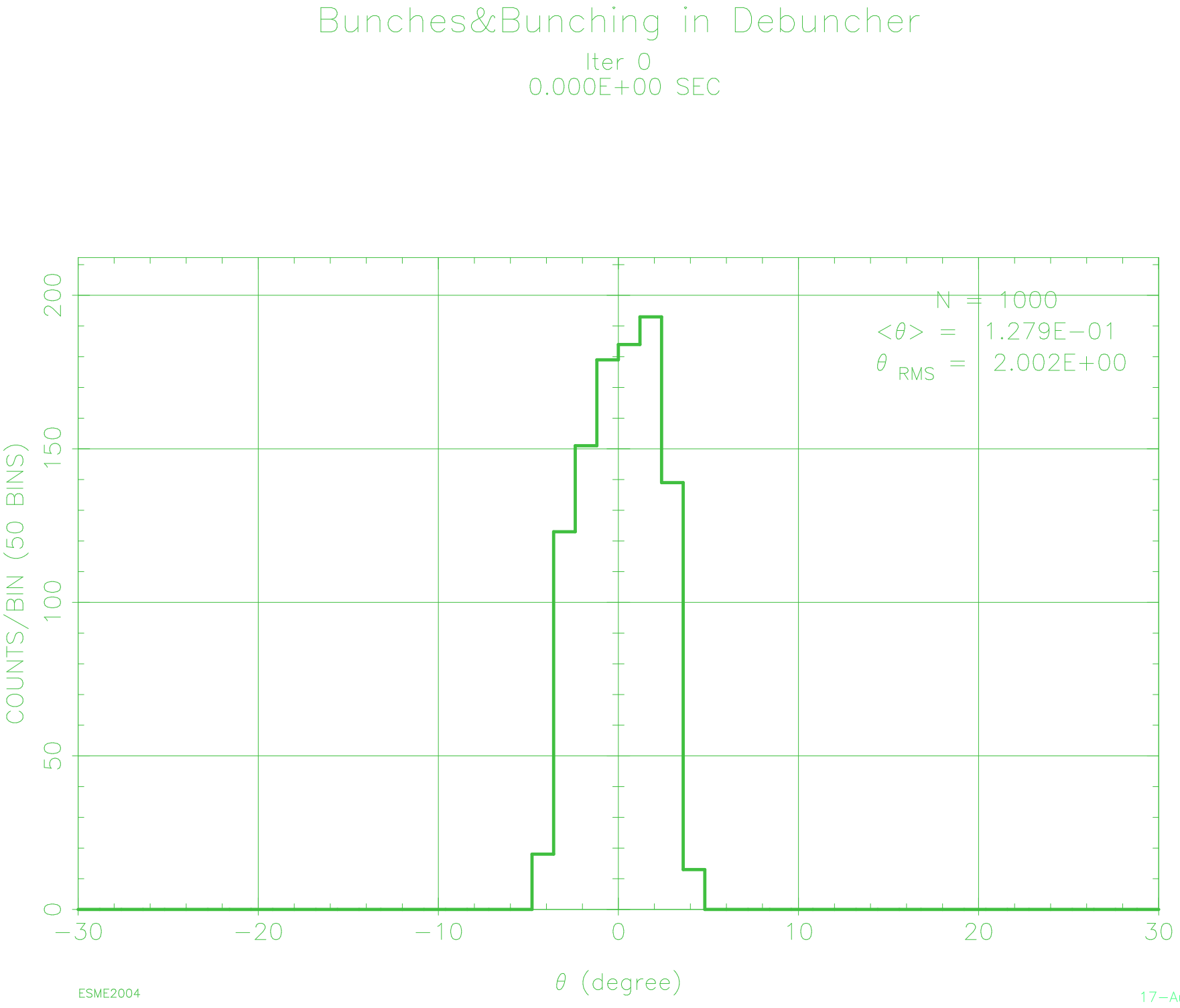
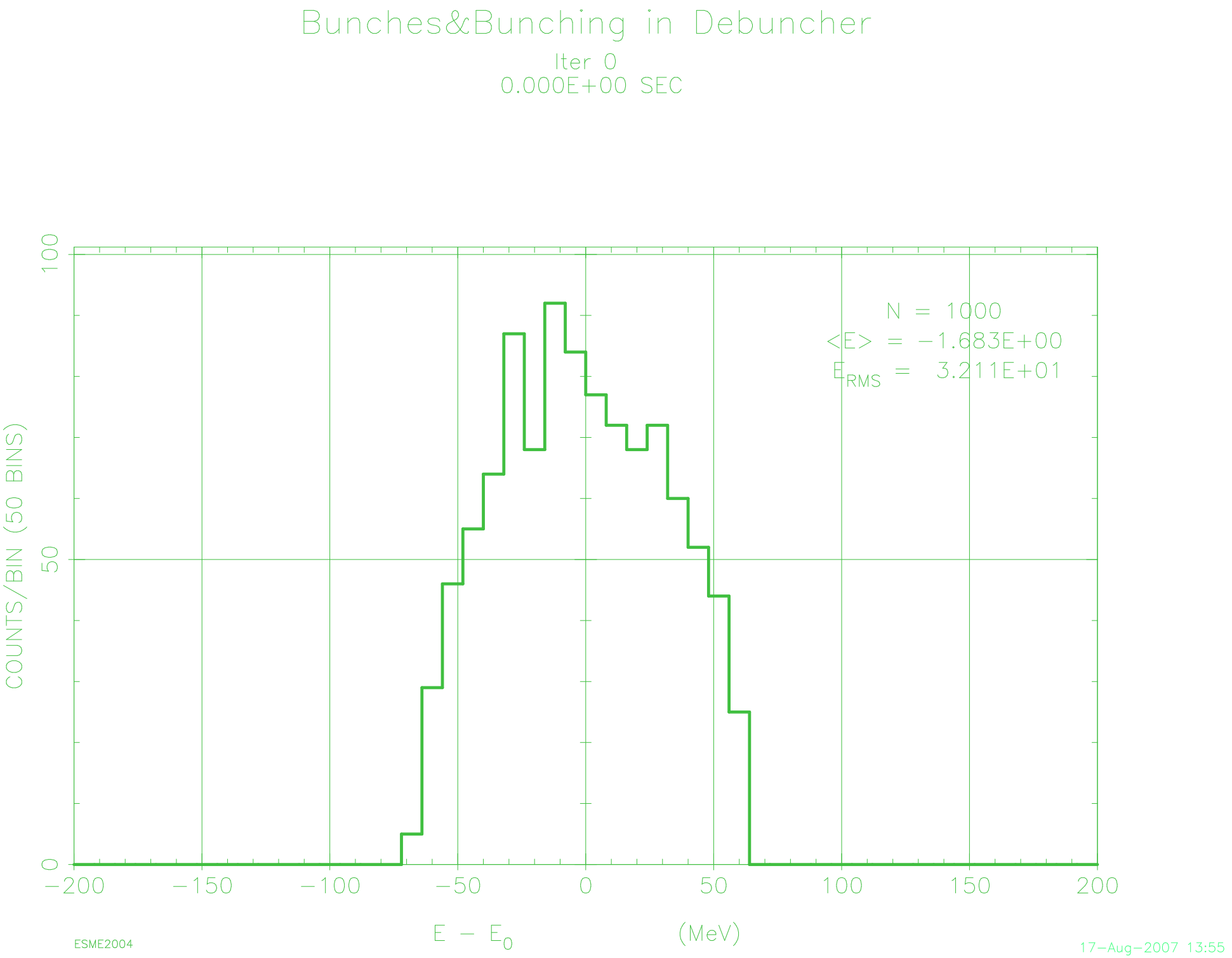
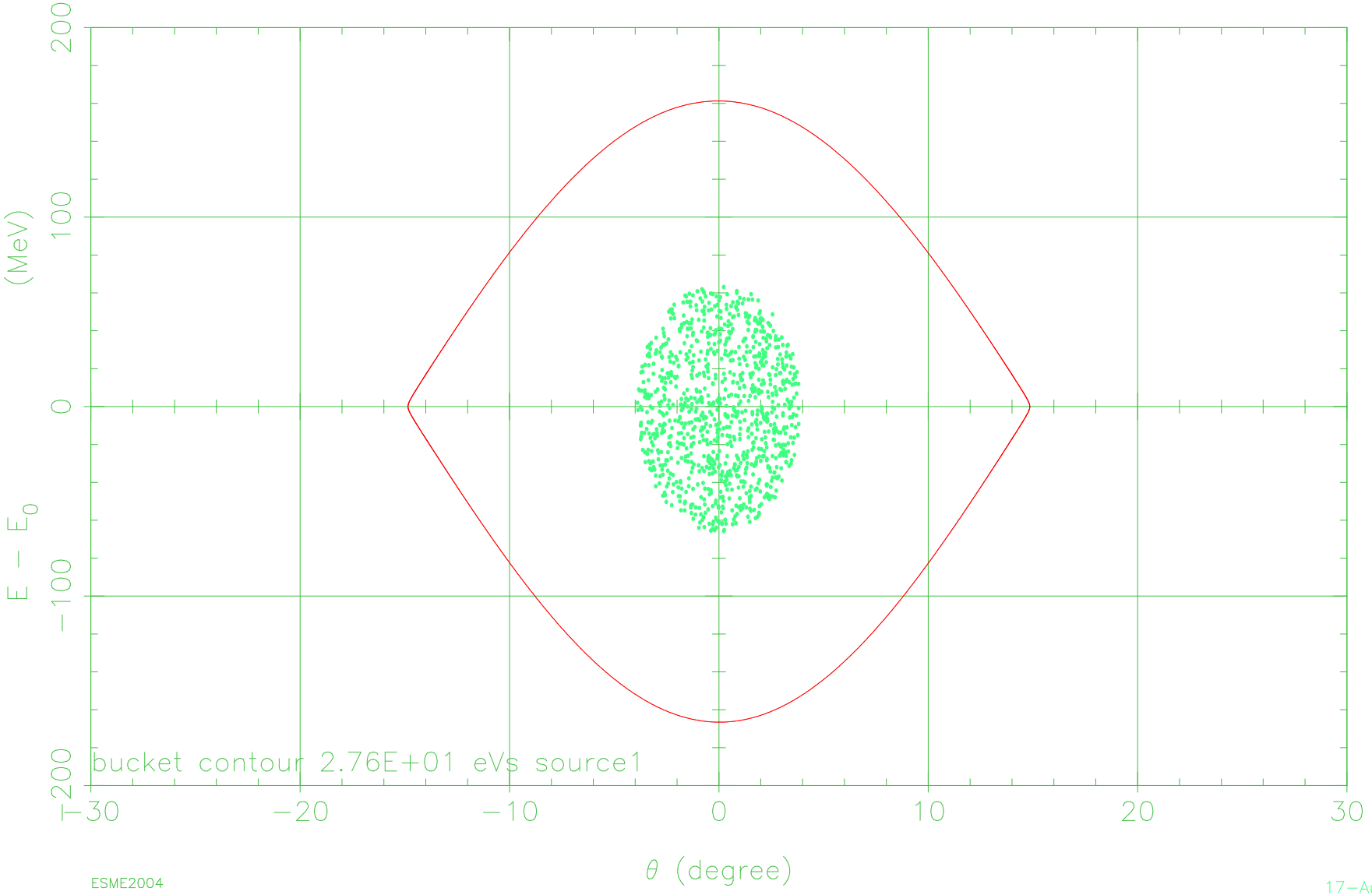

Bunches&Bunching in Debuncher
Iter 0
0.000E+00 SEC
N = 1000
<θ> = 1.279E−01
θ RMS = 2.002E+00
COUNTS/BIN (50 BINS)
0
50
100
150
200
−30
−20
−10
0
10
20
30
θ (degree)
ESME2004
17−Aug−2007 13:55


Bunches&Bunching in Debuncher
Iter 0
0.000E+00 SEC
N = 1000
<E> = −1.683E+00
E_RMS = 3.211E+01
COUNTS/BIN (50 BINS)
100
50
0
−200
−150
−100
−50
0
50
100
150
200
E − E0
(MeV)
ESME2004
17−Aug−2007 13:55

Bunches&Bunching in Debuncher

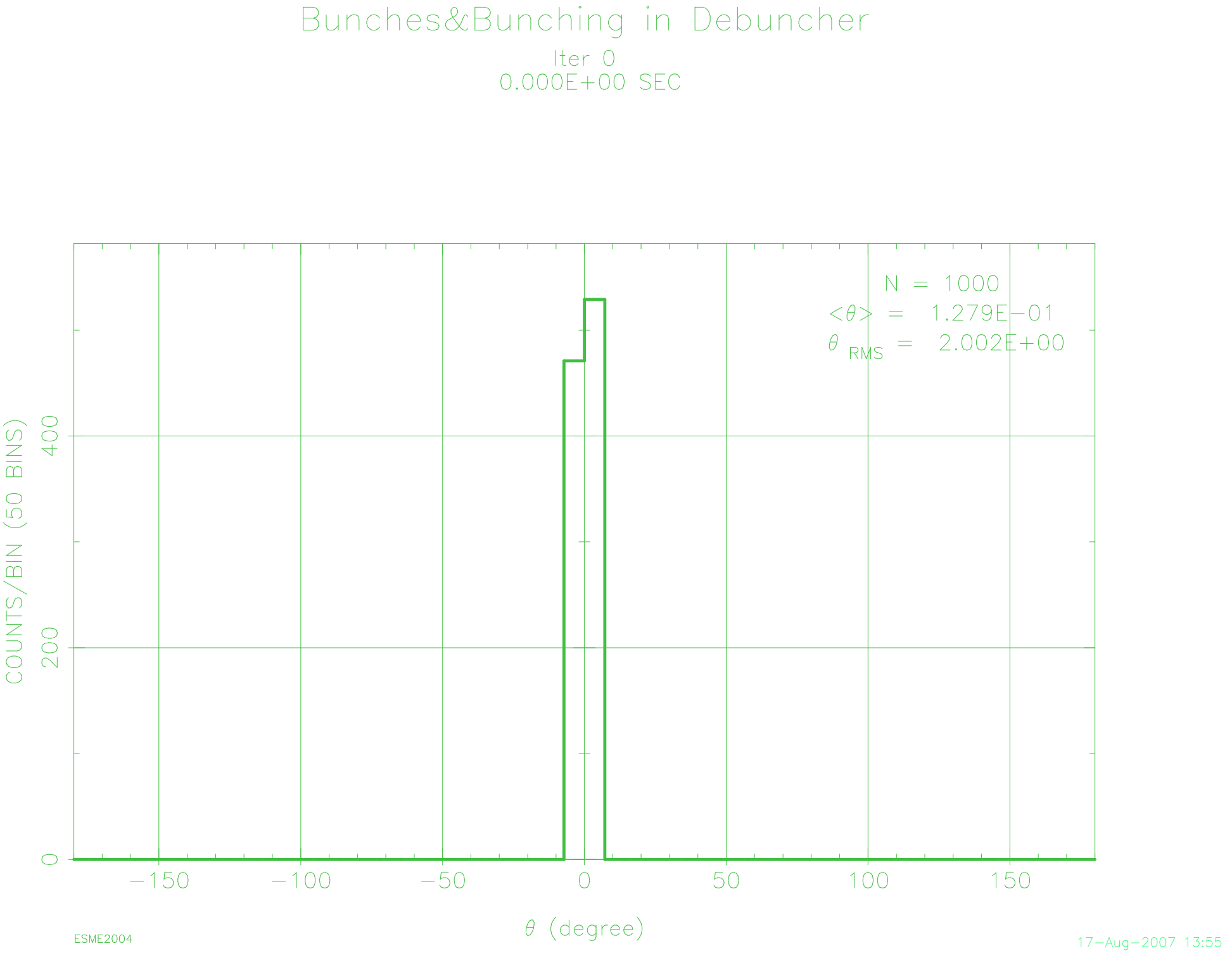
Iter 0 0.000E+00 sec

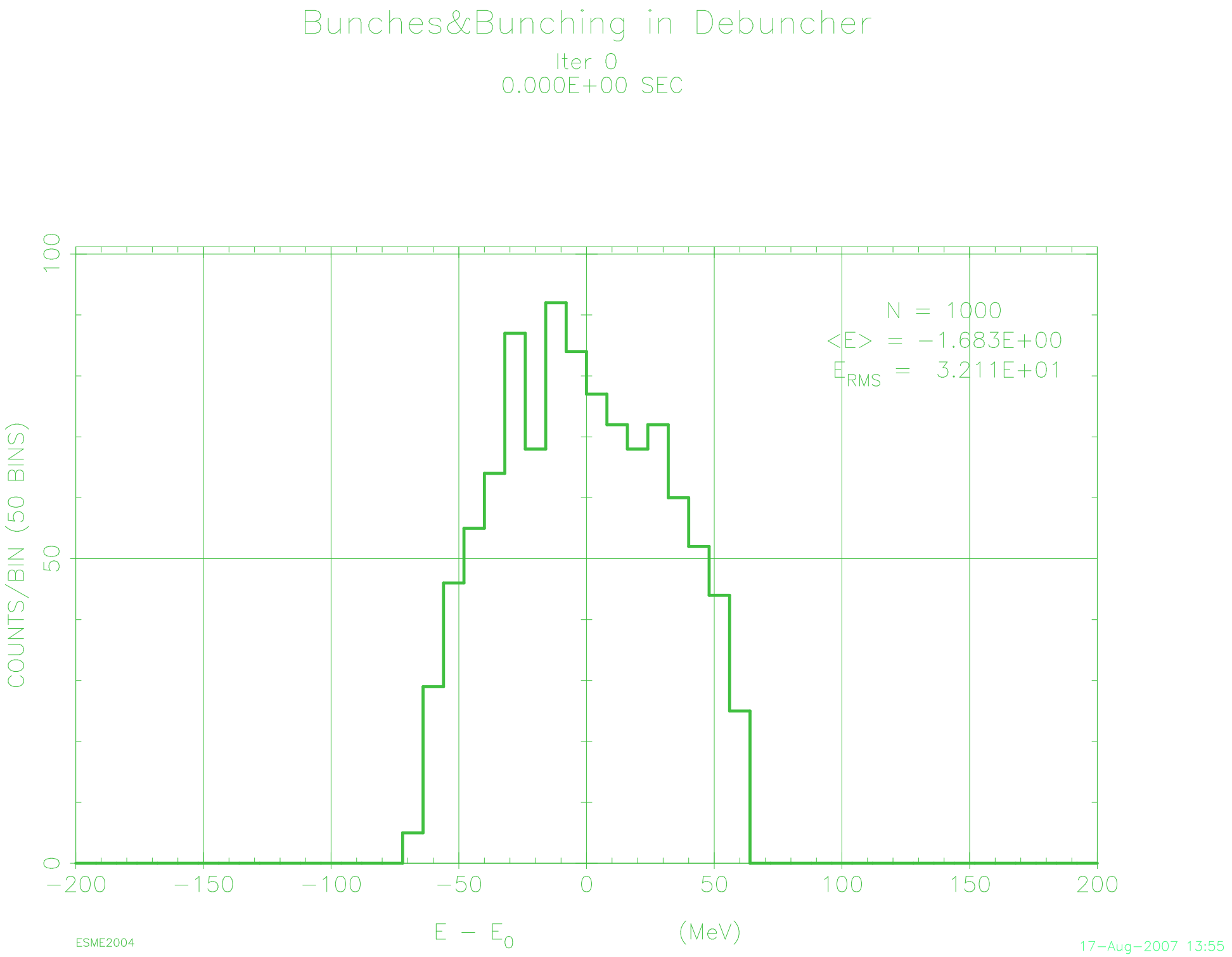
H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.6391E+02	2.7637E+01	8.9383E+03	12	3.600E−01	−1.800E+02
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
6.9966E−04	0.0000E+00	6.2938E−03			
τ (s)	S_b (eV s)	N			
1.5906E−06	8.9226E−01	1000			



