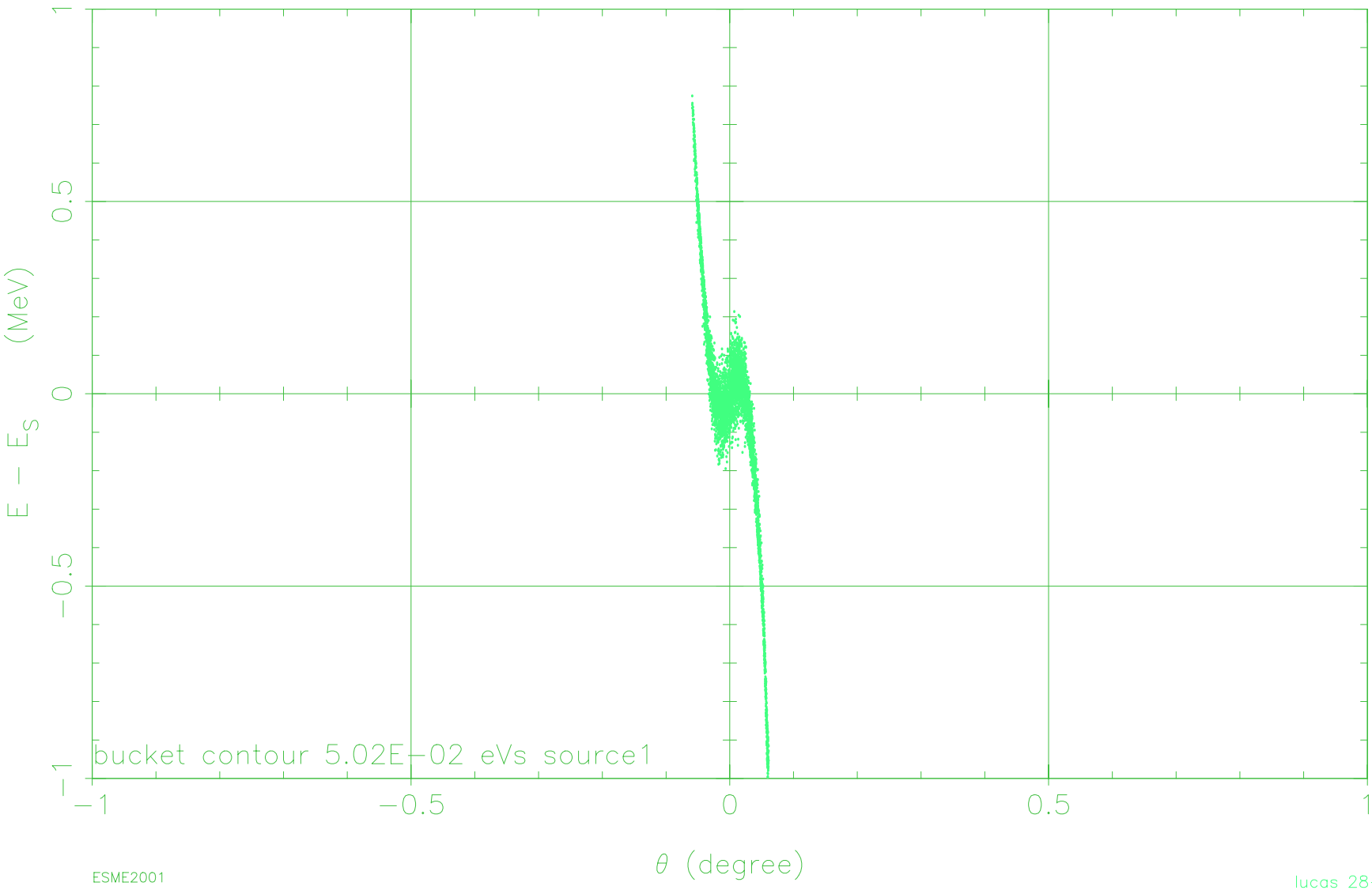
512 Space Charge Bunches

Iter 0 0.000E+00 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.4997E+00	5.0162E−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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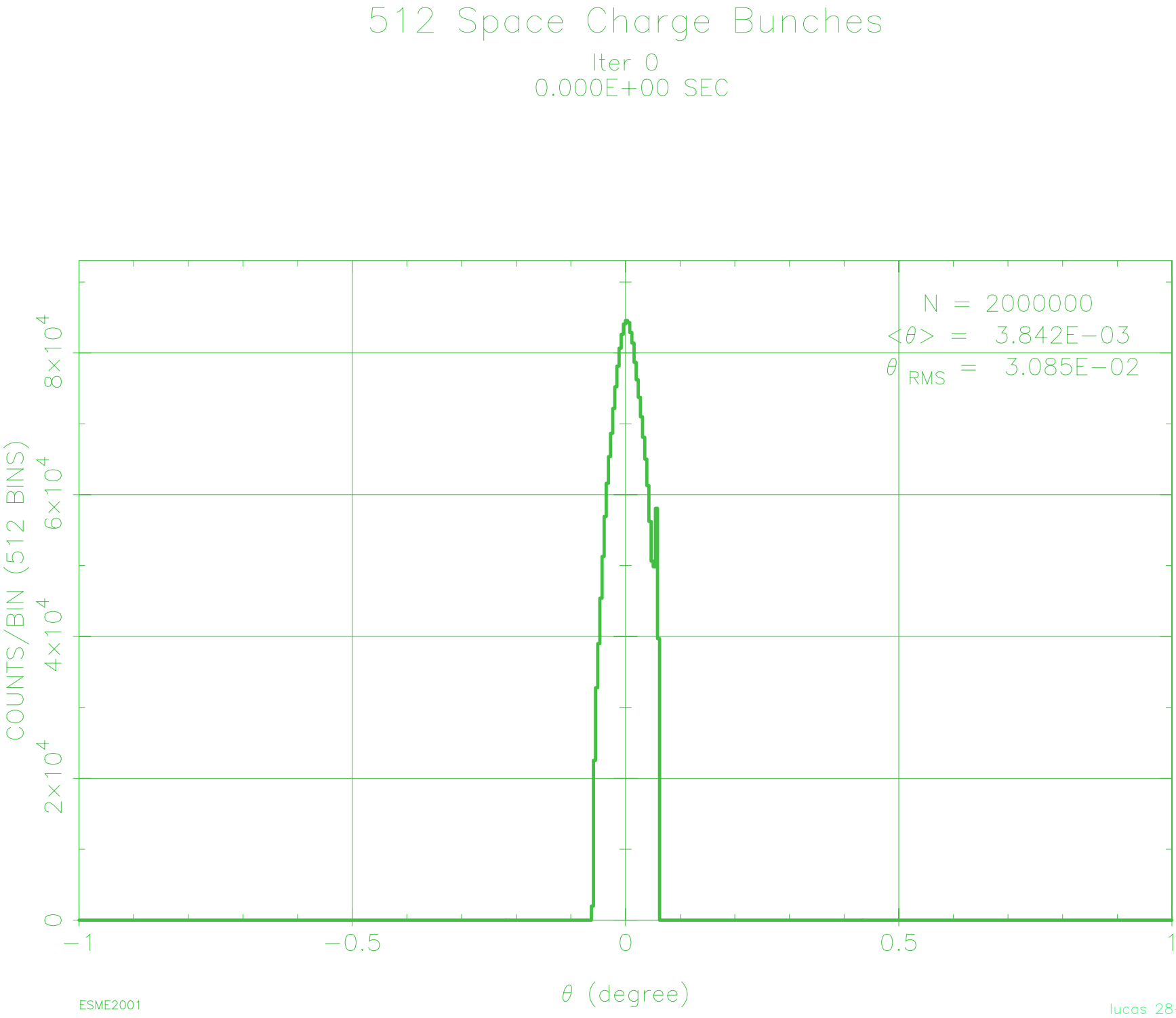
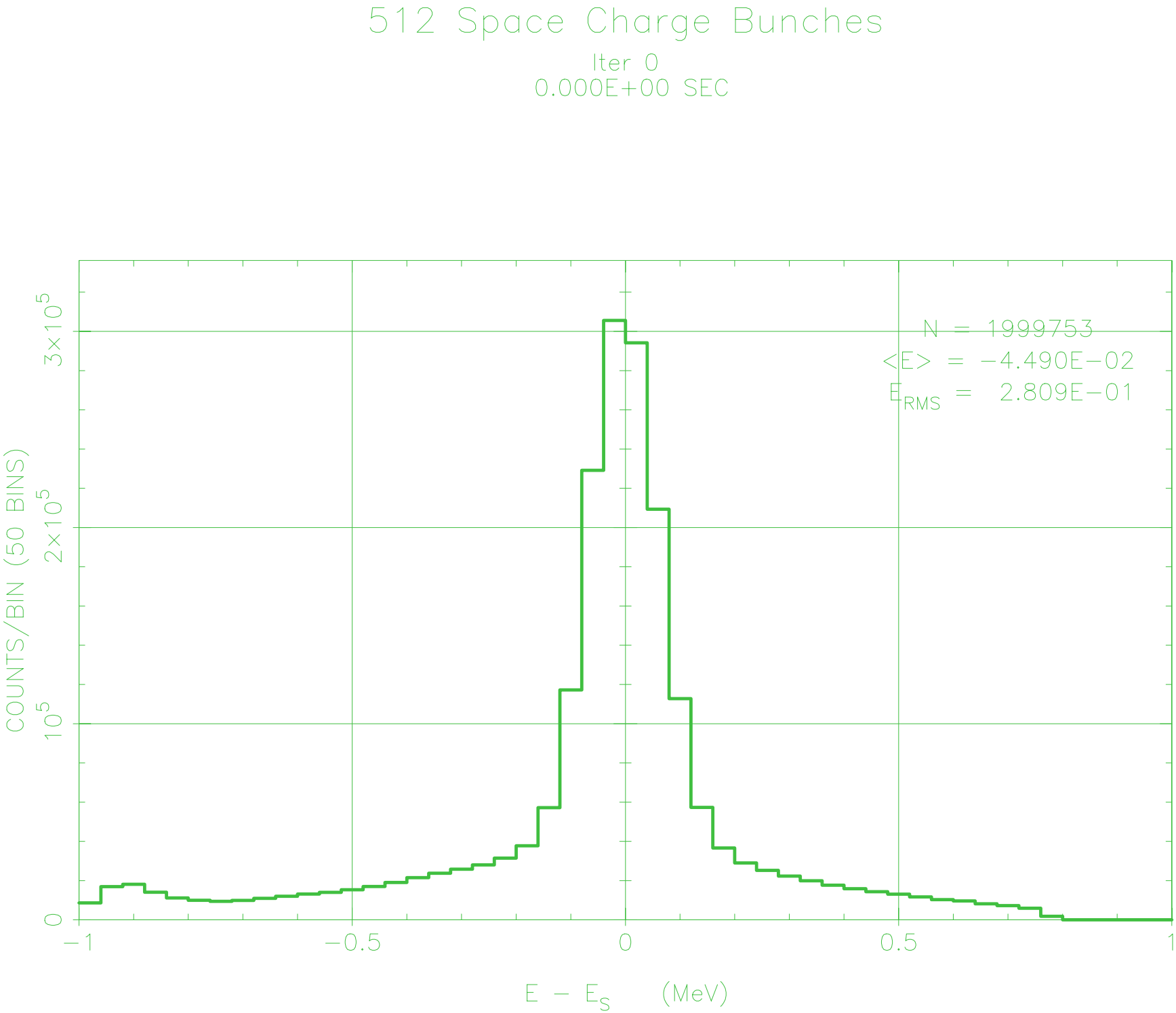
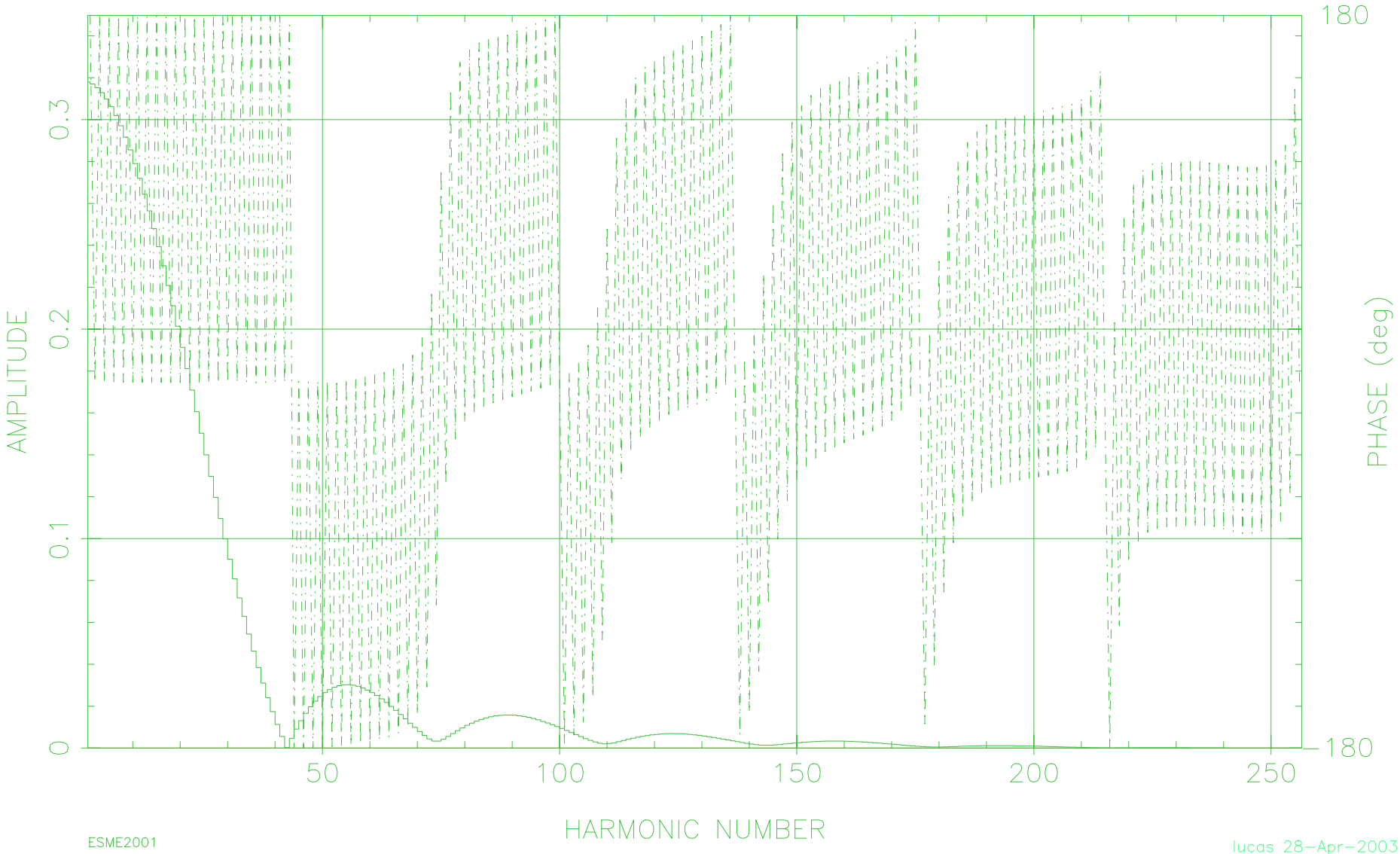
lucas 28−Apr−2003 11:37


