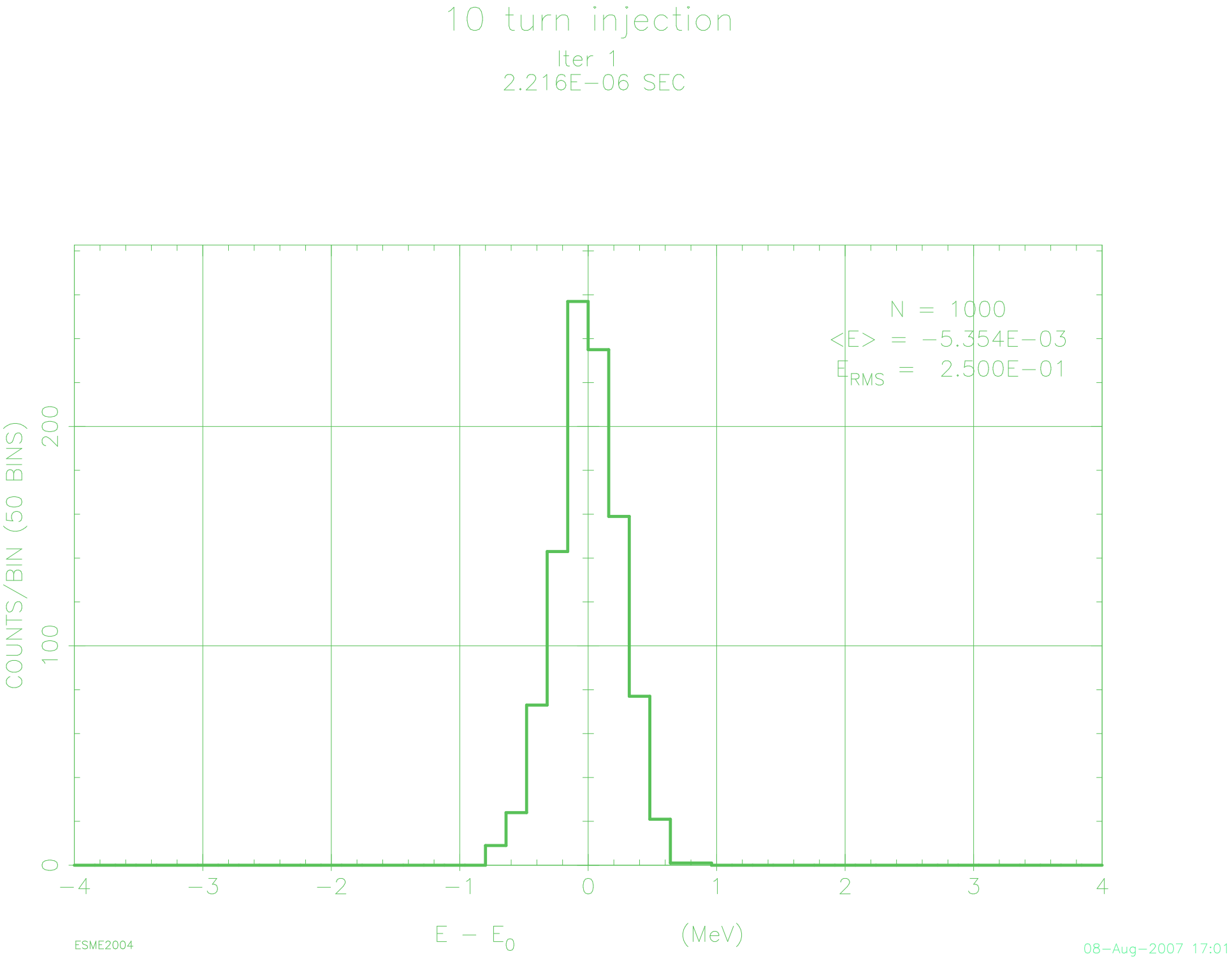
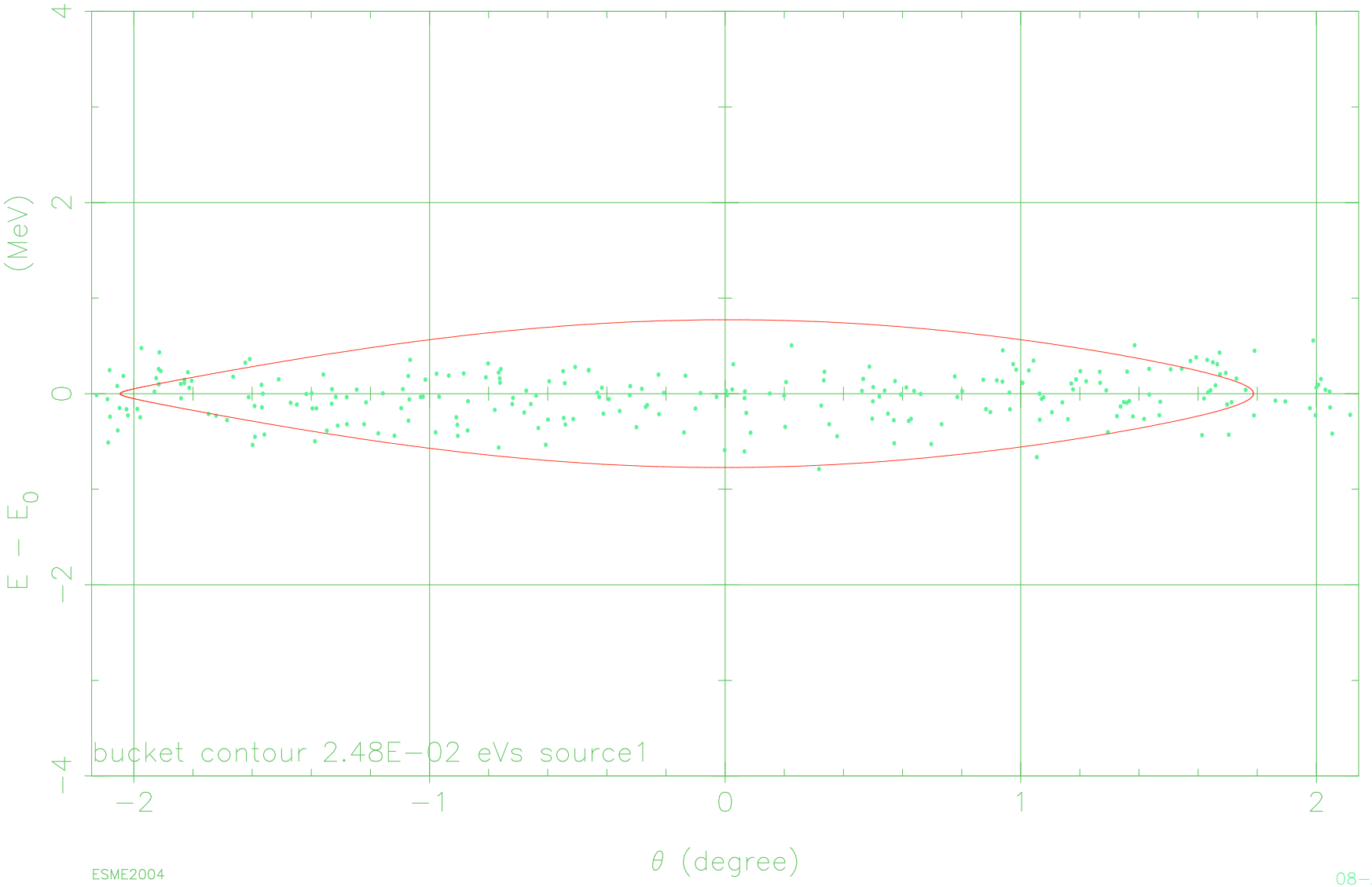

10 turn injection
Iter 1
2.216E−06 SEC
N = 1000
<E> = −5.354E−03
E_RMS = 2.500E−01
COUNTS/BIN (50 BINS)
0
100
200
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 1 2.216E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
7.7313E−01	2.4769E−02	1.3398E+03	84	5.500E−02	−1.414E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.750E−02	1.772E+02
2.2176E−02	−3.1217E+02	−4.5673E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	5.8538E−03	1000			



ESME2004

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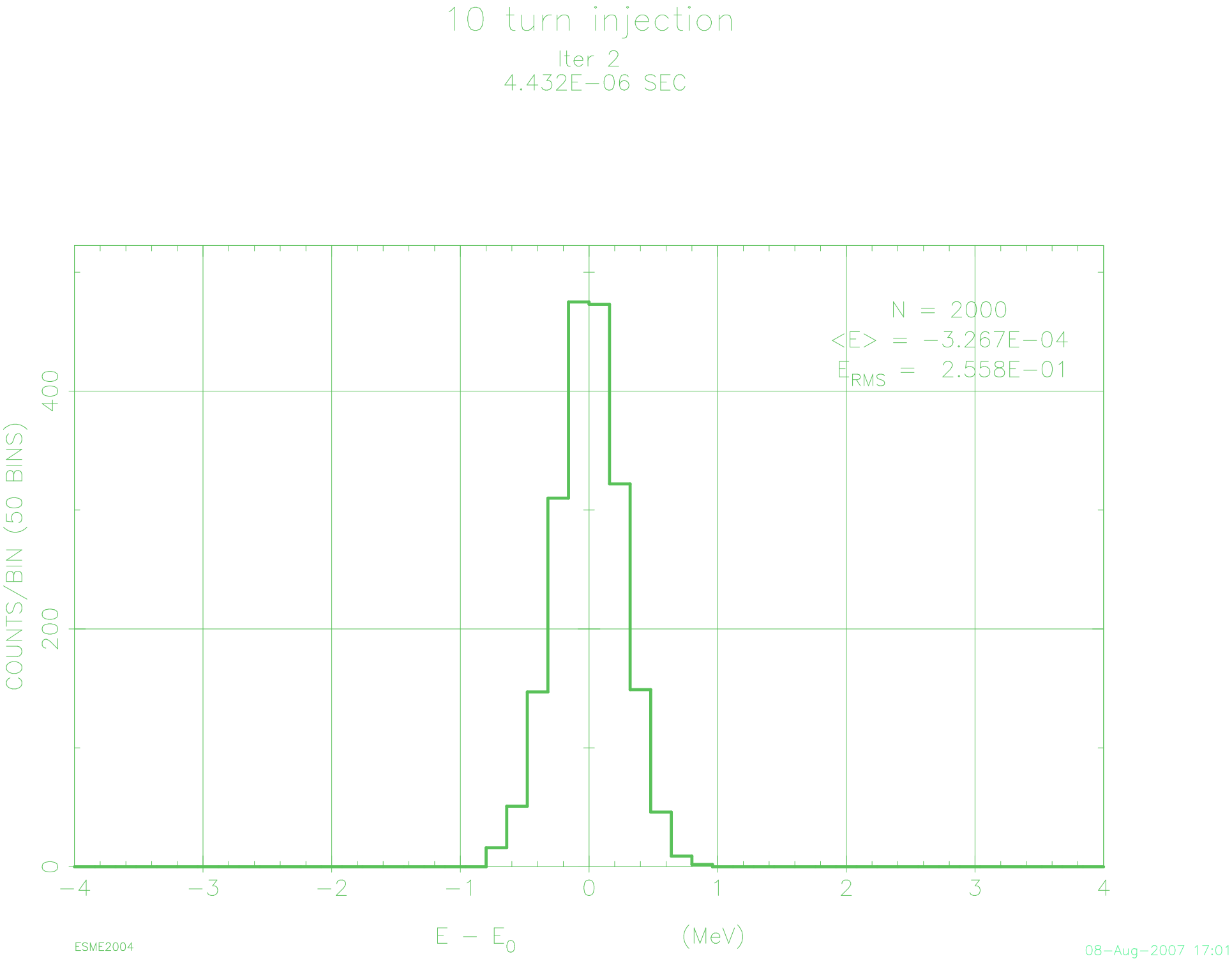
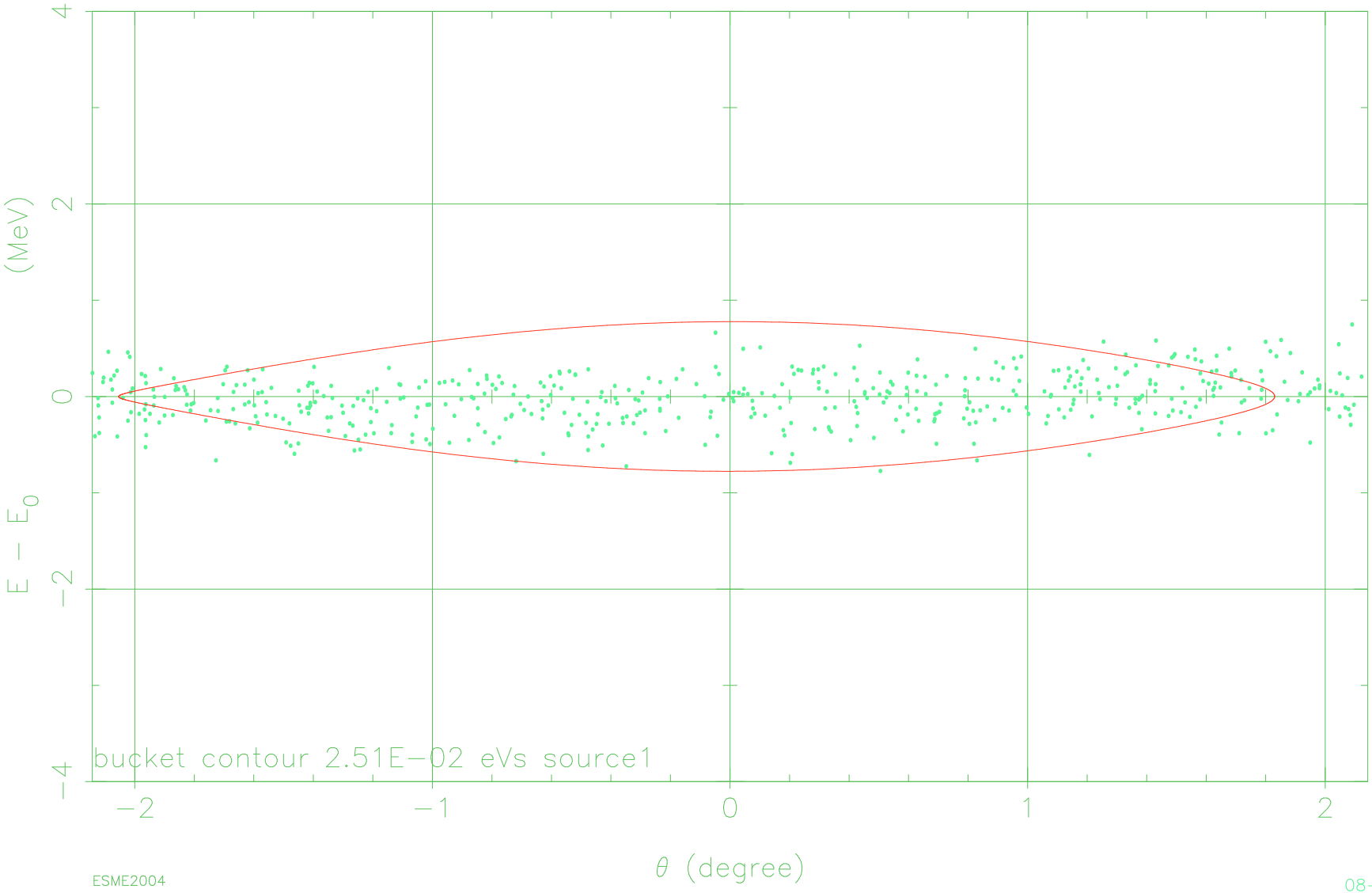

10 turn injection
Iter 2
4.432E−06 SEC
N = 2000
<E> = −3.267E−04
E_RMS = 2.558E−01
COUNTS/BIN (50 BINS)
0
200
400
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 2 4.432E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
7.7696E−01	2.5120E−02	1.3398E+03	84	5.500E−02	−1.061E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.750E−02	1.779E+02
2.2178E−02	−2.3412E+02	−4.5673E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	5.9672E−03	2000			



ESME2004

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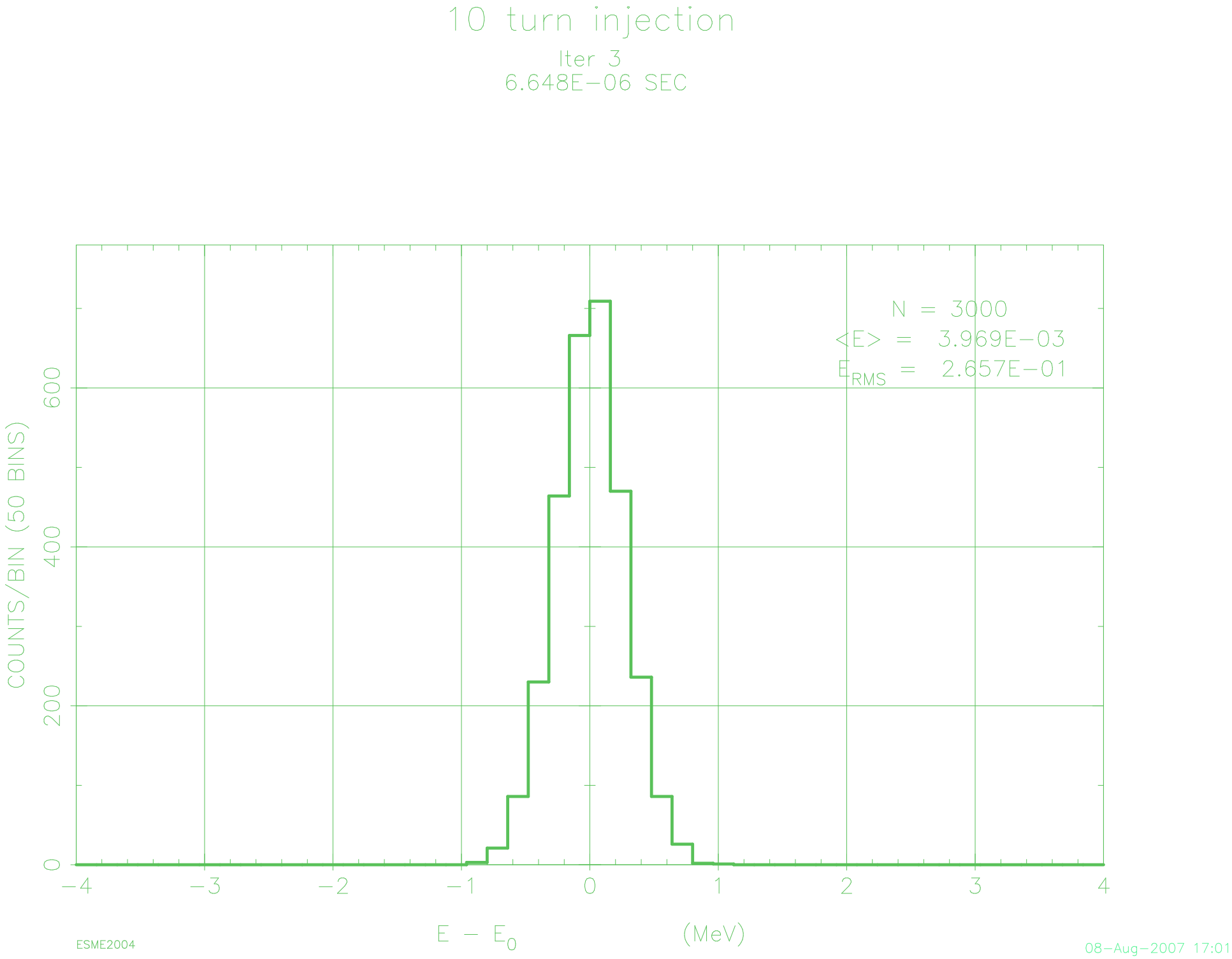
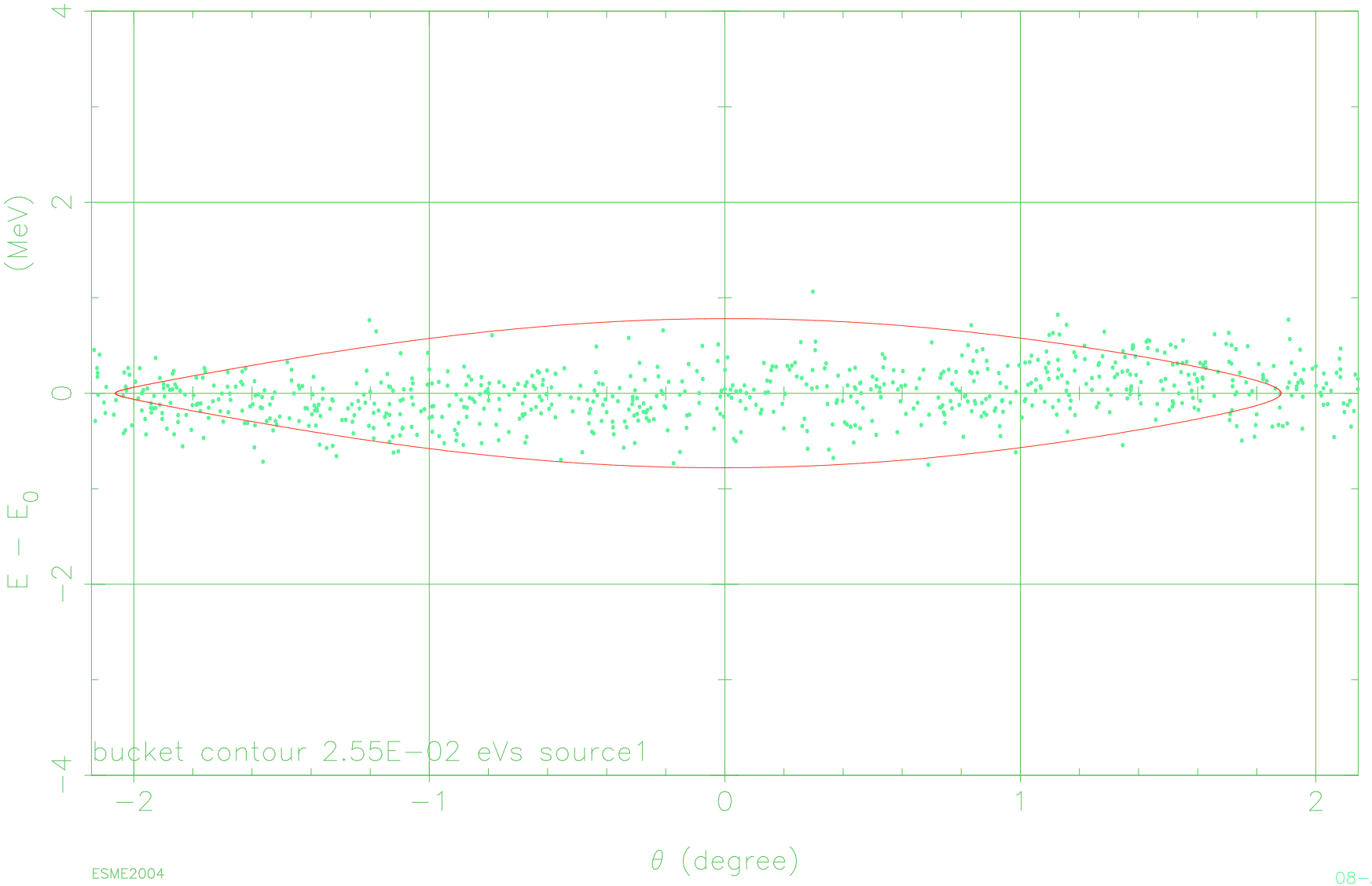

10 turn injection
Iter 3
6.648E−06 SEC
N = 3000
<E> = 3.969E−03
E_RMS = 2.657E−01
COUNTS/BIN (50 BINS)
0
200
400
600
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 3 6.648E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
7.8080E−01	2.5491E−02	1.3398E+03	84	5.500E−02	−7.072E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.750E−02	1.786E+02
2.2179E−02	−1.5608E+02	−4.5673E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.0577E−03	3000			



ESME2004

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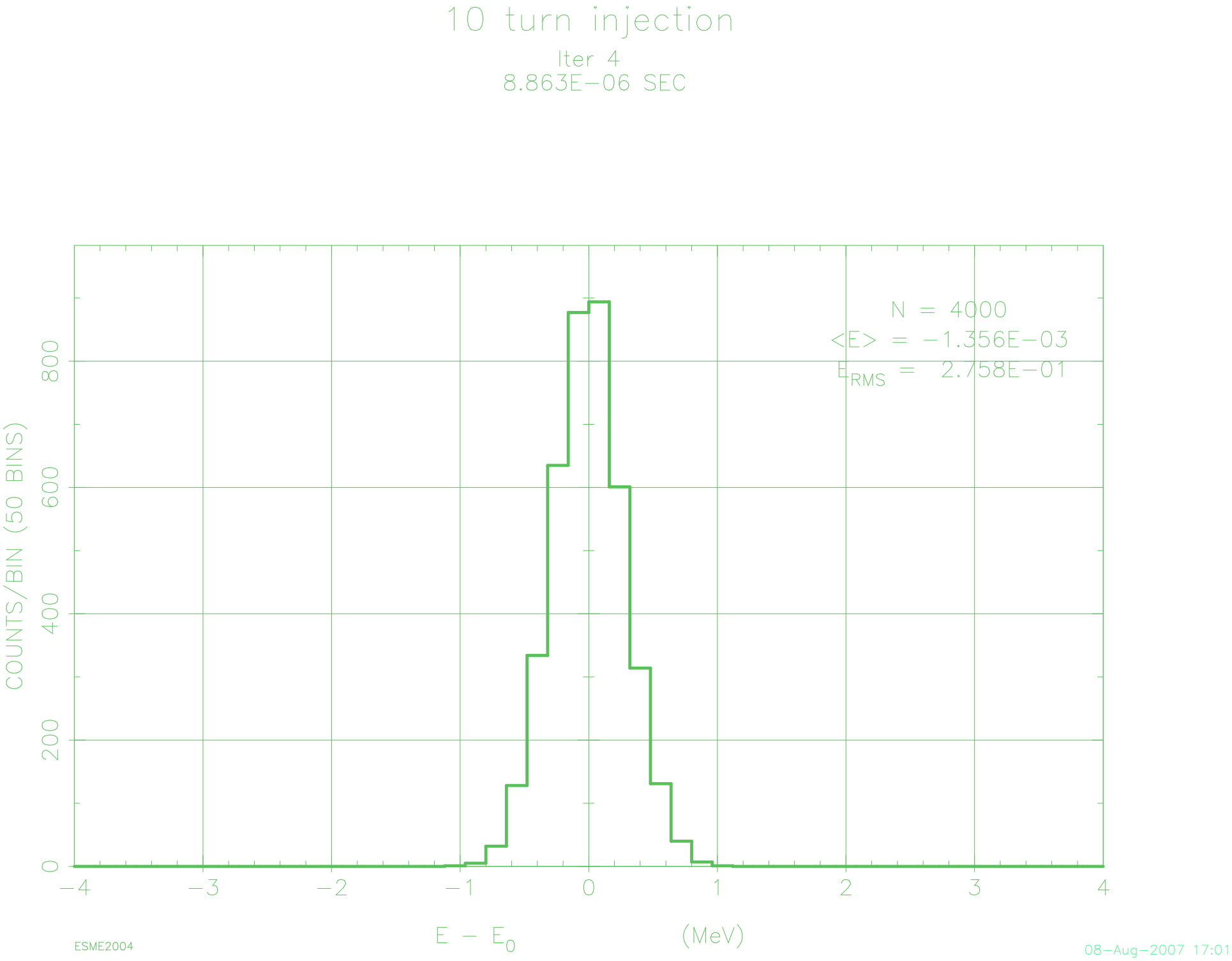
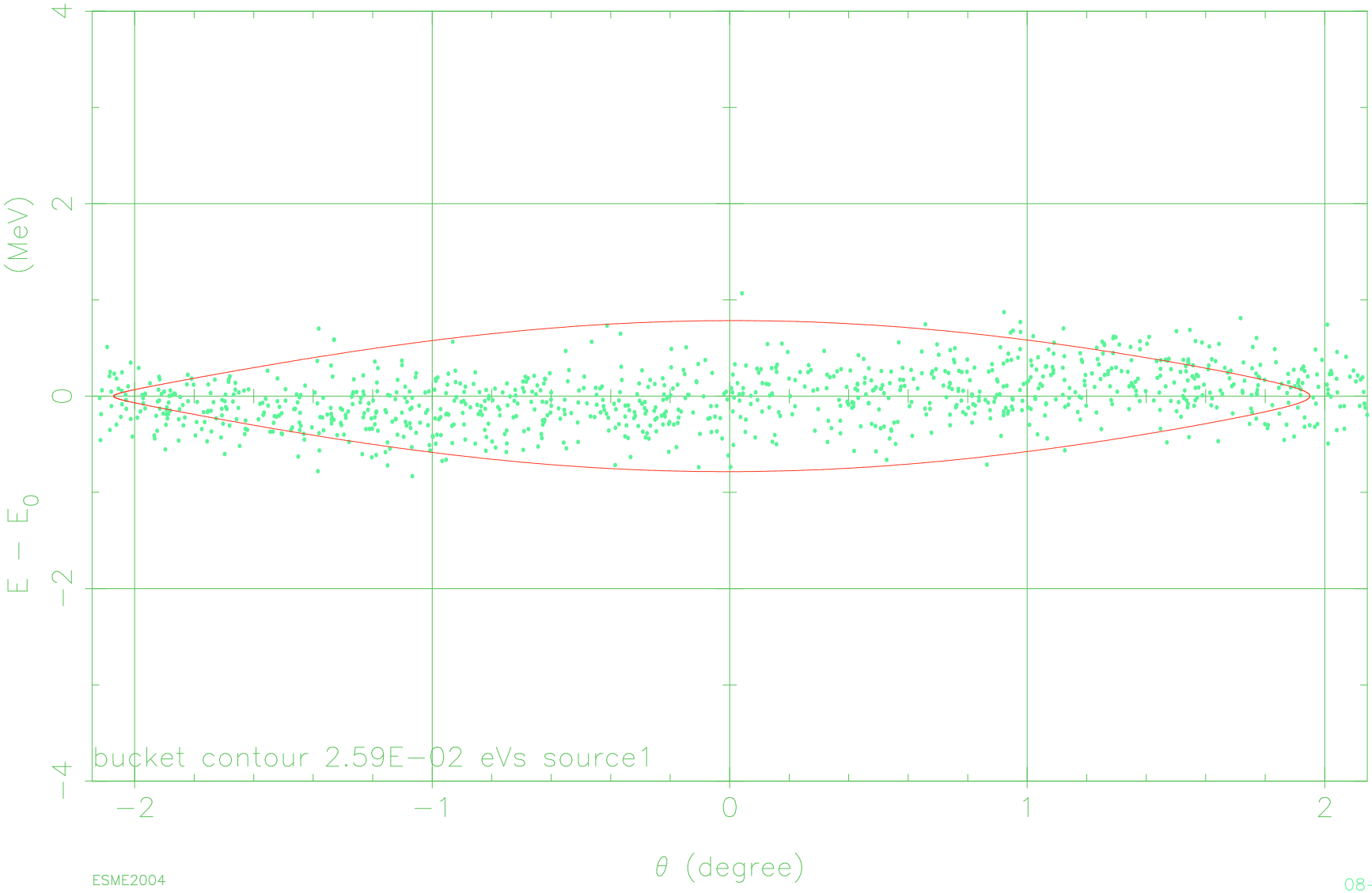

10 turn injection
Iter 4
8.863E−06 SEC
N = 4000
<E> = −1.356E−03
E_RMS = 2.758E−01
COUNTS/BIN (50 BINS)
0
200
400
600
800
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 4 8.863E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
7.8464E−01	2.5893E−02	1.3398E+03	84	5.500E−02	−3.536E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.750E−02	1.793E+02
2.2179E−02	−7.8035E+01	−4.5673E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.1170E−03	4000			



ESME2004

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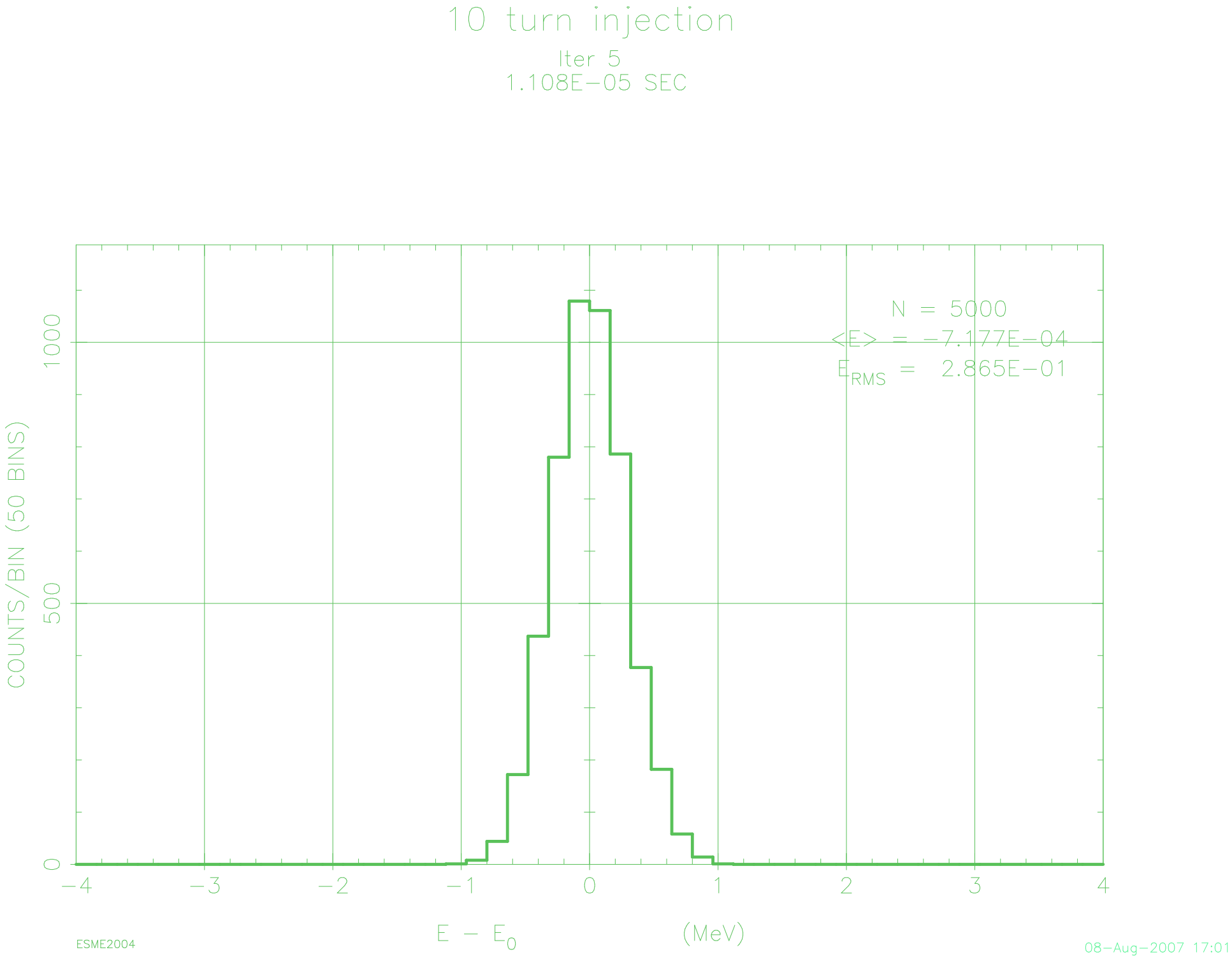
10 turn injection
Iter 5
1.108E−05 SEC
N = 5000
<E> = −7.177E−04
E_RMS = 2.865E−01
COUNTS/BIN (50 BINS)
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
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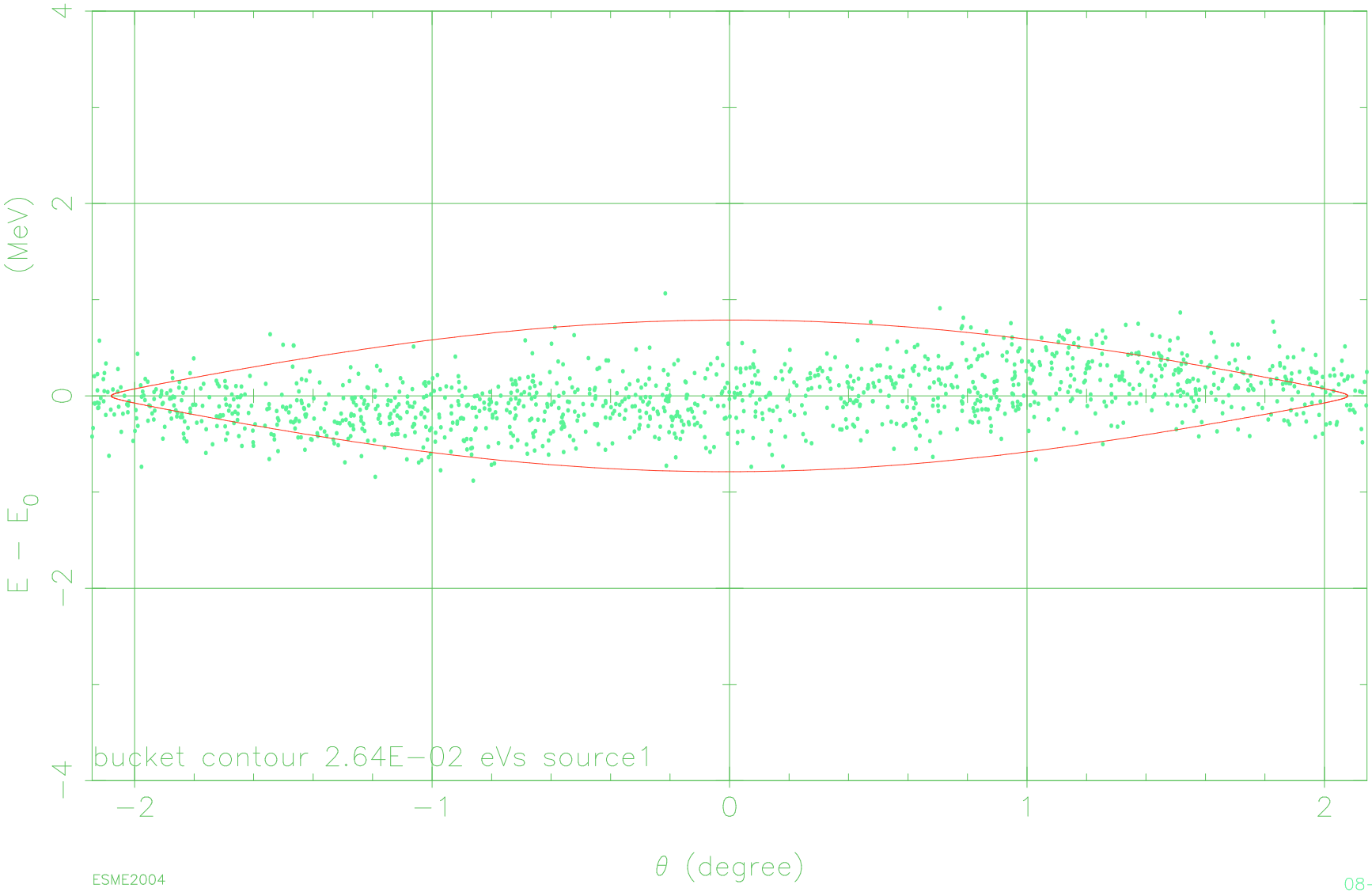
10 turn injection

Iter 5 1.108E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
7.8846E−01	2.6365E−02	1.3398E+03	84	5.500E−02	−6.016E−15
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.750E−02	1.800E+02
2.2180E−02	−2.2960E−12	−4.5673E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.1733E−03	5000			