ESME2004

17−Aug−2007 13:55

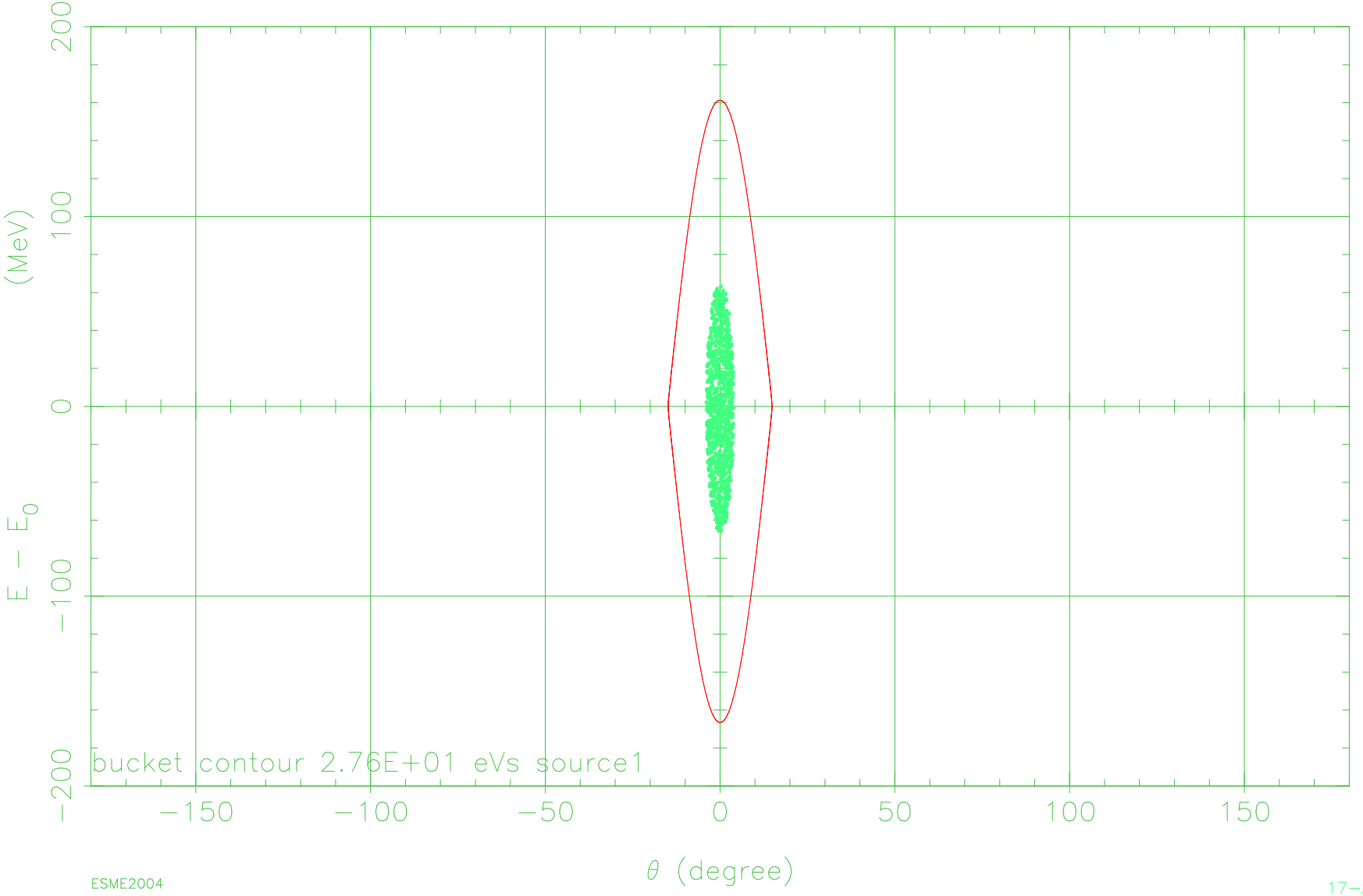

Bunches&Bunching in Debuncher
Iter 0
0.000E+00 SEC
N = 1000
<θ> = 1.279E−01
θ RMS = 2.002E+00
COUNTS/BIN (50 BINS)
0
200
400
−150
−100
−50
0
50
100
150
θ (degree)
ESME2004
17−Aug−2007 13:55


Bunches&Bunching in Debuncher
Iter 0
0.000E+00 SEC
N = 1000
<E> = −1.683E+00
E_RMS = 3.211E+01
COUNTS/BIN (50 BINS)
100
50
0
−200
−150
−100
−50
0
50
100
150
200
E − E0
(MeV)
ESME2004
17−Aug−2007 13:55

Bunches&Bunching in Debuncher

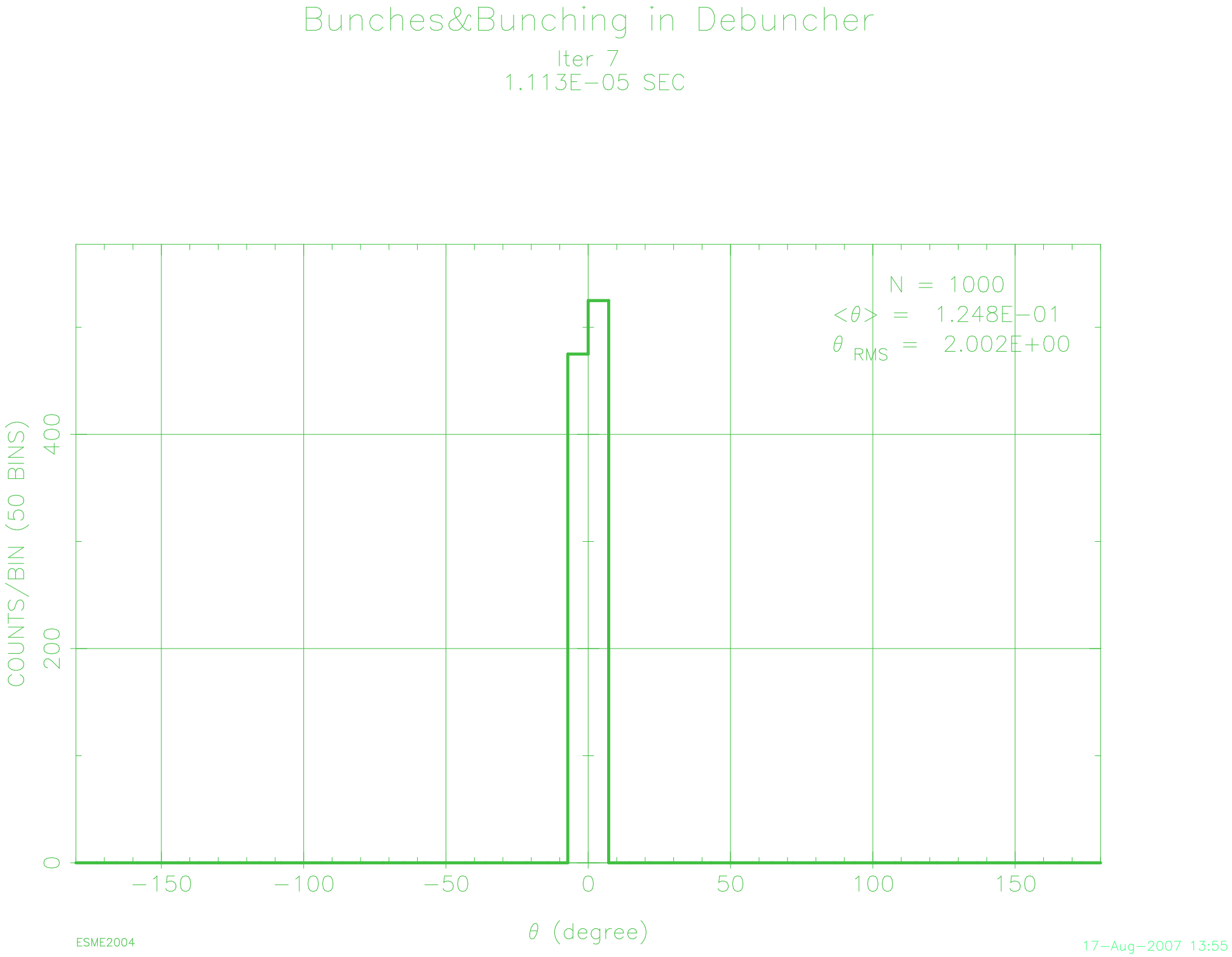
Iter 0 0.000E+00 sec

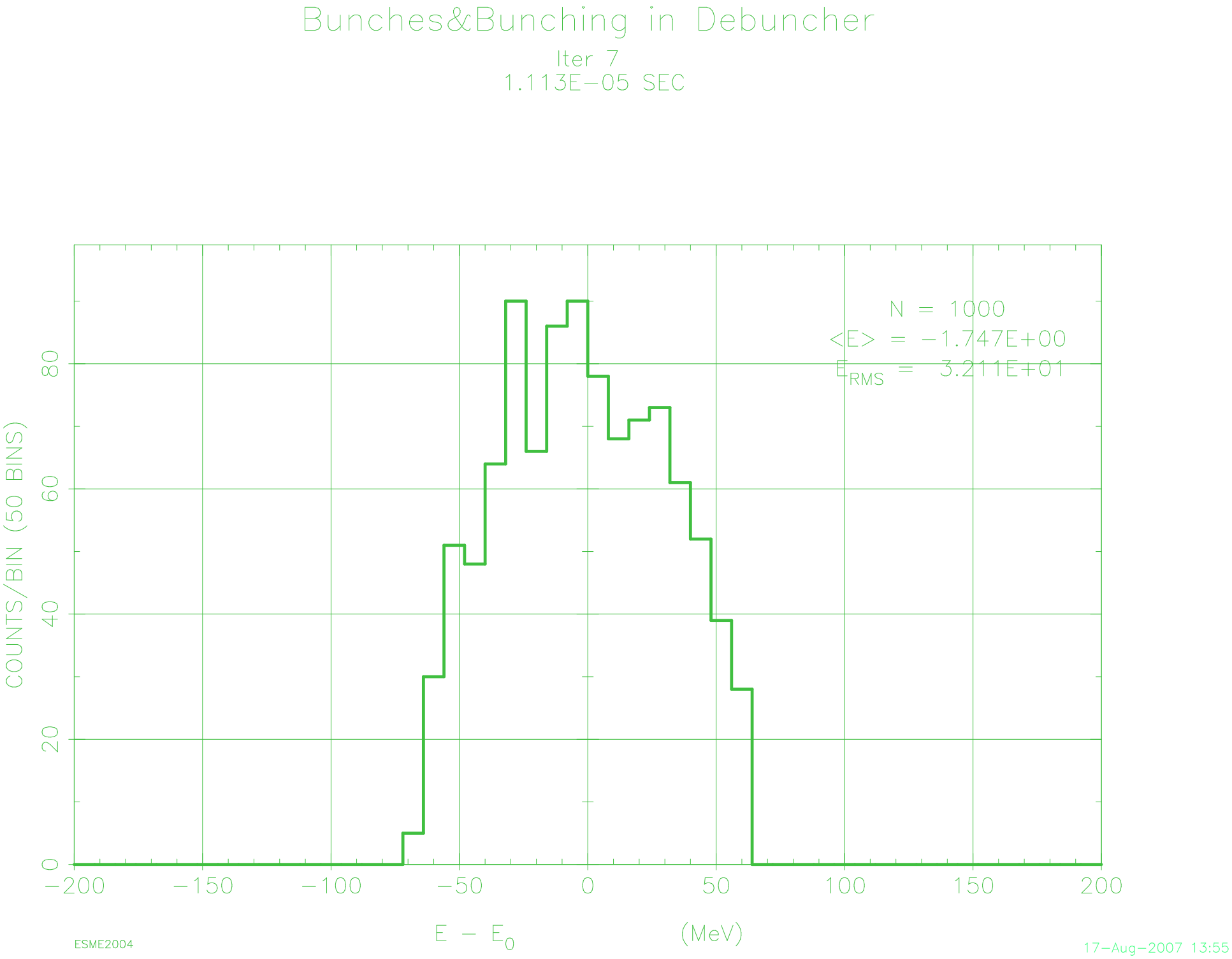
H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.6391E+02	2.7637E+01	8.9383E+03	12	3.600E−01	−1.800E+02
ν_S ($turn^{-1}$)	pdot (MeV s^{-1})	η			
6.9966E−04	0.0000E+00	6.2938E−03			
τ (s)	S_b (eV s)	N			
1.5906E−06	8.9226E−01	1000			



ESME2004

17−Aug−2007 13:55

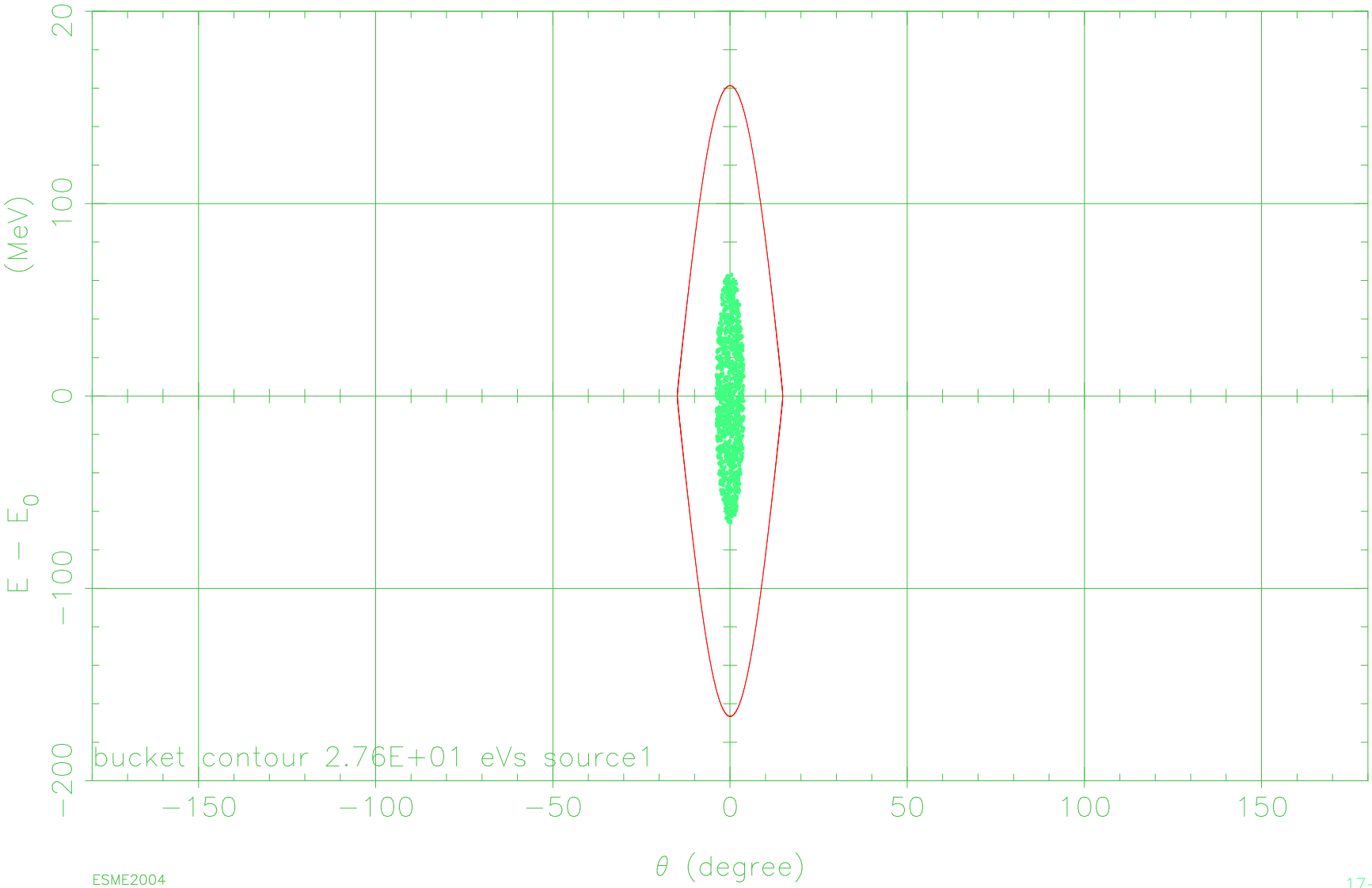

Bunches&Bunching in Debuncher
Iter 7
1.113E−05 SEC
N = 1000
<θ> = 1.248E−01
θ RMS = 2.002E+00
COUNTS/BIN (50 BINS)
0
200
400
−150
−100
−50
0
50
100
150
θ (degree)
ESME2004
17−Aug−2007 13:55


