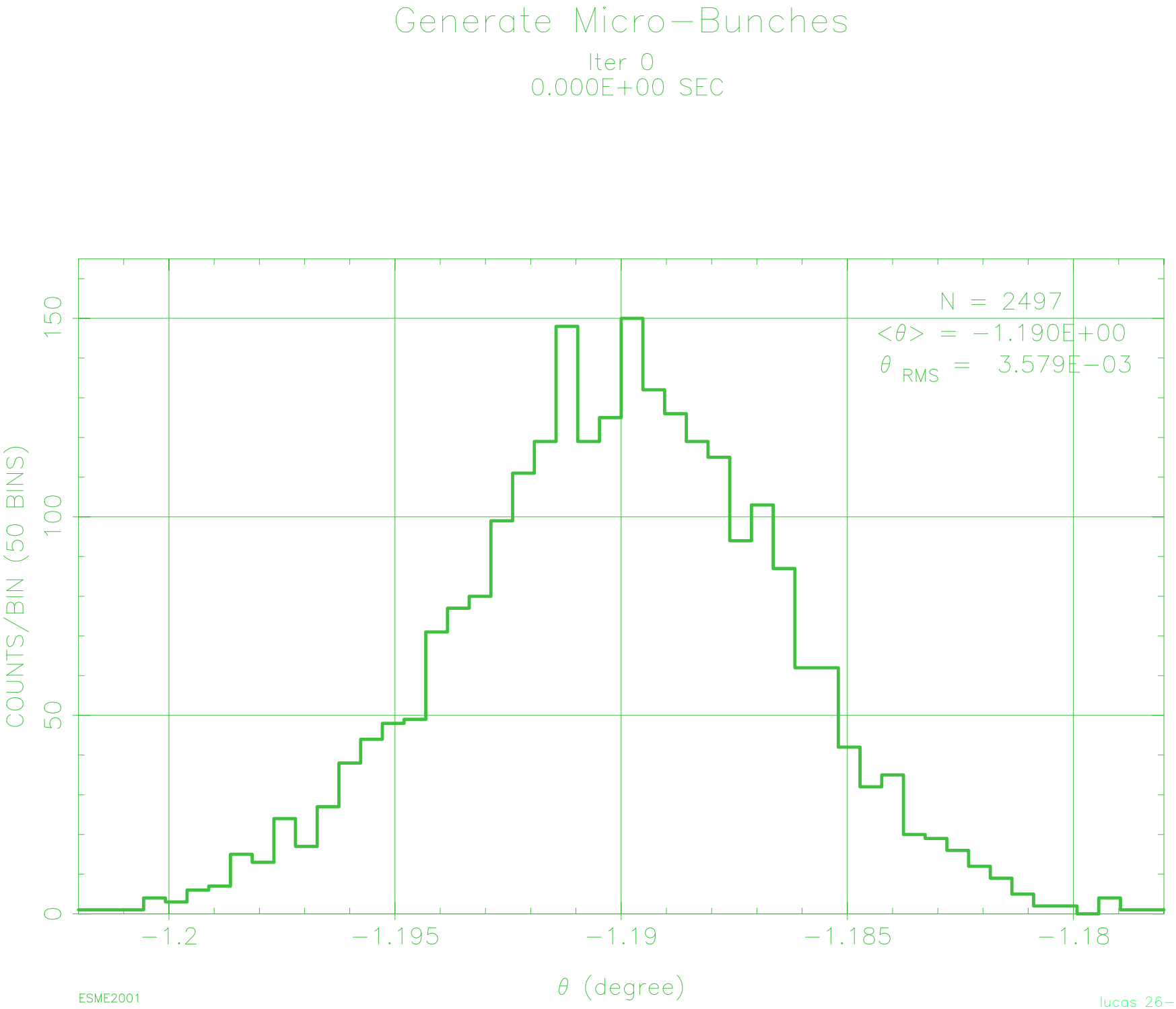
Generate Micro−Bunches
Iter 0
0.000E+00 SEC
N = 2497
<θ> = −1.190E+00
θ RMS = 3.579E−03
COUNTS/BIN (50 BINS)
0
50
100
150
