Wehrl Entropy

$$\gamma_x \gamma_y = \left(\frac{2j-1}{2j-N} \right)^2$$

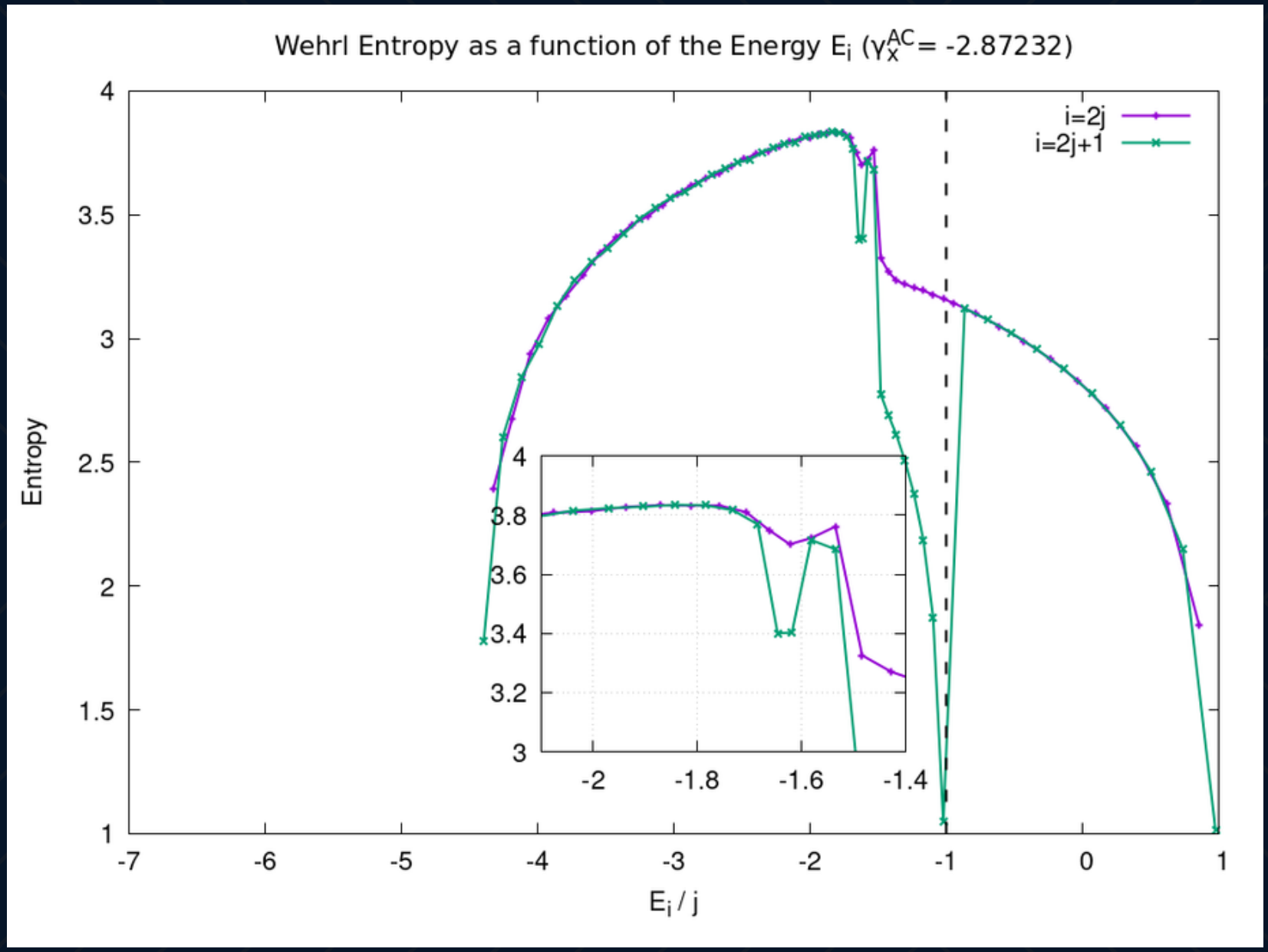
Parameters:

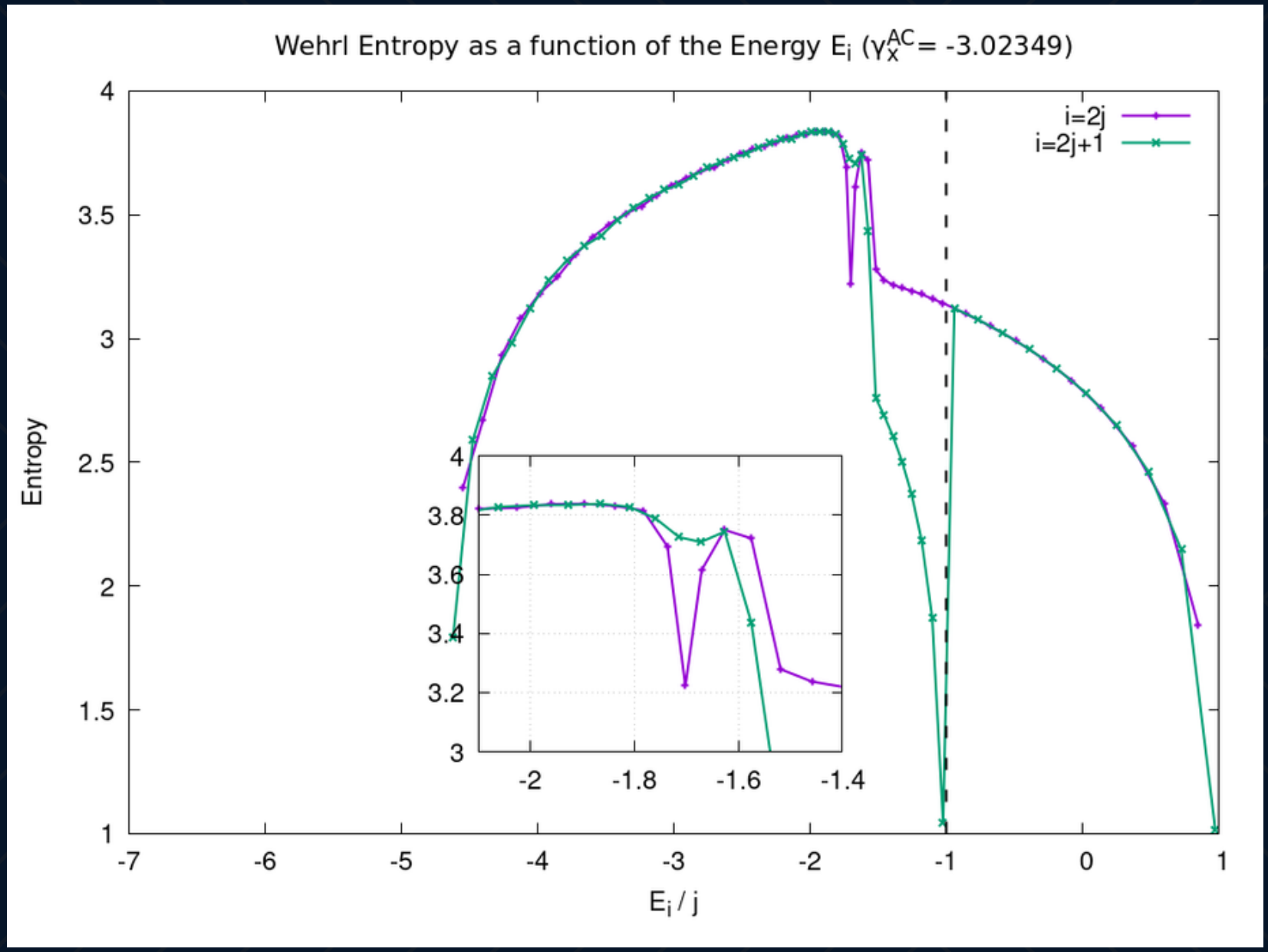
$$j = 100$$

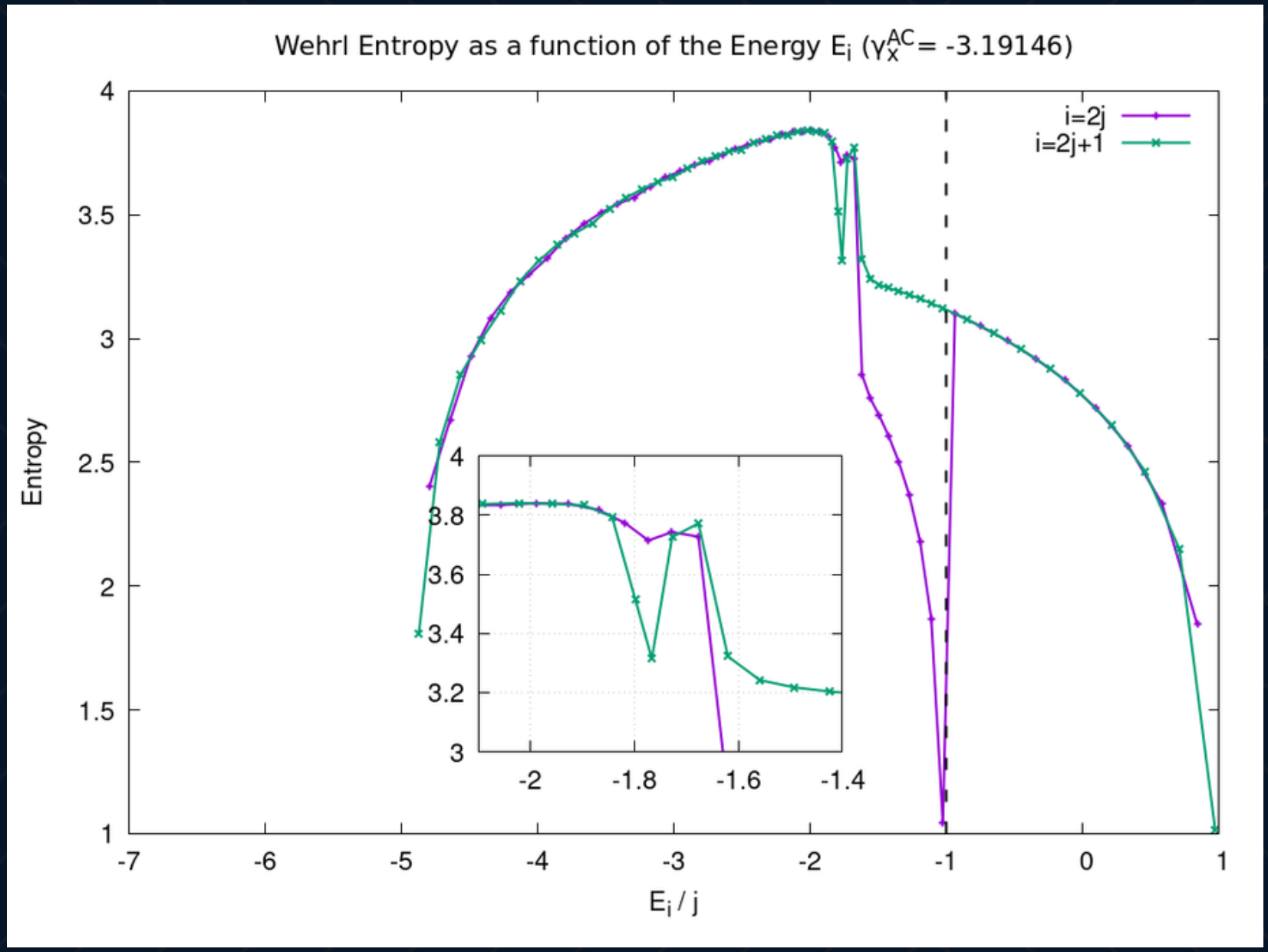
$$\epsilon_0 = 1$$

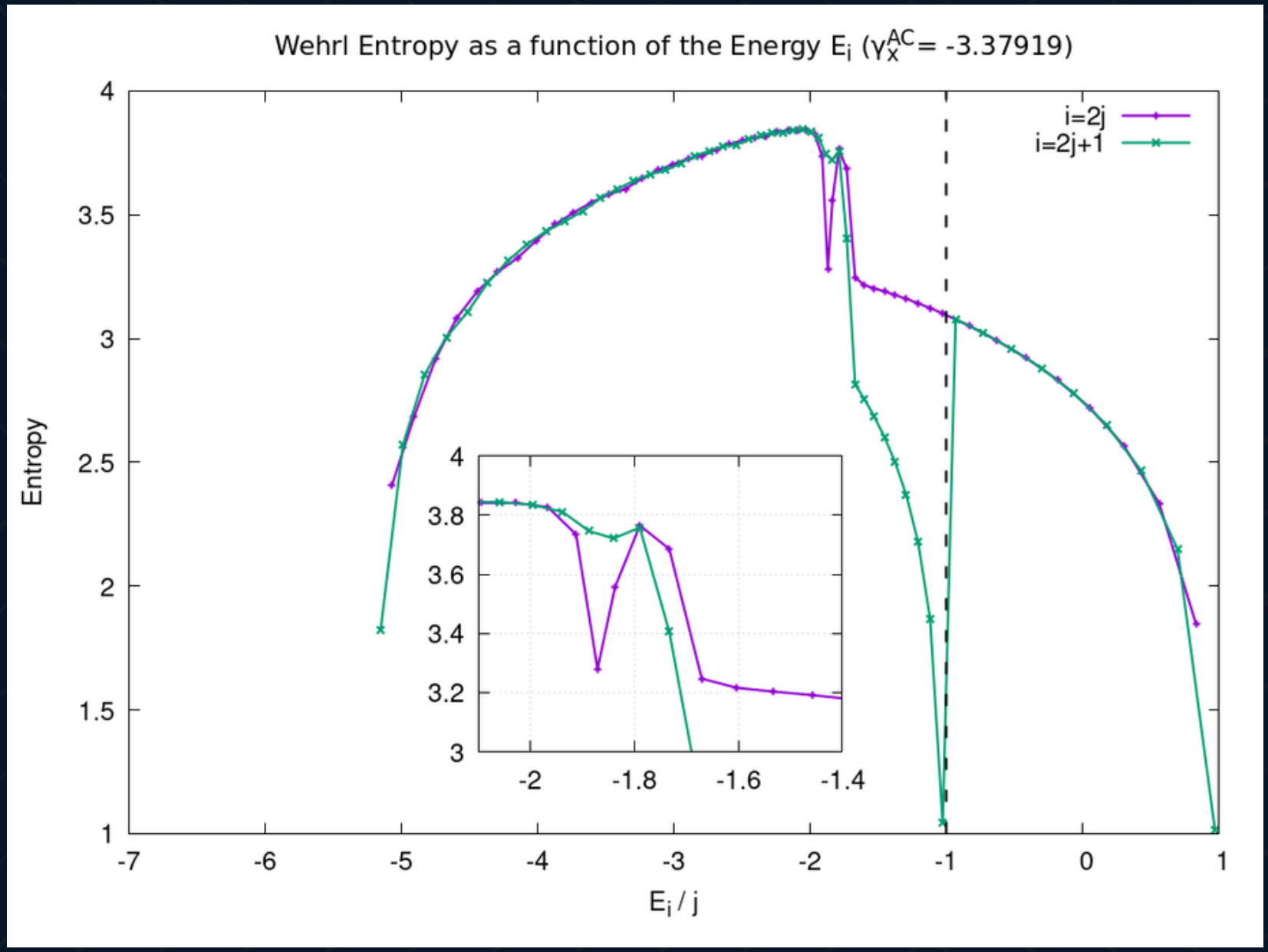
$$\gamma_y = 3\gamma_x$$

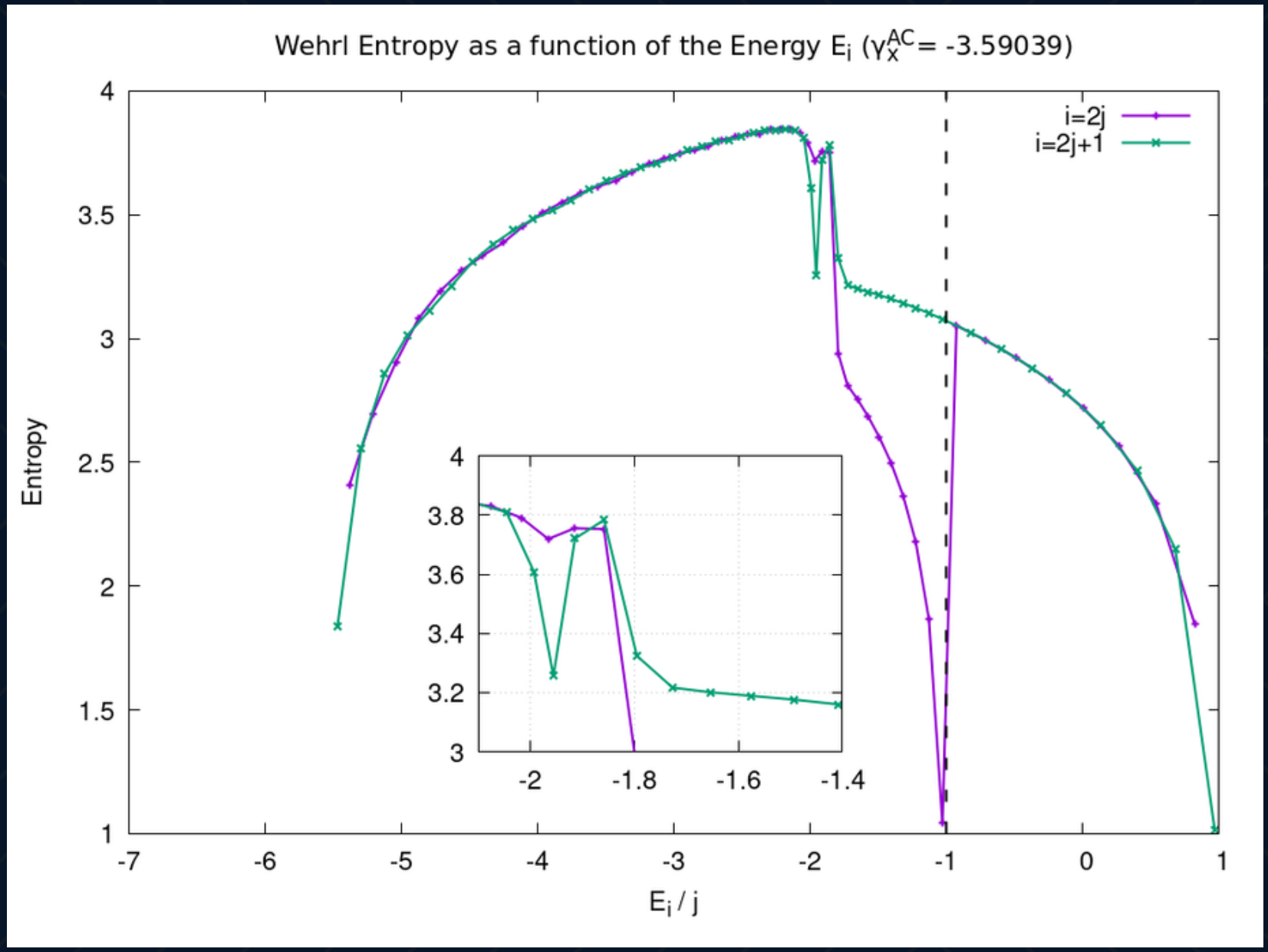
$N(even)$	γx
160	-2.87232
162	-3.02349
164	-3.19146
166	-3.37919
168	-3.59039
170	-3.82976
172	-4.10331
174	-4.41895
176	-4.78719
178	-5.22239
180	-5.74463
182	-6.38293
184	-7.18079