Bunches&Bunching in Debuncher
Iter 7
1.113E−05 SEC
N = 1000
<E> = −1.747E+00
E_RMS = 3.211E+01
COUNTS/BIN (50 BINS)
0
20
40
60
80
−200
−150
−100
−50
0
50
100
150
200
E − E0
(MeV)
ESME2004
17−Aug−2007 13:55

Bunches&Bunching in Debuncher

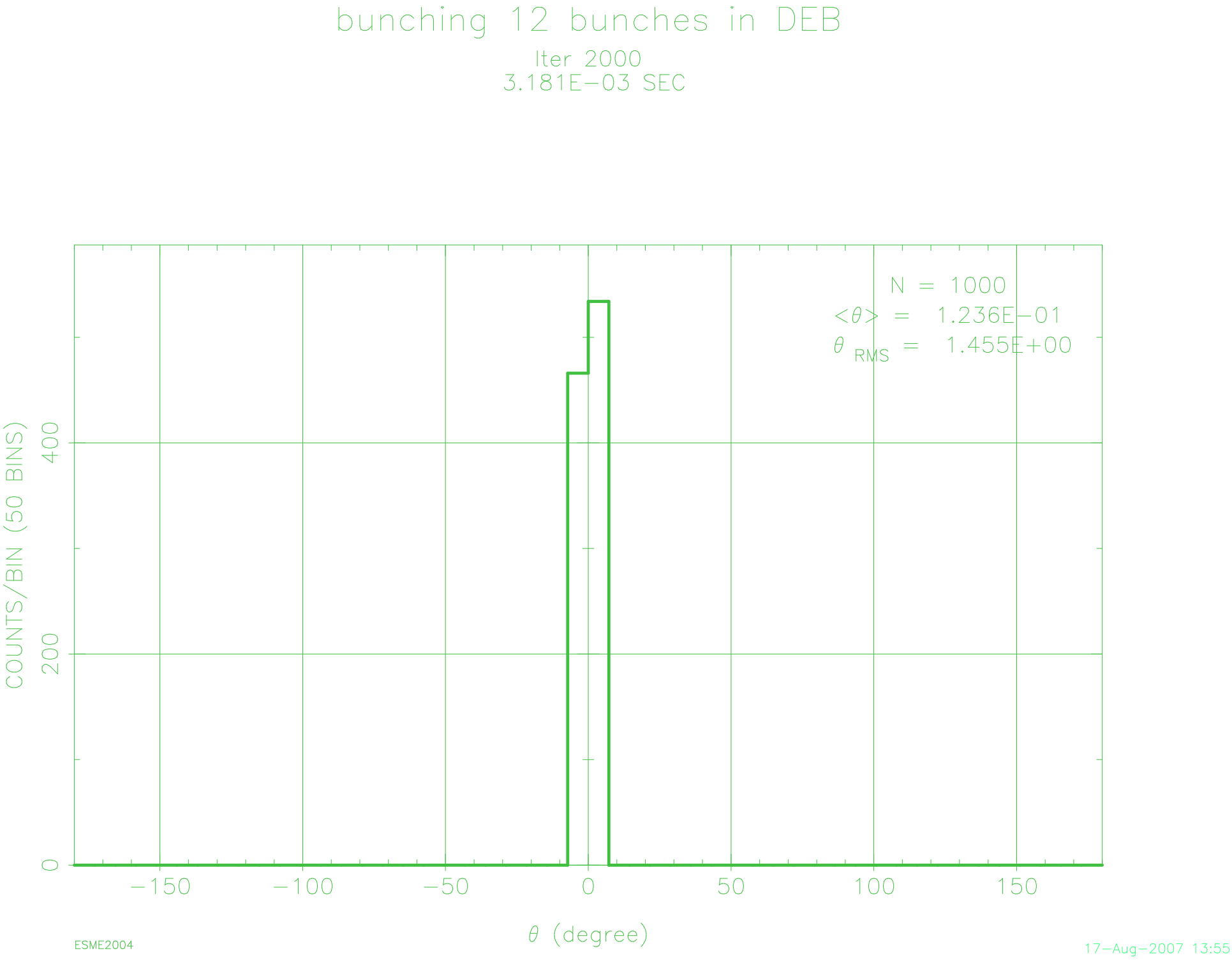
Iter 7 1.113E−05 sec

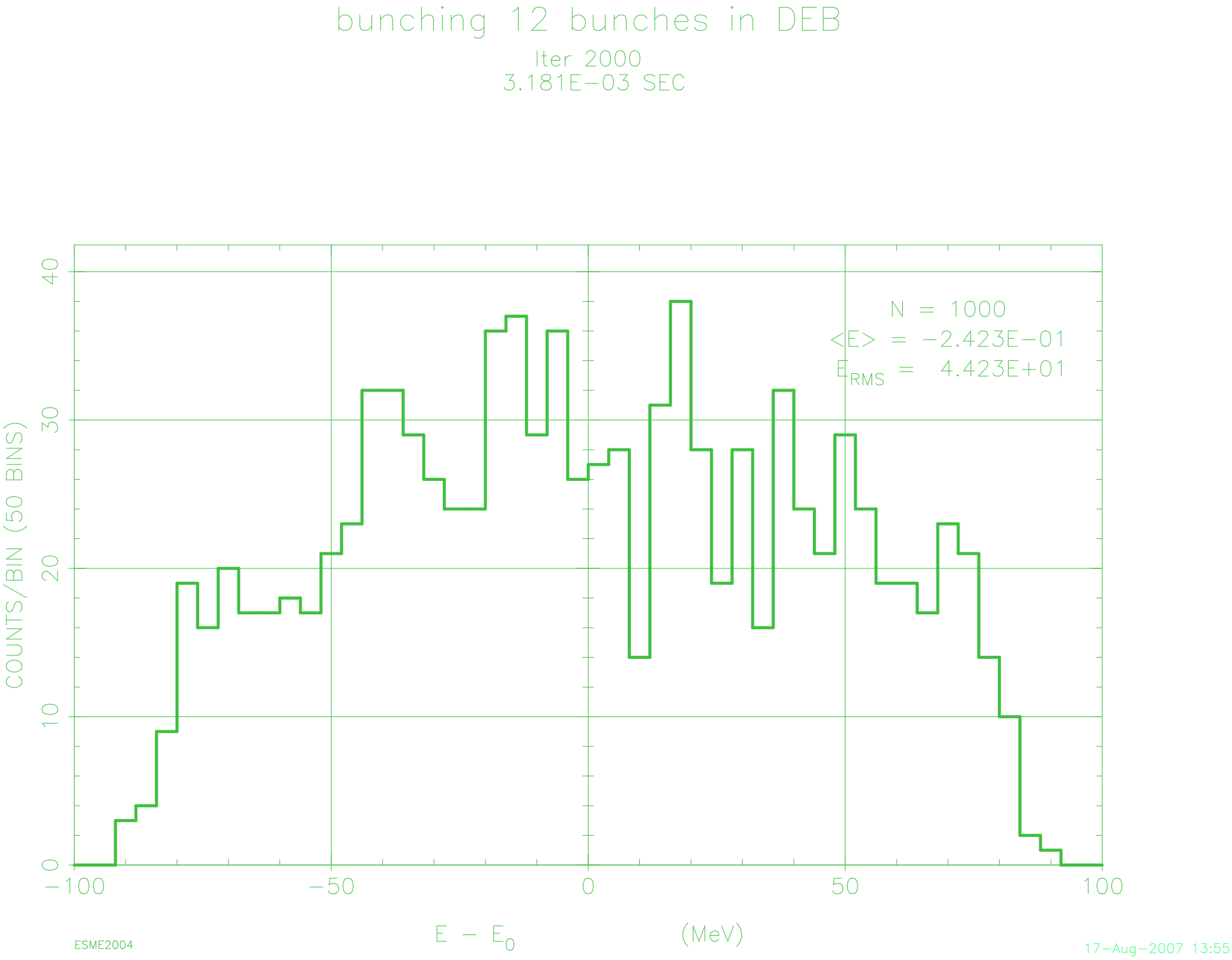
H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.6391E+02	2.7637E+01	8.9383E+03	12	3.600E−01	−1.800E+02
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
6.9966E−04	−2.7871E−11	6.2938E−03			
τ (s)	S_b (eV s)	N			
1.5906E−06	8.9227E−01	1000			