−1.2
−1.195
−1.19
−1.185
−1.18
θ (degree)
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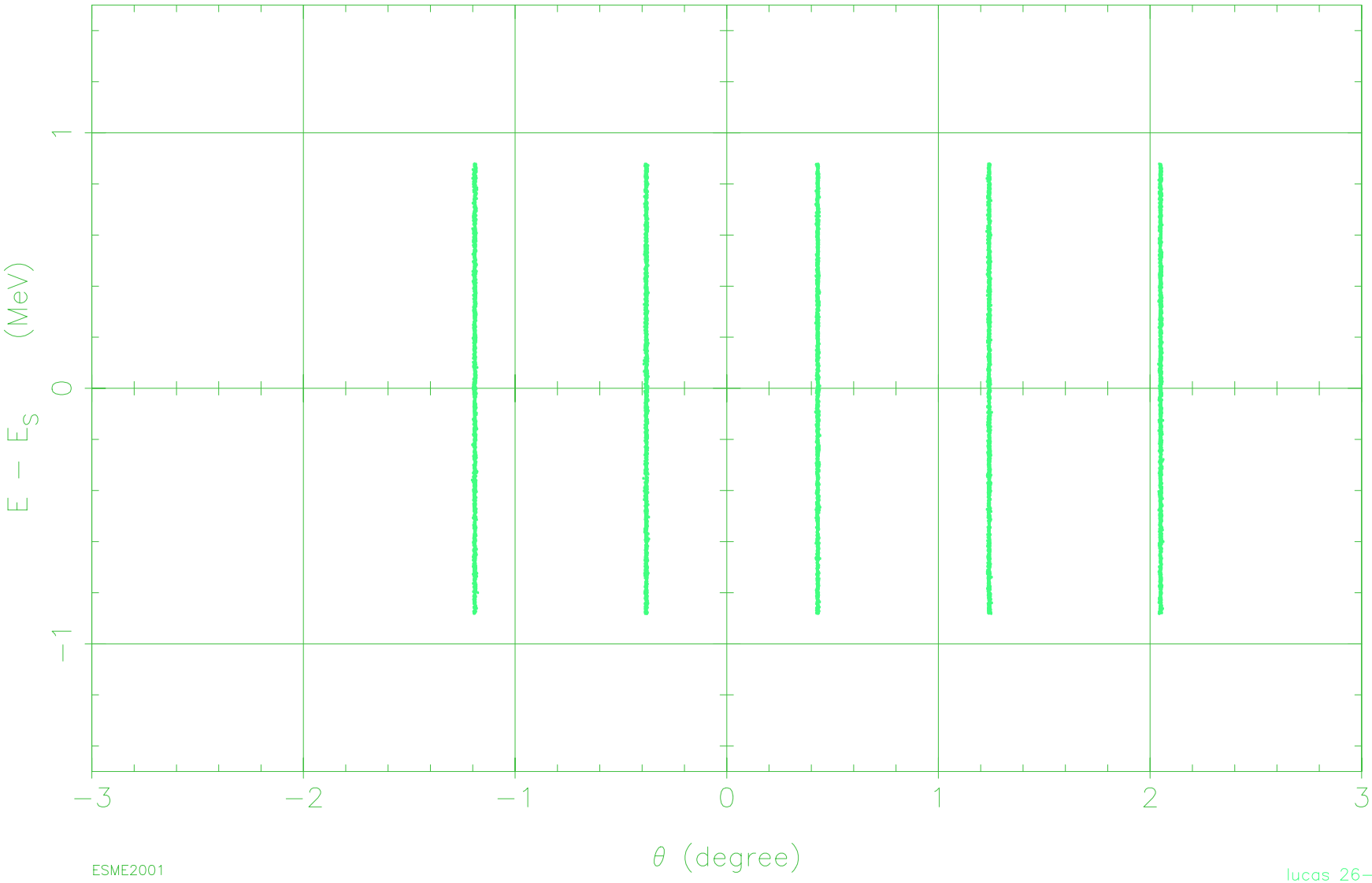
# Generate Micro−Bunches