512 Space Charge Bunches
Iter 0
0.000E+00 SEC
N = 2000000
<θ> = 3.842E−03
θ RMS = 3.085E−02
COUNTS/BIN (512 BINS)
0
2×10^4
4×10^4
6×10^4
8×10^4
−1
−0.5
0
0.5
1
θ (degree)
ESME2001
lucas 28−Apr−2003 11:37


512 Space Charge Bunches
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)

512 Space Charge Bunches

Iter 0
0.000E+00 SEC



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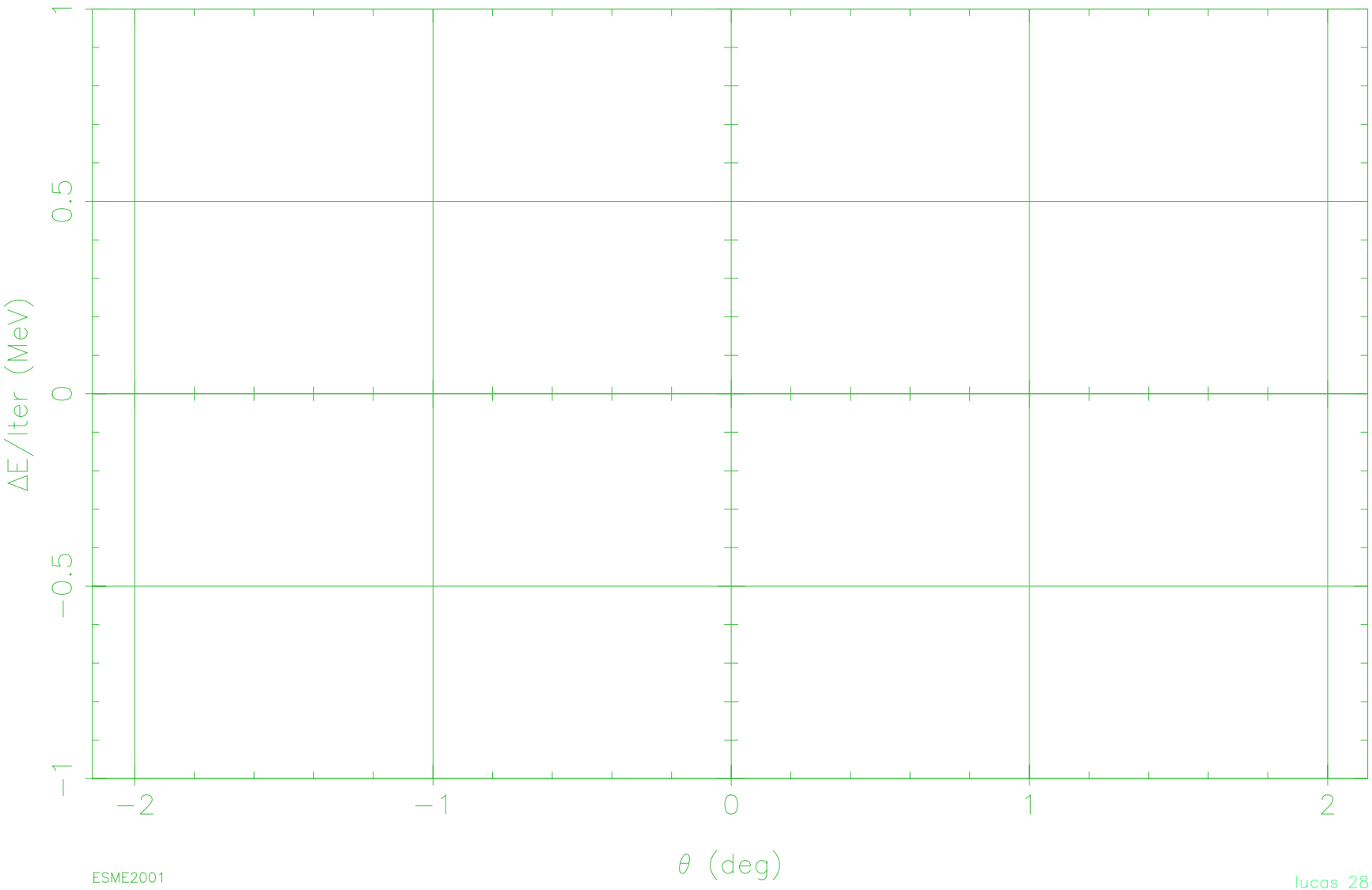
512 Space Charge Bunches

