
Iter 0
0.000E+00 SEC
ΔE/Iter (keV)
0
−500
−2
−1
0
1
2
θ (deg)
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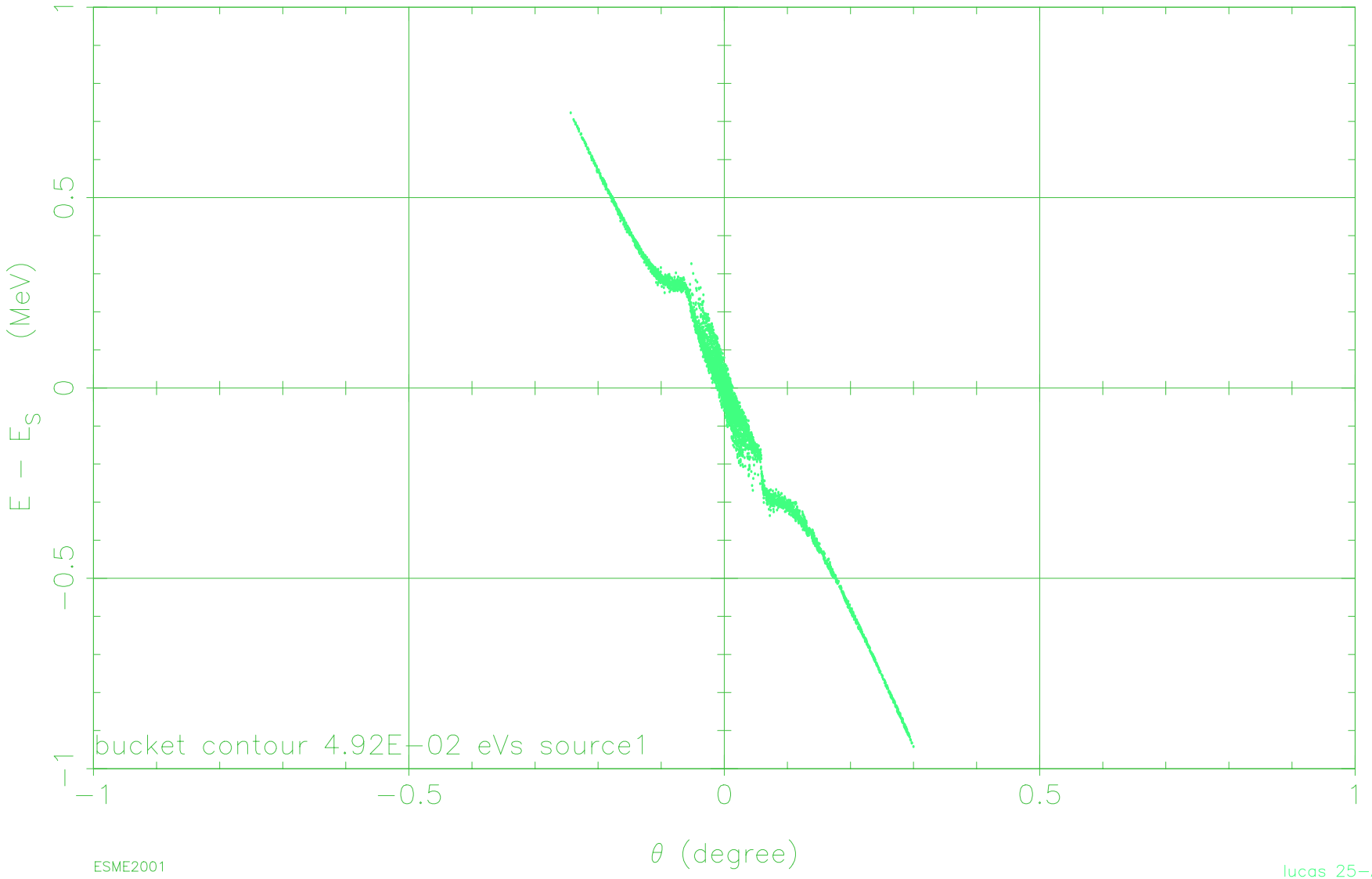
2048 Spoace Charge Bins

Iter 1 2.218E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.4945E+00	4.9247E−02	1.3383E+03	84	2.000E−01	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
4.2415E−02	0.0000E+00	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	7.6941E−05	2000000			



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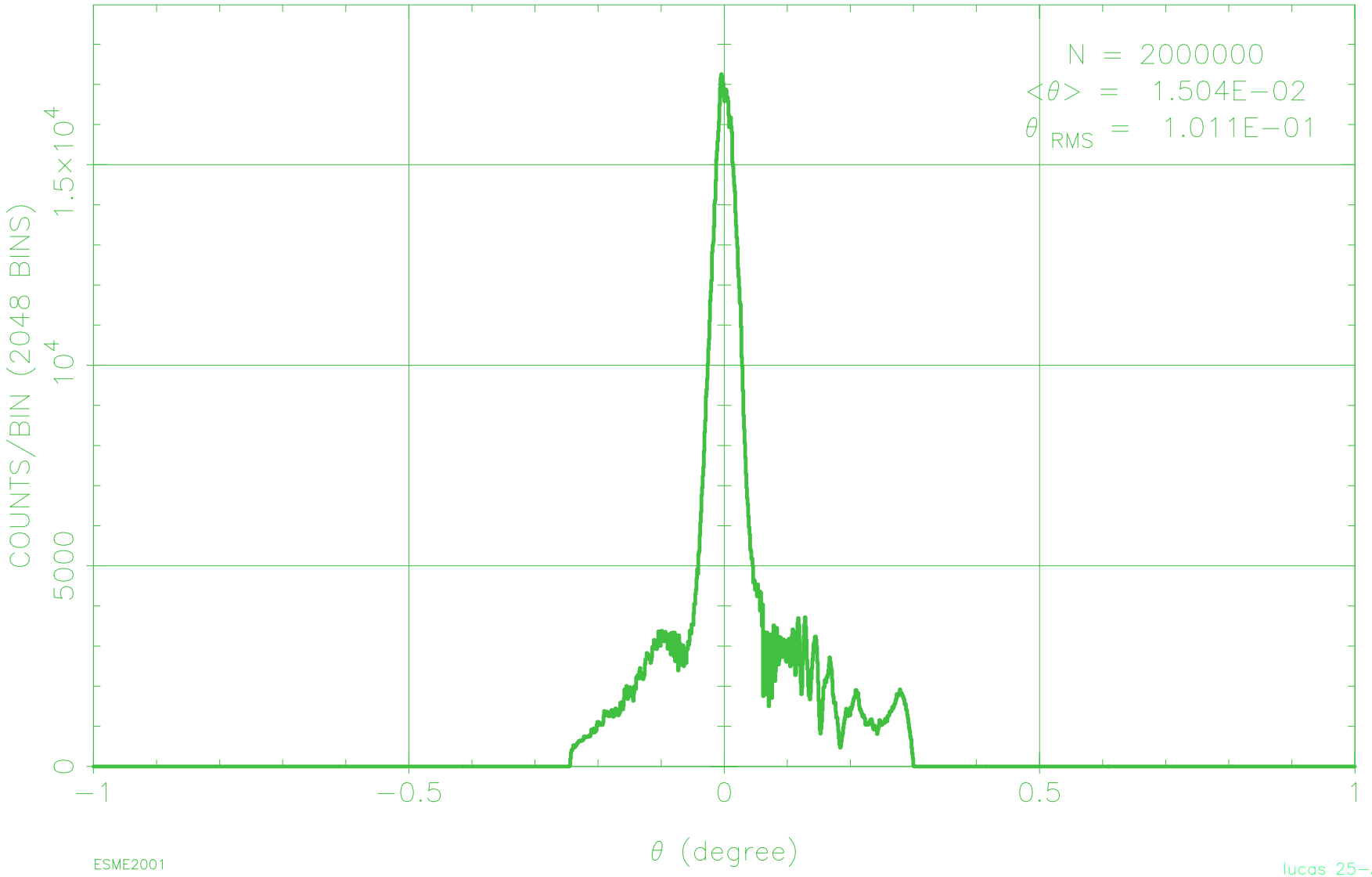
2048 Spoace Charge Bins