Iter 0 0.000E+00 sec

| $H_B$ (MeV) | $S_B$ (eV s) | $E_S$ (MeV) | h | V (MV) | $\psi$ (deg) |
|---|---|---|---|---|---|
| 8.2209E−01 | 2.7641E−02 | 1.3383E+03 | 84 | 6.000E−02 | 0.000E+00 |
| $\nu_S$ (turn$^{-1}$) | pdot (MeV s$^{-1}$) | $\eta$ | | | |
| 2.3232E−02 | −8.1068E+02 | −4.5783E−01 | | | |
| $\tau$ (s) | $S_b$ (eV s) | N | | | |
| 2.2182E−06 | 1.1208E−02 | 12500 | | | |

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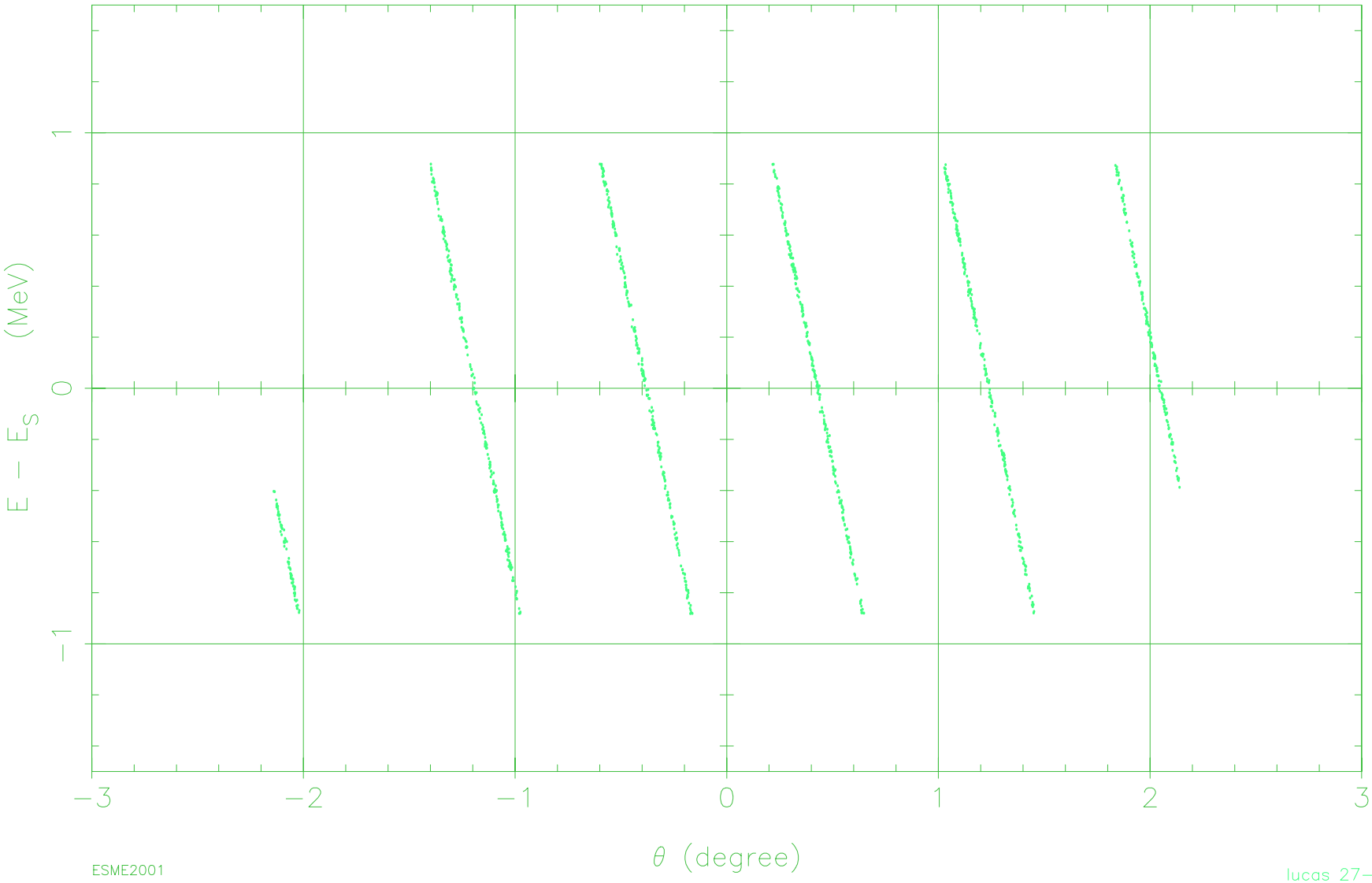
# Booster RF Capture, Microbunches Painted