ESME2004

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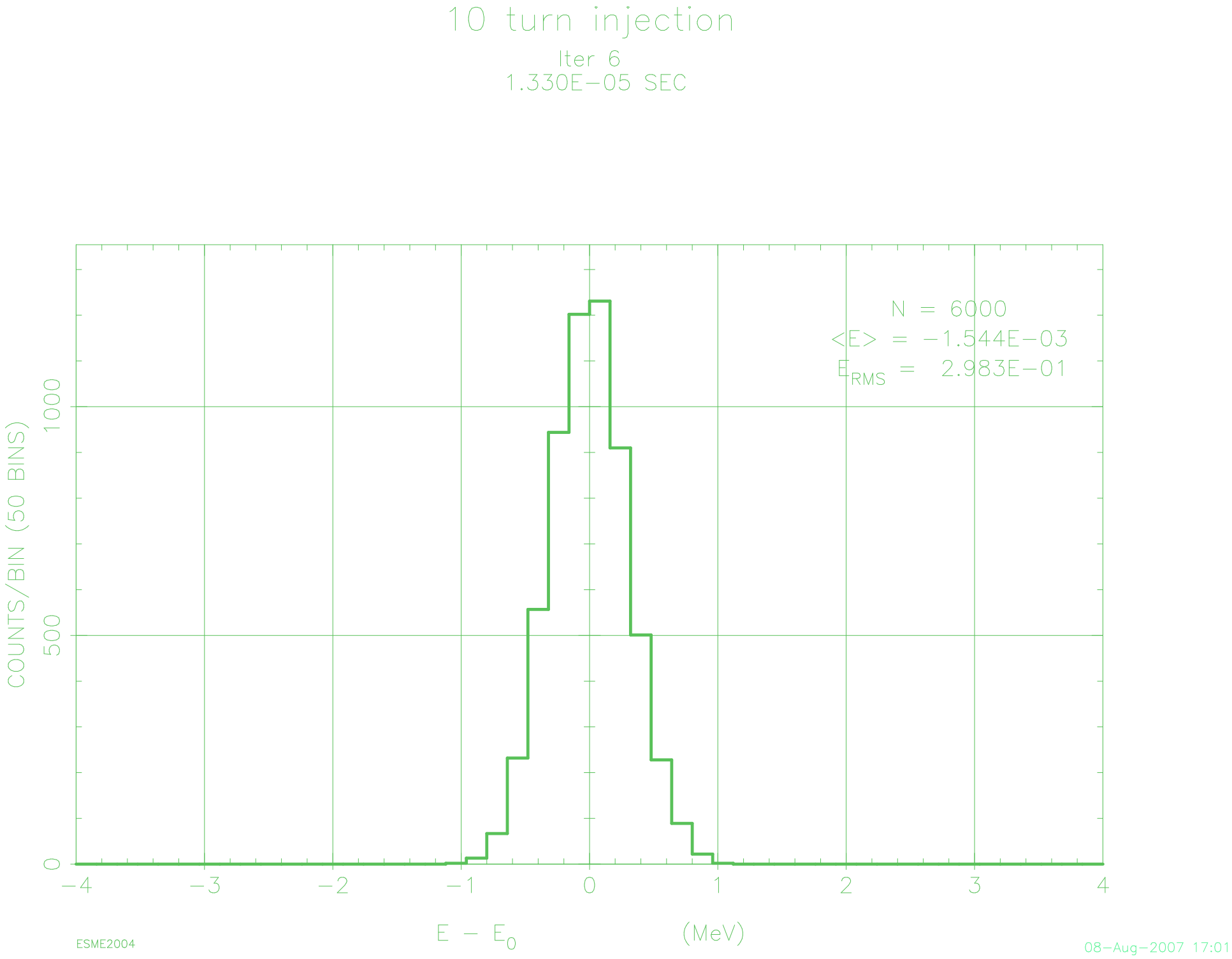
10 turn injection
Iter 6
1.330E−05 SEC
N = 6000
<E> = −1.544E−03
E_RMS = 2.983E−01
COUNTS/BIN (50 BINS)
0
500
1000
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
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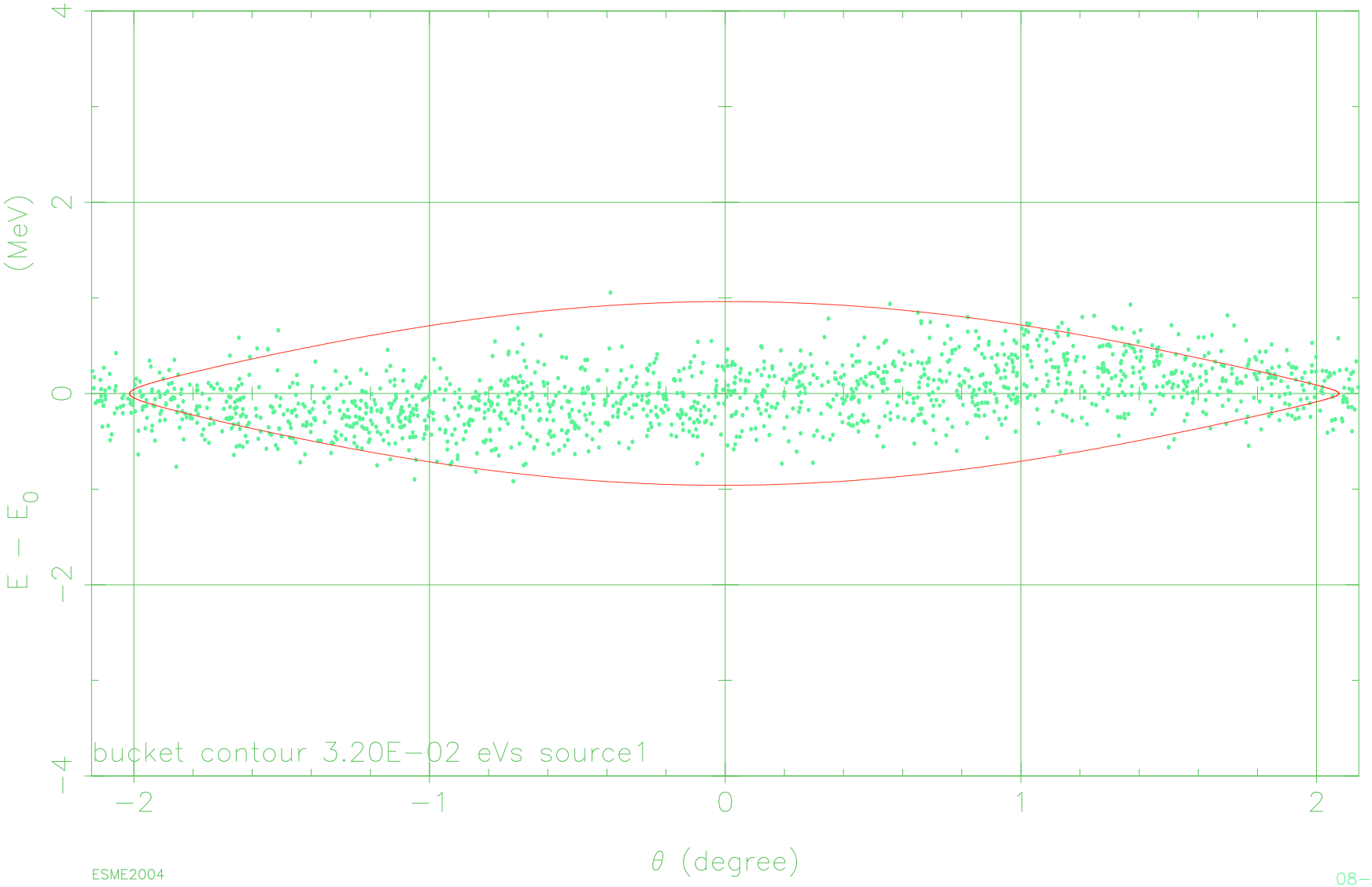
10 turn injection

Iter 6 1.330E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.6062E−01	3.1951E−02	1.3398E+03	84	5.504E−02	1.286E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.752E−02	1.800E+02
1.8186E−02	7.8118E+01	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.2589E−03	6000			



ESME2004

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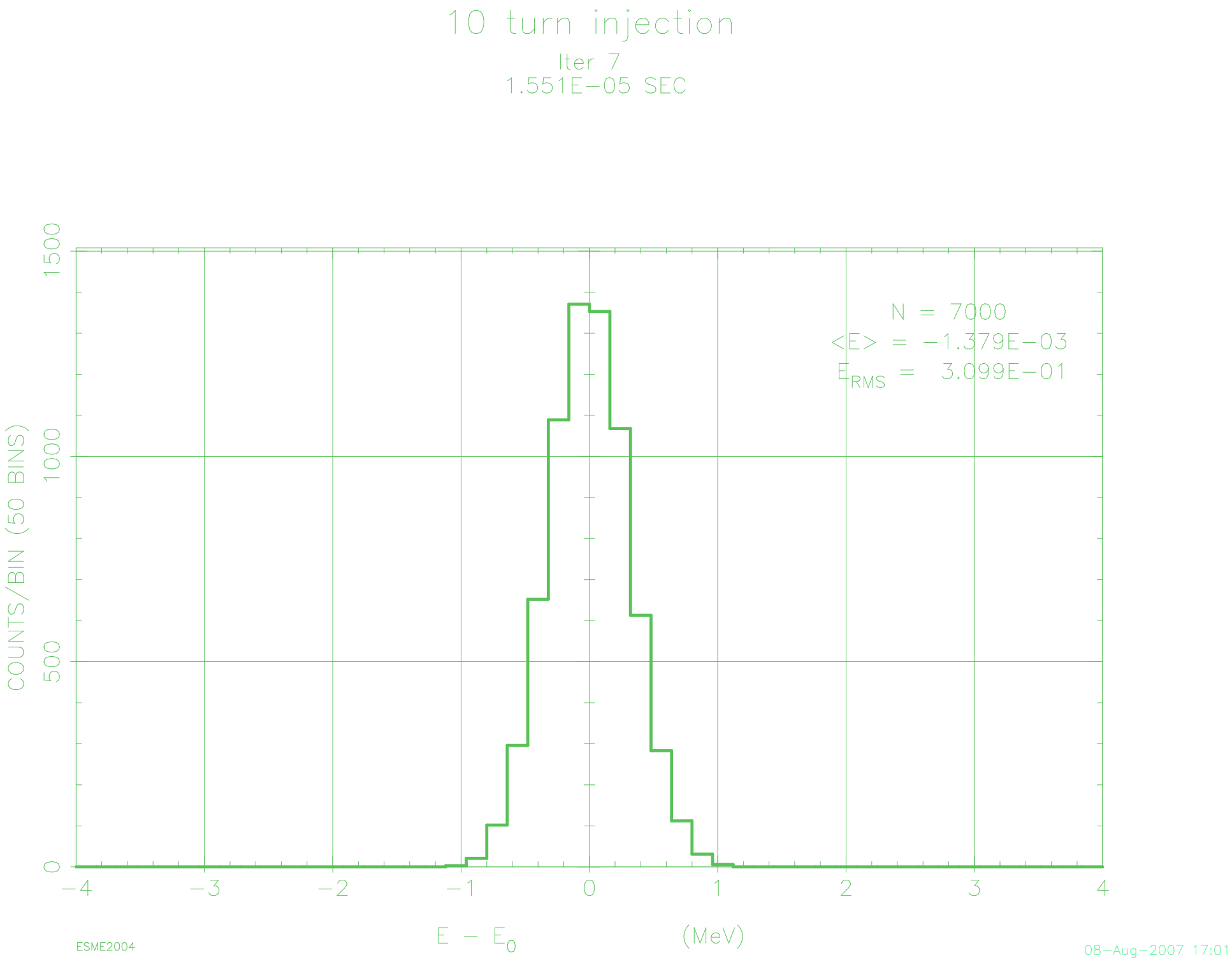
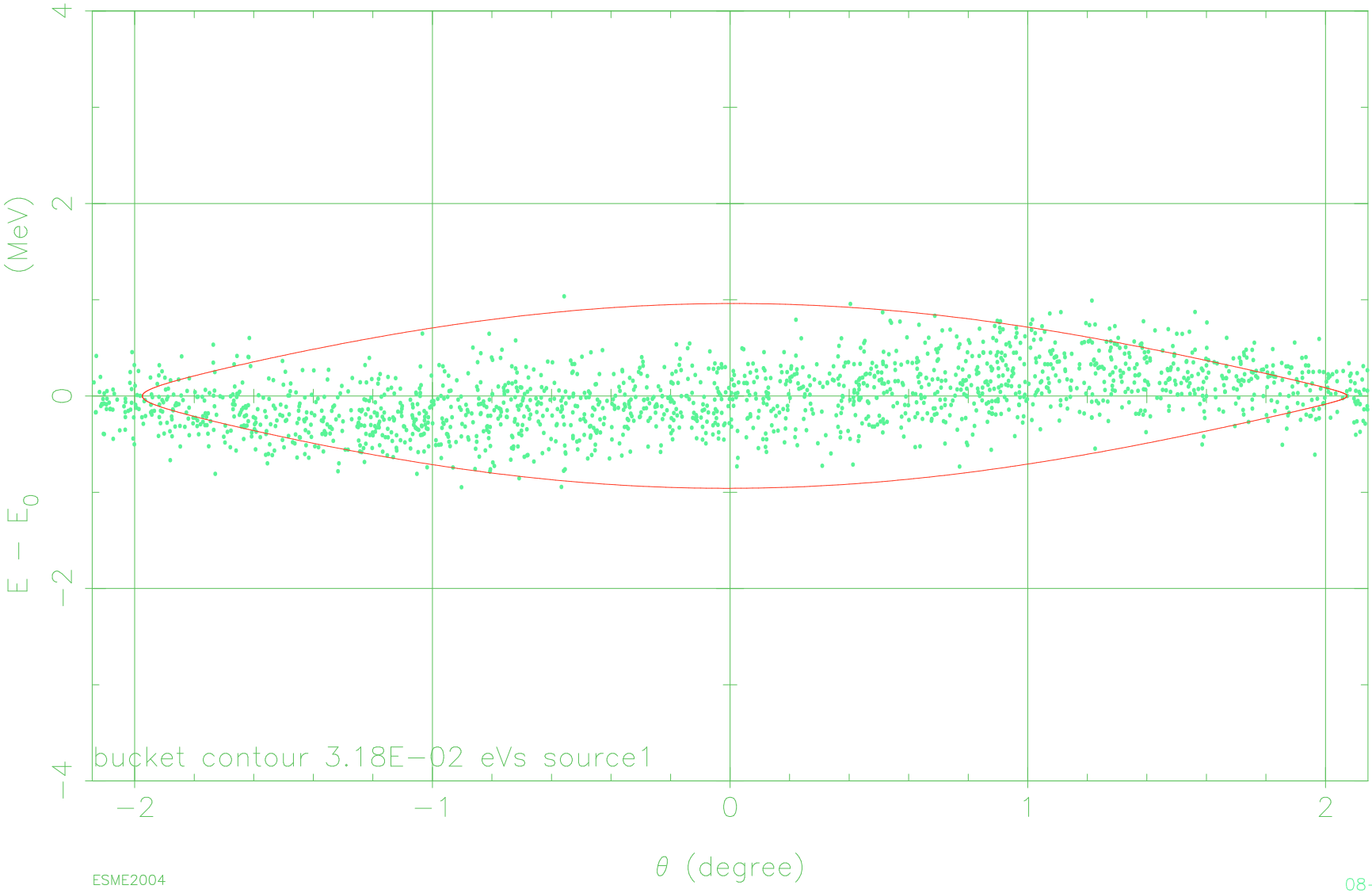

10 turn injection
Iter 7
1.551E−05 SEC
N = 7000
<E> = −1.379E−03
E_RMS = 3.099E−01
COUNTS/BIN (50 BINS)
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 7 1.551E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.5992E−01	3.1781E−02	1.3398E+03	84	5.515E−02	2.567E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.757E−02	1.800E+02
1.8204E−02	1.5624E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.3558E−03	7000			



ESME2004

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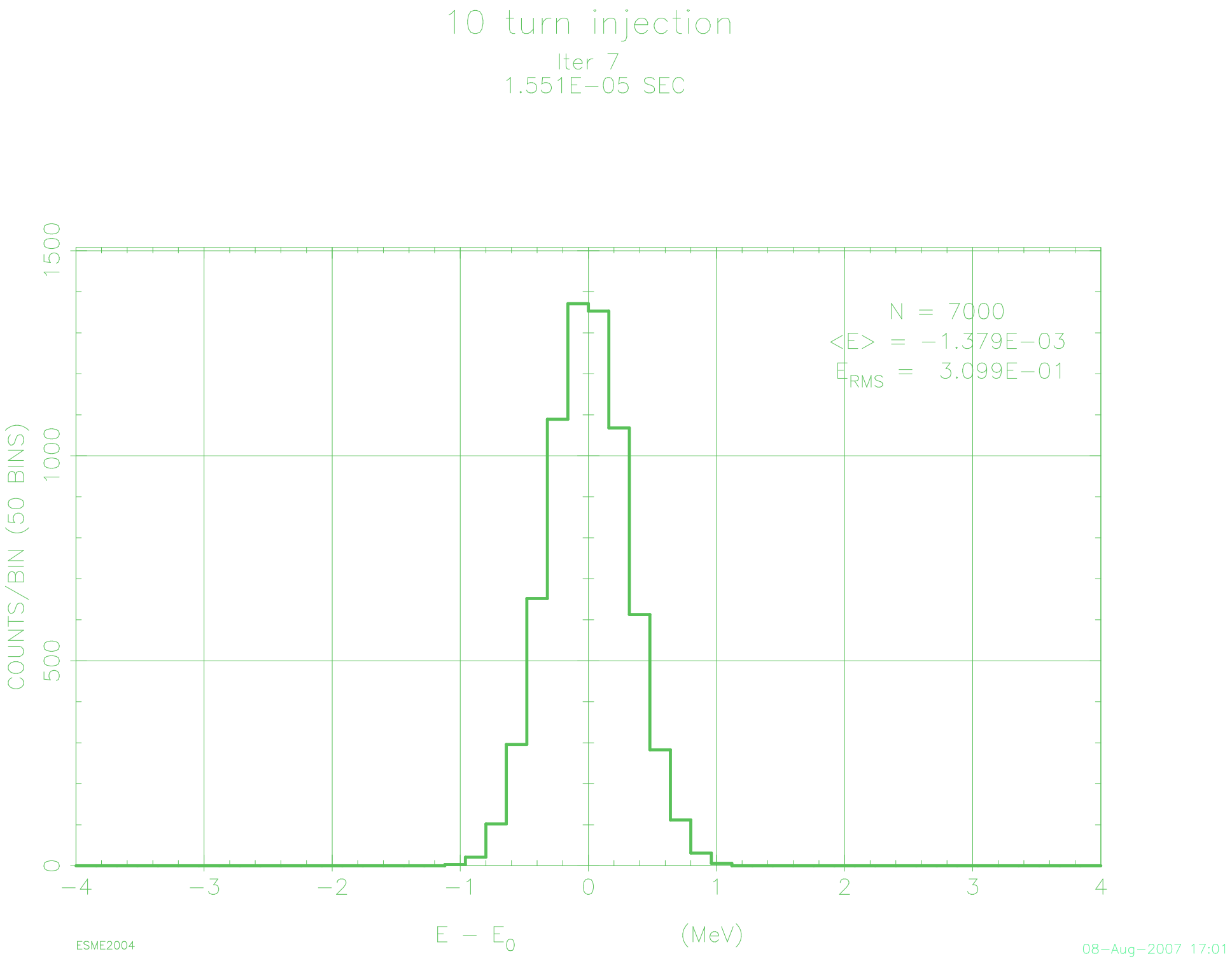
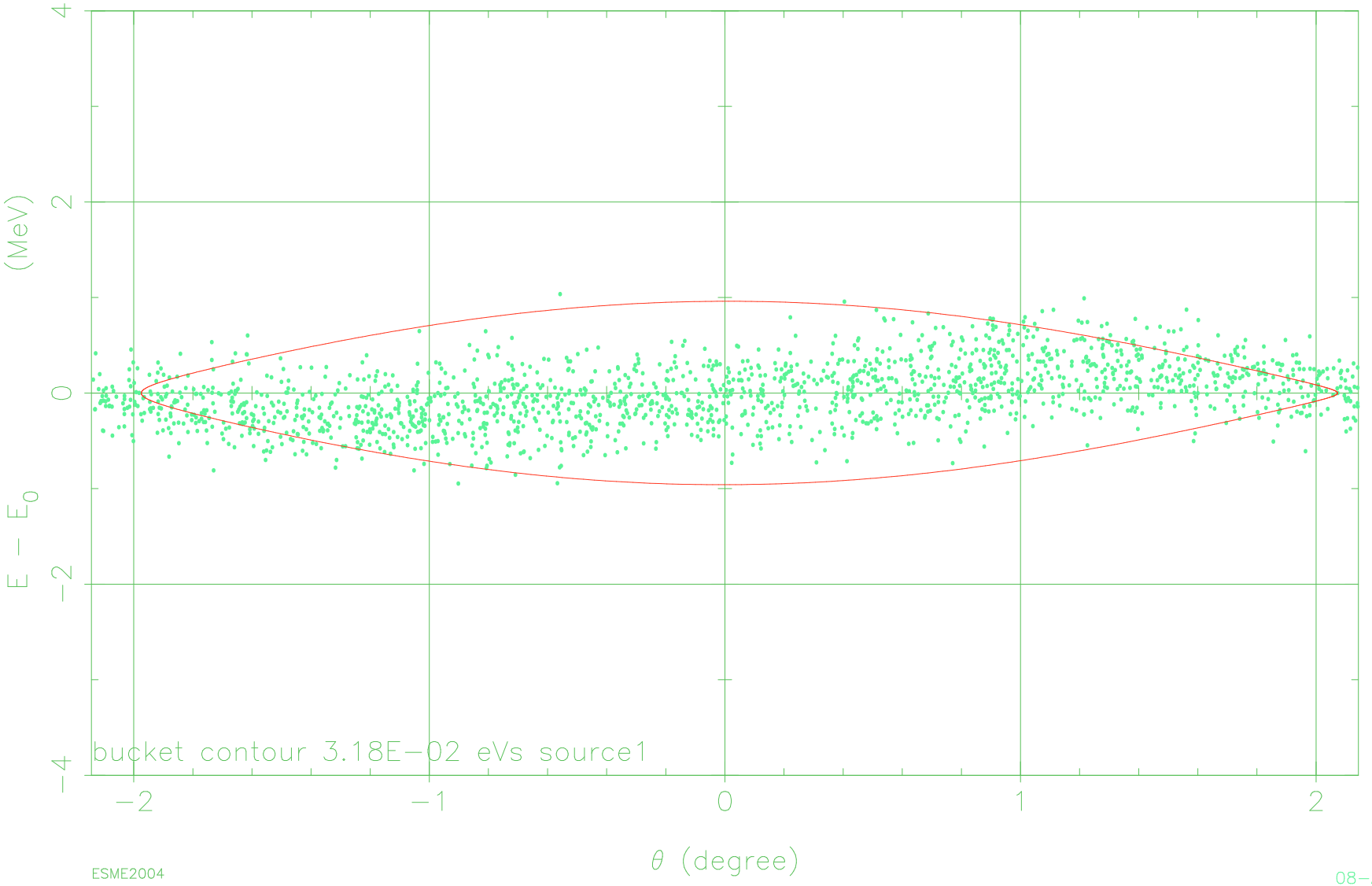

10 turn injection
Iter 7
1.551E−05 SEC
N = 7000
<E> = −1.379E−03
E_RMS = 3.099E−01
COUNTS/BIN (50 BINS)
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 7 1.551E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.5992E−01	3.1781E−02	1.3398E+03	84	5.515E−02	2.567E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.757E−02	1.800E+02
1.8204E−02	1.5624E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.3558E−03	7000			



ESME2004

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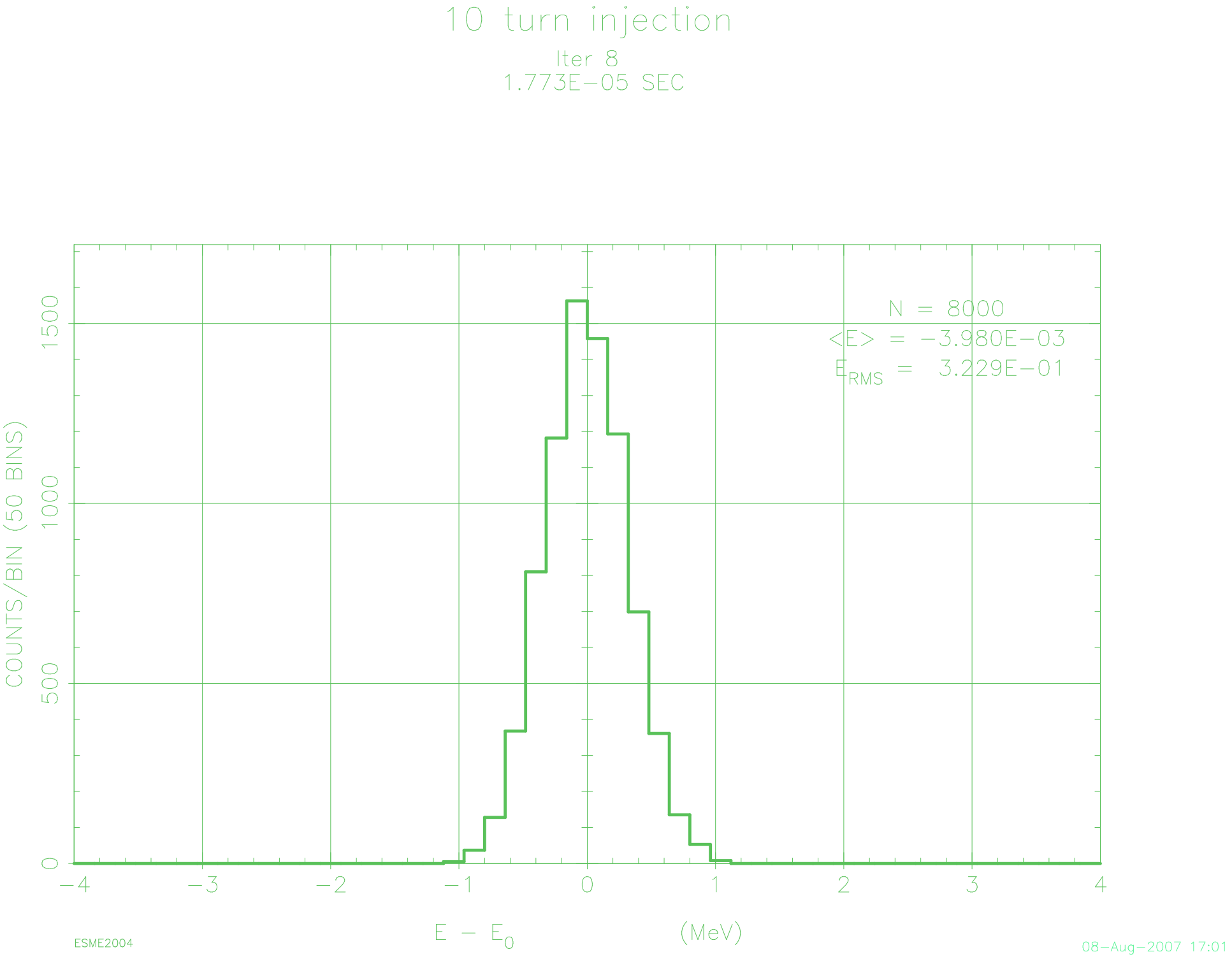
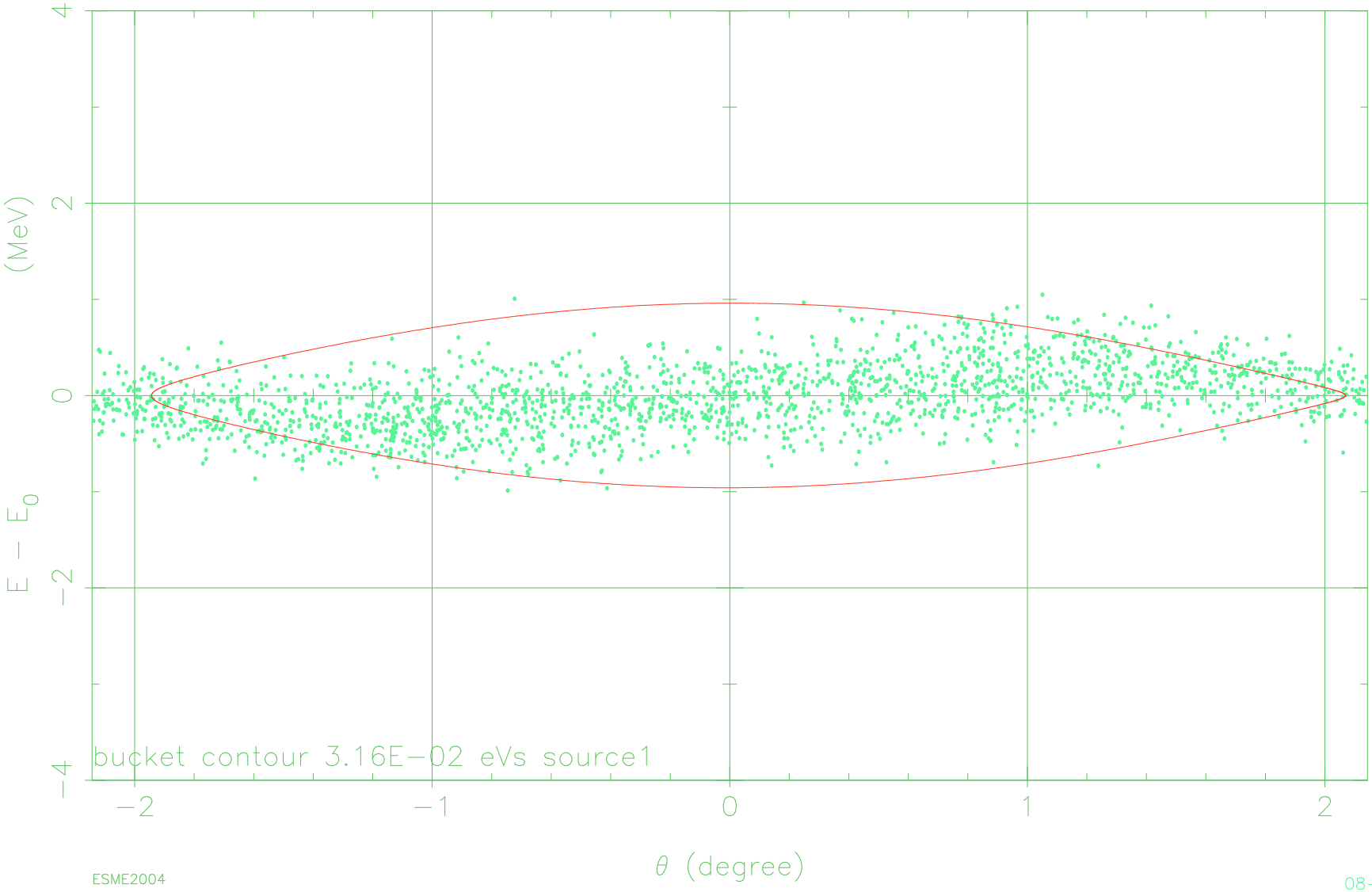

10 turn injection
Iter 8
1.773E−05 SEC
N = 8000
<E> = −3.980E−03
E_RMS = 3.229E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 8 1.773E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.5979E−01	3.1643E−02	1.3398E+03	84	5.533E−02	3.838E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.765E−02	1.800E+02
1.8234E−02	2.3436E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.5215E−03	8000			



ESME2004

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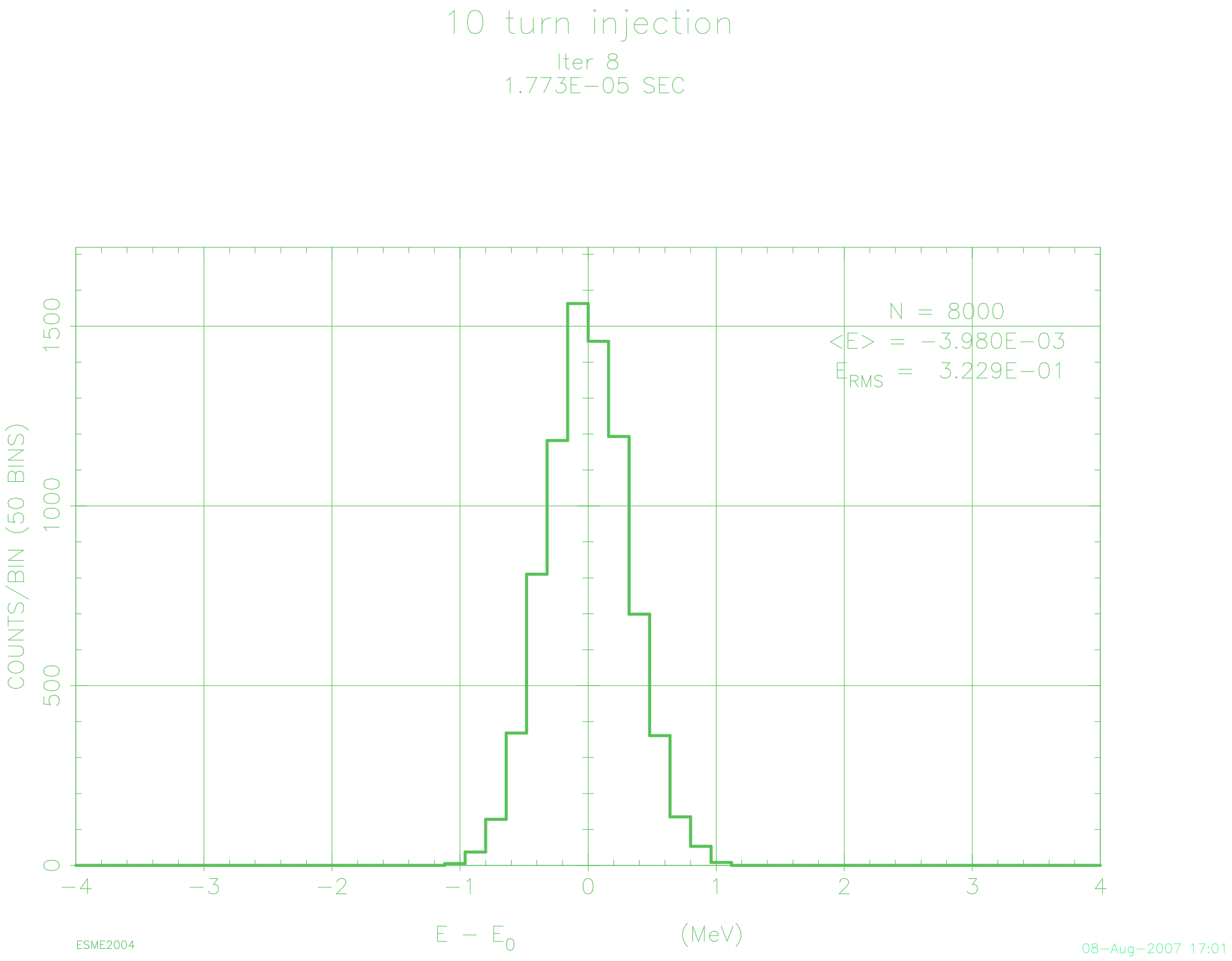
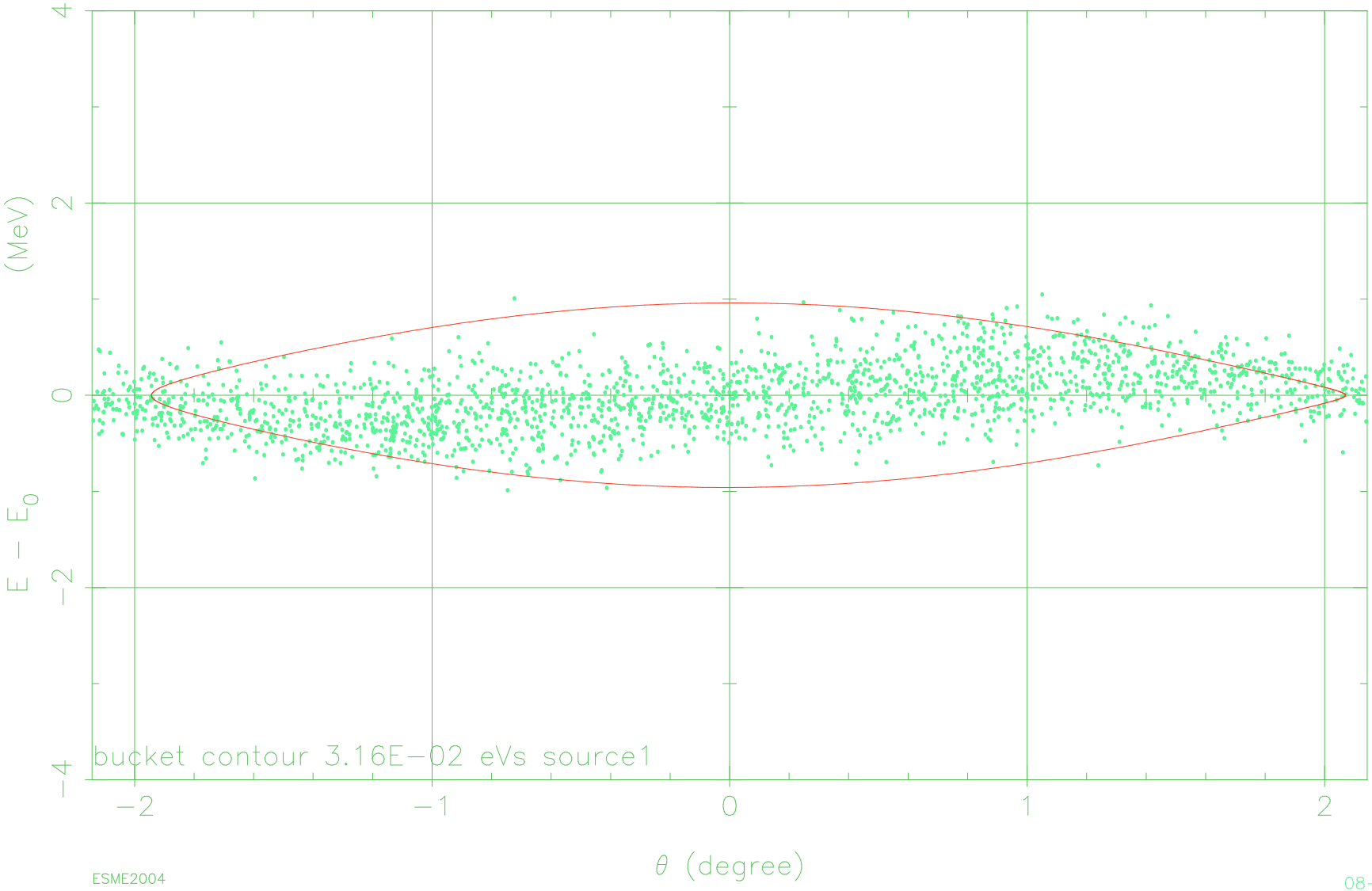

10 turn injection
Iter 8
1.773E−05 SEC
N = 8000
<E> = −3.980E−03
E_RMS = 3.229E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 8 1.773E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.5979E−01	3.1643E−02	1.3398E+03	84	5.533E−02	3.838E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.765E−02	1.800E+02
1.8234E−02	2.3436E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.5215E−03	8000			



ESME2004

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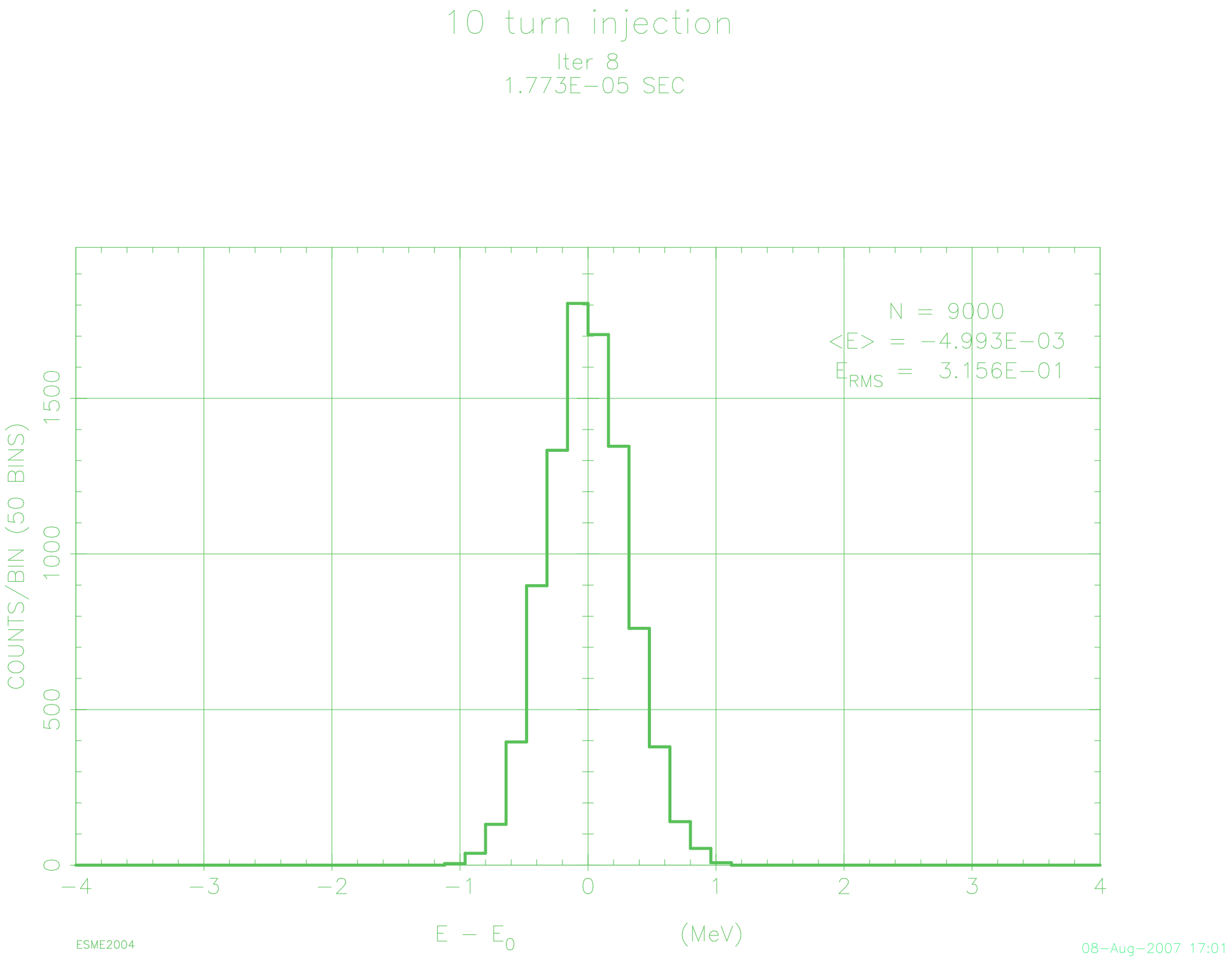
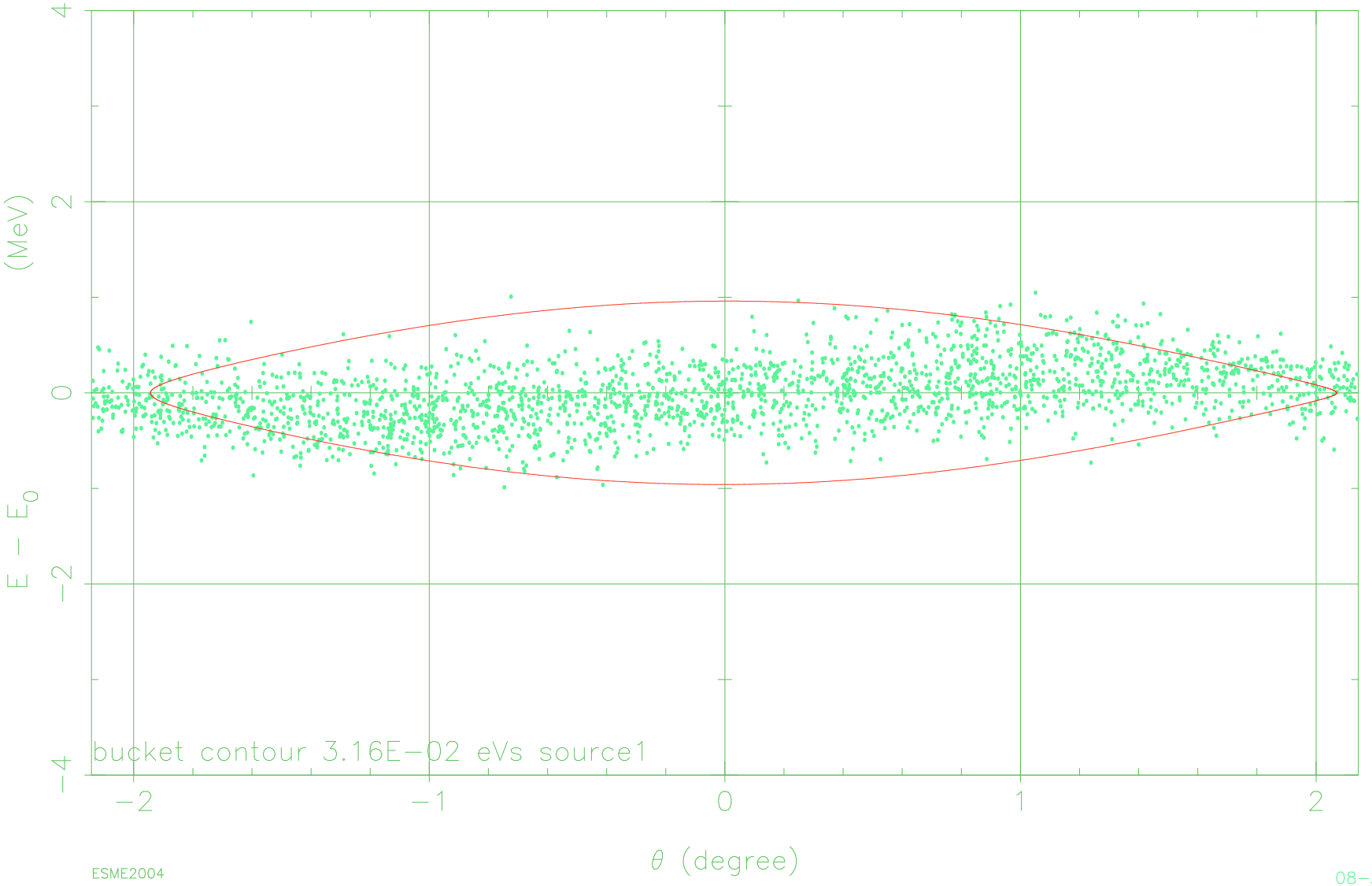