Iter 1
2.218E−06 SEC



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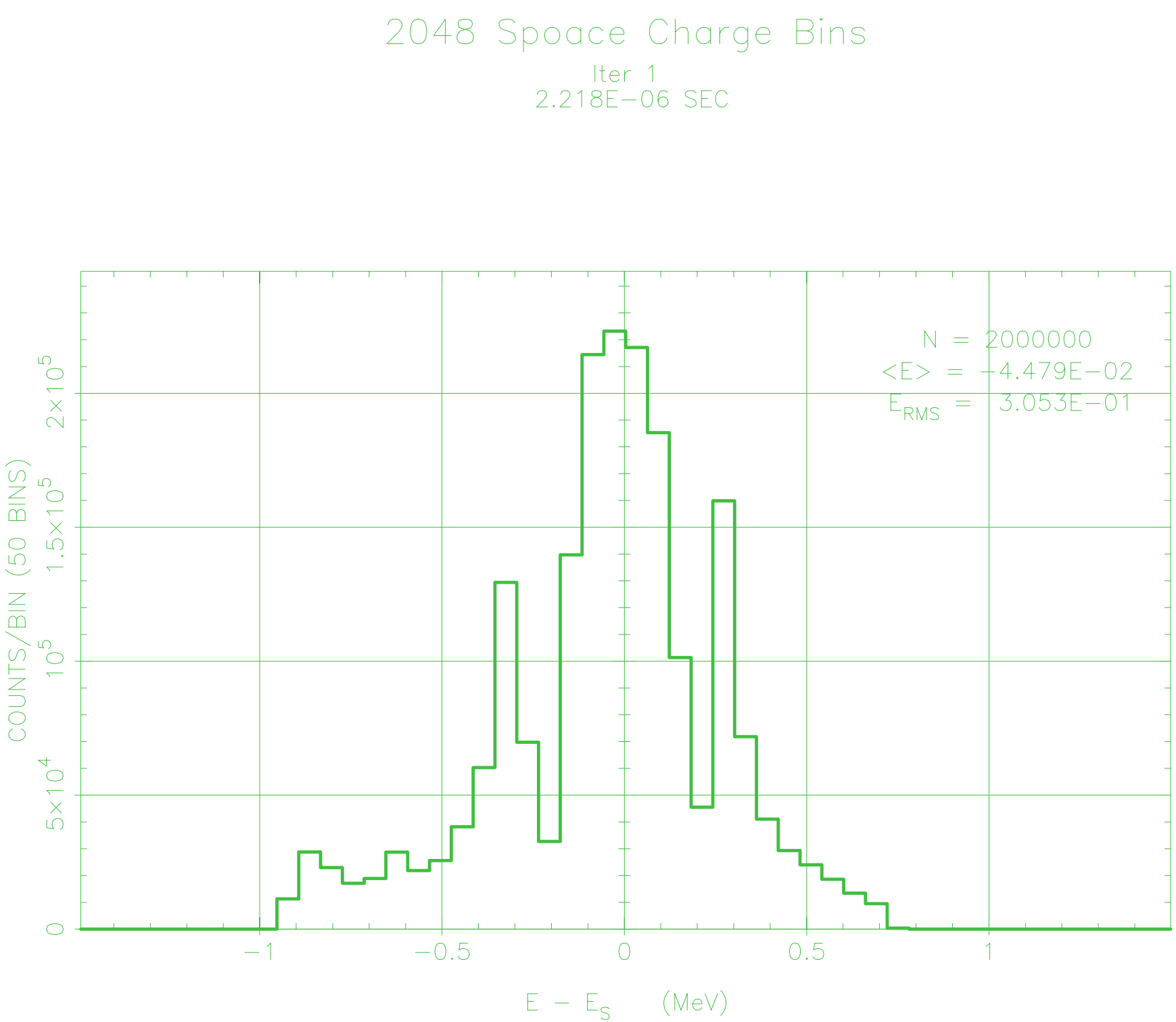
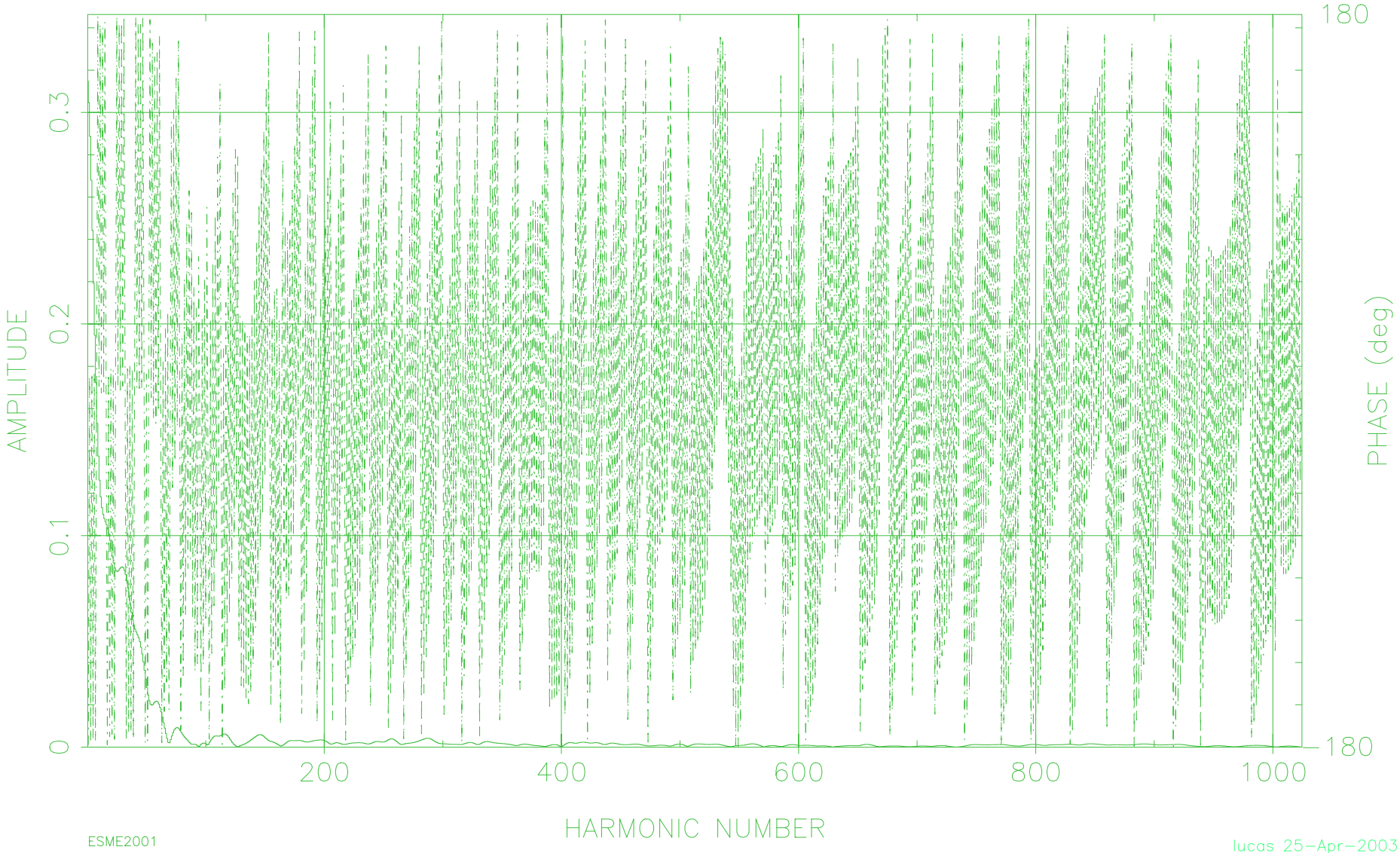

