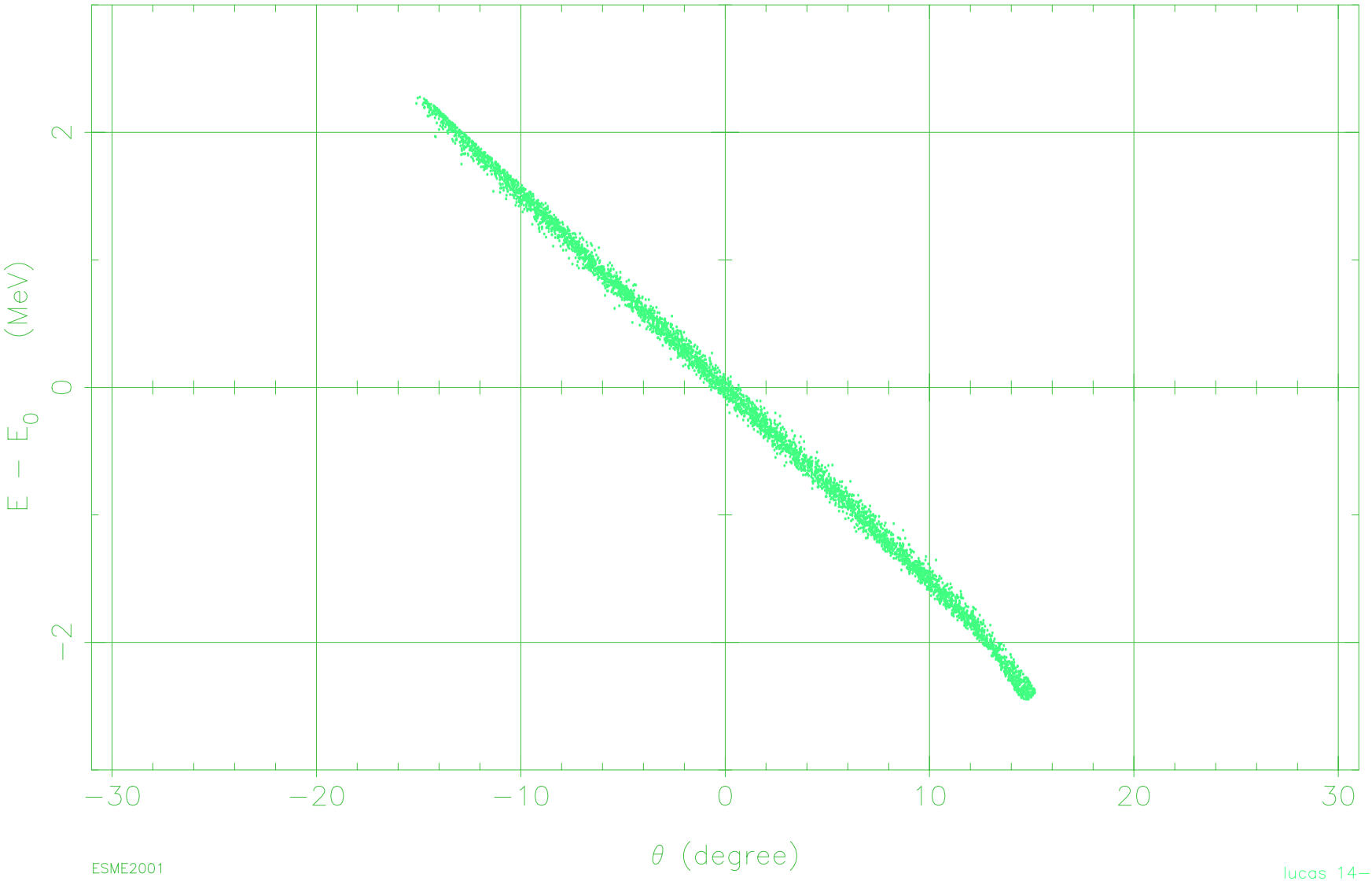
400 MeV Line as a Tiny Ring

Iter 26 1.911E−07 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
0.0000E+00	0.0000E+00	1.3383E+03	6	0.000E+00	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
0.0000E+00	0.0000E+00	−4.9155E−01			
τ (s)	S_b (eV s)	N			
7.3481E−09	3.0681E−05	50000			