Iter 0
0.000E+00 SEC



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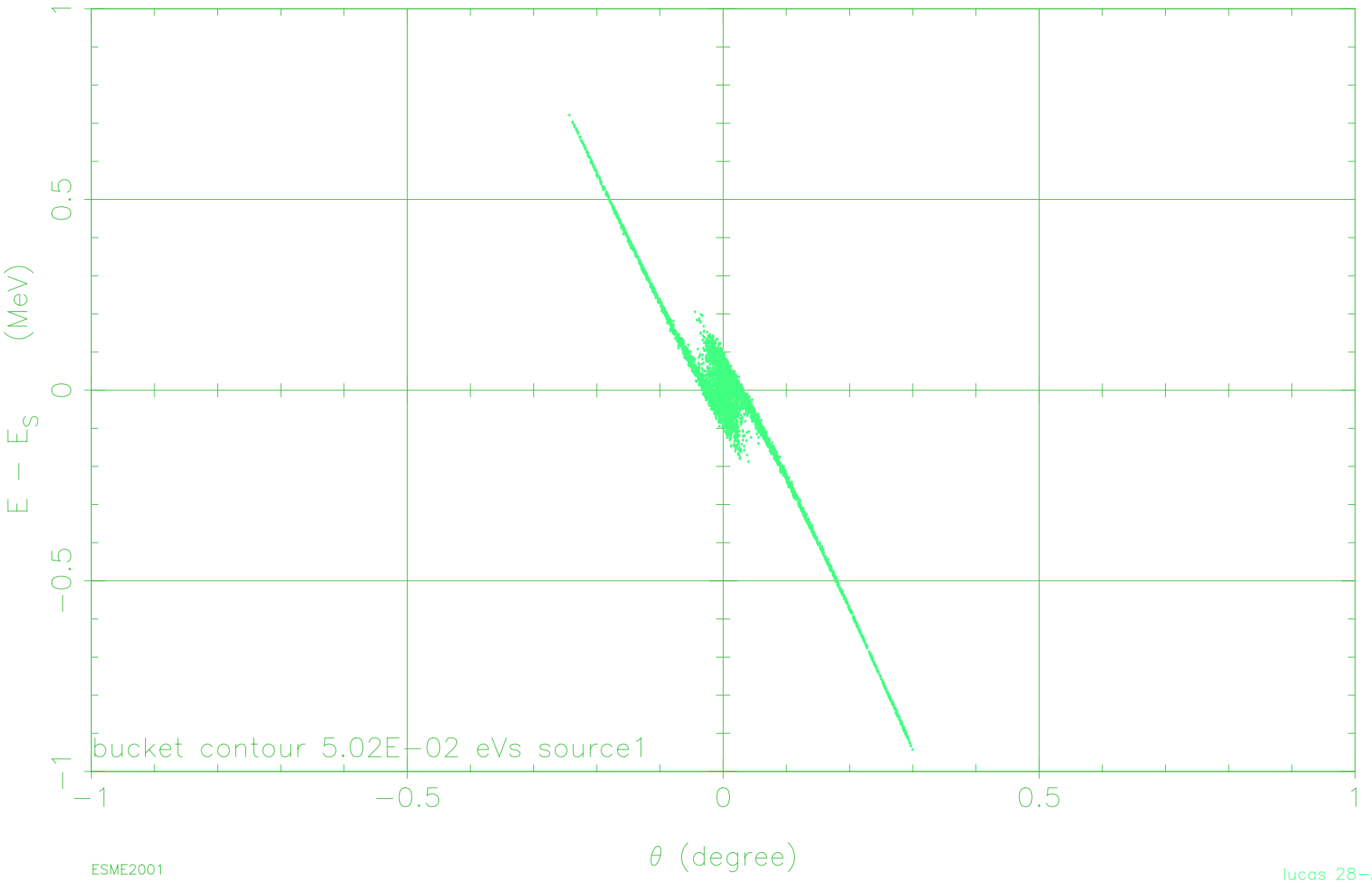
512 Space Charge Bunches

Iter 1 2.218E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.4997E+00	5.0162E−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	9.9793E−05	2000000			



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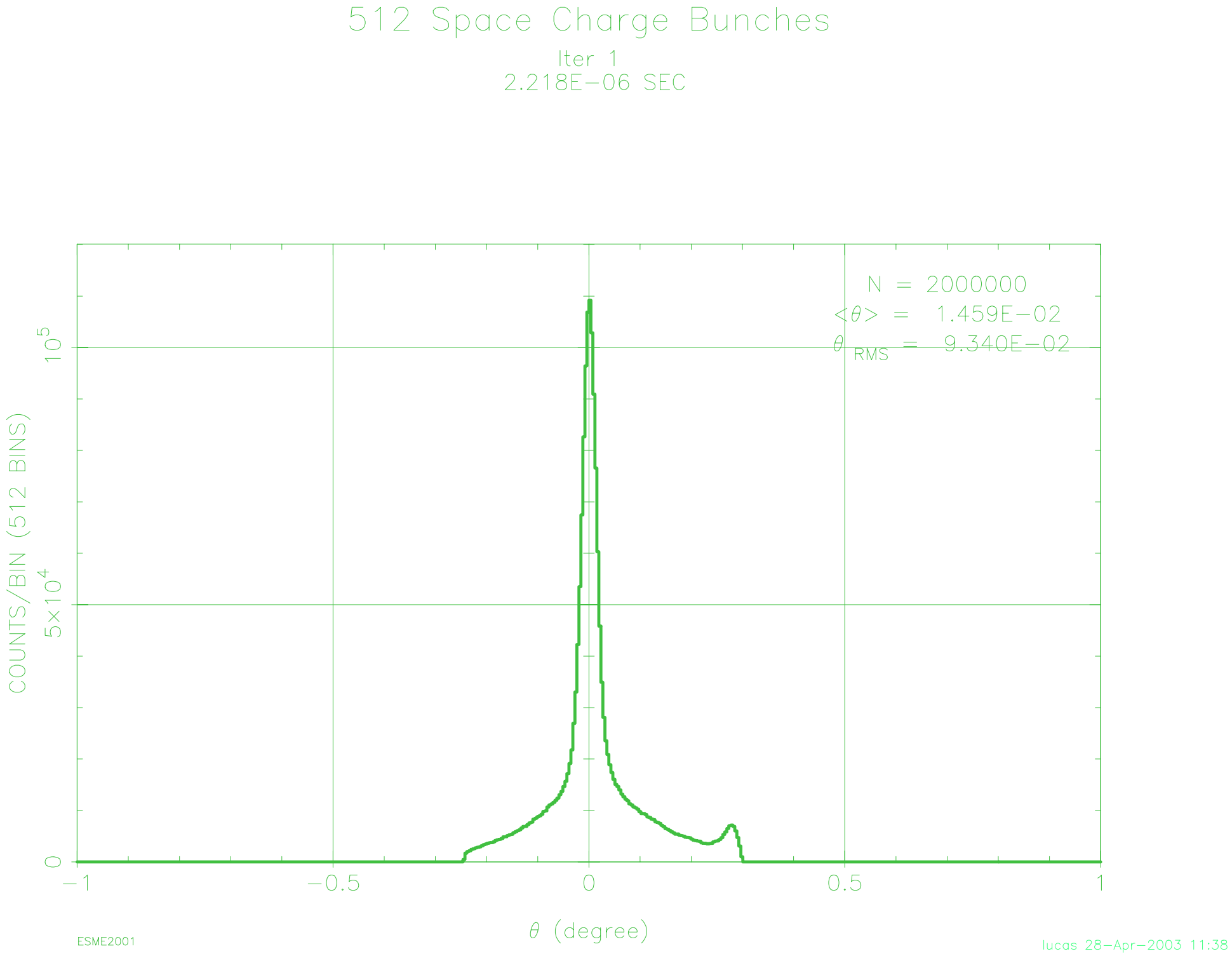
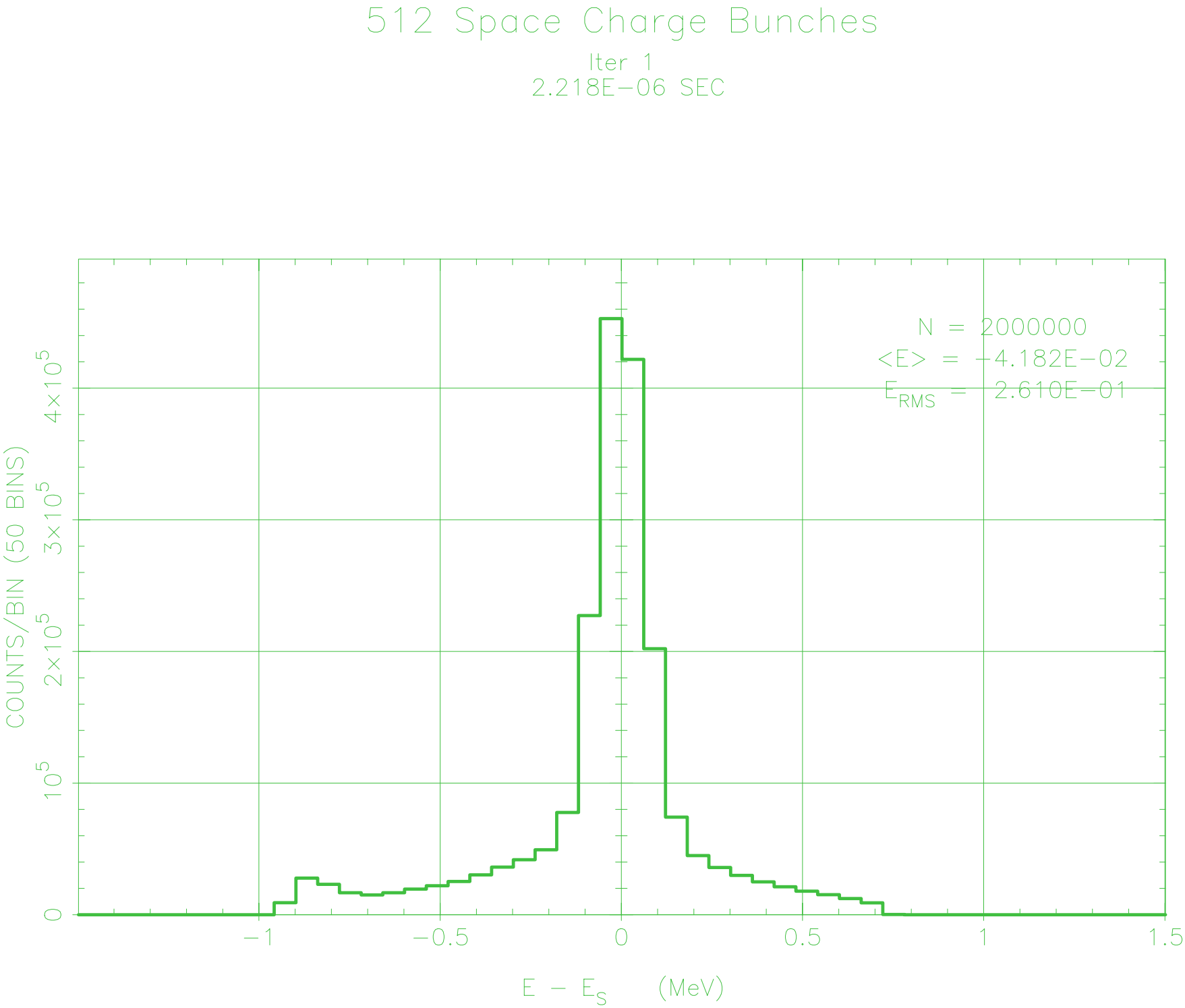
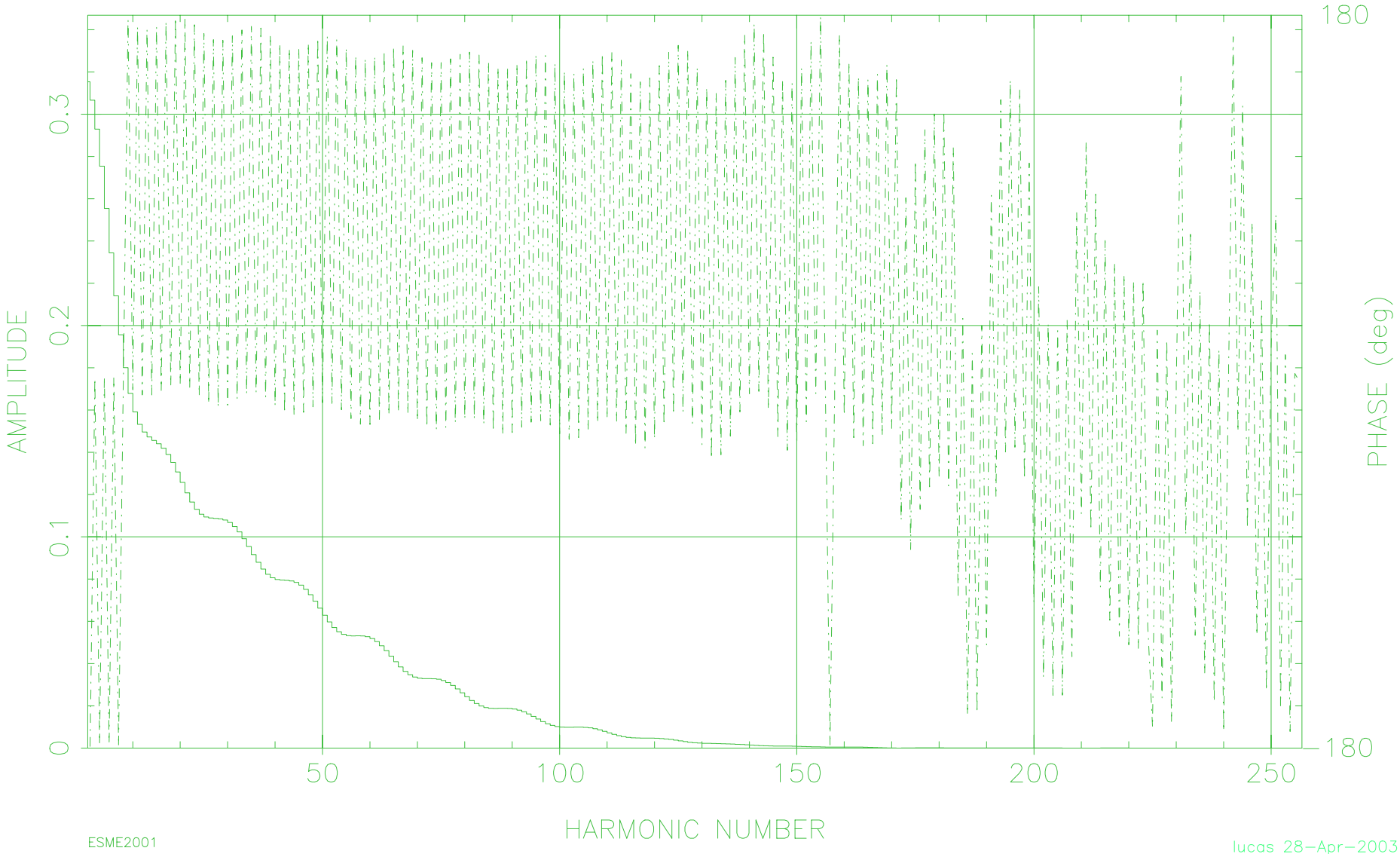