2048 Spoace Charge Bins
Iter 1
2.218E−06 SEC
N = 2000000
<E> = −4.479E−02
E_RMS = 3.053E−01
COUNTS/BIN (50 BINS)
0
5×10^4
10^5
1.5×10^5
2×10^5
−1
−0.5
0
0.5
1
E − E_S (MeV)


2048 Spoace Charge Bins
Iter 1
2.218E-06 SEC
AMPLITUDE
0
0.1
0.2
0.3
PHASE (deg)
180
180
200
400
600
800
1000
HARMONIC NUMBER
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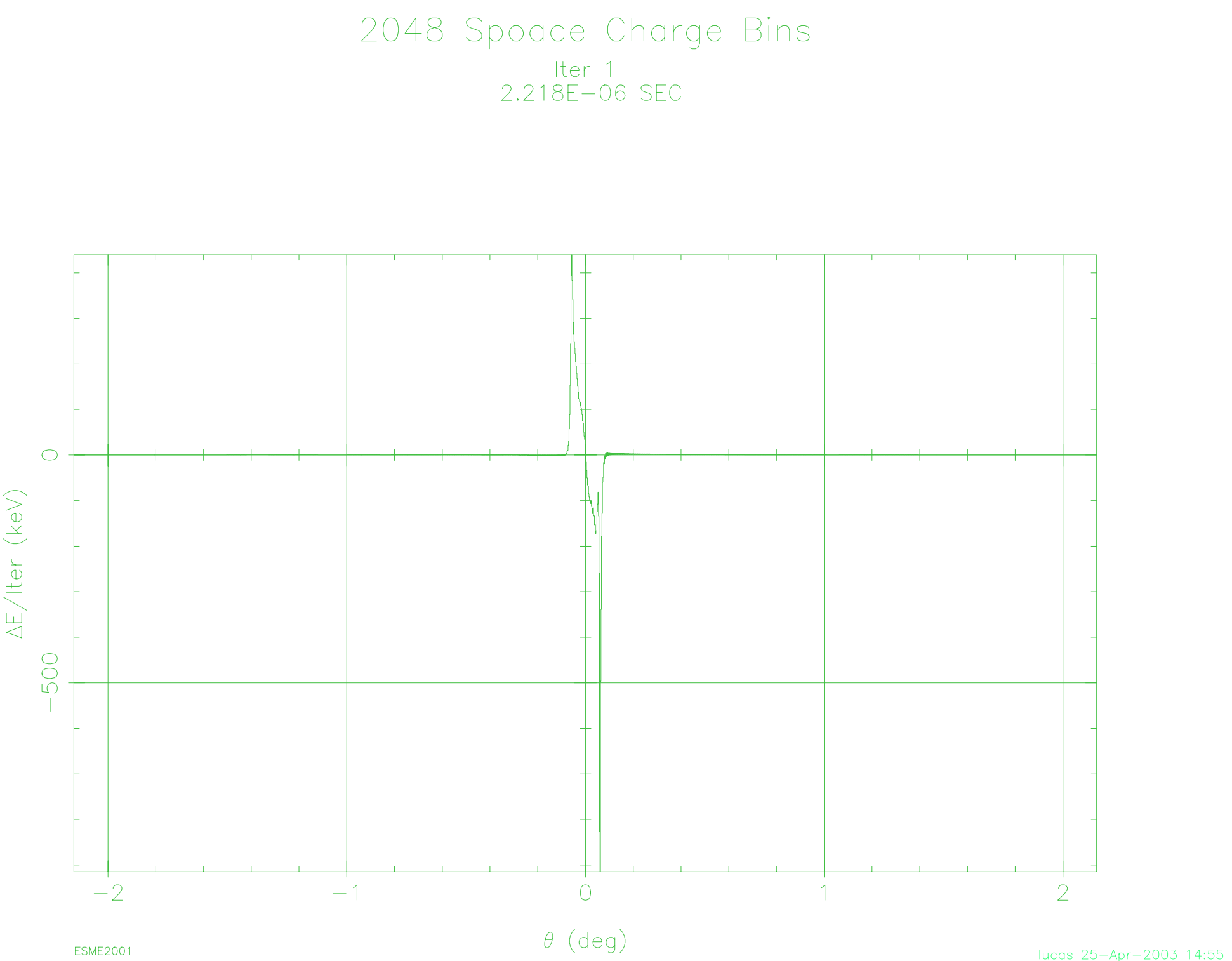
2048 Spoace Charge Bins
Iter 1
2.218E-06 SEC
ΔE/Iter (keV)
0
-500
-2
-1
0
1
2
θ (deg)
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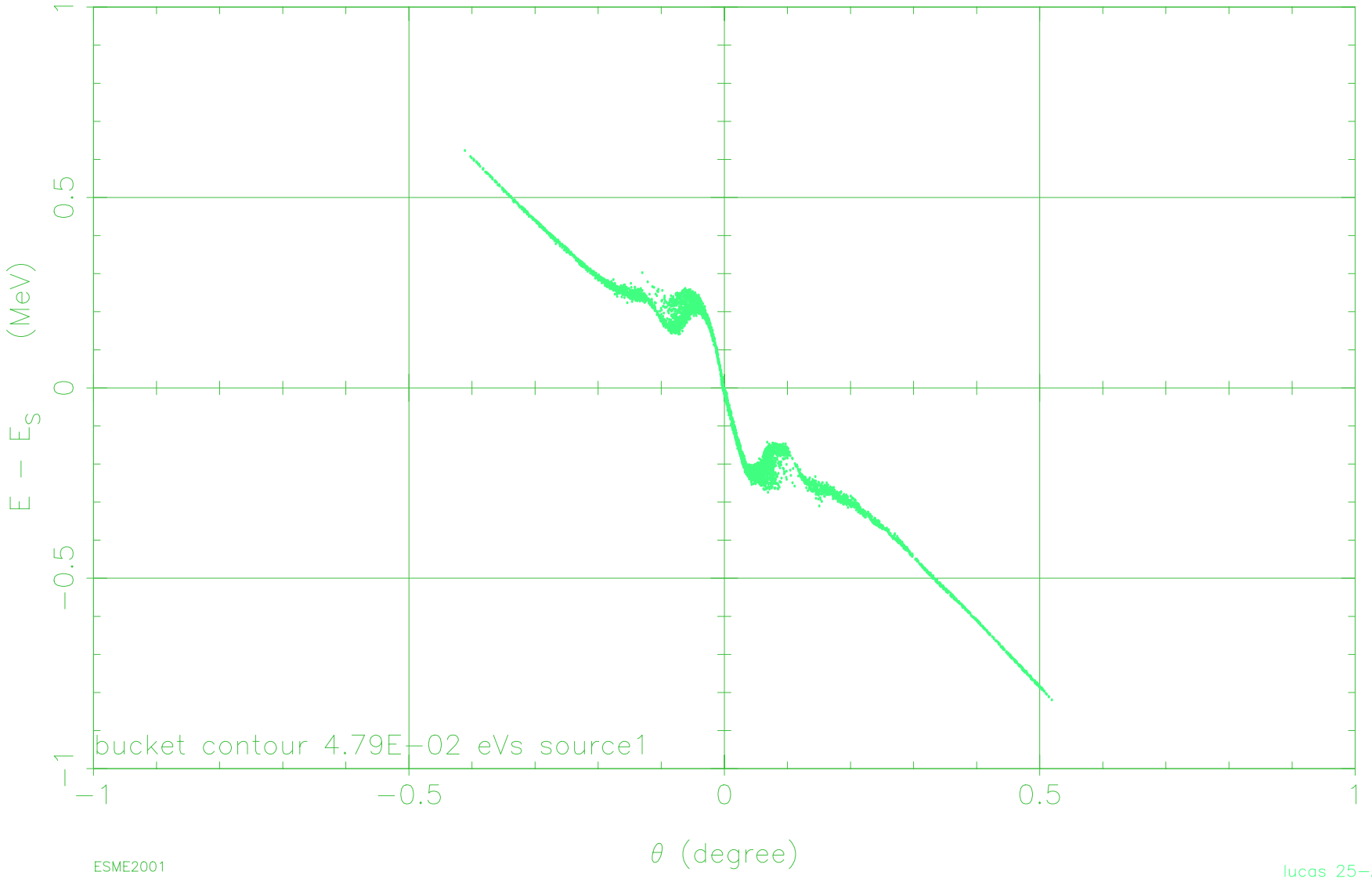
2048 Spoace Charge Bins

