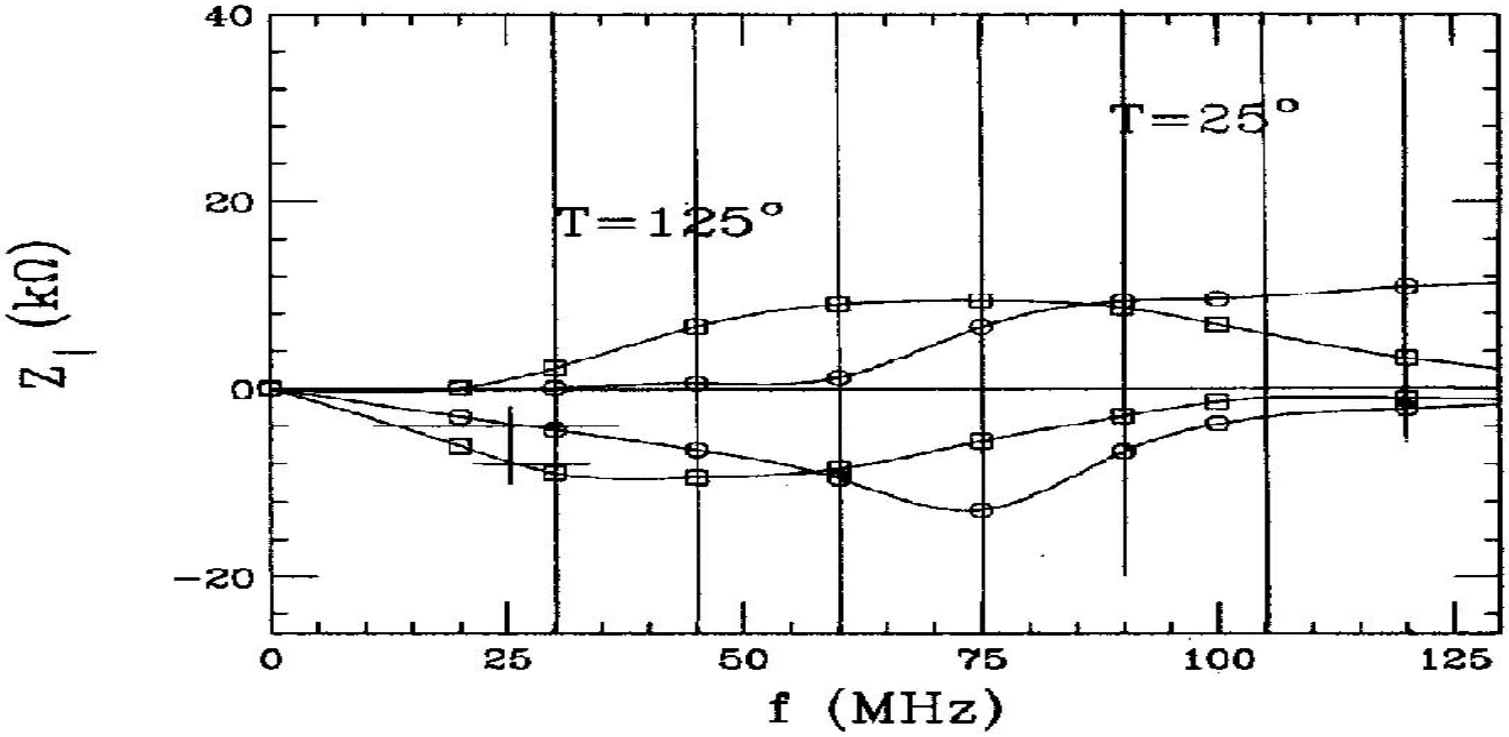
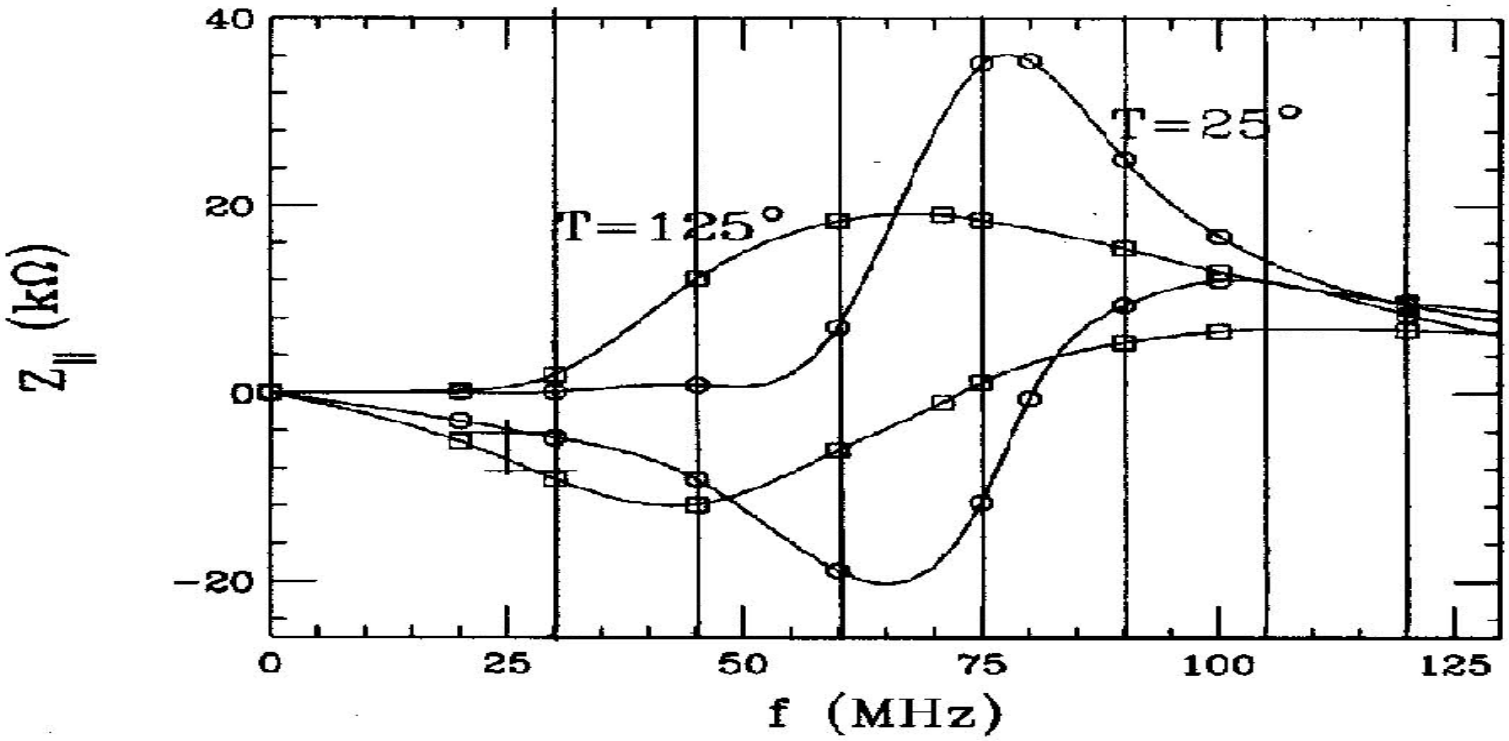
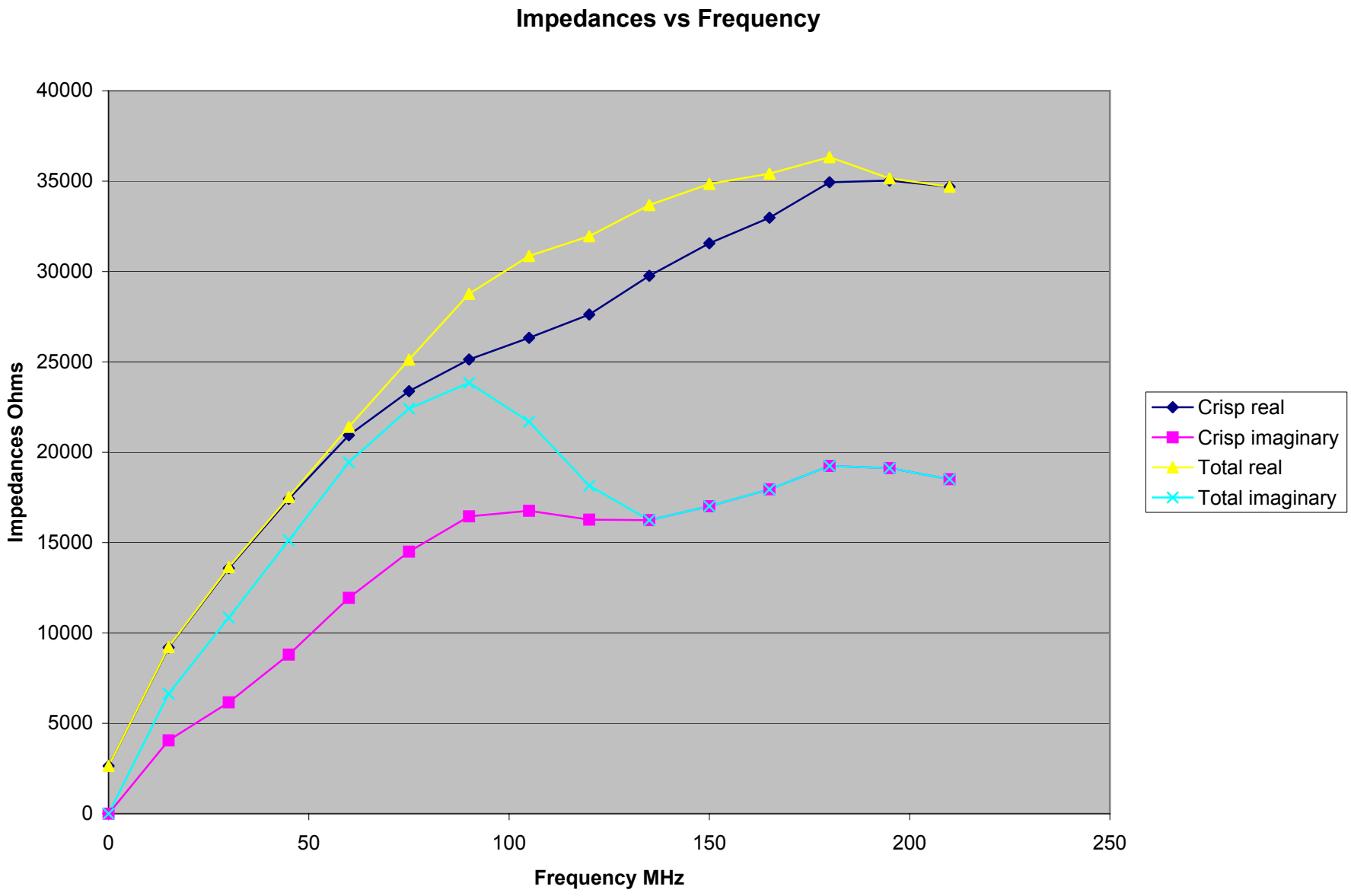
Z-psr [2] Weldman data



Z-psr [1] Land data

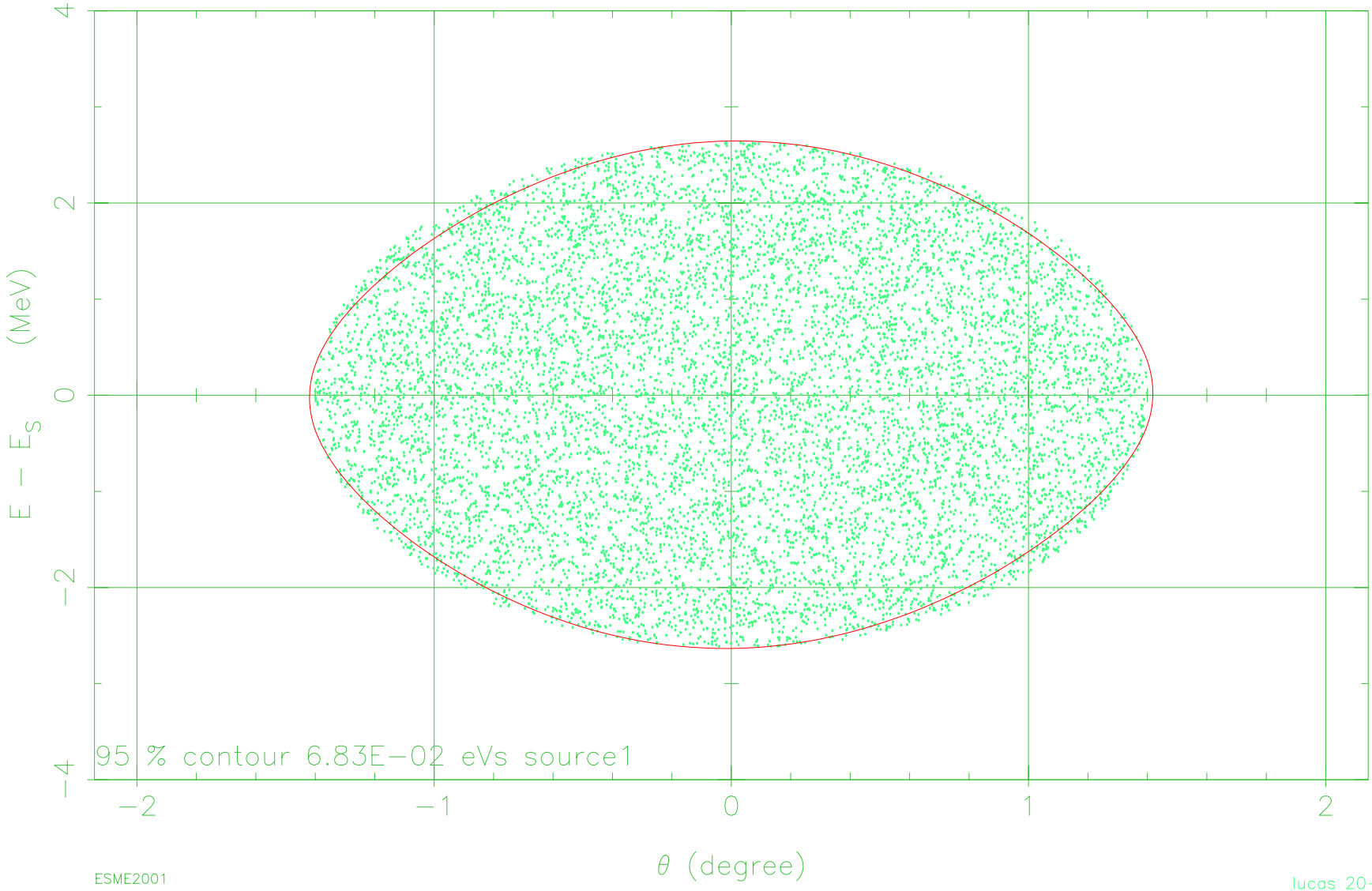



Impedances vs Frequency