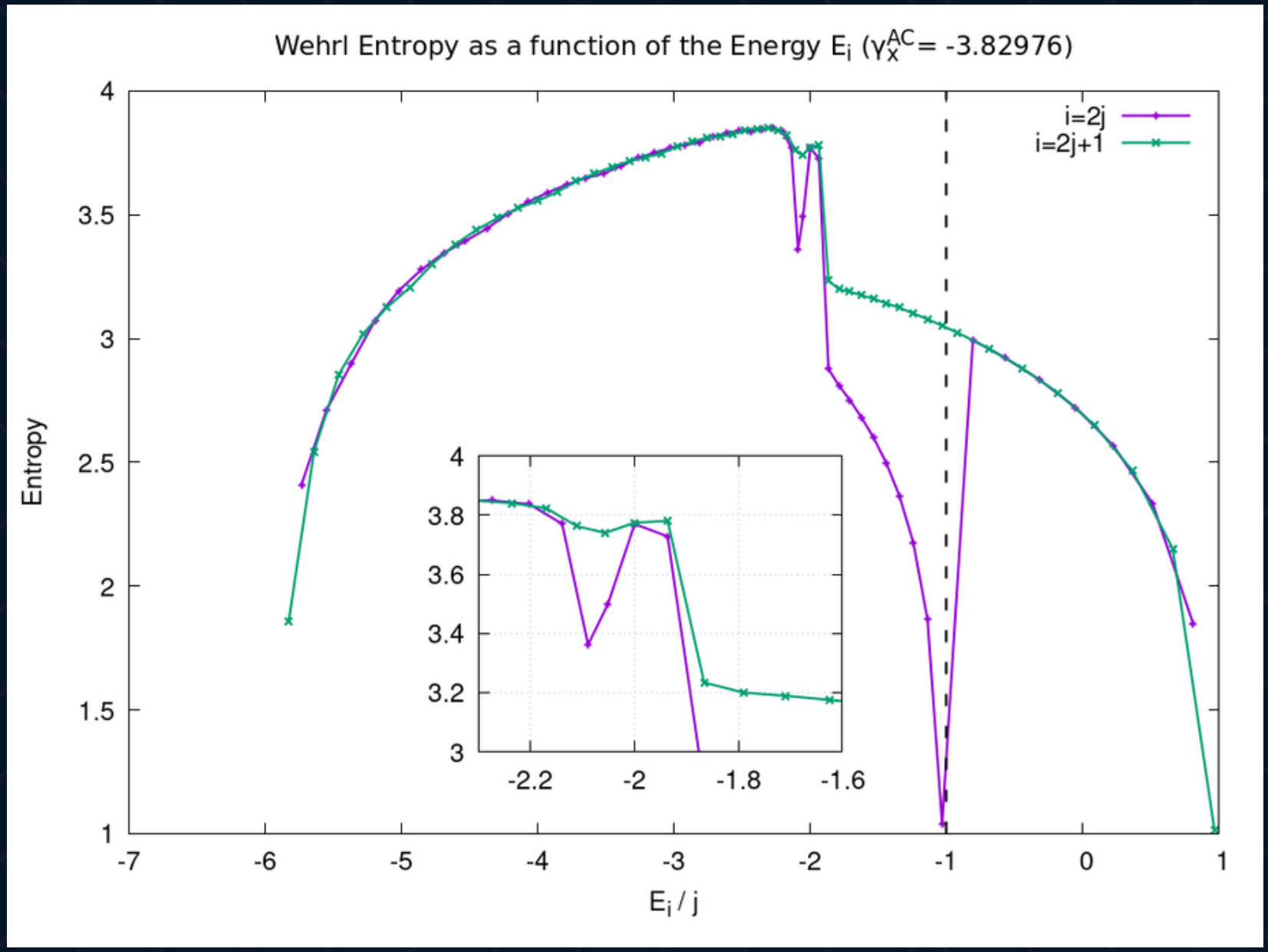

Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -2.87232)
i=2j
i=2j+1
Entropy
E_i / j
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-2
-1.8
-1.6
-1.4

