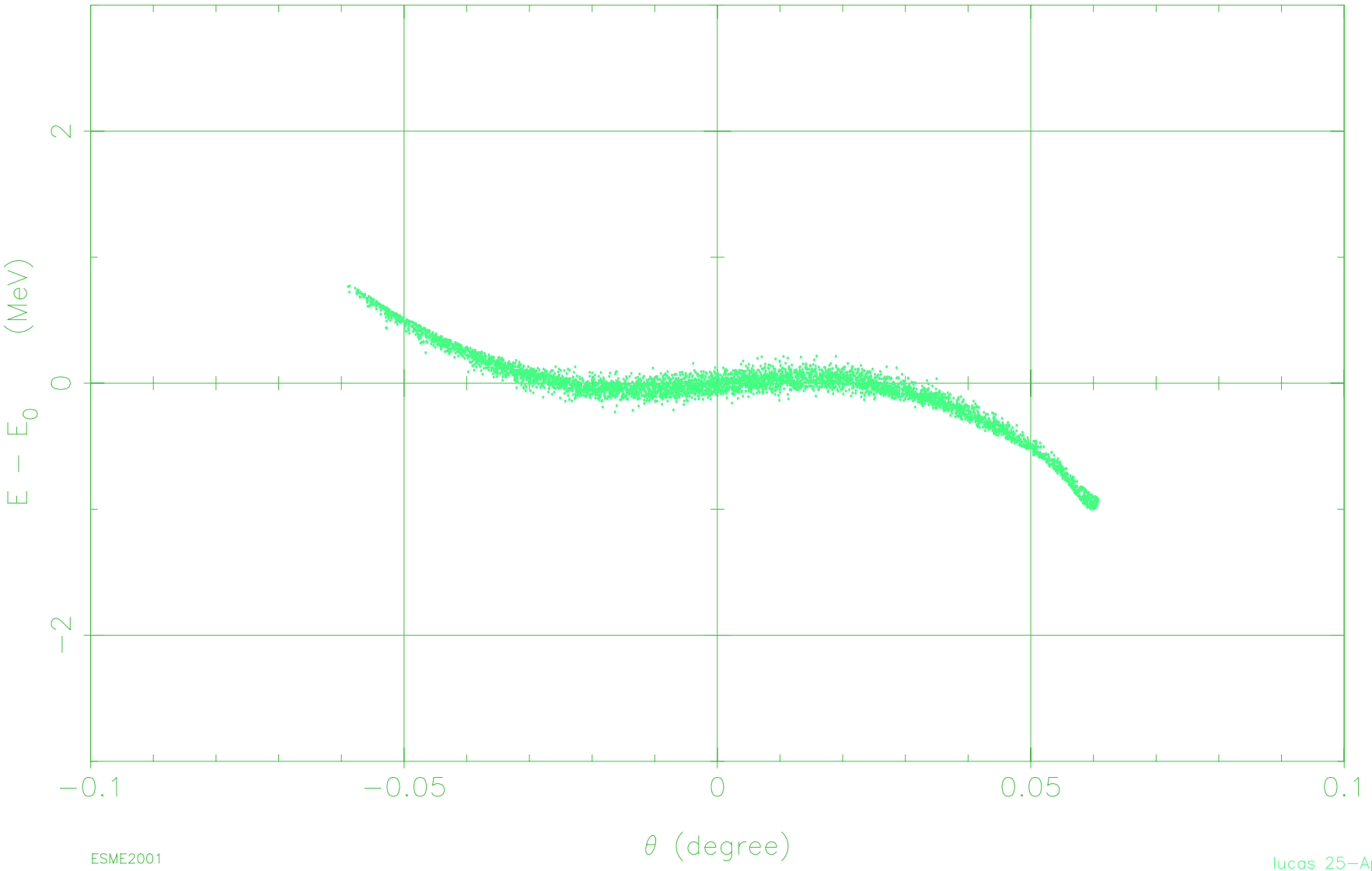
Insert 400 MeV Micro−Bunches

Iter 38 2.792E−07 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
8.2209E−01	2.7641E−02	1.3383E+03	84	6.000E−02	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.3232E−02	−8.0084E+02	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	9.9486E−05	50000			