Impedances Ohms
40000
35000
30000
25000
20000
15000
10000
5000
0
0
50
100
150
200
250
Frequency MHz
Crisp real
Crisp imaginary
Total real
Total imaginary

Evaluate inductive inserts (Sigma7 SC only 9)

Iter 0 0.000E+00 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
3.0623E+00	1.0255E−01	1.3383E+03	84	8.450E−01	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
8.7184E−02	−8.1068E+02	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	1.7888E−02	1000000			



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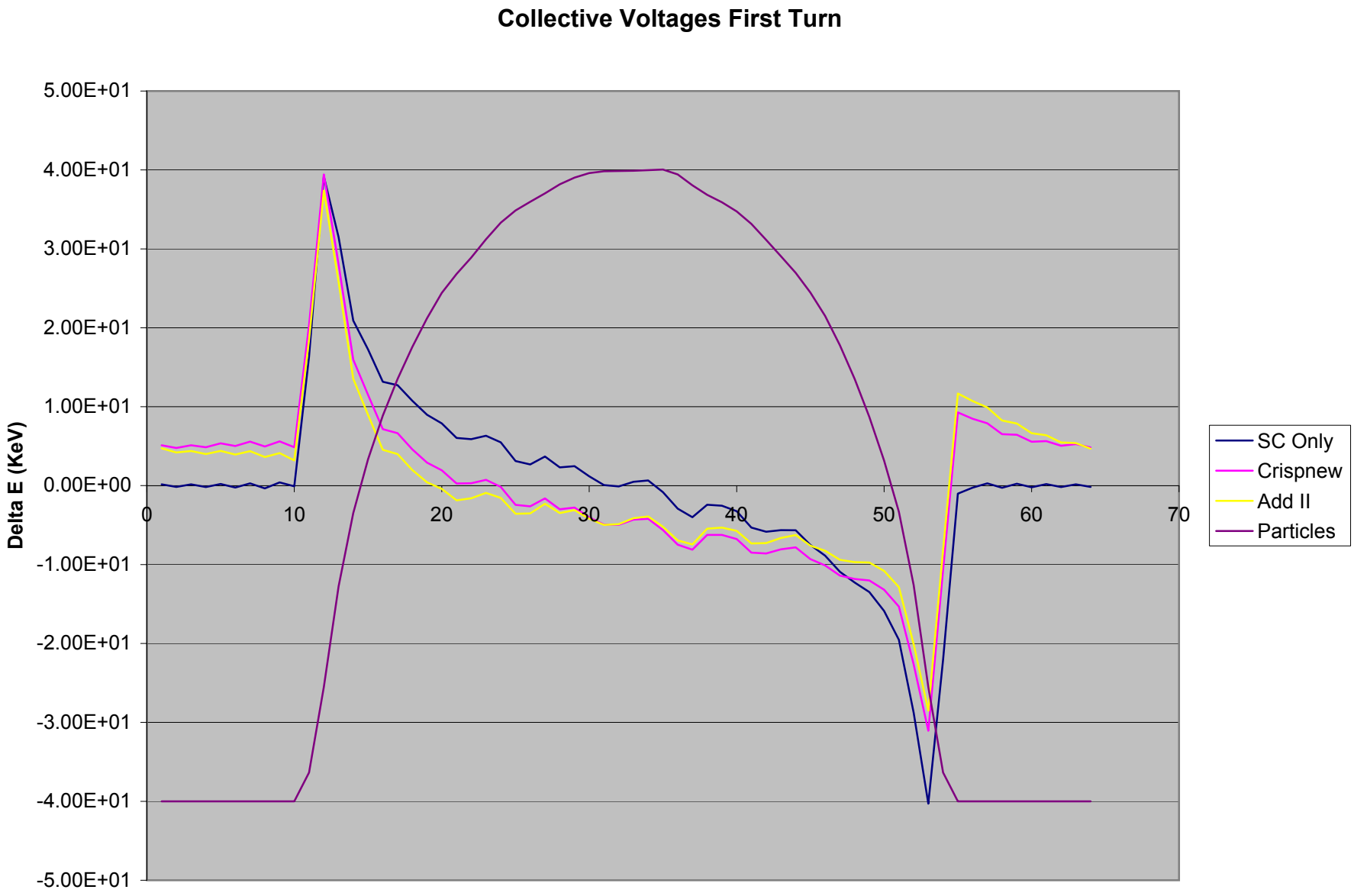
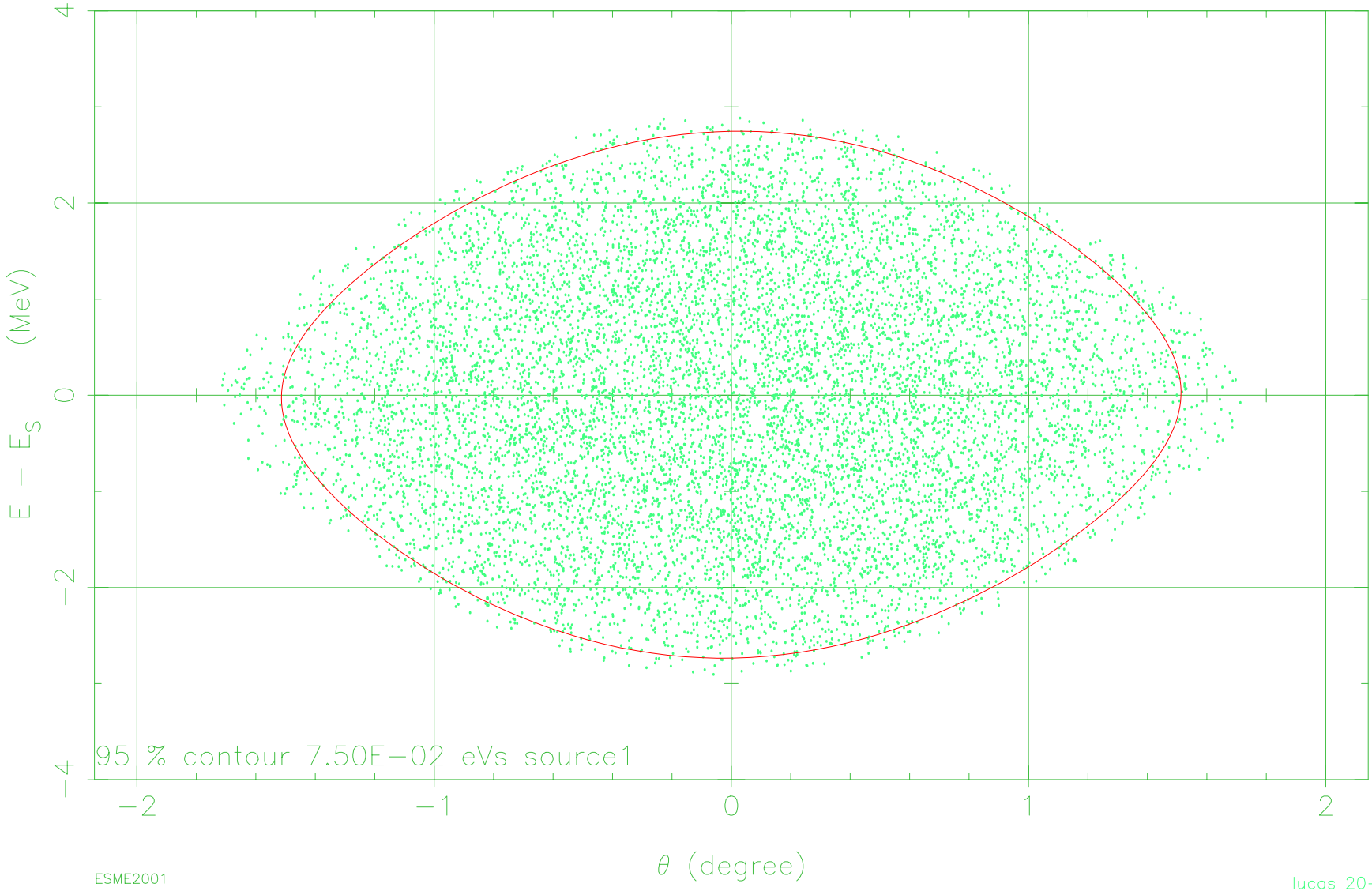

Collective Voltages First Turn
Delta E (KeV)
5.00E+01
4.00E+01
3.00E+01
2.00E+01
1.00E+01
0.00E+00
-1.00E+01