Iter 1 2.218E−06 sec

| $H_B$ (MeV) | $S_B$ (eV s) | $E_S$ (MeV) | h | V (MV) | $\psi$ (deg) |
|---|---|---|---|---|---|
| 0.0000E+00 | 0.0000E+00 | 1.3383E+03 | 84 | 0.000E+00 | 0.000E+00 |
| $\nu_S$ (turn$^{-1}$) | pdot (MeV s$^{-1}$) | $\eta$ | | | |
| 0.0000E+00 | 0.0000E+00 | −4.5783E−01 | | | |
| $\tau$ (s) | $S_b$ (eV s) | N | | | |
| 2.2182E−06 | 1.1638E−02 | 12499 | | | |

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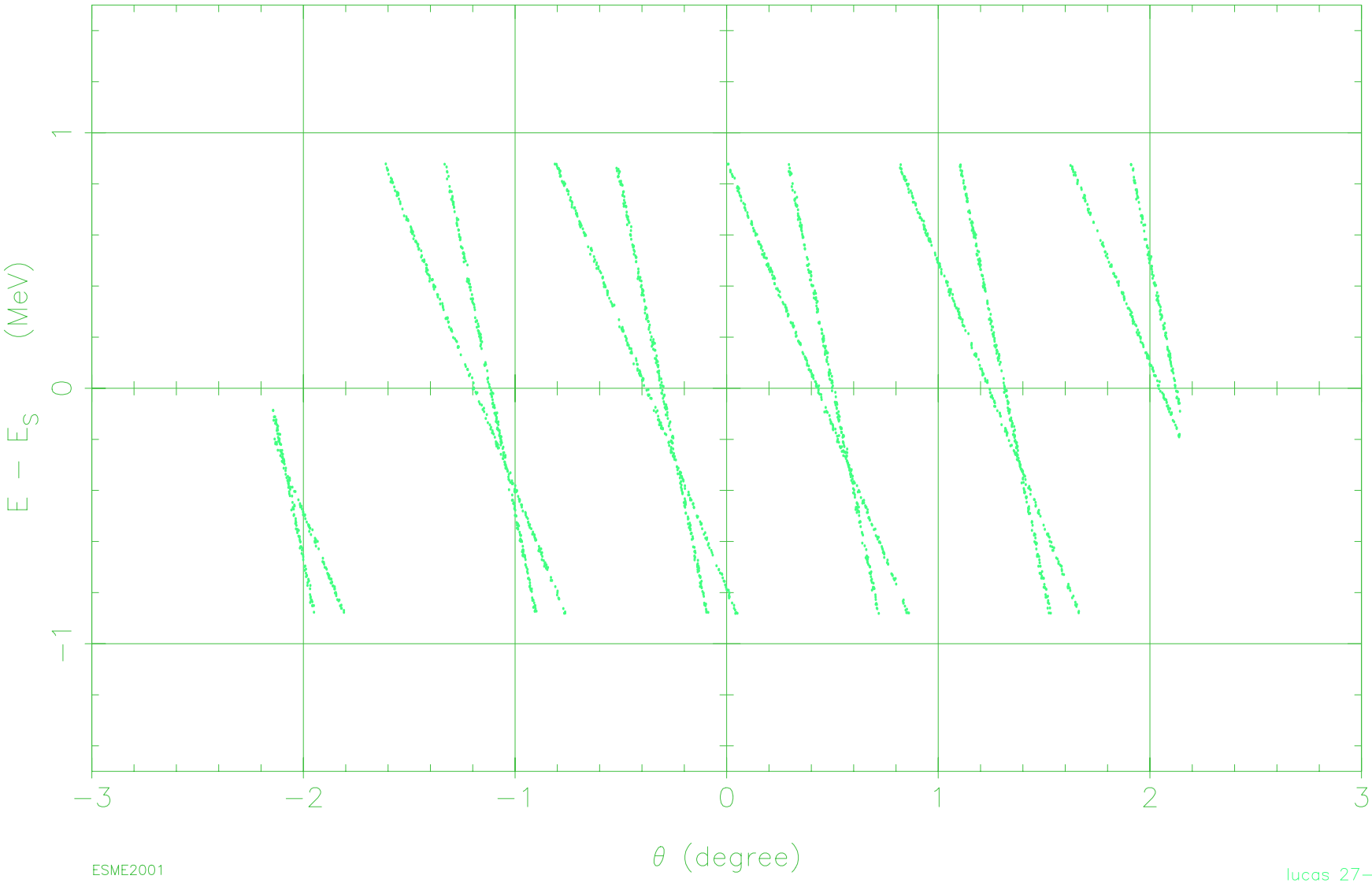
# Booster RF Capture, Microbunches Painted