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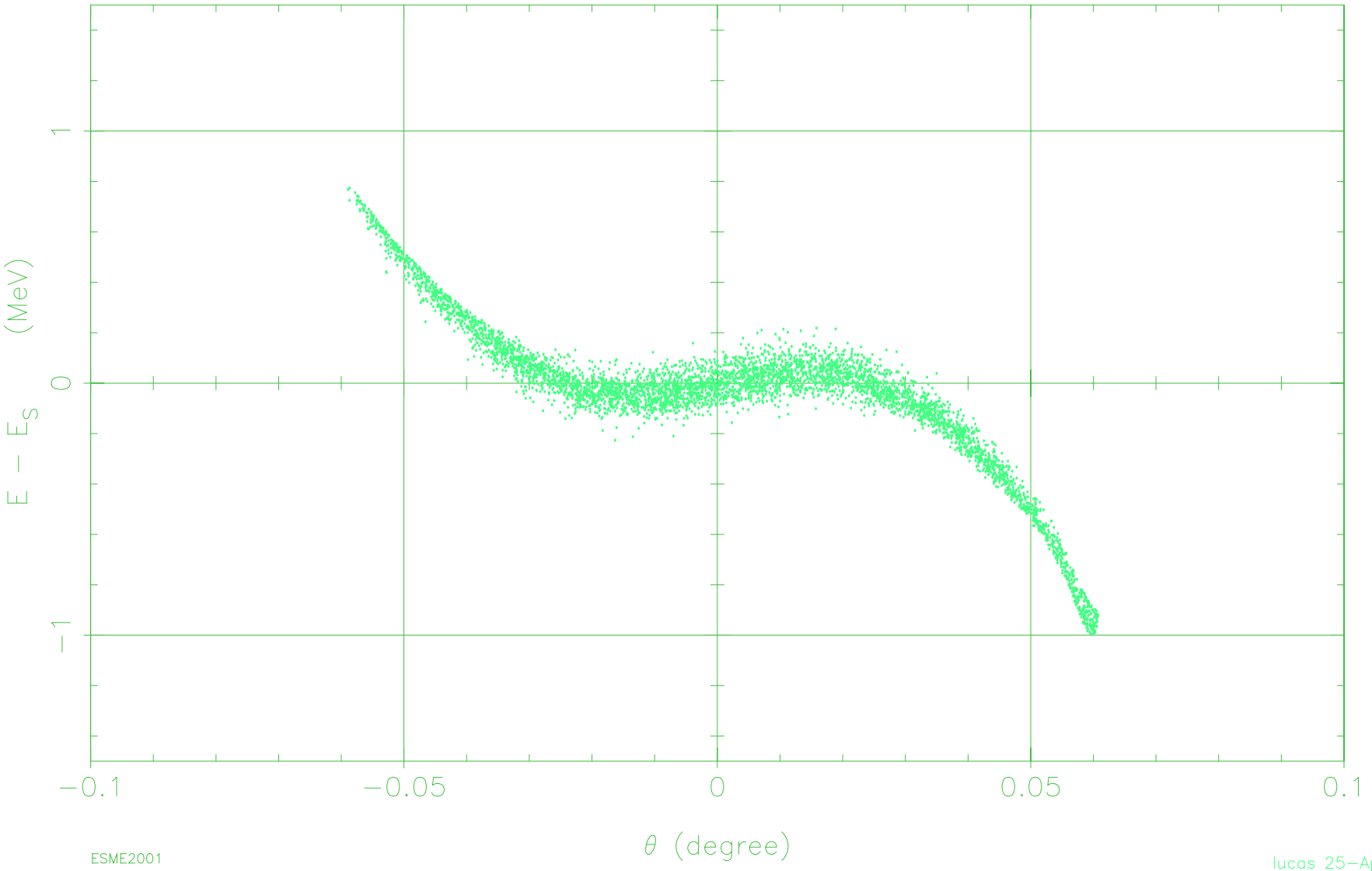
Change energy scale by 40%

Iter 38 2.792E−07 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
8.2209E−01	2.7641E−02	1.3383E+03	84	6.000E−02	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.3232E−02	−8.0084E+02	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	9.9486E−05	50000			