Iter 2 4.436E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.4744E+00	4.7934E−02	1.3383E+03	84	2.000E−01	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
4.2415E−02	0.0000E+00	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	2.8429E−04	2000000			



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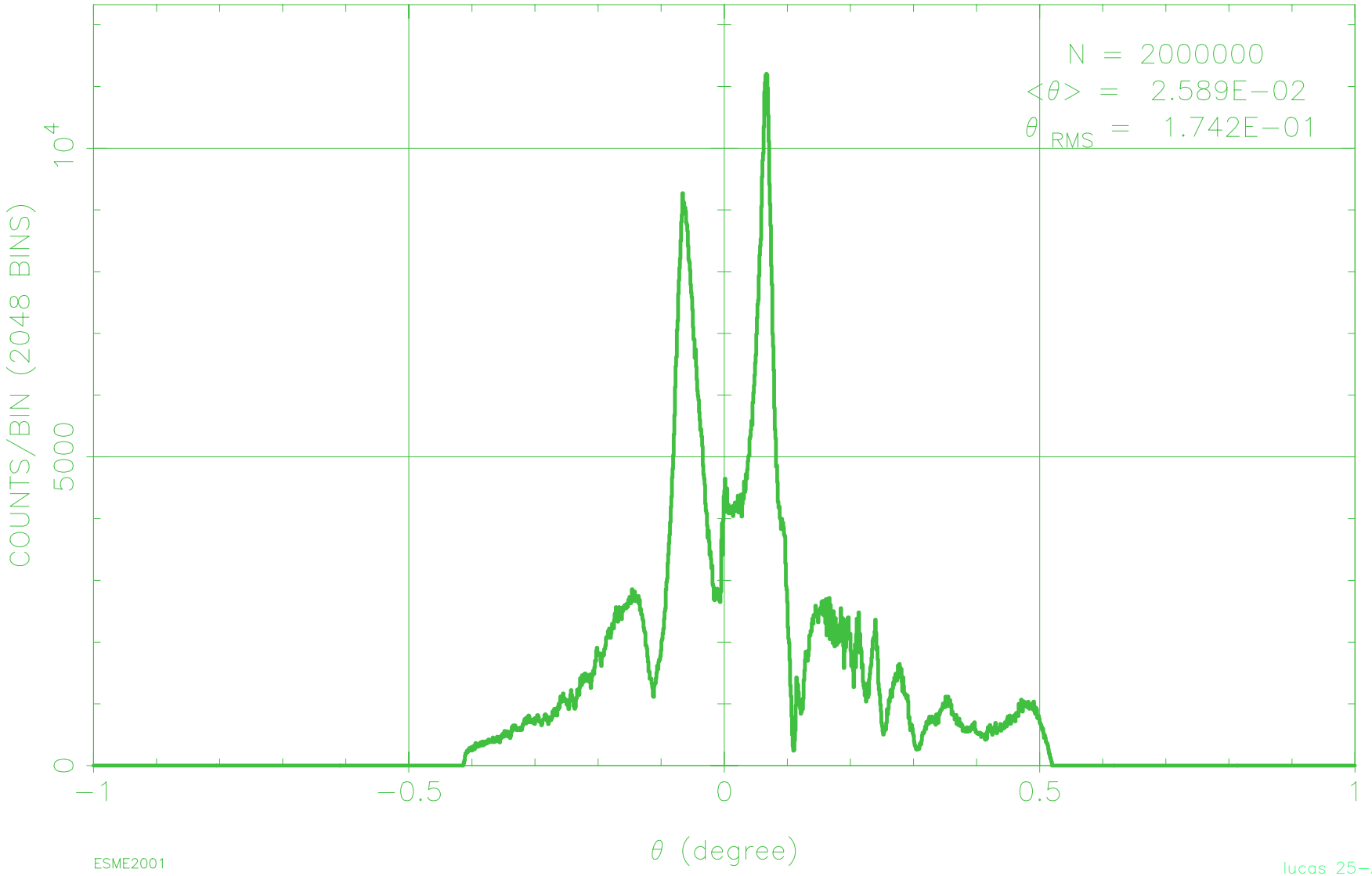
2048 Spoace Charge Bins