Iter 2 4.436E−06 sec

| $H_B$ (MeV) | $S_B$ (eV s) | $E_S$ (MeV) | h | V (MV) | $\psi$ (deg) |
|---|---|---|---|---|---|
| 0.0000E+00 | 0.0000E+00 | 1.3383E+03 | 84 | 0.000E+00 | 0.000E+00 |
| $\nu_S$ (turn$^{-1}$) | pdot (MeV s$^{-1}$) | $\eta$ | | | |
| 0.0000E+00 | 0.0000E+00 | −4.5783E−01 | | | |
| $\tau$ (s) | $S_b$ (eV s) | N | | | |
| 2.2182E−06 | 1.1707E−02 | 24998 | | | |

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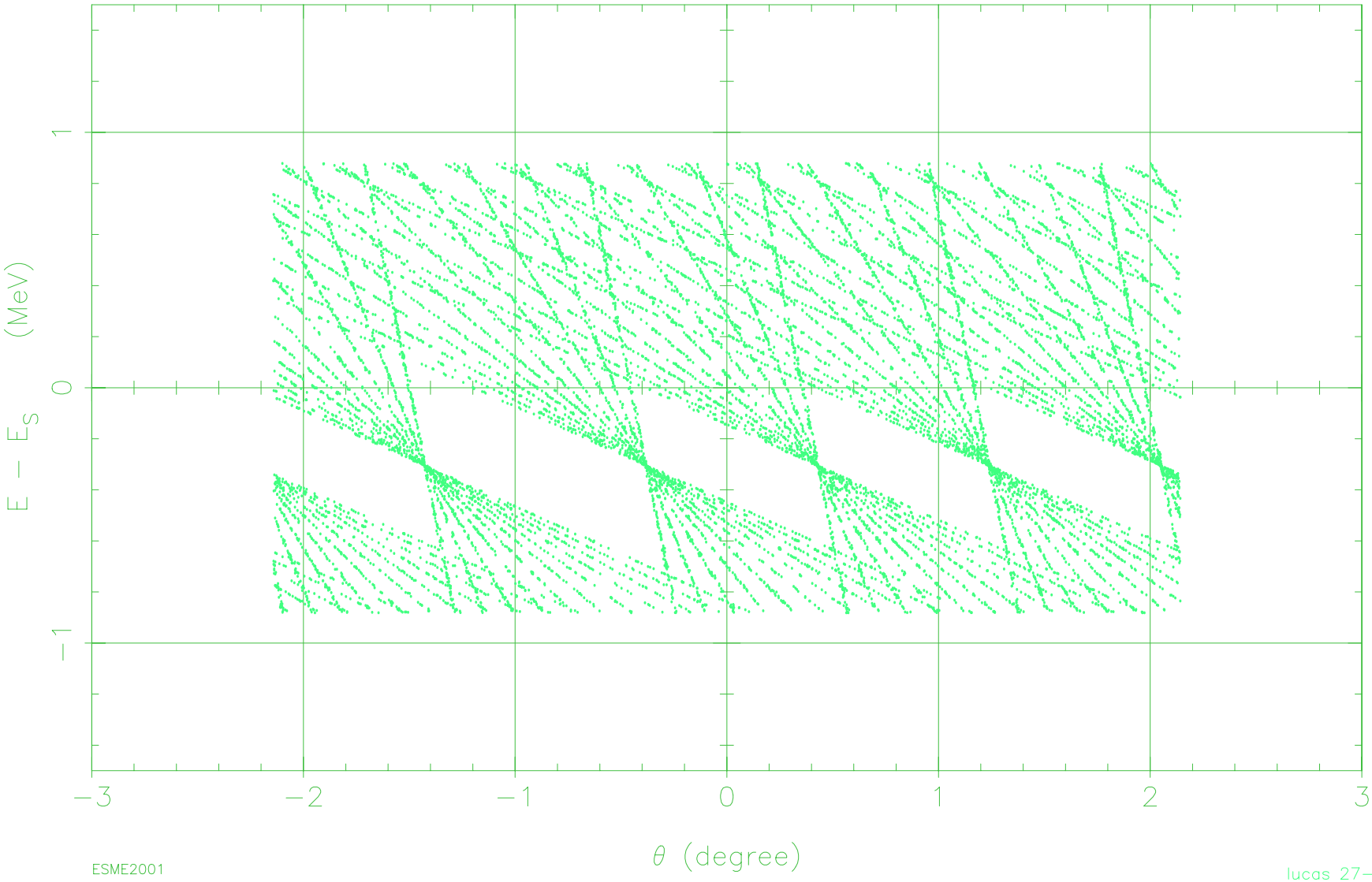
# Booster RF Capture, Microbunches Painted

Iter 11 2.440E−05 sec

| $H_B$ (MeV) | $S_B$ (eV s) | $E_S$ (MeV) | h | V (MV) | $\psi$ (deg) |
|---|---|---|---|---|---|
| 0.0000E+00 | 0.0000E+00 | 1.3383E+03 | 84 | 0.000E+00 | 0.000E+00 |
| $\nu_S$ (turn$^{-1}$) | pdot (MeV s$^{-1}$) | $\eta$ | | | |
| 0.0000E+00 | 0.0000E+00 | −4.5783E−01 | | | |
| $\tau$ (s) | $S_b$ (eV s) | N | | | |
| 2.2182E−06 | 1.2076E−02 | 137489 | | | |