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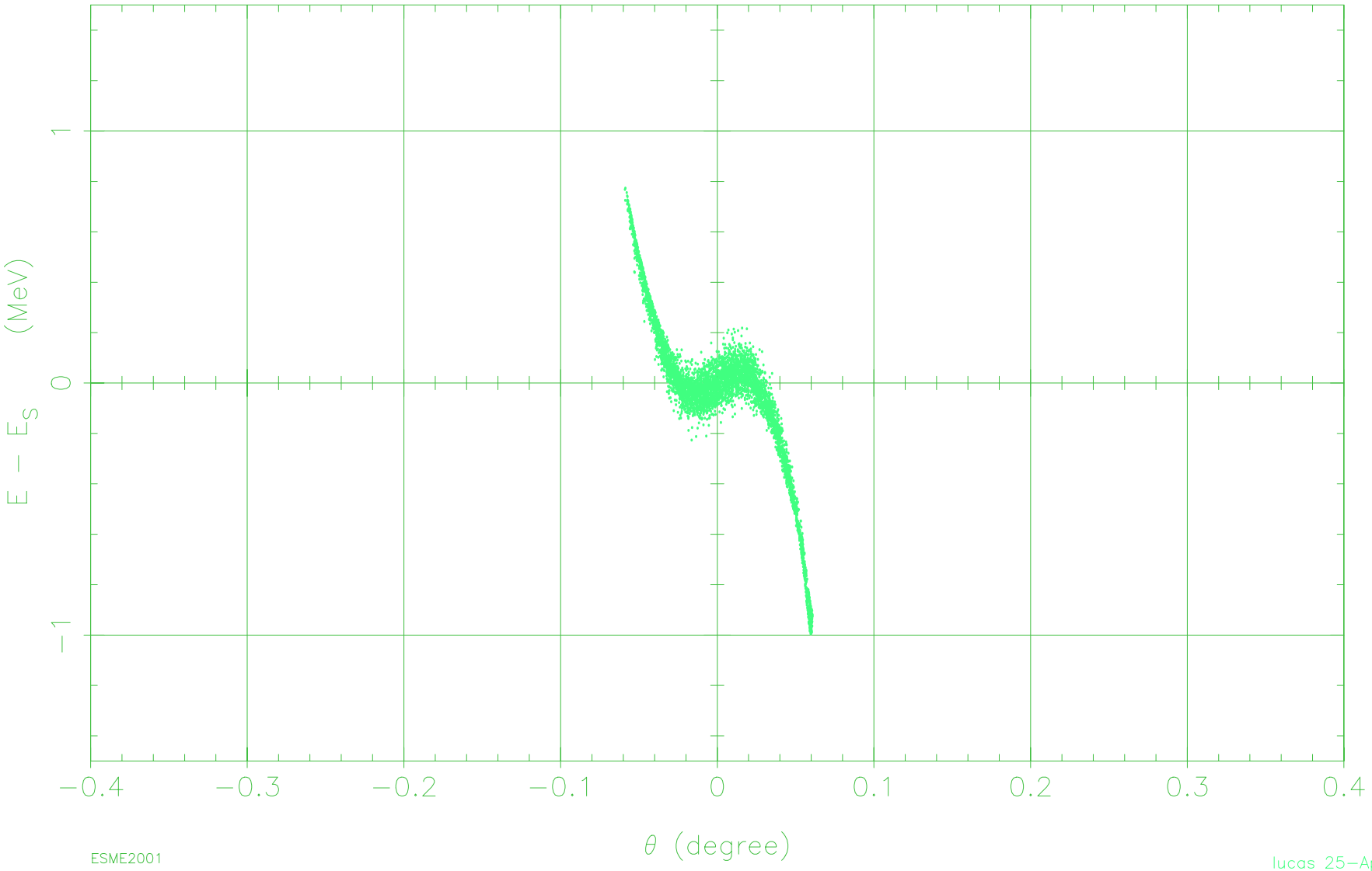
Change angle scale by first factor of 4

Iter 38 2.792E−07 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
8.2209E−01	2.7641E−02	1.3383E+03	84	6.000E−02	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.3232E−02	−8.0084E+02	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	9.9486E−05	50000			