Iter 2
4.436E−06 SEC



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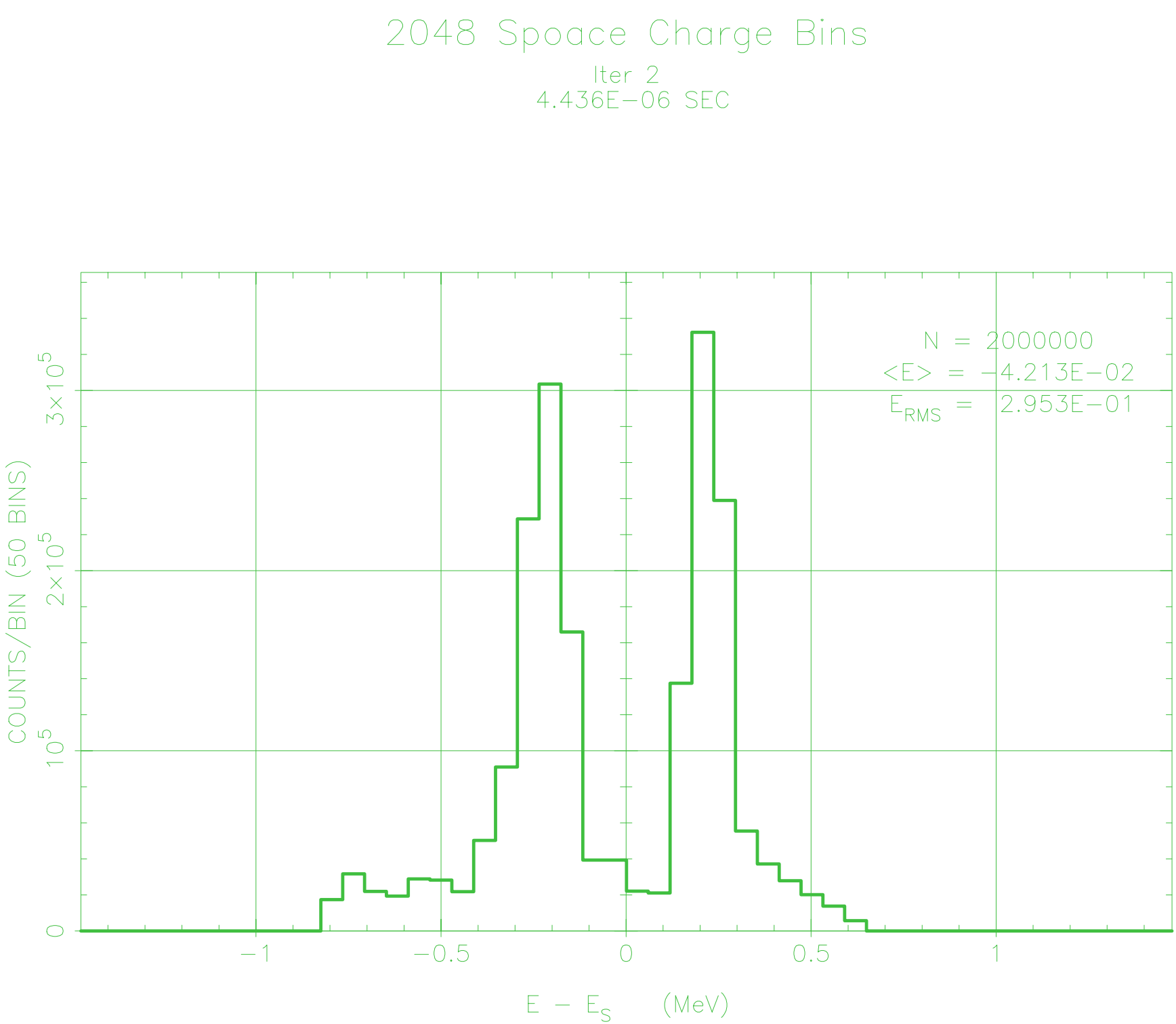
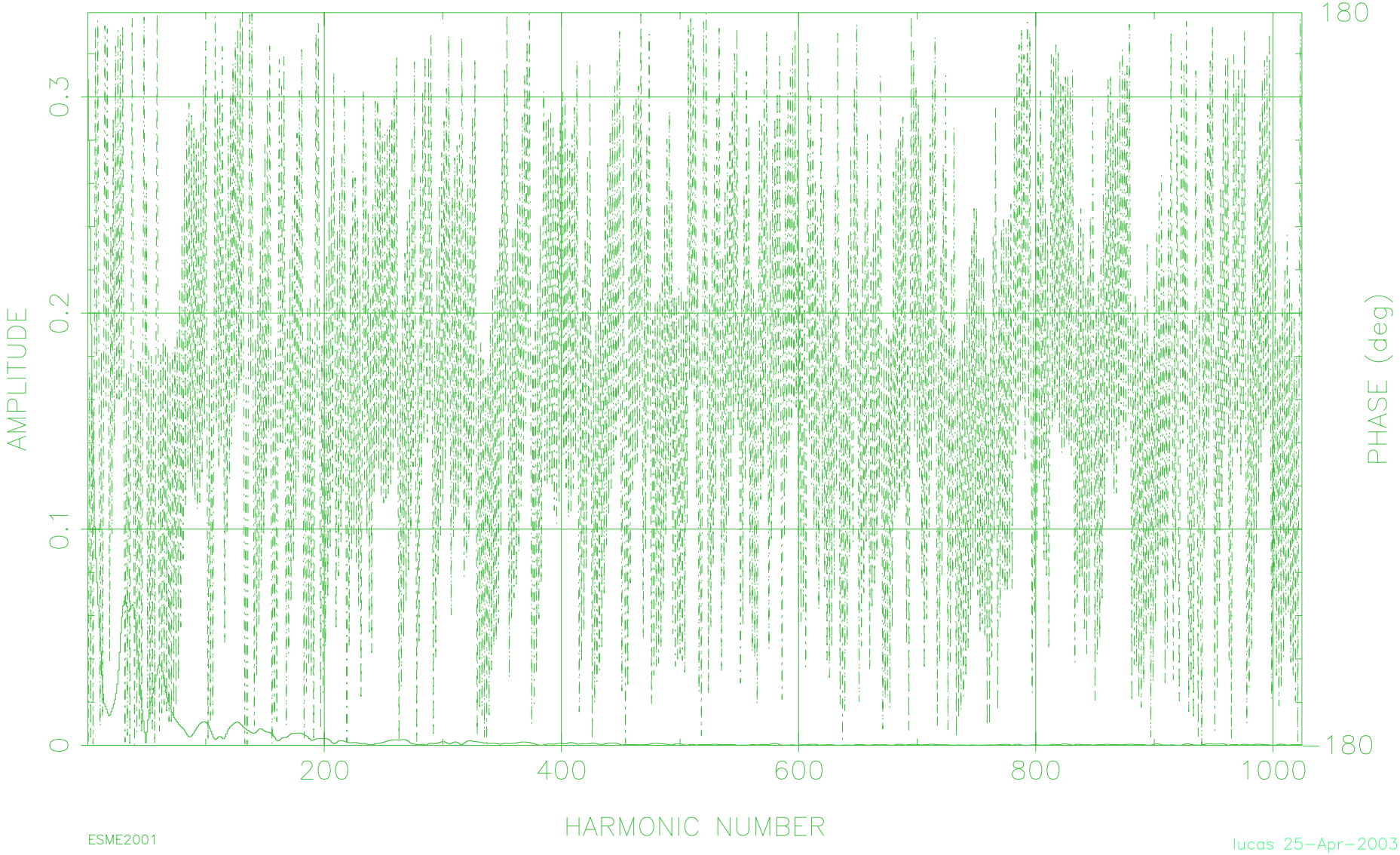

2048 Spoace Charge Bins
Iter 2
4.436E−06 SEC
N = 2000000
<E> = −4.213E−02
E_RMS = 2.953E−01
COUNTS/BIN (50 BINS)
0
10^5
2×10^5
3×10^5
−1
−0.5
0
0.5
1
E − E_S (MeV)