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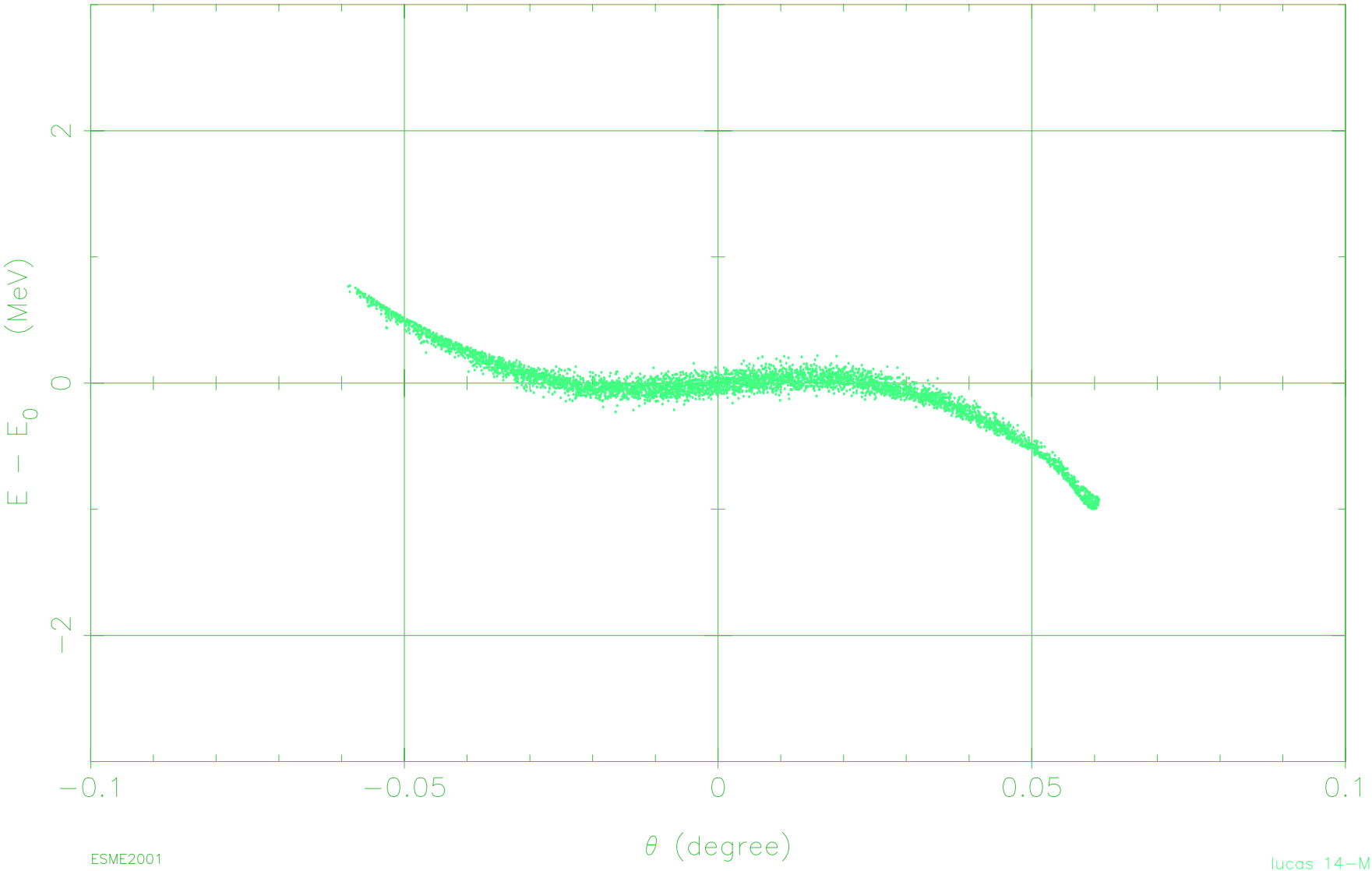
Insert 400 MeV Micro−Bunches