-2.00E+01
-3.00E+01
-4.00E+01
-5.00E+01
0
10
20
30
40
50
60
70
SC Only
Crispnew
Add II
Particles

Evaluate inductive inserts (Sigma7 SC only 14)

Iter 0 0.000E+00 sec

H_B (MeV)	S_B (eV s)	E_S (MeV)	h	V (MV)	ψ (deg)
3.0600E+00	1.0248E−01	1.3383E+03	84	8.450E−01	0.000E+00
ν_S (turn^{-1})	pdot (MeV s^{-1})	η			
8.7184E−02	−8.1068E+02	−4.5783E−01			
τ (s)	S_b (eV s)	N			
2.2182E−06	1.7460E−02	1000000			



ESME2001

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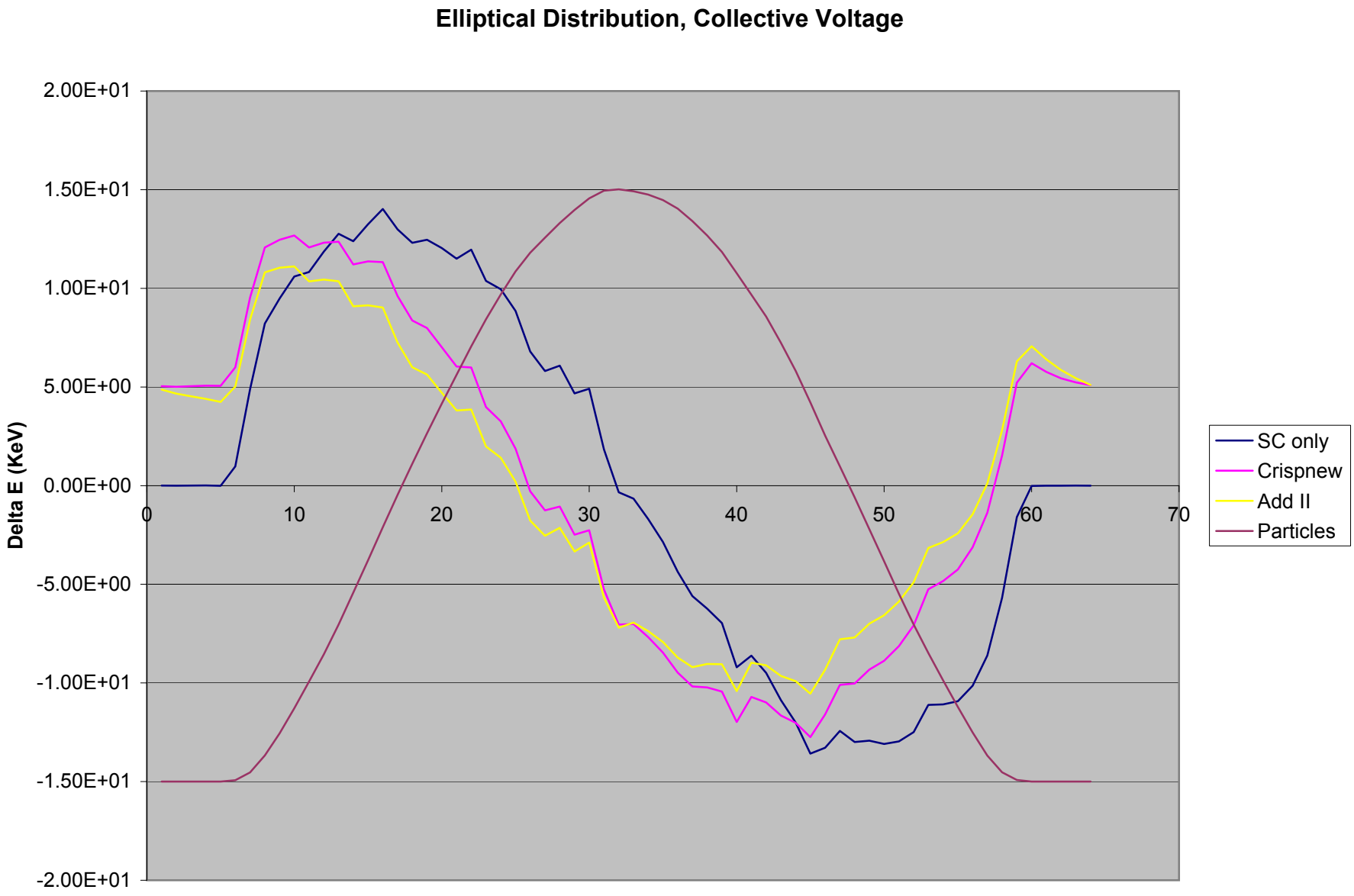
Elliptical Distribution, Collective Voltage
Delta E (KeV)
2.00E+01
1.50E+01
1.00E+01
5.00E+00
0.00E+00
-5.00E+00
-1.00E+01
-1.50E+01
-2.00E+01
0
10
20
30
40
50
60
70
SC only
Crispnew
Add II
Particles