2048 Spoace Charge Bins

Iter 2
4.436E−06 SEC



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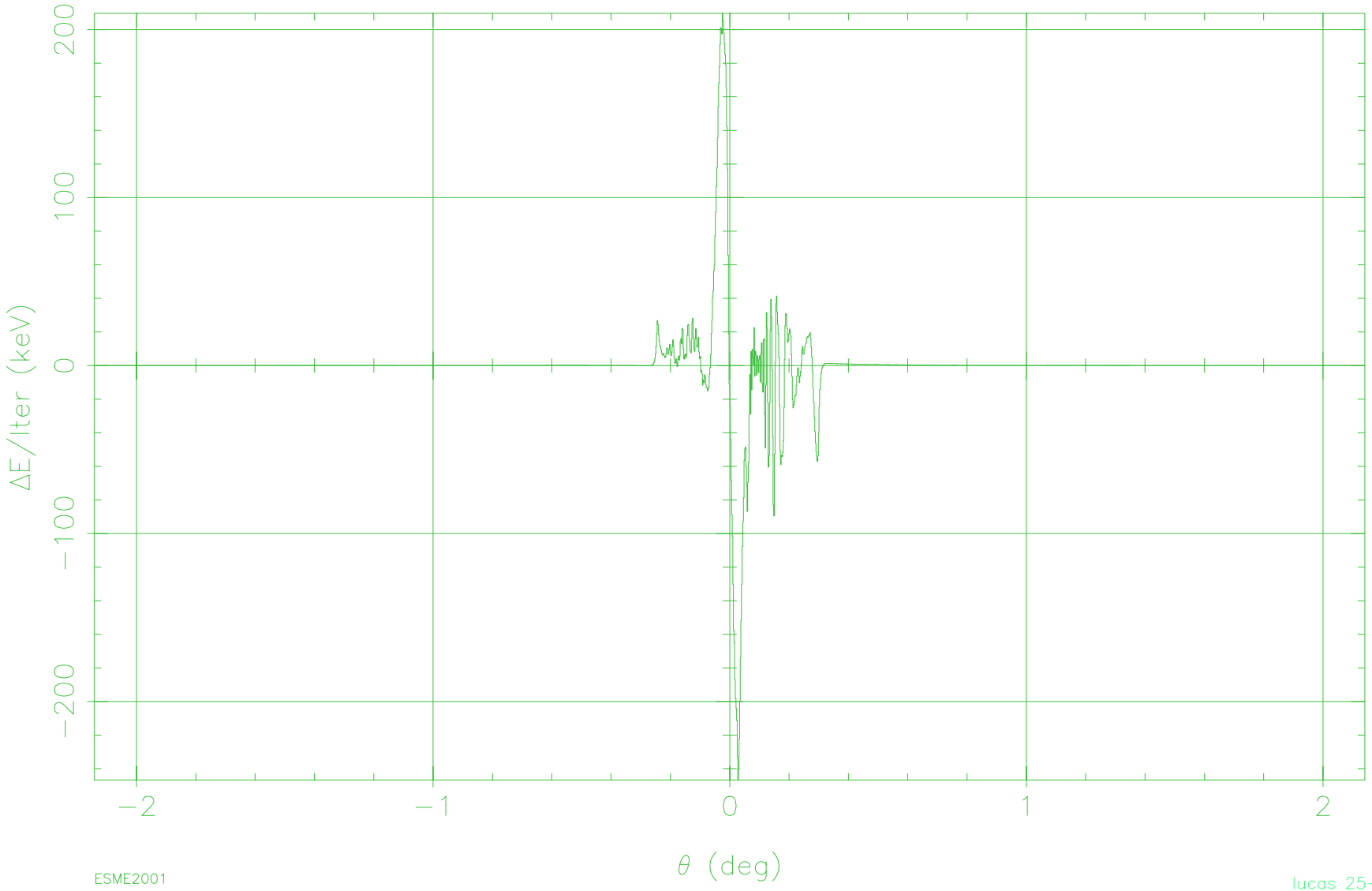
2048 Spoace Charge Bins

Iter 2
4.436E−06 SEC



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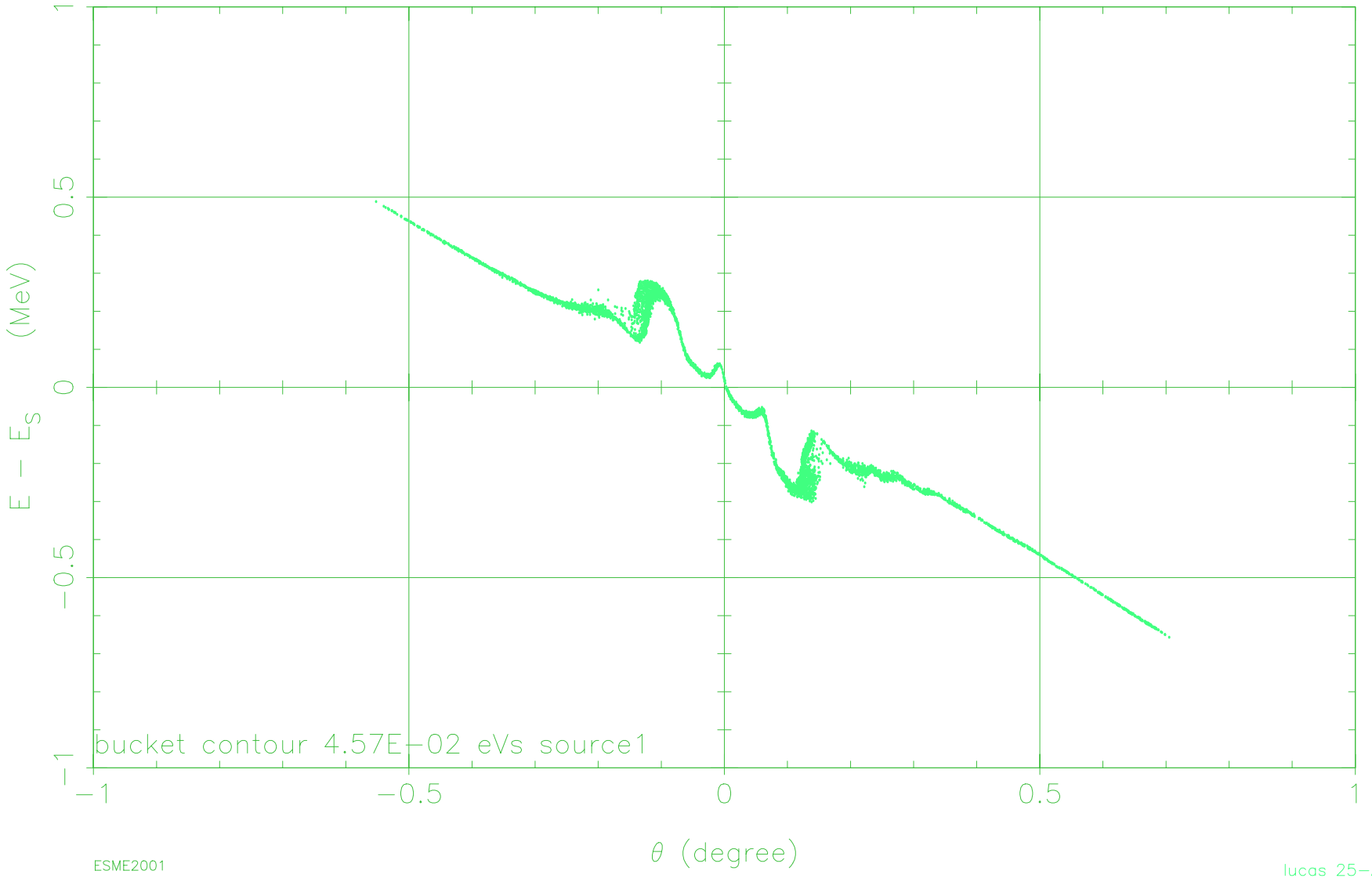
2048 Spoace Charge Bins

Iter 3 6.655E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.4538E+00	4.5675E−02	1.3383E+03	84	2.000E−01	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
4.2415E−02	0.0000E+00	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	3.8103E−04	2000000			



