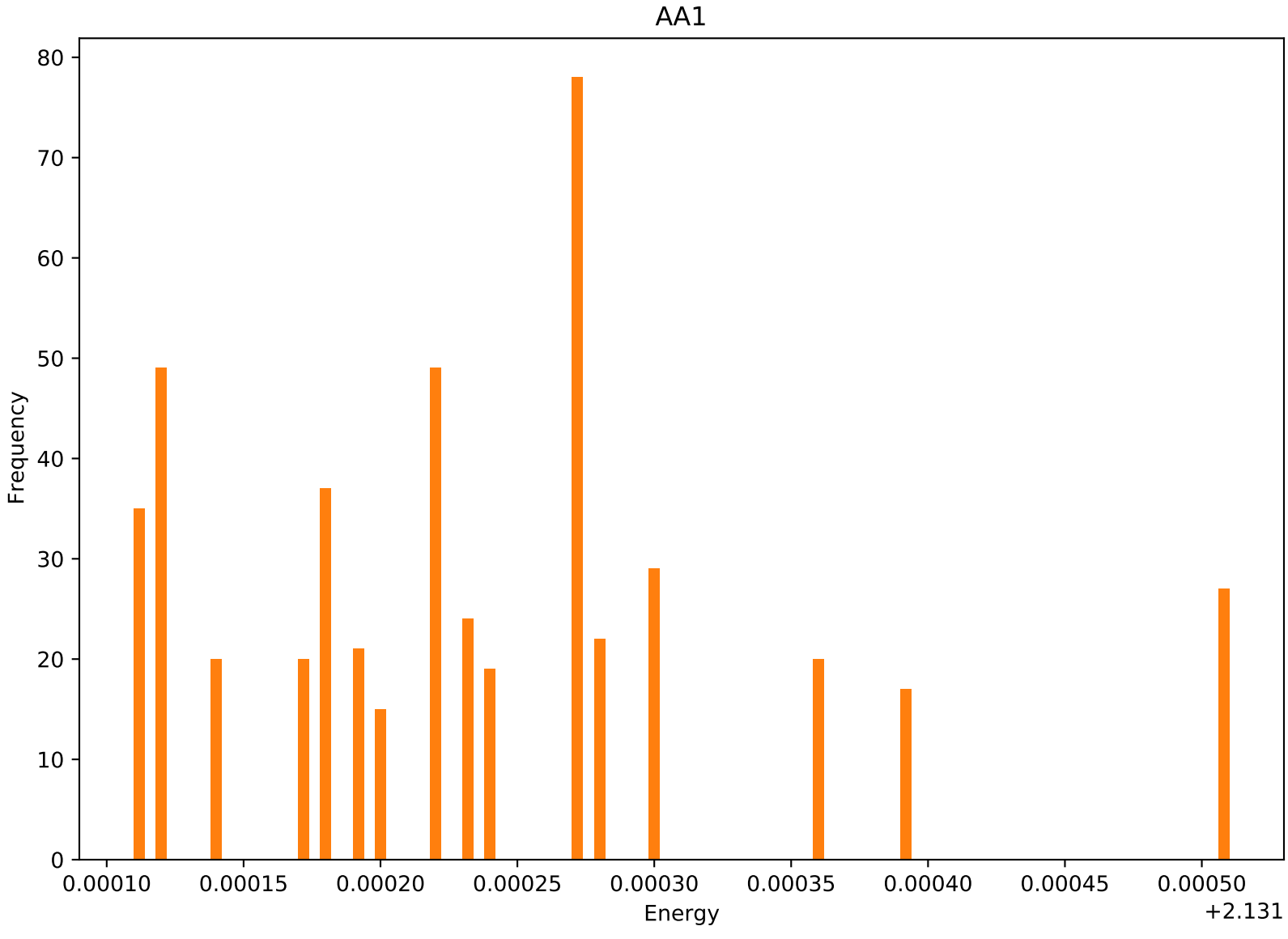
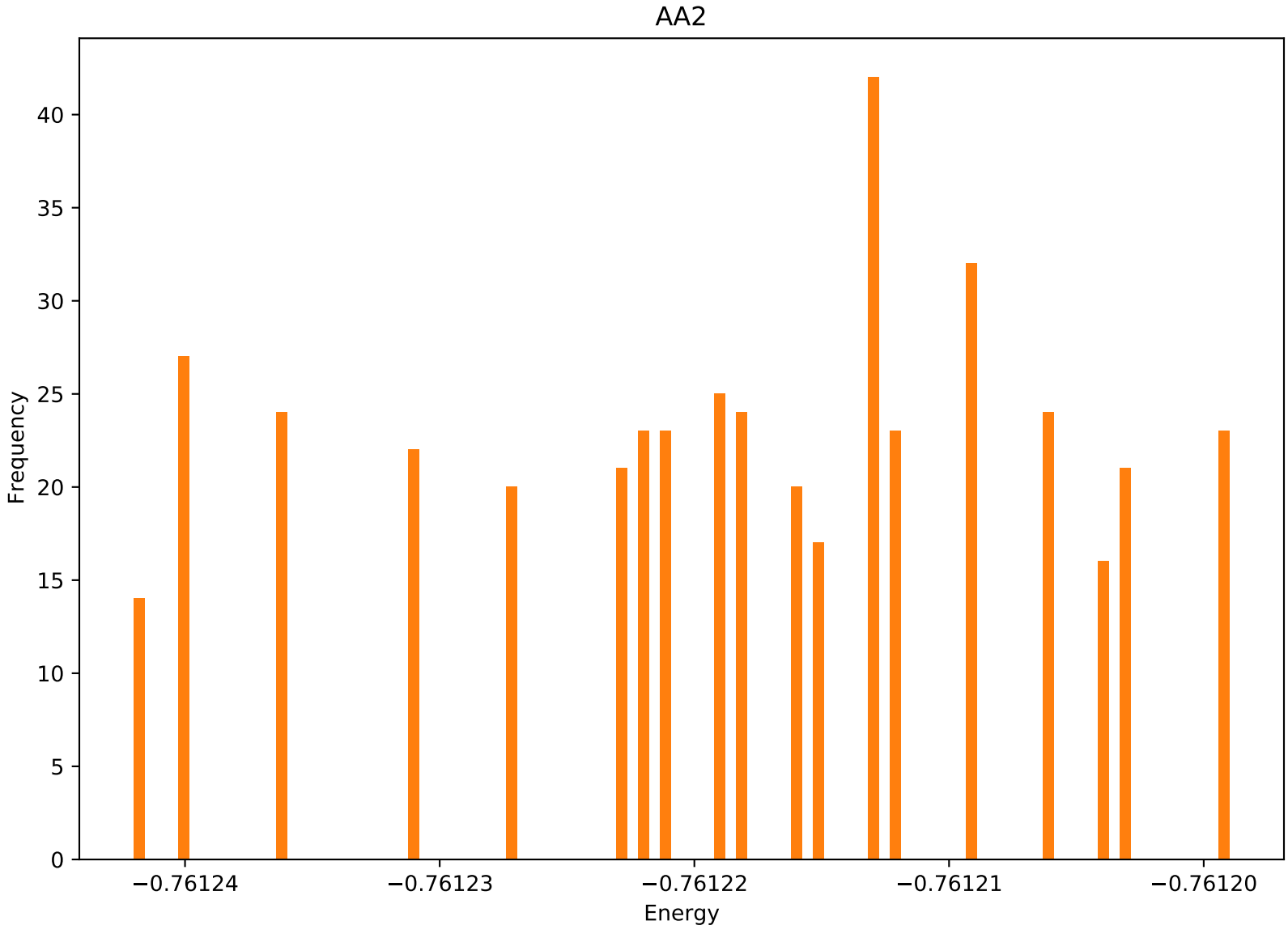
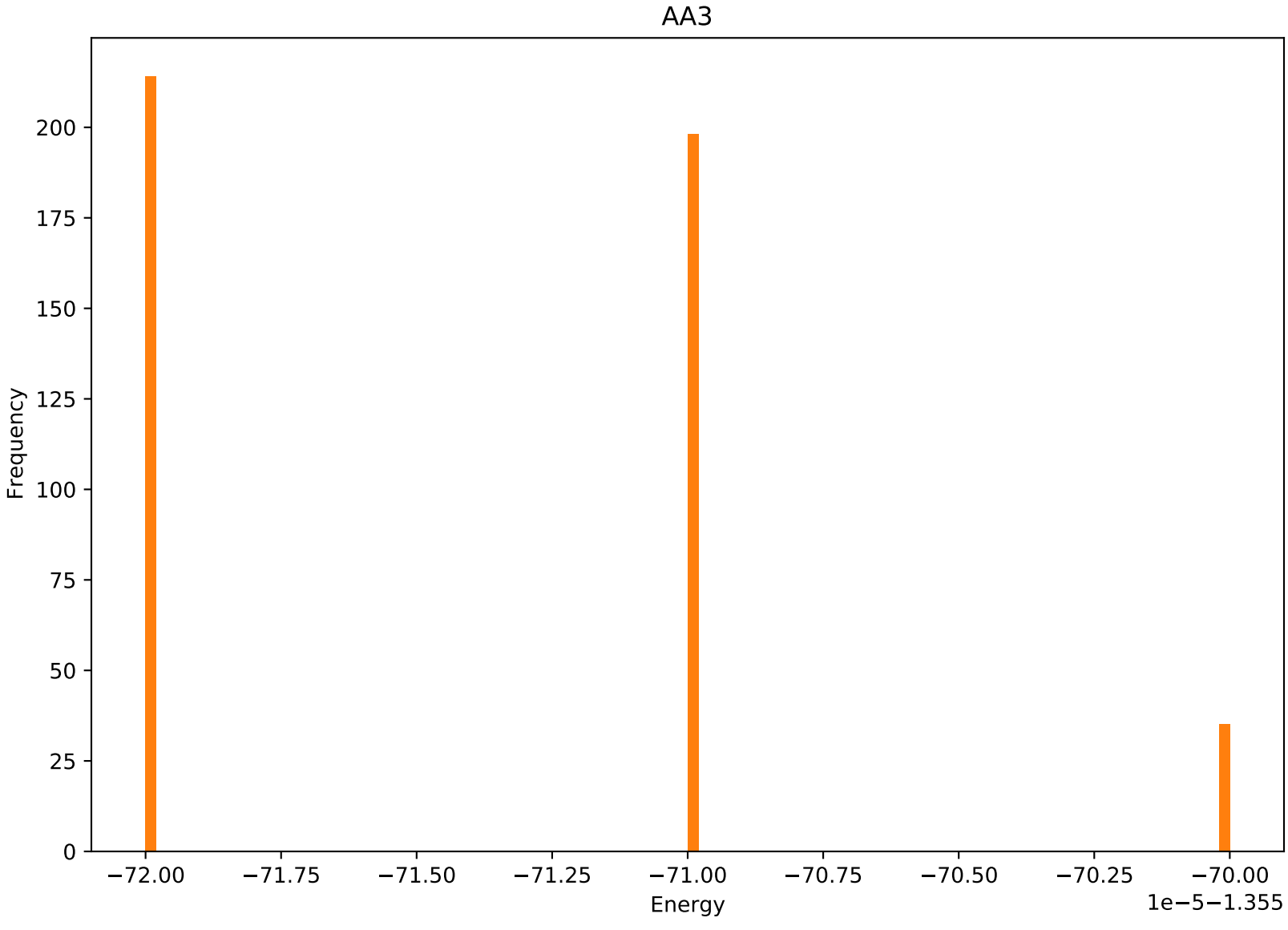