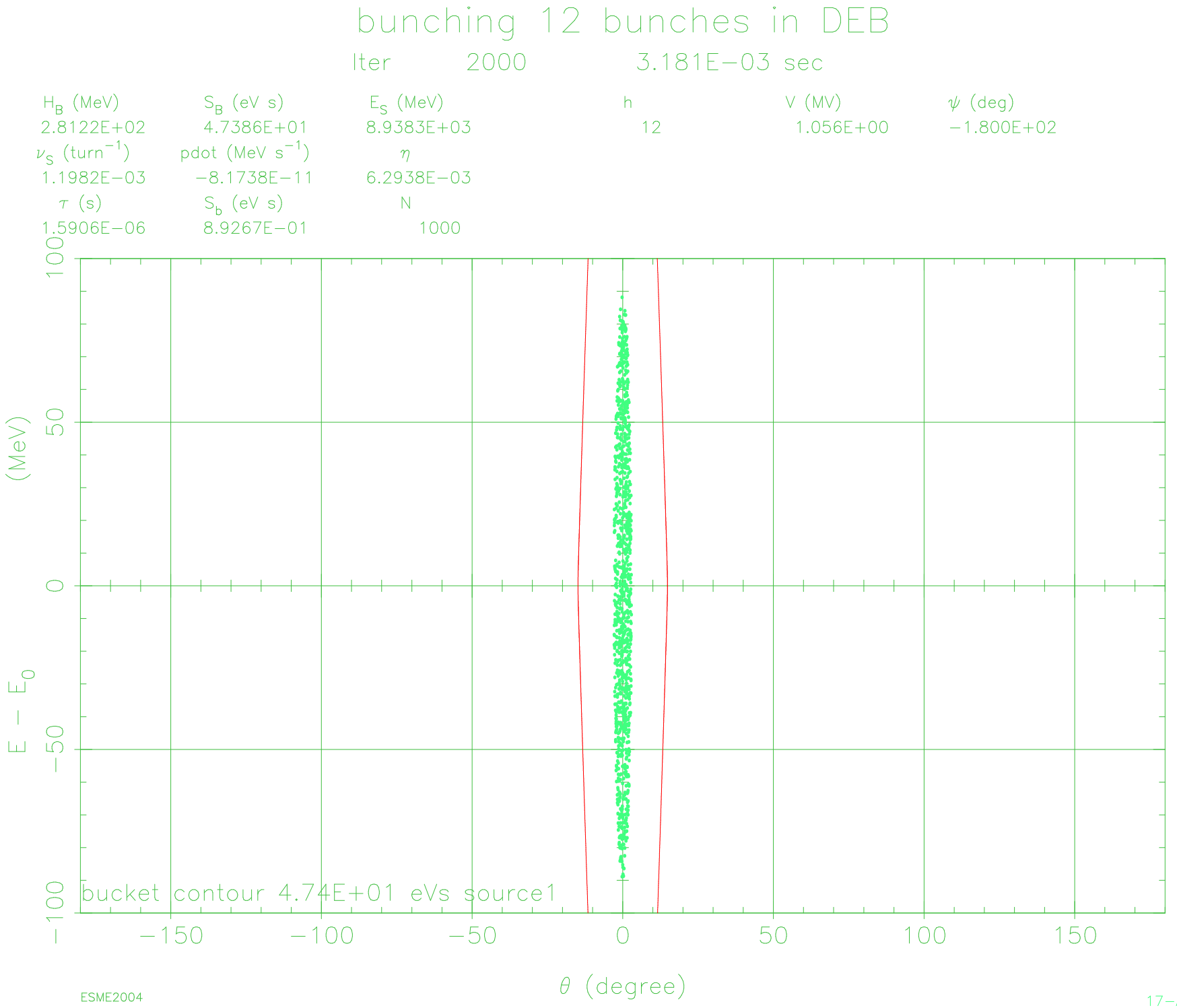


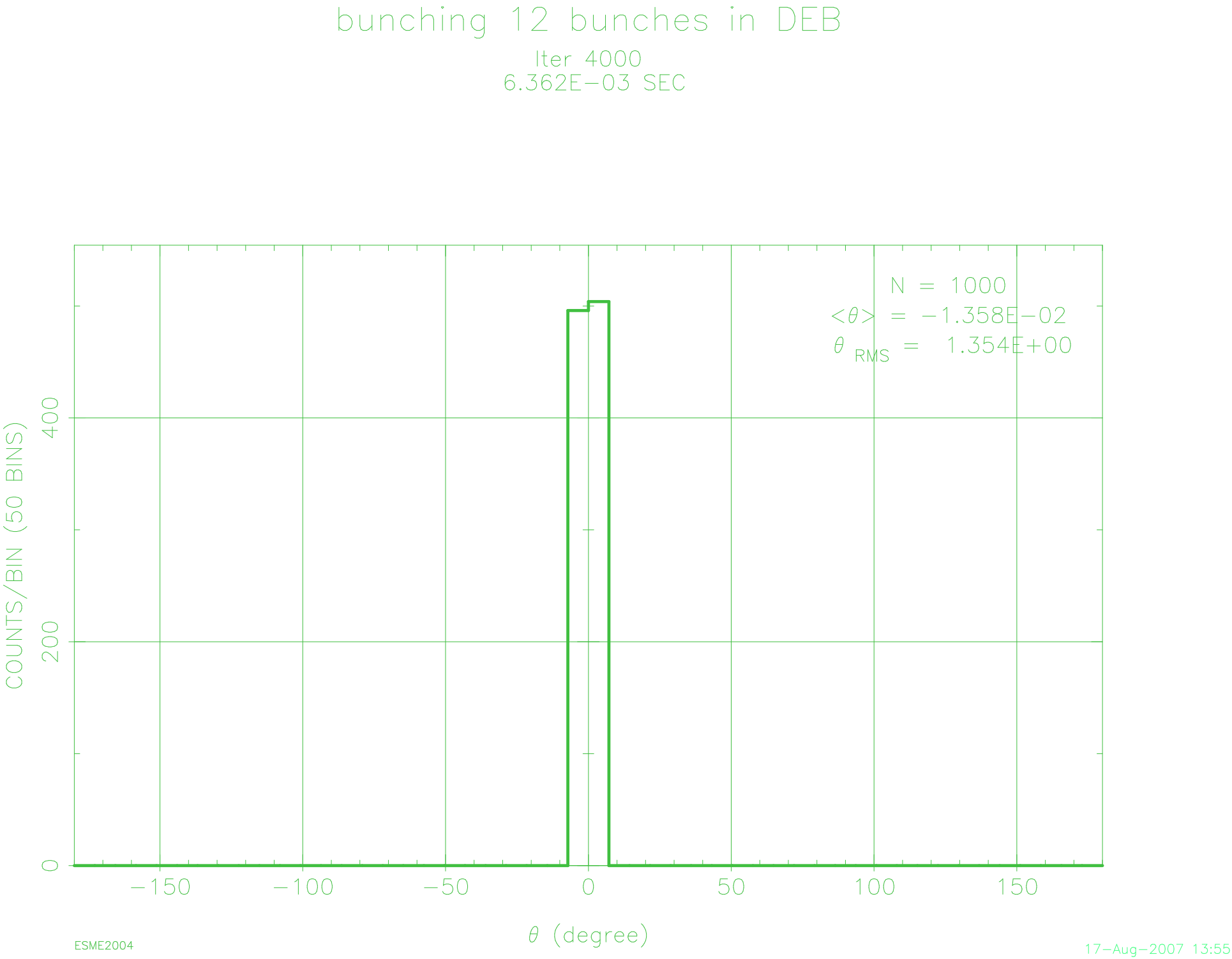
ESME2004

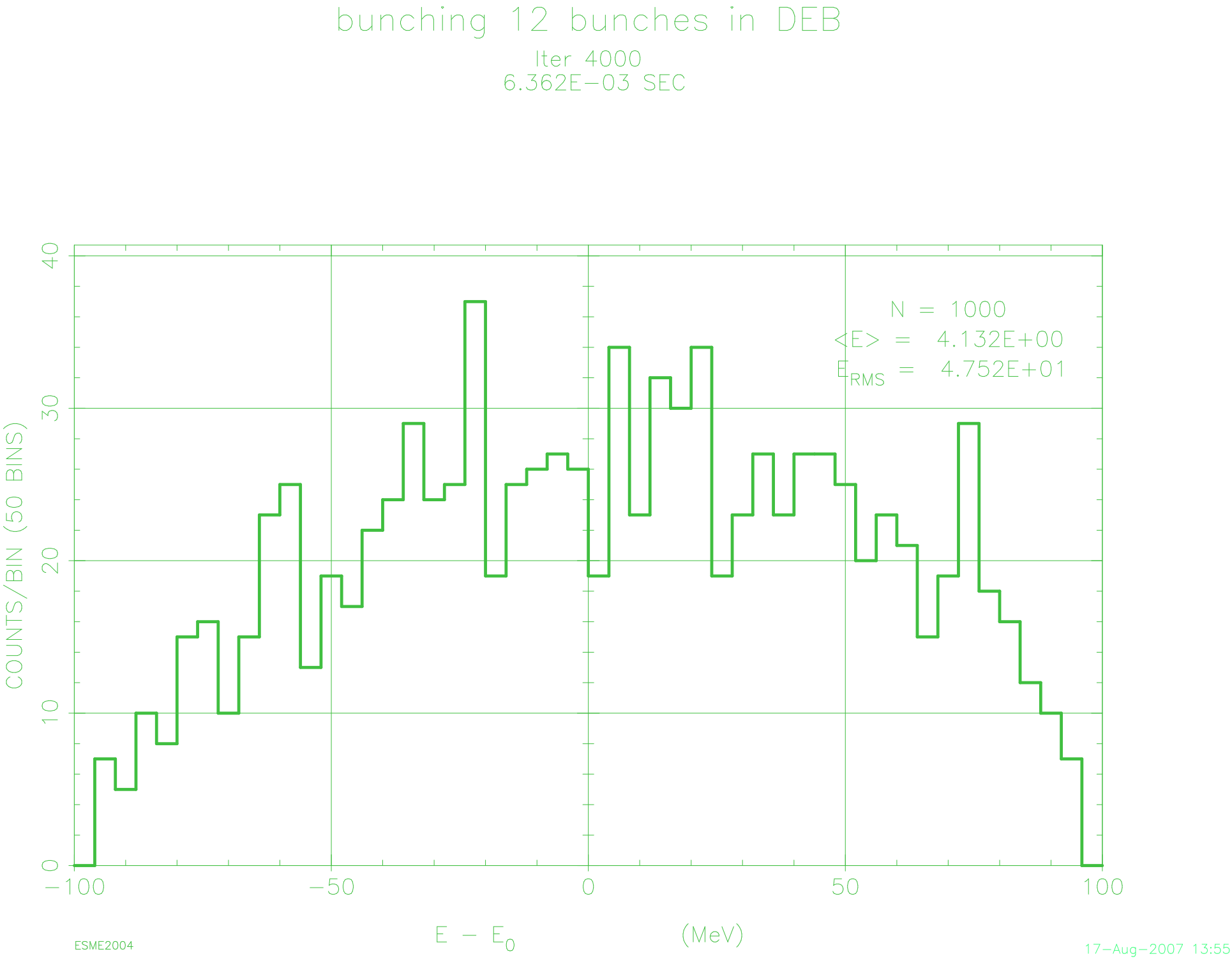
17−Aug−2007 13:55

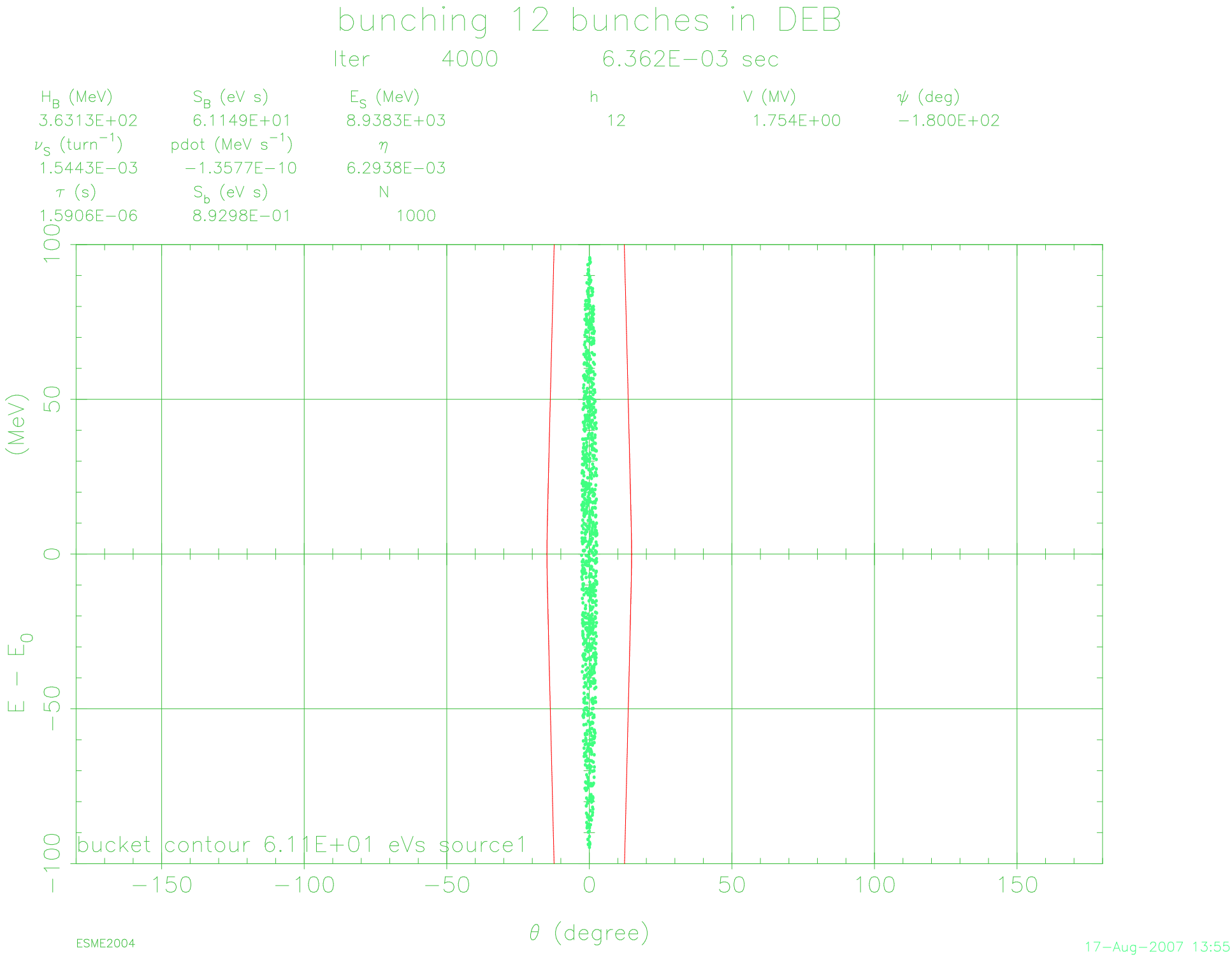

bunching 12 bunches in DEB
Iter 2000
3.181E−03 SEC
N = 1000
<θ> = 1.236E−01
θ RMS = 1.455E+00
COUNTS/BIN (50 BINS)
0
200
400
−150
−100
−50
0
50
100
150
θ (degree)
ESME2004
17−Aug−2007 13:55

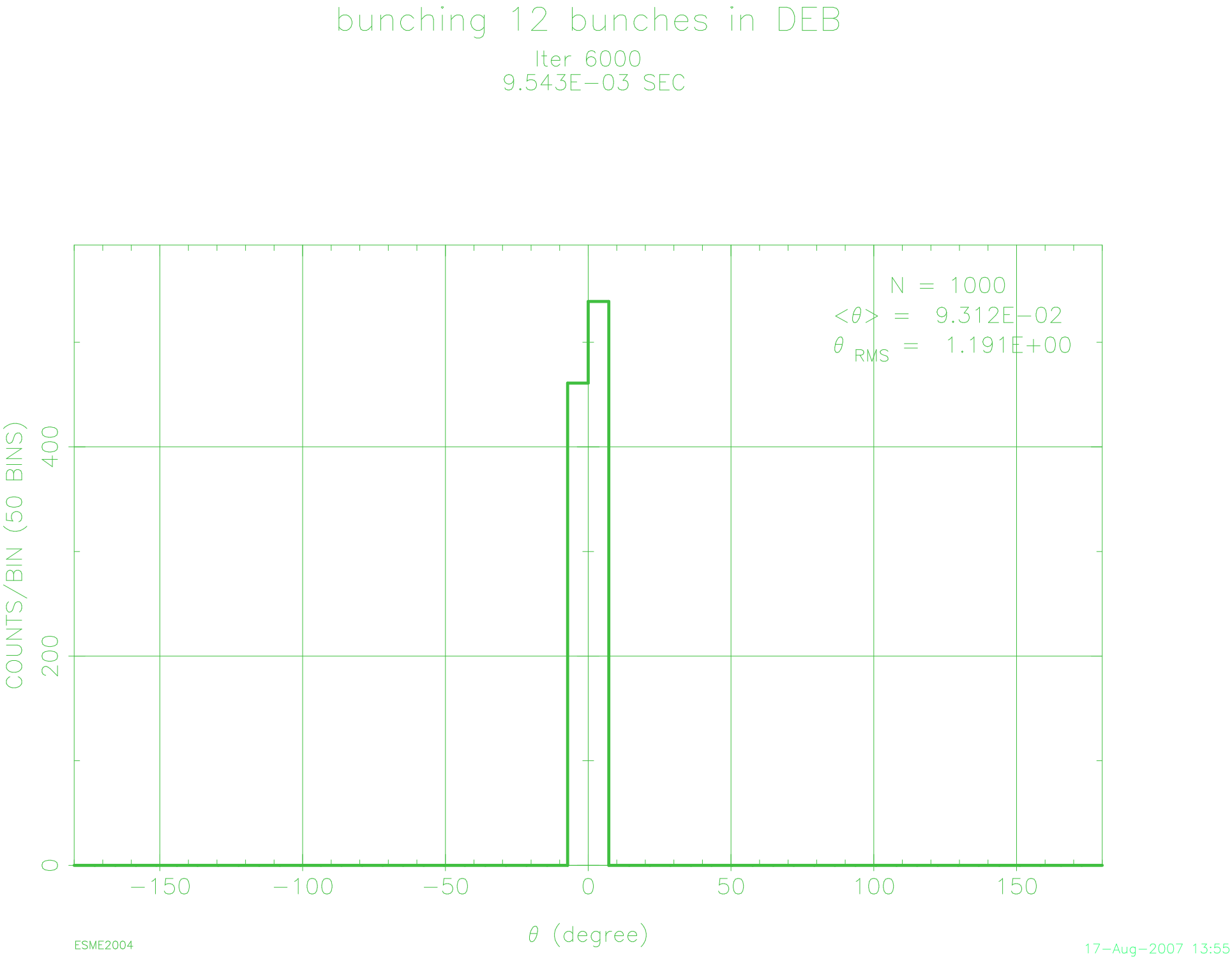

bunching 12 bunches in DEB
Iter 2000
3.181E−03 SEC
N = 1000
<E> = −2.423E−01
E_RMS = 4.423E+01
COUNTS/BIN (50 BINS)
0
10
20
30
40
−100
−50
0
50
100
E − E_0
(MeV)
ESME2004
17−Aug−2007 13:55

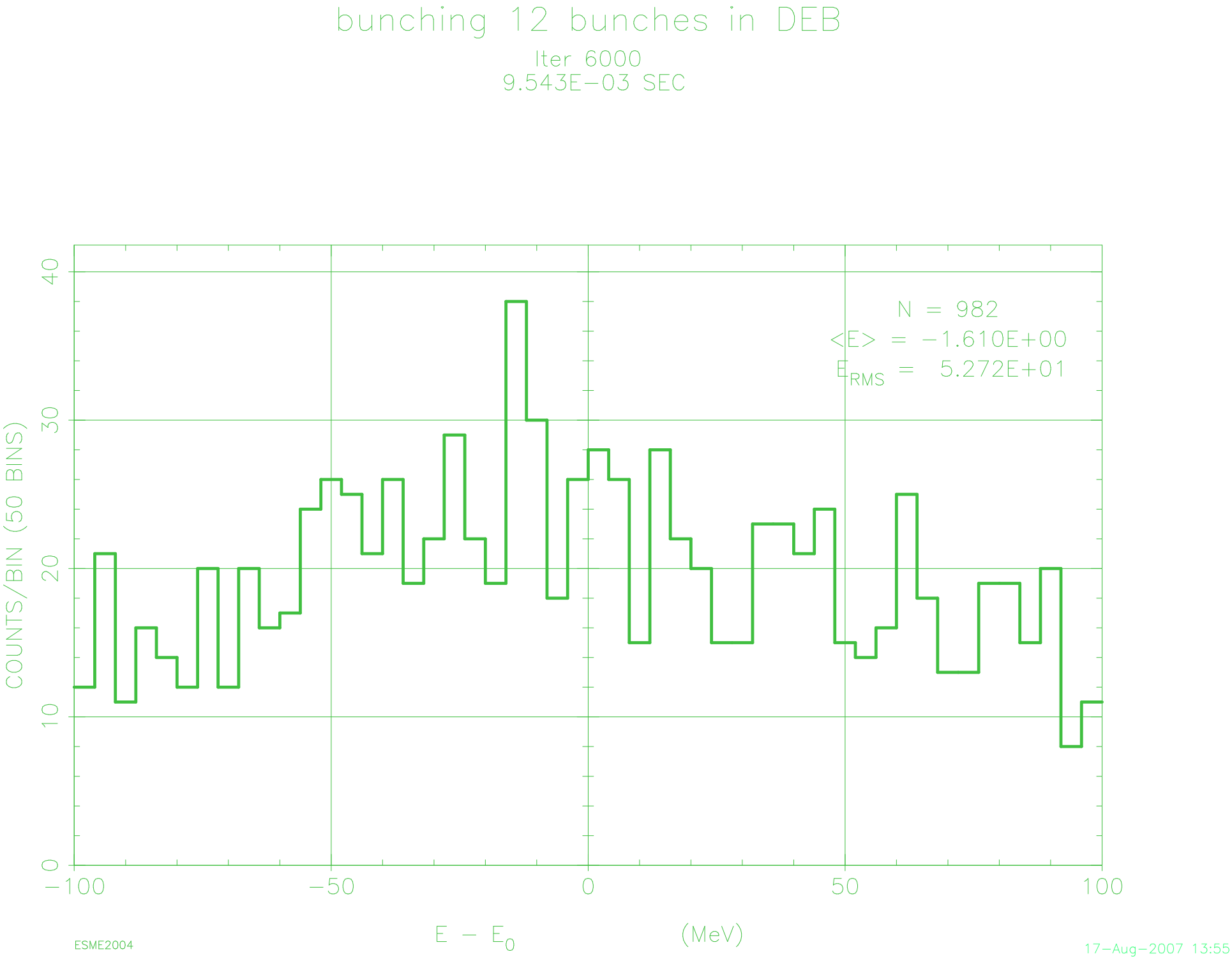

bunching 12 bunches in DEB
Iter 2000 3.181E−03 sec
H_B (MeV) 2.8122E+02
S_B (eV s) 4.7386E+01
E_S (MeV) 8.9383E+03
h 12
V (MV) 1.056E+00
ψ (deg) −1.800E+02
ν_S (turn^−1) 1.1982E−03
pdot (MeV s^−1) −8.1738E−11
η 6.2938E−03
τ (s) 1.5906E−06
S_b (eV s) 8.9267E−01
N 1000
bucket contour 4.74E+01 eVs source1
E − E_0 (MeV)
θ (degree)
100
50
0
−50
−100
−150
−100
−50
0
50
100
150
ESME2004
17−Aug−2007 13:55