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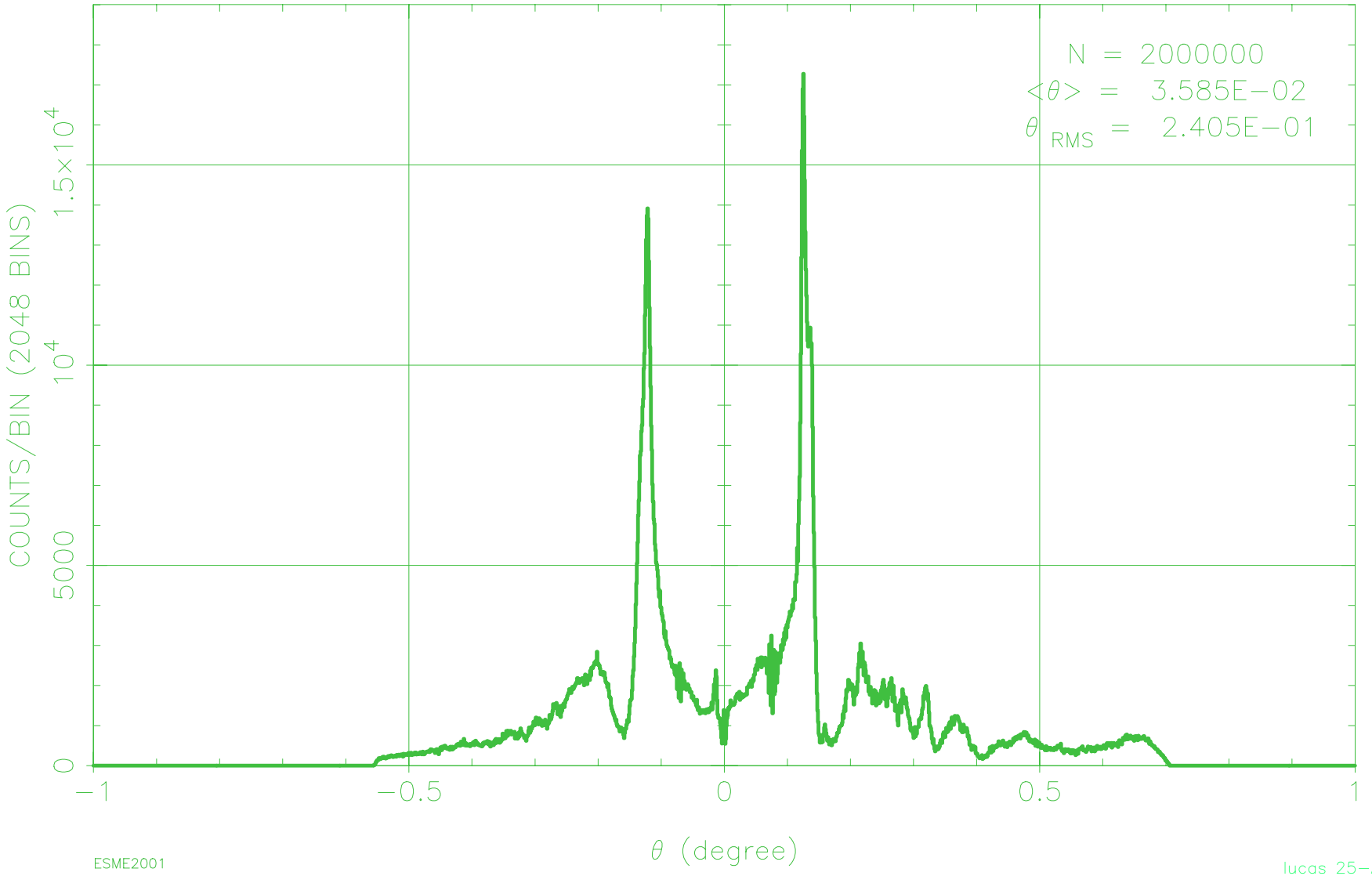
2048 Spoace Charge Bins

Iter 3
6.655E−06 SEC



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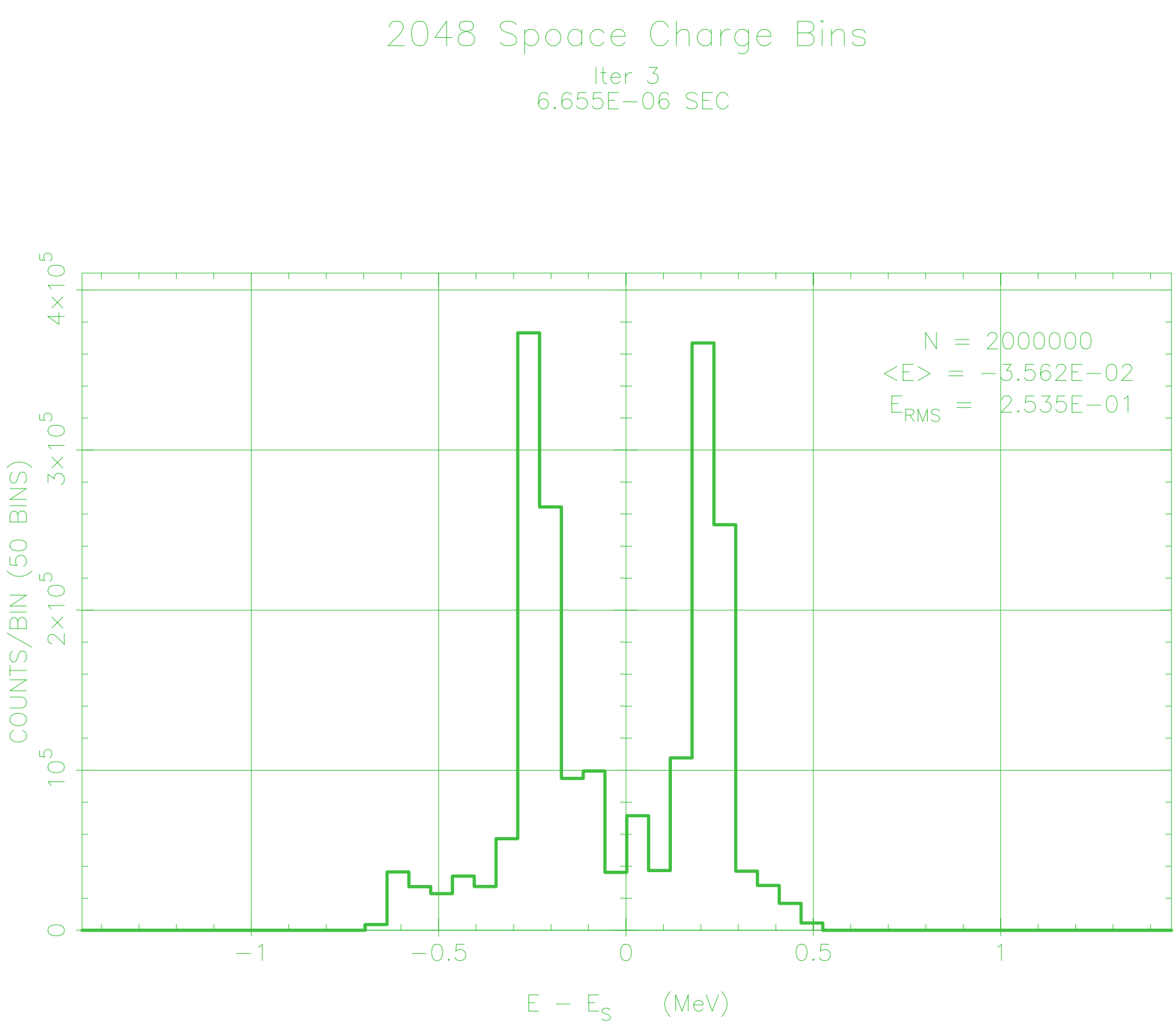
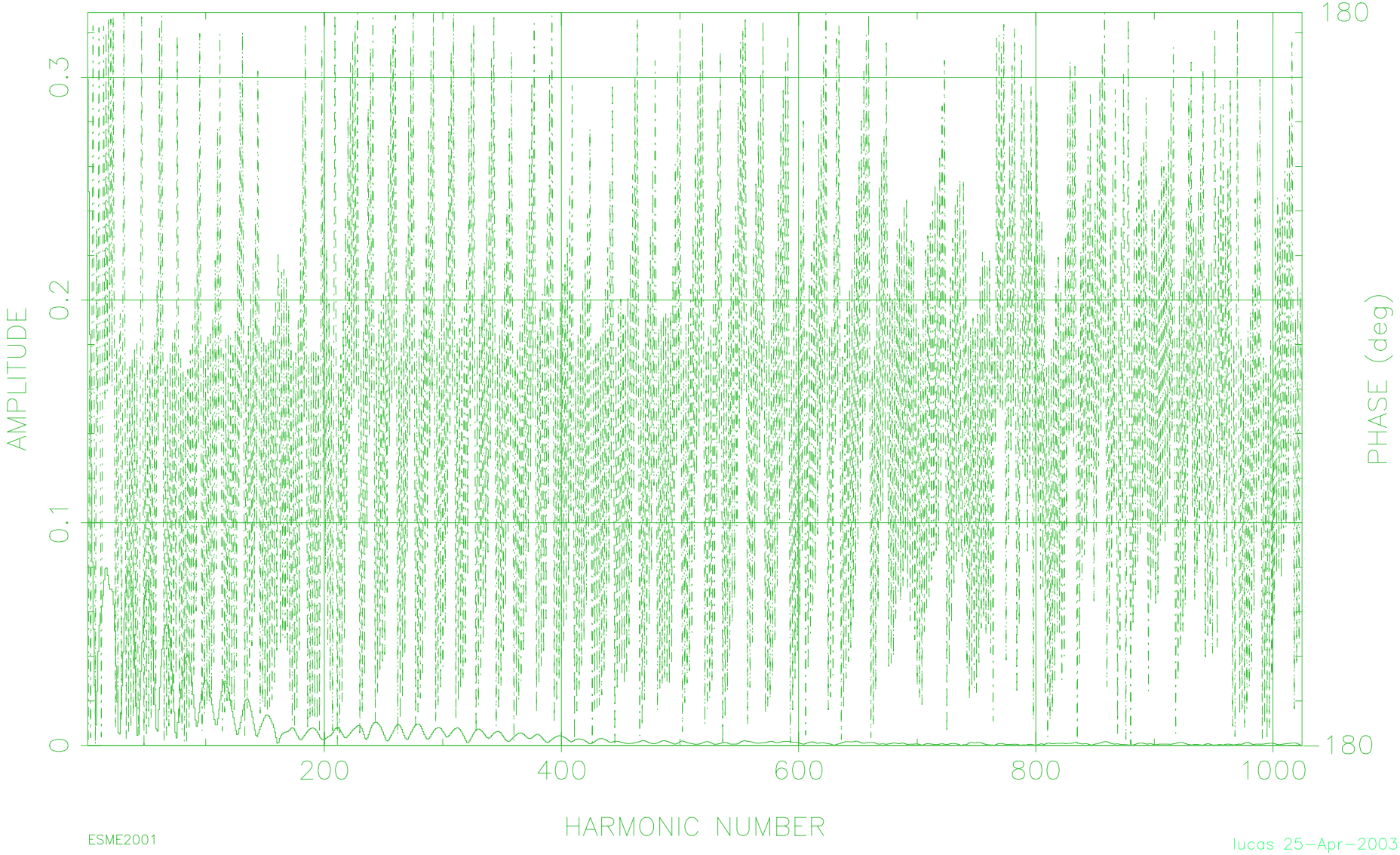