512 Space Charge Bunches
Iter 1
2.218E−06 SEC
N = 2000000
<θ> = 1.459E−02
θ RMS = 9.340E−02
COUNTS/BIN (512 BINS)
10^5
5×10^4
0
−1
−0.5
0
0.5
1
θ (degree)
ESME2001
lucas 28−Apr−2003 11:38


512 Space Charge Bunches
Iter 1
2.218E−06 SEC
N = 2000000
<E> = −4.182E−02
E_RMS = 2.610E−01
COUNTS/BIN (50 BINS)
0
10^5
2×10^5
3×10^5
4×10^5
−1
−0.5
0
0.5
1
1.5
E − E_S (MeV)

512 Space Charge Bunches

Iter 1
2.218E−06 SEC



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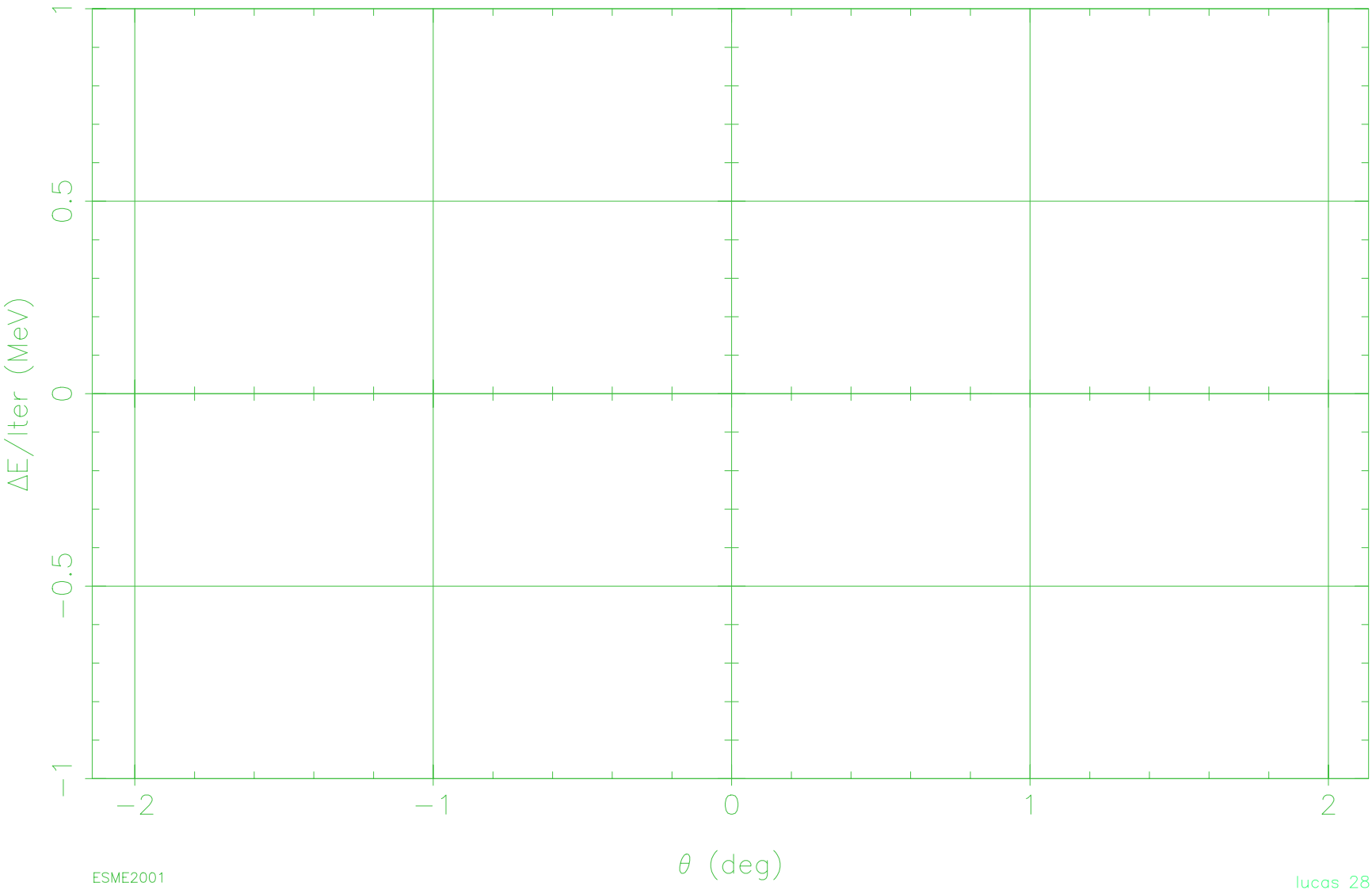
512 Space Charge Bunches