10 turn injection
Iter 8
1.773E−05 SEC
N = 9000
<E> = −4.993E−03
E_RMS = 3.156E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 8 1.773E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.5979E−01	3.1643E−02	1.3398E+03	84	5.533E−02	3.838E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.765E−02	1.800E+02
1.8234E−02	2.3436E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.5526E−03	9000			



ESME2004

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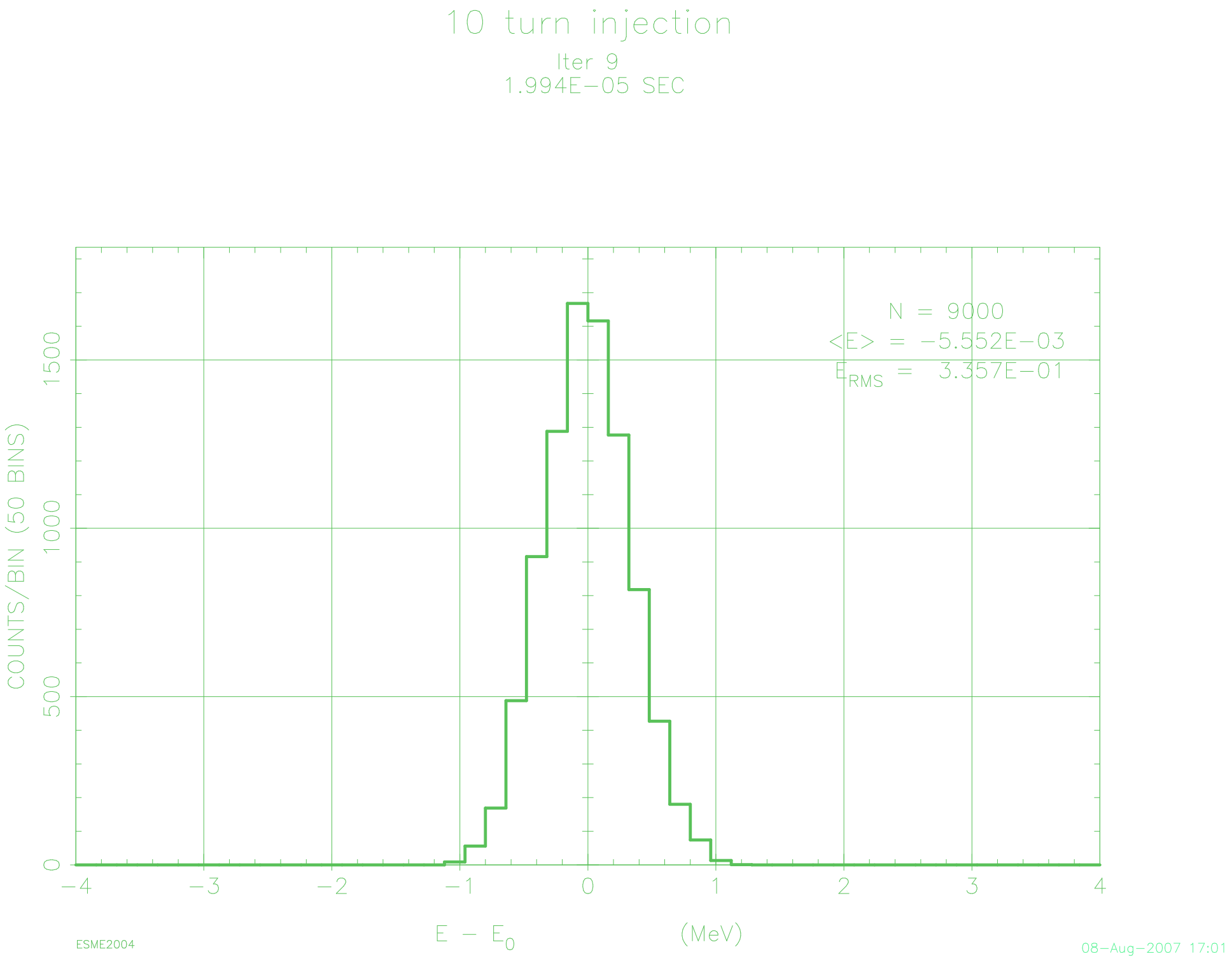
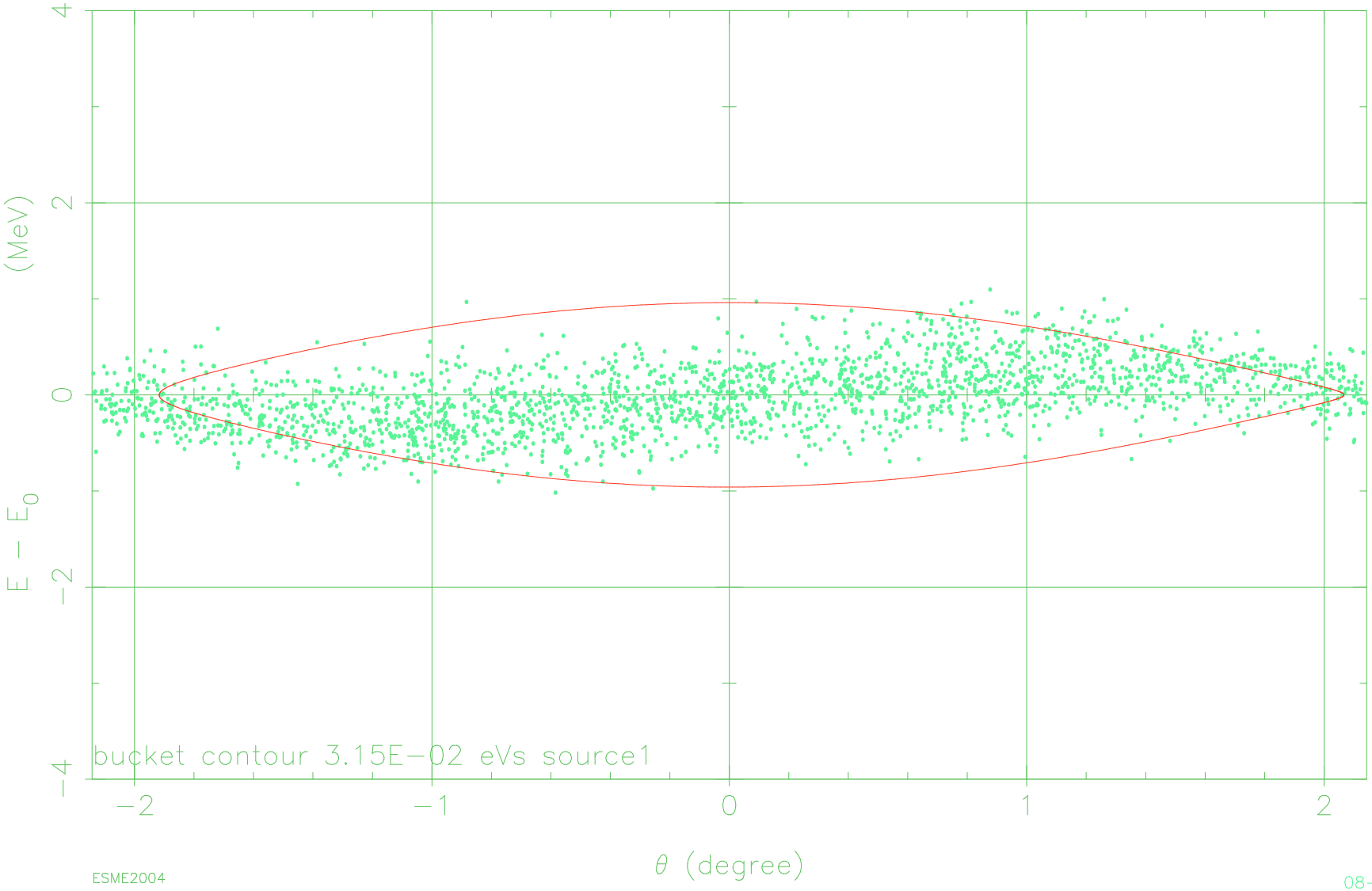

10 turn injection
Iter 9
1.994E−05 SEC
N = 9000
<E> = −5.552E−03
E_RMS = 3.357E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 9 1.994E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.6012E−01	3.1529E−02	1.3398E+03	84	5.556E−02	5.097E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.775E−02	1.800E+02
1.8271E−02	3.1247E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.6241E−03	9000			



ESME2004

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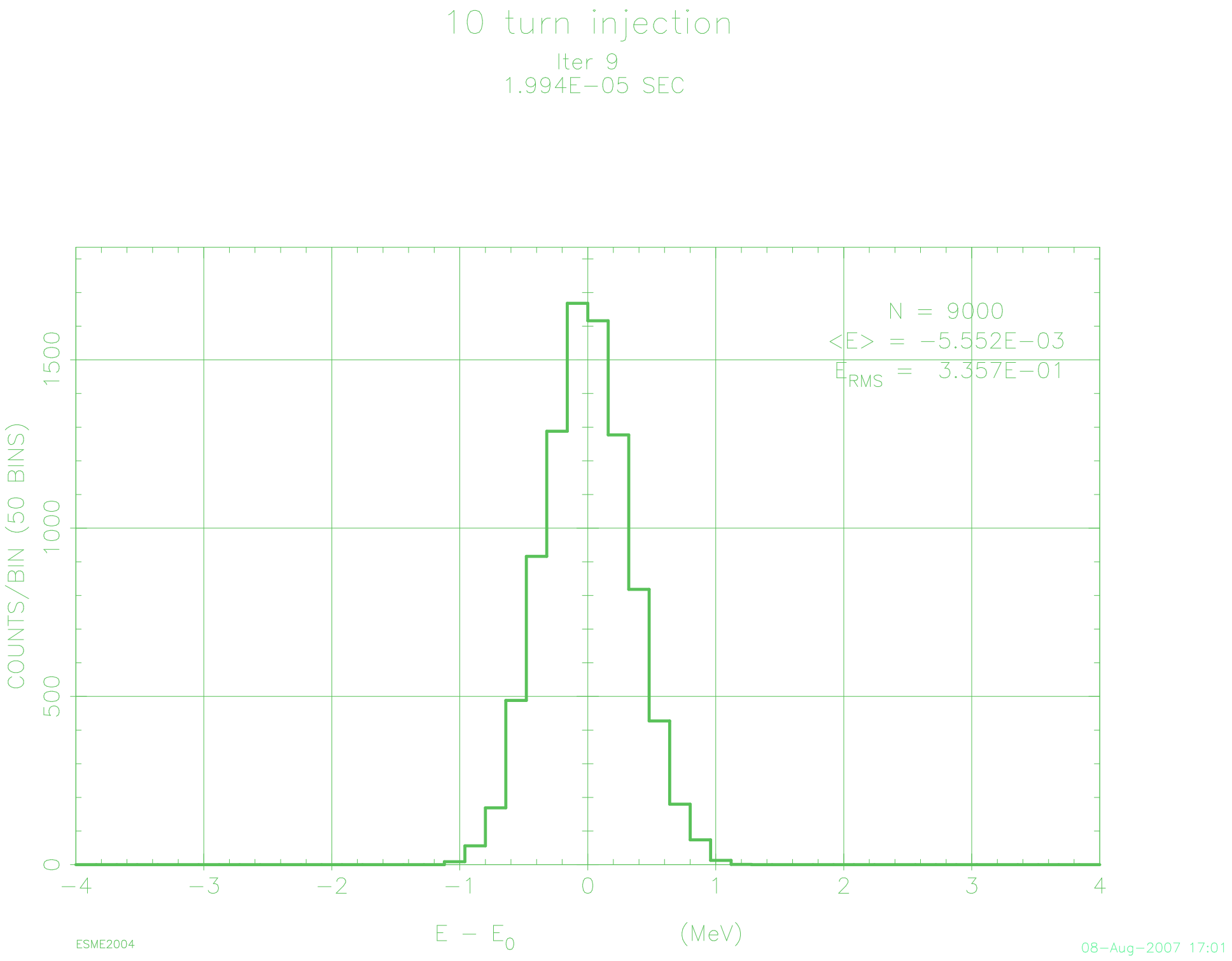
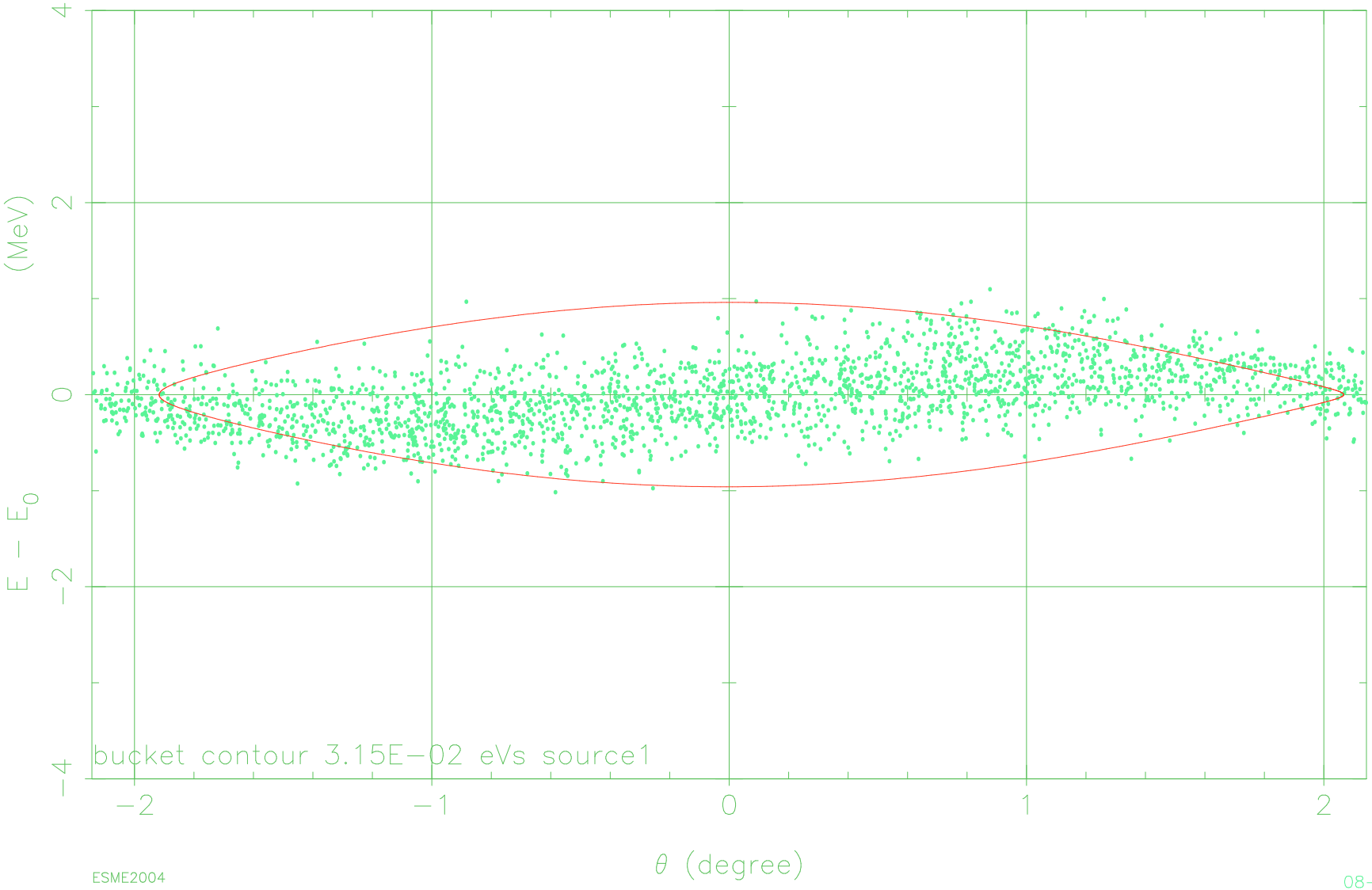

10 turn injection
Iter 9
1.994E−05 SEC
N = 9000
<E> = −5.552E−03
E_RMS = 3.357E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

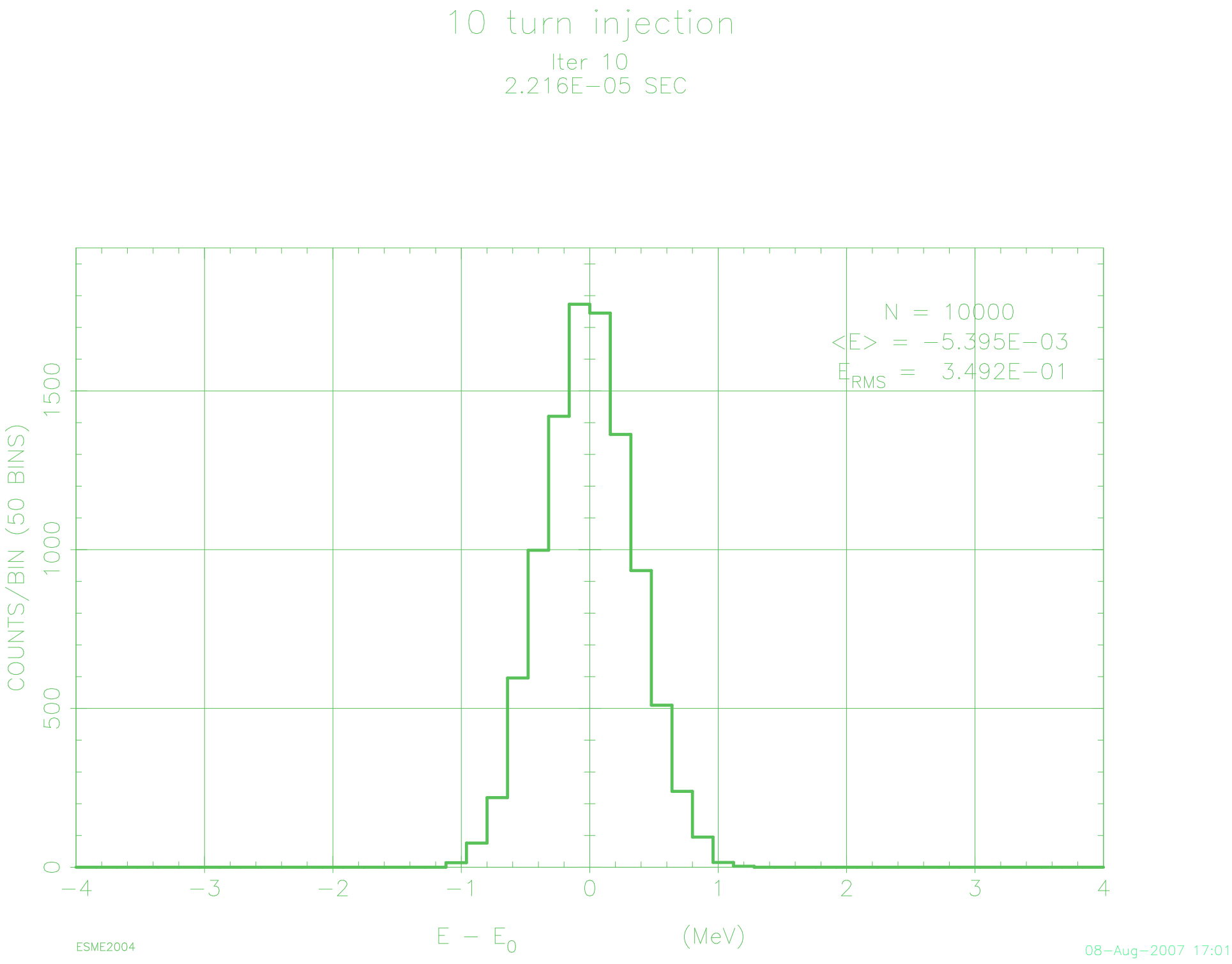
Iter 9 1.994E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.6012E−01	3.1529E−02	1.3398E+03	84	5.556E−02	5.097E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.775E−02	1.800E+02
1.8271E−02	3.1247E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.6241E−03	9000			



ESME2004

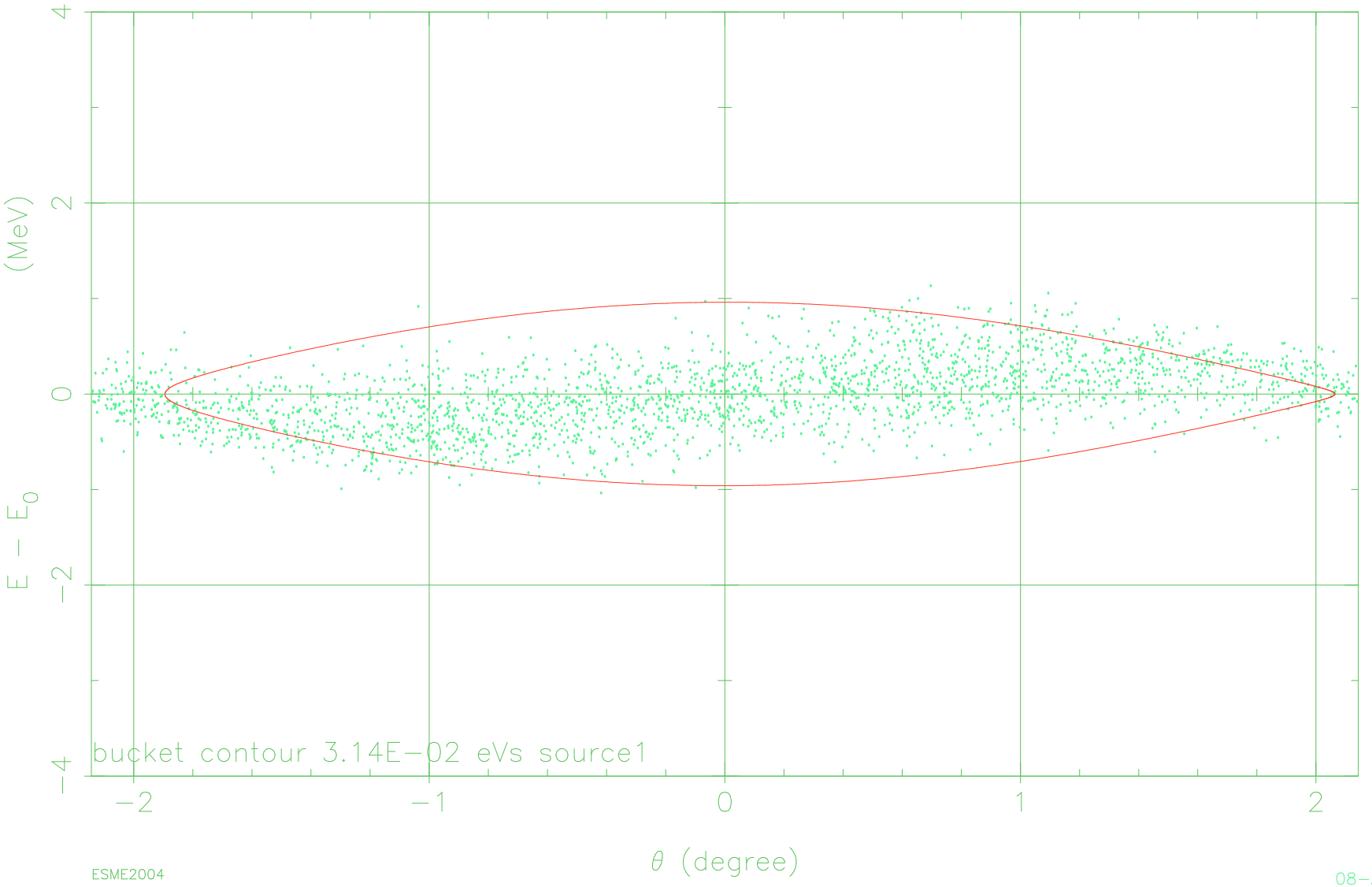
08−Aug−2007 17:01


10 turn injection
Iter 10
2.216E−05 SEC
N = 10000
<E> = −5.395E−03
E_RMS = 3.492E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E0 (MeV)
ESME2004
08−Aug−2007 17:01

10 turn injection

Iter 10 2.216E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.6080E−01	3.1435E−02	1.3398E+03	84	5.583E−02	6.340E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.785E−02	1.800E+02
1.8316E−02	3.9059E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.7847E−03	10000			



ESME2004

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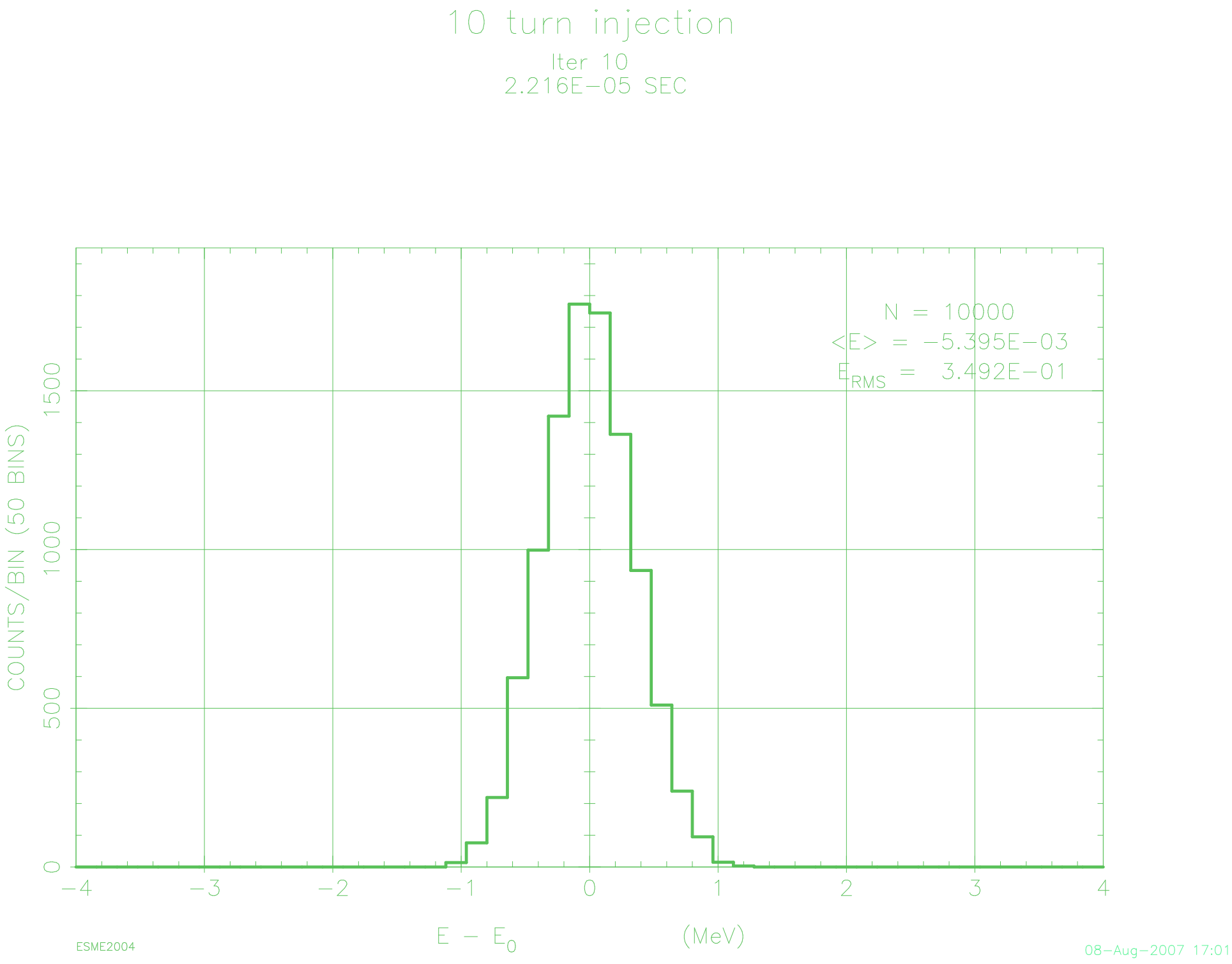
10 turn injection
Iter 10
2.216E−05 SEC
N = 10000
<E> = −5.395E−03
E_RMS = 3.492E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
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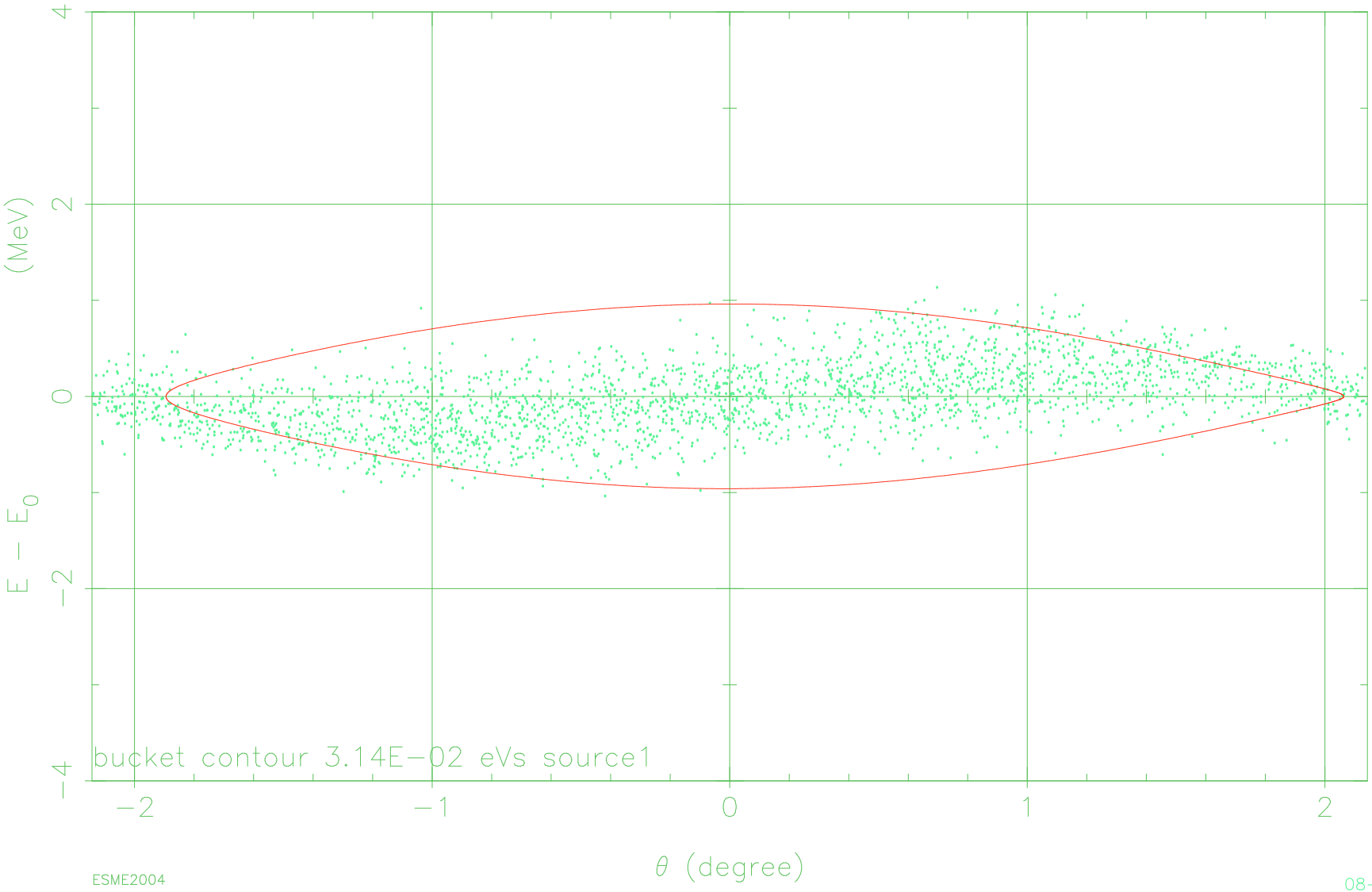
10 turn injection

Iter 10 2.216E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.6080E−01	3.1435E−02	1.3398E+03	84	5.583E−02	6.340E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	1.785E−02	1.800E+02
1.8316E−02	3.9059E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.7847E−03	10000			



ESME2004

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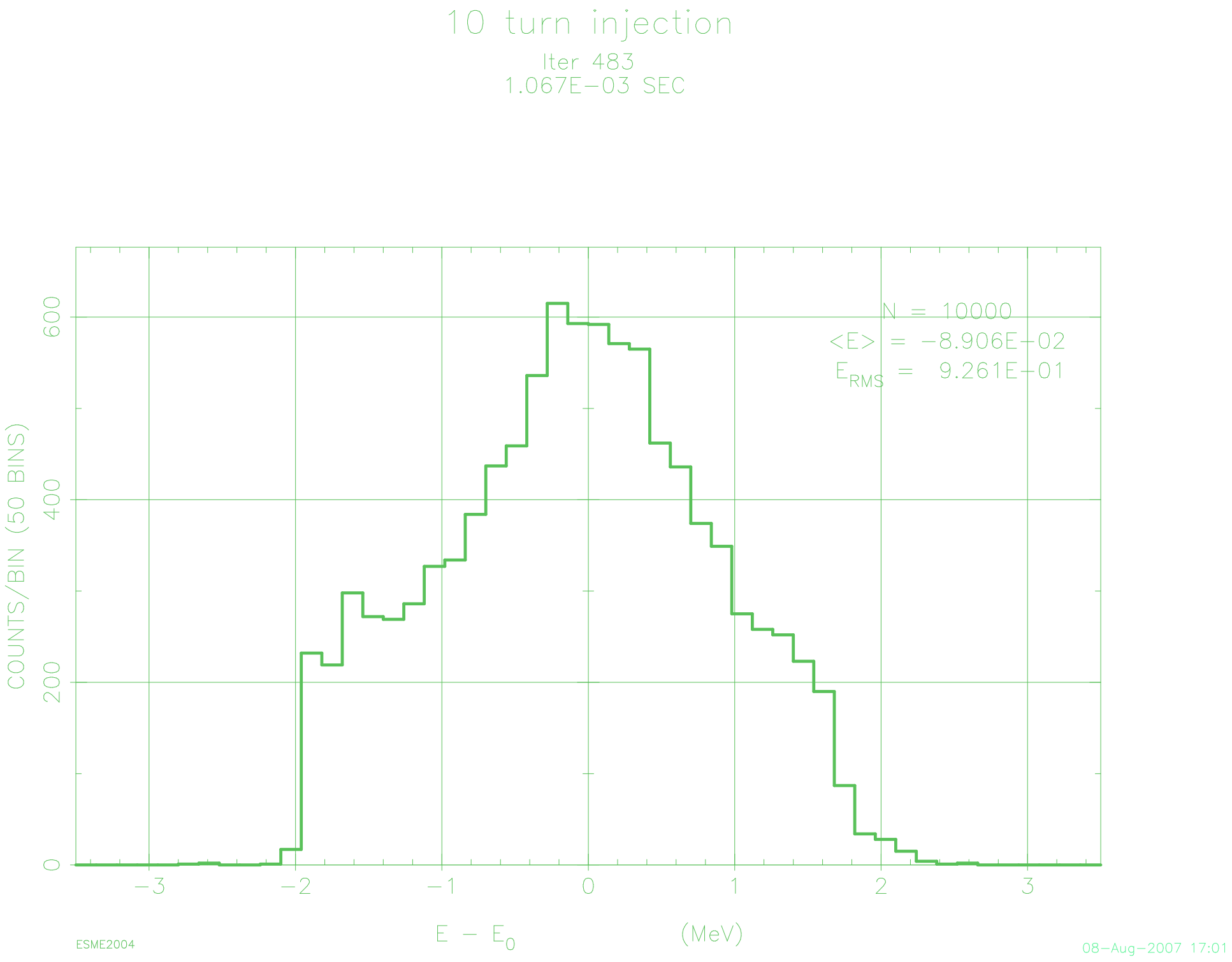
10 turn injection
Iter 483
1.067E−03 SEC
N = 10000
<E> = −8.906E−02
E_RMS = 9.261E−01
COUNTS/BIN (50 BINS)
0
200
400
600
−3
−2
−1
0
1
2
3
E − E0
(MeV)
ESME2004
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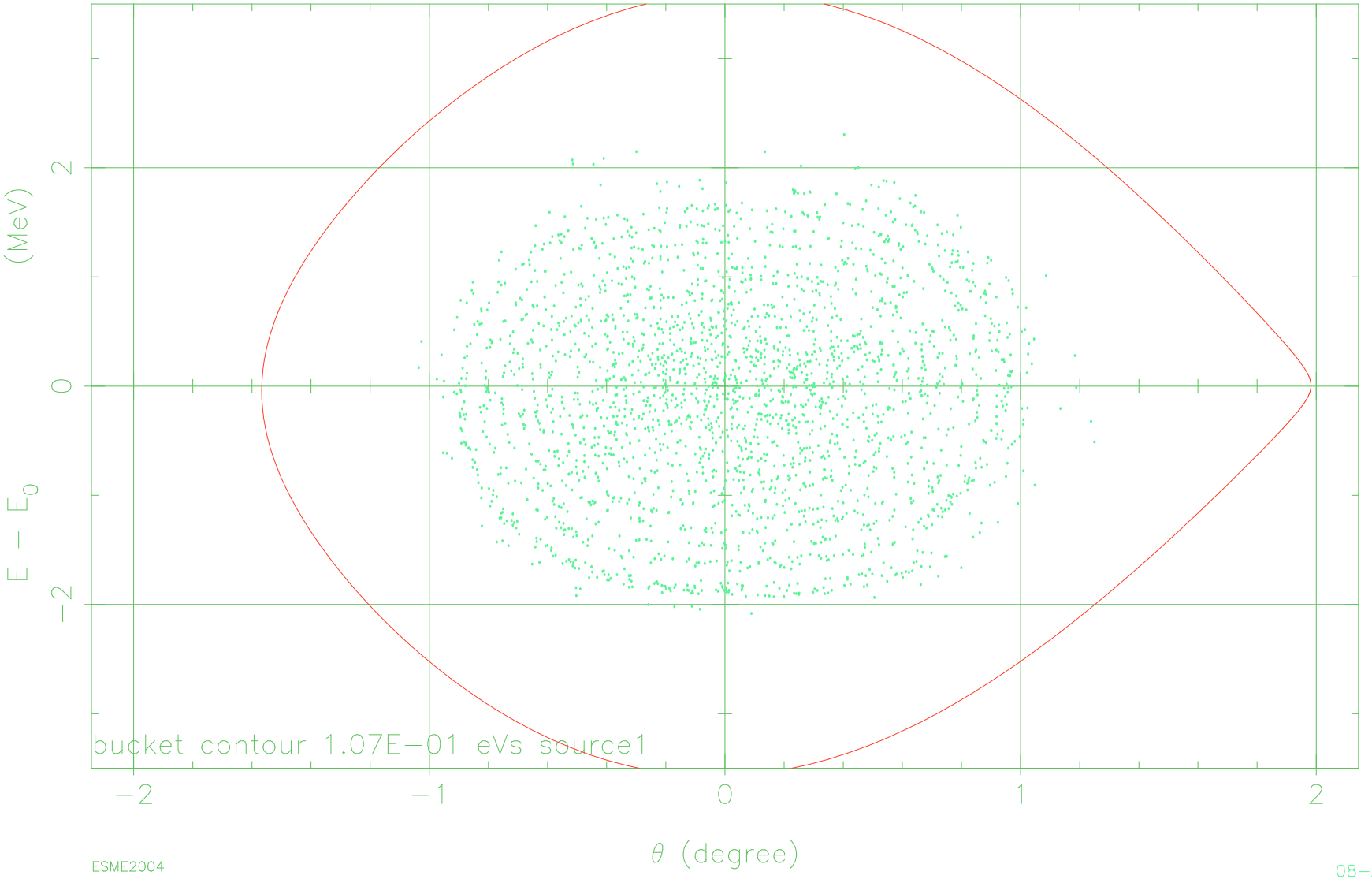
10 turn injection

Iter 483 1.067E−03 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
3.5856E+00	1.0699E−01	1.3539E+03	84	8.070E−01	4.176E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η	168	3.000E−01	1.800E+02
6.7354E−02	3.7155E+04	−2.9666E−01			
τ (s)	S_b (eV s)	N			
2.1941E−06	8.3235E−03	10000			