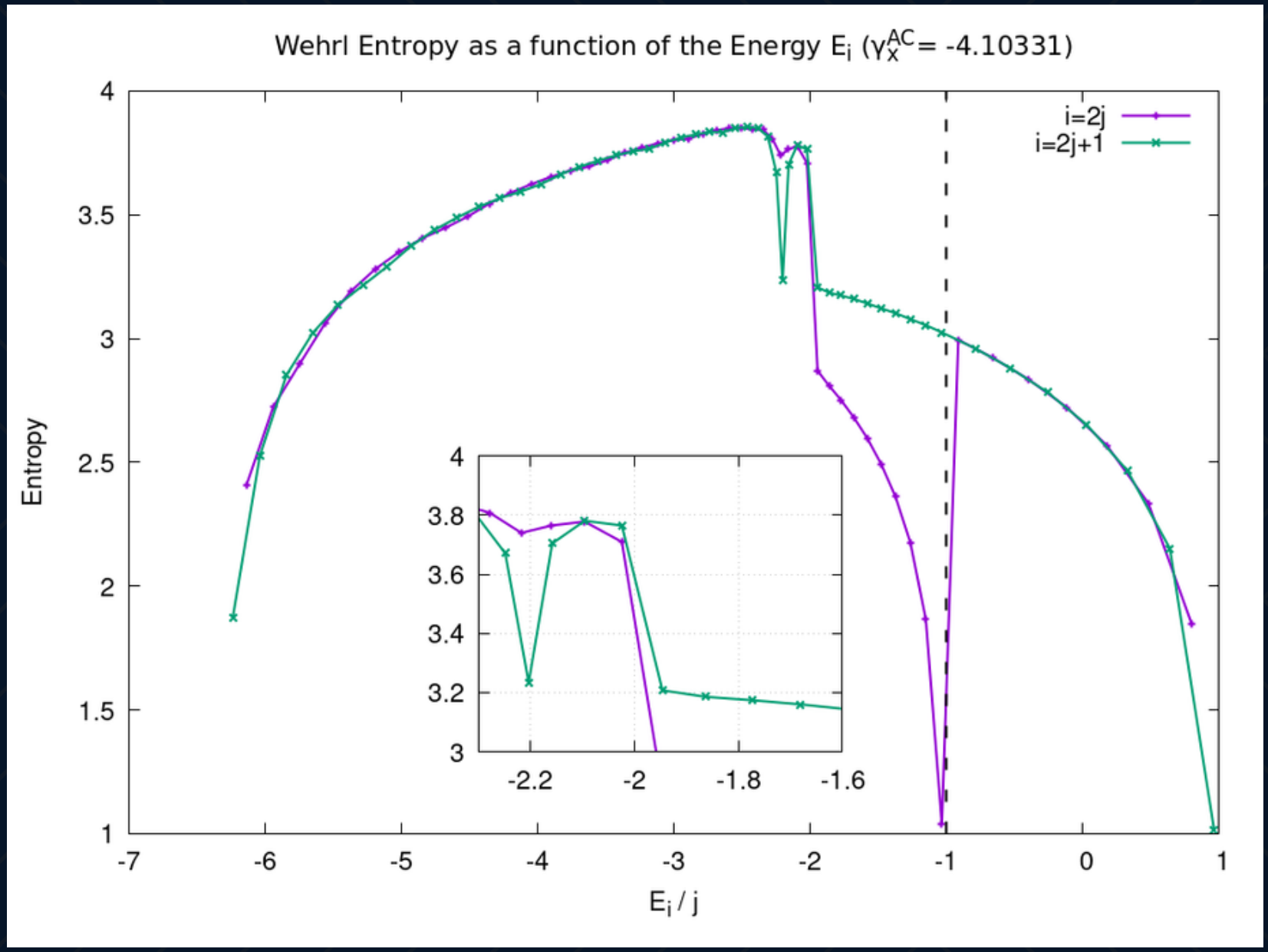

Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -3.02349)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-2
-1.8
-1.6
-1.4

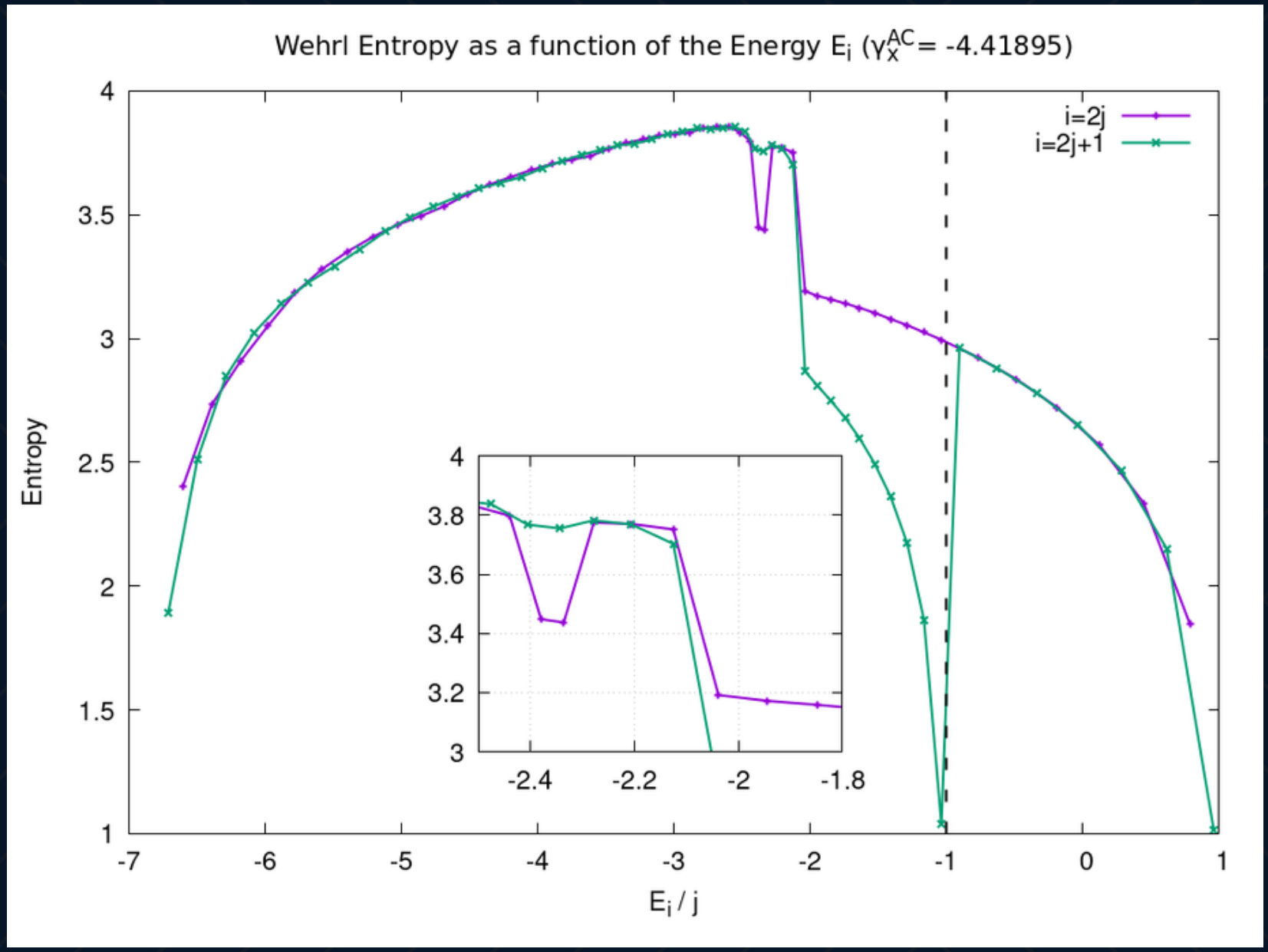

Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -3.19146)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-2
-1.8
-1.6
-1.4