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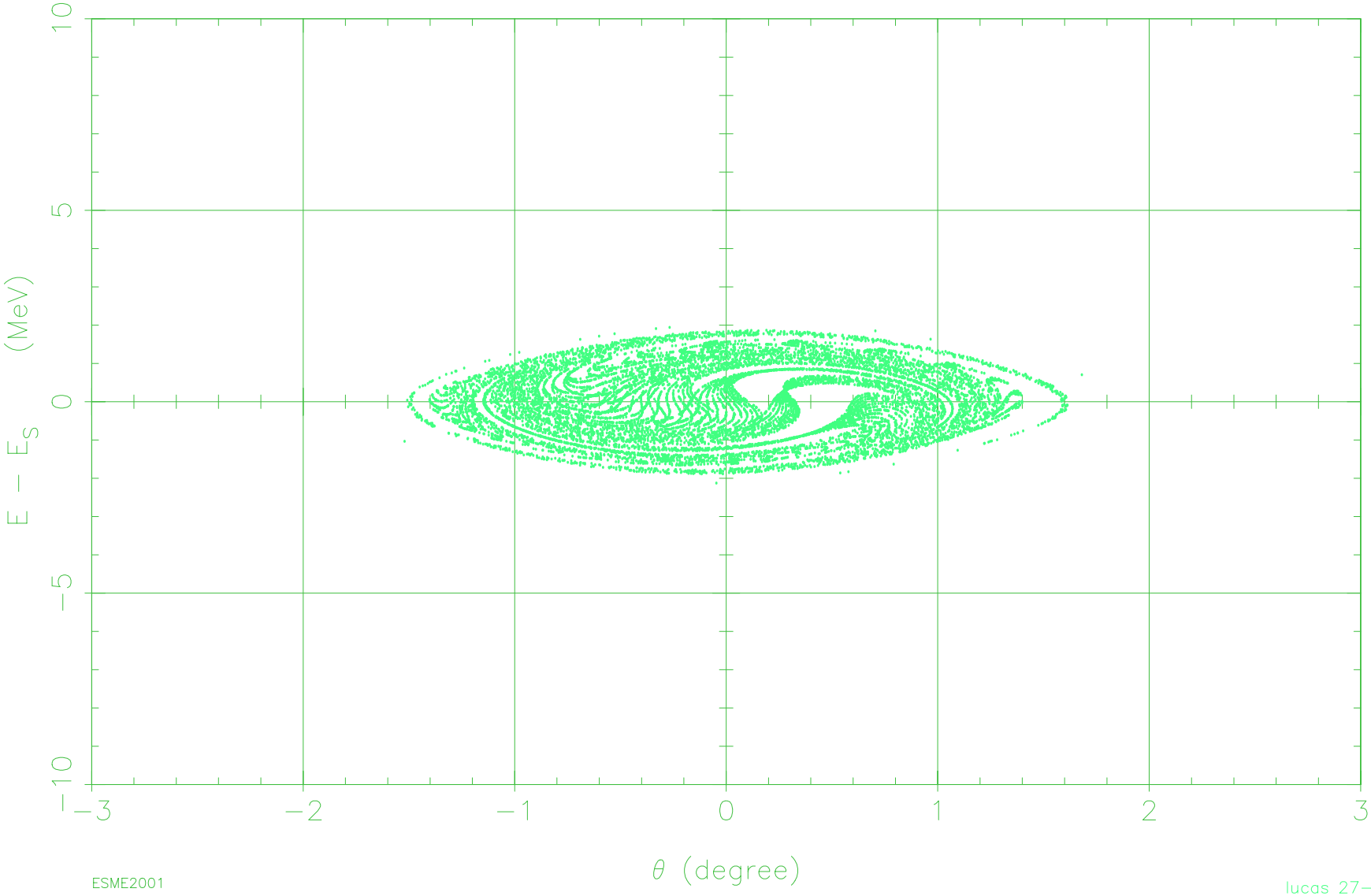
# Booster RF Capture, Microbunches Painted

Iter 46 1.020E−04 sec

| $H_B$ (MeV) | $S_B$ (eV s) | $E_S$ (MeV) | h | V (MV) | $\psi$ (deg) |
|---|---|---|---|---|---|
| 2.1511E+00 | 7.1181E−02 | 1.3384E+03 | 84 | 4.163E−01 | 4.814E−01 |
| $\nu_S$ (turn$^{-1}$) | pdot (MeV s$^{-1}$) | $\eta$ | | | |
| 6.1179E−02 | 2.2110E+03 | −4.5776E−01 | | | |
| $\tau$ (s) | $S_b$ (eV s) | N | | | |
| 2.2181E−06 | 1.1865E−02 | 137489 | | | |

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