ESME2004

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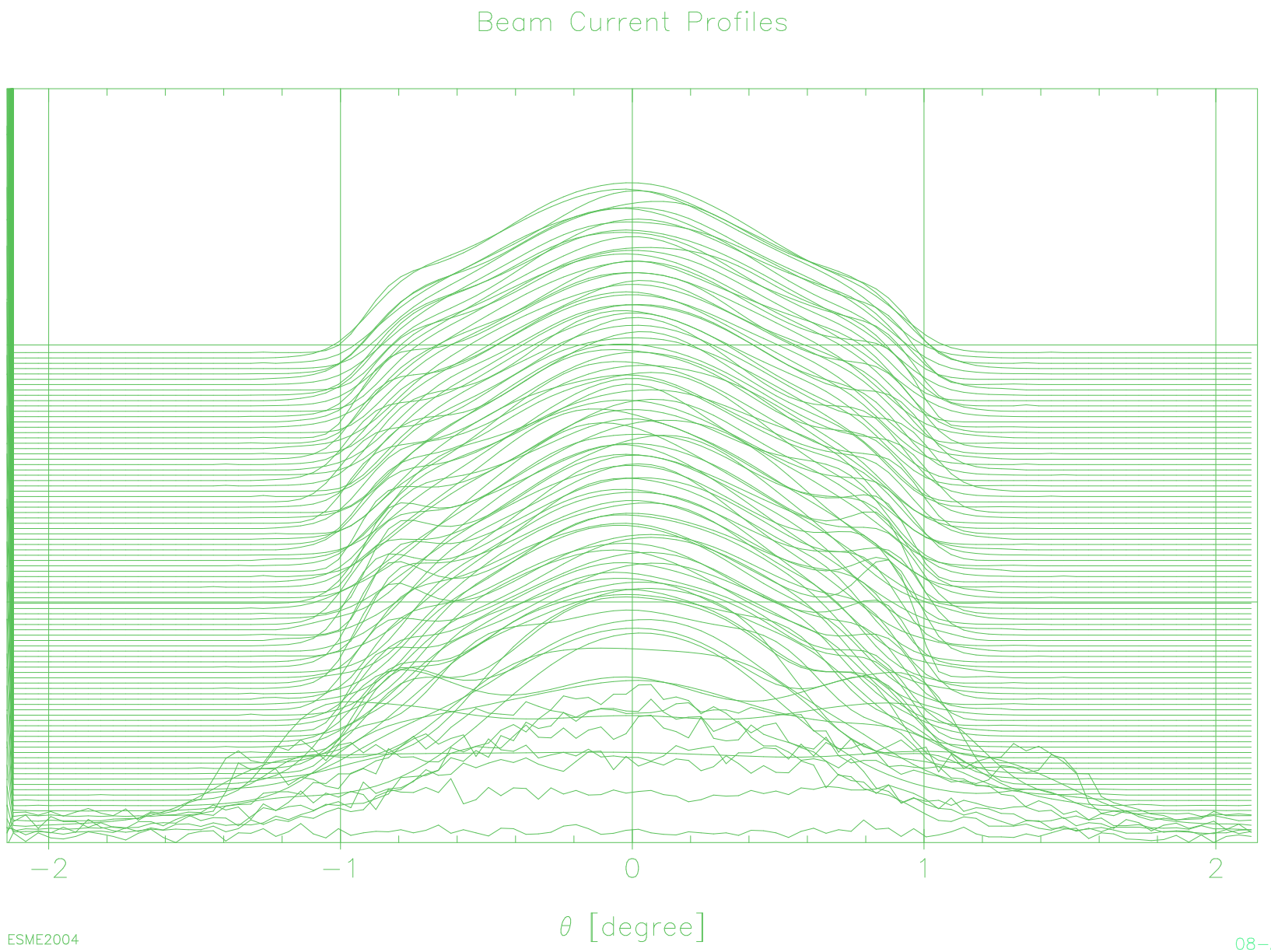
10 turn injection

every 5 turns, from turn 5



ESME2004

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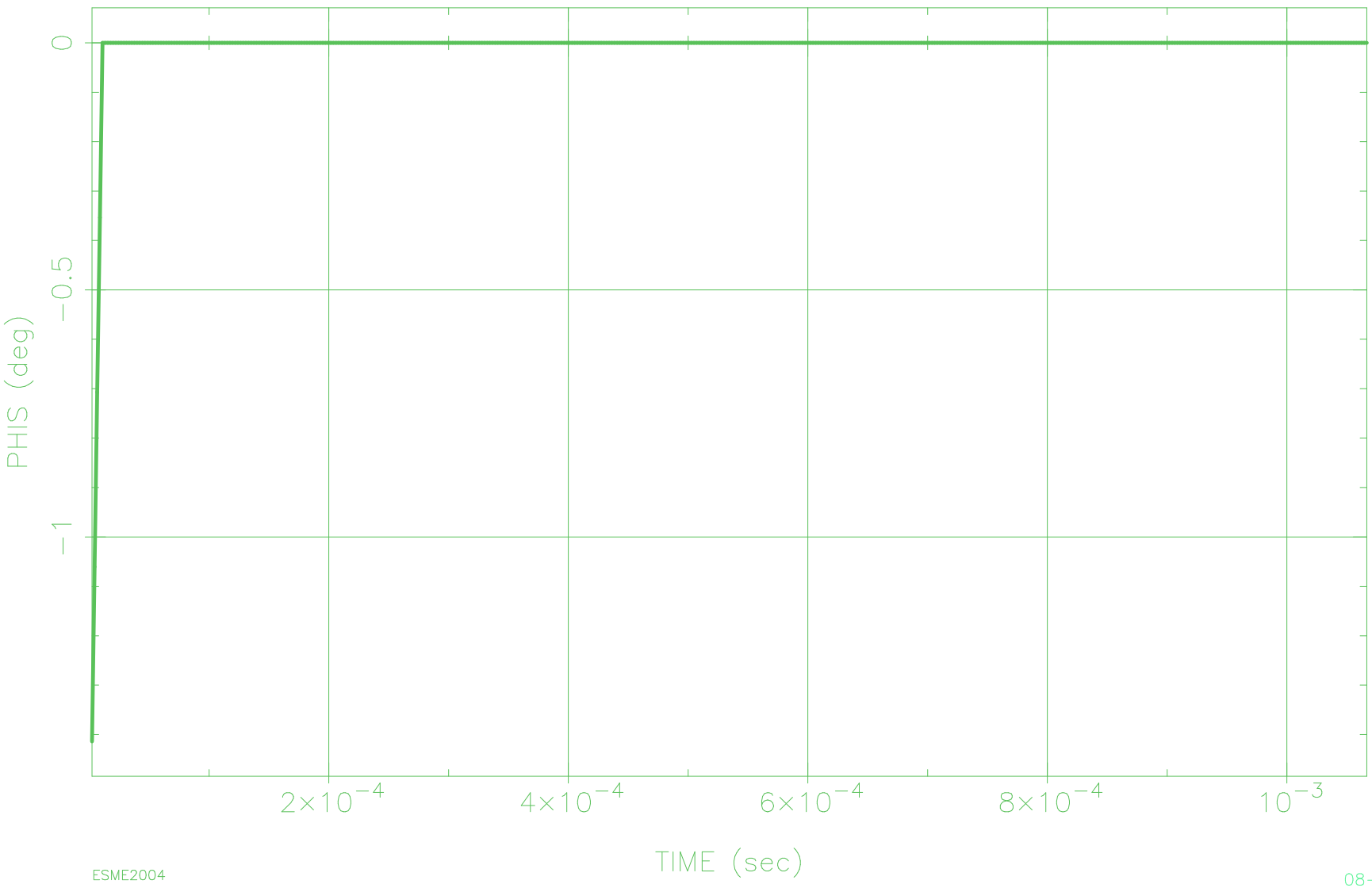
10 turn injection

PHIS VS TIME



ESME2004

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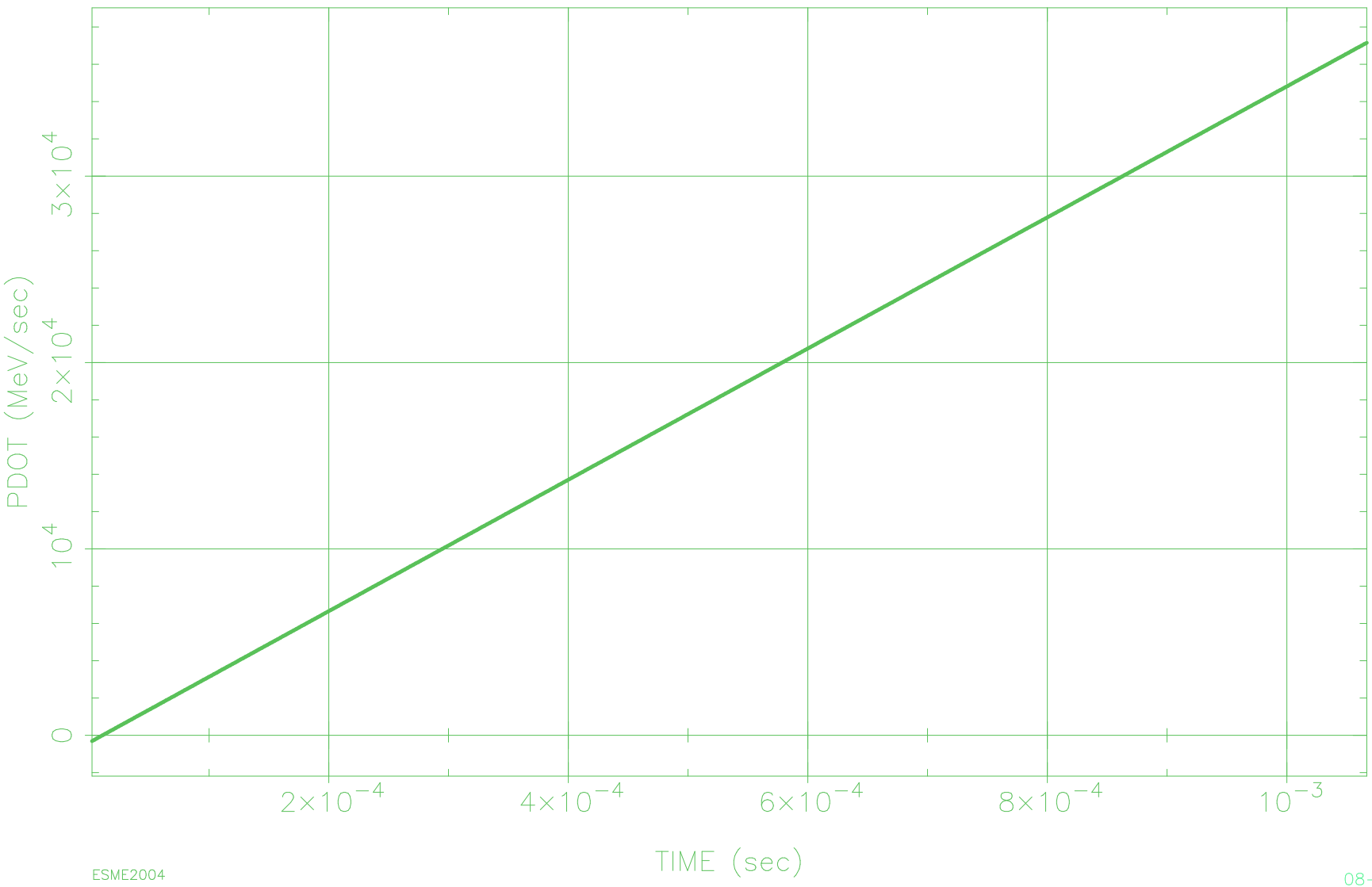
10 turn injection

PDOT VS TIME



ESME2004

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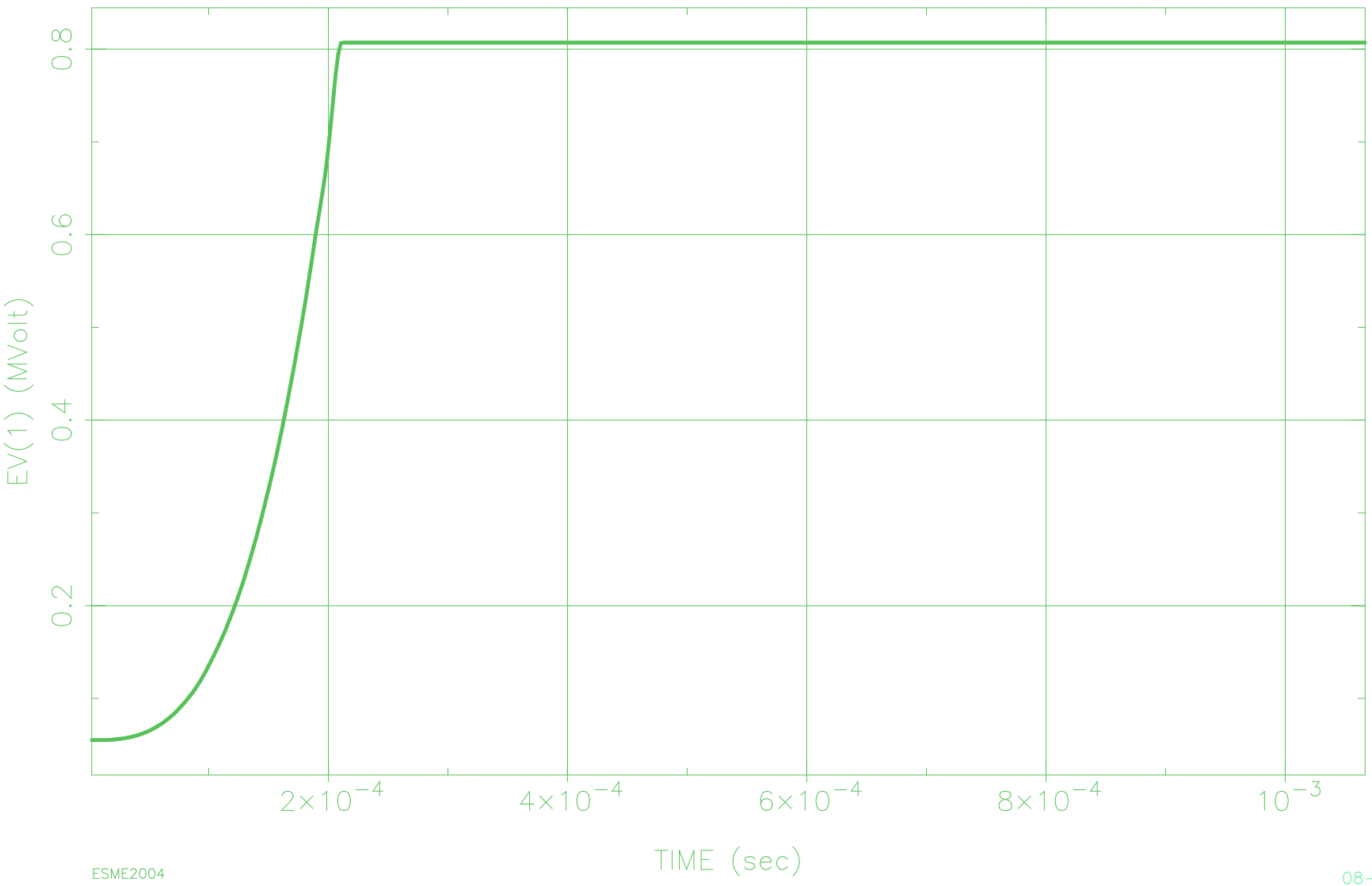
10 turn injection

EV(1) VS TIME



ESME2004

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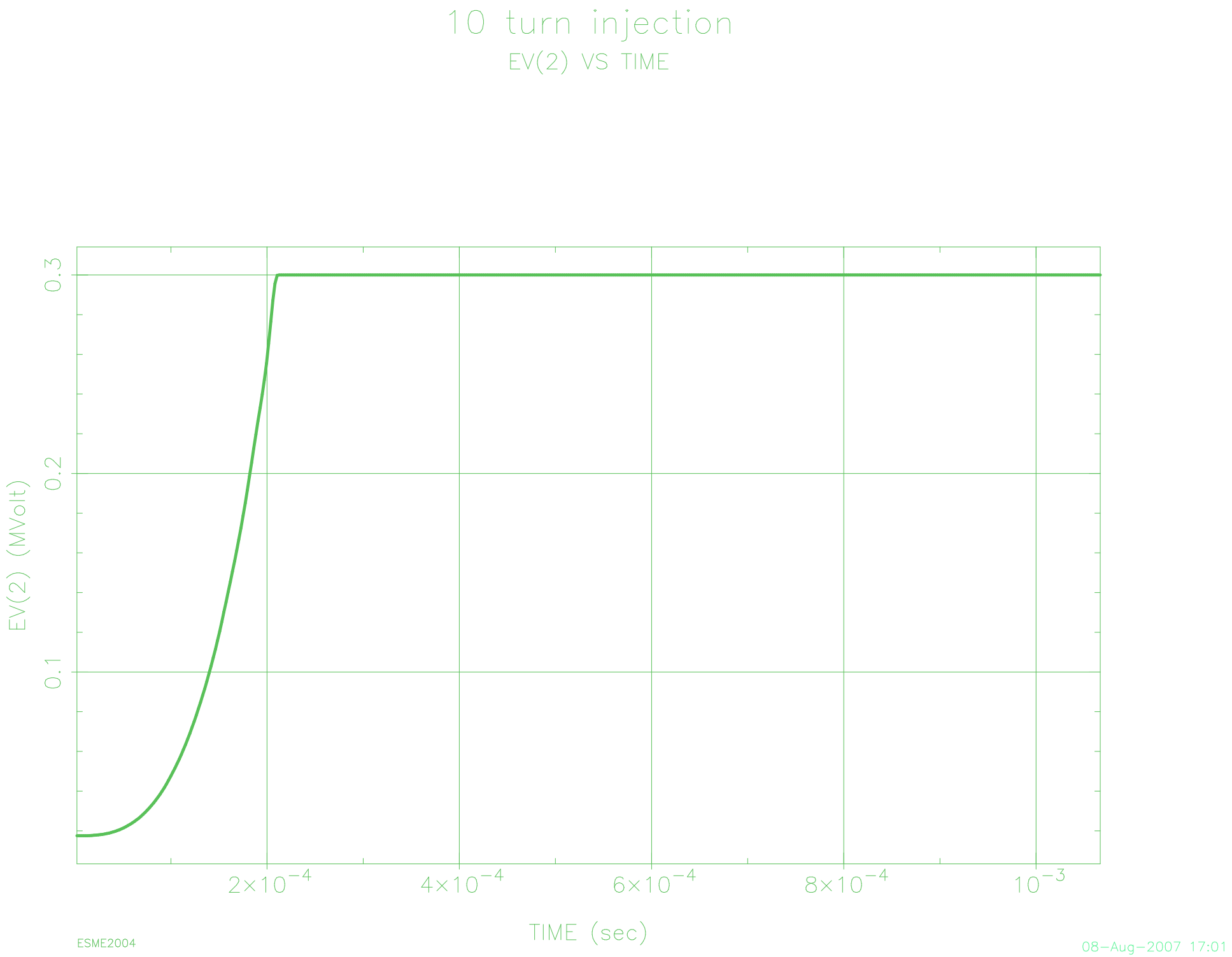
10 turn injection
EV(2) VS TIME
0.3
0.2
0.1
EV(2) (MVolt)
2×10^-4
4×10^-4
6×10^-4
8×10^-4
10^-3
TIME (sec)
ESME2004
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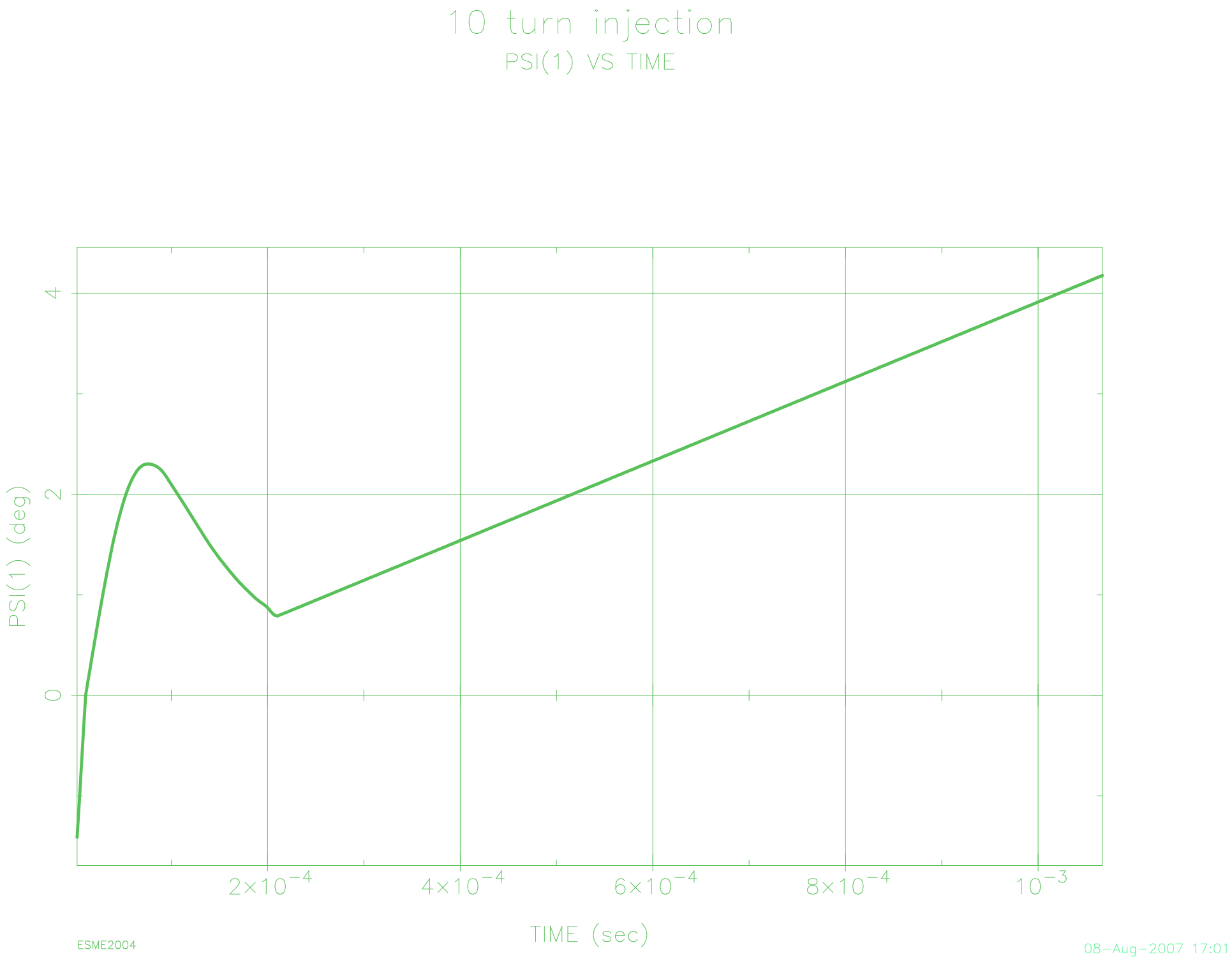
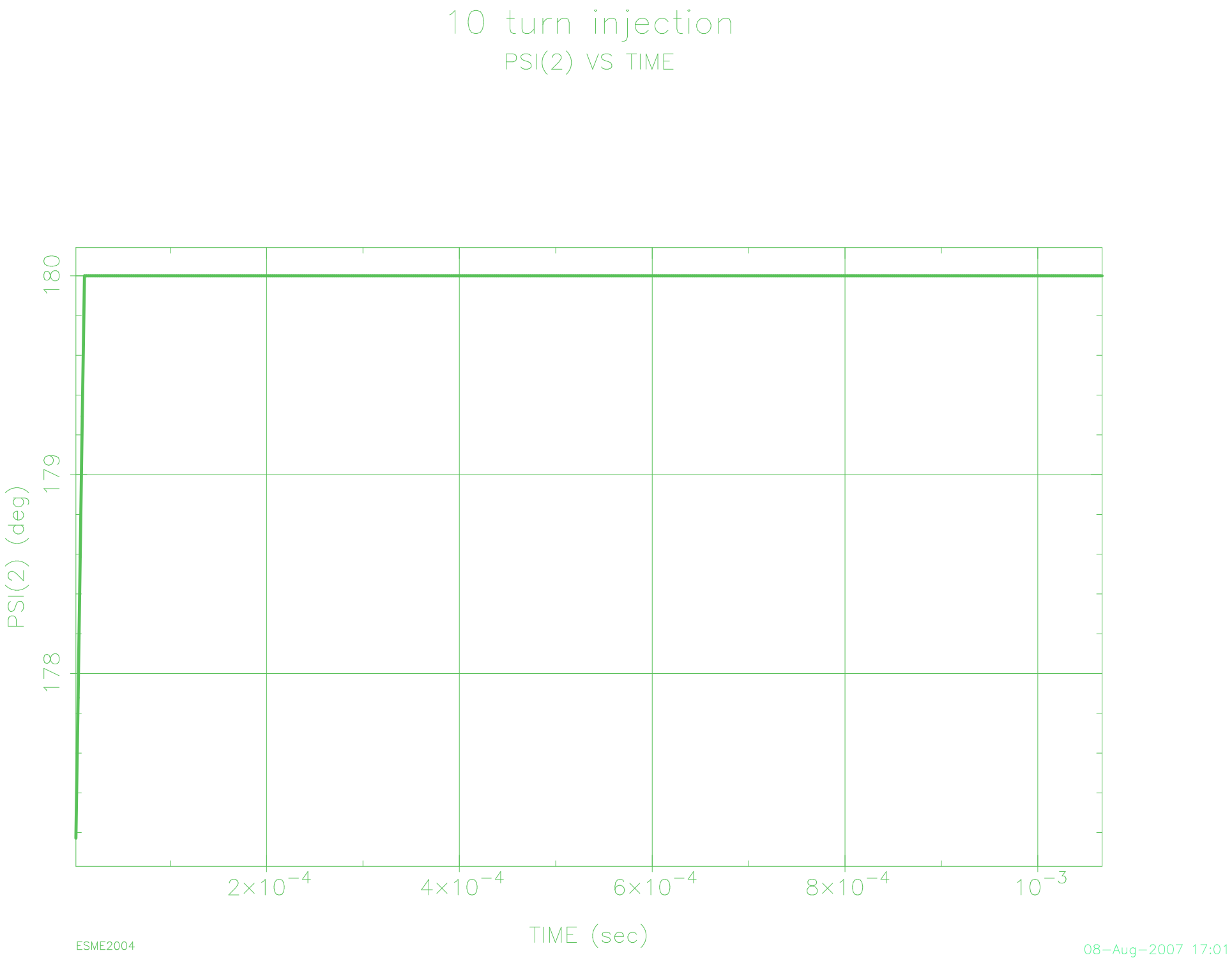
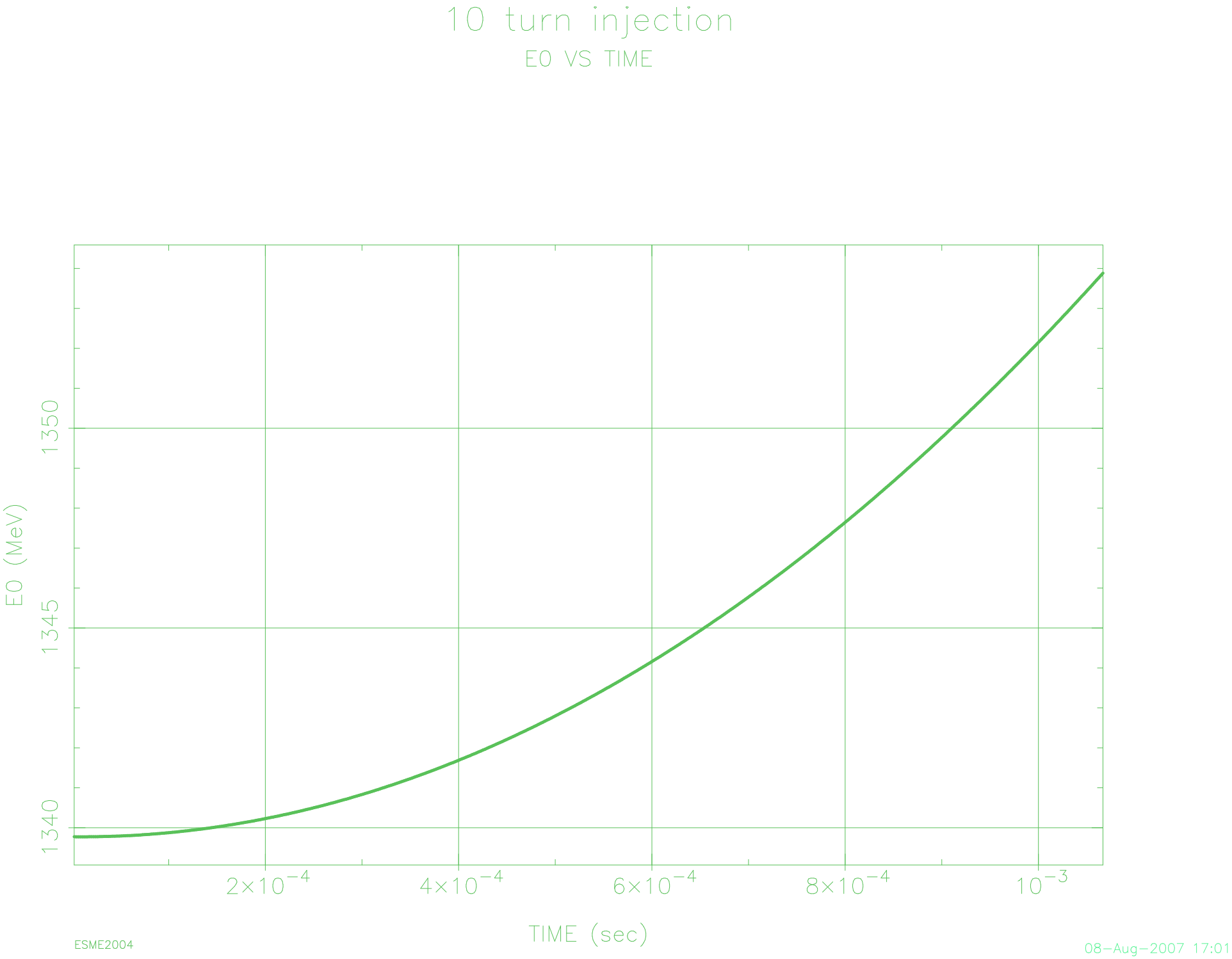
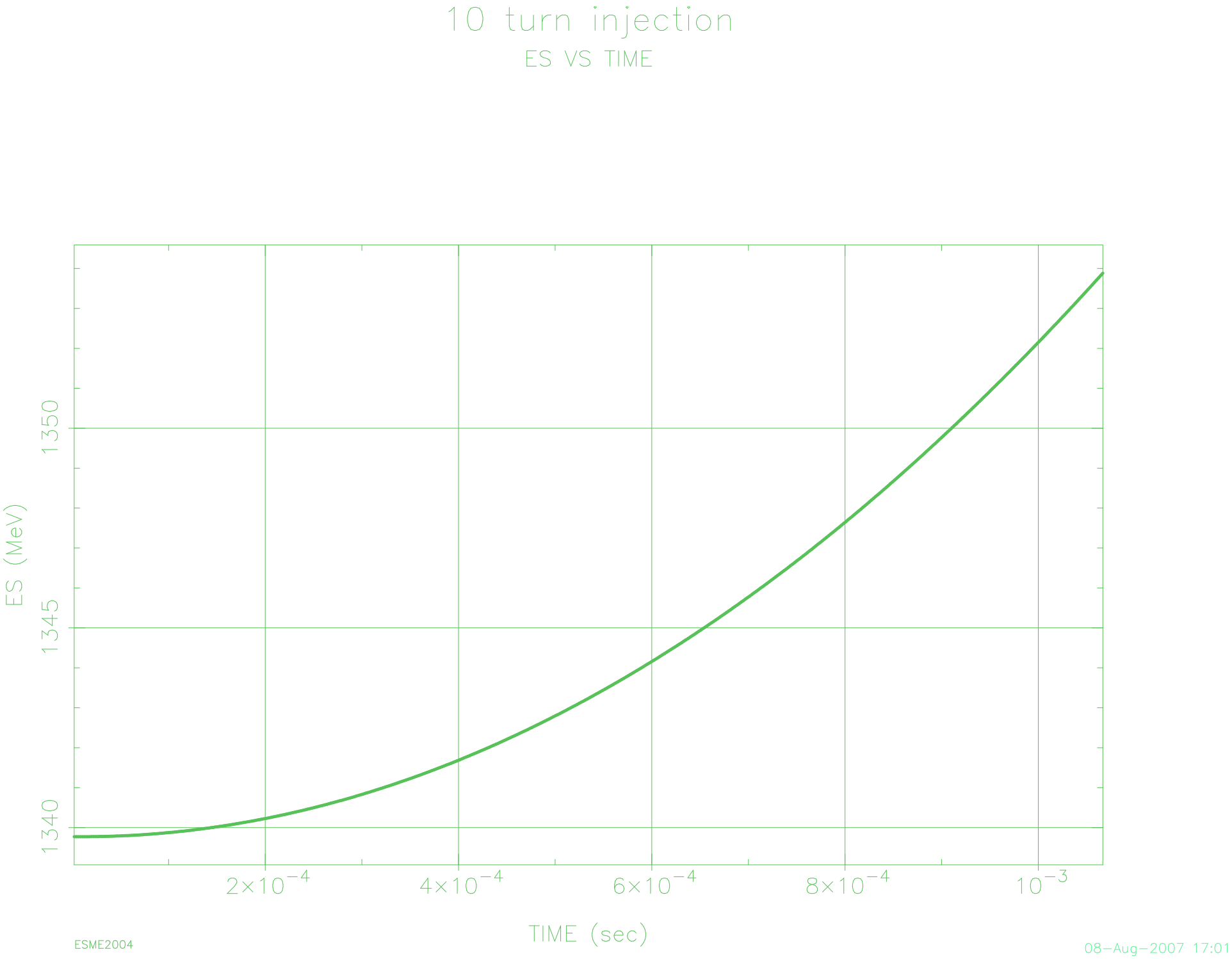
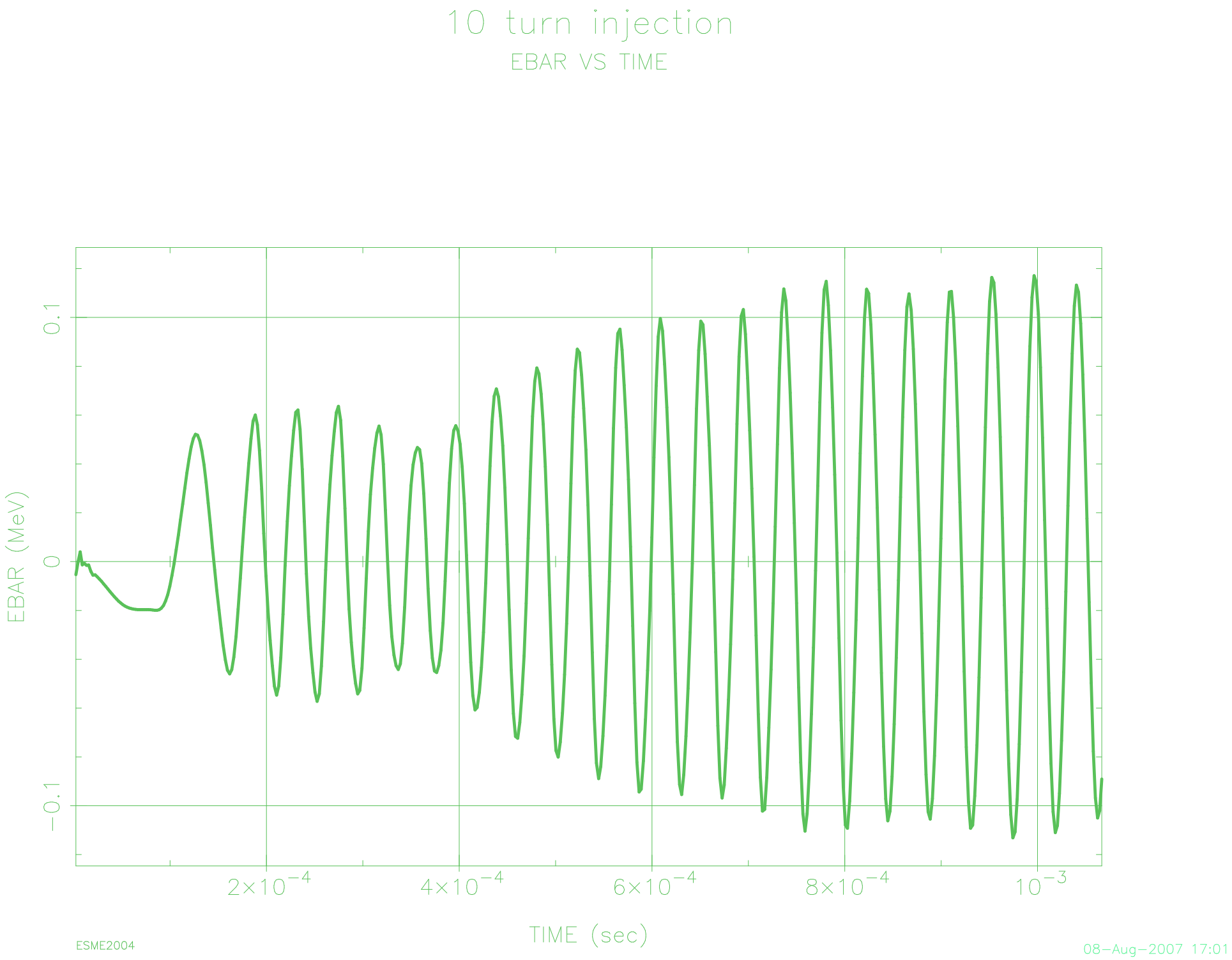

10 turn injection
PSI(1) VS TIME
PSI(1) (deg)
4
2
0
2×10^−4
4×10^−4
6×10^−4
8×10^−4
10^−3
TIME (sec)
ESME2004
08-Aug-2007 17:01


10 turn injection
PSI(2) VS TIME
180
179
178
PSI(2) (deg)
2×10^-4
4×10^-4
6×10^-4
8×10^-4
10^-3
TIME (sec)
ESME2004
08-Aug-2007 17:01


10 turn injection
E0 VS TIME
E0 (MeV)
1350
1345
1340
2×10^-4
4×10^-4
6×10^-4
8×10^-4
10^-3
TIME (sec)
ESME2004
08-Aug-2007 17:01


10 turn injection
ES VS TIME
ES (MeV)
1340
1345
1350
2×10^−4
4×10^−4
6×10^−4
8×10^−4
10^−3
TIME (sec)
ESME2004
08-Aug-2007 17:01


10 turn injection
EBAR VS TIME
0.1
0
−0.1
EBAR (MeV)
2×10−4
4×10−4
6×10−4
8×10−4
10−3
TIME (sec)
ESME2004
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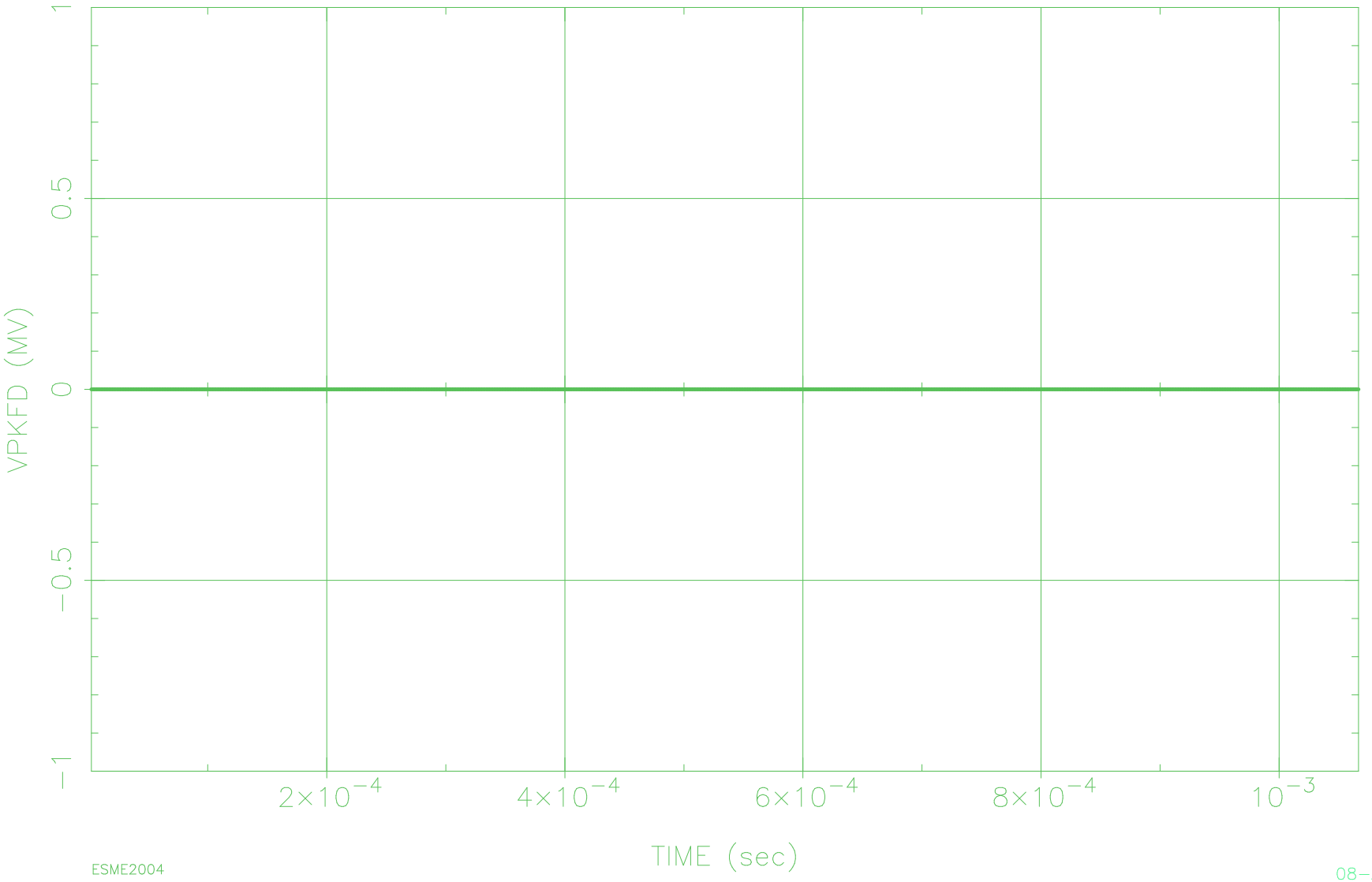
10 turn injection