Iter 1
2.218E−06 SEC



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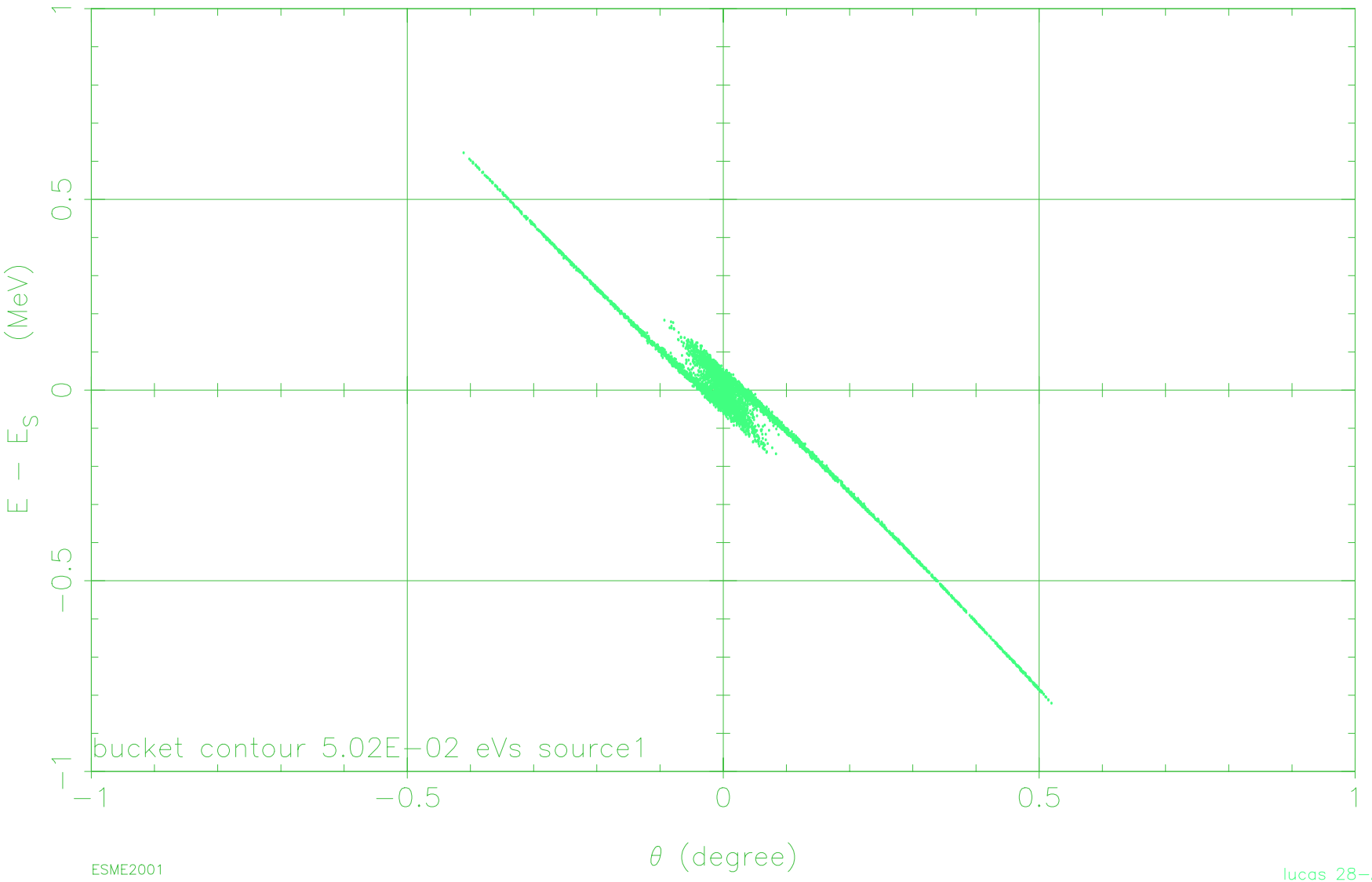
512 Space Charge Bunches

Iter 2 4.436E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.4997E+00	5.0162E−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	1.0088E−04	2000000			



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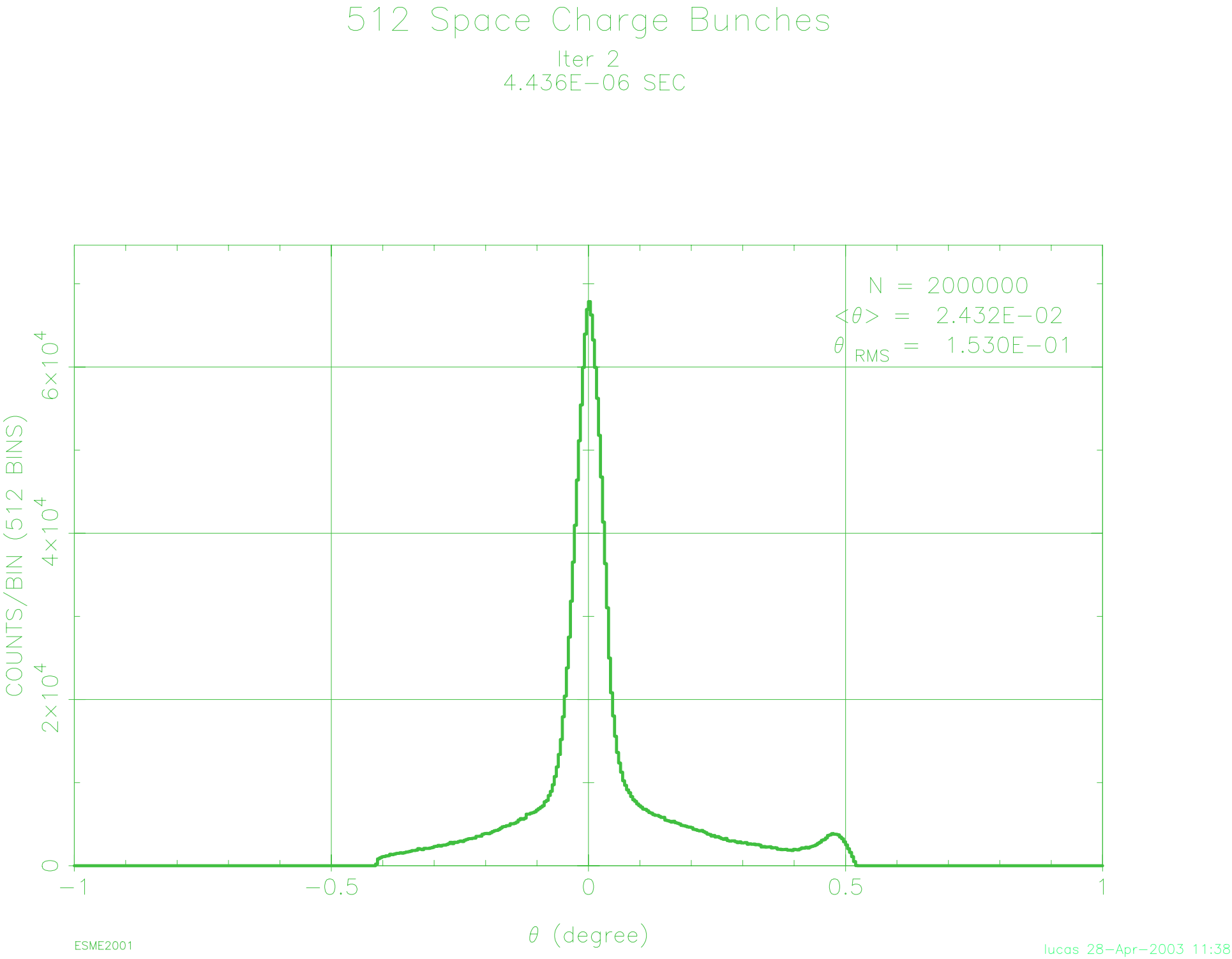
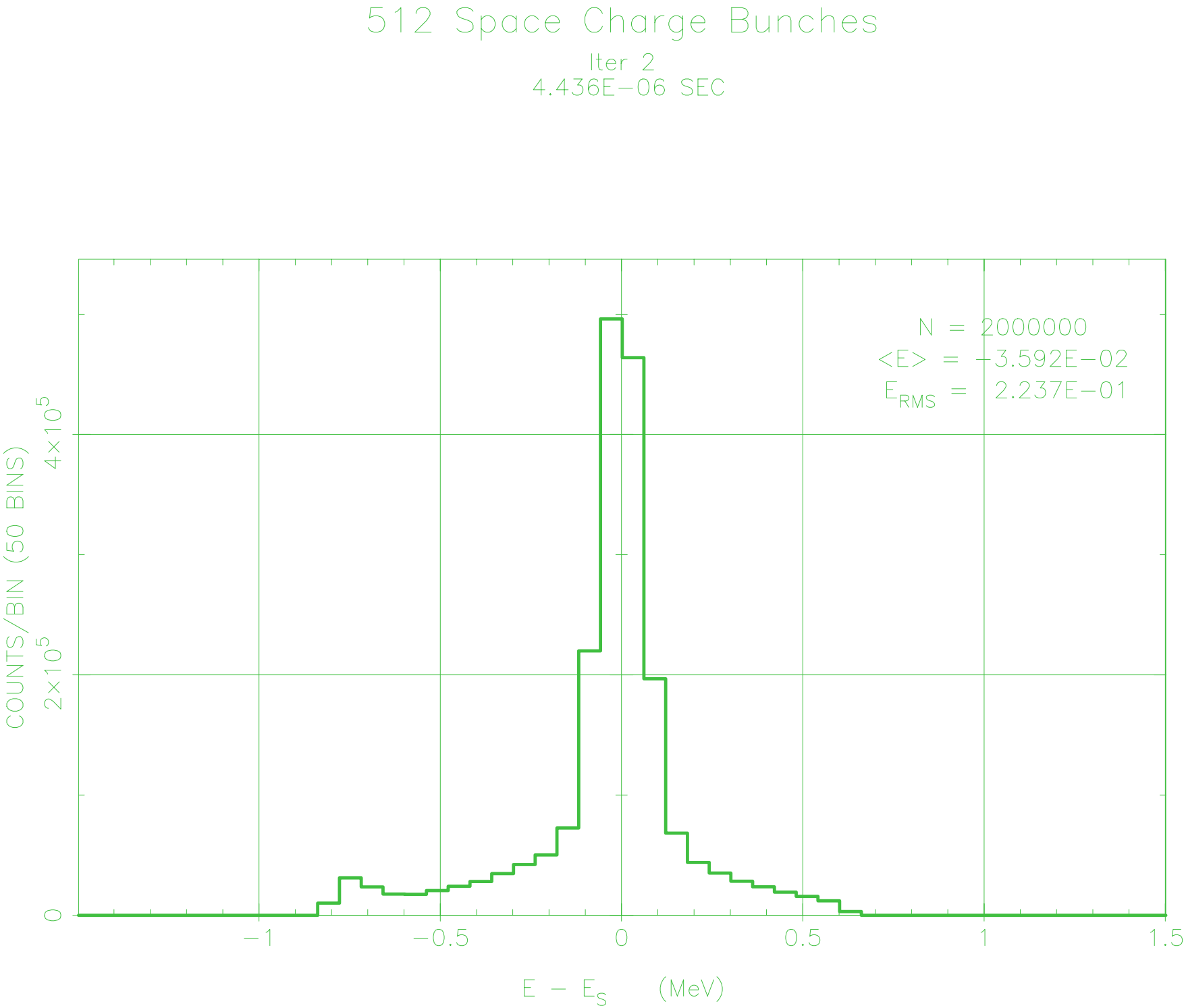
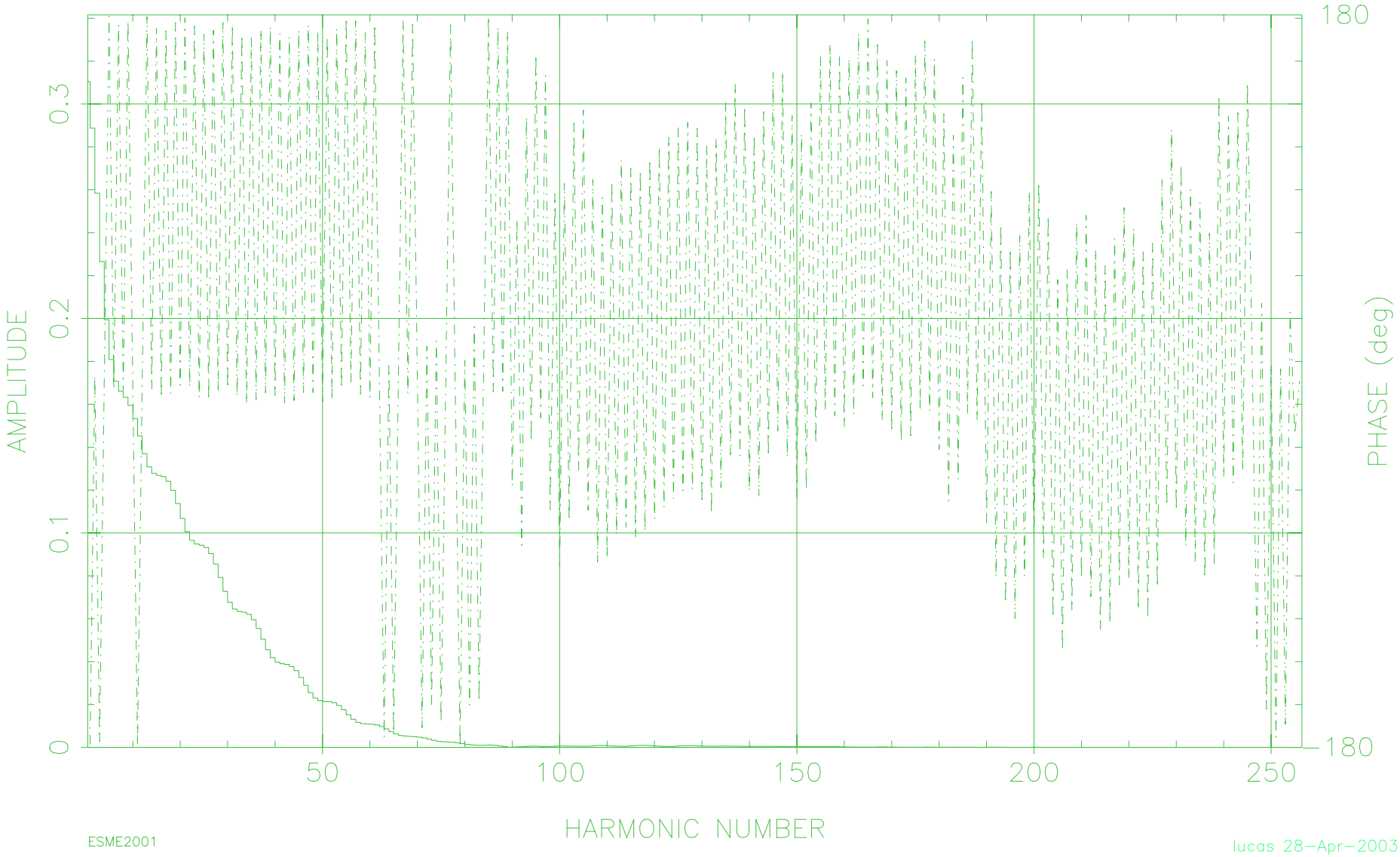