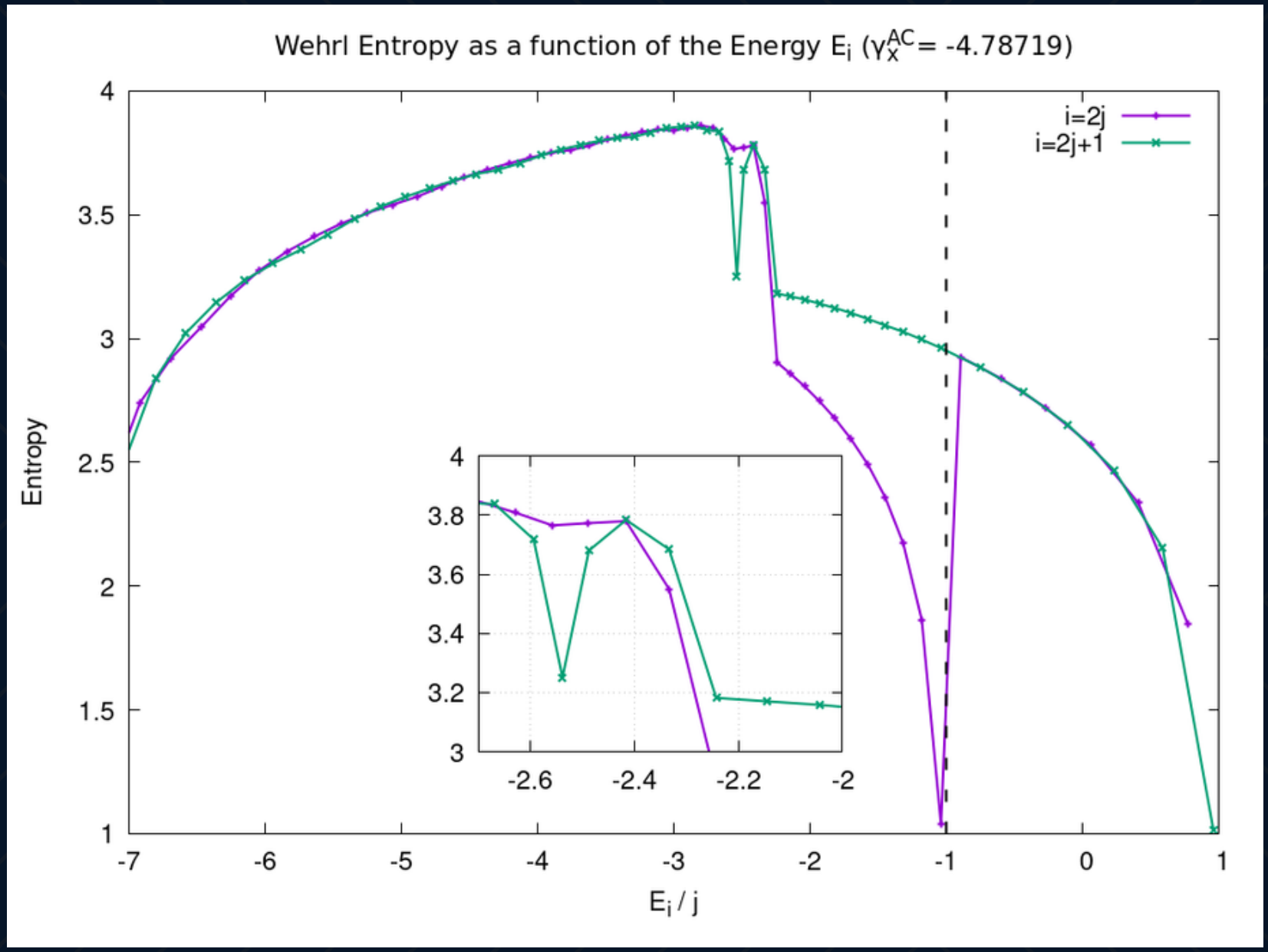

Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -3.37919)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-2
-1.8
-1.6
-1.4

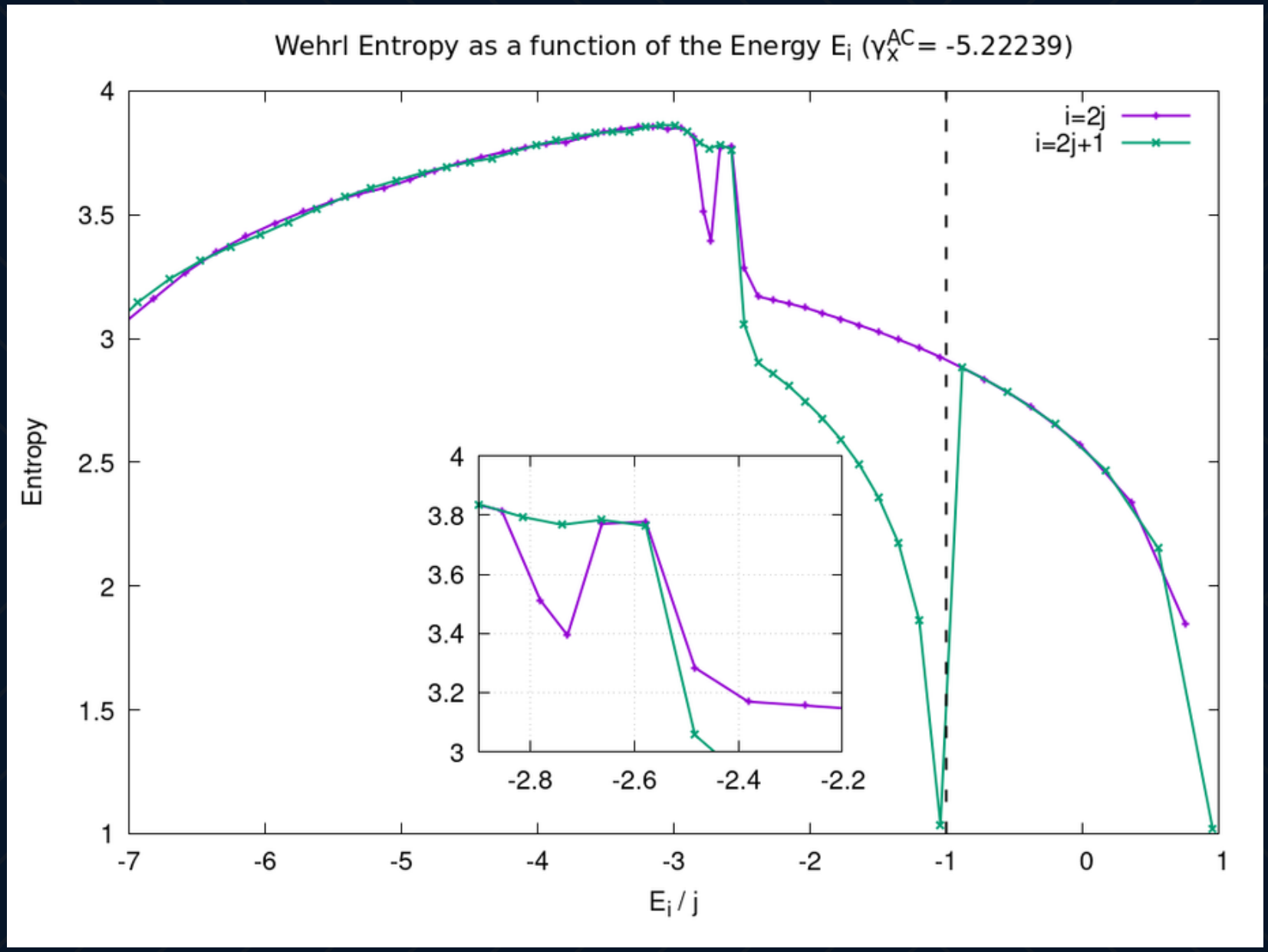

Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -3.59039)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-2
-1.8
-1.6
-1.4