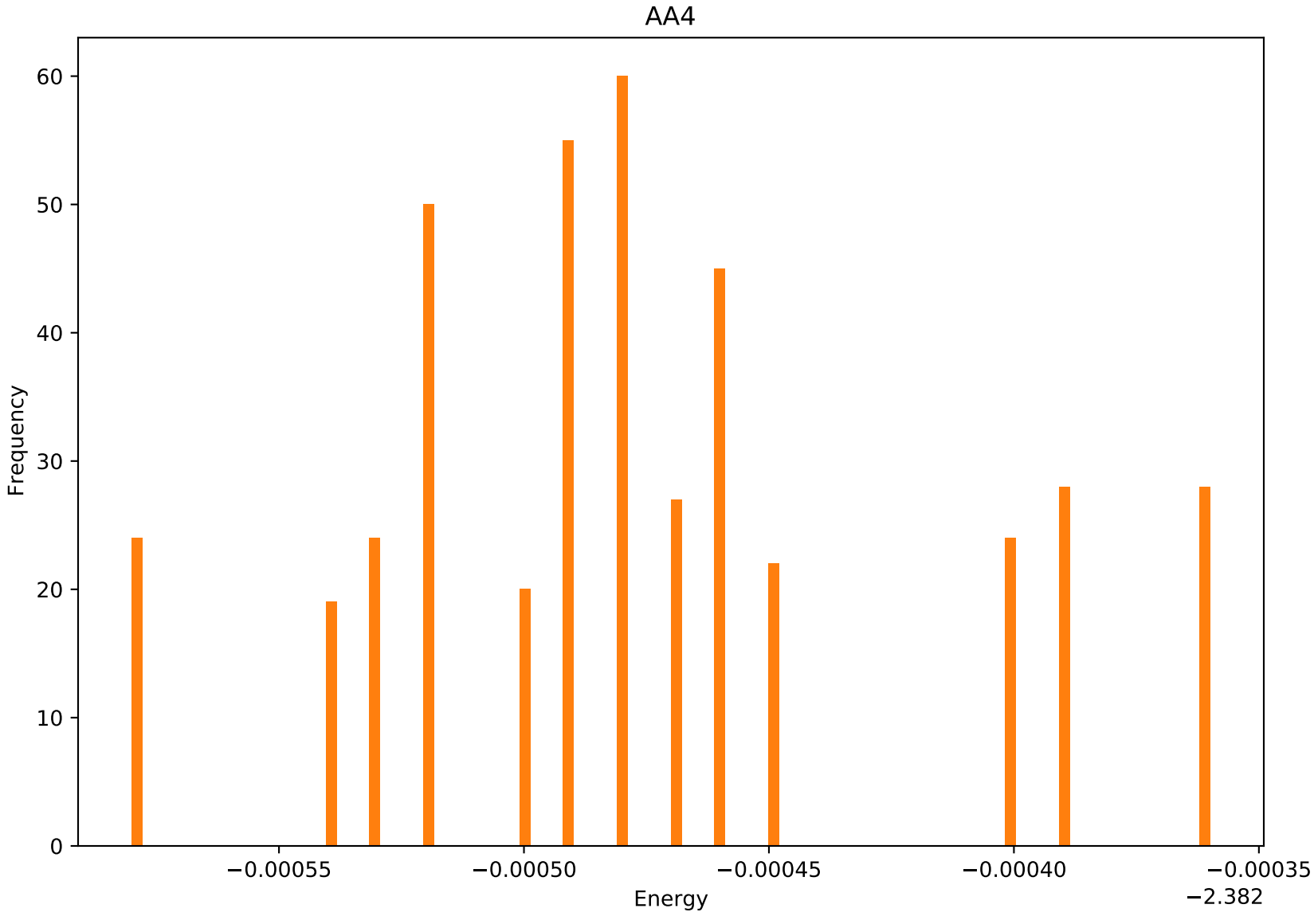
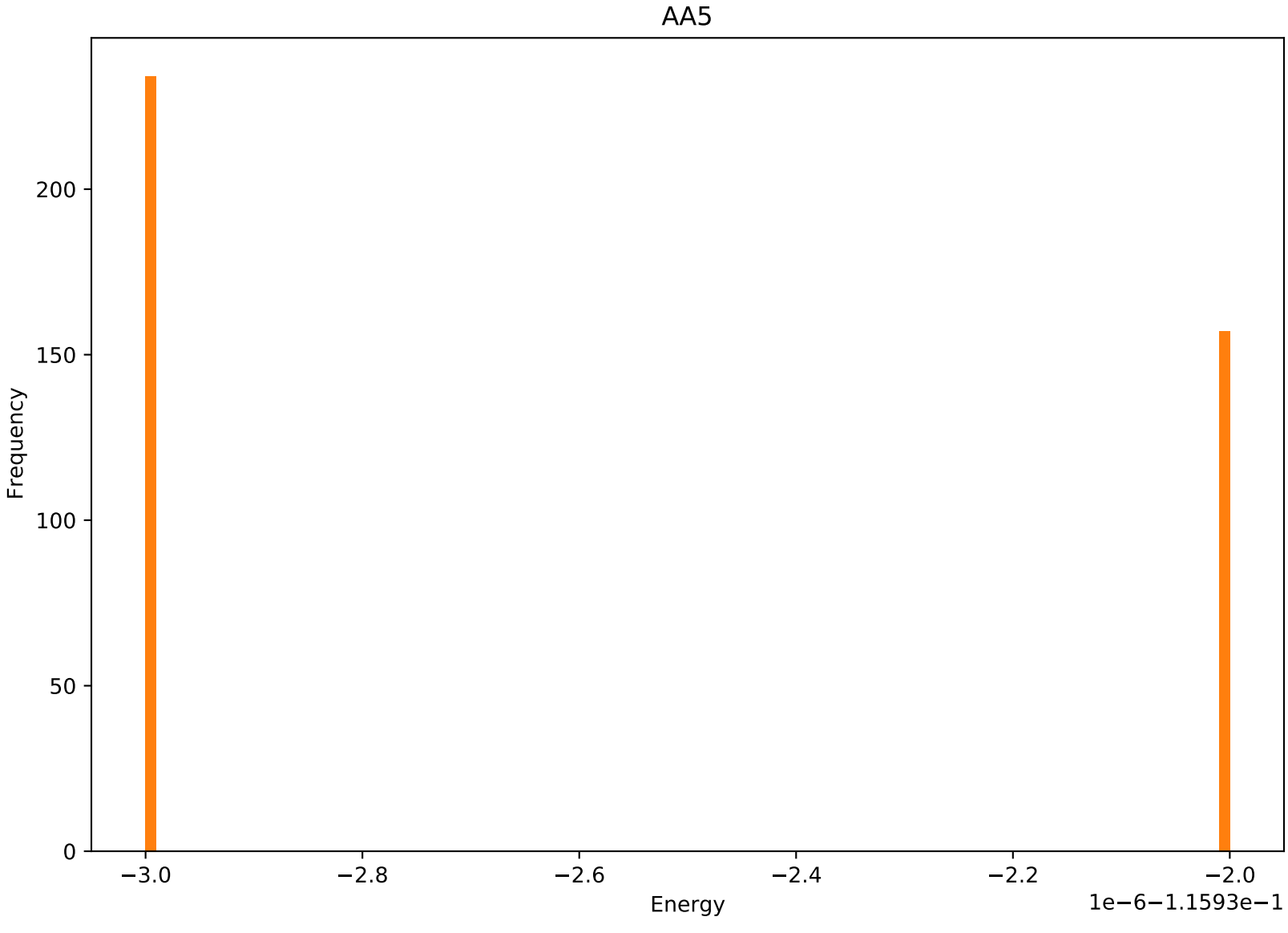
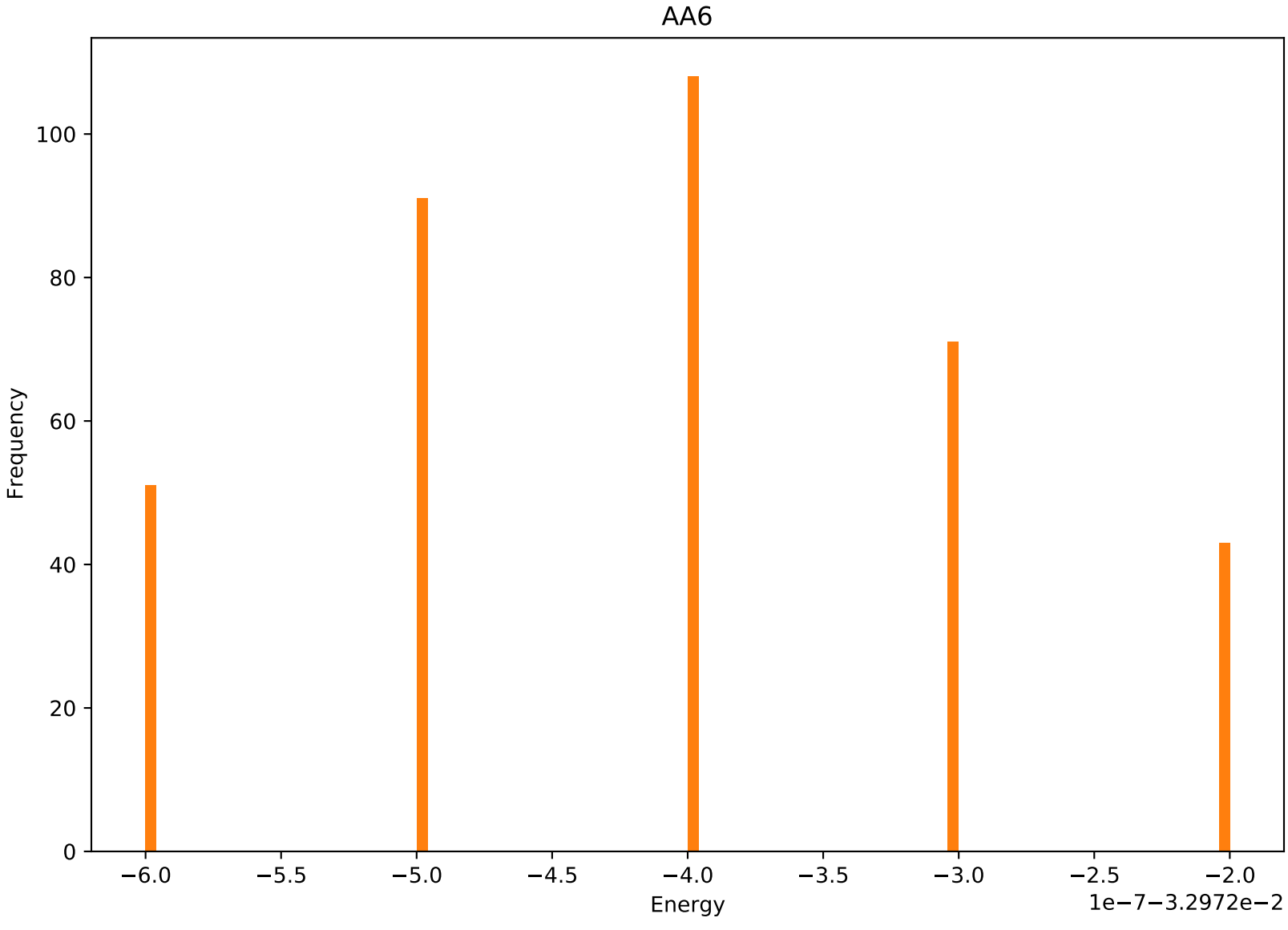