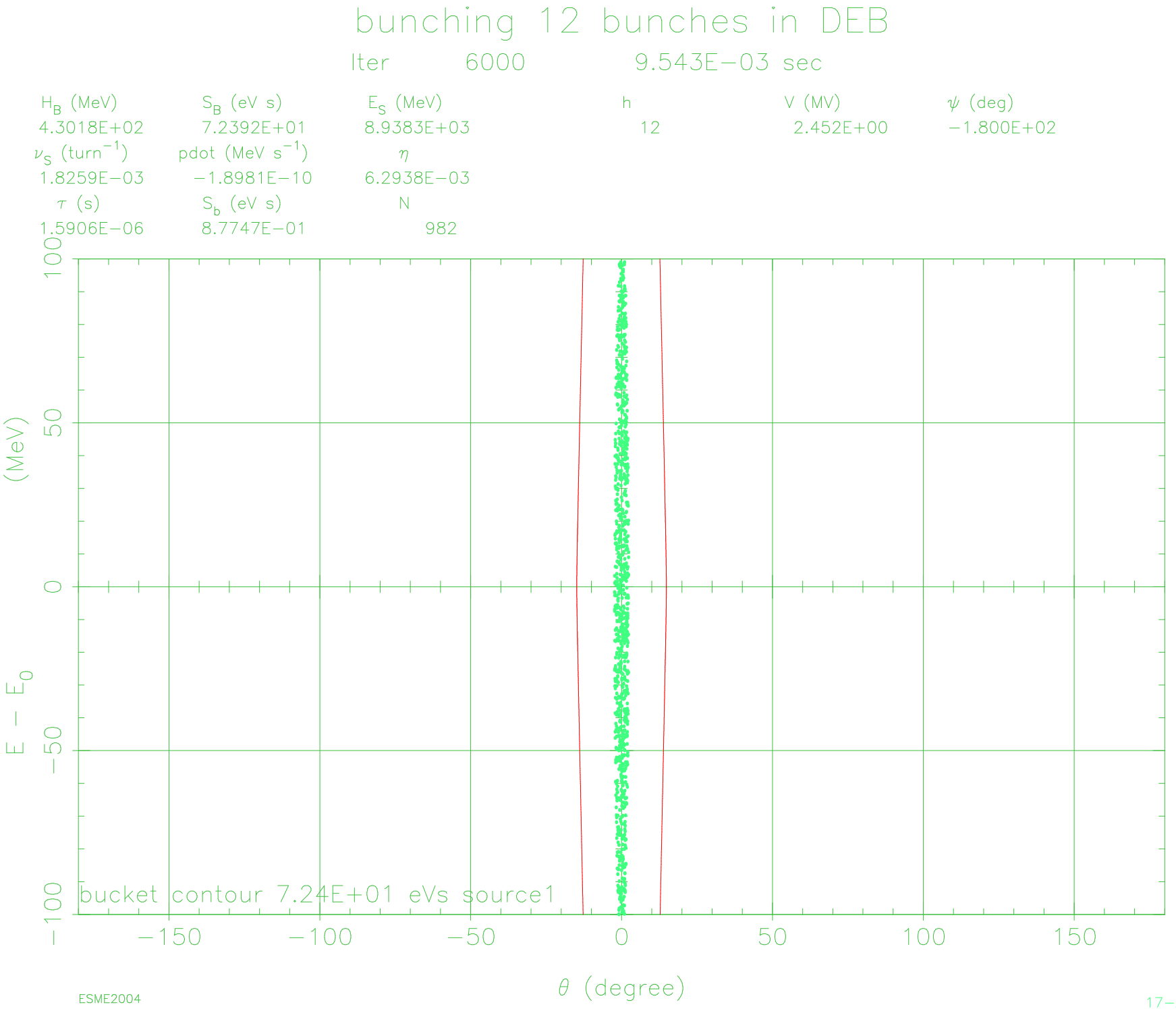

bunching 12 bunches in DEB
Iter 4000
6.362E−03 SEC
N = 1000
<θ> = −1.358E−02
θ RMS = 1.354E+00
COUNTS/BIN (50 BINS)
0
200
400
−150
−100
−50
0
50
100
150
θ (degree)
ESME2004
17−Aug−2007 13:55

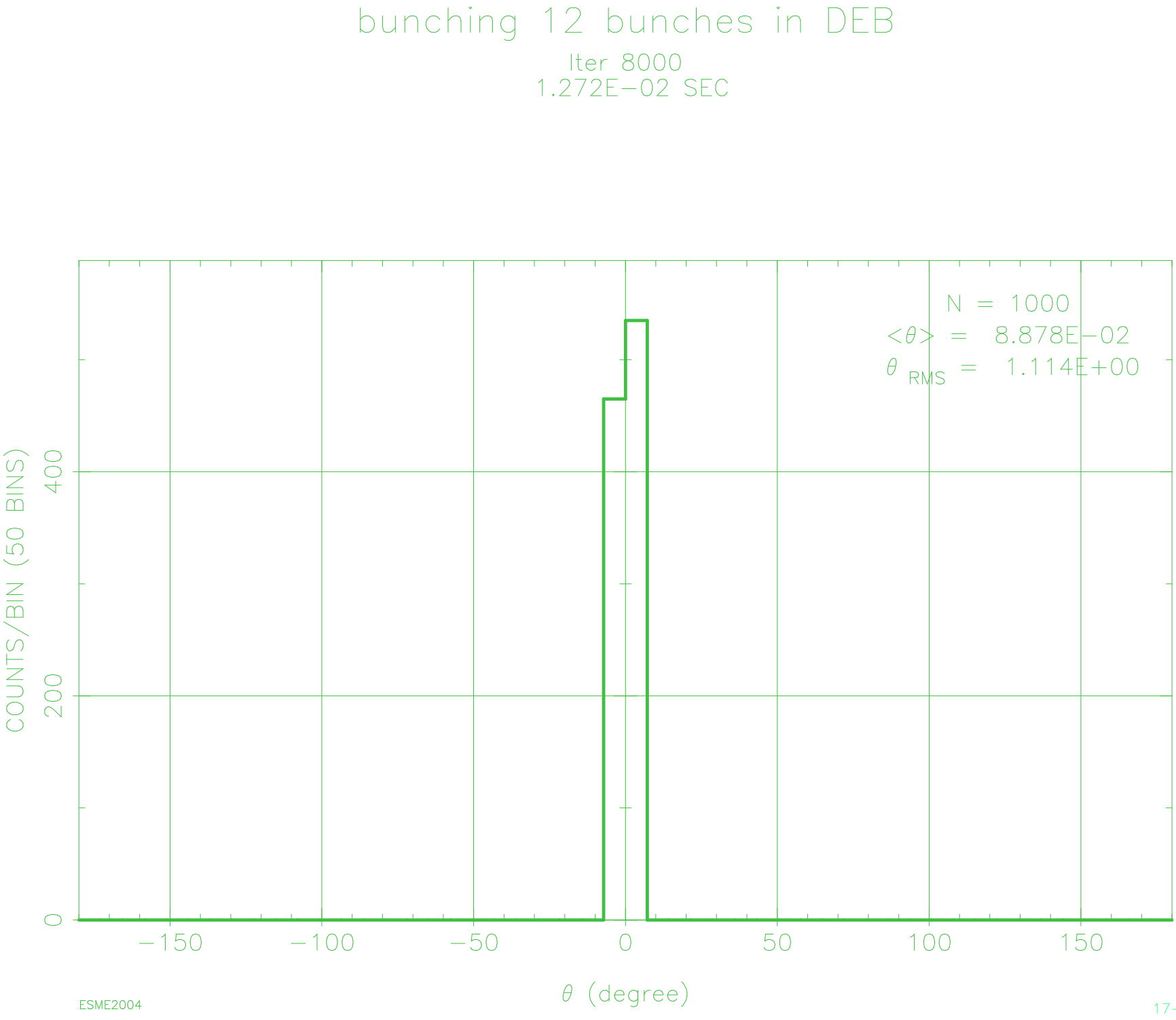

bunching 12 bunches in DEB
Iter 4000
6.362E−03 SEC
N = 1000
<E> = 4.132E+00
E_RMS = 4.752E+01
COUNTS/BIN (50 BINS)
0
10
20
30
40
−100
−50
0
50
100
E − E_0
(MeV)
ESME2004
17−Aug−2007 13:55

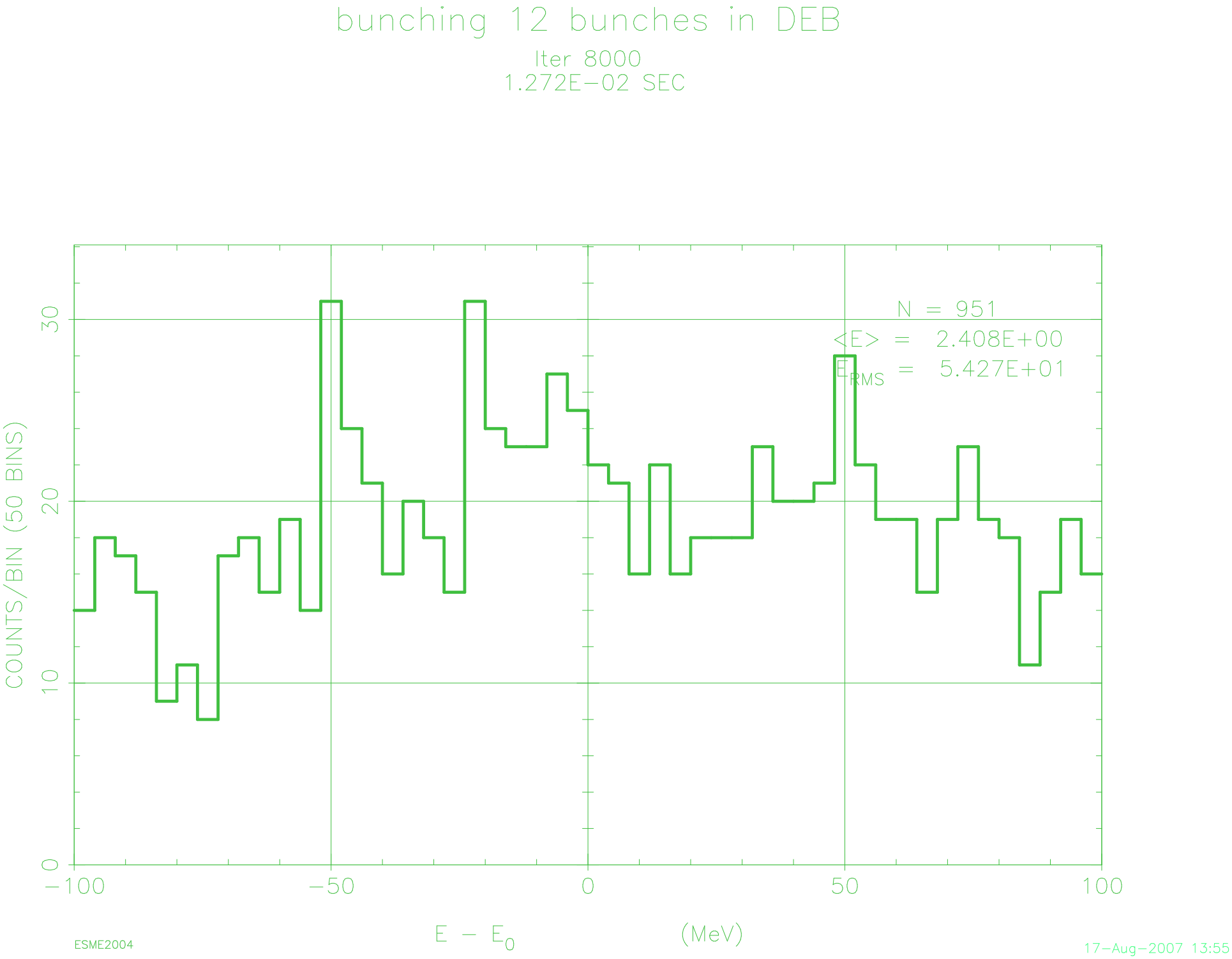

bunching 12 bunches in DEB
Iter 4000 6.362E−03 sec
H_B (MeV) 3.6313E+02
S_B (eV s) 6.1149E+01
E_S (MeV) 8.9383E+03
h 12
V (MV) 1.754E+00
ψ (deg) −1.800E+02
ν_S (turn^−1) 1.5443E−03
pdot (MeV s^−1) −1.3577E−10
η 6.2938E−03
τ (s) 1.5906E−06
S_b (eV s) 8.9298E−01
N 1000
E − E_0 (MeV)
100
50
0
−50
−100
bucket contour 6.11E+01 eVs source1
−150
−100
−50
0
50
100
150
θ (degree)
ESME2004
17−Aug−2007 13:55


bunching 12 bunches in DEB
Iter 6000
9.543E−03 SEC
N = 1000
<θ> = 9.312E−02
θ RMS = 1.191E+00
COUNTS/BIN (50 BINS)
0
200
400
−150
−100
−50
0
50
100
150
θ (degree)
ESME2004
17−Aug−2007 13:55


bunching 12 bunches in DEB
Iter 6000
9.543E−03 SEC
N = 982
<E> = −1.610E+00
E_RMS = 5.272E+01
COUNTS/BIN (50 BINS)
0
10
20
30
40
−100
−50
0
50
100
E − E_0
(MeV)
ESME2004
17−Aug−2007 13:55


bunching 12 bunches in DEB
Iter 6000 9.543E−03 sec
H_B (MeV) 4.3018E+02
S_B (eV s) 7.2392E+01
E_S (MeV) 8.9383E+03
h 12
V (MV) 2.452E+00
ψ (deg) −1.800E+02
ν_S (turn^−1) 1.8259E−03
pdot (MeV s^−1) −1.8981E−10
η 6.2938E−03
τ (s) 1.5906E−06
S_b (eV s) 8.7747E−01
N 982
bucket contour 7.24E+01 eVs source1
E − E_0 (MeV)
θ (degree)
100
50
0
−50
−100
−150
−100
−50
0
50
100
150
ESME2004
17−Aug−2007 13:55

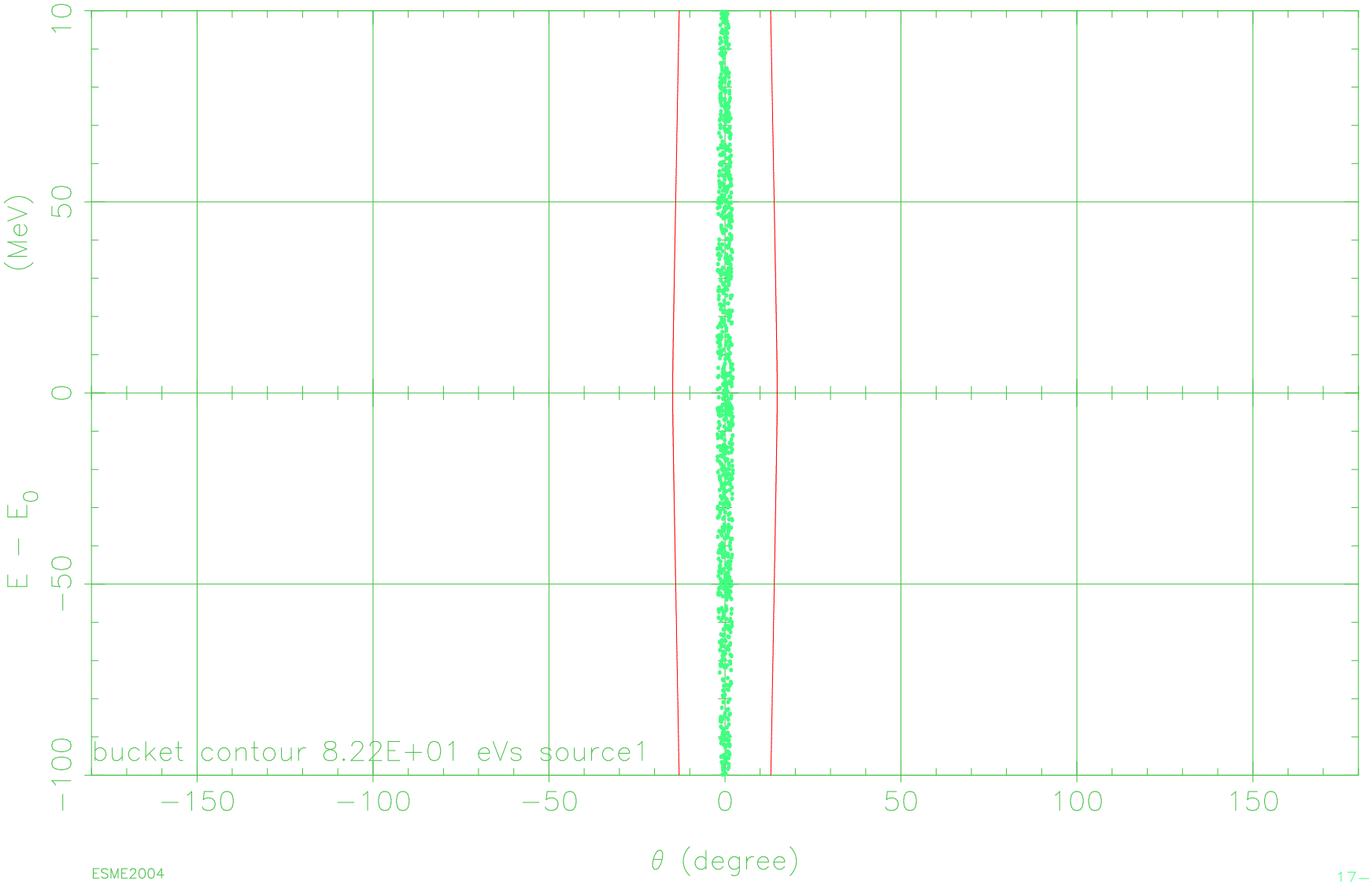

bunching 12 bunches in DEB
Iter 8000
1.272E−02 SEC
N = 1000
<θ> = 8.878E−02
θ RMS = 1.114E+00
COUNTS/BIN (50 BINS)
0
200
400
−150
−100
−50
0
50
100
150
θ (degree)
ESME2004
17−Aug−2007 13:55


bunching 12 bunches in DEB
Iter 8000
1.272E−02 SEC
N = 951
<E> = 2.408E+00
E_RMS = 5.427E+01
COUNTS/BIN (50 BINS)
0
10
20
30
−100
−50
0
50
100
E − E0 (MeV)
ESME2004
17−Aug−2007 13:55