512 Space Charge Bunches
Iter 2
4.436E−06 SEC
N = 2000000
<θ> = 2.432E−02
θ RMS = 1.530E−01
COUNTS/BIN (512 BINS)
6×10^4
4×10^4
2×10^4
0
−1
−0.5
0
0.5
1
θ (degree)
ESME2001
lucas 28−Apr−2003 11:38


512 Space Charge Bunches
Iter 2
4.436E−06 SEC
N = 2000000
<E> = −3.592E−02
E_RMS = 2.237E−01
COUNTS/BIN (50 BINS)
4×10^5
2×10^5
0
−1
−0.5
0
0.5
1
1.5
E − E_S (MeV)

512 Space Charge Bunches

Iter 2
4.436E−06 SEC



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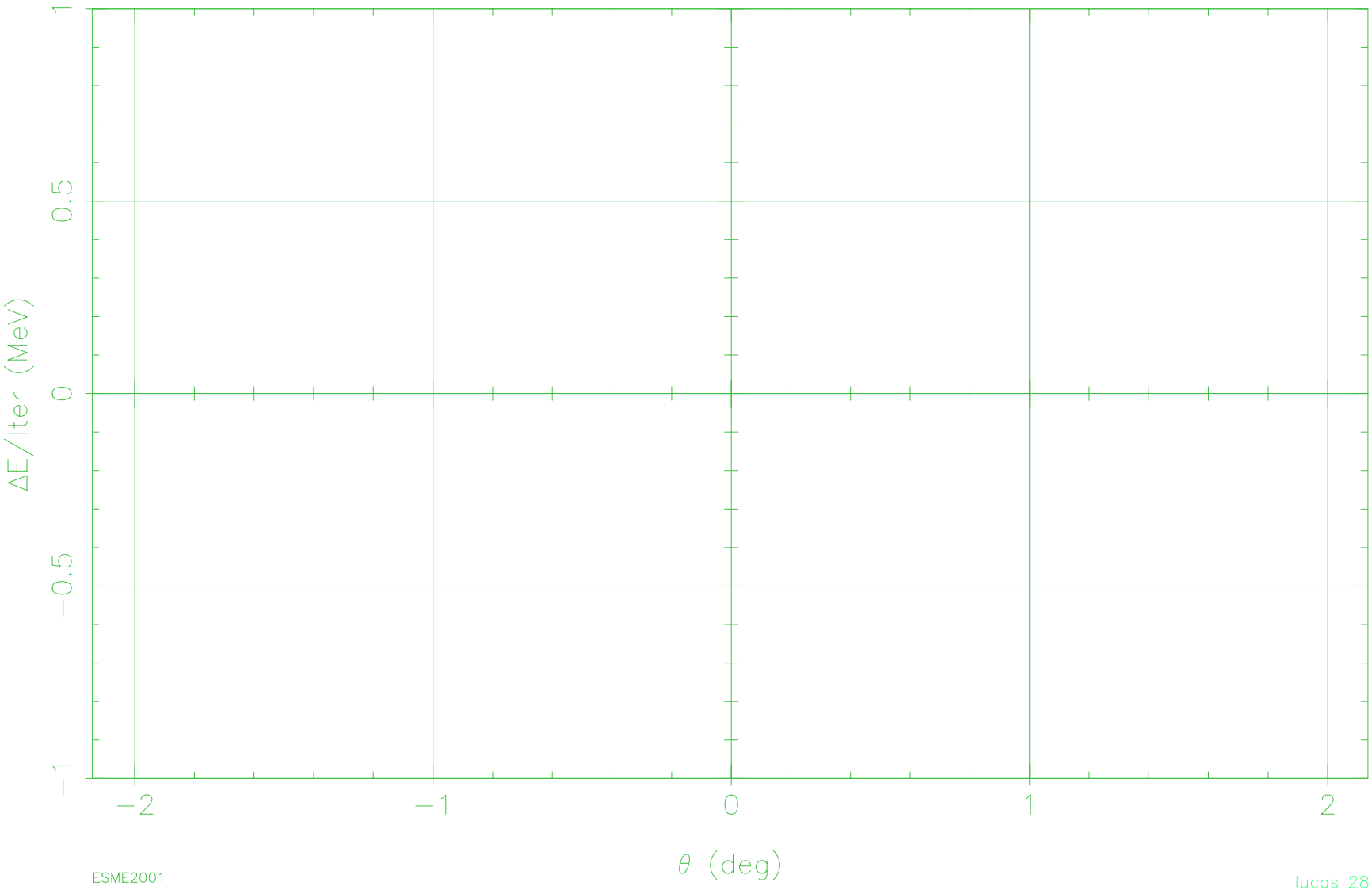
512 Space Charge Bunches