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	9.9486E−05	50000			



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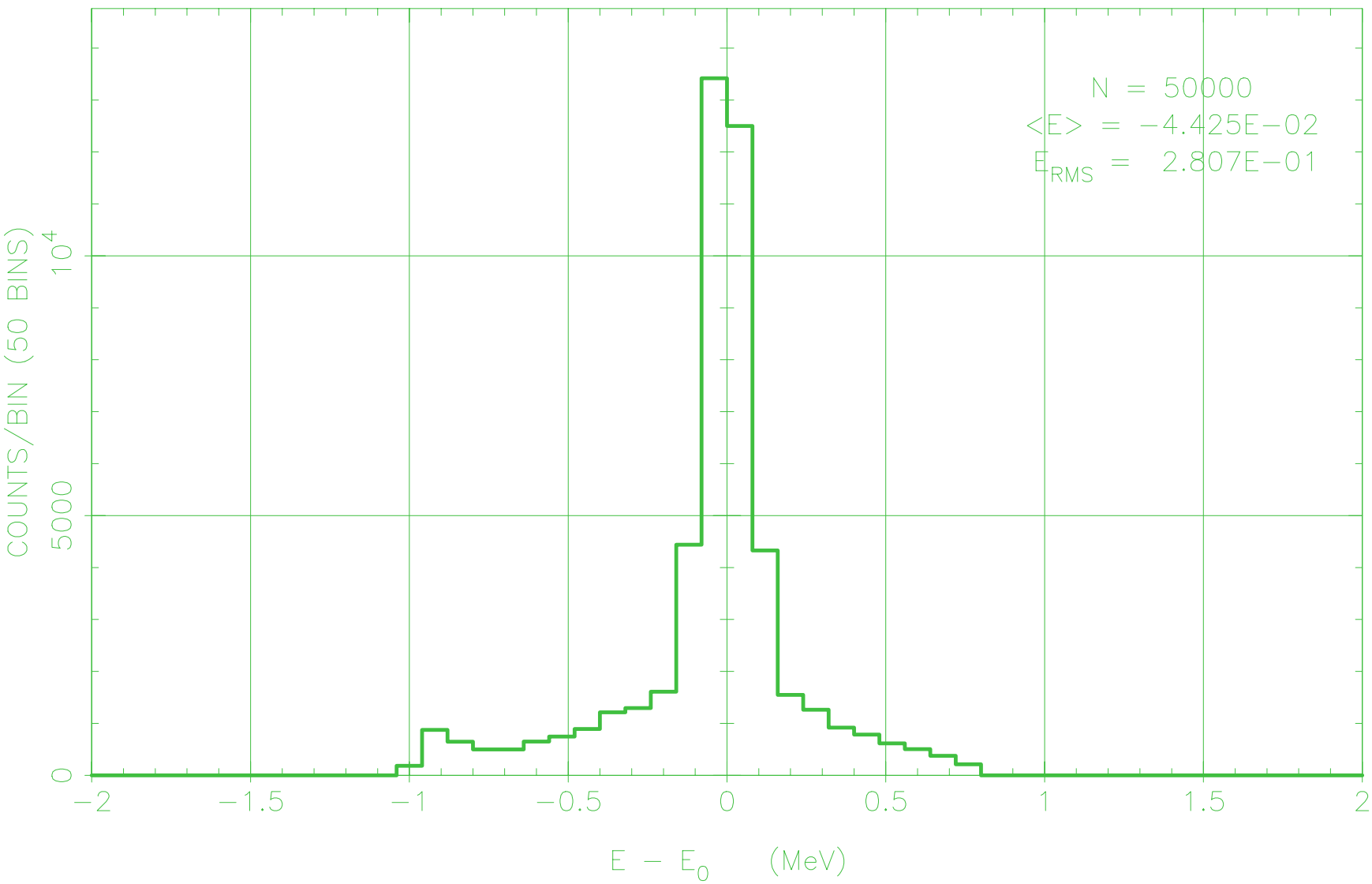
Insert 400 MeV Micro−Bunches