AA1
Frequency
Energy
+2.131
0
10
20
30
40
50
60
70
80
0.00010
0.00015
0.00020
0.00025
0.00030
0.00035
0.00040
0.00045
0.00050

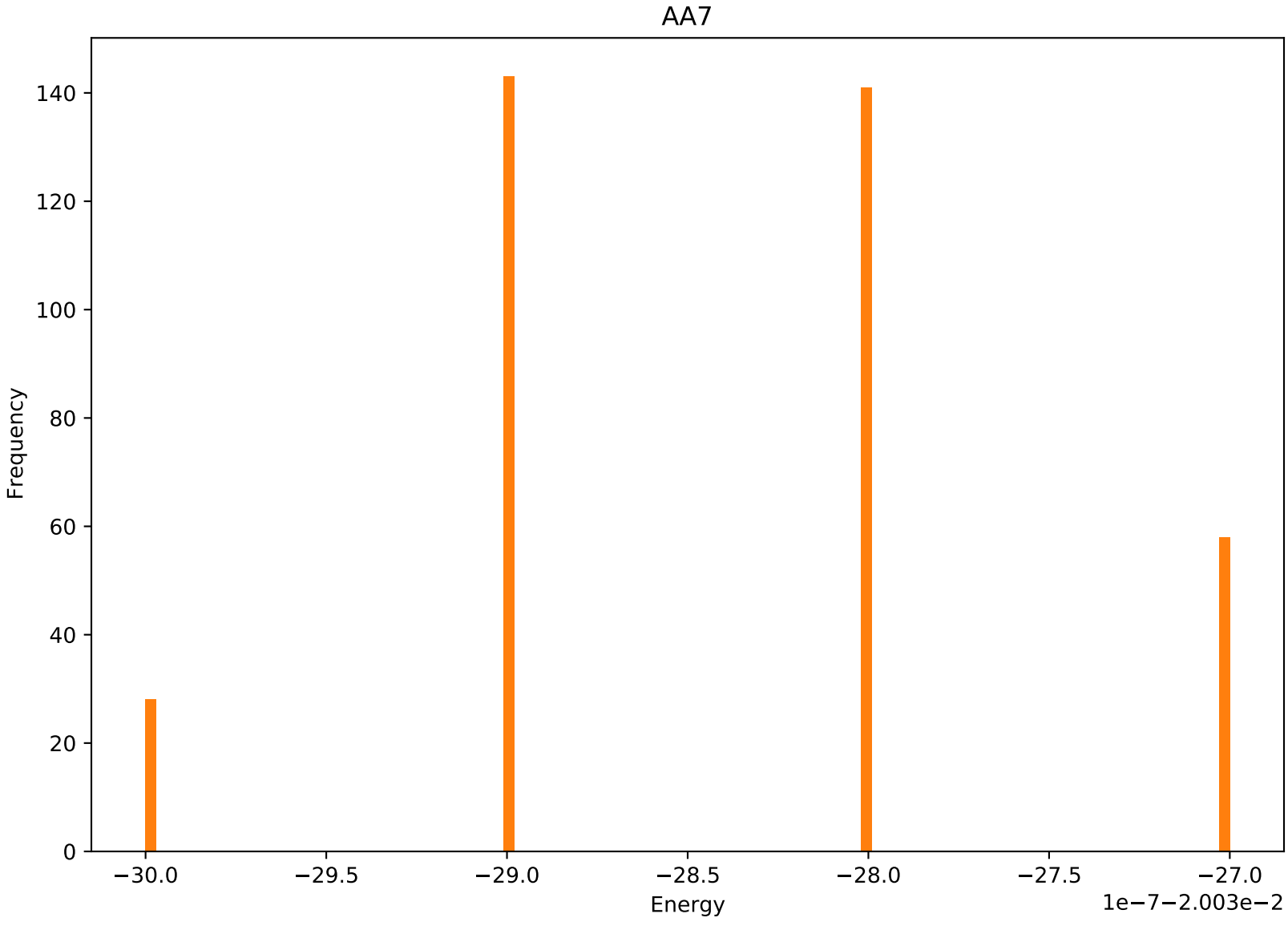

AA2
Frequency
0
5
10
15
20
25
30
35
40
−0.76124
−0.76123
−0.76122
−0.76121
−0.76120
Energy

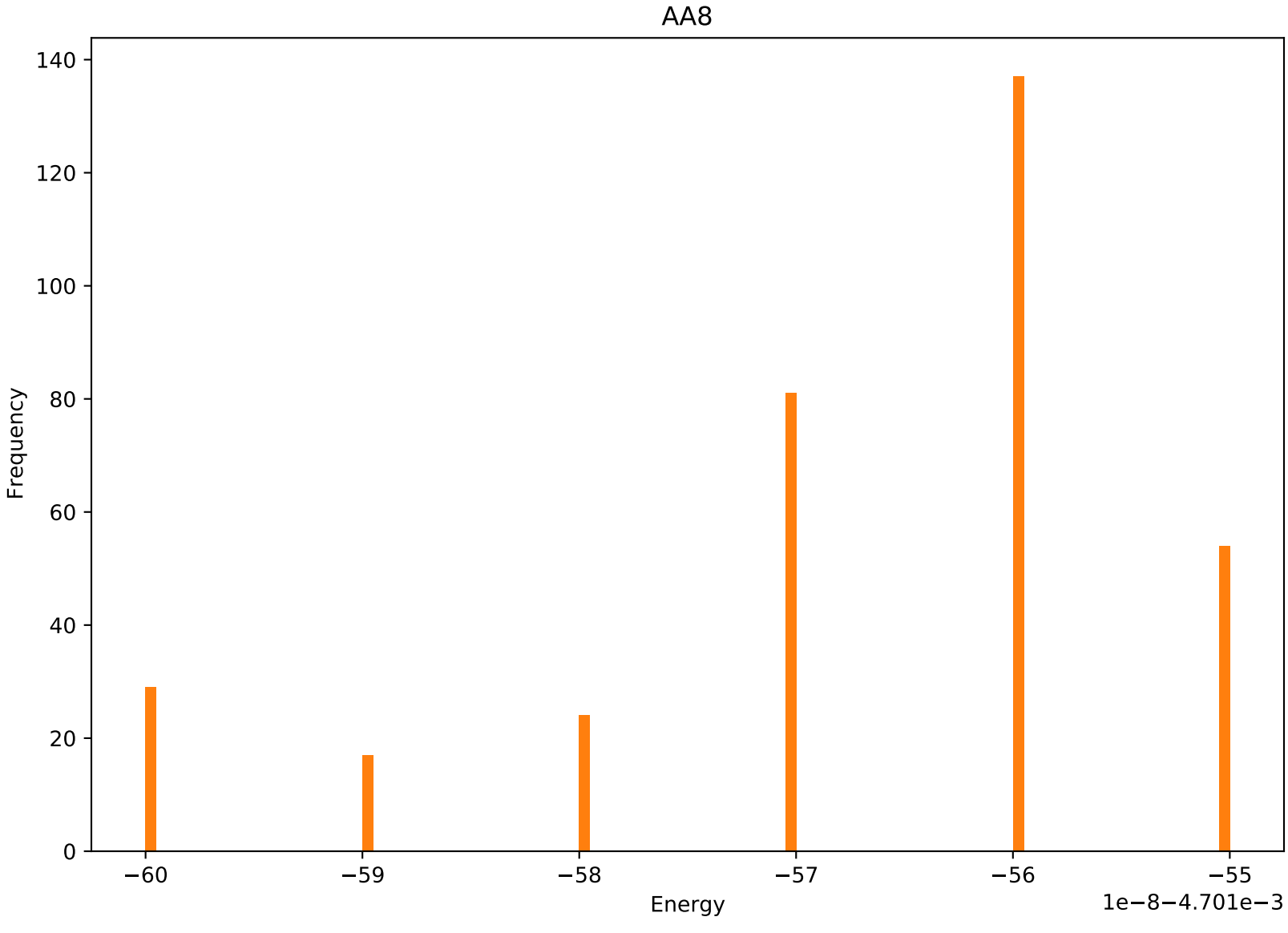

AA3
Frequency
200
175
150
125
100
75
50
25
0
−72.00
−71.75
−71.50
−71.25
−71.00
−70.75
−70.50
−70.25
−70.00
Energy
1e−5−1.355

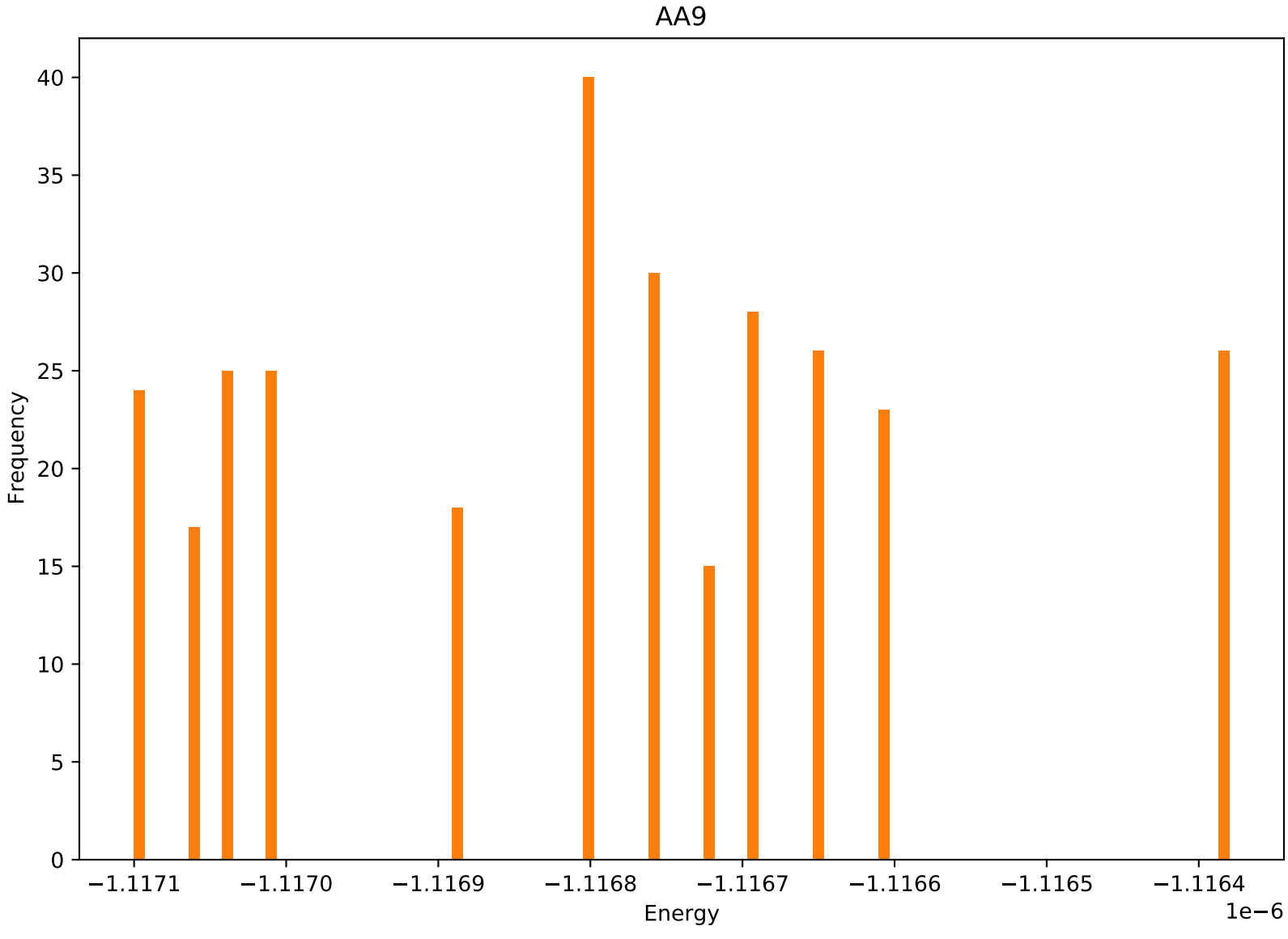

AA4
Frequency
0
10
20
30
40
50
60
−0.00055
−0.00050
−0.00045
−0.00040
−0.00035
Energy
−2.382