VPKFD VS TIME



ESME2004

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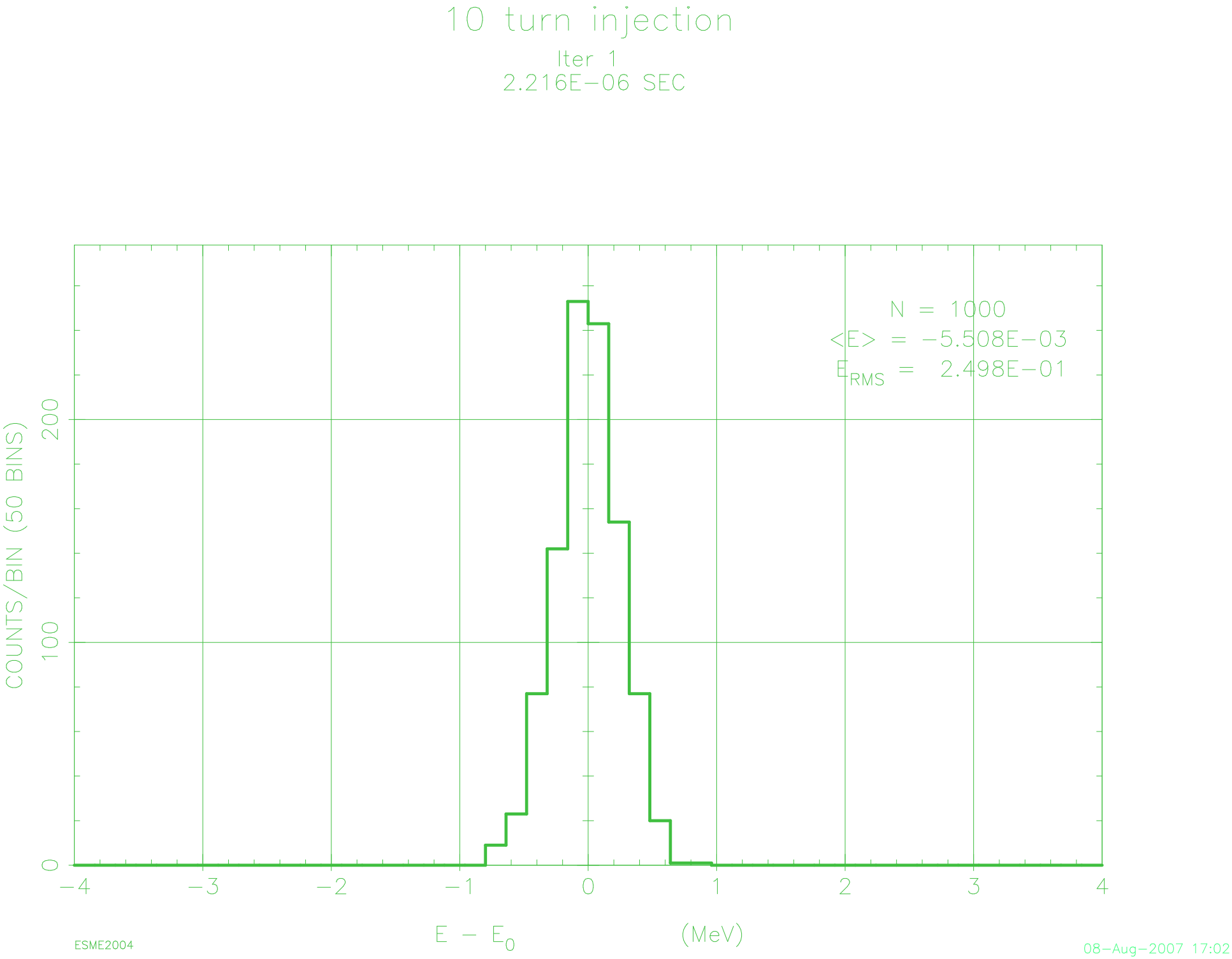
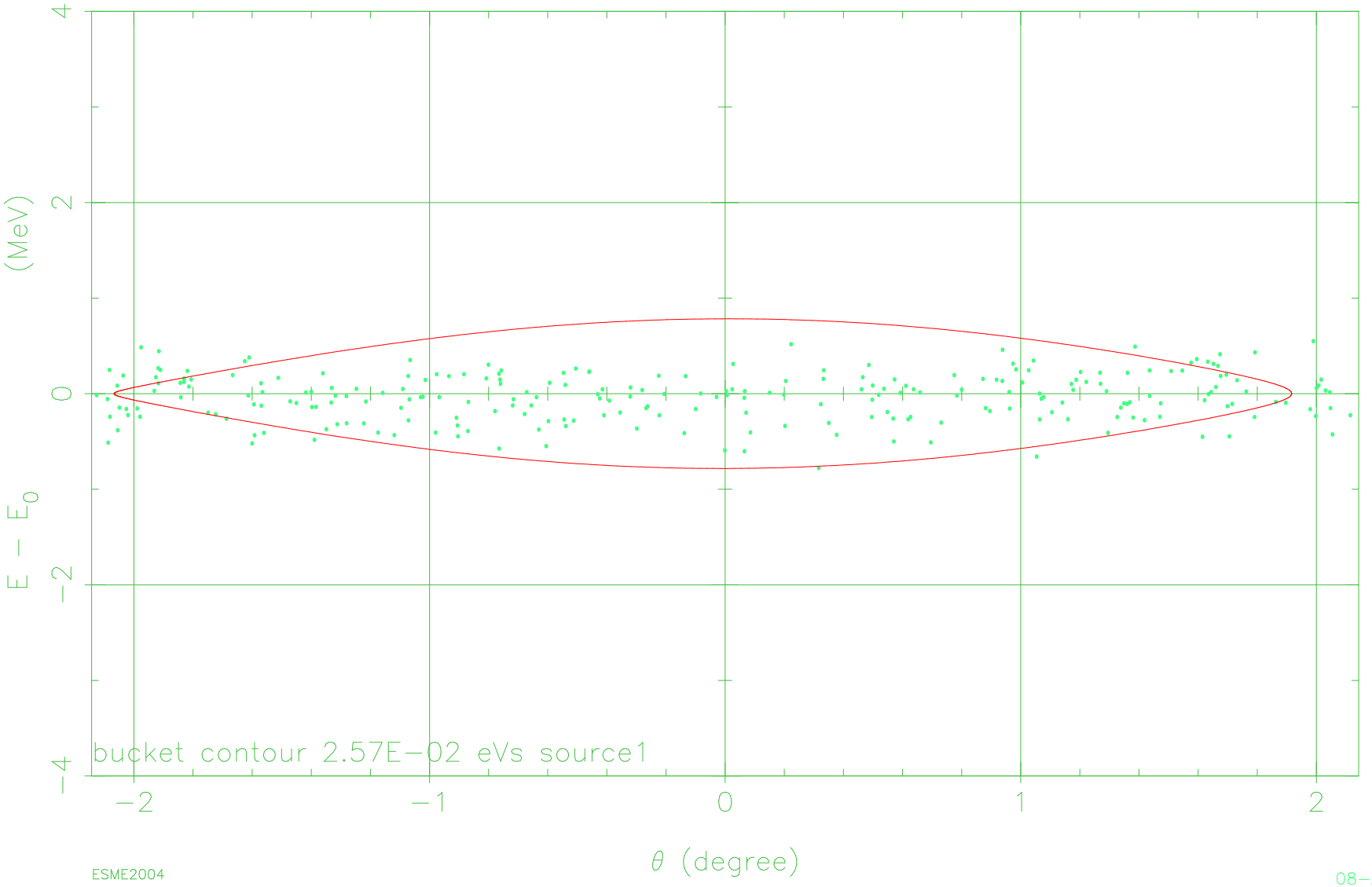

10 turn injection
Iter 1
2.216E−06 SEC
N = 1000
<E> = −5.508E−03
E_RMS = 2.498E−01
COUNTS/BIN (50 BINS)
0
100
200
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:02

10 turn injection

Iter 1 2.216E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
7.8290E−01	2.5705E−02	1.3398E+03	84	5.500E−02	−5.144E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.2179E−02	−3.1217E+02	−4.5673E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	5.8660E−03	1000			



ESME2004

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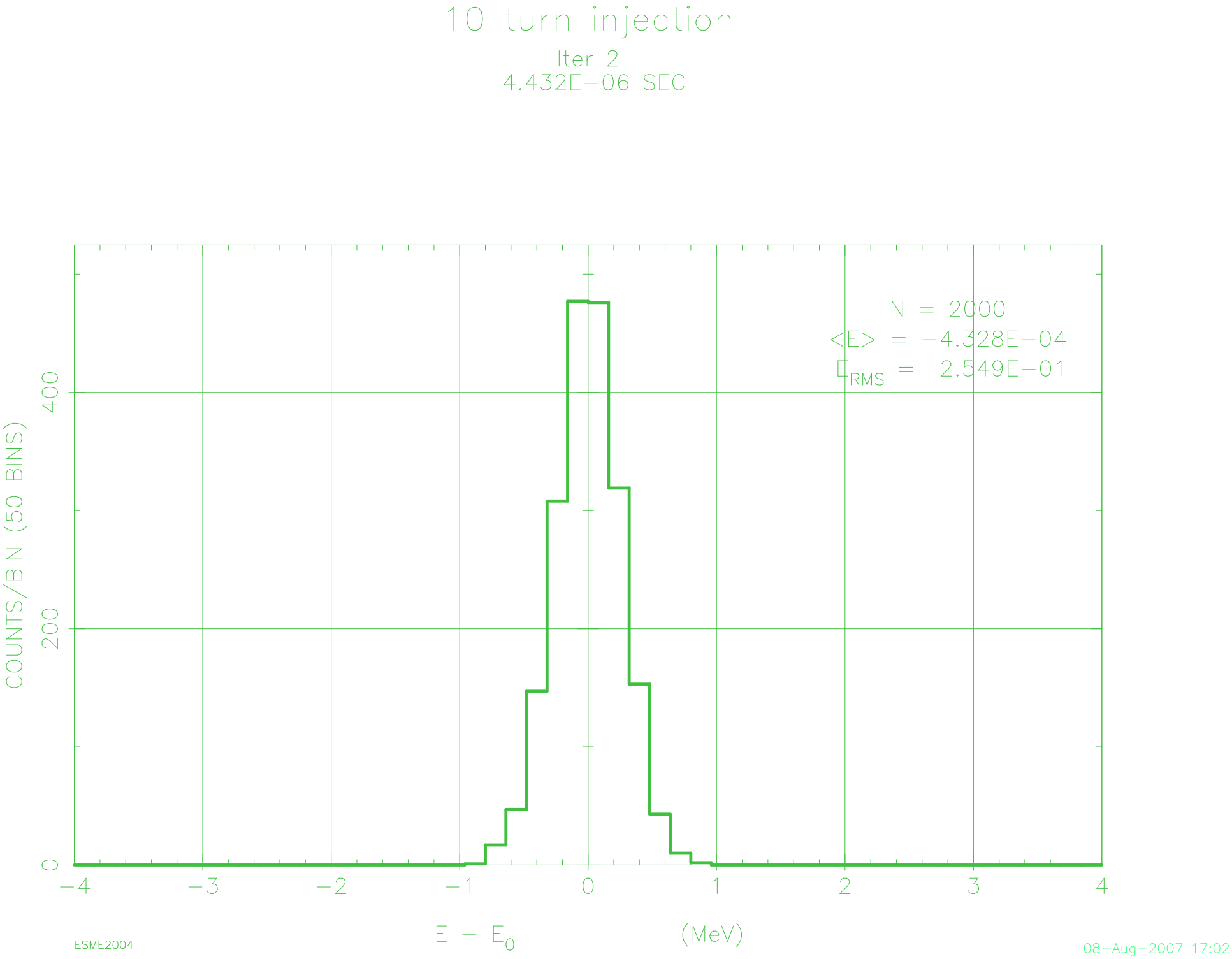
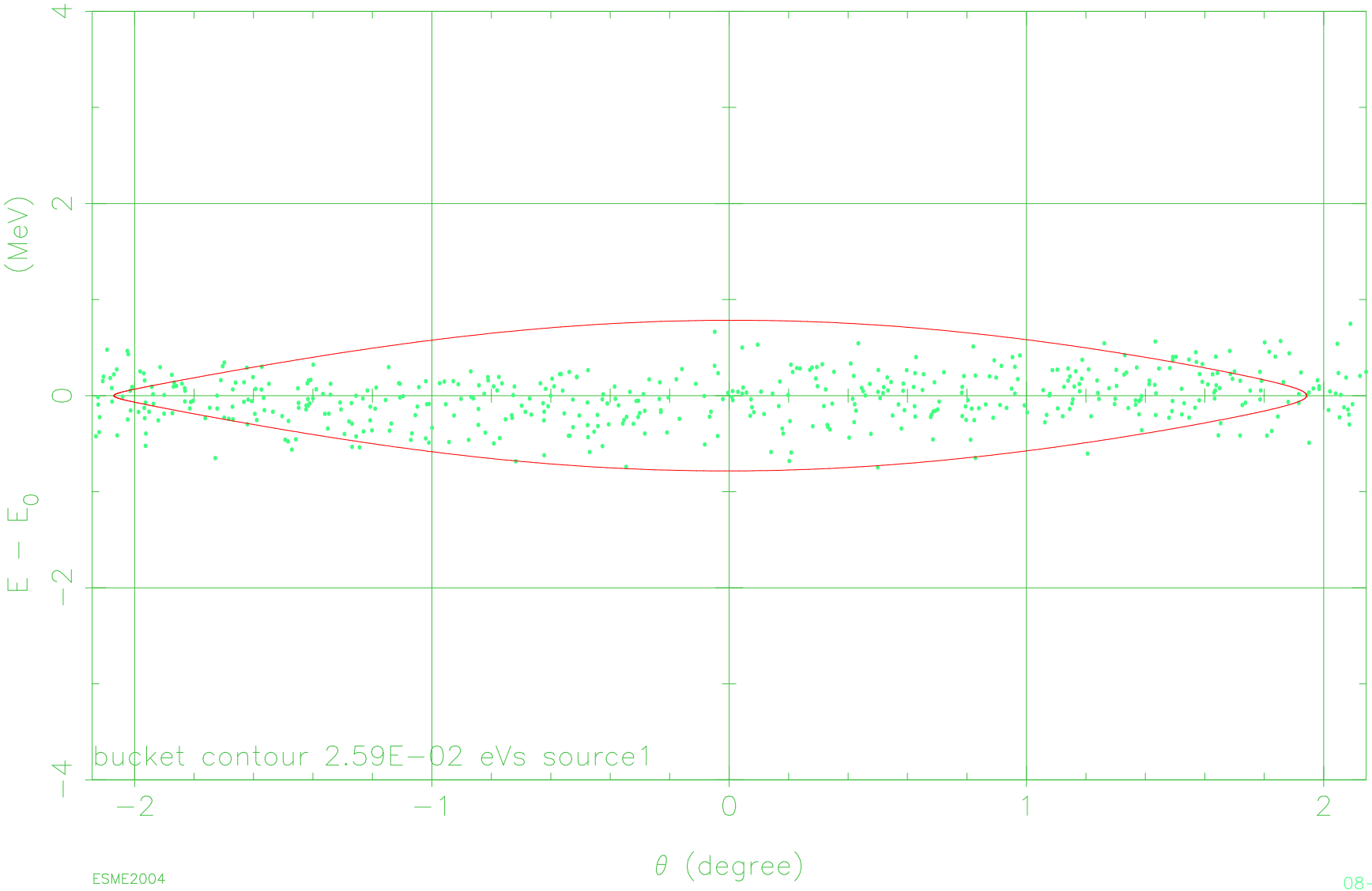

10 turn injection
Iter 2
4.432E−06 SEC
N = 2000
<E> = −4.328E−04
E_RMS = 2.549E−01
COUNTS/BIN (50 BINS)
0
200
400
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:02

10 turn injection

Iter 2 4.432E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
7.8429E−01	2.5855E−02	1.3398E+03	84	5.500E−02	−3.858E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.2179E−02	−2.3412E+02	−4.5673E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	5.9838E−03	2000			



ESME2004

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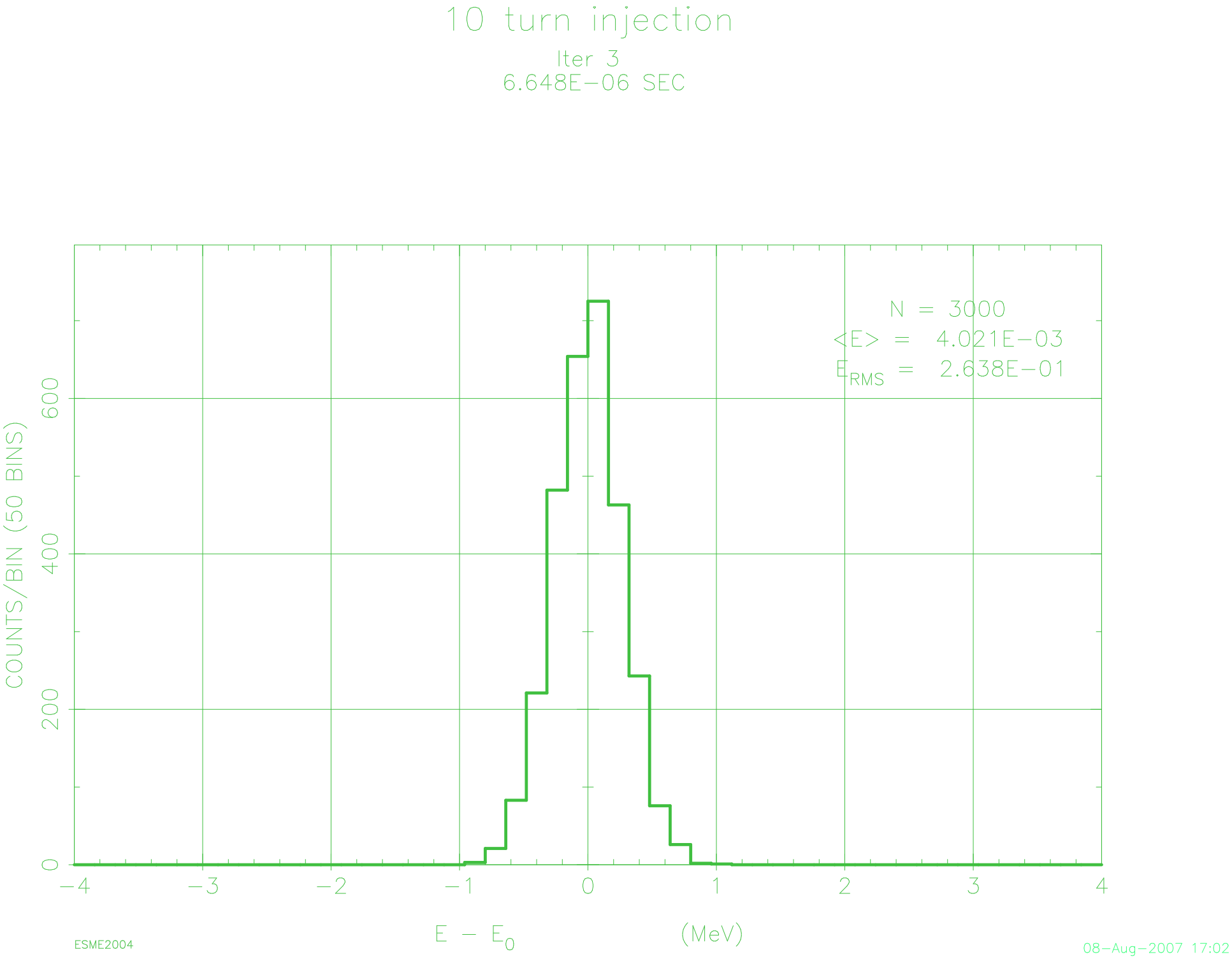
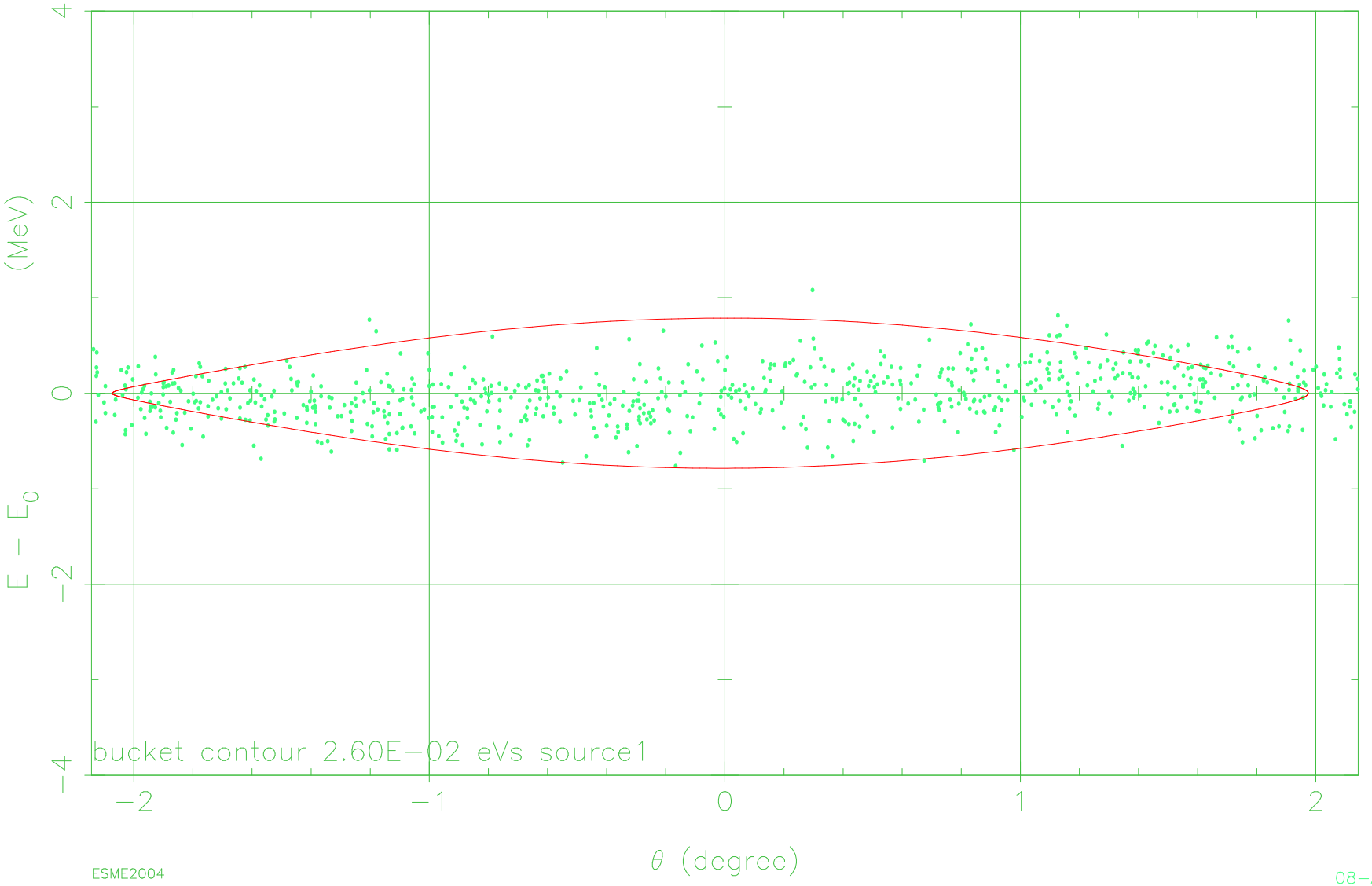

10 turn injection
Iter 3
6.648E−06 SEC
N = 3000
<E> = 4.021E−03
E_RMS = 2.638E−01
COUNTS/BIN (50 BINS)
0
200
400
600
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:02

10 turn injection

Iter 3 6.648E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
7.8568E−01	2.6012E−02	1.3398E+03	84	5.500E−02	−2.572E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.2180E−02	−1.5608E+02	−4.5673E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.0852E−03	3000			



ESME2004

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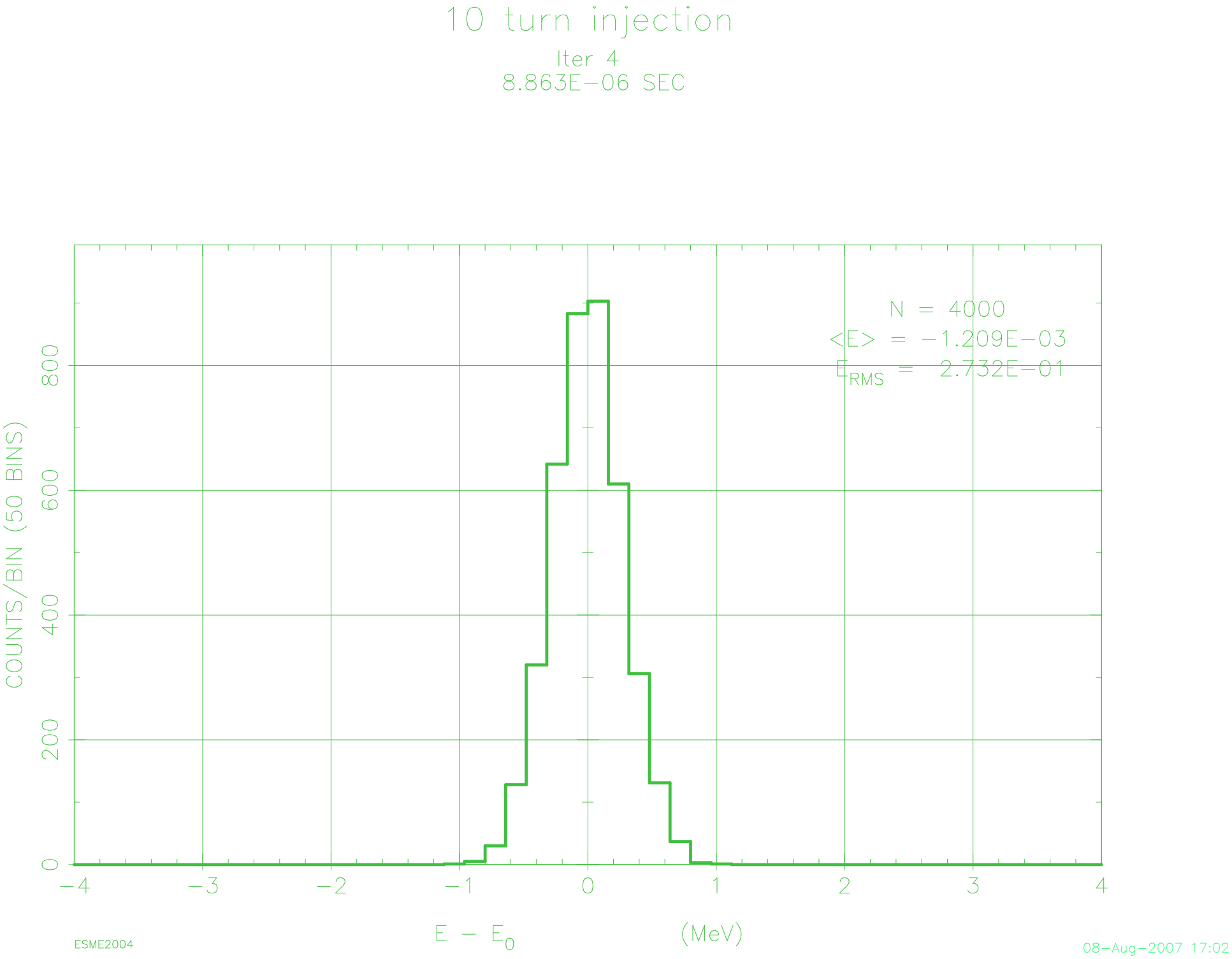
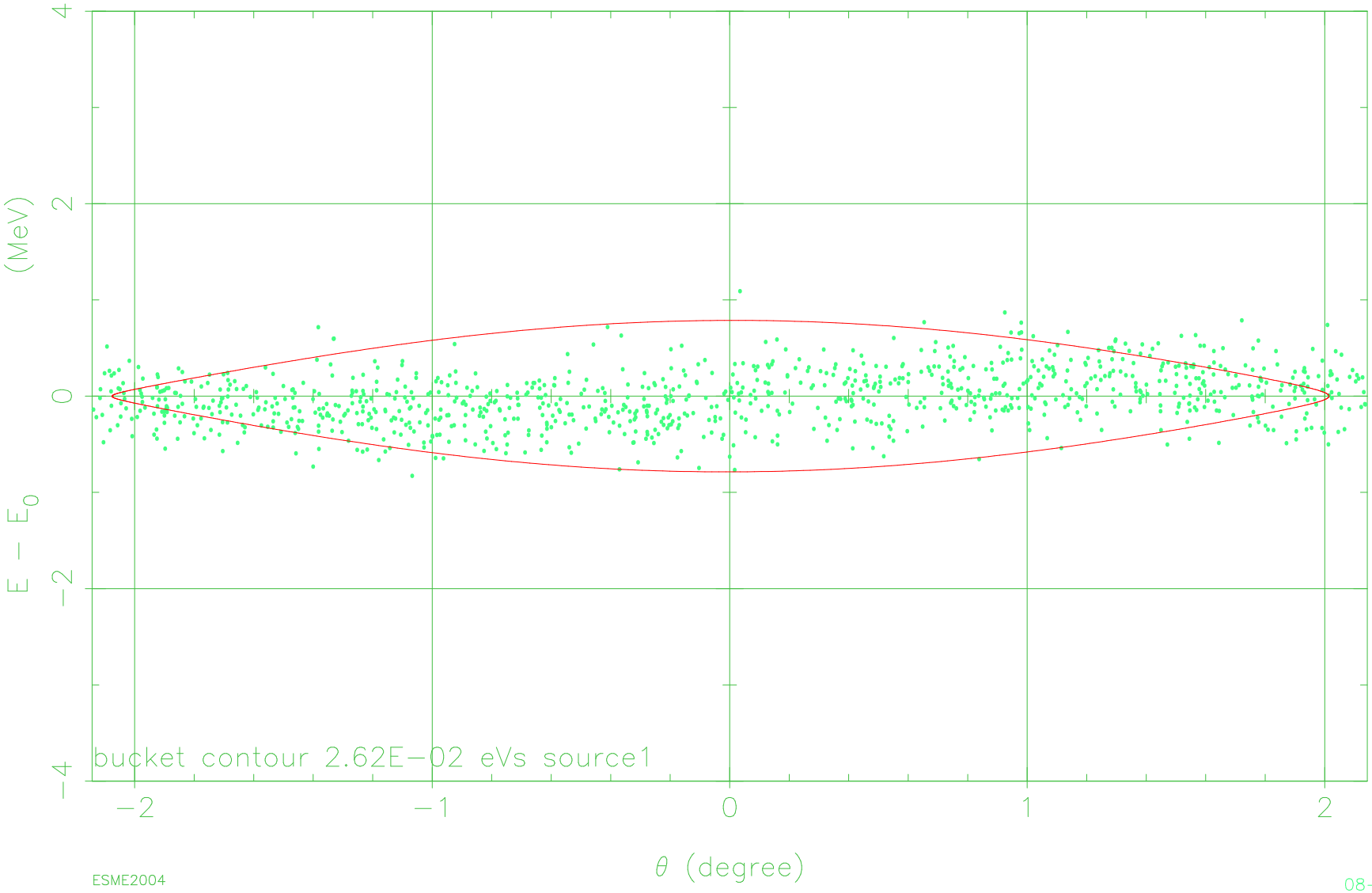

10 turn injection
Iter 4
8.863E−06 SEC
N = 4000
<E> = −1.209E−03
E_RMS = 2.732E−01
COUNTS/BIN (50 BINS)
0
200
400
600
800
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
08−Aug−2007 17:02

10 turn injection

Iter 4 8.863E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
7.8707E−01	2.6178E−02	1.3398E+03	84	5.500E−02	−1.286E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.2180E−02	−7.8036E+01	−4.5673E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.1515E−03	4000			



ESME2004

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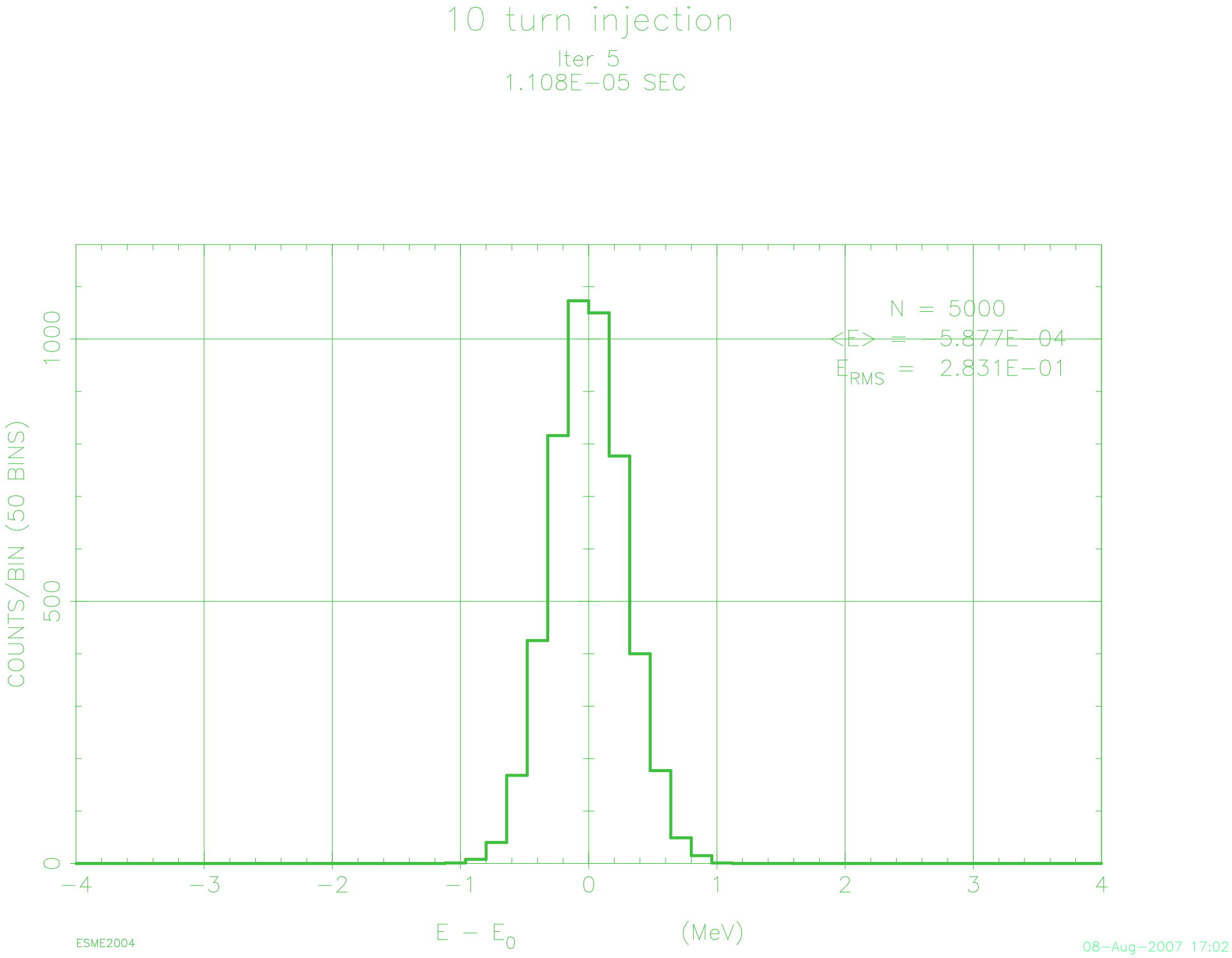
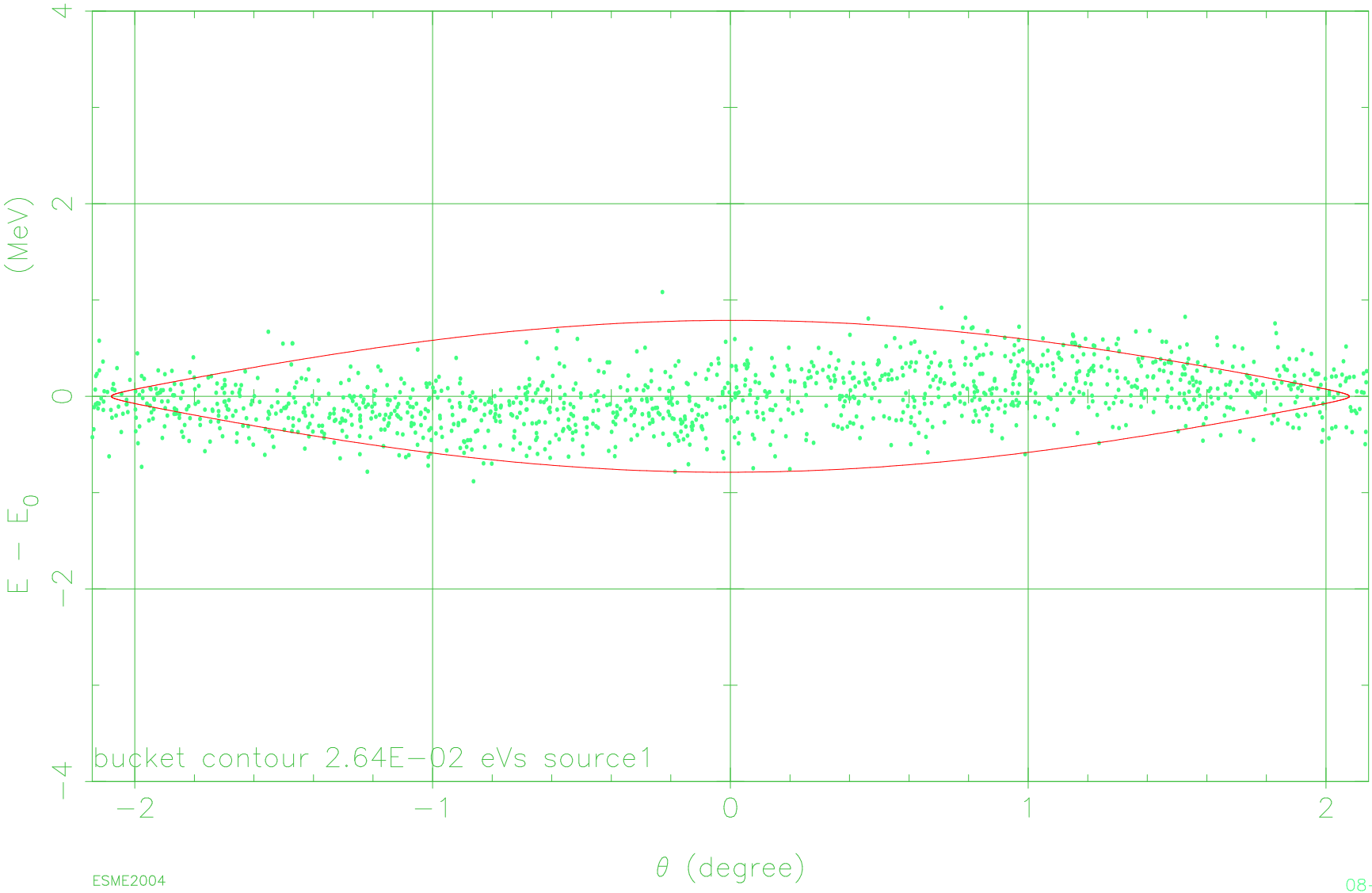

10 turn injection
Iter 5
1.108E−05 SEC
N = 5000
<E> = −5.877E−04
E_RMS = 2.831E−01
COUNTS/BIN (50 BINS)
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:02

10 turn injection

Iter 5 1.108E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
7.8845E−01	2.6365E−02	1.3398E+03	84	5.500E−02	4.496E−17
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.2180E−02	2.7284E−14	−4.5673E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.2315E−03	5000			