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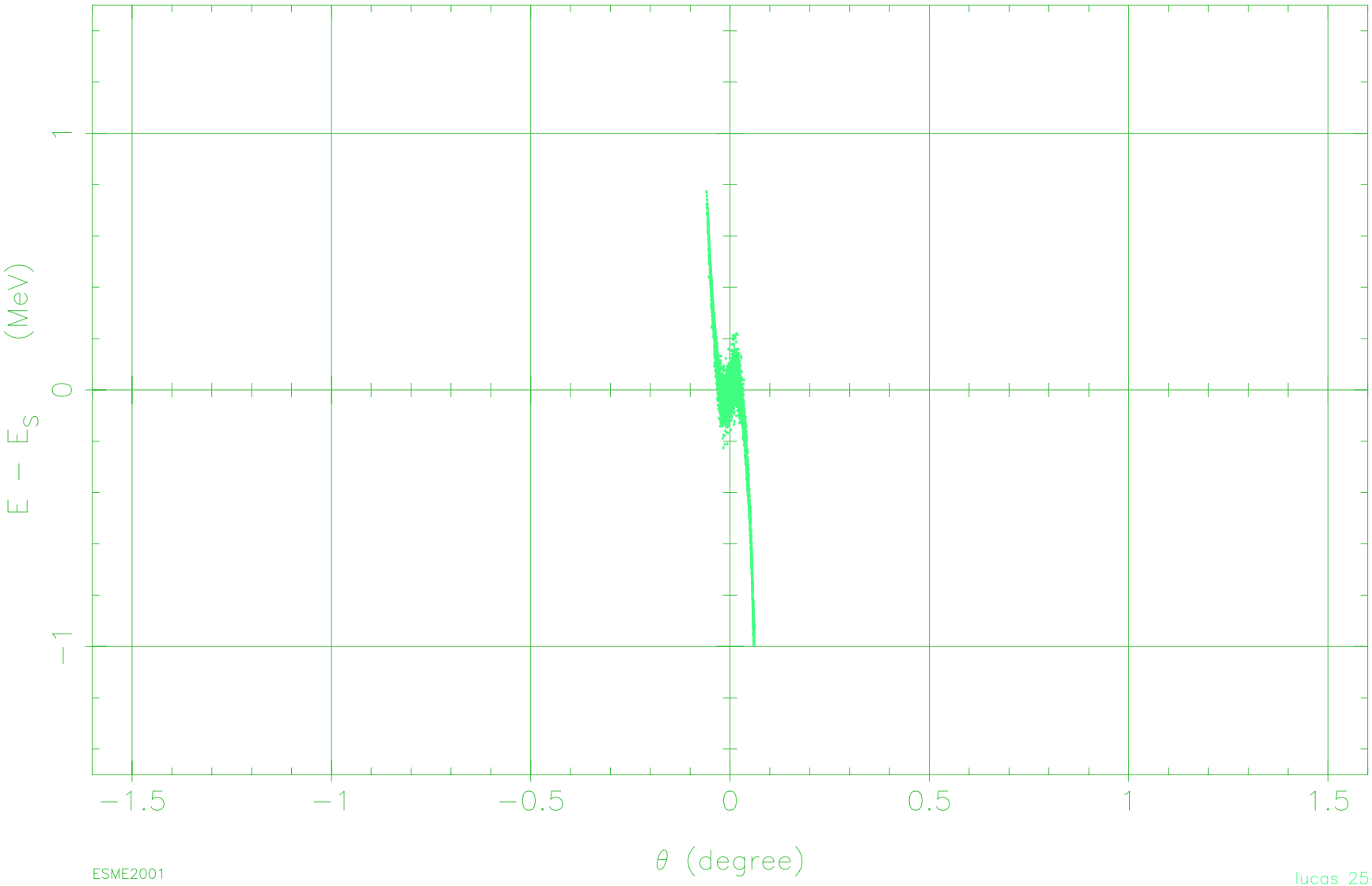
Change angle scale by second factor of 4

Iter 38 2.792E−07 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
8.2209E−01	2.7641E−02	1.3383E+03	84	6.000E−02	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.3232E−02	−8.0084E+02	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	9.9486E−05	50000			