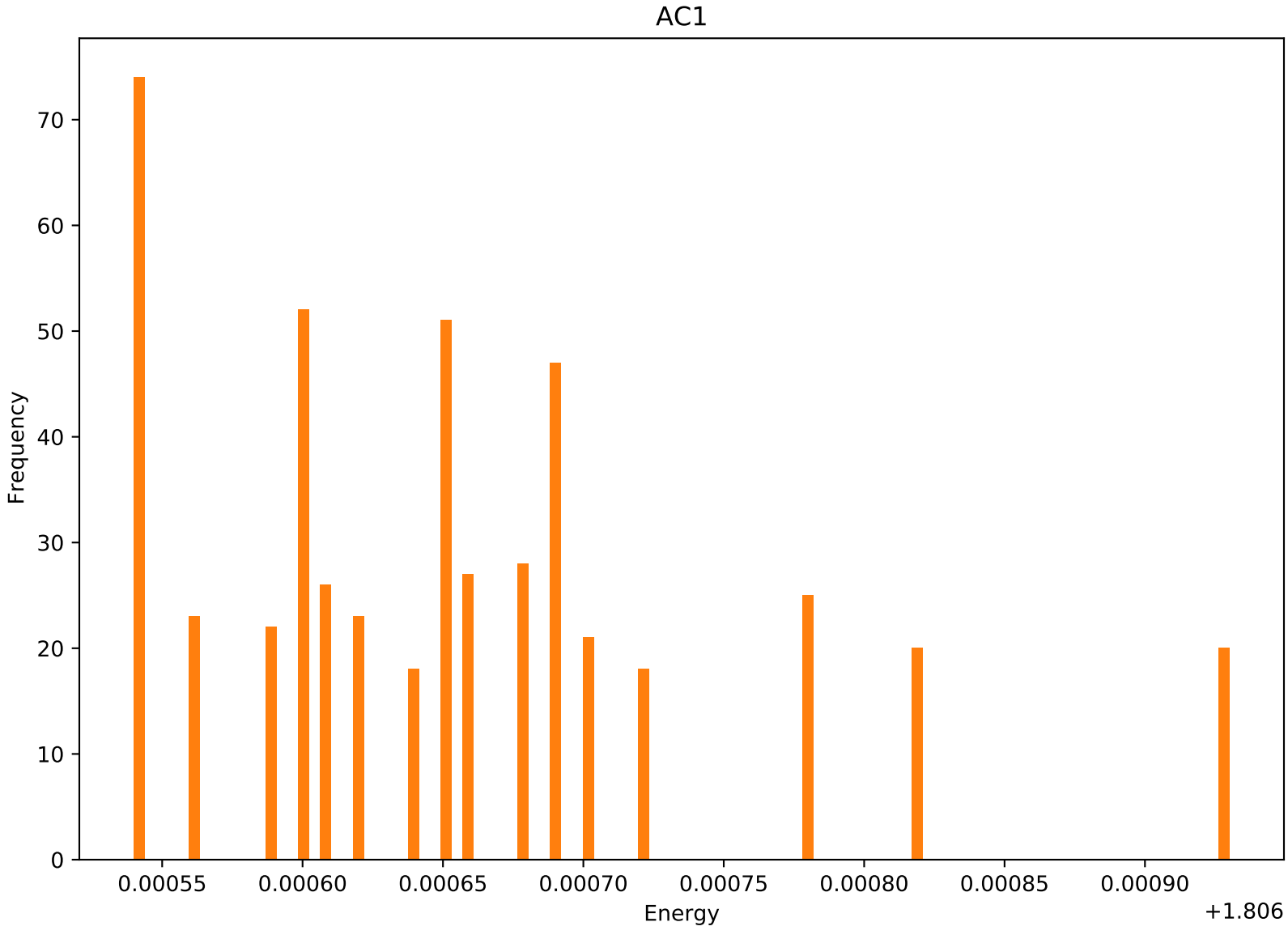

AA5
200
150
100
50
0
Frequency
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
Energy
1e−6−1.1593e−1

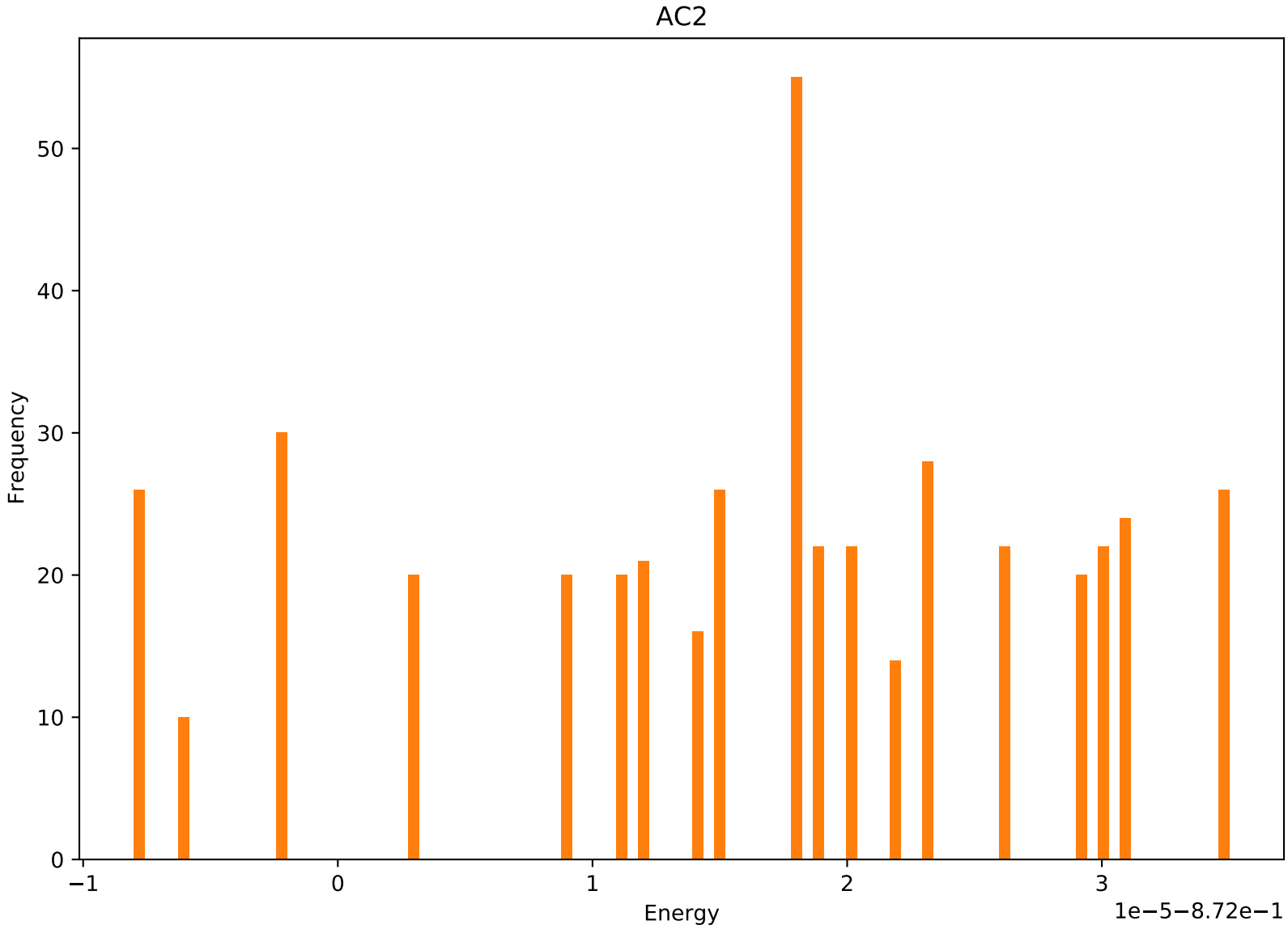

AA6
Frequency
0
20
40
60
80
100
−6.0
−5.5
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
−2.0
Energy
1e−7−3.2972e−2

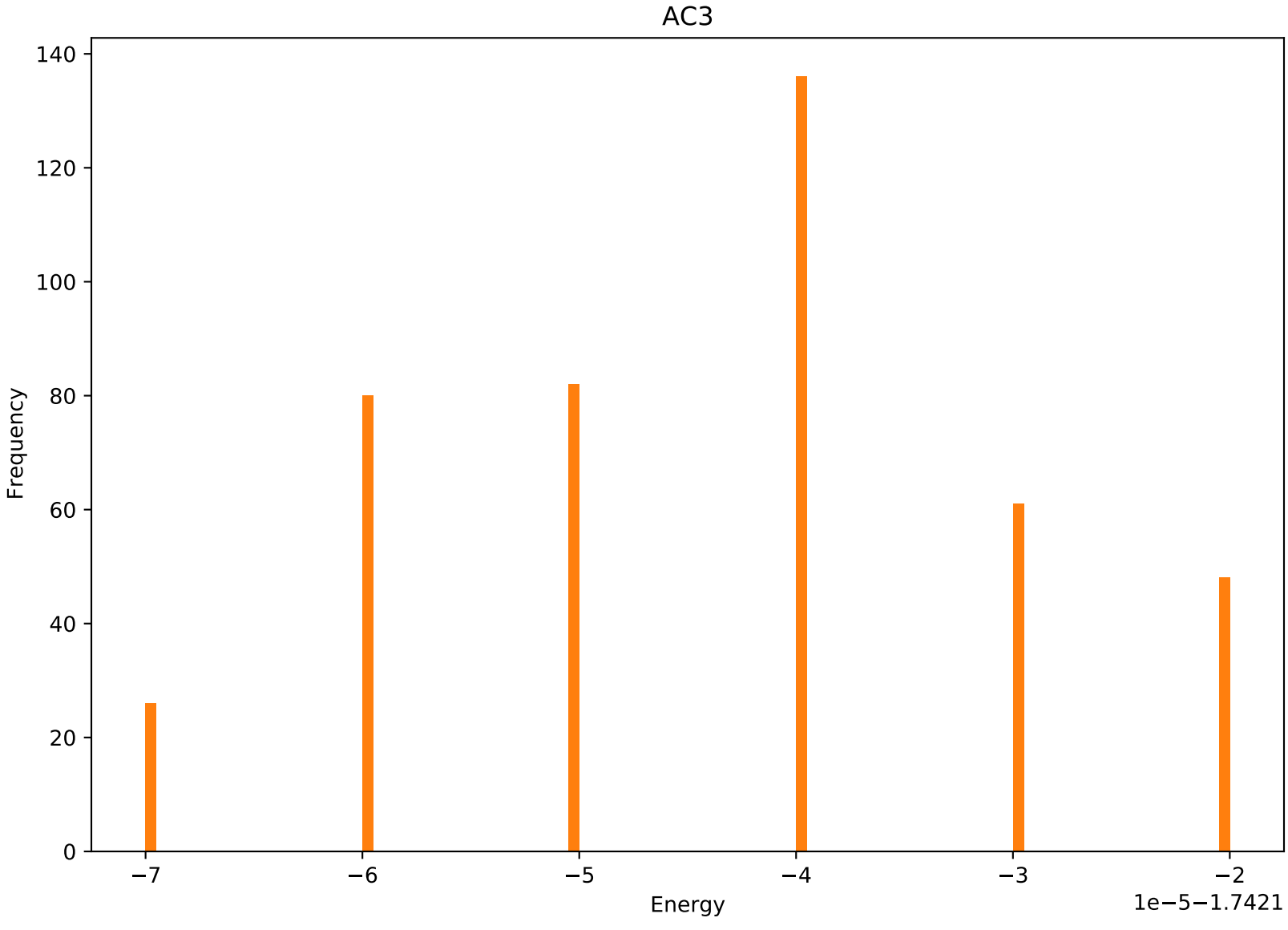

AA7
Frequency
0
20
40
60
80
100
120
140
−30.0
−29.5
−29.0
−28.5
−28.0
−27.5
−27.0
Energy
1e−7−2.003e−2