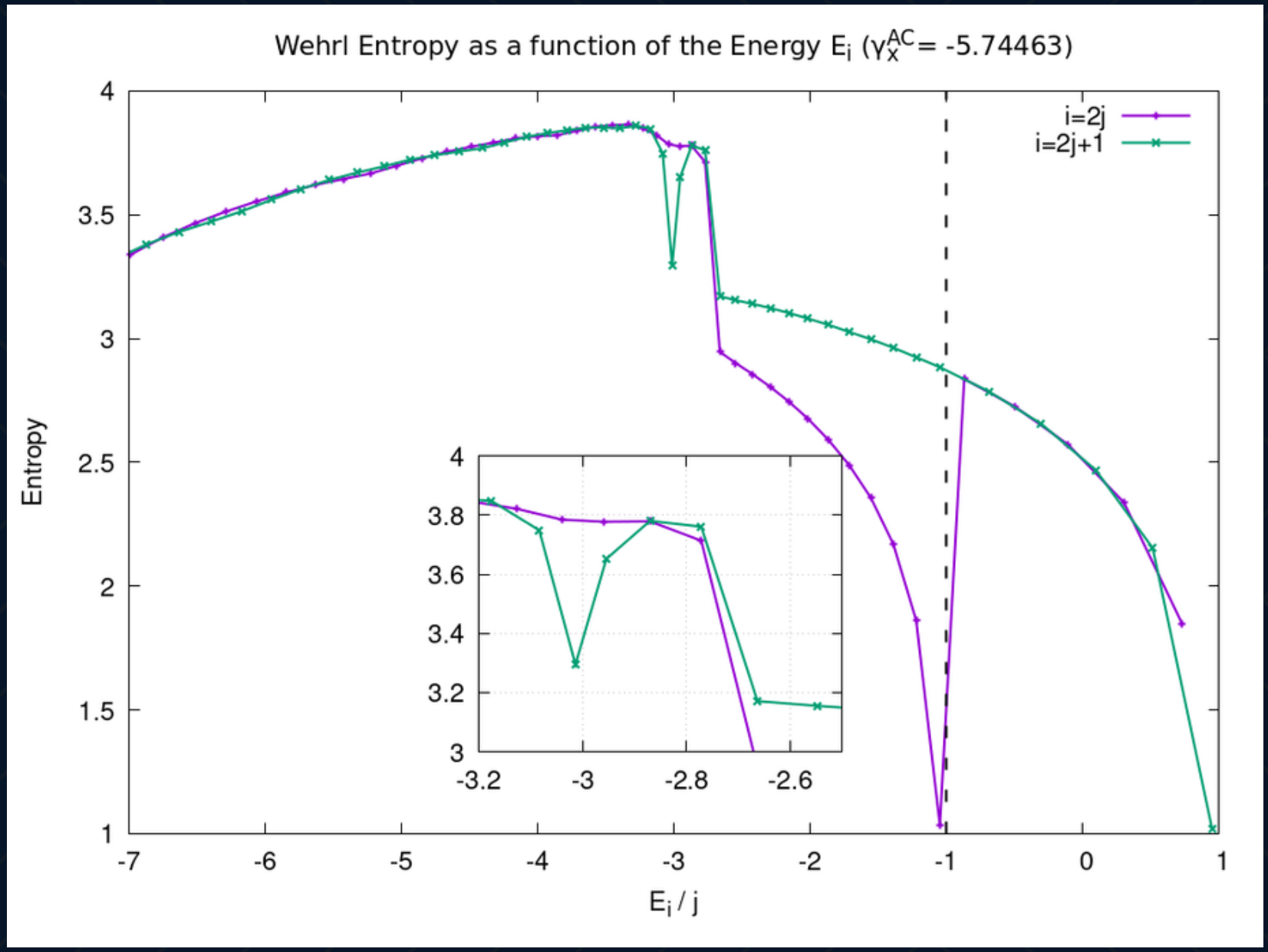

Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -3.82976)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-2.2
-2
-1.8
-1.6