Iter 2
4.436E−06 SEC



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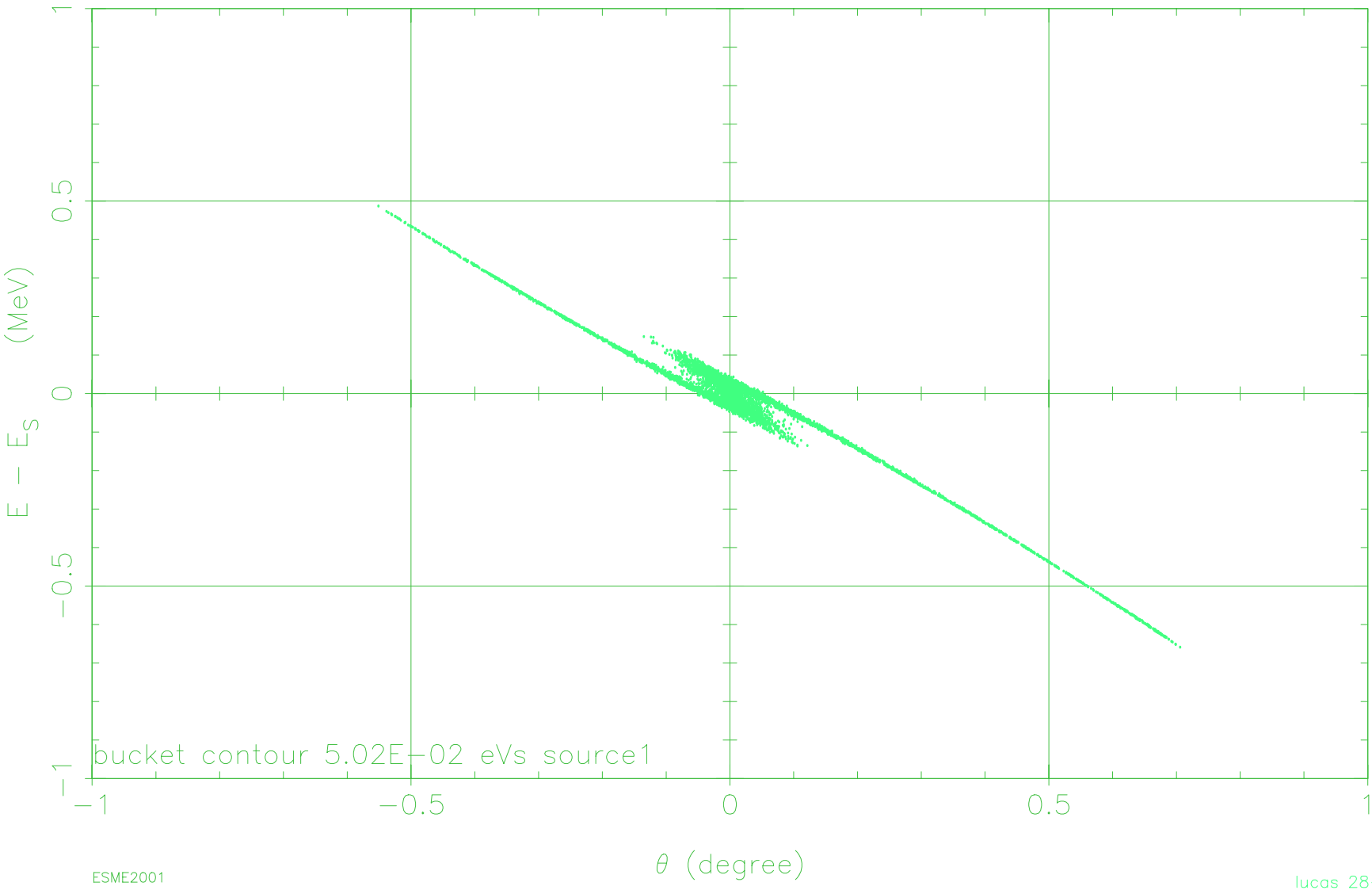
512 Space Charge Bunches

Iter 3 6.655E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.4997E+00	5.0162E−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	1.0502E−04	2000000			



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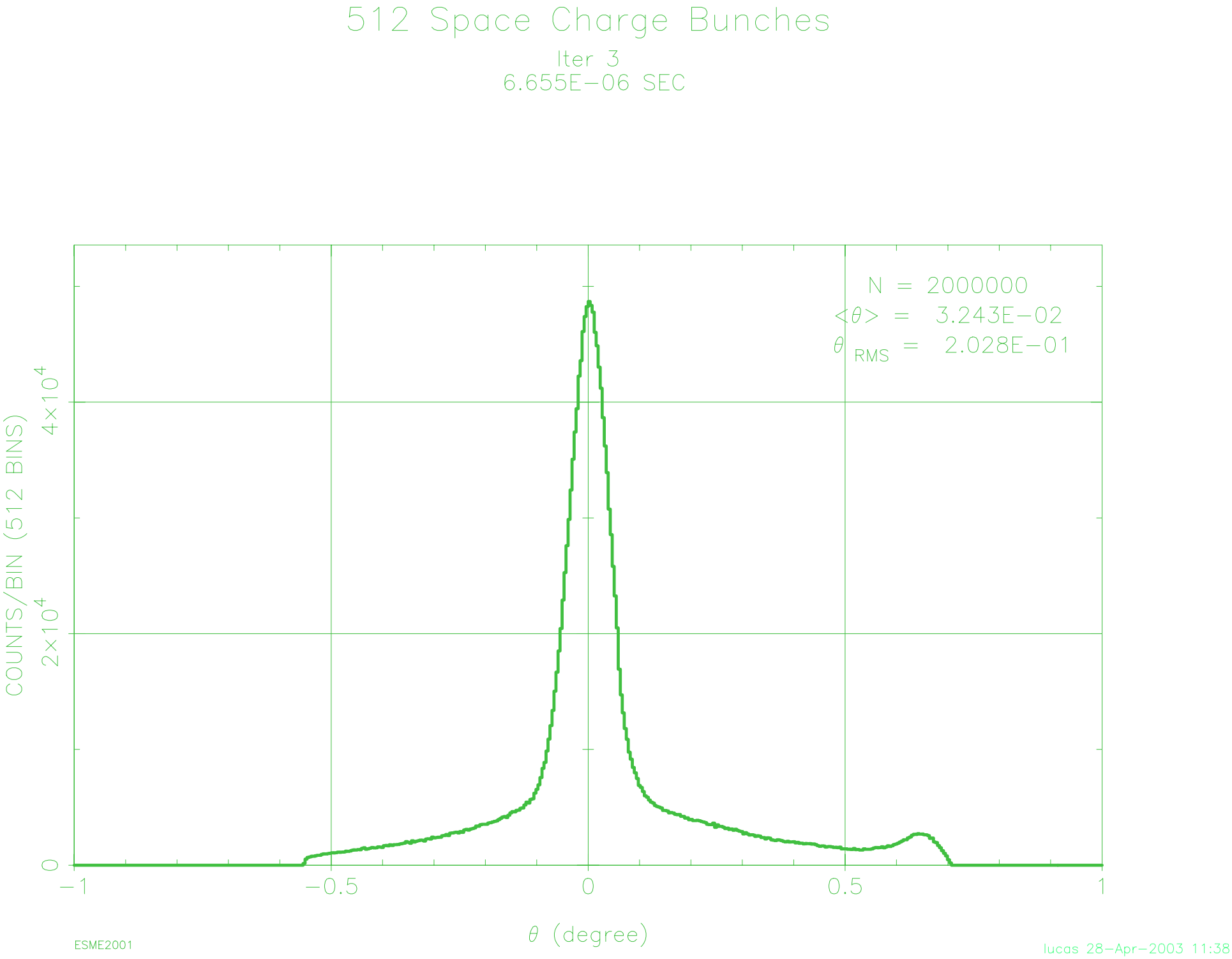
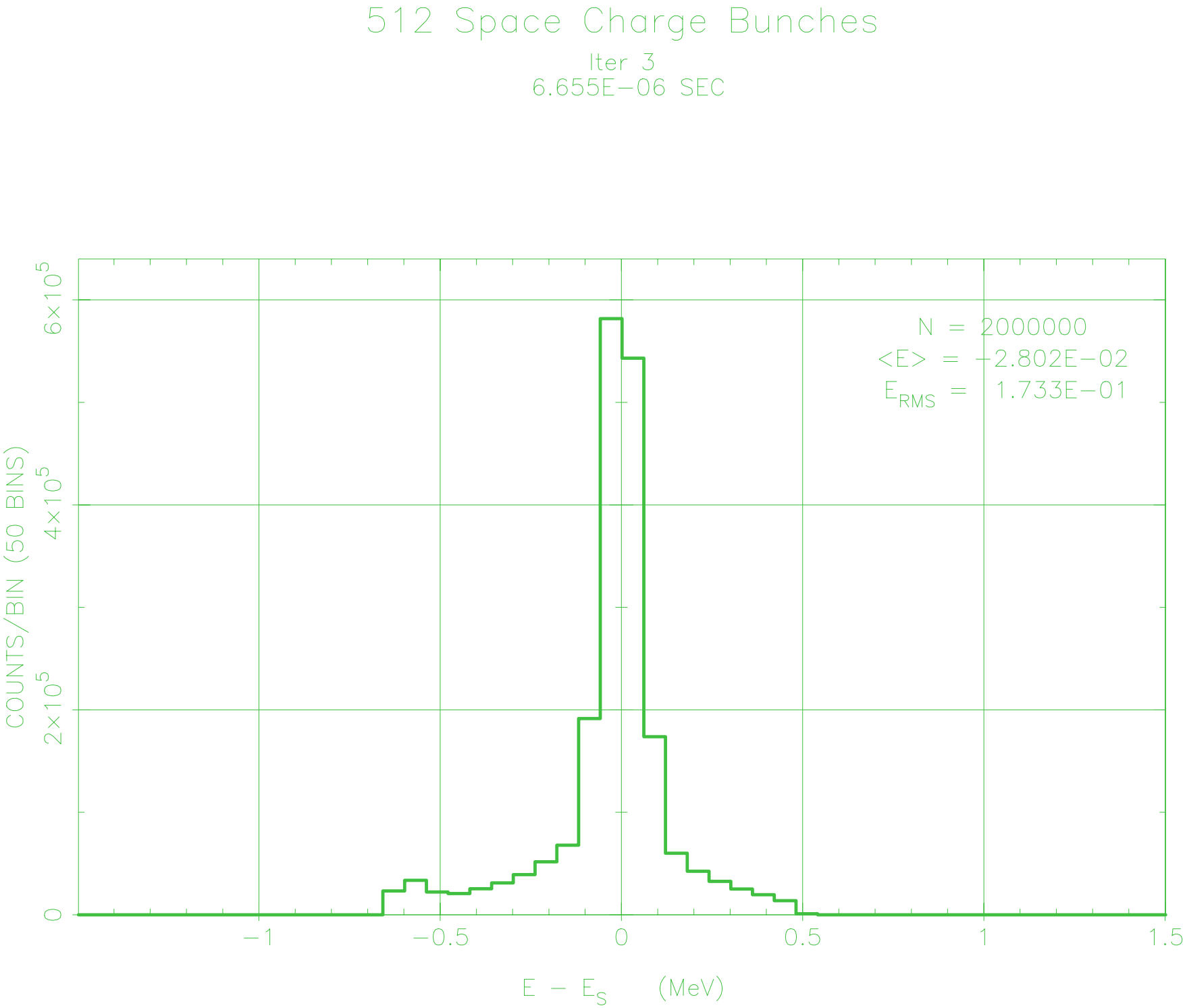
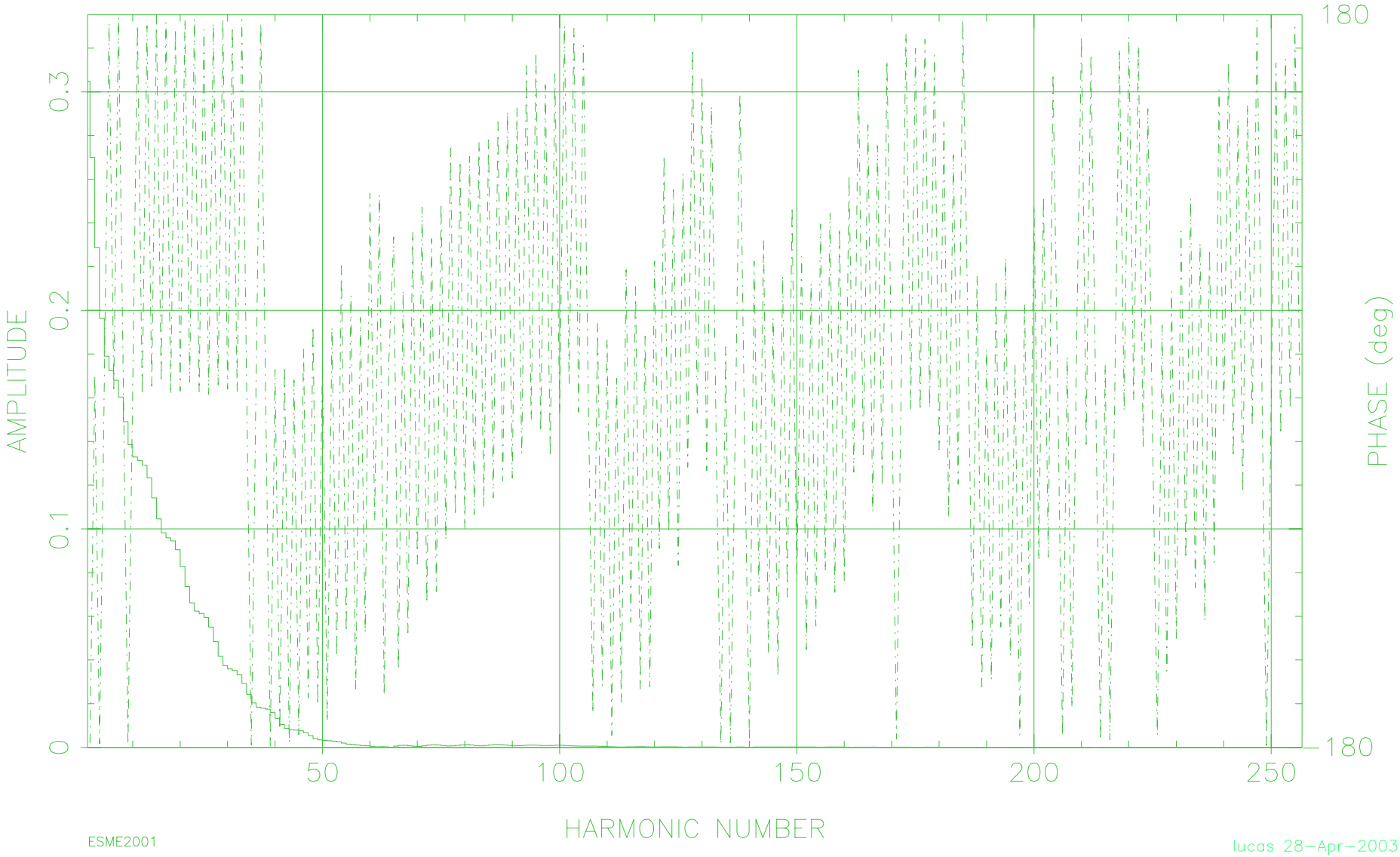