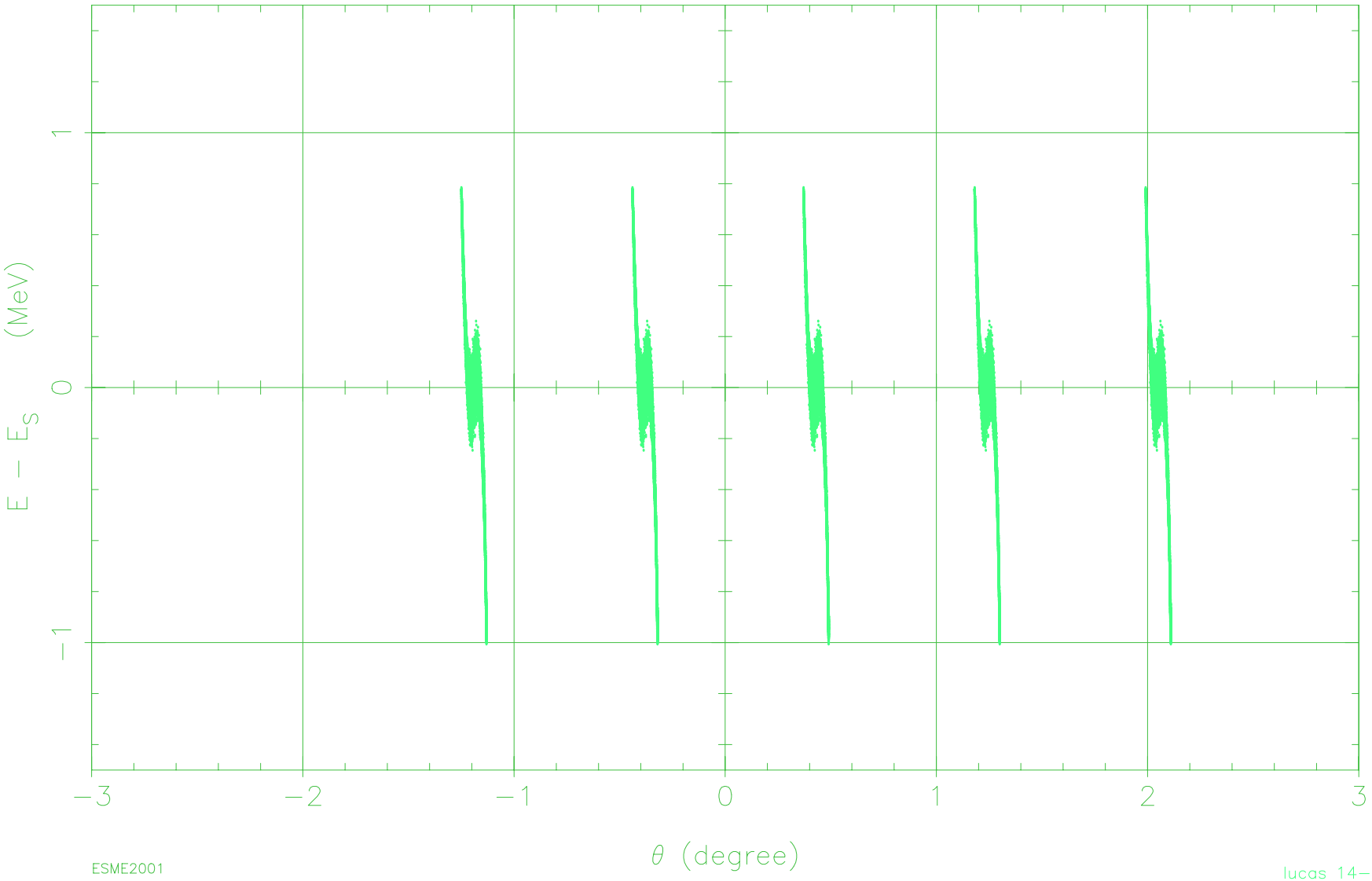
Iter 38
2.792E−07 SEC



Insert 400 MeV Micro−Bunches

Iter 0 0.000E+00 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	−8.1068E+02	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	6.2243E−03	250000			