bunching 12 bunches in DEB

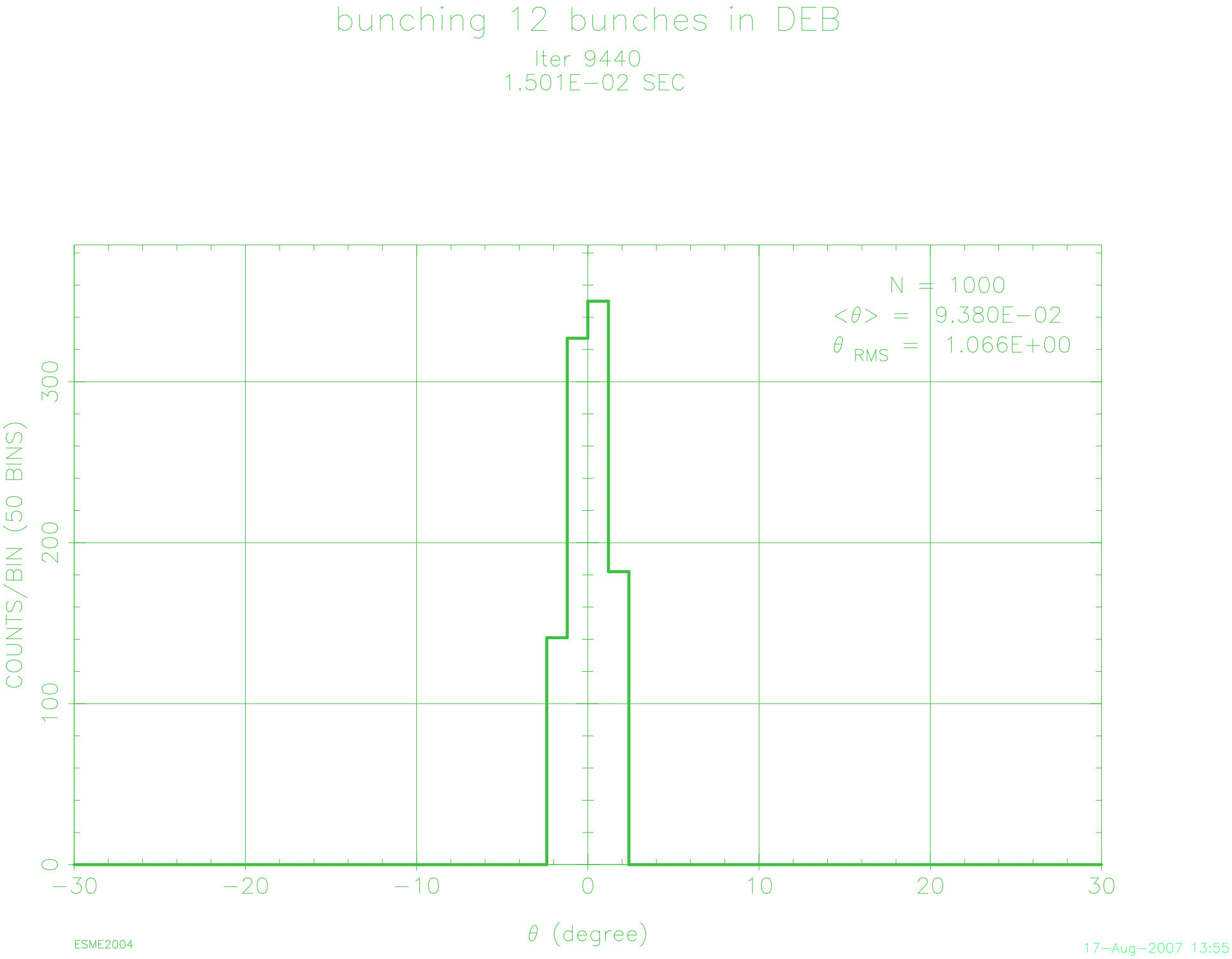
Iter 8000 1.272E−02 sec

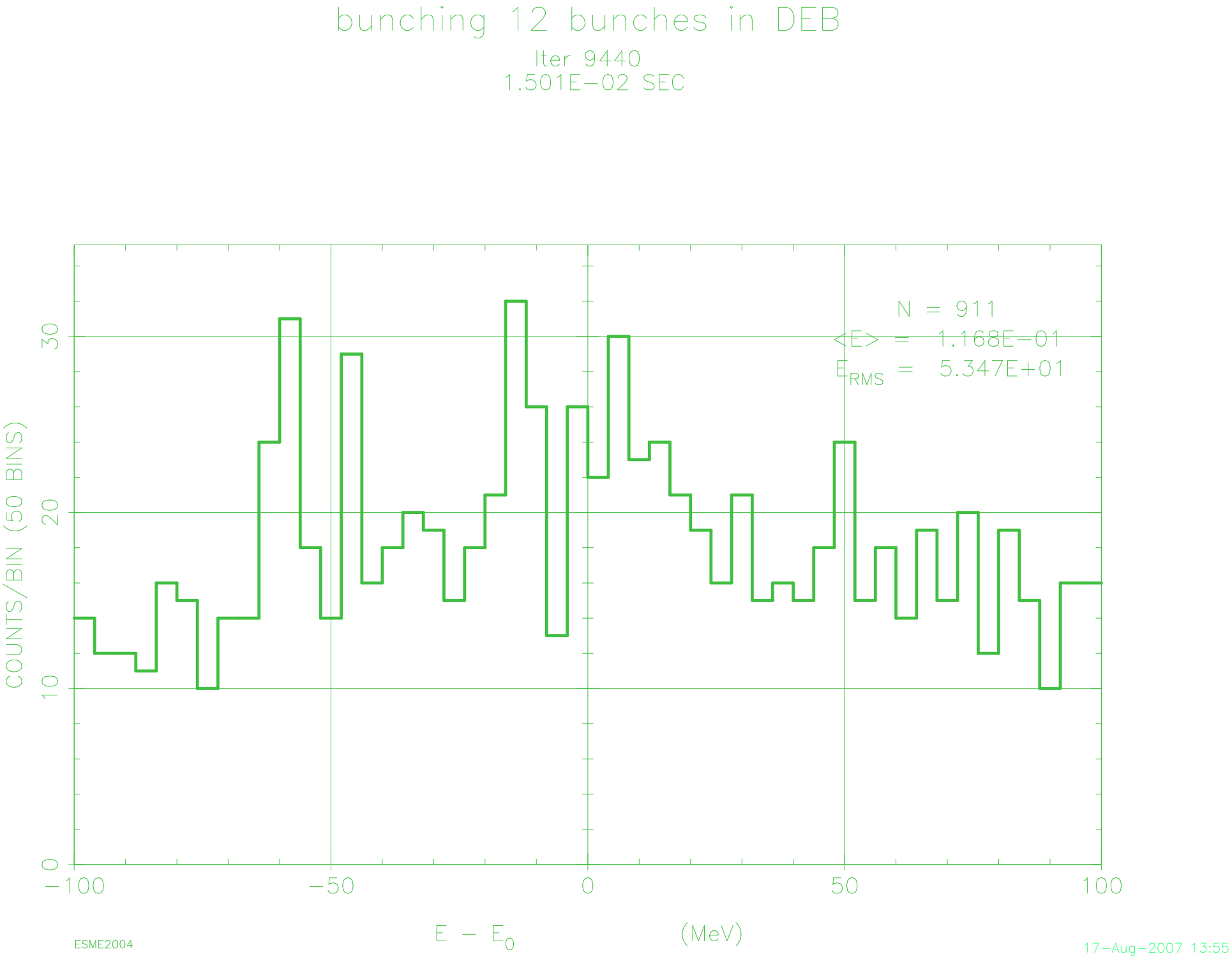
H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
4.8854E+02	8.2157E+01	8.9383E+03	12	3.150E+00	−1.800E+02
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.0695E−03	−2.4385E−10	6.2938E−03			
τ (s)	S_b (eV s)	N			
1.5906E−06	8.5460E−01	951			



ESME2004

17−Aug−2007 13:55

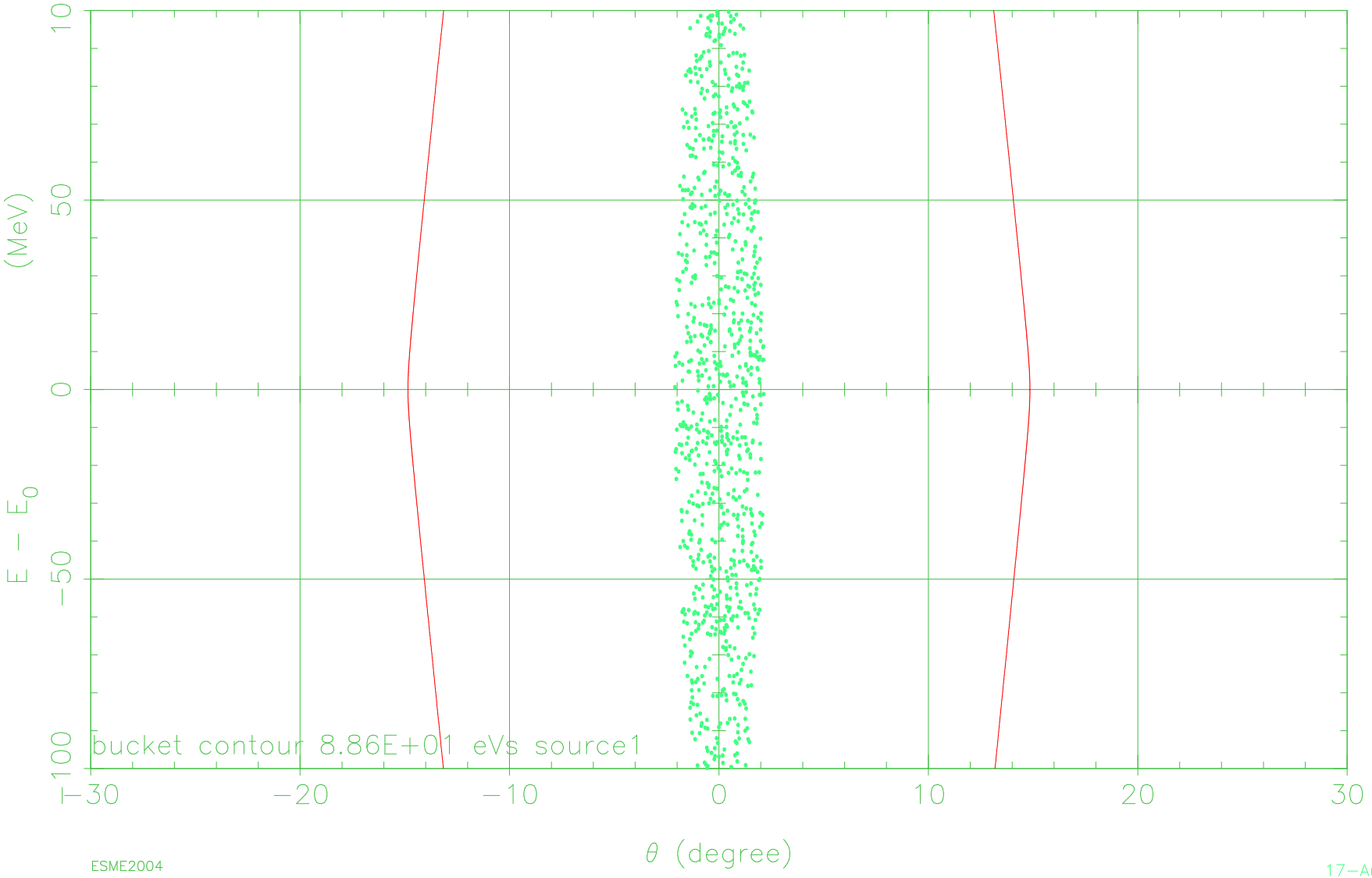

bunching 12 bunches in DEB
Iter 9440
1.501E−02 SEC
N = 1000
<θ> = 9.380E−02
θ RMS = 1.066E+00
COUNTS/BIN (50 BINS)
0
100
200
300
−30
−20
−10
0
10
20
30
θ (degree)
ESME2004
17−Aug−2007 13:55


bunching 12 bunches in DEB
Iter 9440
1.501E−02 SEC
N = 911
<E> = 1.168E−01
E_RMS = 5.347E+01
COUNTS/BIN (50 BINS)
0
10
20
30
−100
−50
0
50
100
E − E_0
(MeV)
ESME2004
17−Aug−2007 13:55

bunching 12 bunches in DEB

Iter 9440 1.501E−02 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
5.2683E+02	8.8552E+01	8.9383E+03	12	3.652E+00	−1.800E+02
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.2285E−03	−2.8275E−10	6.2938E−03			
τ (s)	S_b (eV s)	N			
1.5906E−06	8.2037E−01	911			