512 Space Charge Bunches
Iter 3
6.655E−06 SEC
N = 2000000
<θ> = 3.243E−02
θ RMS = 2.028E−01
COUNTS/BIN (512 BINS)
4×10^4
2×10^4
0
−1
−0.5
0
0.5
1
θ (degree)
ESME2001
lucas 28−Apr−2003 11:38


512 Space Charge Bunches
Iter 3
6.655E−06 SEC
N = 2000000
<E> = −2.802E−02
E_RMS = 1.733E−01
COUNTS/BIN (50 BINS)
6×10^5
4×10^5
2×10^5
0
−1
−0.5
0
0.5
1
1.5
E − E_S (MeV)

512 Space Charge Bunches

Iter 3
6.655E−06 SEC



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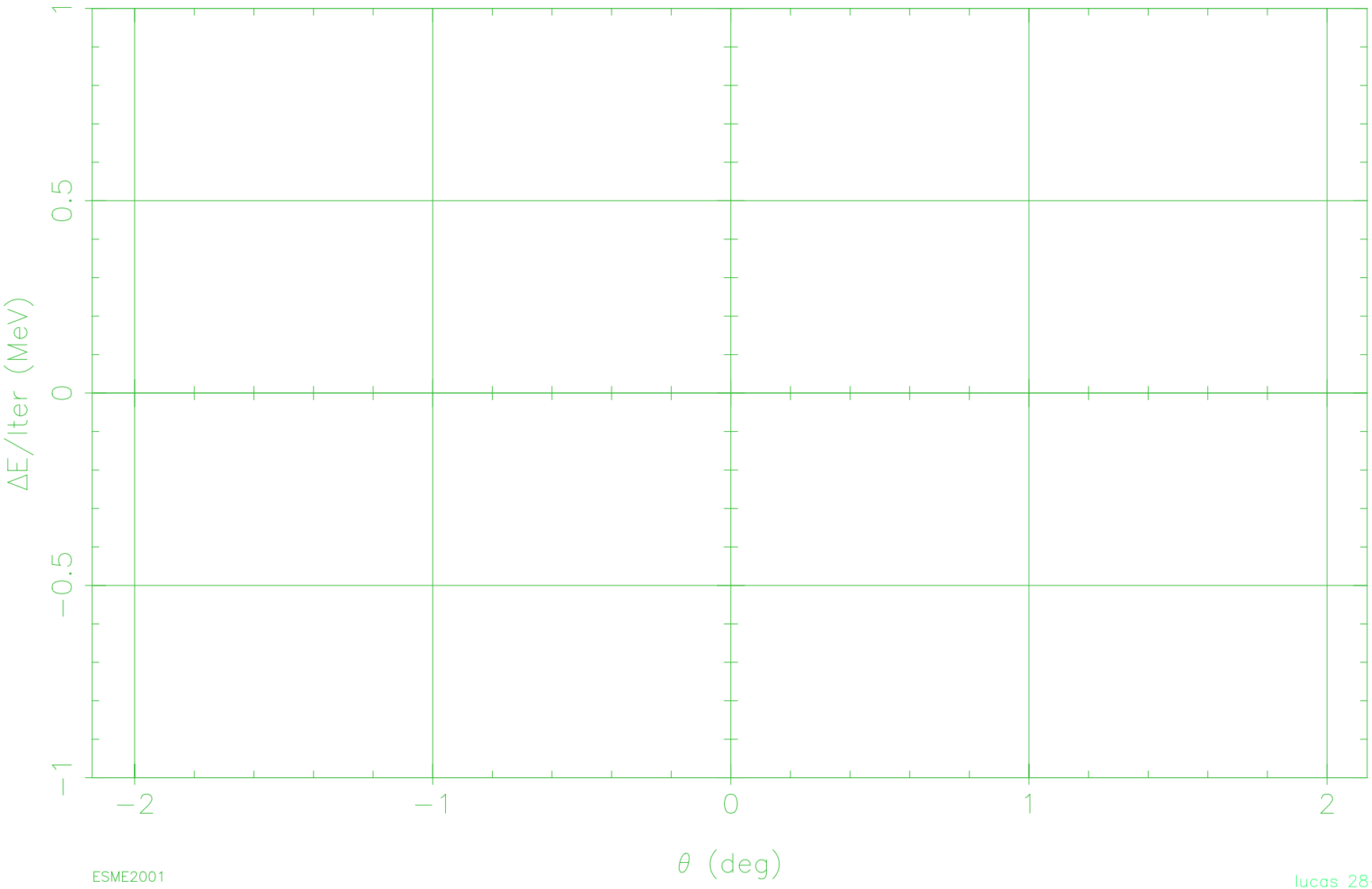
512 Space Charge Bunches

Iter 3
6.655E−06 SEC



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