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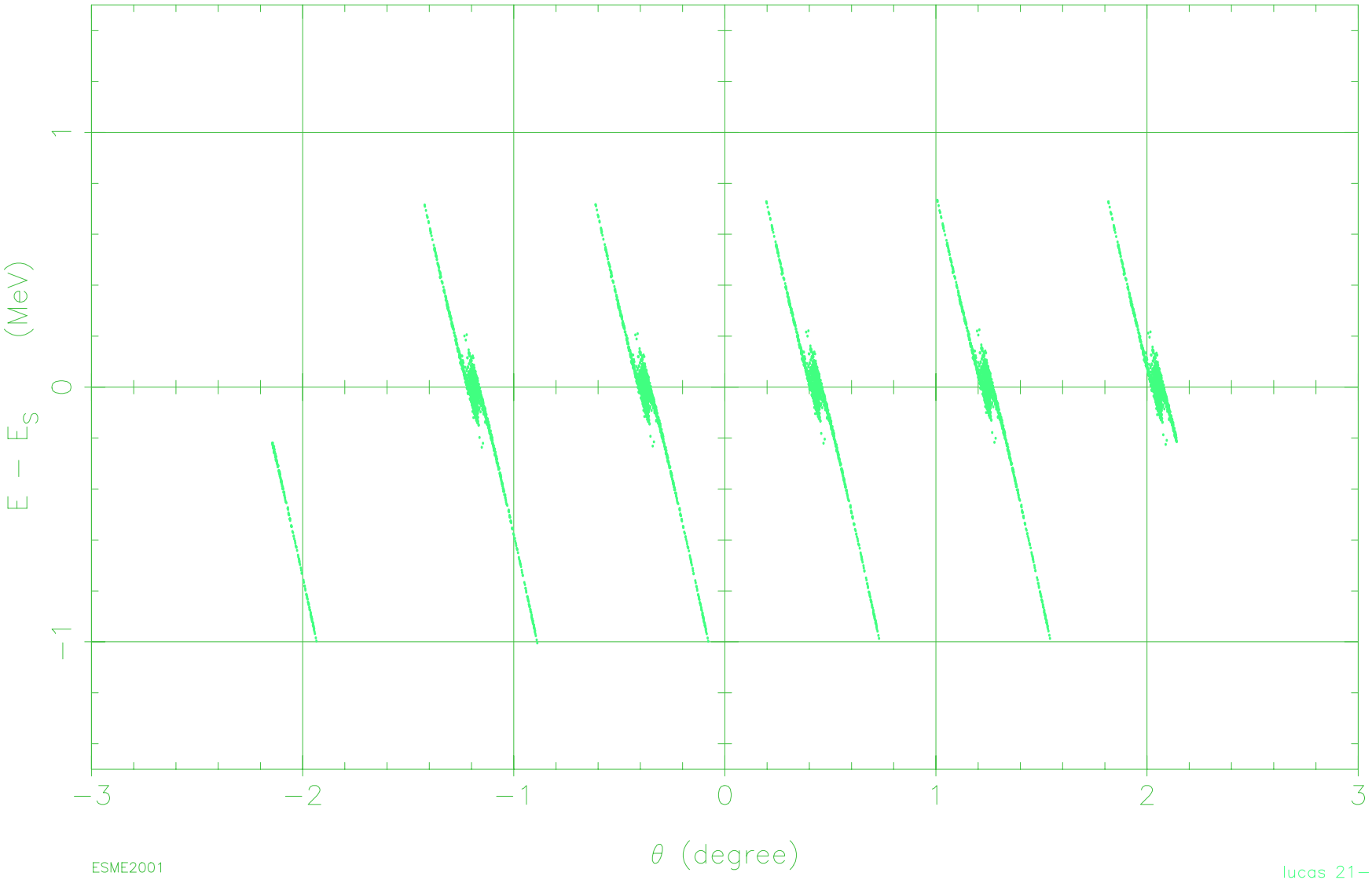
Booster RF Capture, Microbunches Painted

Iter 1 2.218E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
3.3562E−01	1.1285E−02	1.3383E+03	84	1.000E−02	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
9.4844E−03	0.0000E+00	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	6.3568E−03	250000			