2048 Spoace Charge Bins
Iter 3
6.655E−06 SEC
N = 2000000
<E> = −3.562E−02
E_RMS = 2.535E−01
COUNTS/BIN (50 BINS)
0
10^5
2×10^5
3×10^5
4×10^5
−1
−0.5
0
0.5
1
E − E_S (MeV)

2048 Spoace Charge Bins

Iter 3
6.655E-06 SEC



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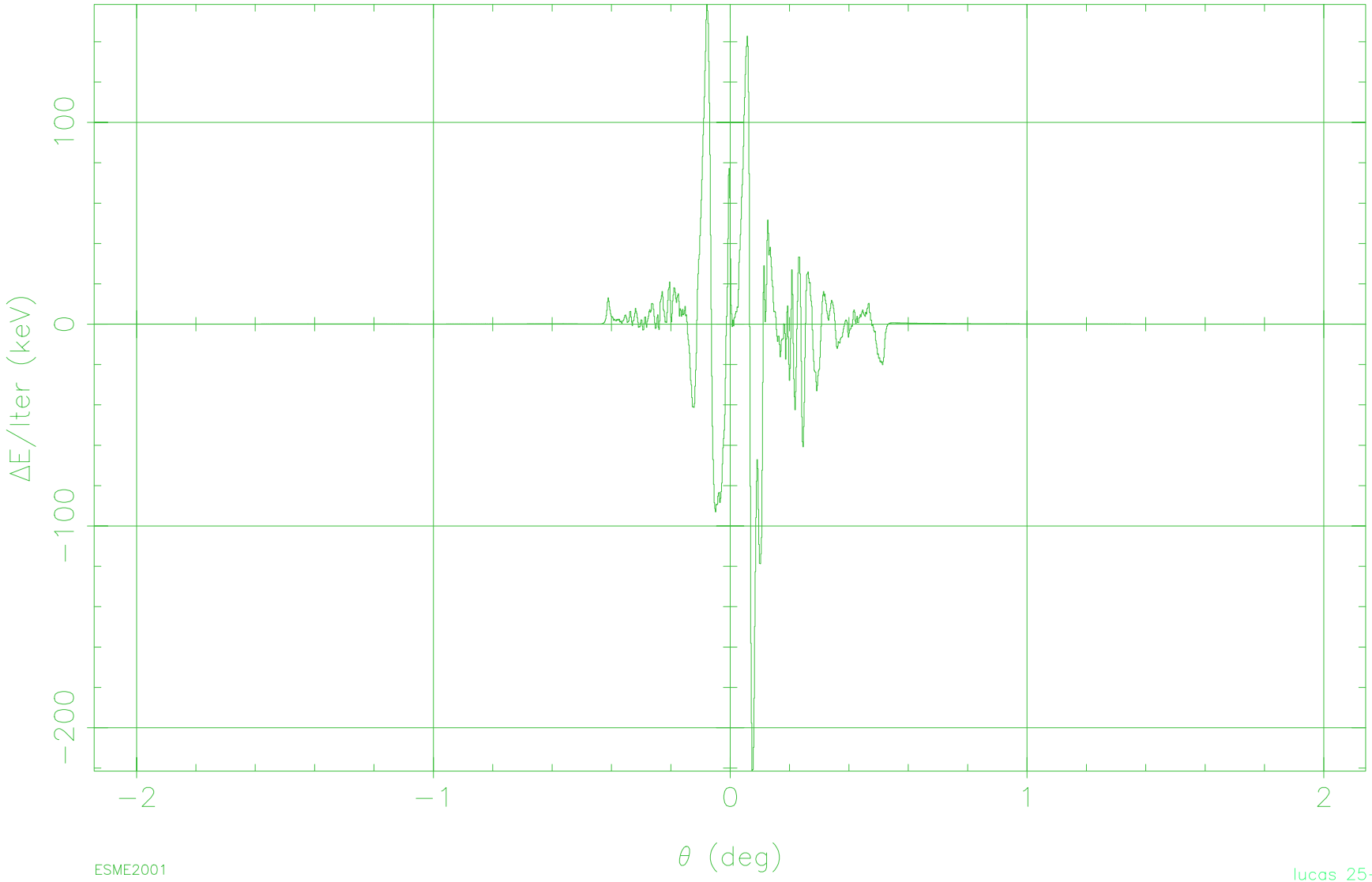
2048 Spoace Charge Bins

Iter 3
6.655E−06 SEC



ESME2001

lucas 25−Apr−2003 14:56