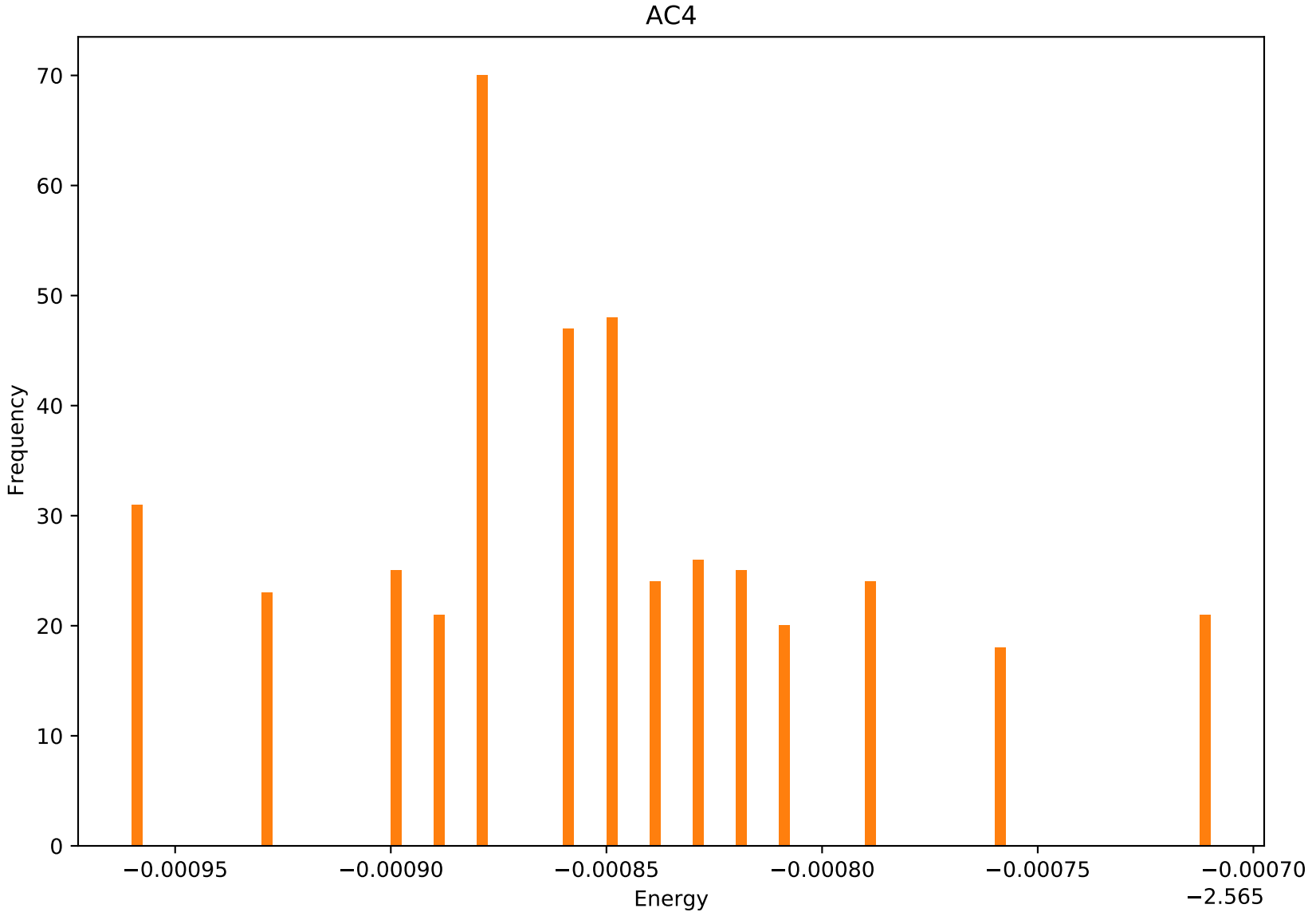

AA8
Frequency
0
20
40
60
80
100
120
140
−60
−59
−58
−57
−56
−55
Energy
1e−8−4.701e−3

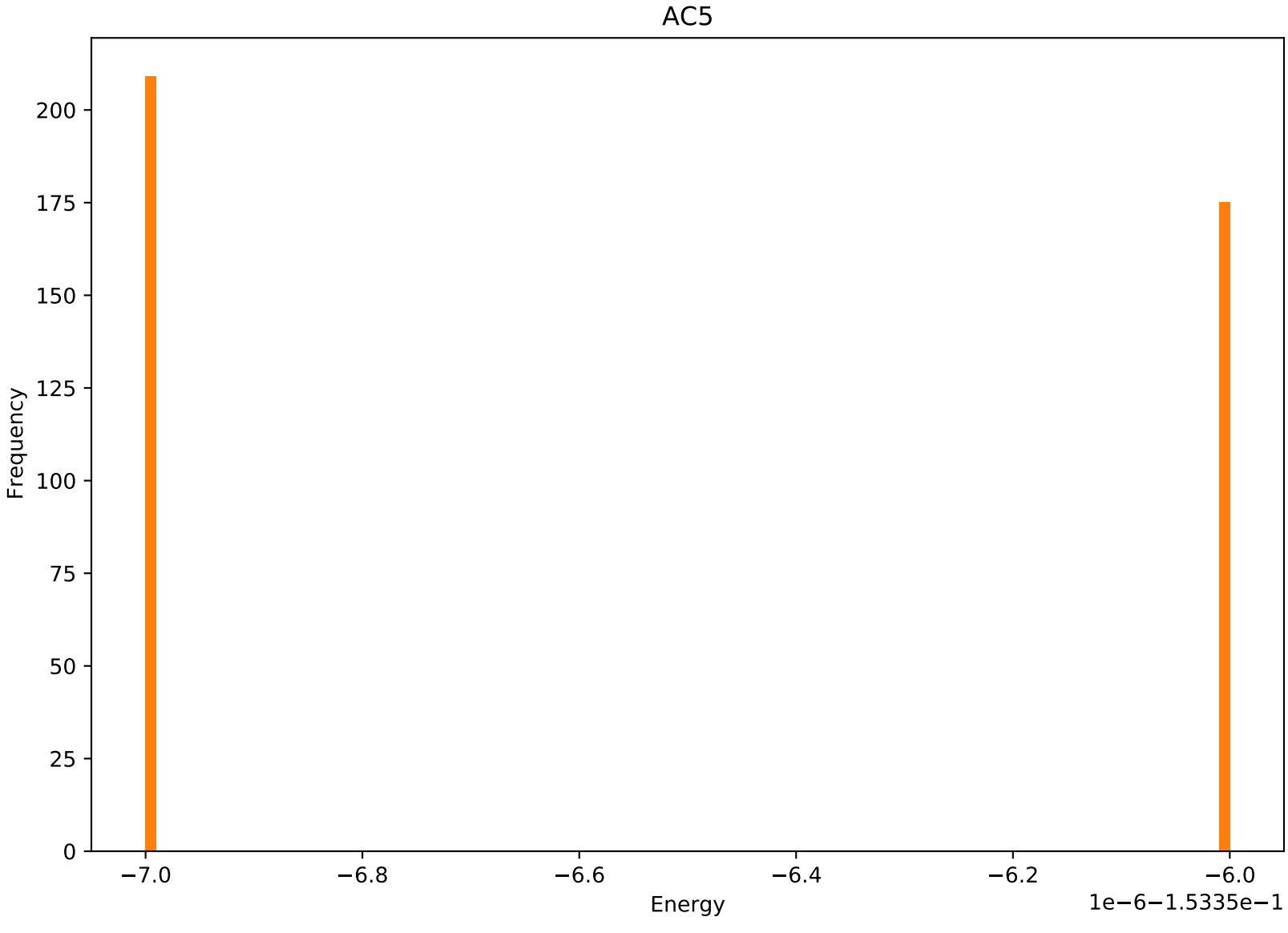

AA9
Frequency
0
5
10
15
20
25
30
35
40
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

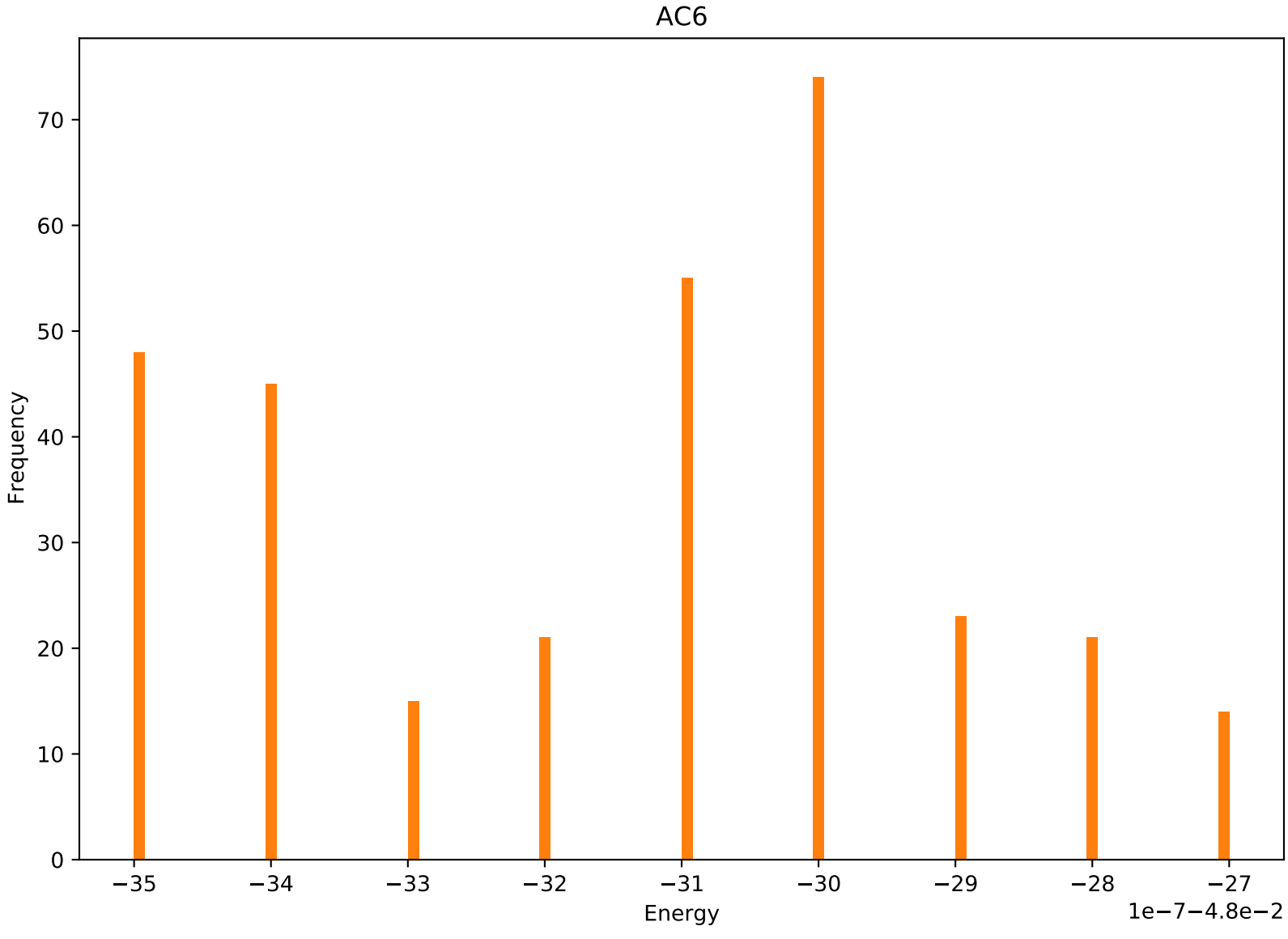

AC1
Frequency
0
10
20
30
40
50
60
70
0.00055
0.00060
0.00065
0.00070
0.00075
0.00080
0.00085
0.00090
Energy
+1.806