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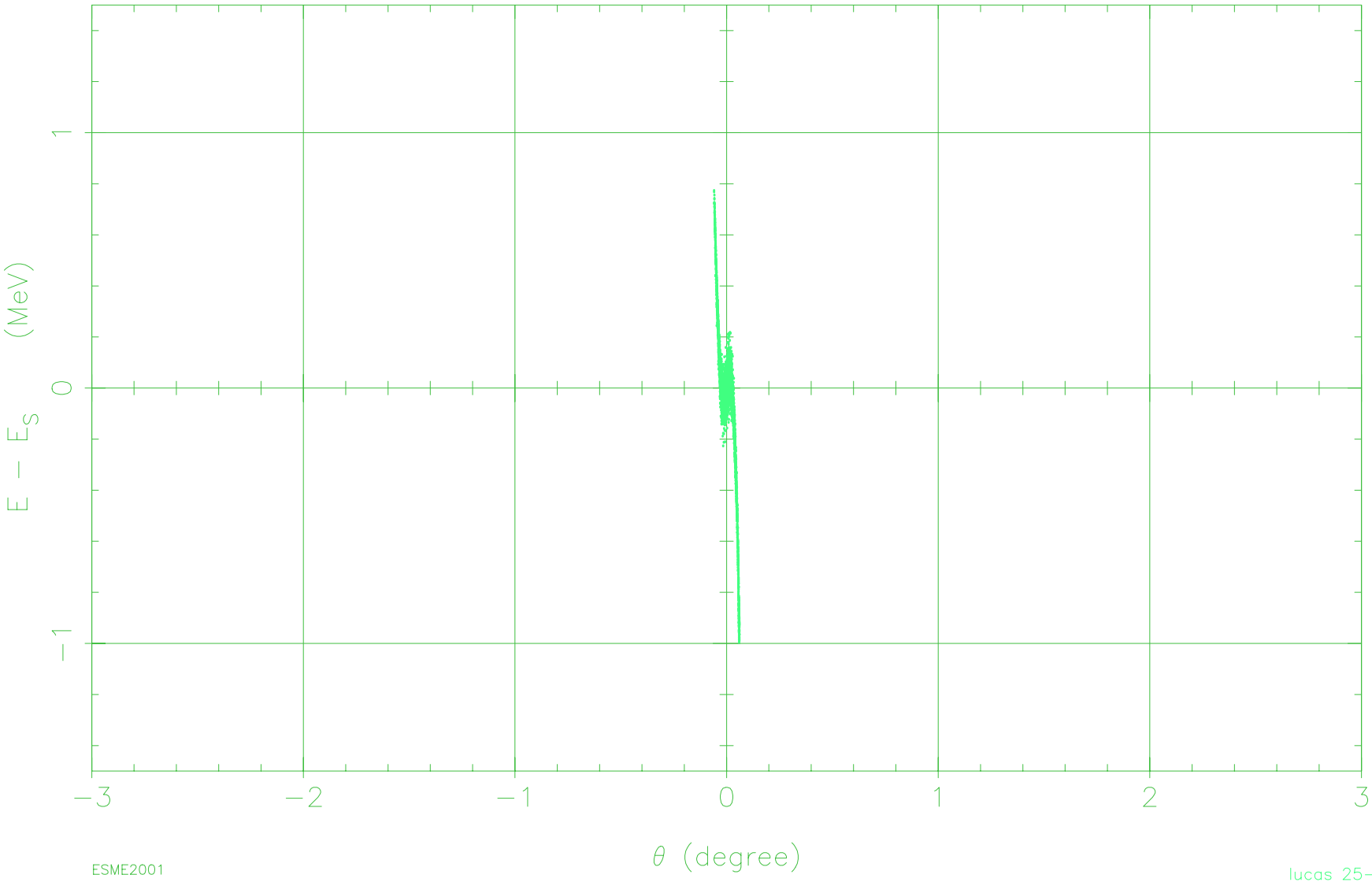
Change angle scale by final factor of ~2

Iter 38 2.792E−07 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
8.2209E−01	2.7641E−02	1.3383E+03	84	6.000E−02	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.3232E−02	−8.0084E+02	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	9.9486E−05	50000			