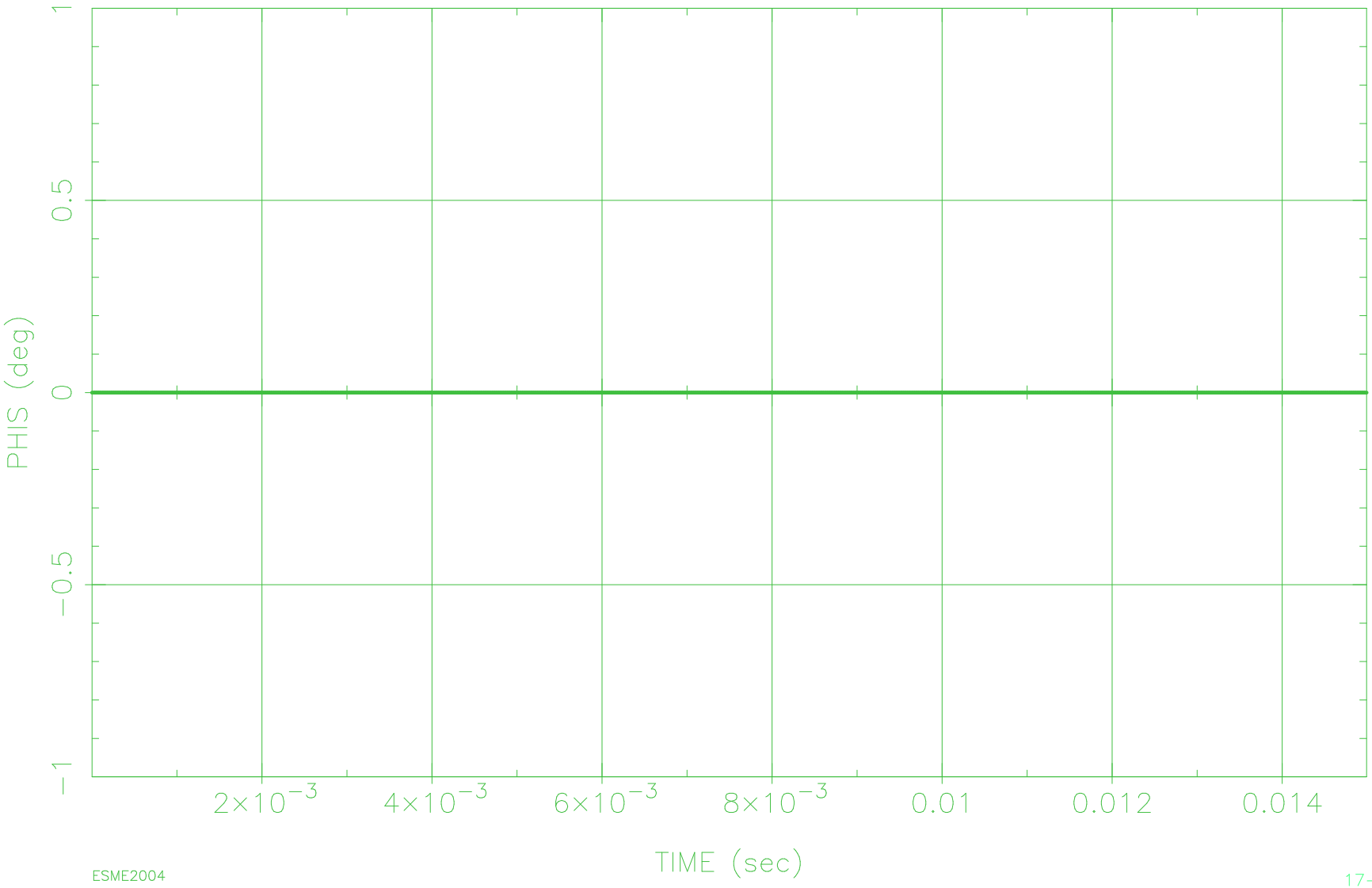


ESME2004

17−Aug−2007 13:55

bunching 12 bunches in DEB

PHIS VS TIME

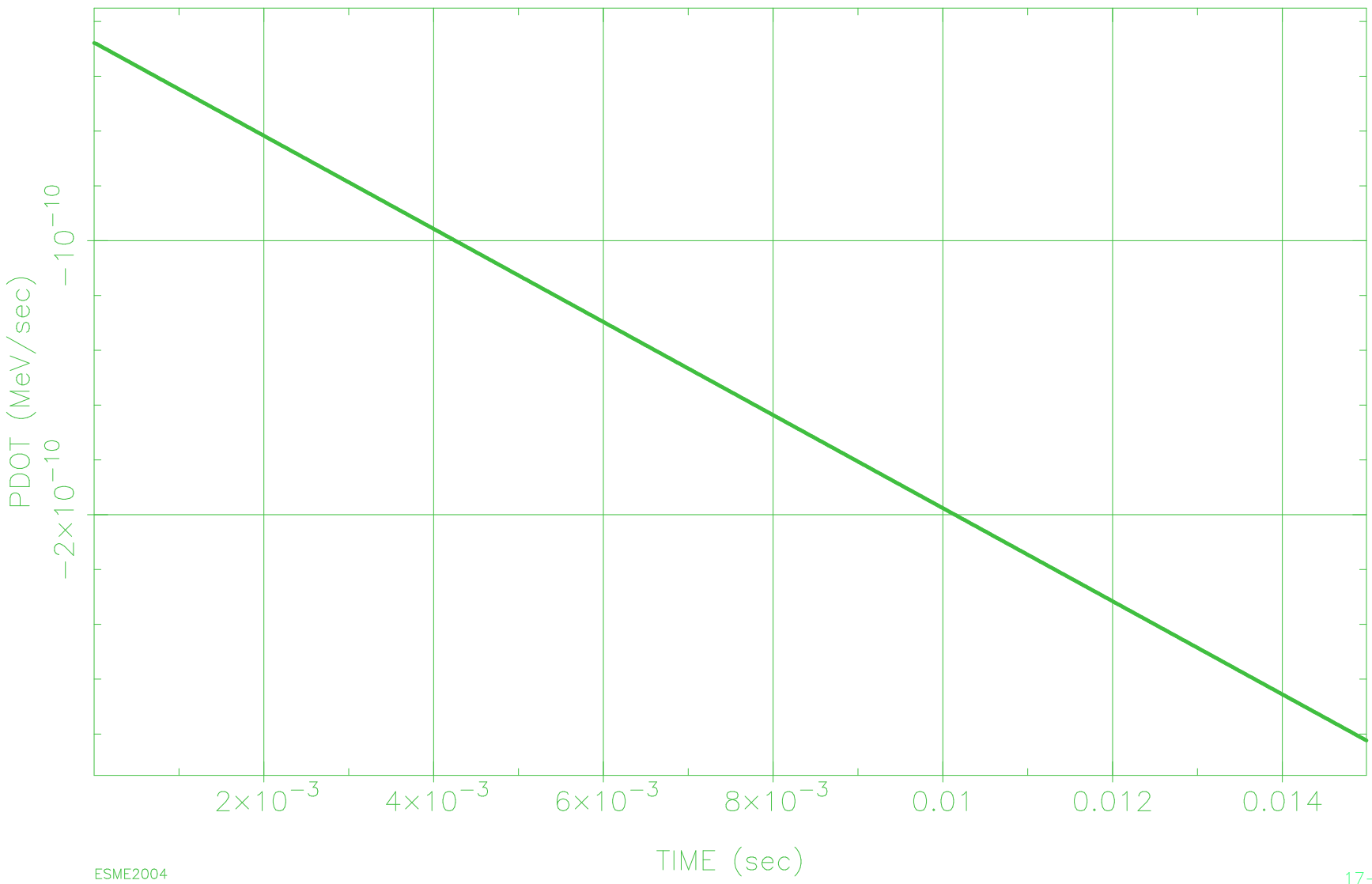


ESME2004

17−Aug−2007 13:55

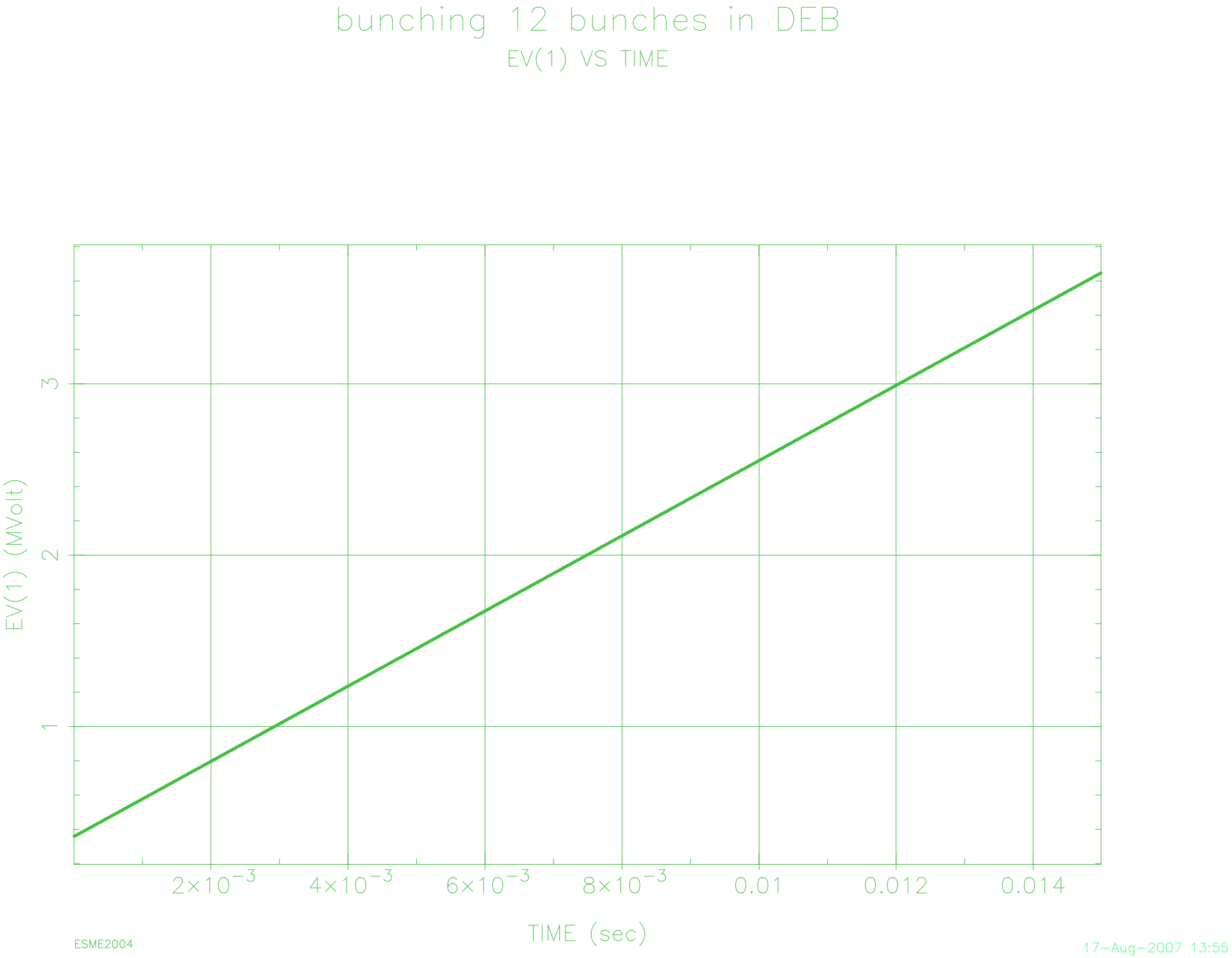
bunching 12 bunches in DEB

PDOT VS TIME



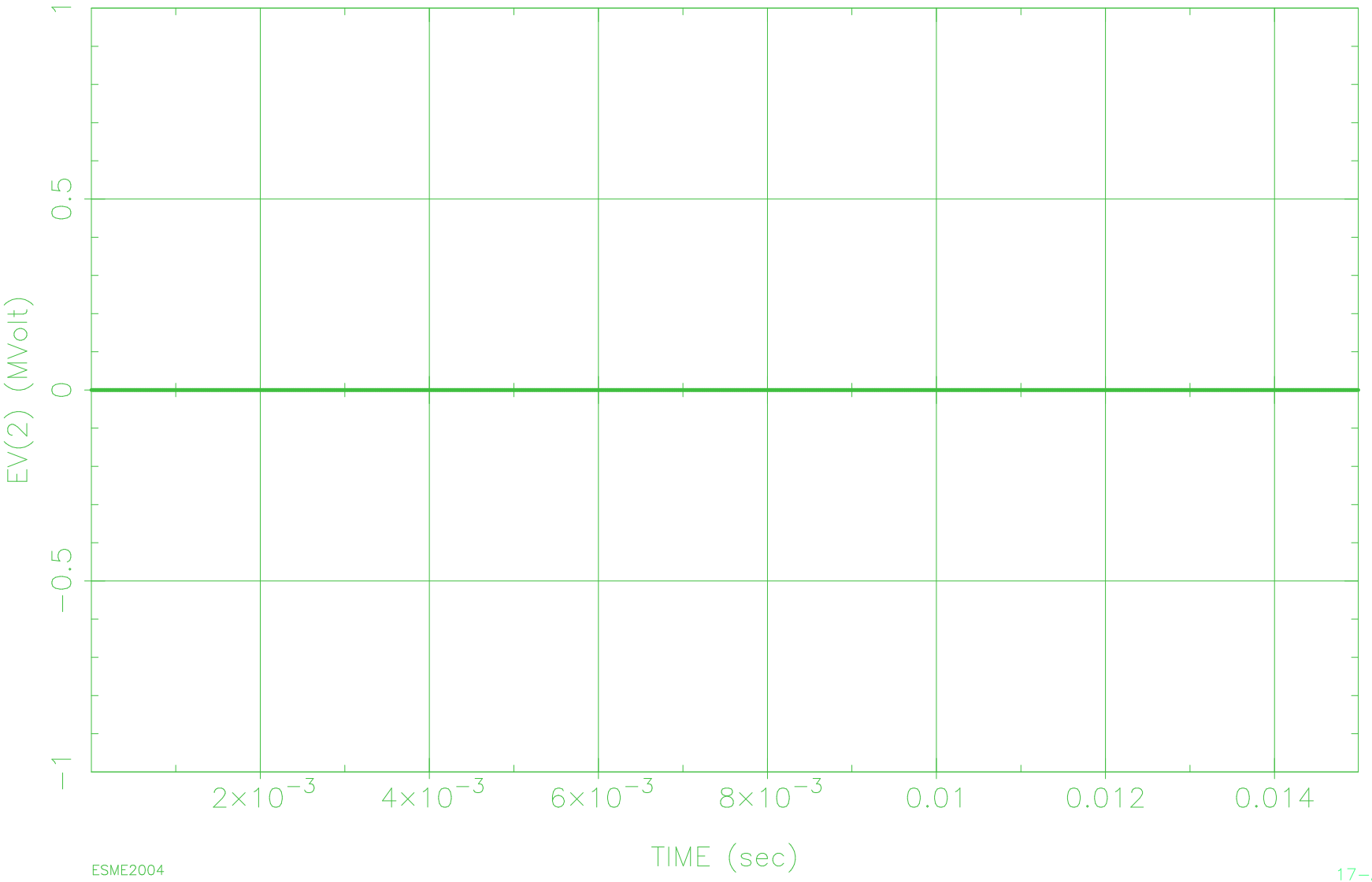
ESME2004

17-Aug-2007 13:55


bunching 12 bunches in DEB
EV(1) VS TIME
EV(1) (MVolt)
1
2
3
2×10^−3
4×10^−3
6×10^−3
8×10^−3
0.01
0.012
0.014
TIME (sec)
ESME2004
17−Aug−2007 13:55