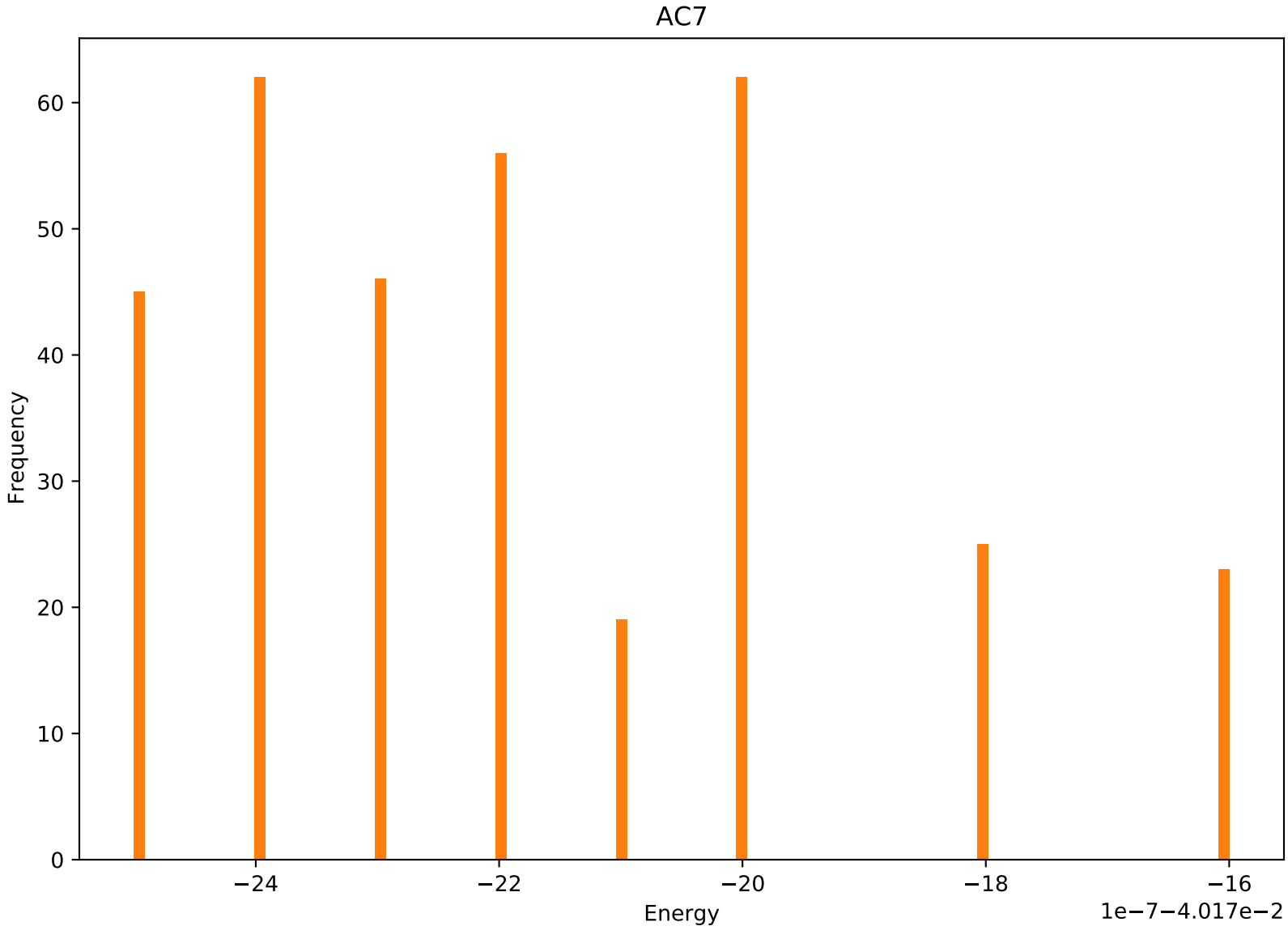

AC2
Frequency
0
10
20
30
40
50
−1
0
1
2
3
Energy
1e−5−8.72e−1

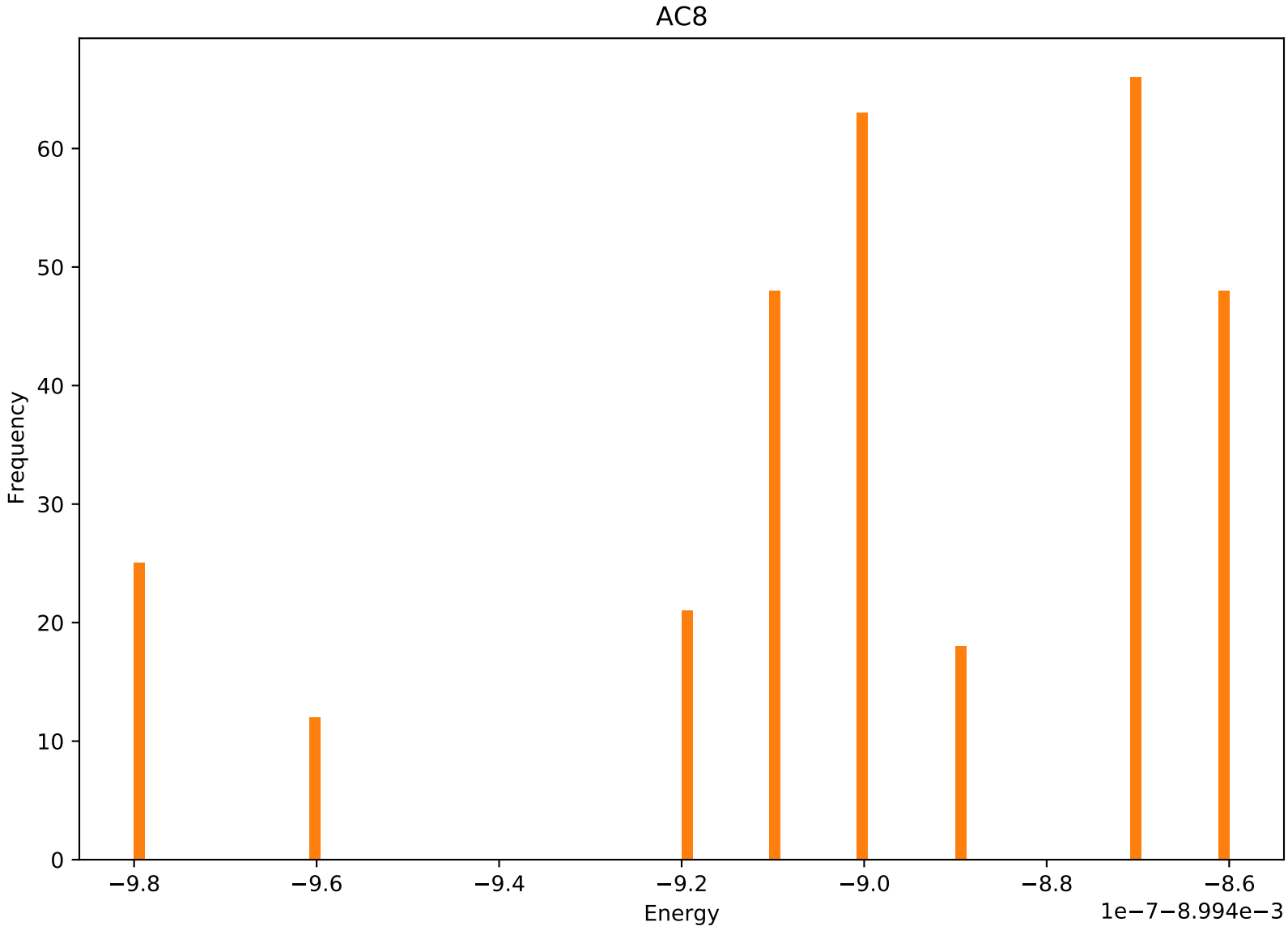

AC3
140
120
100
80
60
40
20
0
Frequency
−7
−6
−5
−4
−3
−2
Energy
1e−5−1.7421

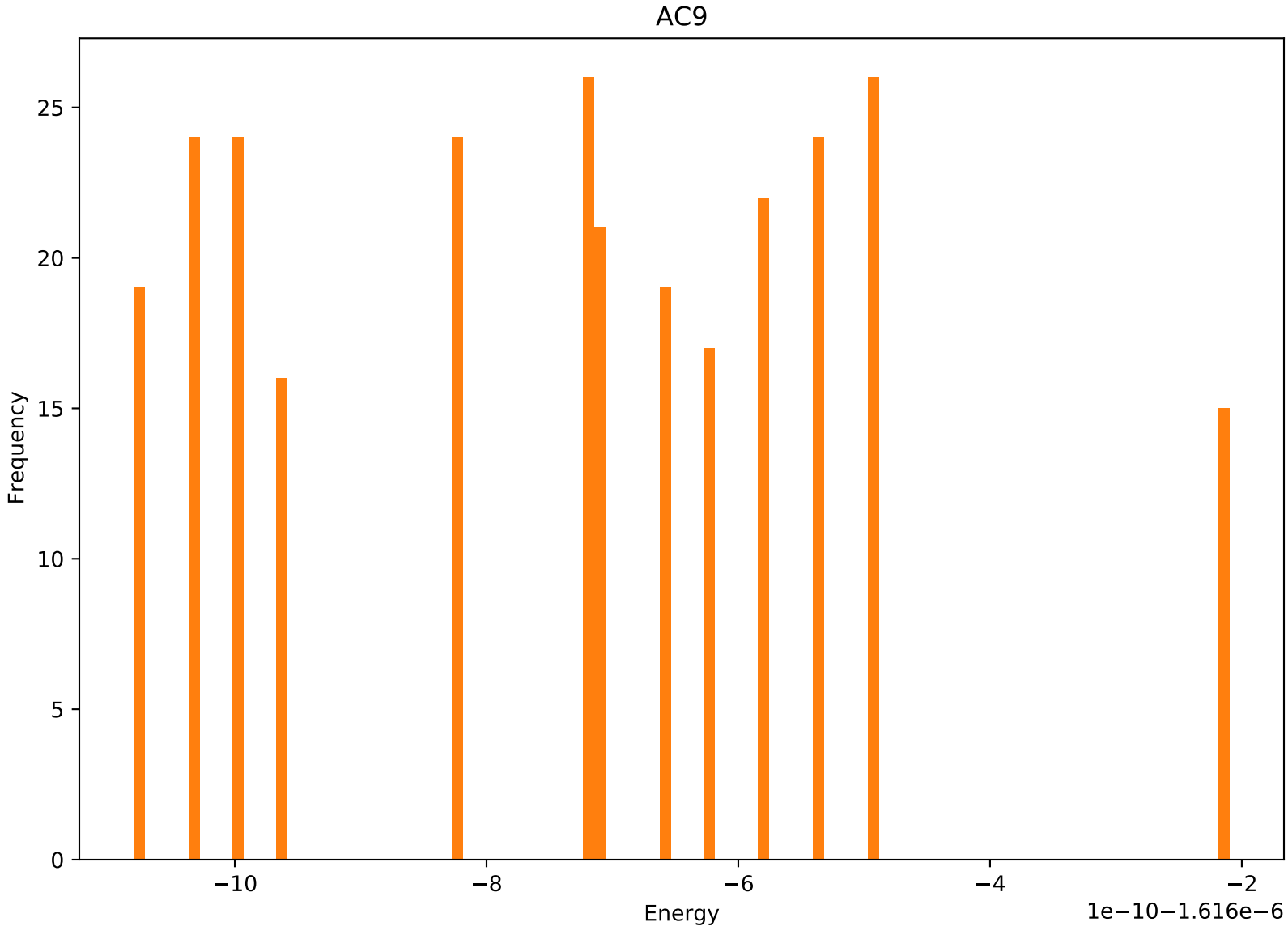

AC4
Frequency
70
60
50
40
30
20
10
0
−0.00095
−0.00090
−0.00085
−0.00080
−0.00075
−0.00070
Energy
−2.565