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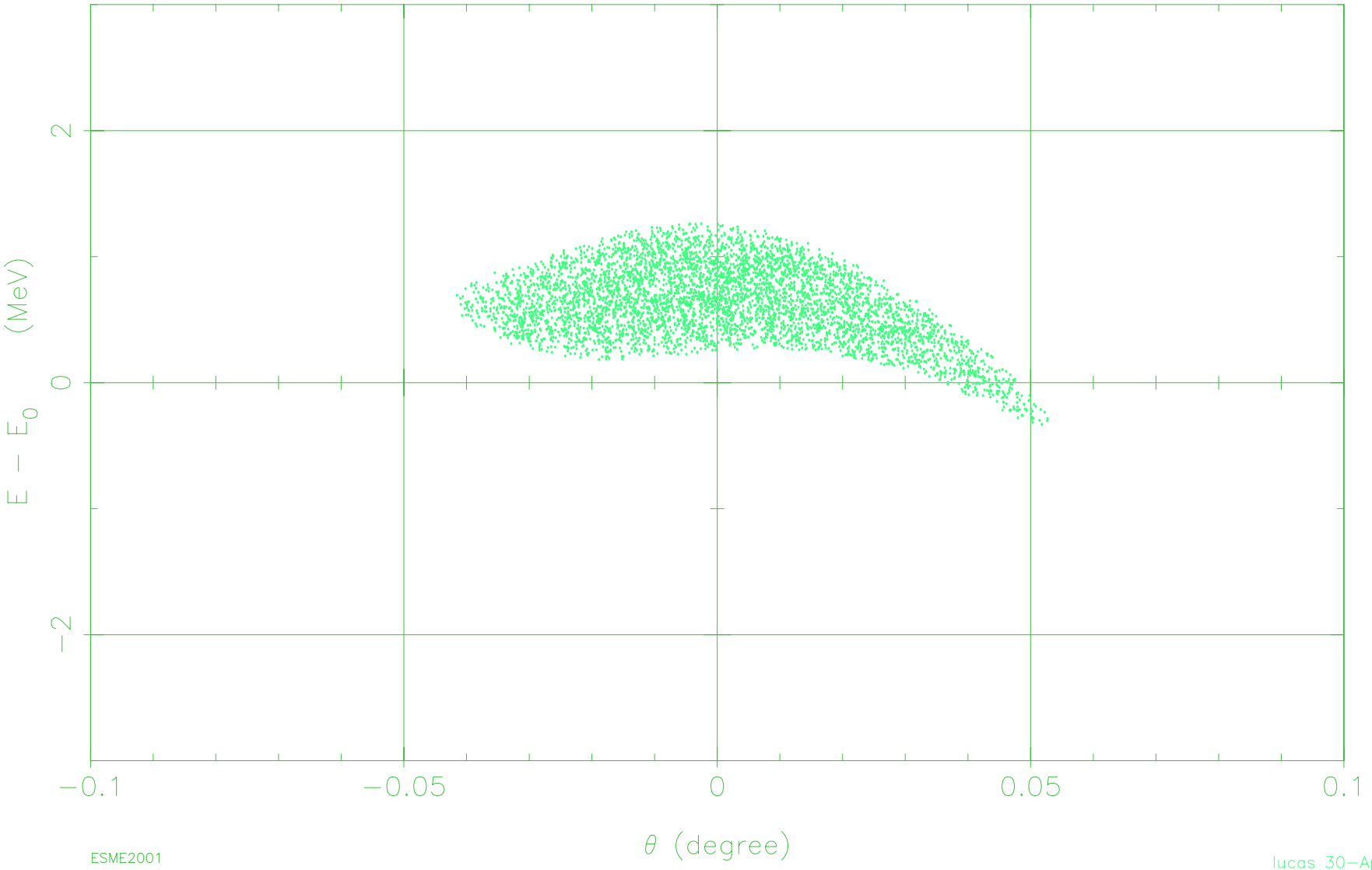
Insert 400 MeV Micro−Bunches

Iter 38 2.792E−07 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
8.2209E−01	2.7641E−02	1.3383E+03	84	6.000E−02	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
2.3232E−02	−8.0084E+02	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	1.0343E−04	50000			