ESME2004

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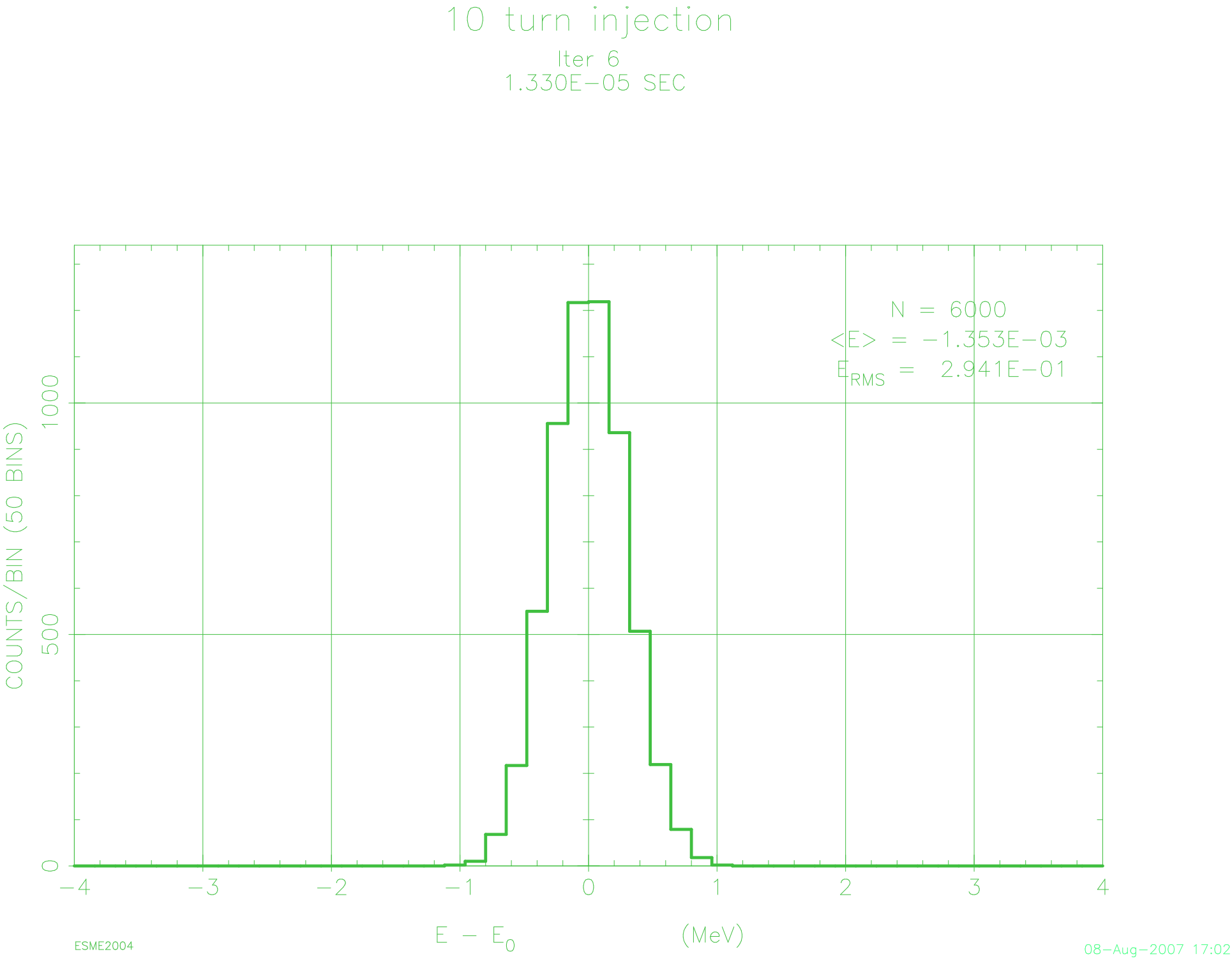
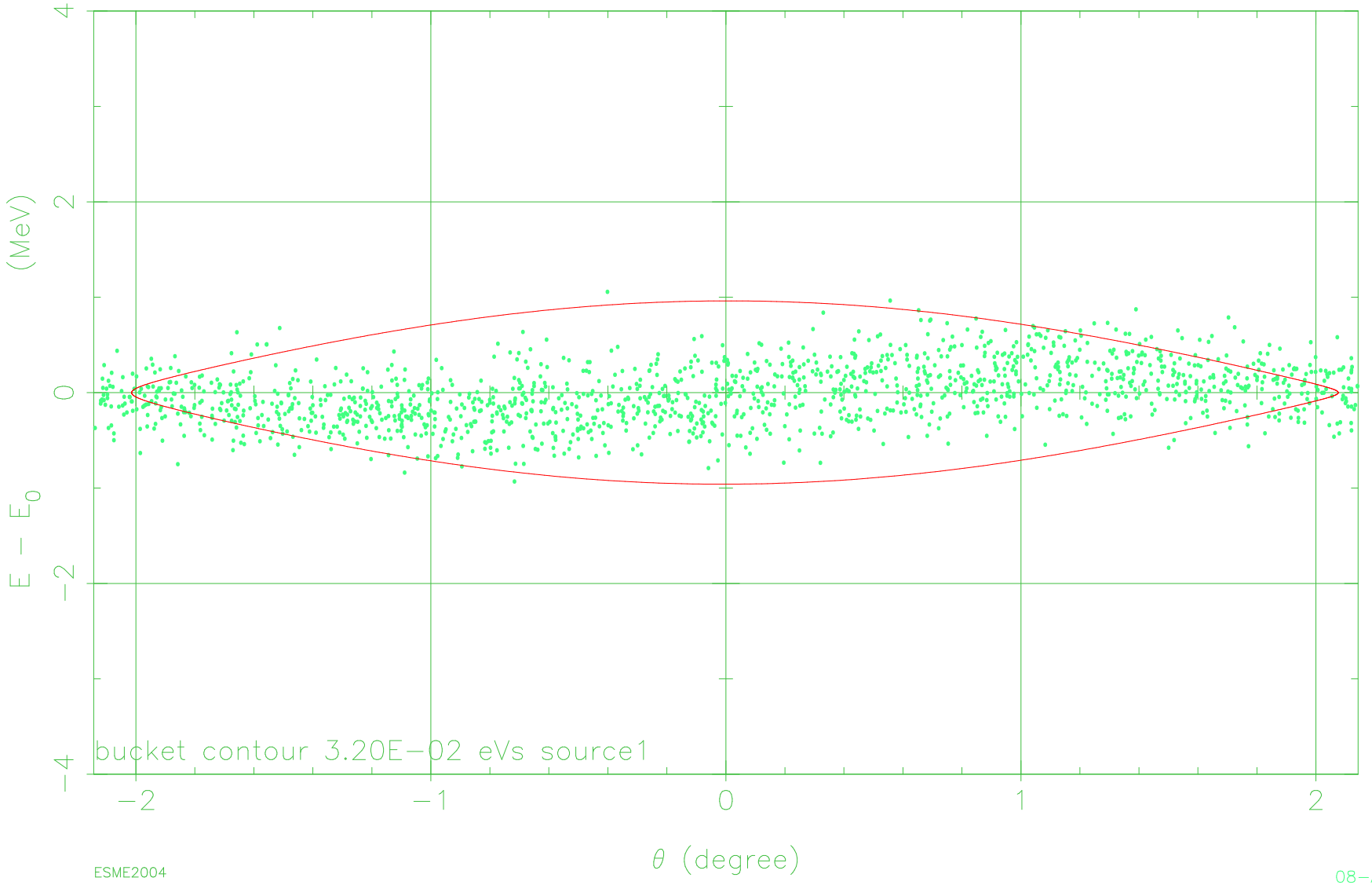

10 turn injection
Iter 6
1.330E−05 SEC
N = 6000
<E> = −1.353E−03
E_RMS = 2.941E−01
COUNTS/BIN (50 BINS)
0
500
1000
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:02

10 turn injection

Iter 6 1.330E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.6062E−01	3.1951E−02	1.3398E+03	84	5.504E−02	1.286E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
1.8186E−02	7.8118E+01	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.3287E−03	6000			



ESME2004

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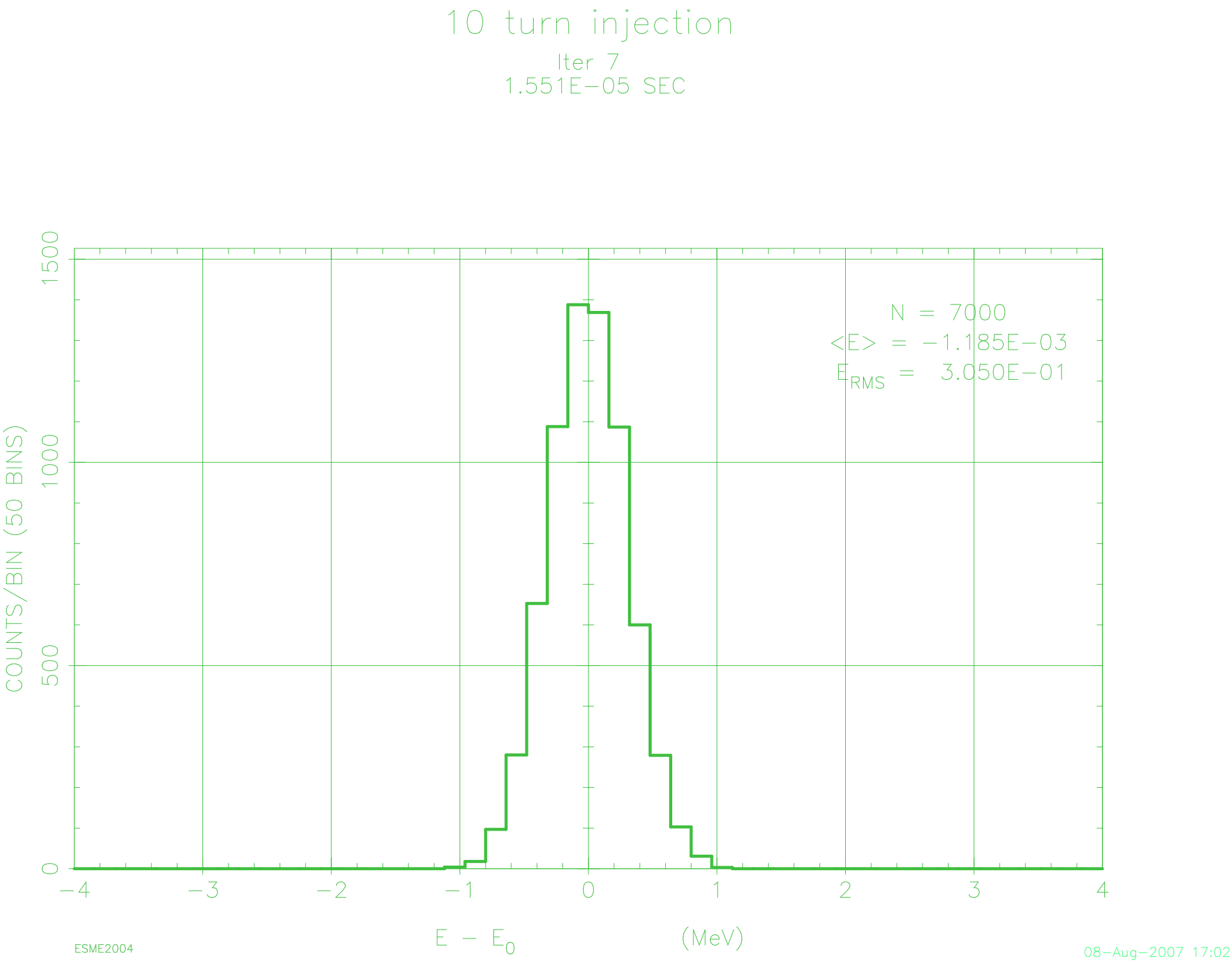
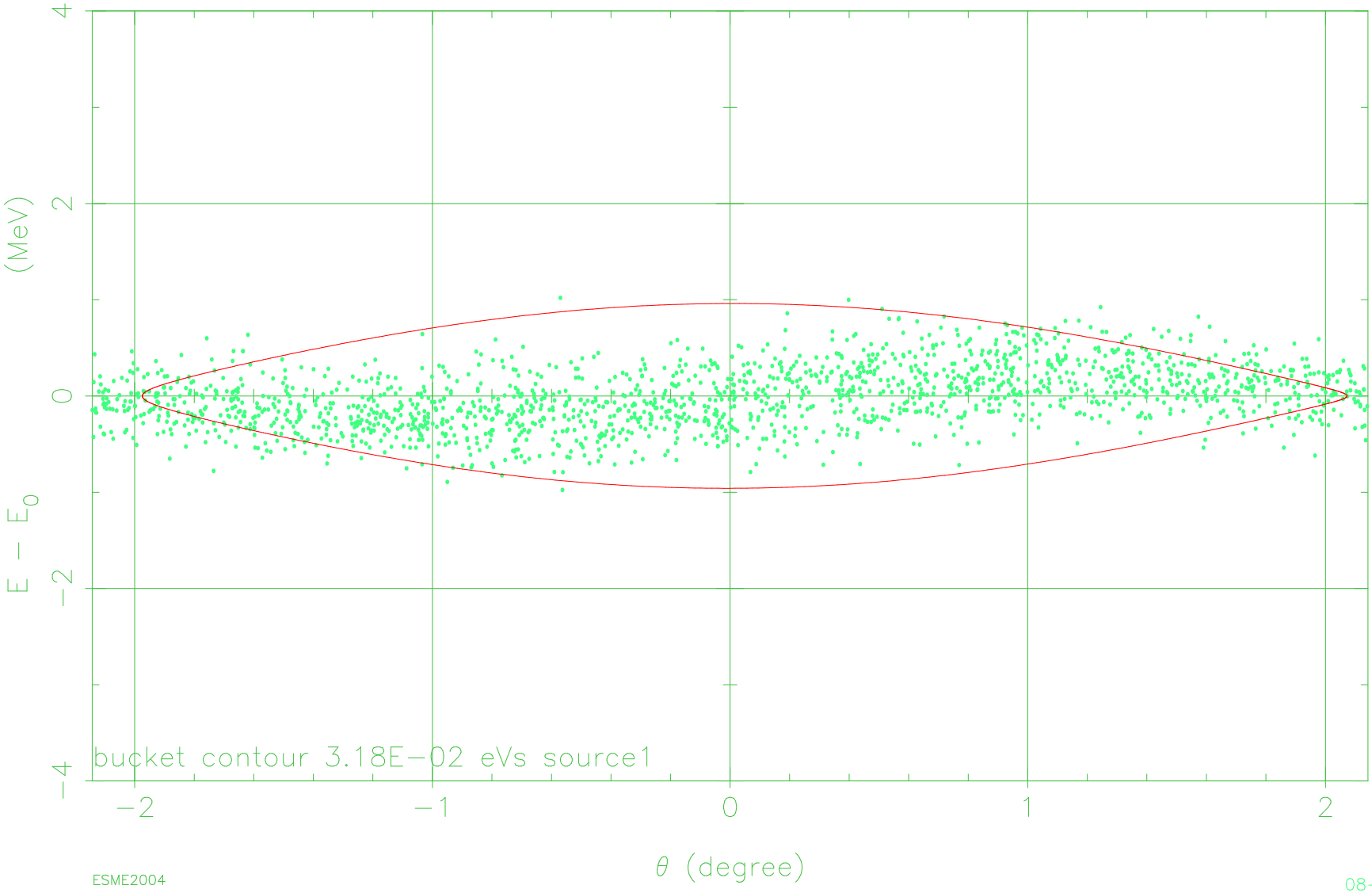

10 turn injection
Iter 7
1.551E−05 SEC
N = 7000
<E> = −1.185E−03
E_RMS = 3.050E−01
COUNTS/BIN (50 BINS)
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
08−Aug−2007 17:02

10 turn injection

Iter 7 1.551E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.5992E−01	3.1781E−02	1.3398E+03	84	5.515E−02	2.567E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
1.8204E−02	1.5624E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.4383E−03	7000			



ESME2004

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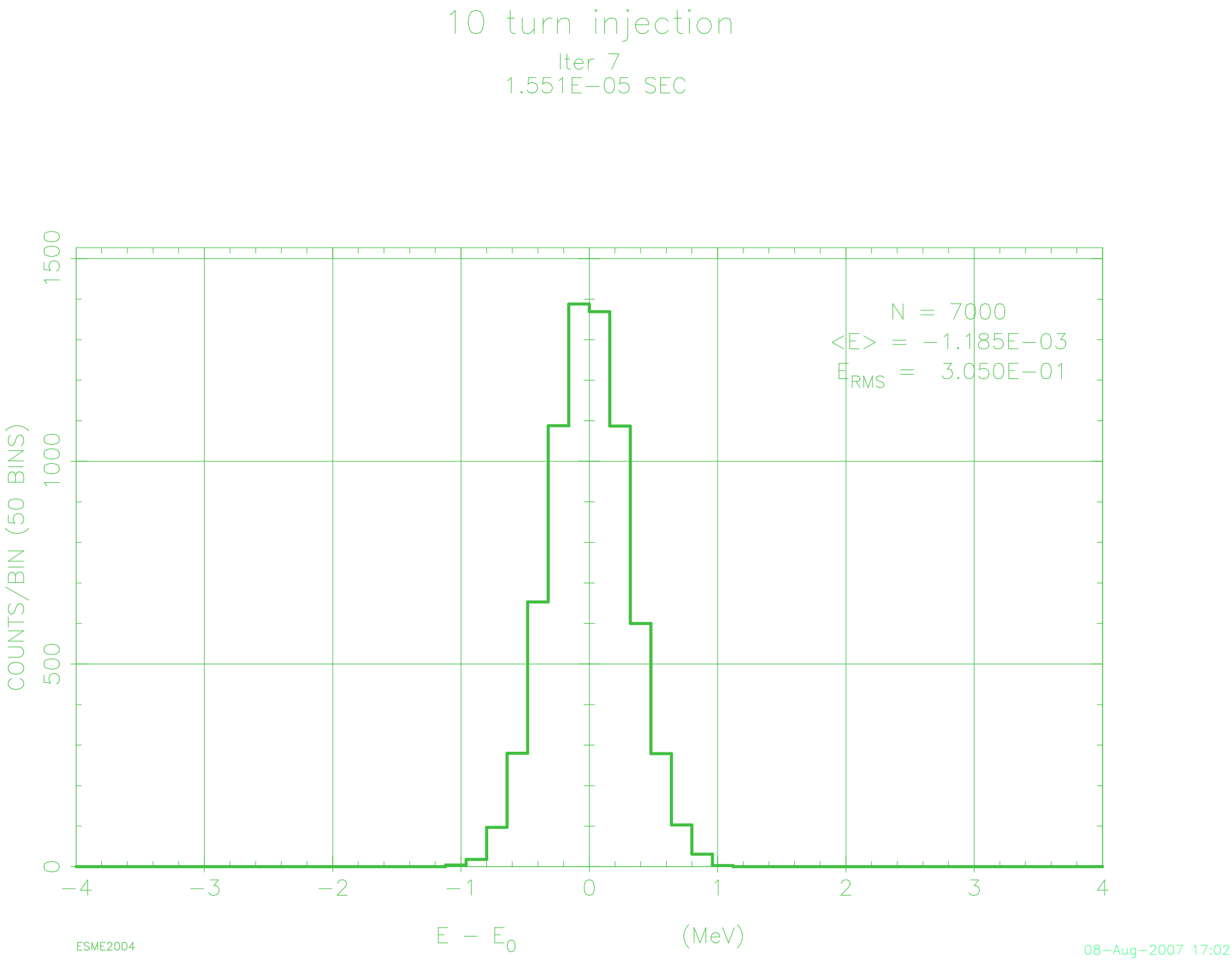
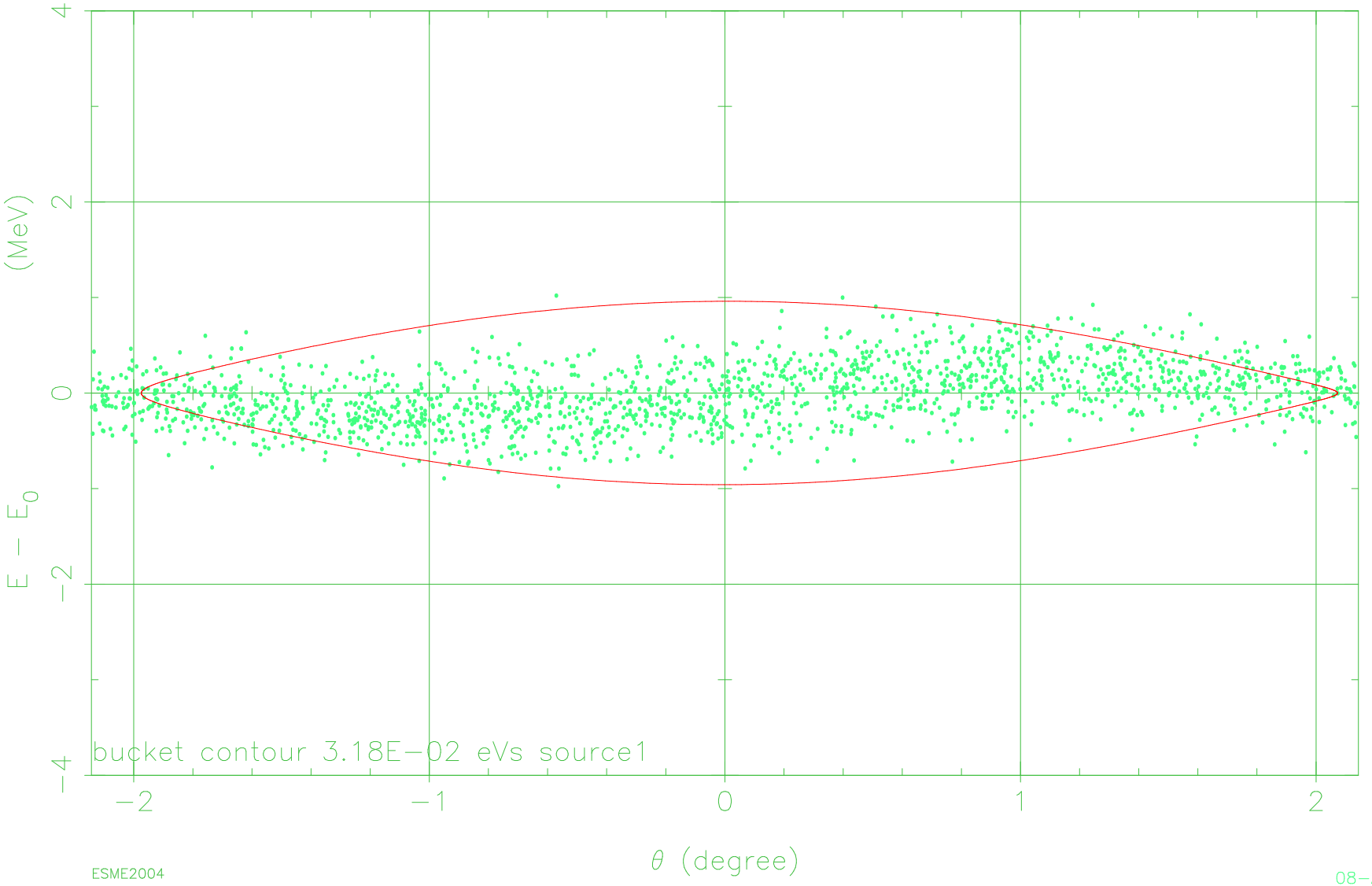

10 turn injection
Iter 7
1.551E−05 SEC
N = 7000
<E> = −1.185E−03
E_RMS = 3.050E−01
COUNTS/BIN (50 BINS)
1500
1000
500
0
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
08−Aug−2007 17:02

10 turn injection

Iter 7 1.551E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.5992E−01	3.1781E−02	1.3398E+03	84	5.515E−02	2.567E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
1.8204E−02	1.5624E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2159E−06	6.4383E−03	7000			



ESME2004

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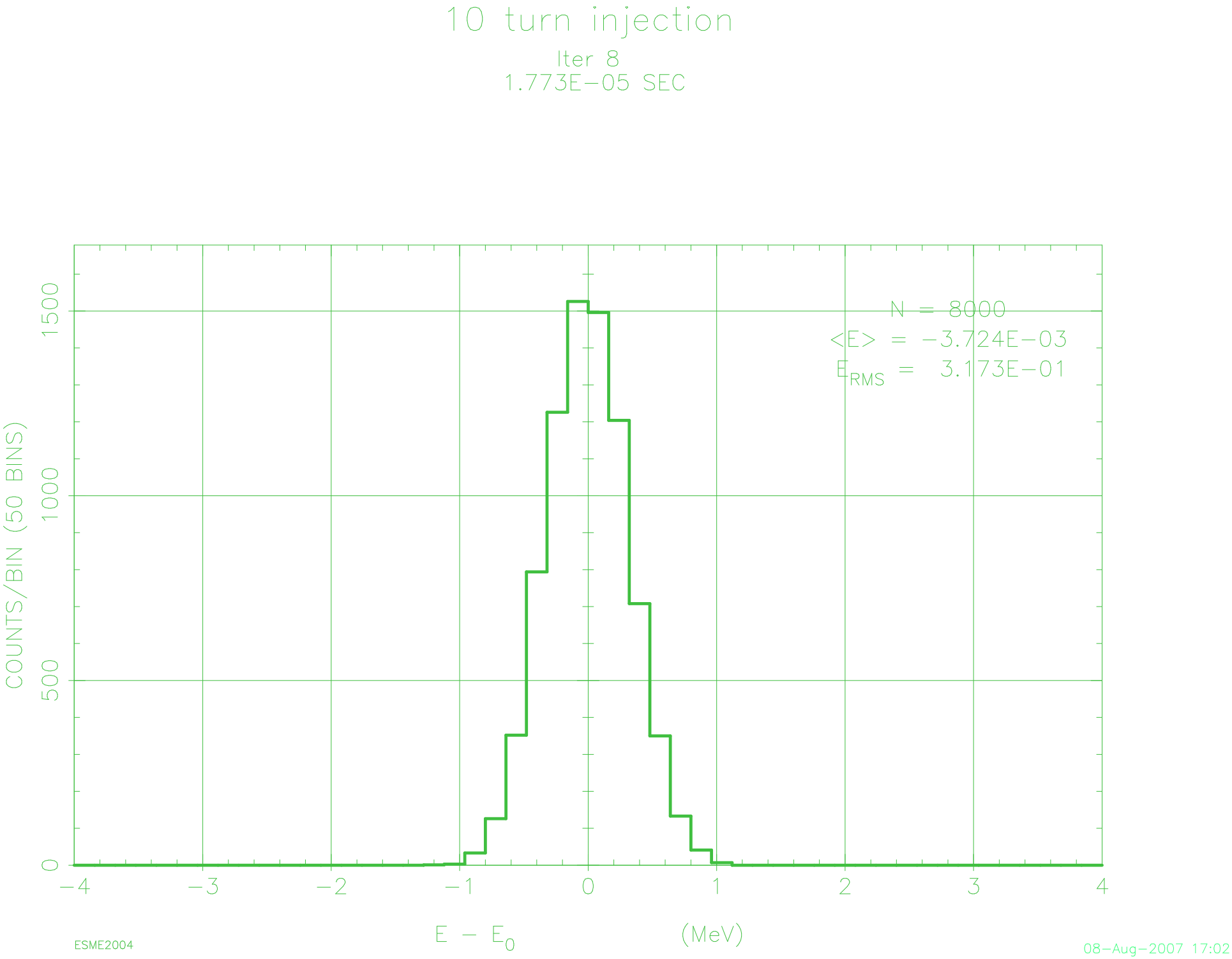
10 turn injection
Iter 8
1.773E−05 SEC
N = 8000
<E> = −3.724E−03
E_RMS = 3.173E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
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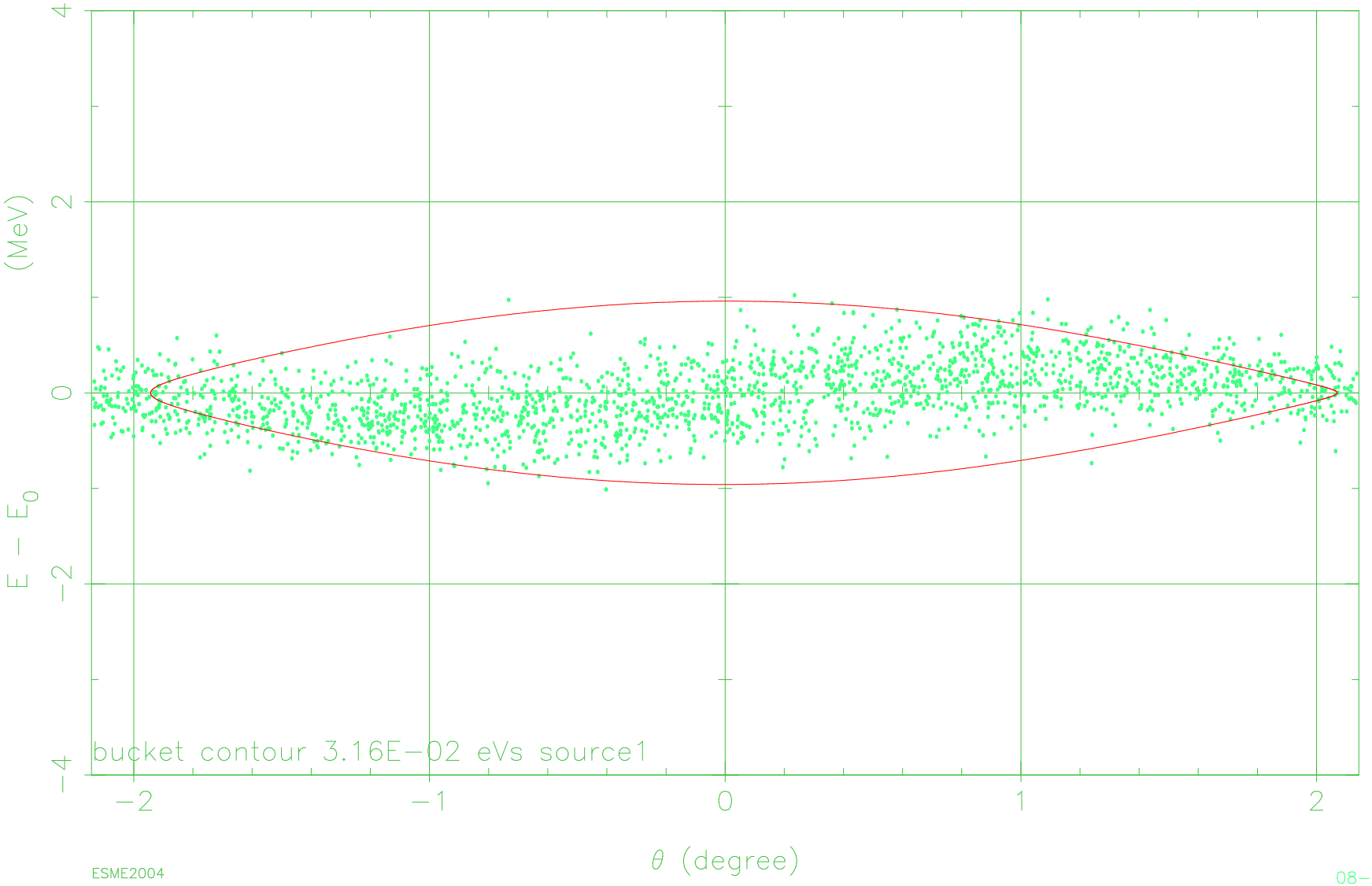
10 turn injection

Iter 8 1.773E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.5979E−01	3.1643E−02	1.3398E+03	84	5.533E−02	3.838E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
1.8234E−02	2.3436E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.6212E−03	8000			



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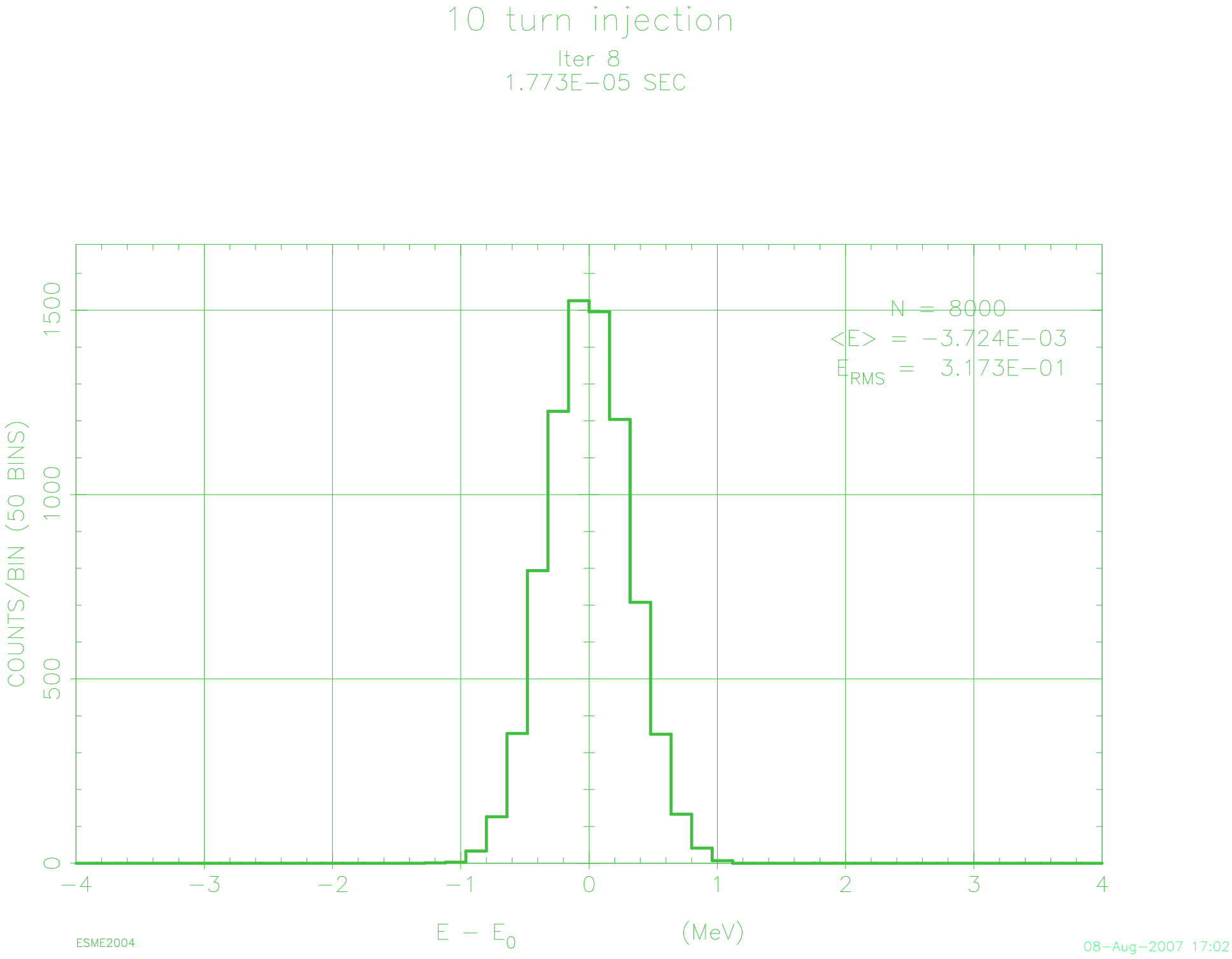
10 turn injection
Iter 8
1.773E−05 SEC
N = 8000
<E> = −3.724E−03
E_RMS = 3.173E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E0 (MeV)
ESME2004
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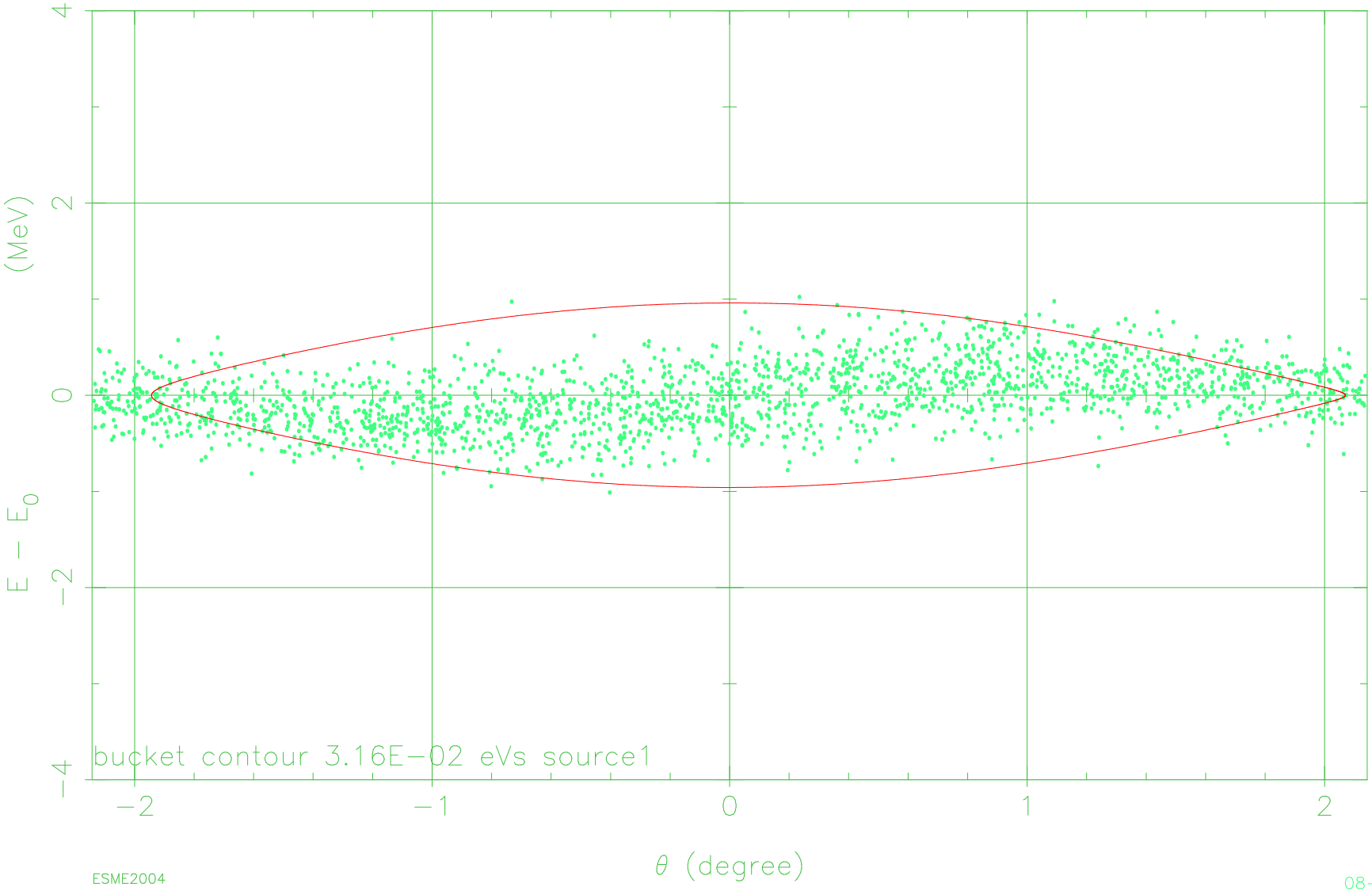
10 turn injection

Iter 8 1.773E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.5979E−01	3.1643E−02	1.3398E+03	84	5.533E−02	3.838E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
1.8234E−02	2.3436E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.6212E−03	8000			



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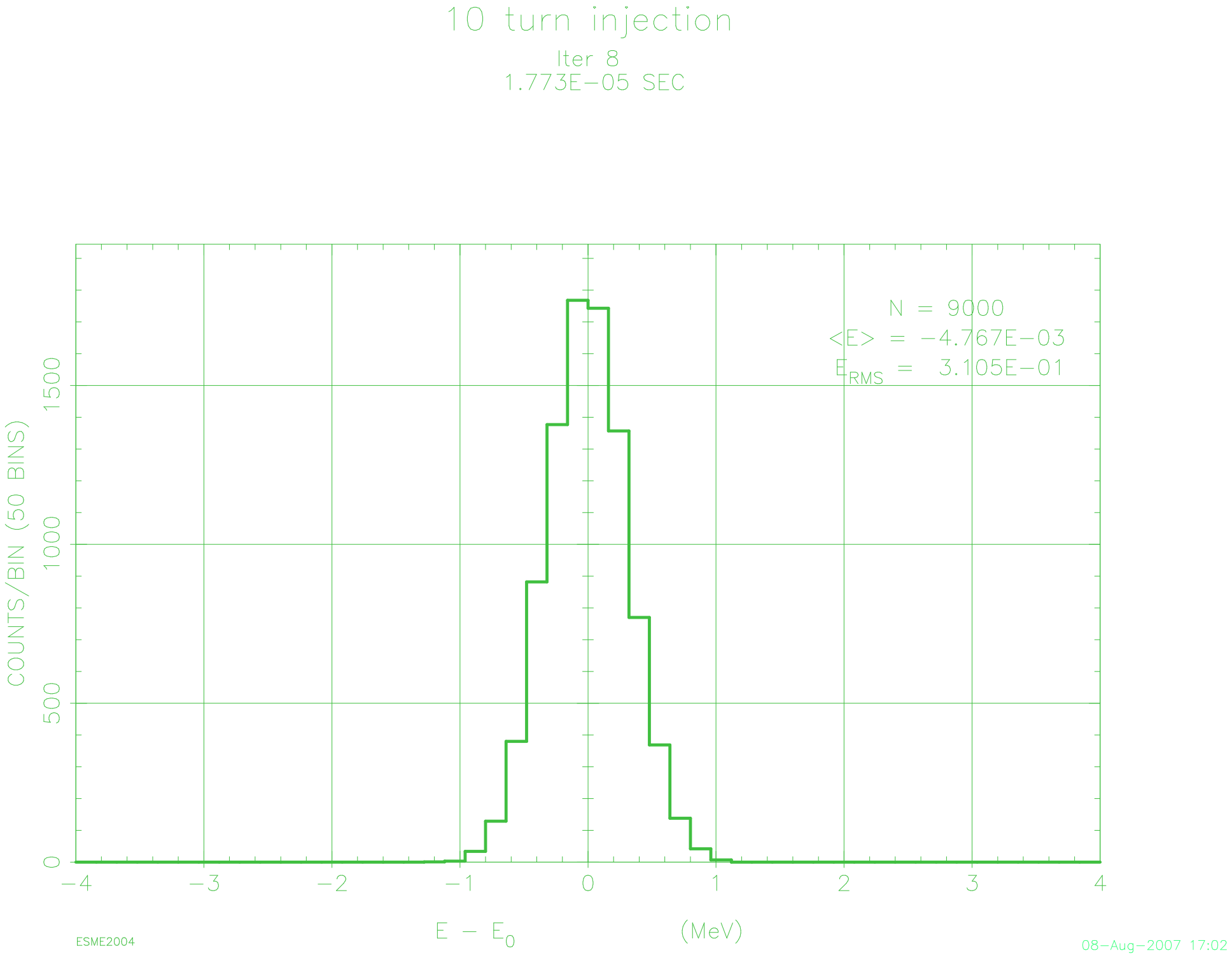
10 turn injection
Iter 8
1.773E−05 SEC
N = 9000
<E> = −4.767E−03
E_RMS = 3.105E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
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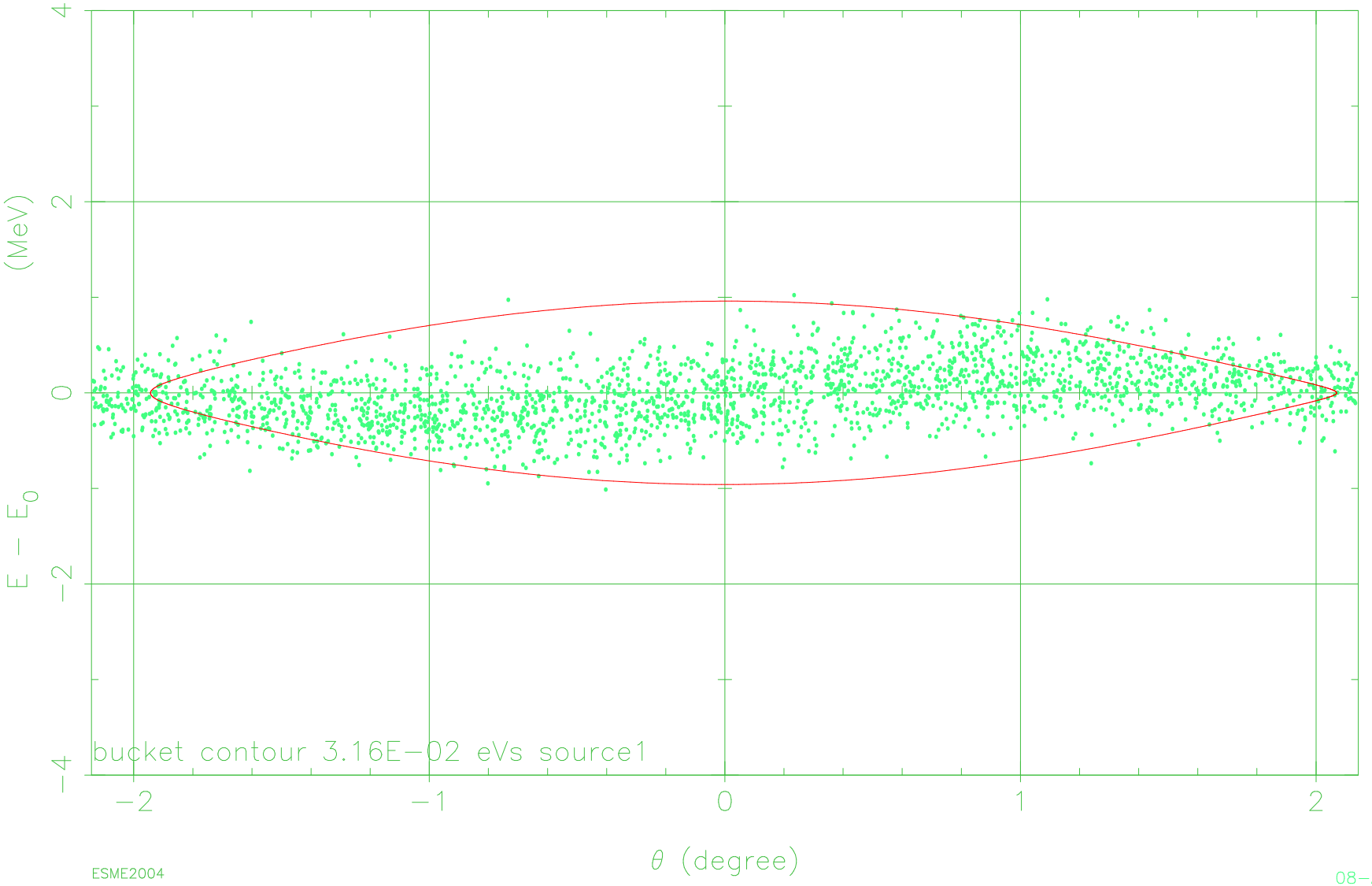
10 turn injection