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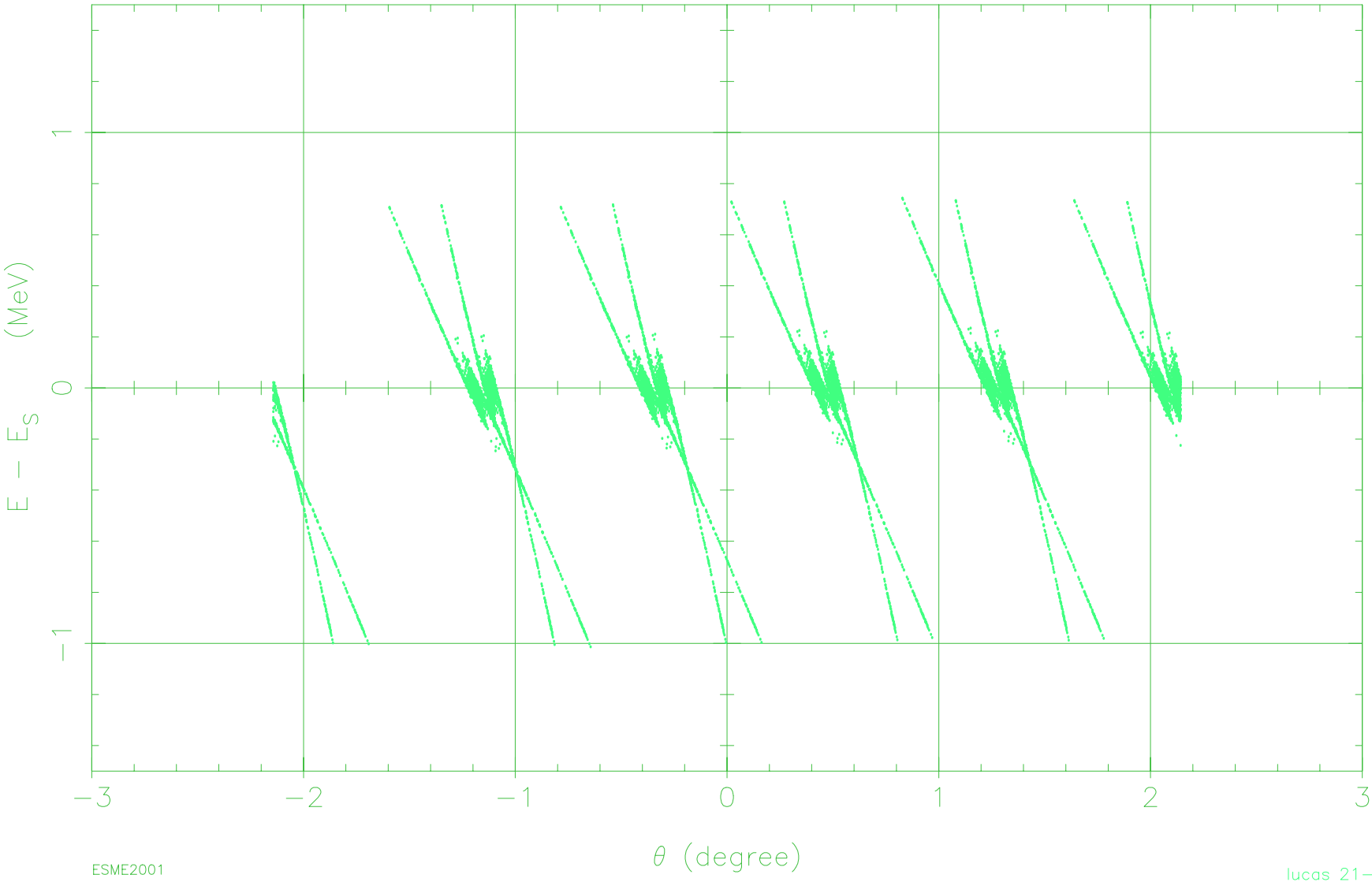
Booster RF Capture, Microbunches Painted

Iter 2 4.436E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
3.3562E−01	1.1285E−02	1.3383E+03	84	1.000E−02	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
9.4844E−03	0.0000E+00	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	6.4604E−03	500000			