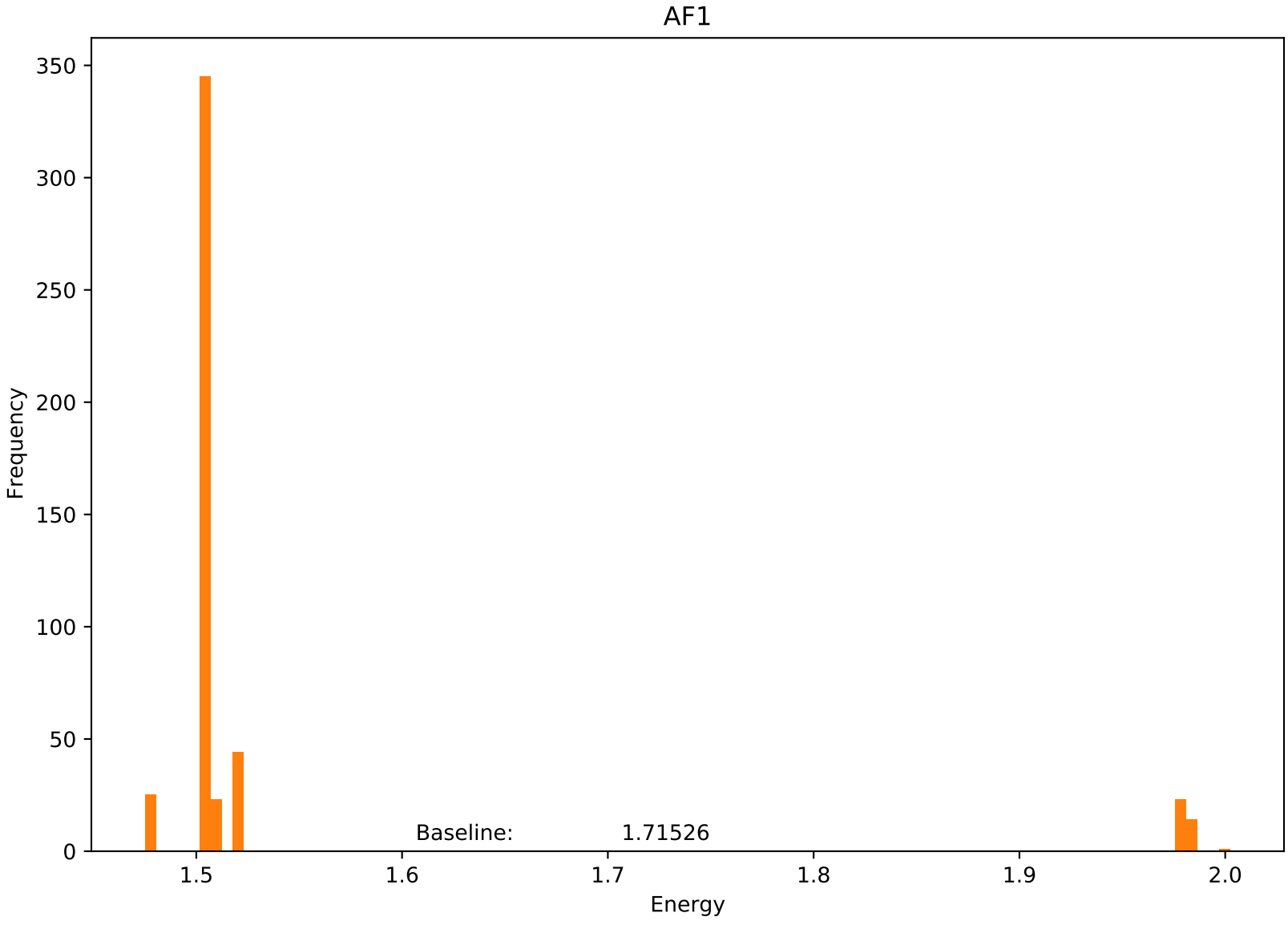

AC5
Frequency
200
175
150
125
100
75
50
25
0
−7.0
−6.8
−6.6
−6.4
−6.2
−6.0
Energy
1e−6−1.5335e−1

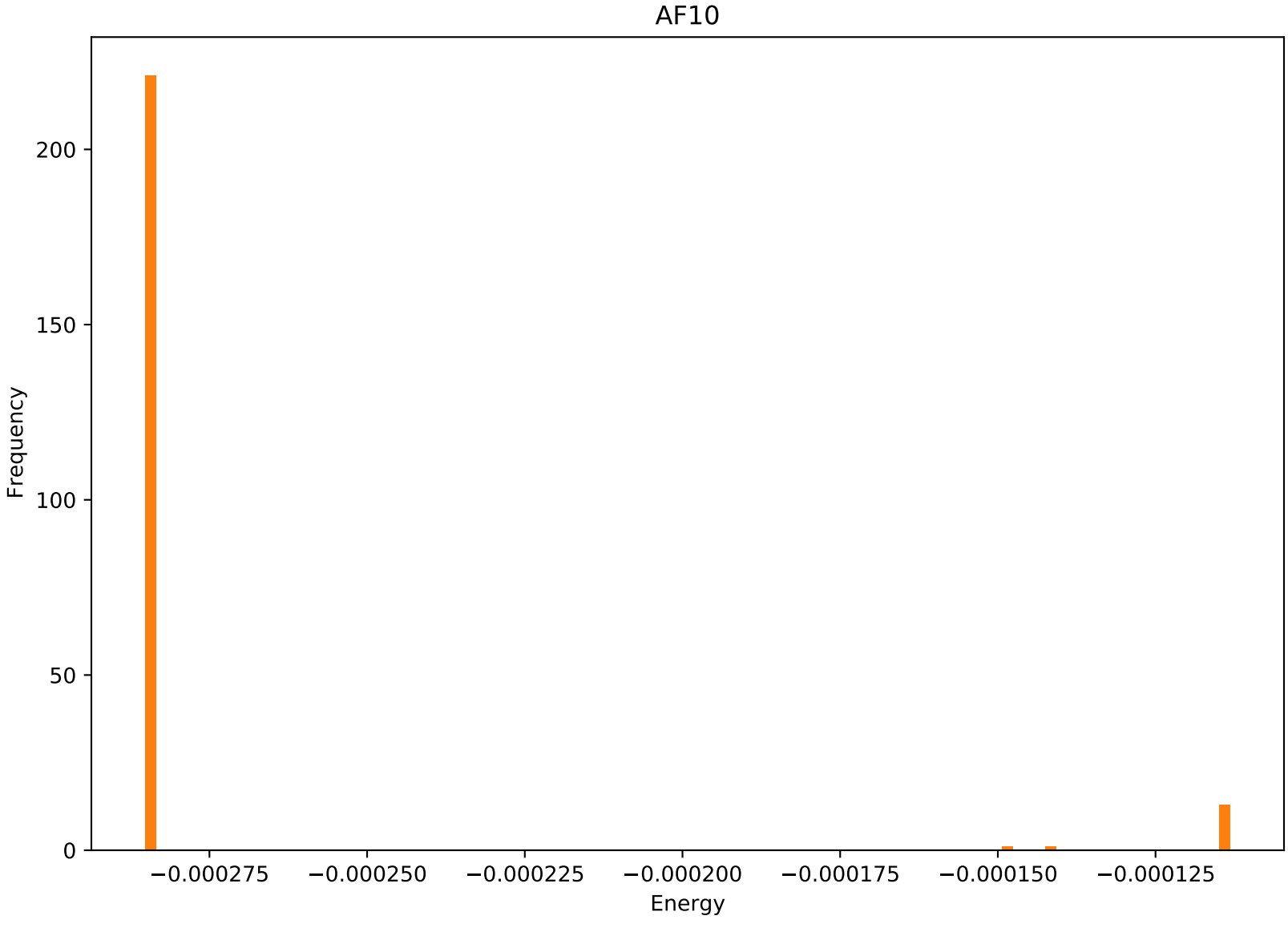

AC6
Frequency
0
10
20
30
40
50
60
70
−35
−34
−33
−32
−31
−30
−29
−28
−27
Energy
1e−7−4.8e−2