Iter 8 1.773E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.5979E−01	3.1643E−02	1.3398E+03	84	5.533E−02	3.838E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
1.8234E−02	2.3436E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.6199E−03	9000			



ESME2004

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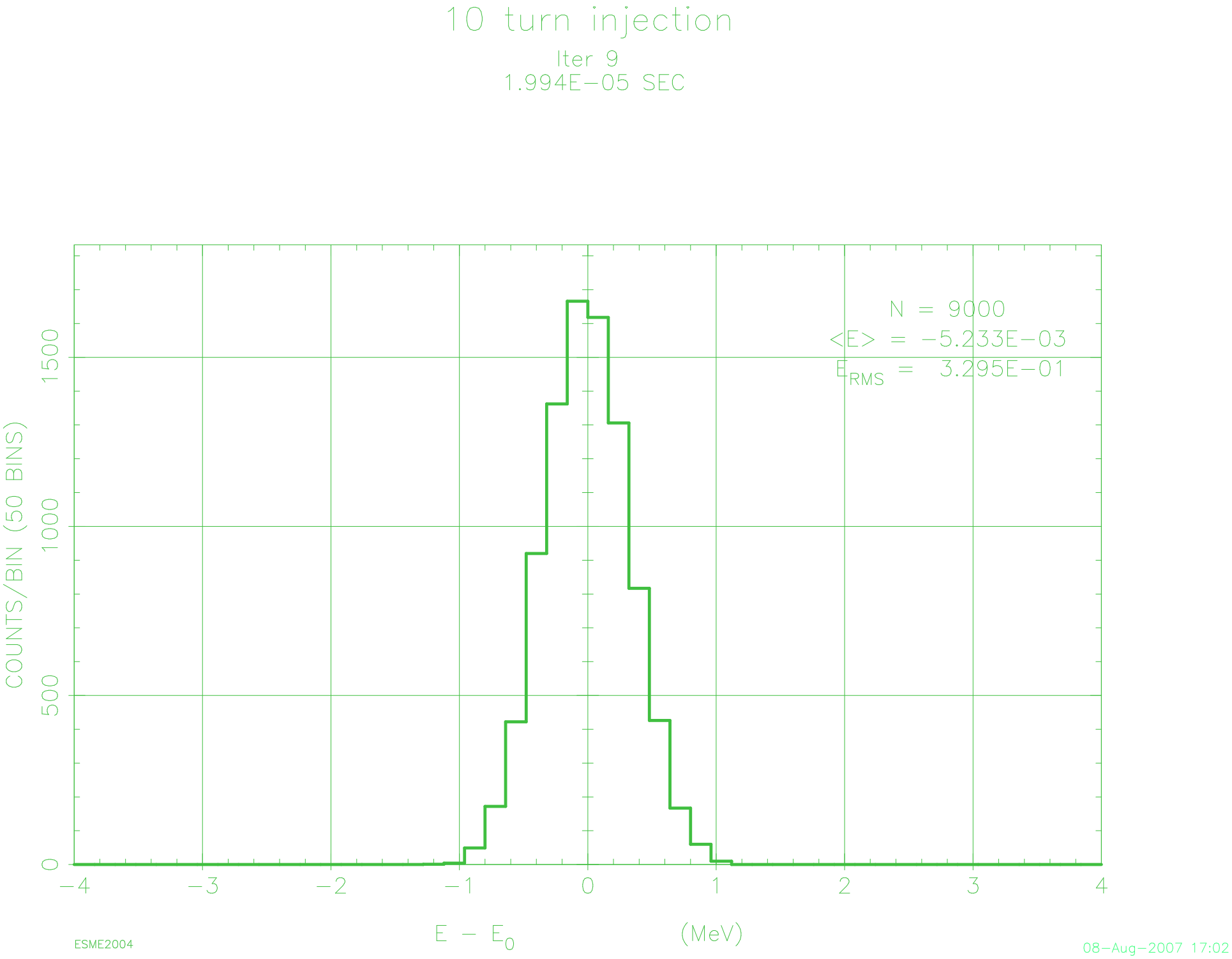
10 turn injection
Iter 9
1.994E−05 SEC
N = 9000
<E> = −5.233E−03
E_RMS = 3.295E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E_0
(MeV)
ESME2004
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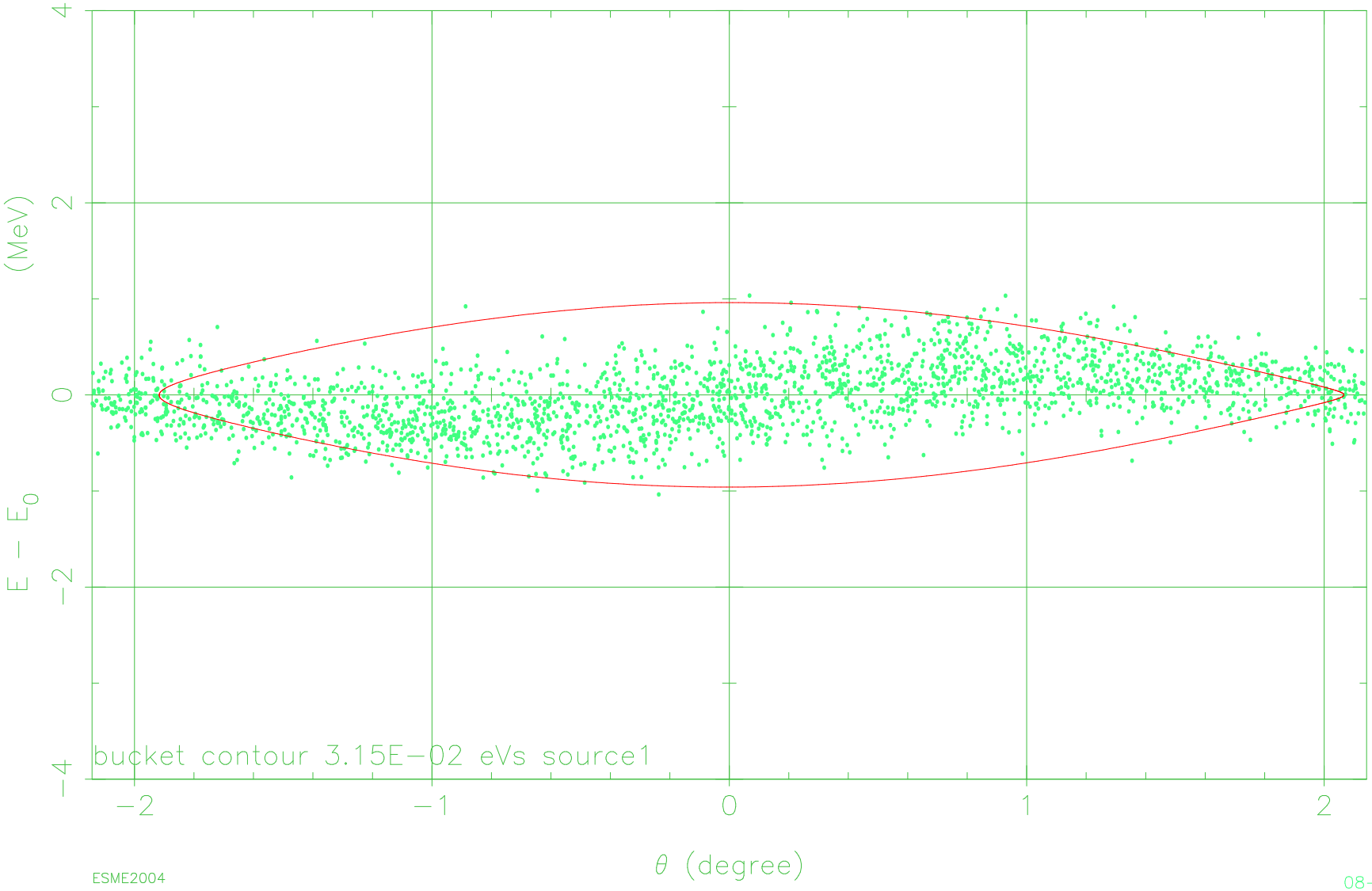
10 turn injection

Iter 9 1.994E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.6012E−01	3.1529E−02	1.3398E+03	84	5.556E−02	5.097E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
1.8271E−02	3.1247E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.7500E−03	9000			



ESME2004

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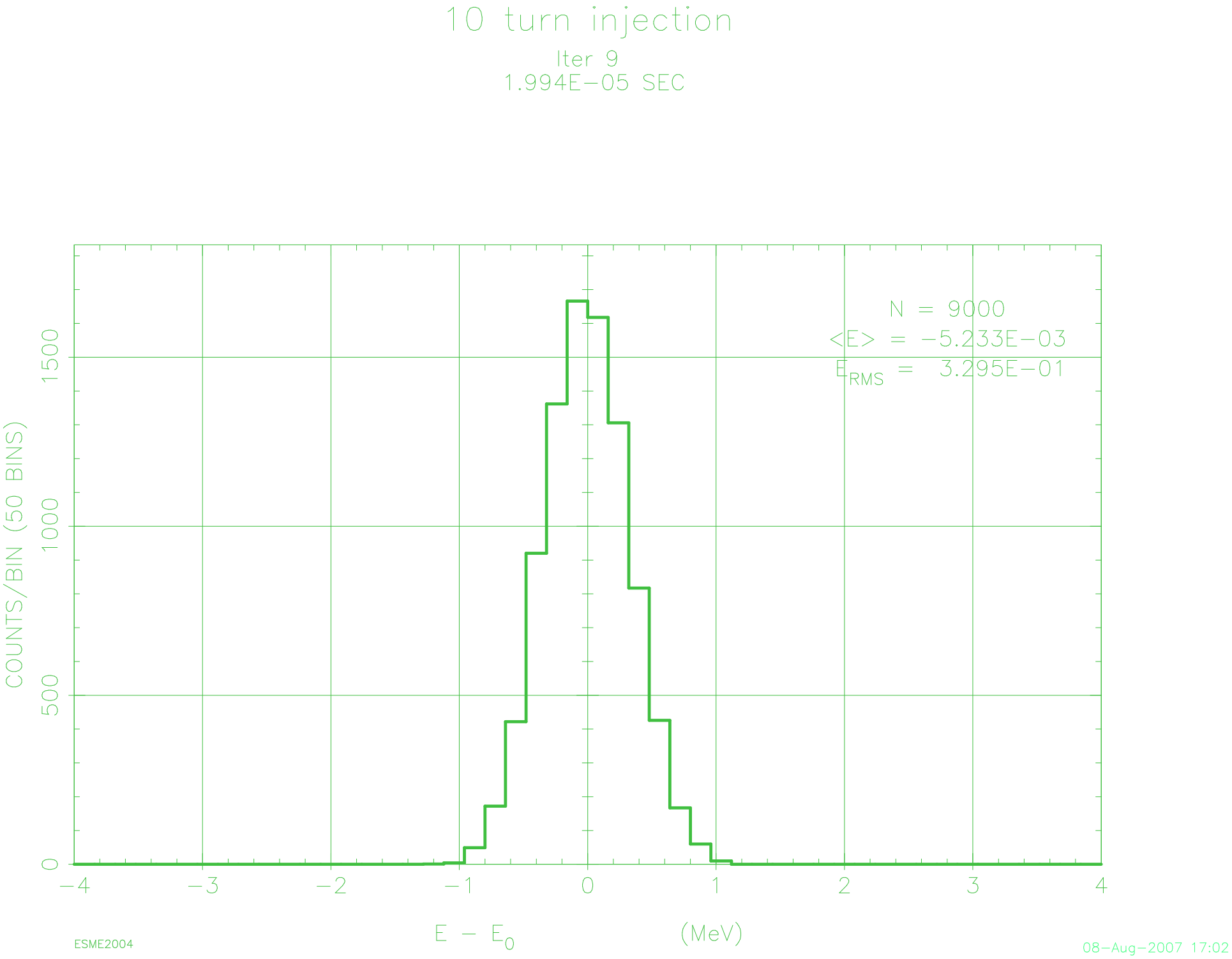
10 turn injection
Iter 9
1.994E−05 SEC
N = 9000
<E> = −5.233E−03
E_RMS = 3.295E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
−4
−3
−2
−1
0
1
2
3
4
E − E0 (MeV)
ESME2004
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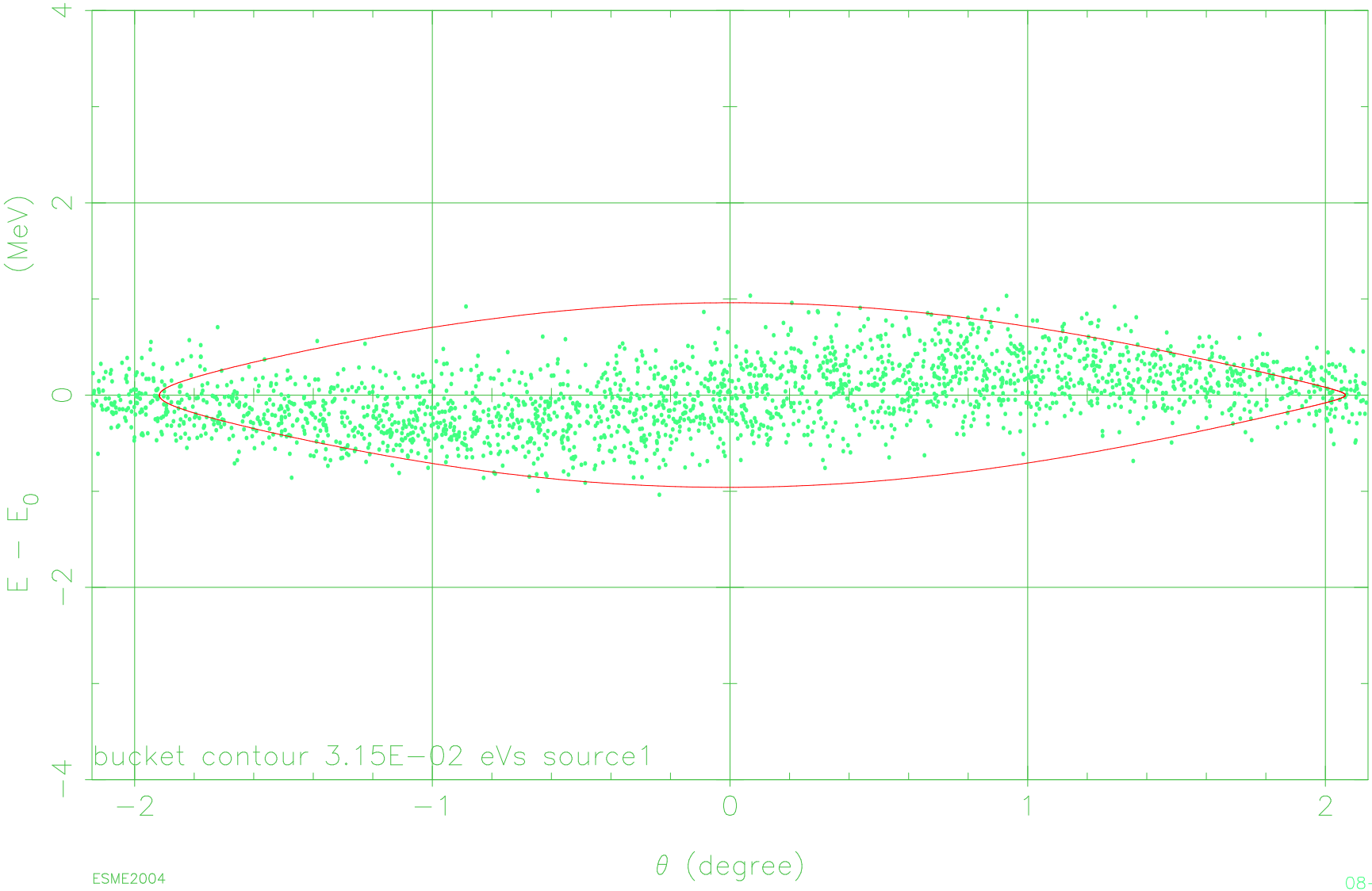
10 turn injection

Iter 9 1.994E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.6012E−01	3.1529E−02	1.3398E+03	84	5.556E−02	5.097E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
1.8271E−02	3.1247E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.7500E−03	9000			



ESME2004

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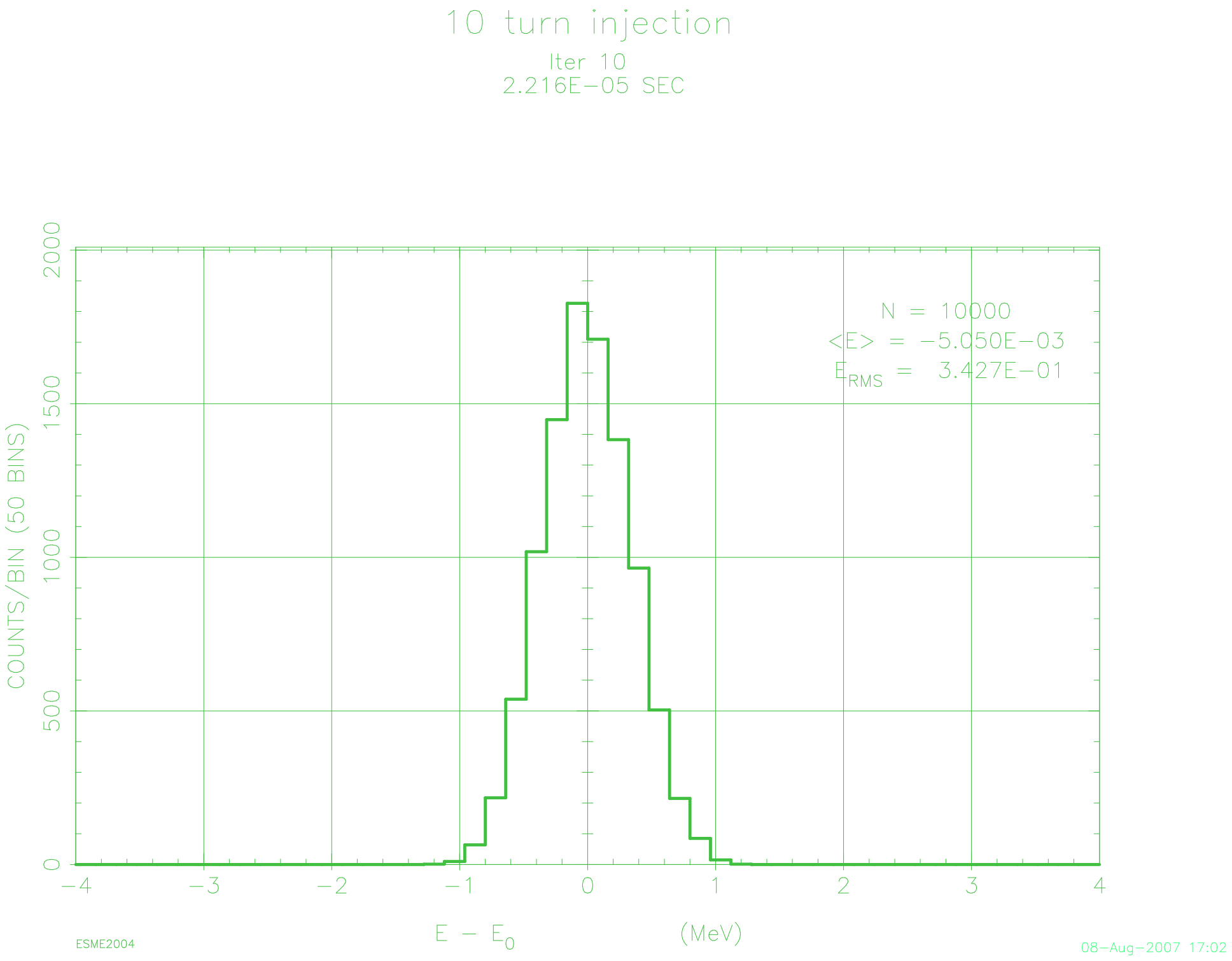
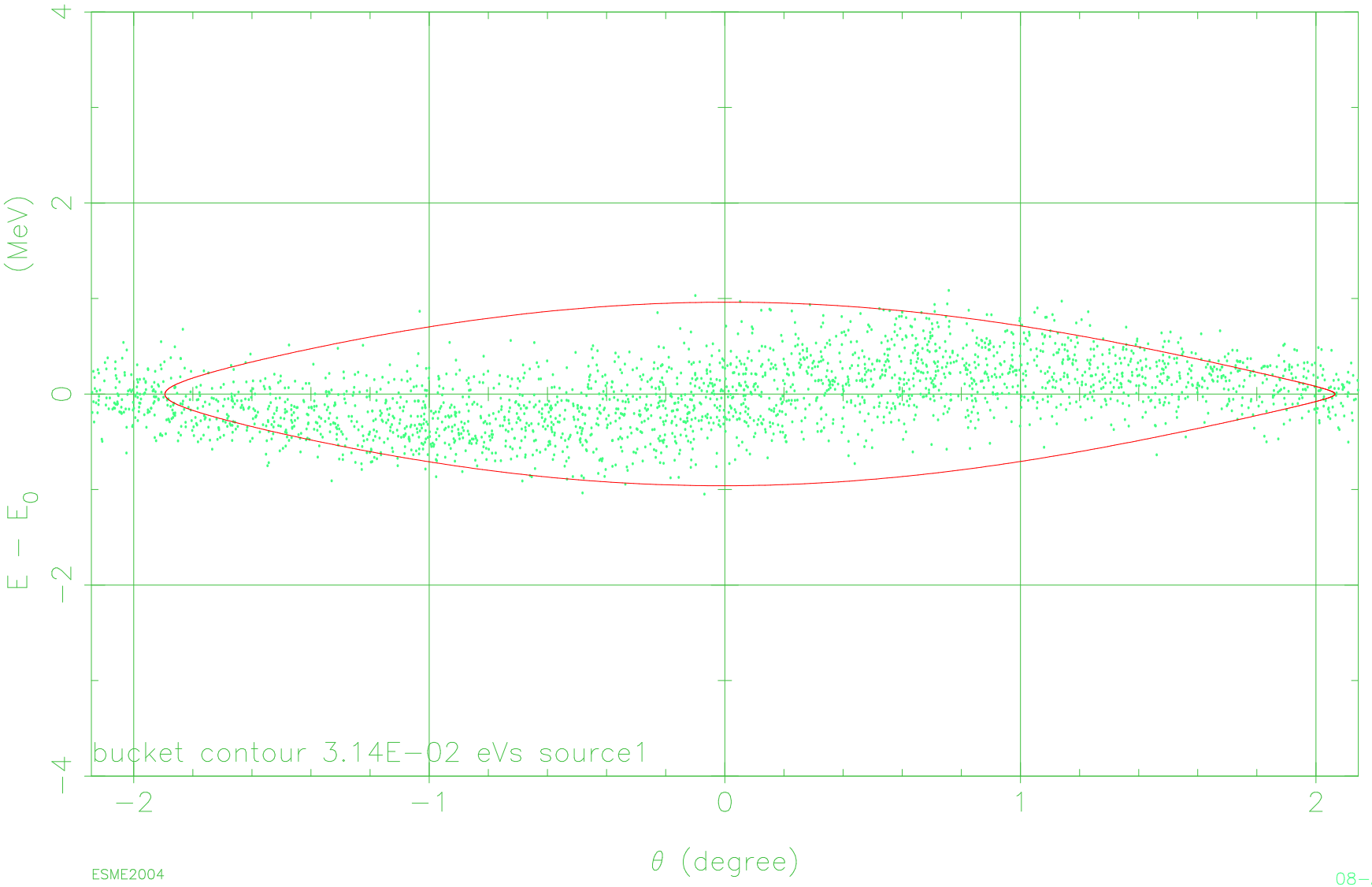

10 turn injection
Iter 10
2.216E−05 SEC
N = 10000
<E> = −5.050E−03
E_RMS = 3.427E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
2000
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
08−Aug−2007 17:02

10 turn injection

Iter 10 2.216E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.6080E−01	3.1435E−02	1.3398E+03	84	5.583E−02	6.340E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
1.8316E−02	3.9059E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.9325E−03	10000			



ESME2004

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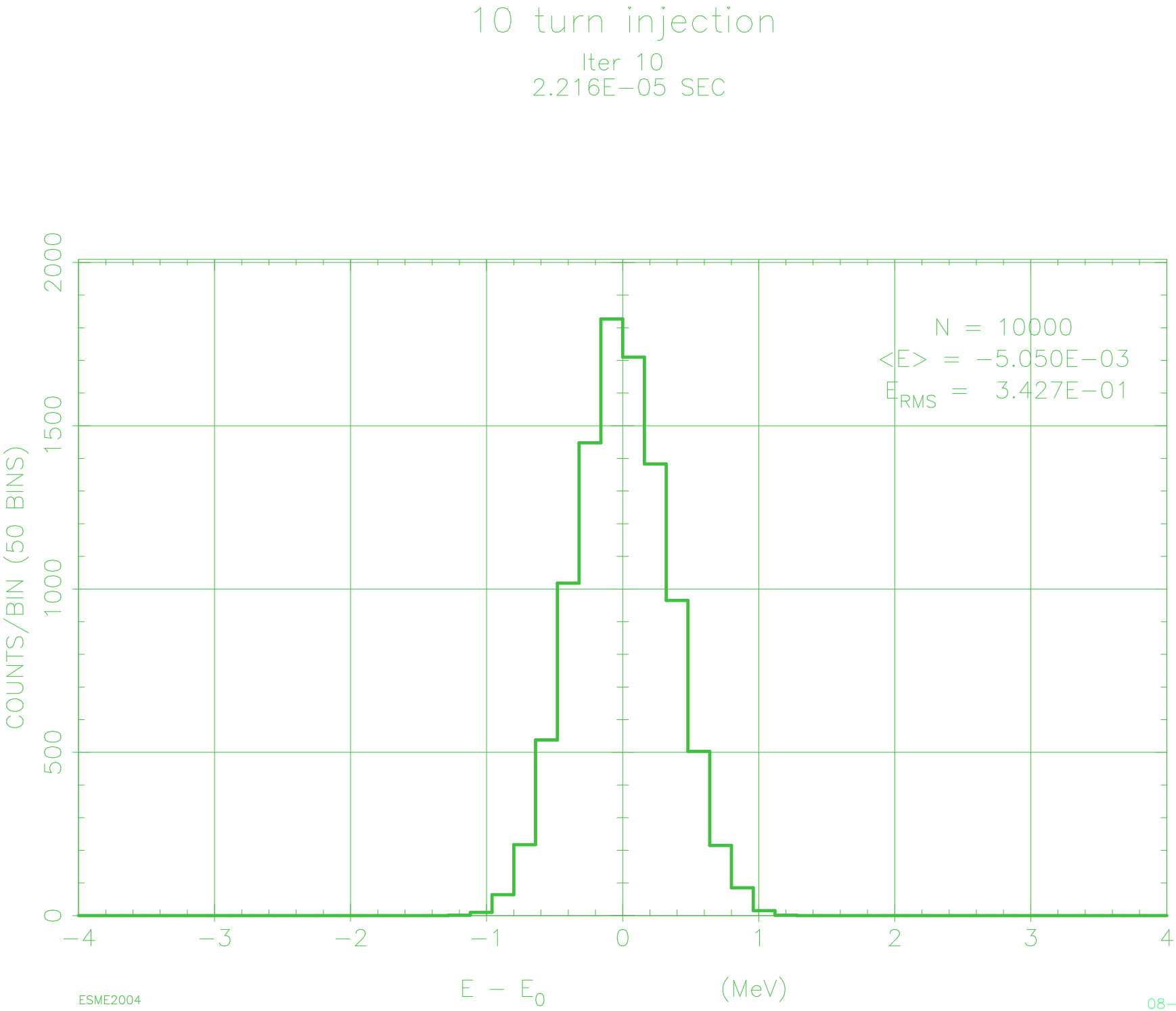
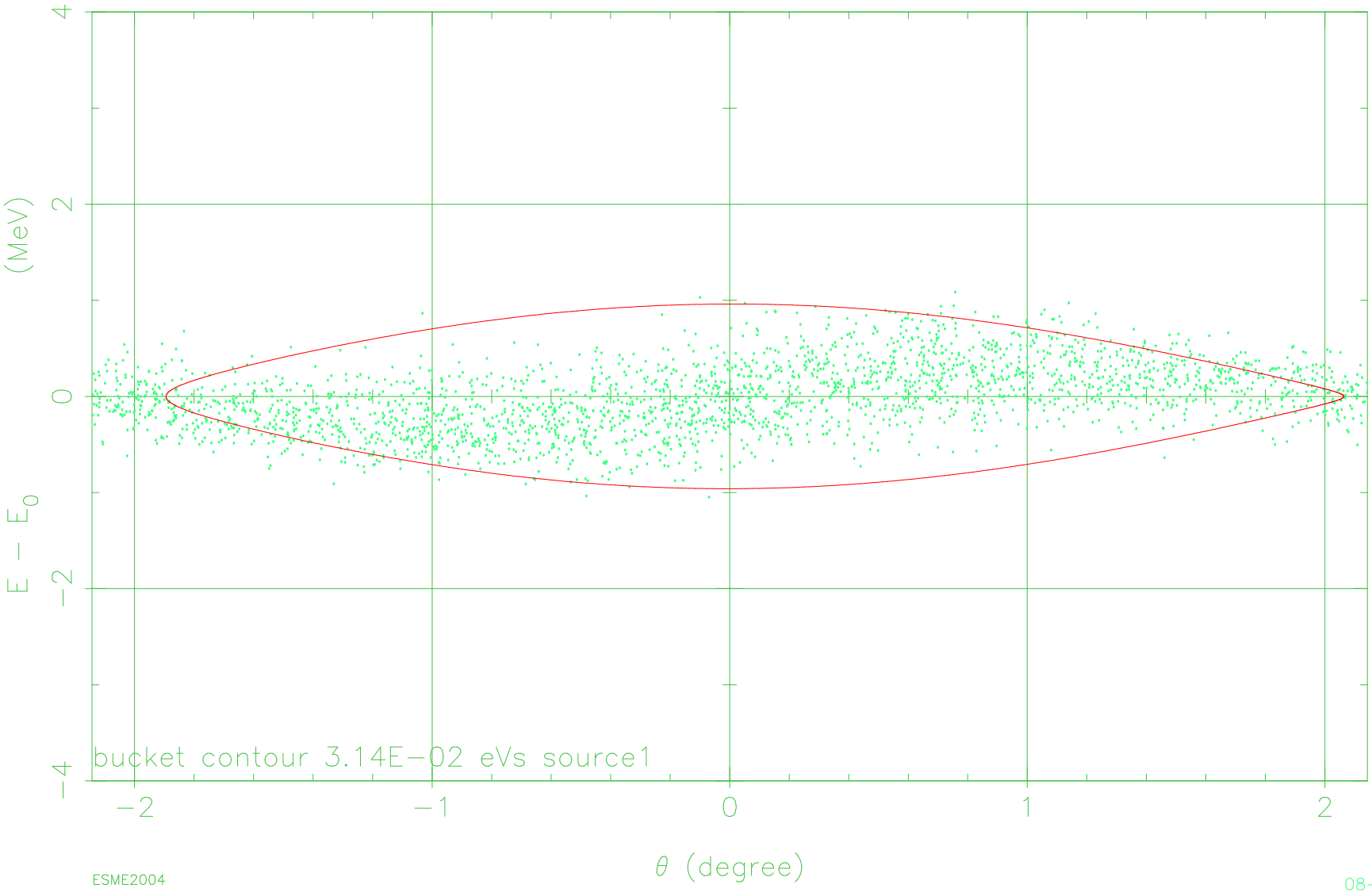

10 turn injection
Iter 10
2.216E−05 SEC
N = 10000
<E> = −5.050E−03
E_RMS = 3.427E−01
COUNTS/BIN (50 BINS)
0
500
1000
1500
2000
−4
−3
−2
−1
0
1
2
3
4
E − E0
(MeV)
ESME2004
08−Aug−2007 17:02

10 turn injection

Iter 10 2.216E−05 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
9.6080E−01	3.1435E−02	1.3398E+03	84	5.583E−02	6.340E−01
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
1.8316E−02	3.9059E+02	−3.0683E−01			
τ (s)	S_b (eV s)	N			
2.2158E−06	6.9325E−03	10000			



ESME2004

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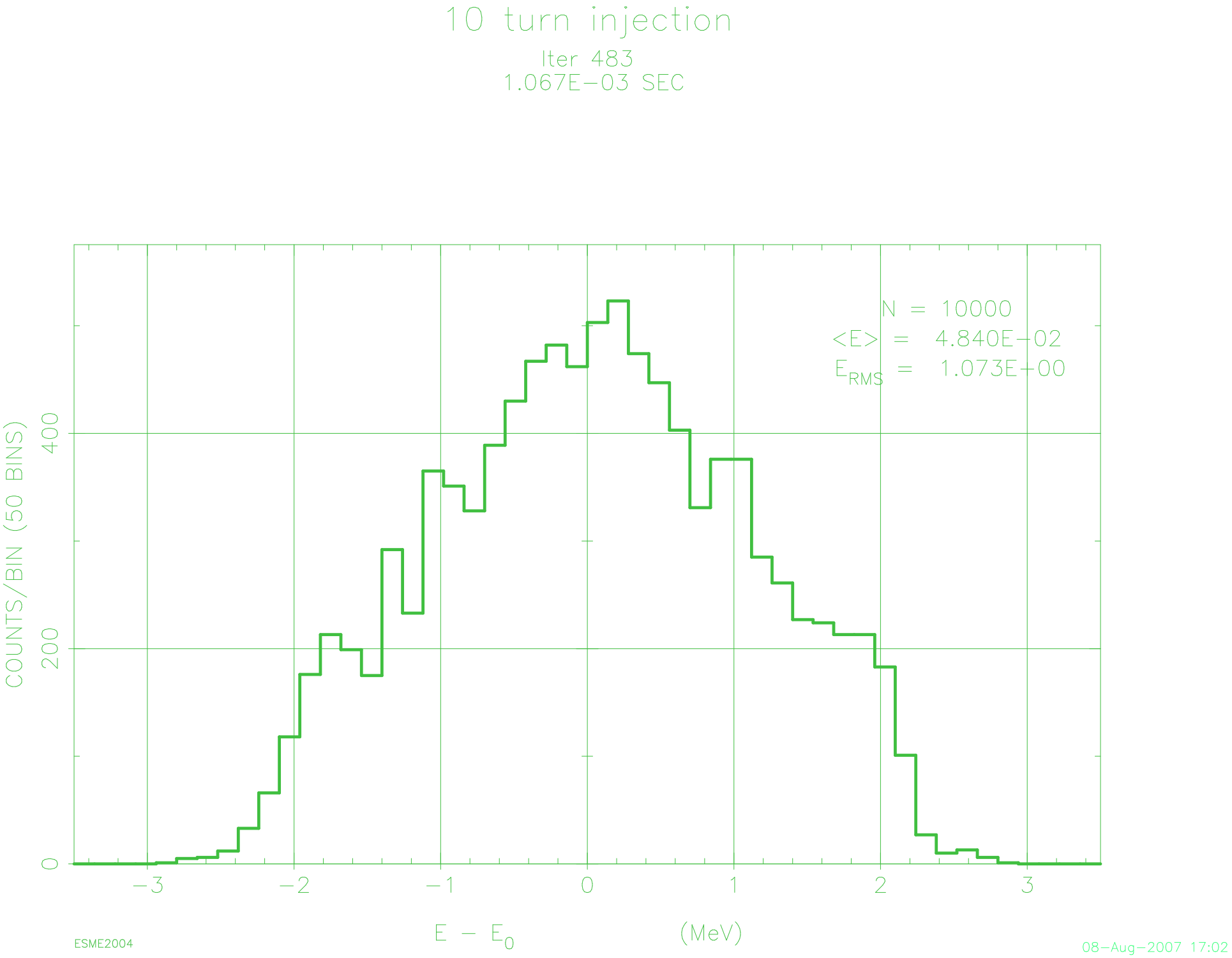
10 turn injection
Iter 483
1.067E−03 SEC
N = 10000
<E> = 4.840E−02
E_RMS = 1.073E−00
COUNTS/BIN (50 BINS)
0
200
400
−3
−2
−1
0
1
2
3
E − E0
(MeV)
ESME2004
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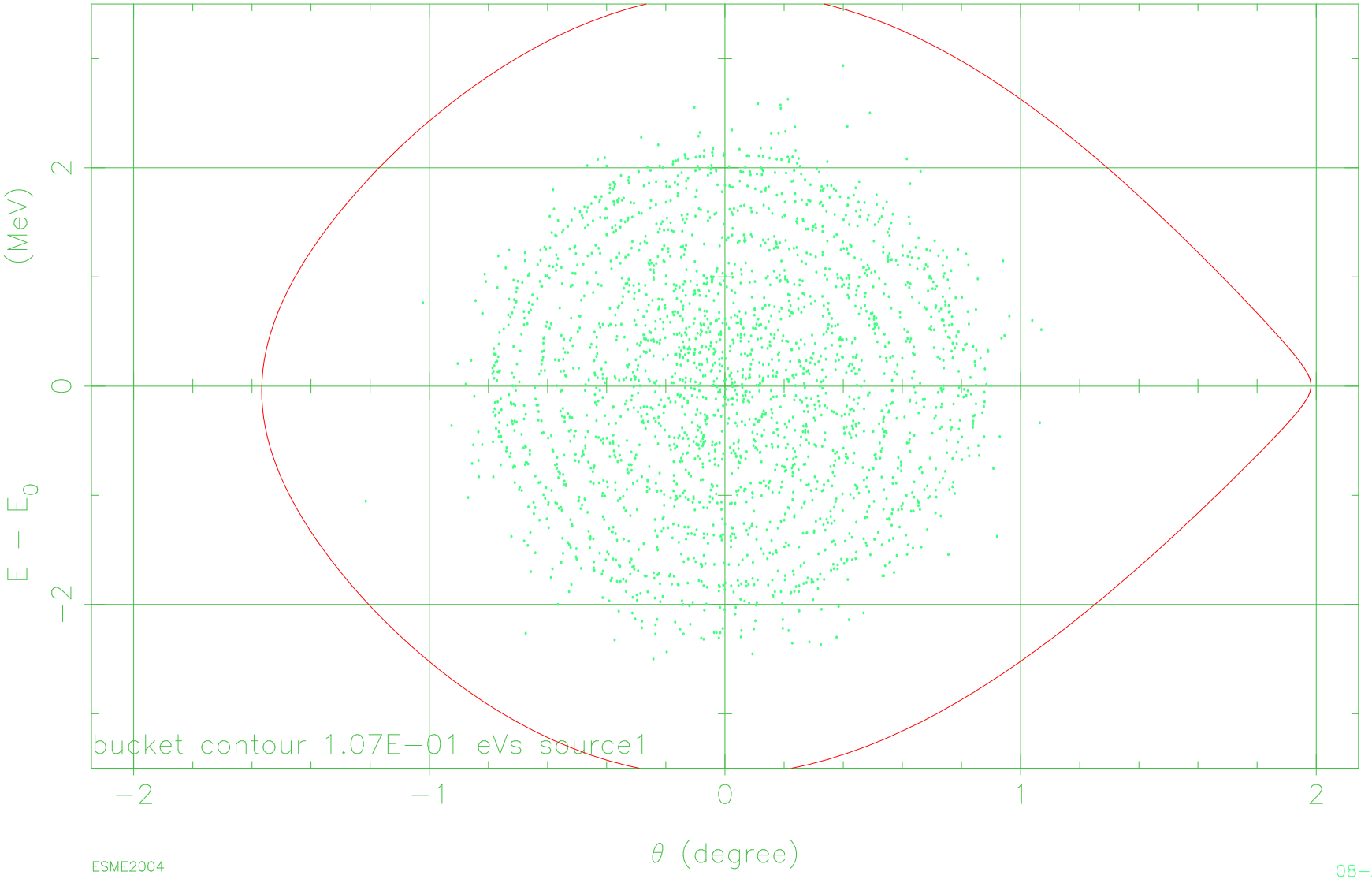
10 turn injection

Iter 483 1.067E−03 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
3.5856E+00	1.0699E−01	1.3539E+03	84	8.070E−01	4.176E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
6.7354E−02	3.7155E+04	−2.9666E−01			
τ (s)	S_b (eV s)	N			
2.1941E−06	8.4649E−03	10000			