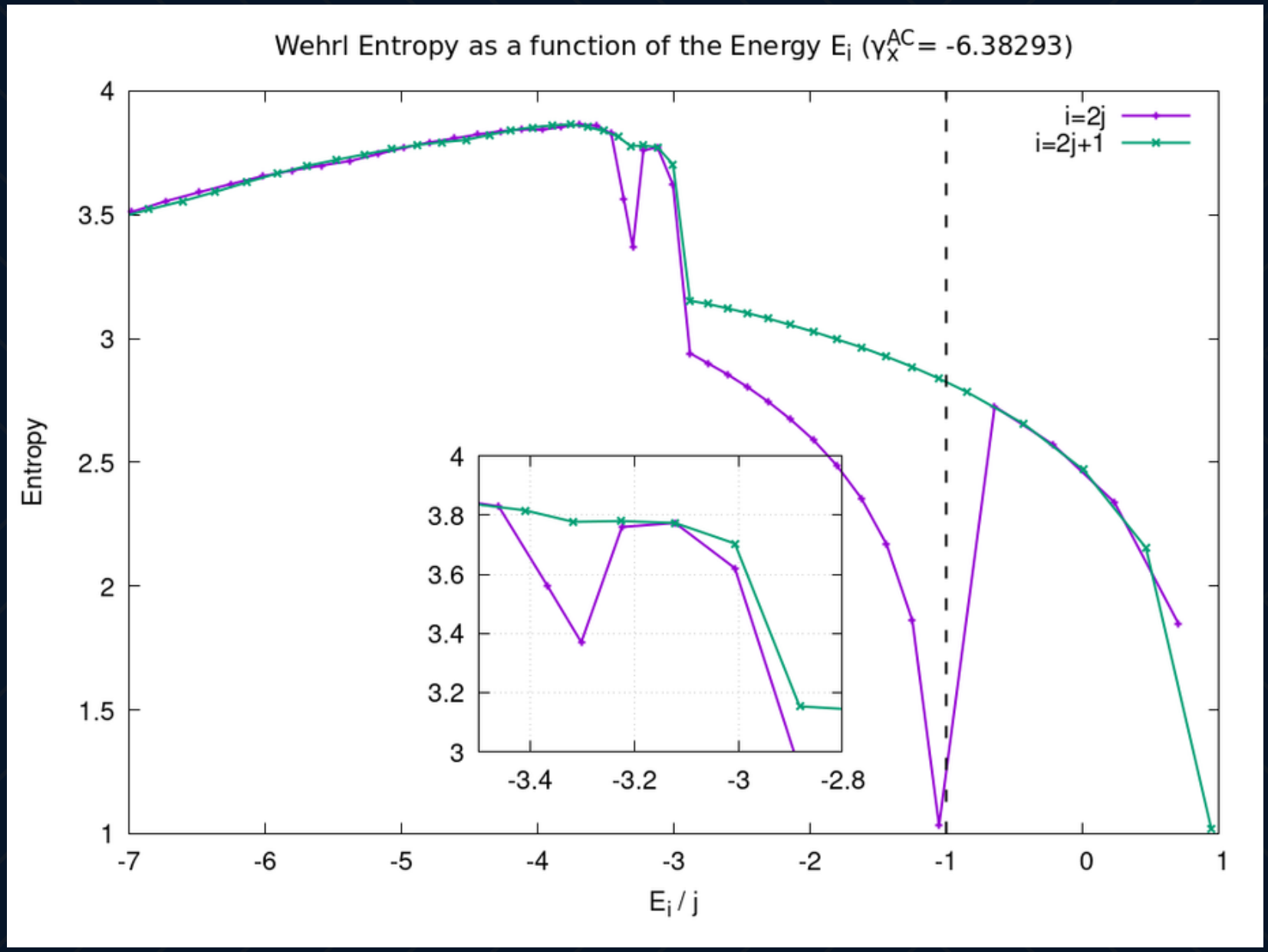

Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -4.10331)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-2.2
-2
-1.8
-1.6

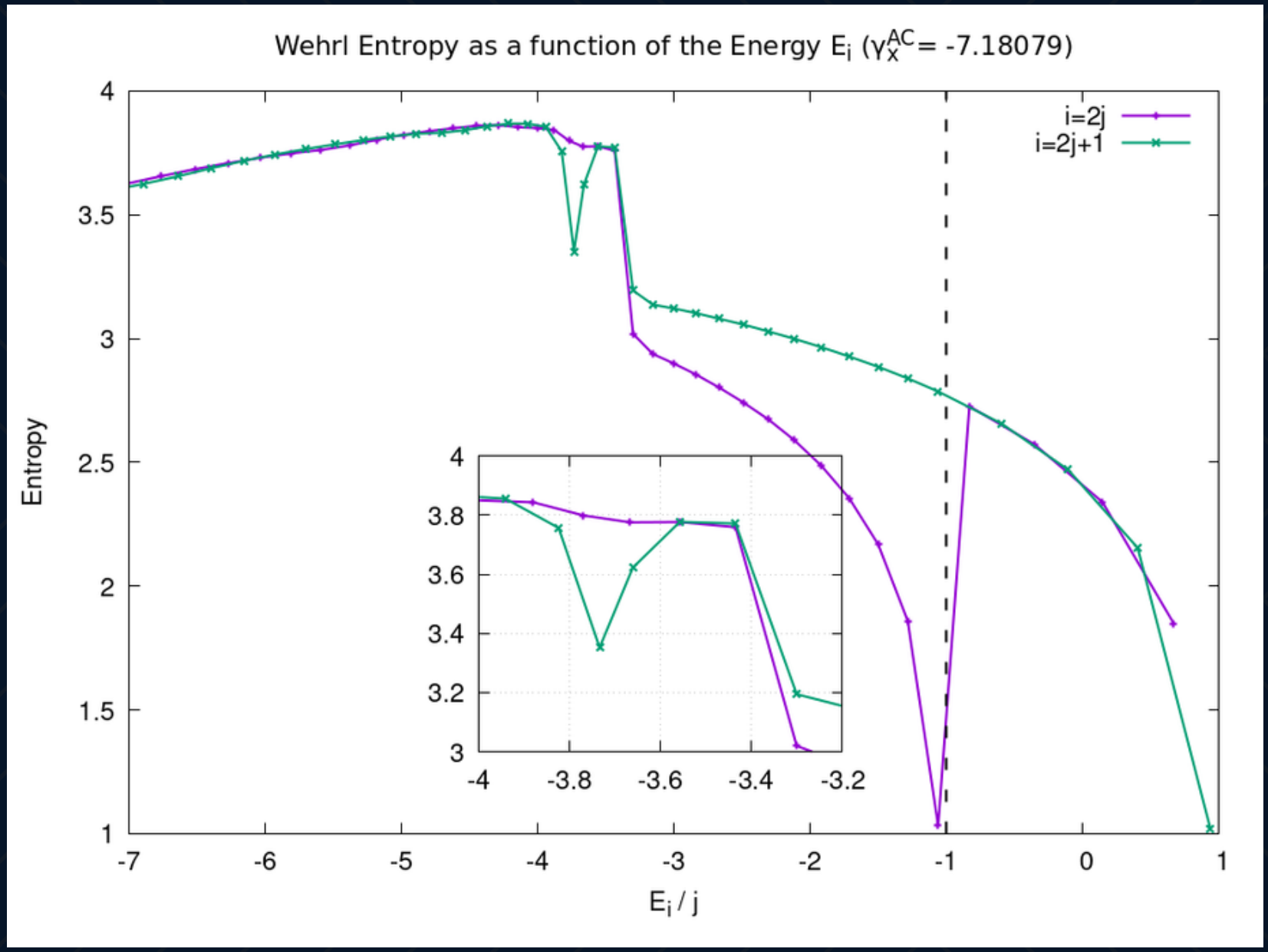

Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -4.41895)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-2.4
-2.2
-2
-1.8


Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -4.78719)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-2.6
-2.4
-2.2
-2


Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -5.22239)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-2.8
-2.6
-2.4
-2.2


Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -5.74463)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-3.2
-3
-2.8
-2.6


Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -6.38293)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-3.4
-3.2
-3
-2.8


Wehrl Entropy as a function of the Energy E_i (γ_x^{AC}= -7.18079)
Entropy
E_i / j
i=2j
i=2j+1
4
3.5
3
2.5
2
1.5
1
-7
-6
-5
-4
-3
-2
-1
0
1
4
3.8
3.6
3.4
3.2
3
-4
-3.8
-3.6
-3.4
-3.2