bunching 12 bunches in DEB

EV(2) VS TIME

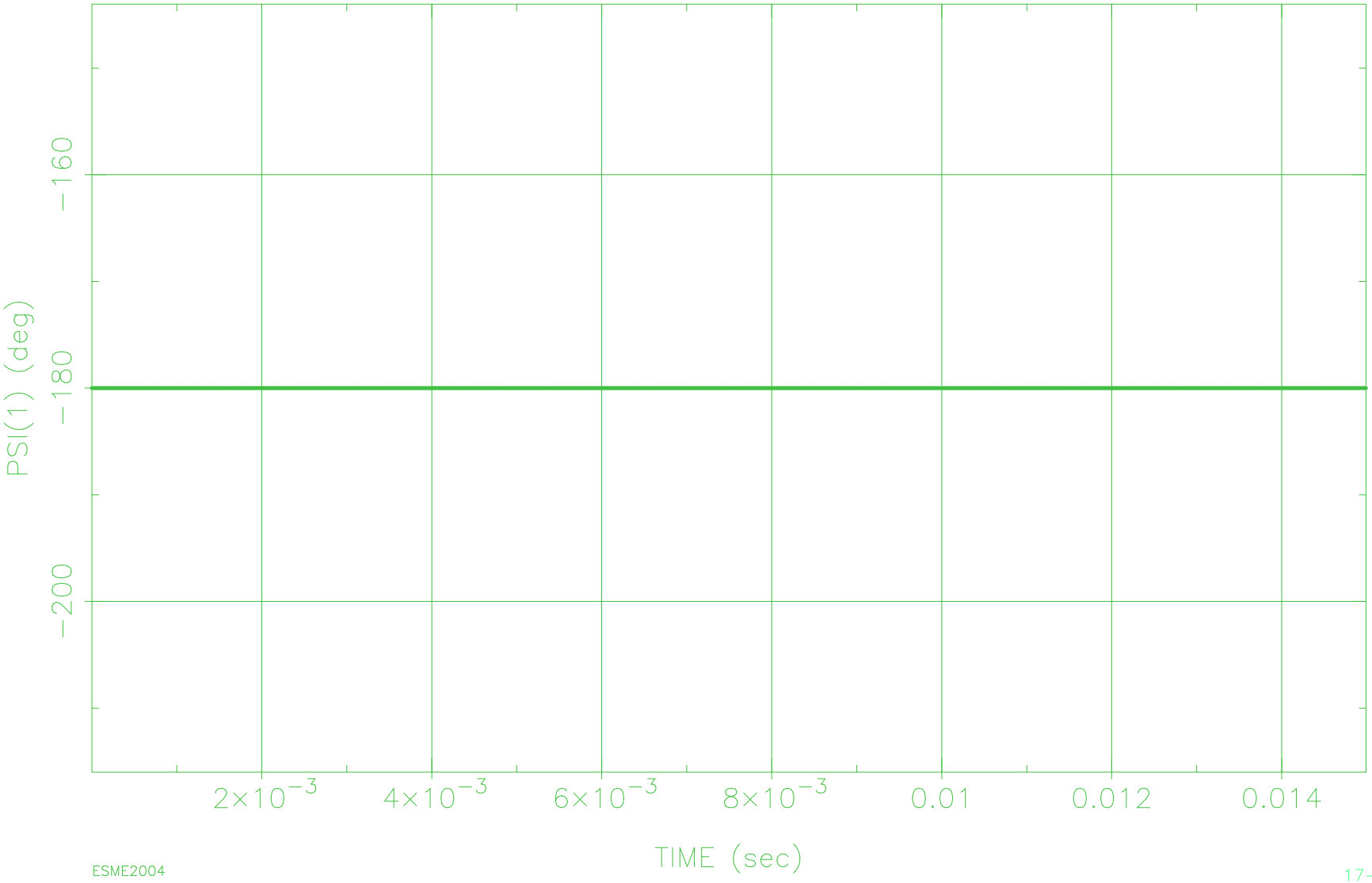


ESME2004

17−Aug−2007 13:55

bunching 12 bunches in DEB

PSI(1) VS TIME

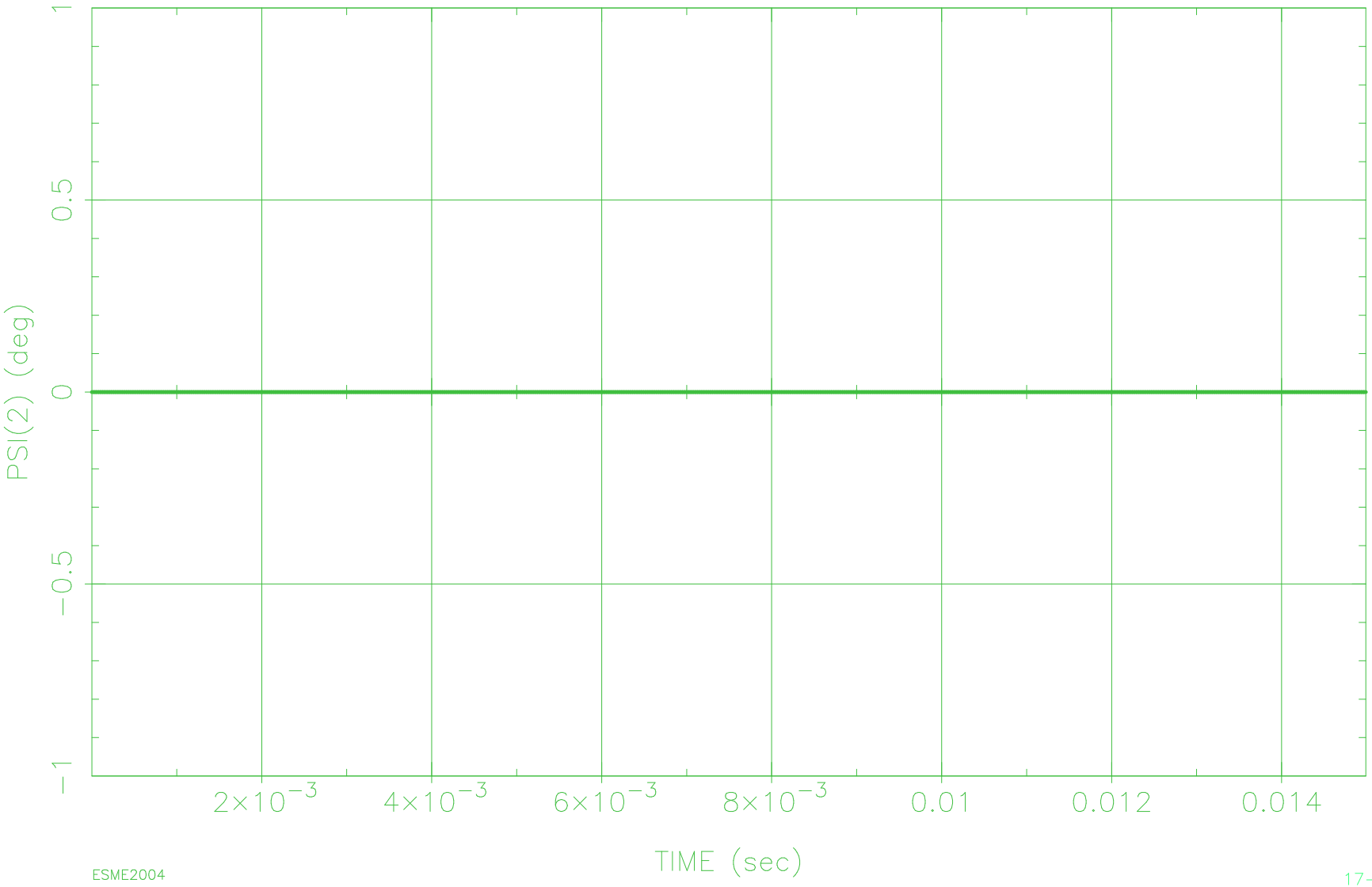


ESME2004

17−Aug−2007 13:55

bunching 12 bunches in DEB

PSI(2) VS TIME

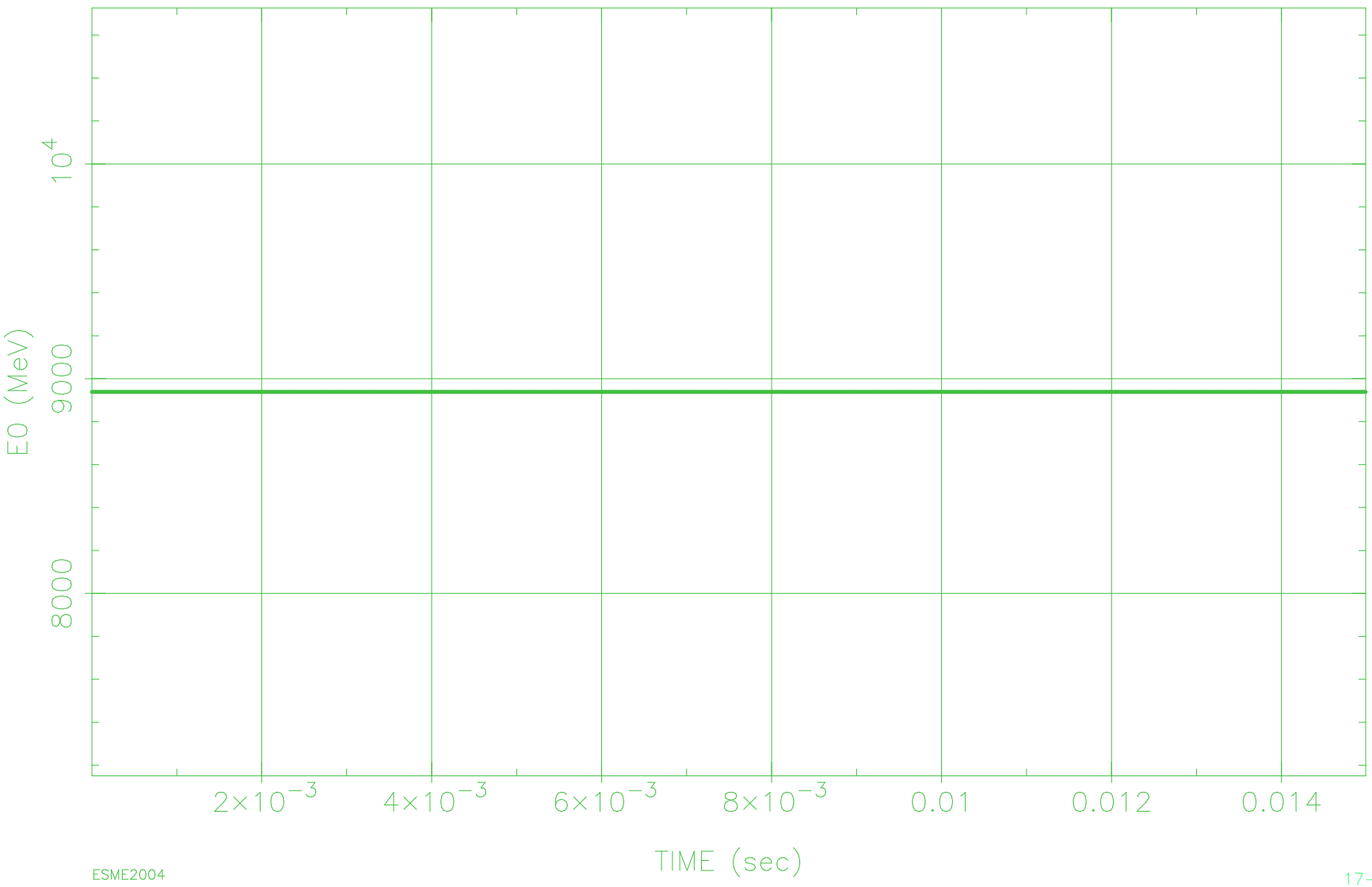


ESME2004

17−Aug−2007 13:55

bunching 12 bunches in DEB

E0 VS TIME

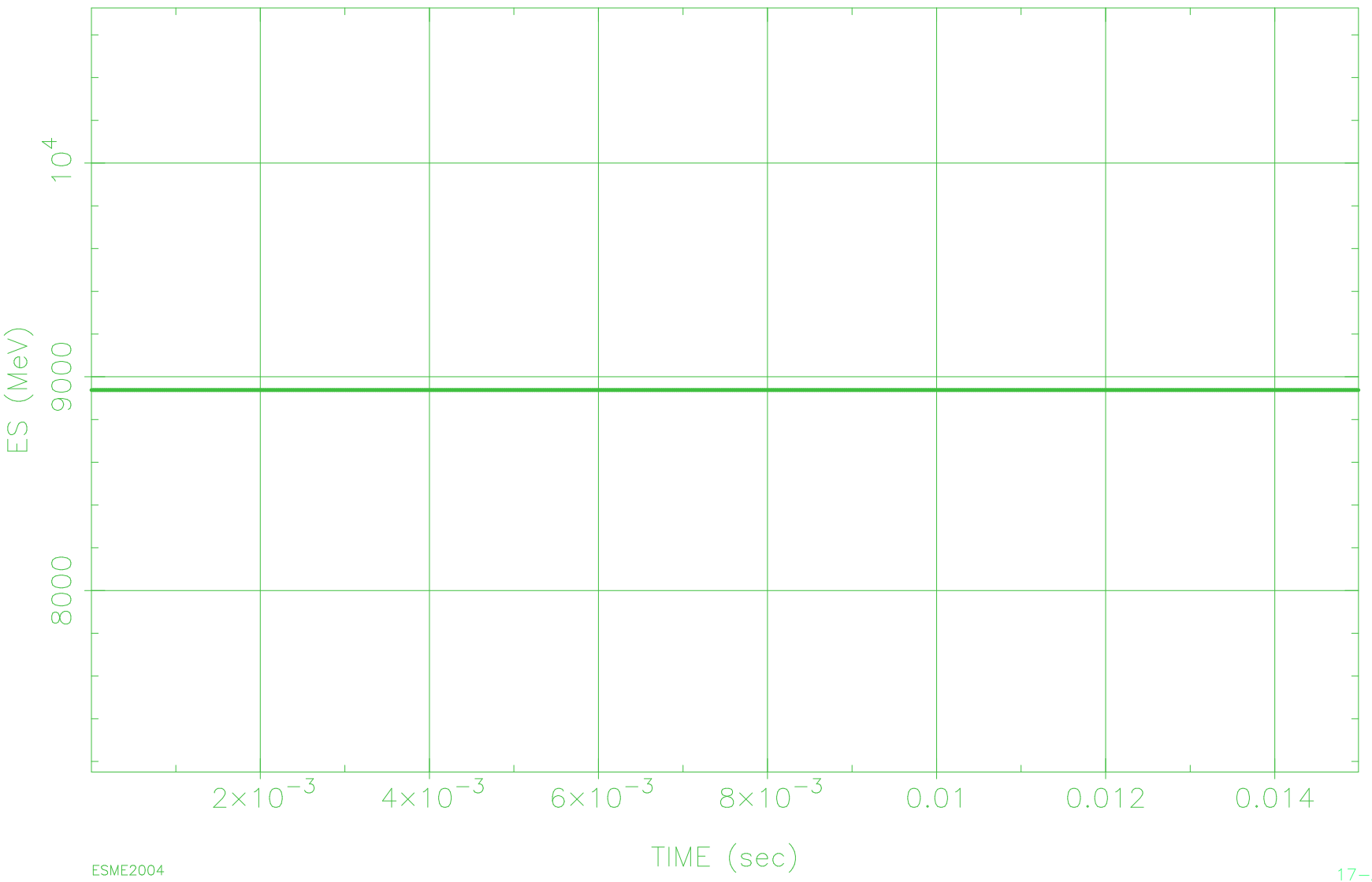


ESME2004

17-Aug-2007 13:55

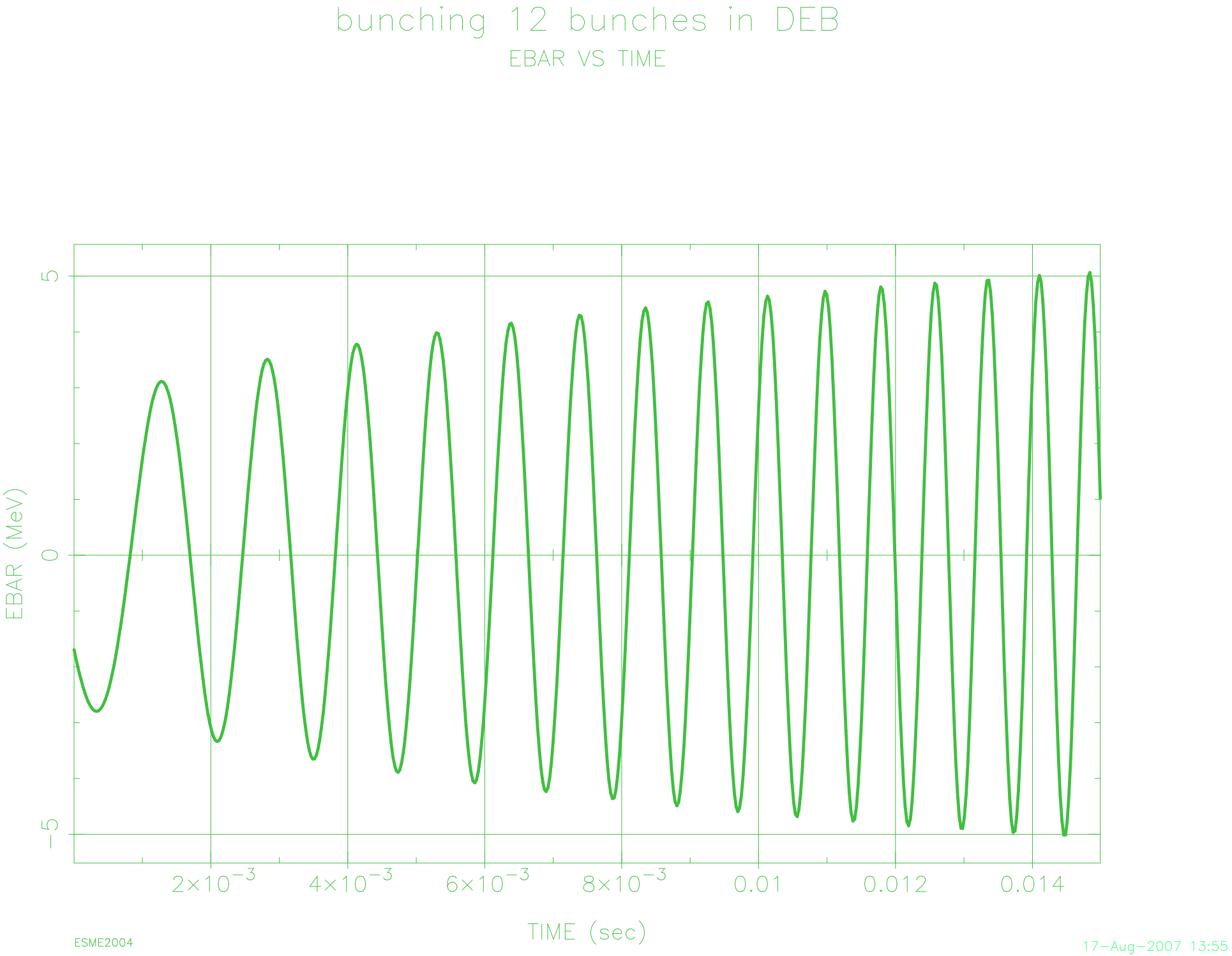
bunching 12 bunches in DEB

ES VS TIME



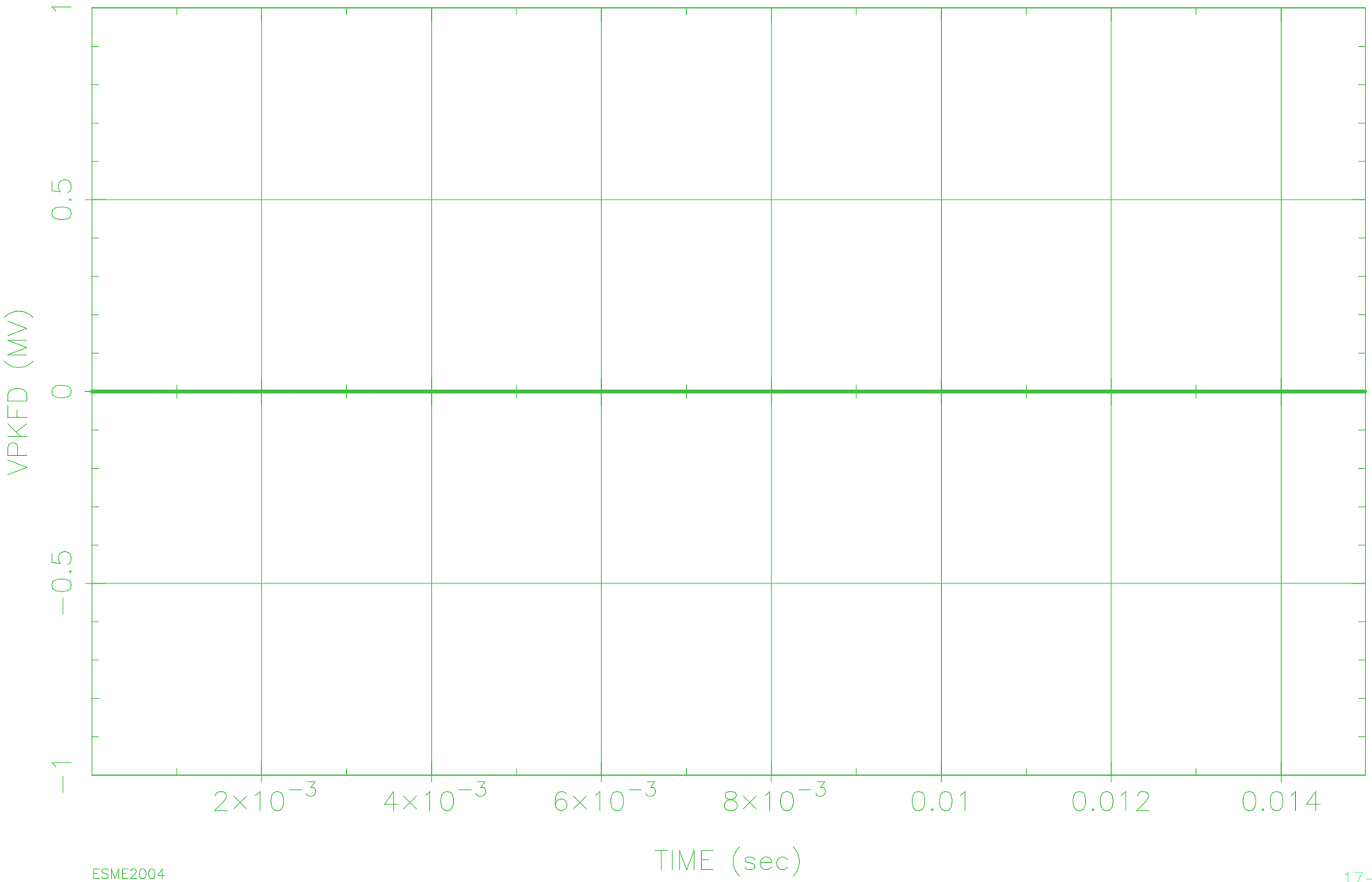
ESME2004

17-Aug-2007 13:55


bunching 12 bunches in DEB
EBAR VS TIME
5
0
−5
EBAR (MeV)
2×10^−3
4×10^−3
6×10^−3
8×10^−3
0.01
0.012
0.014
TIME (sec)
ESME2004
17−Aug−2007 13:55

bunching 12 bunches in DEB

VPKFD VS TIME



ESME2004

17−Aug−2007 13:55