ESME2004

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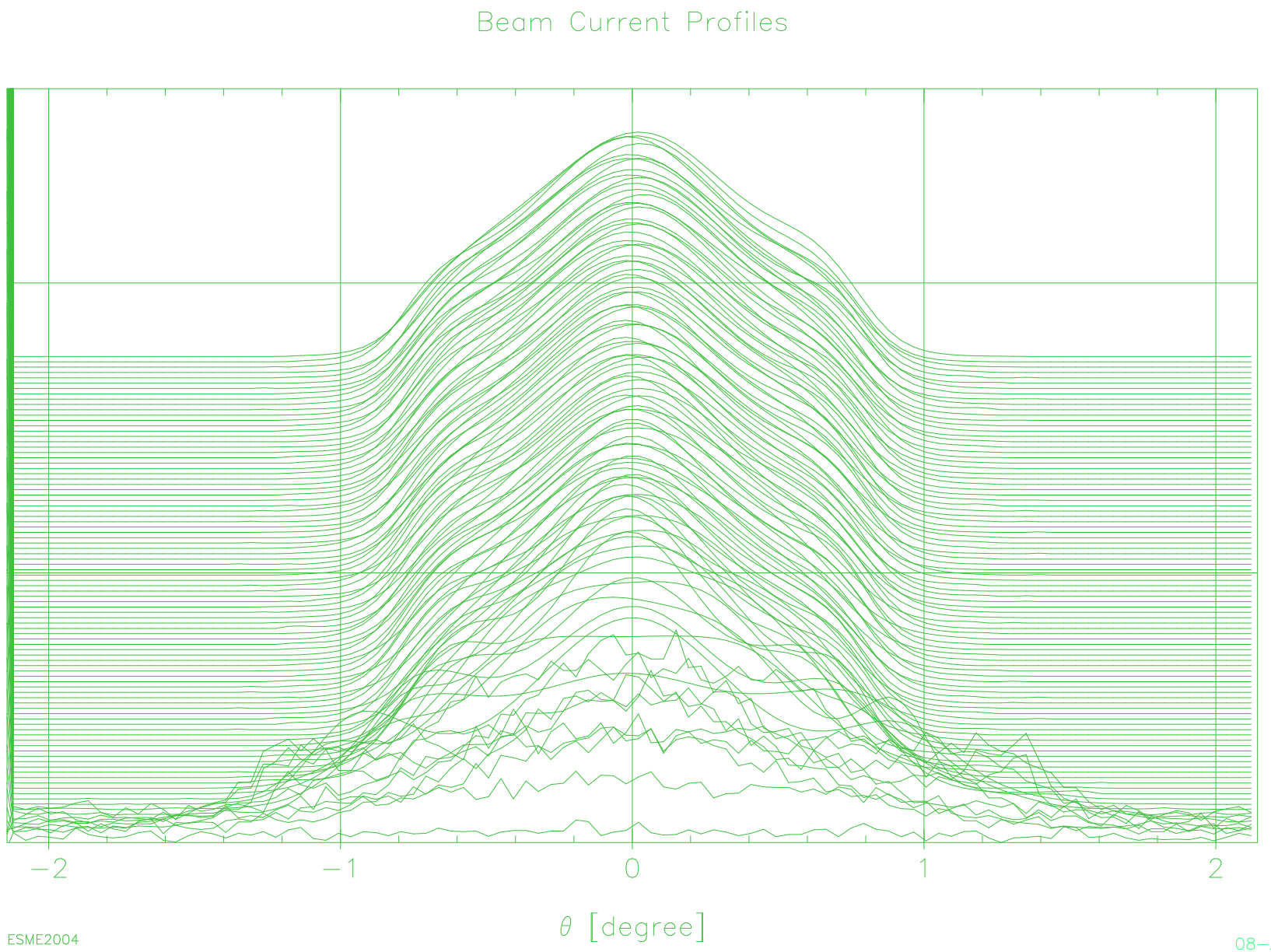
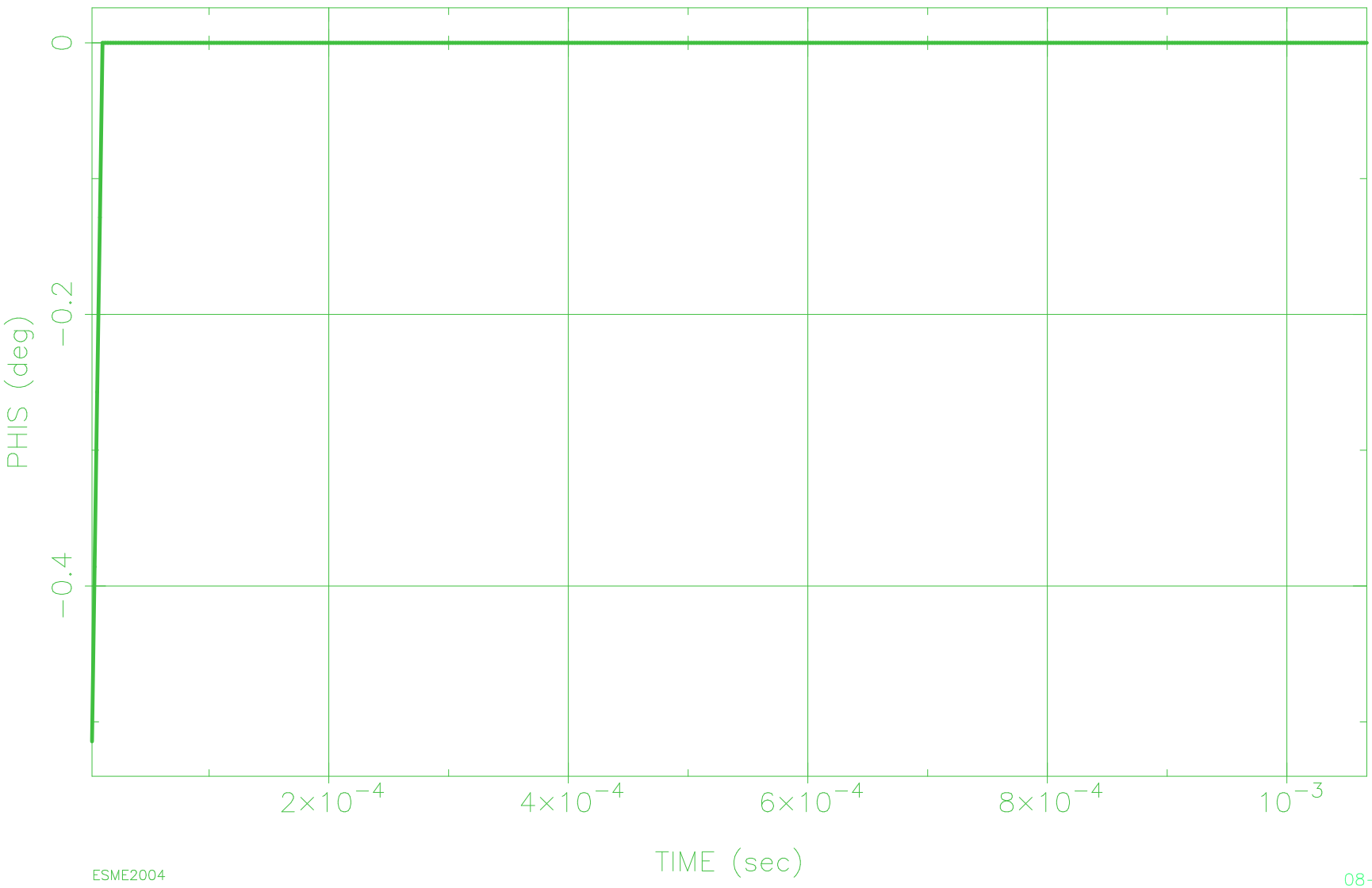
10 turn injection

every 5 turns, from turn 5



10 turn injection

PHIS VS TIME



ESME2004

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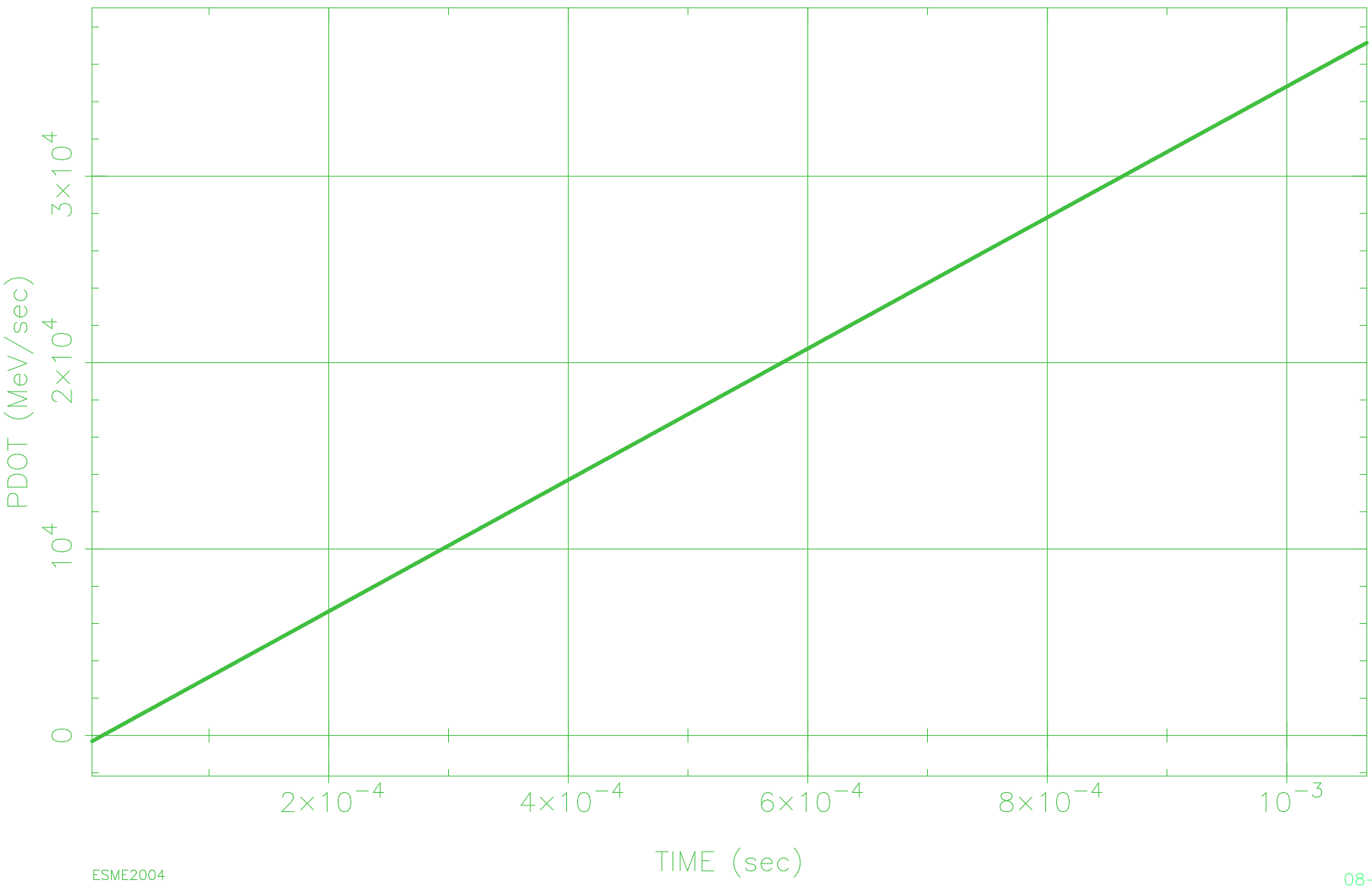
10 turn injection

PDOT VS TIME



ESME2004

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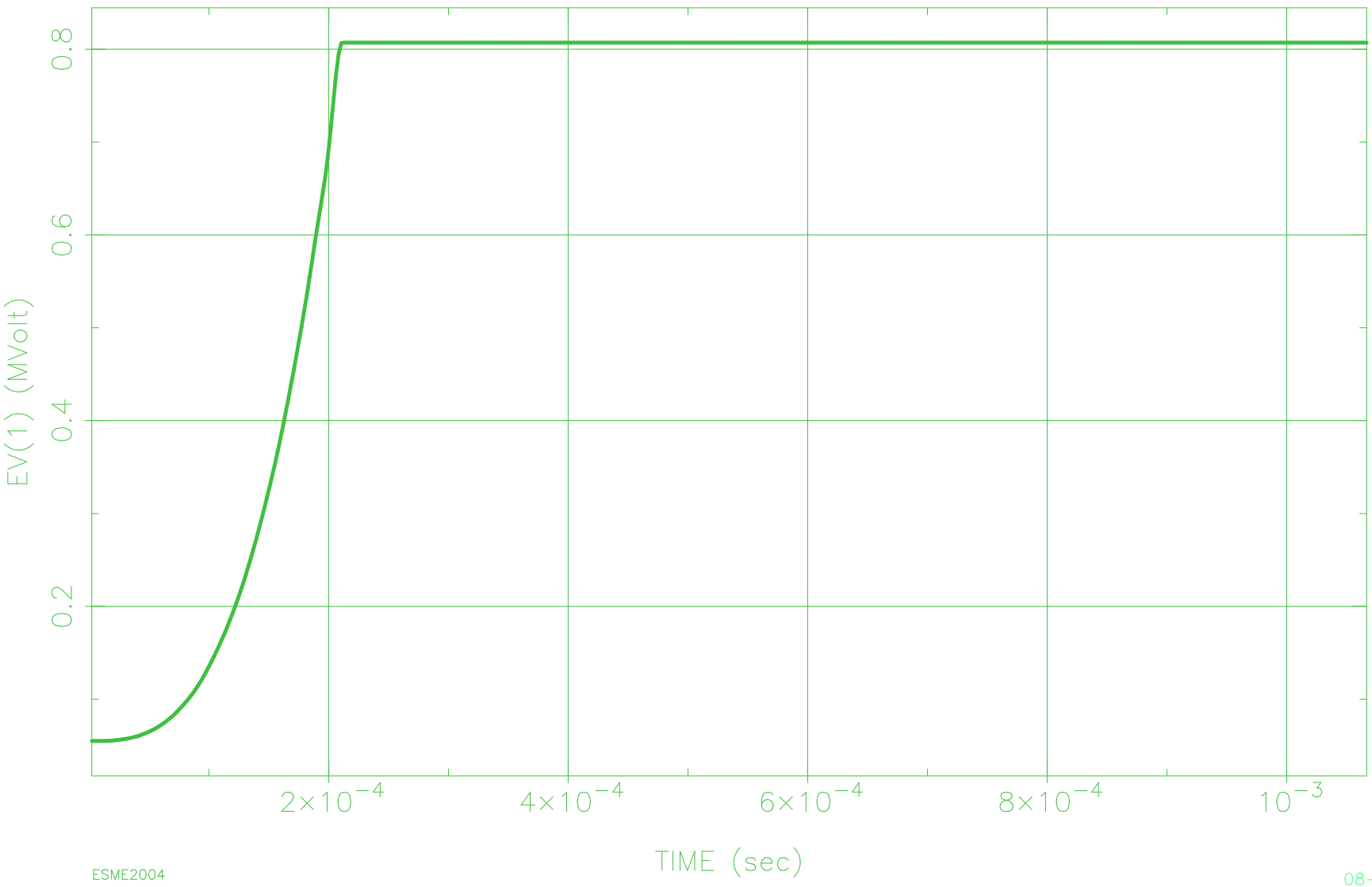
10 turn injection

EV(1) VS TIME



ESME2004

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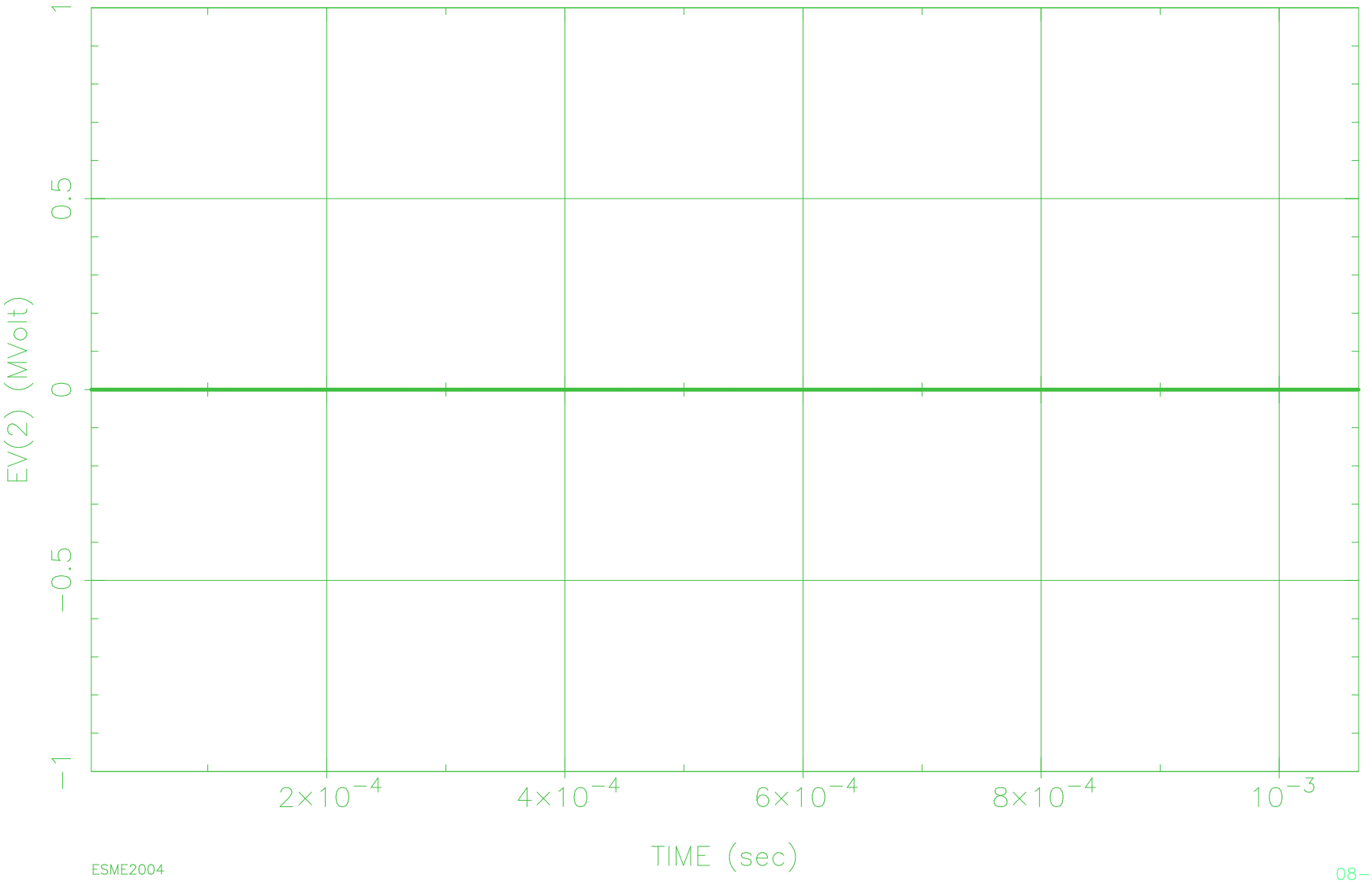
10 turn injection

EV(2) VS TIME



ESME2004

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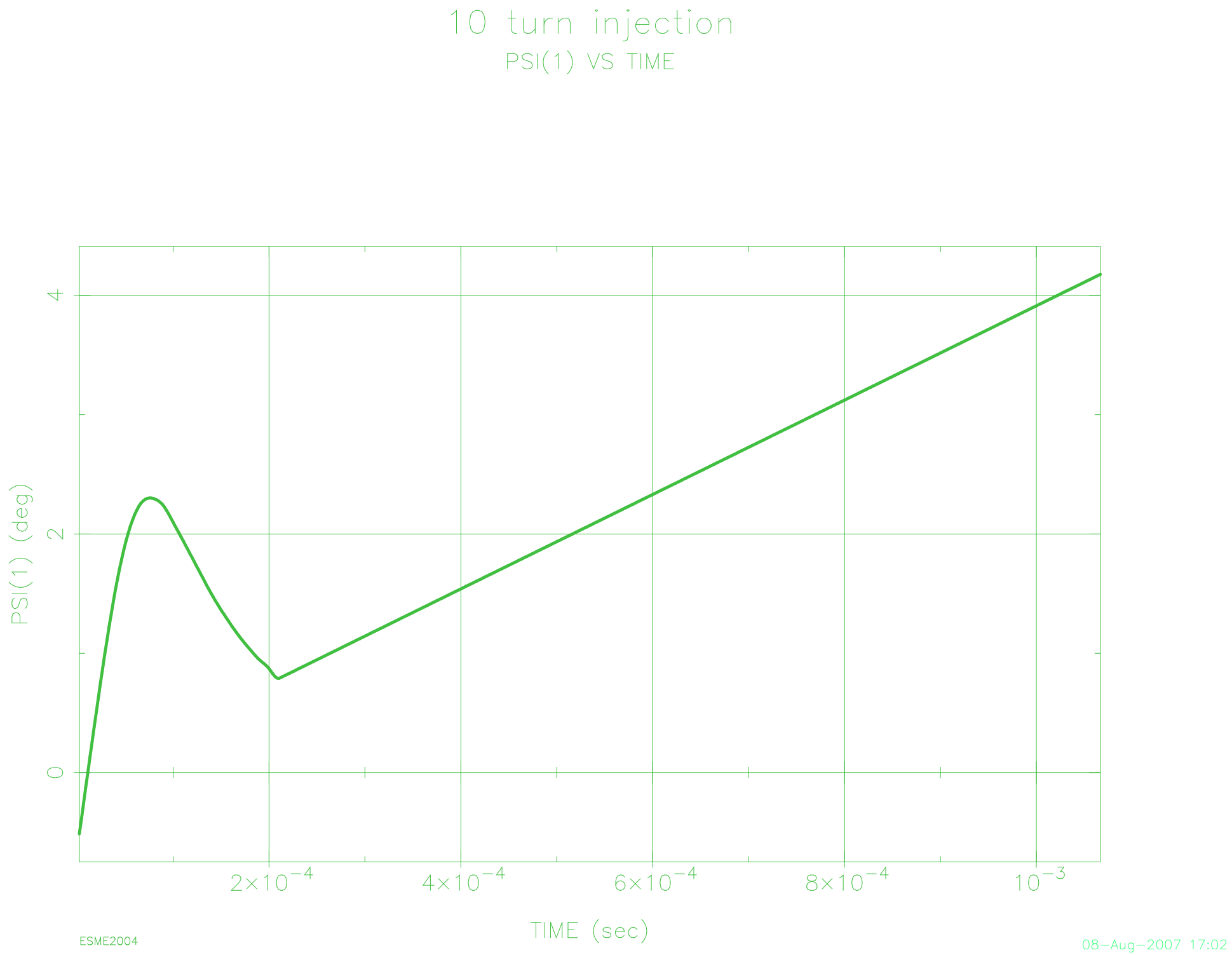
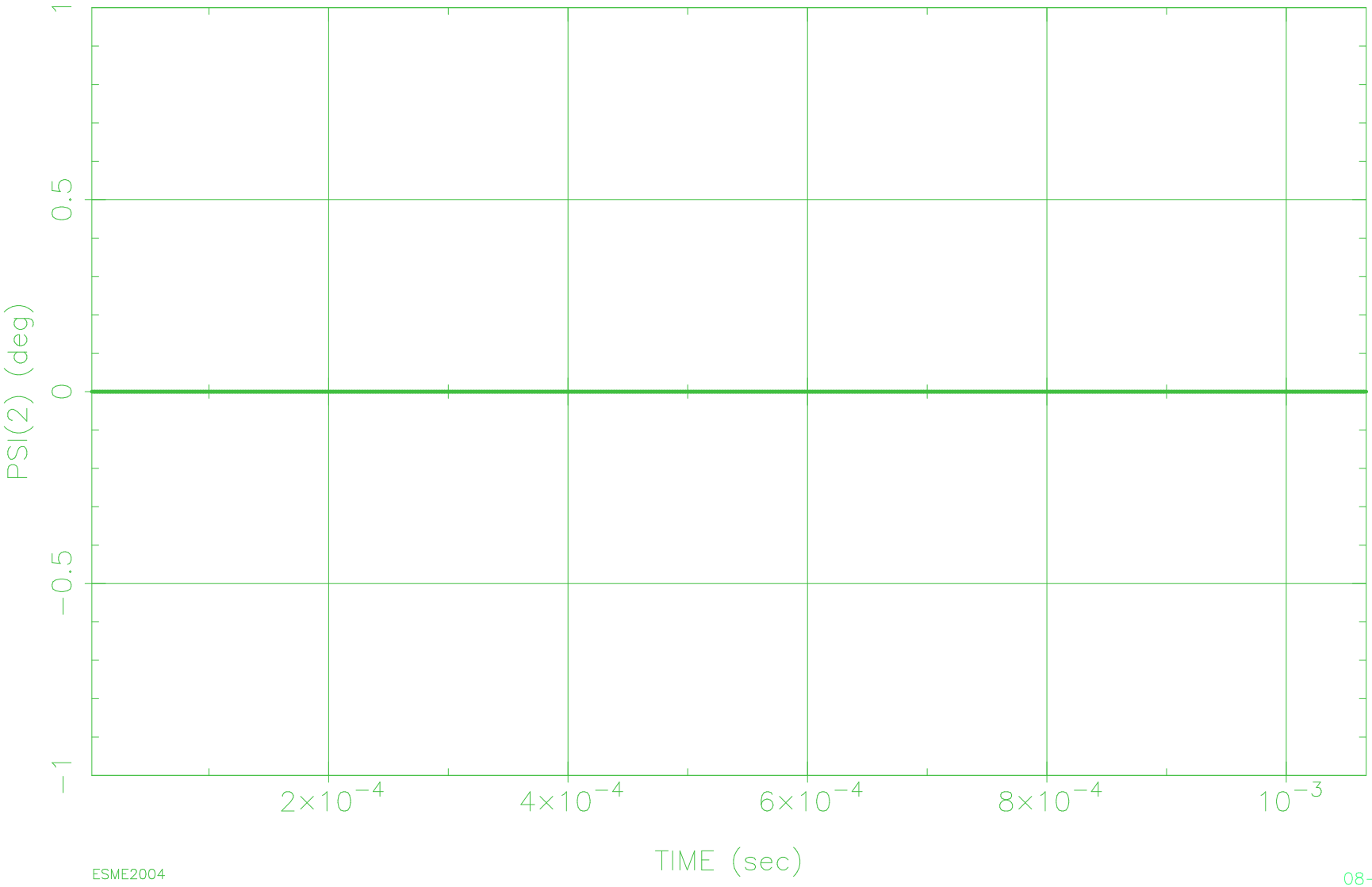

10 turn injection
PSI(1) VS TIME
PSI(1) (deg)
0
2
4
2×10^-4
4×10^-4
6×10^-4
8×10^-4
10^-3
TIME (sec)
ESME2004
08-Aug-2007 17:02

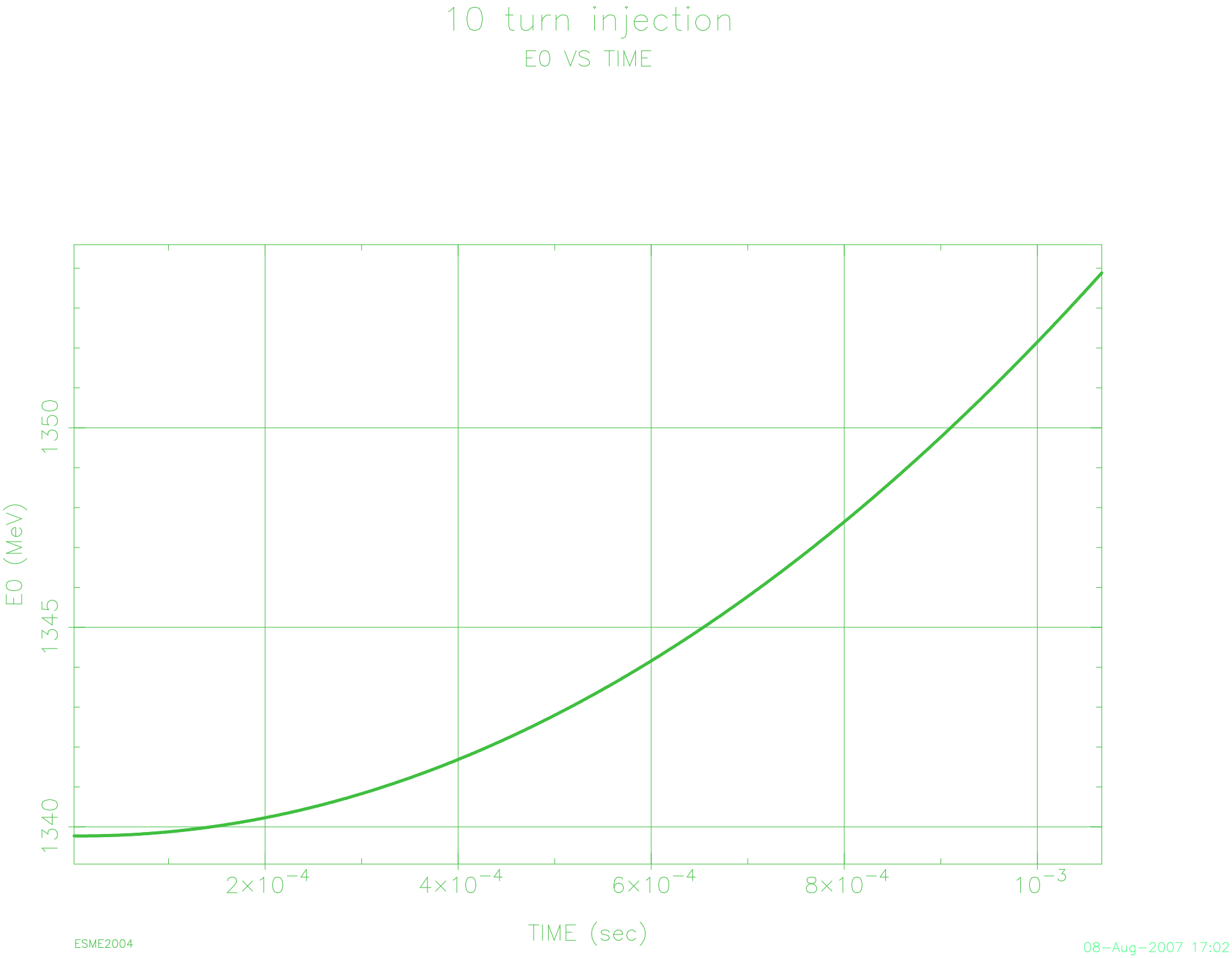
10 turn injection

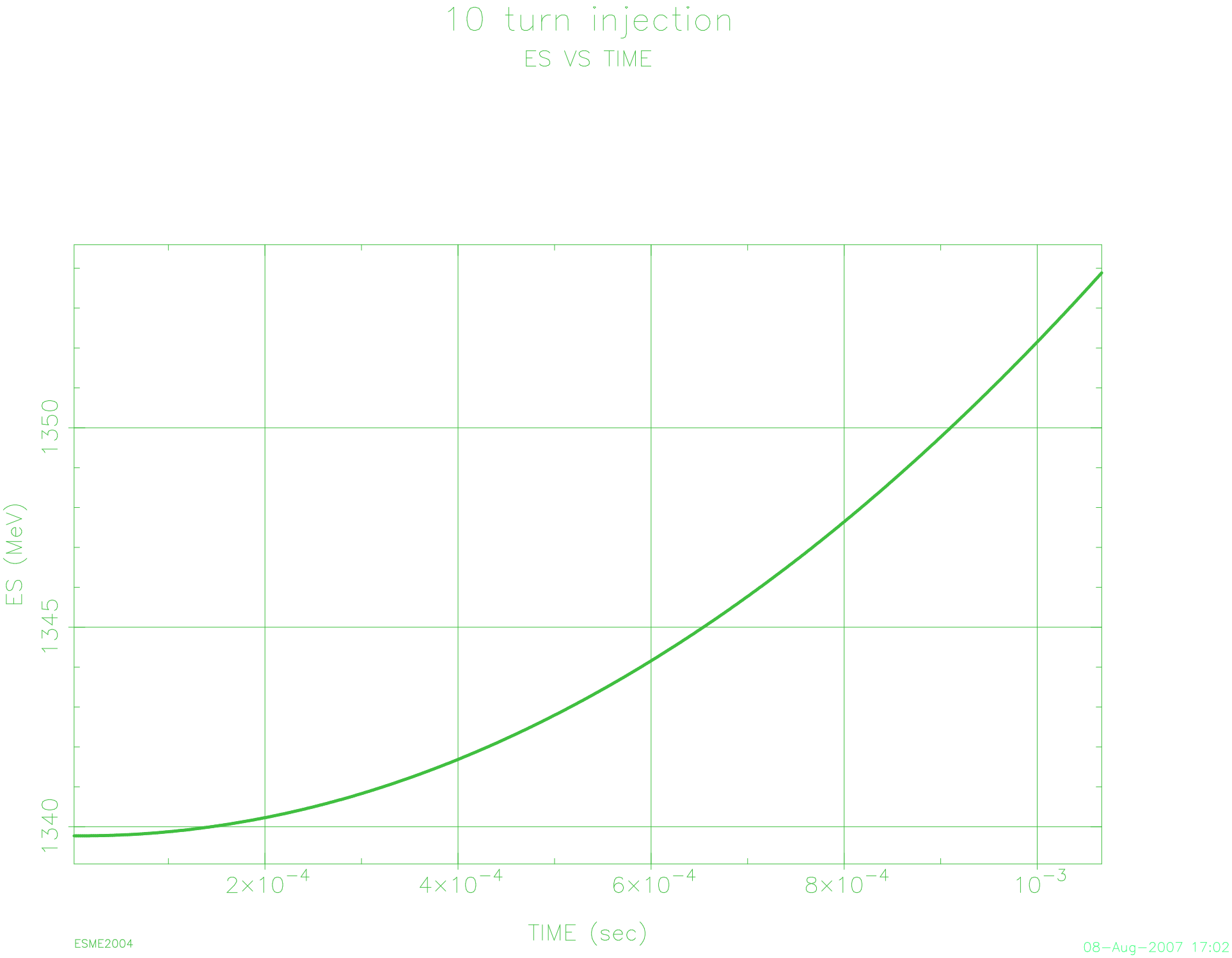
PSI(2) VS TIME

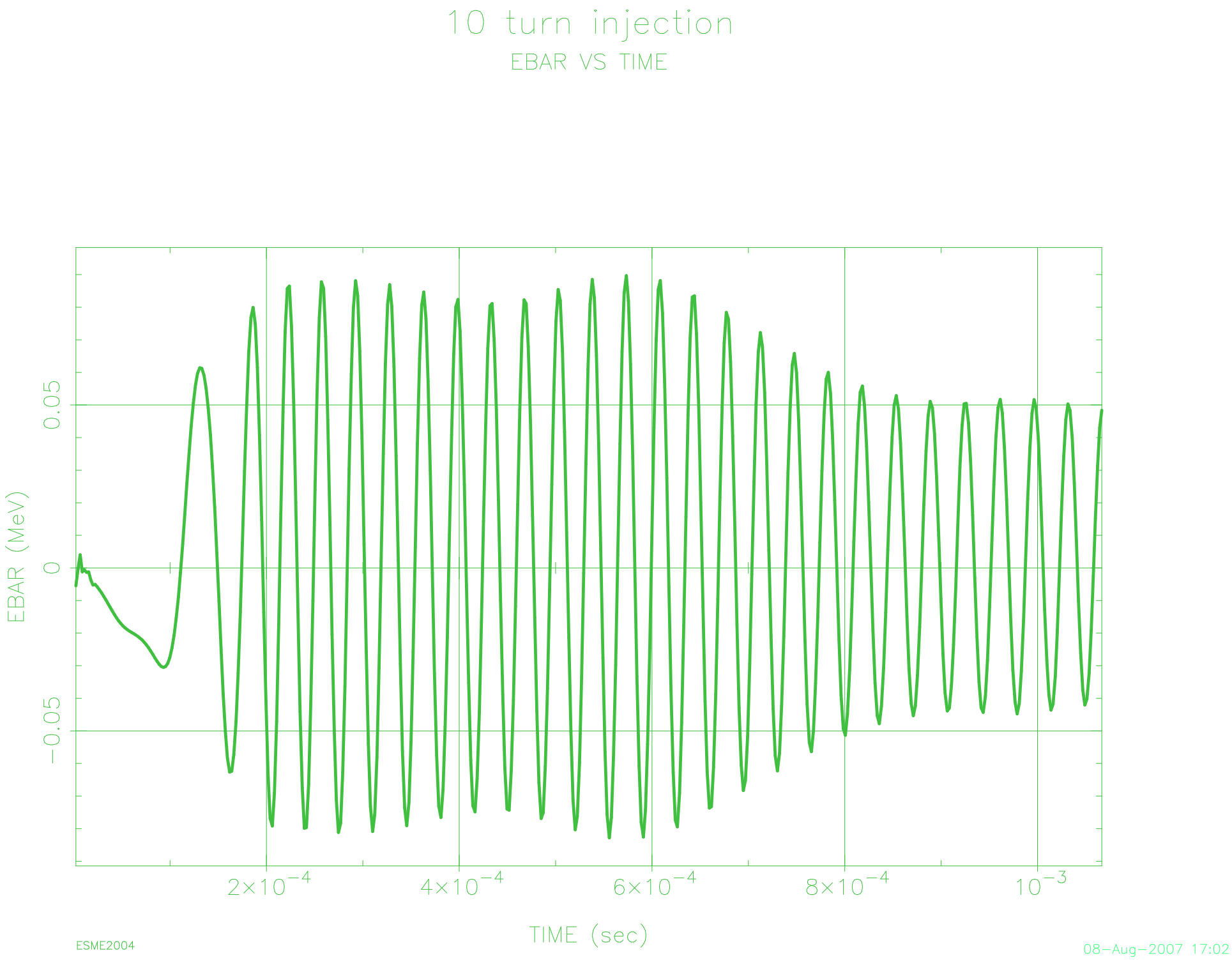


ESME2004

08-Aug-2007 17:02


10 turn injection
E0 VS TIME
E0 (MeV)
1350
1345
1340
2×10^-4
4×10^-4
6×10^-4
8×10^-4
10^-3
TIME (sec)
ESME2004
08-Aug-2007 17:02


10 turn injection
ES VS TIME
ES (MeV)
1340
1345
1350
2×10^-4
4×10^-4
6×10^-4
8×10^-4
10^-3
TIME (sec)
ESME2004
08-Aug-2007 17:02


10 turn injection
EBAR VS TIME
EBAR (MeV)
0.05
0
−0.05
2×10^−4
4×10^−4
6×10^−4
8×10^−4
10^−3
TIME (sec)
ESME2004
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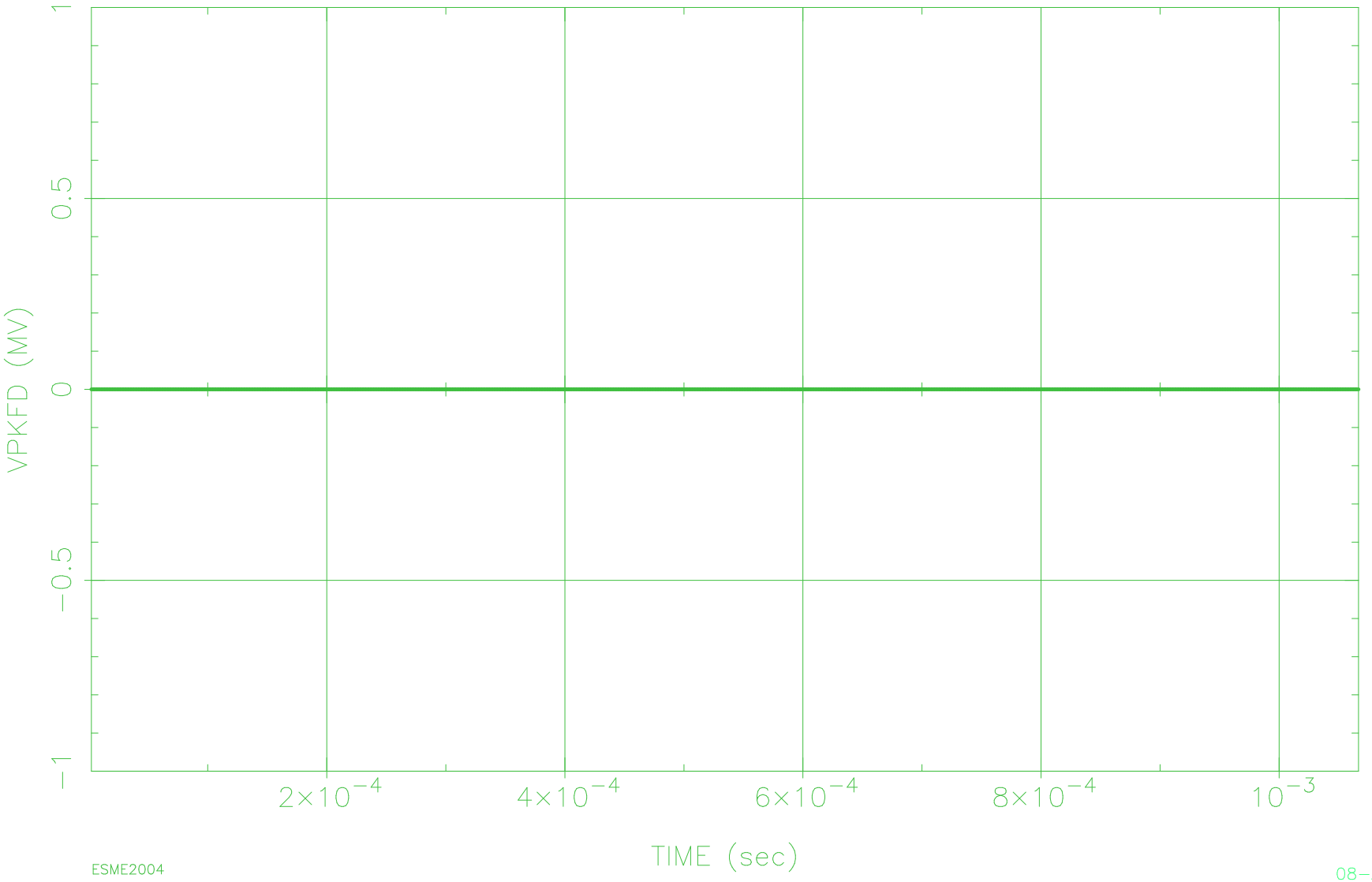
10 turn injection

VPKFD VS TIME



ESME2004

08−Aug−2007 17:02