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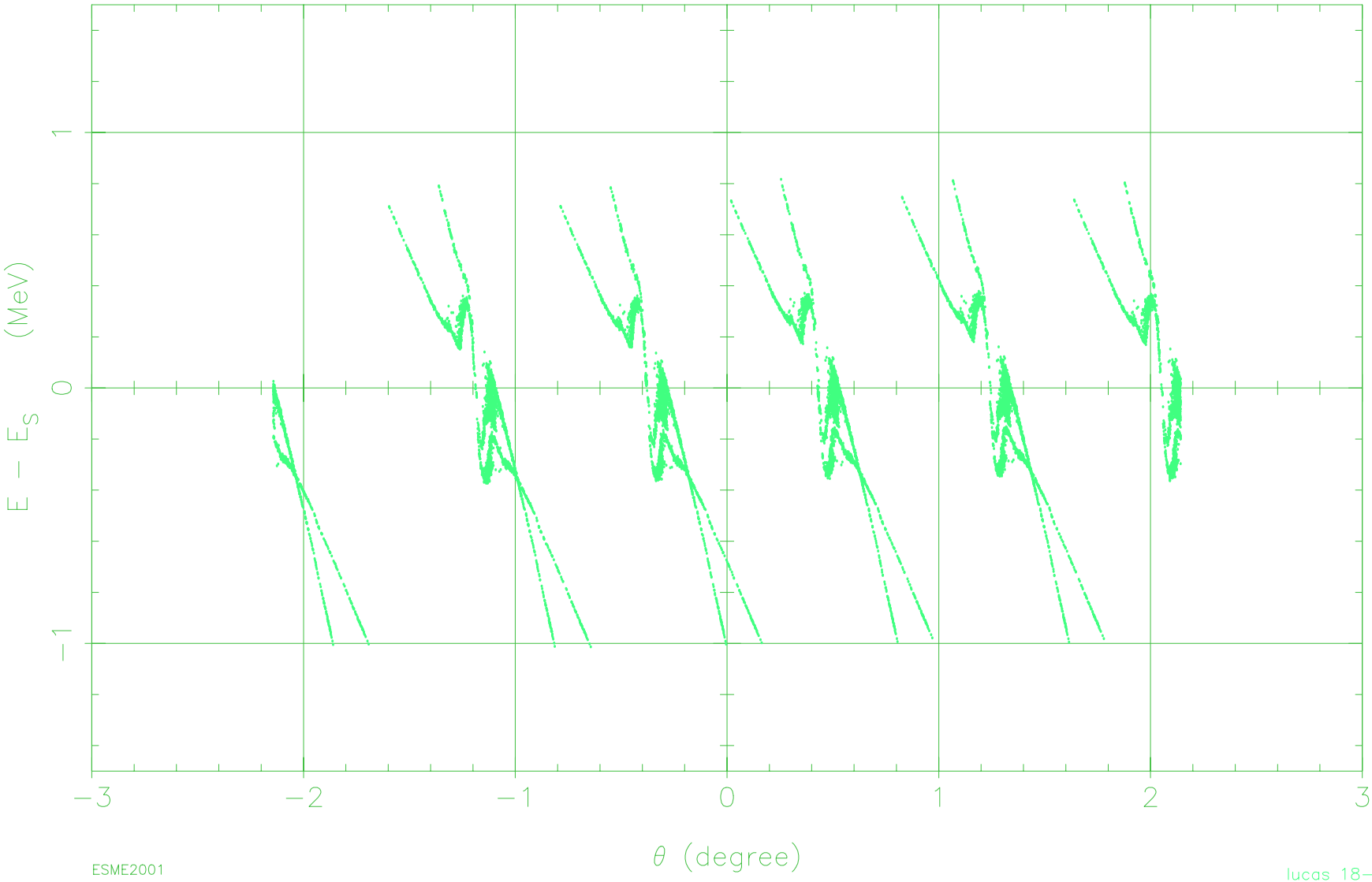
Booster RF Capture, Microbunches Painted

Iter 2 4.436E−06 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
3.3562E−01	1.1285E−02	1.3383E+03	84	1.000E−02	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
9.4844E−03	0.0000E+00	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	7.6547E−03	500000			



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