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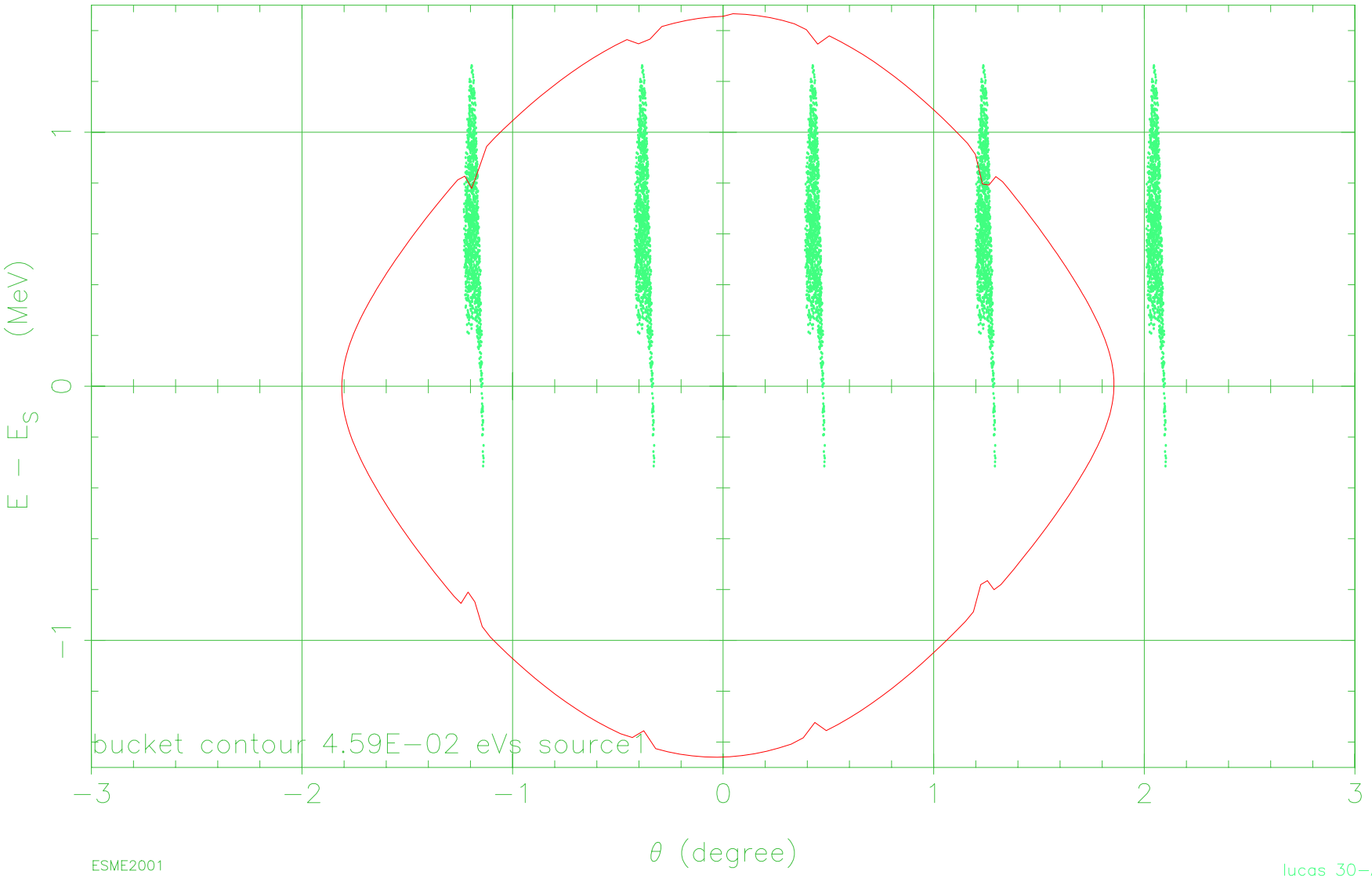
Eleven Overlapped Turns, Big Space Charge

Iter 0 0.000E+00 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
1.4630E+00	4.5880E−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	6.2970E−03	250000			



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