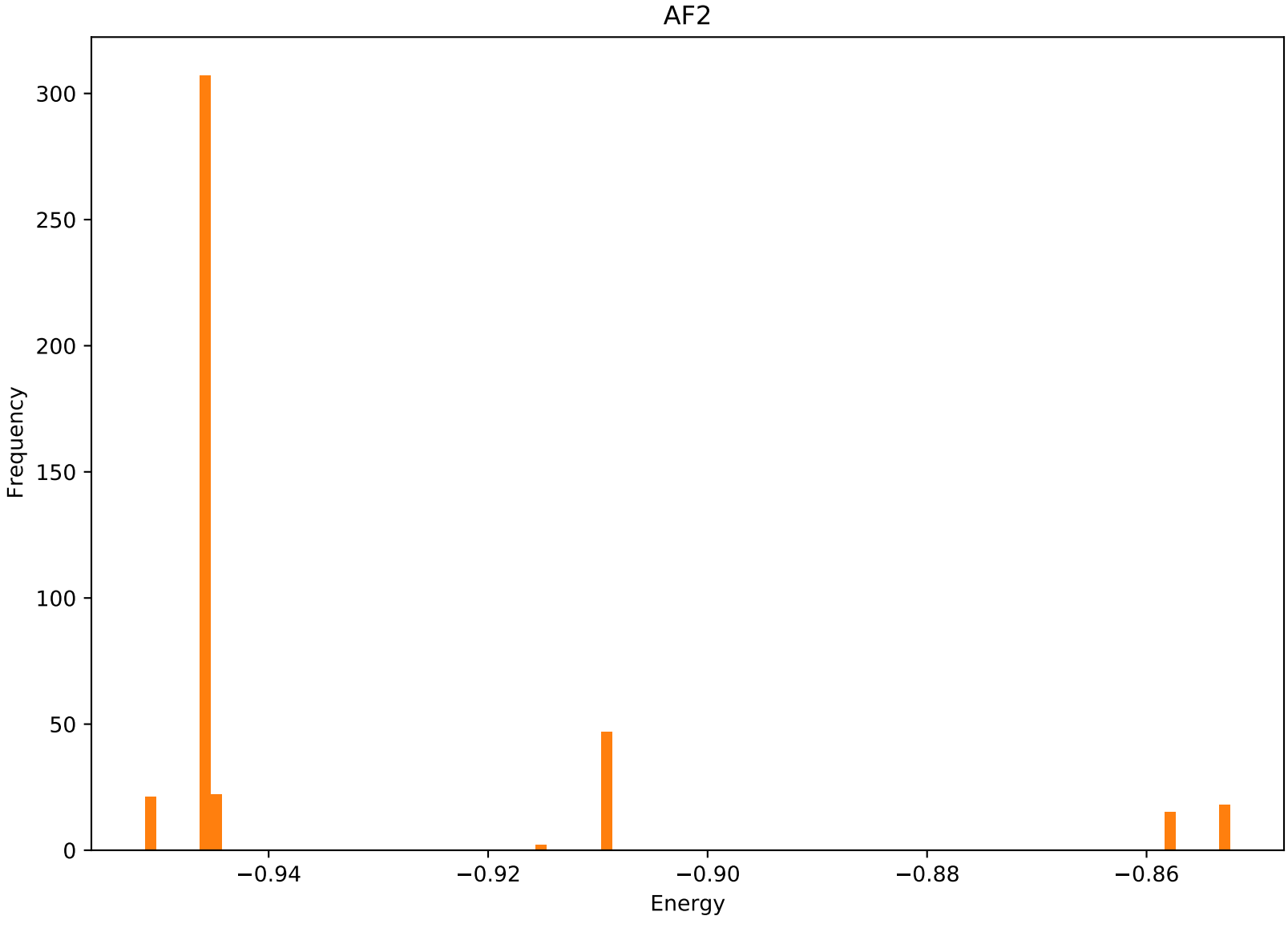

AC7
Frequency
0
10
20
30
40
50
60
−24
−22
−20
−18
−16
Energy
1e−7−4.017e−2

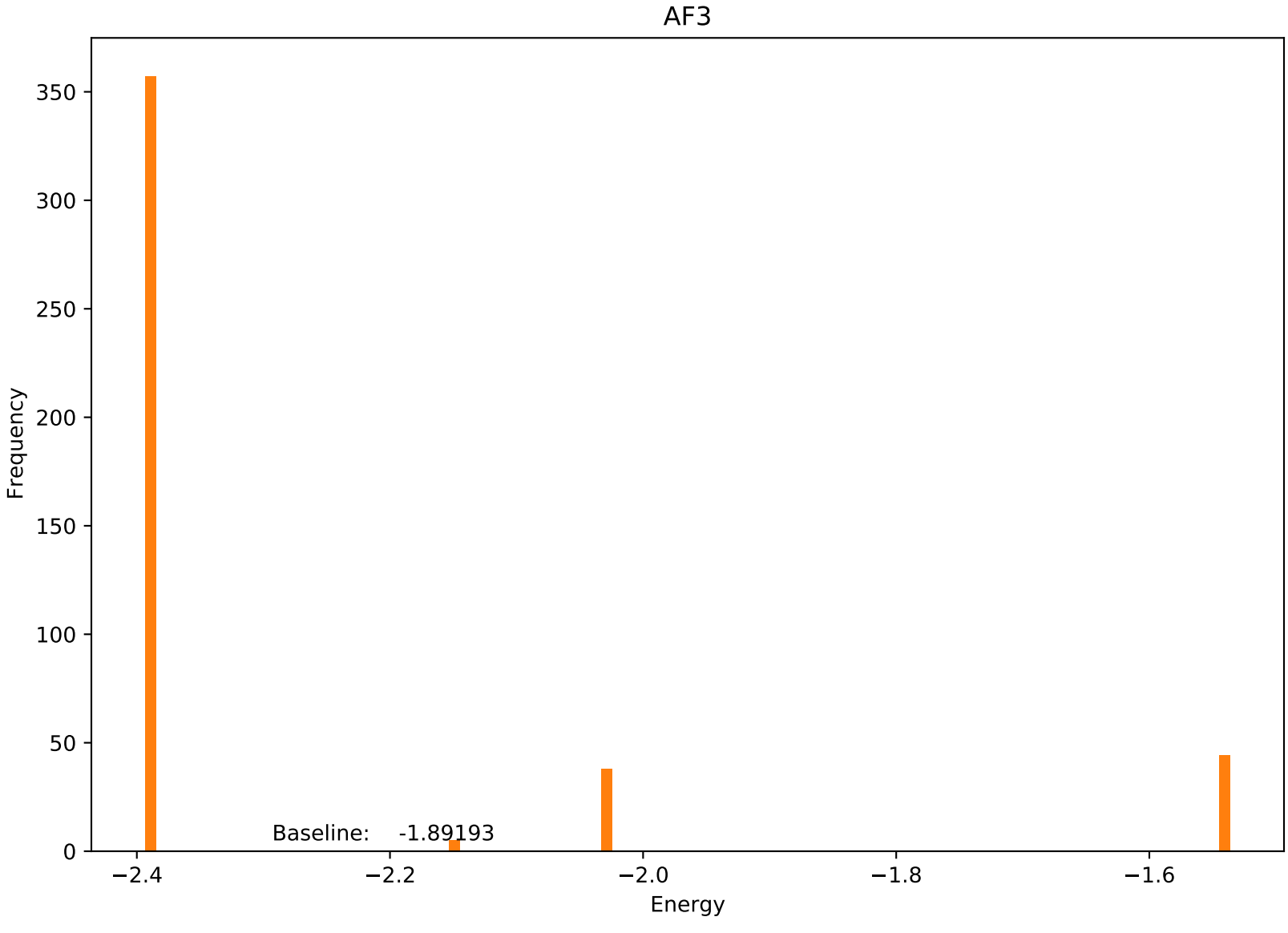

AC8
Frequency
0
10
20
30
40
50
60
−9.8
−9.6
−9.4
−9.2
−9.0
−8.8
−8.6
Energy
1e−7−8.994e−3

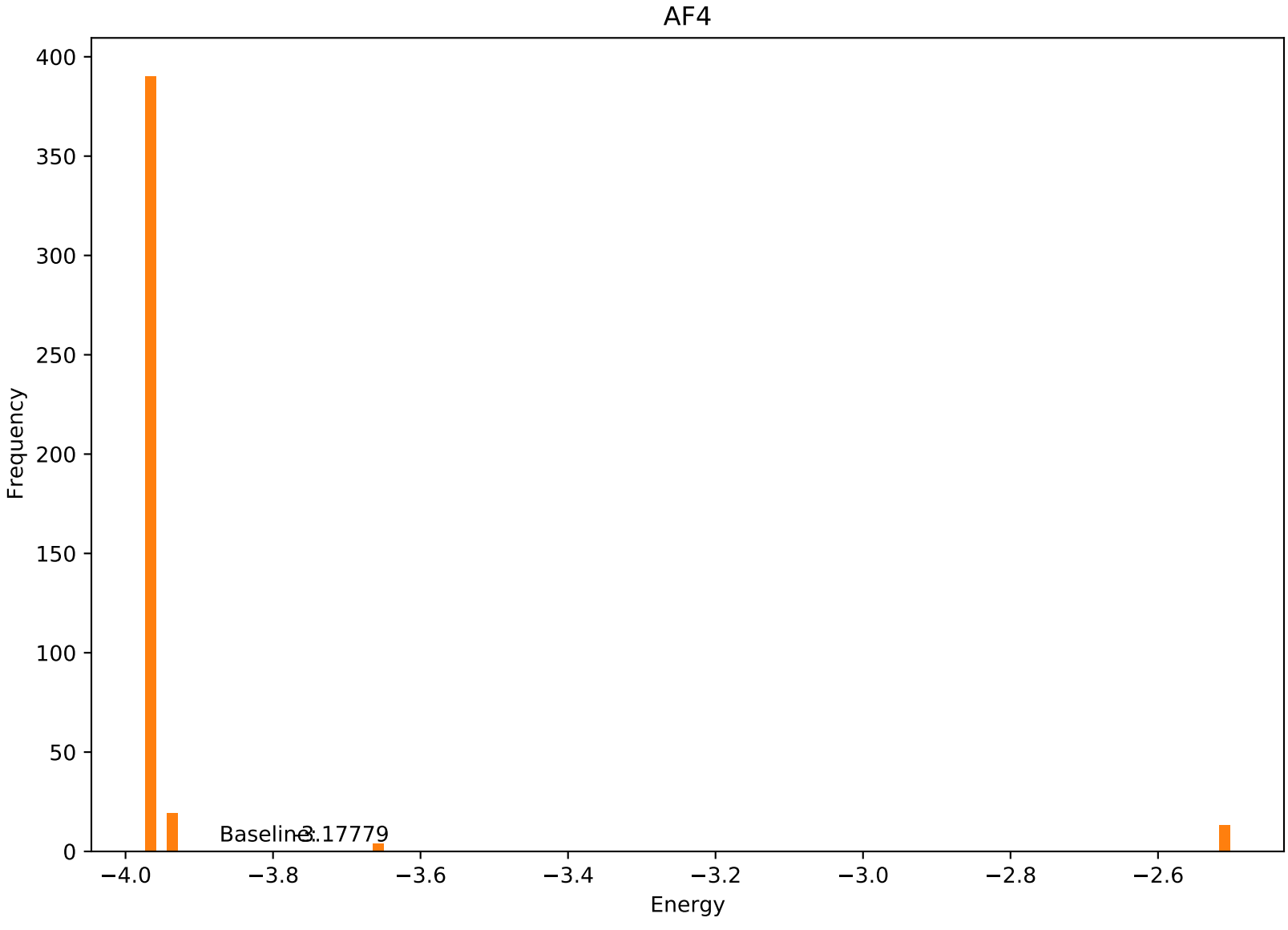

AC9
Frequency
0
5
10
15
20
25
−10
−8
−6
−4
−2
Energy
1e−10−1.616e−6

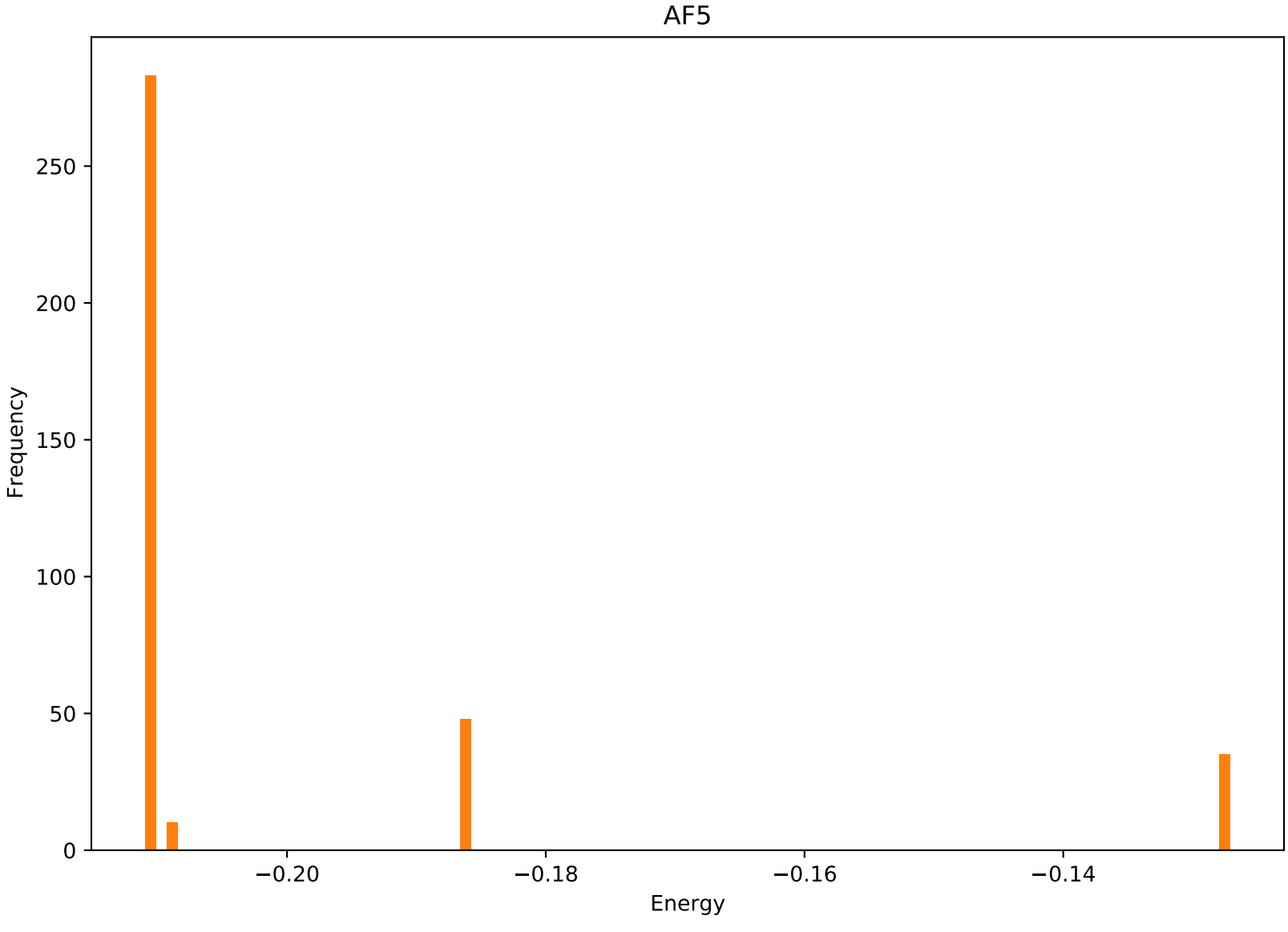

AF1
Frequency
Energy
Baseline: 1.71526
0
50
100
150
200
250
300
350
1.5
1.6
1.7
1.8
1.9
2.0

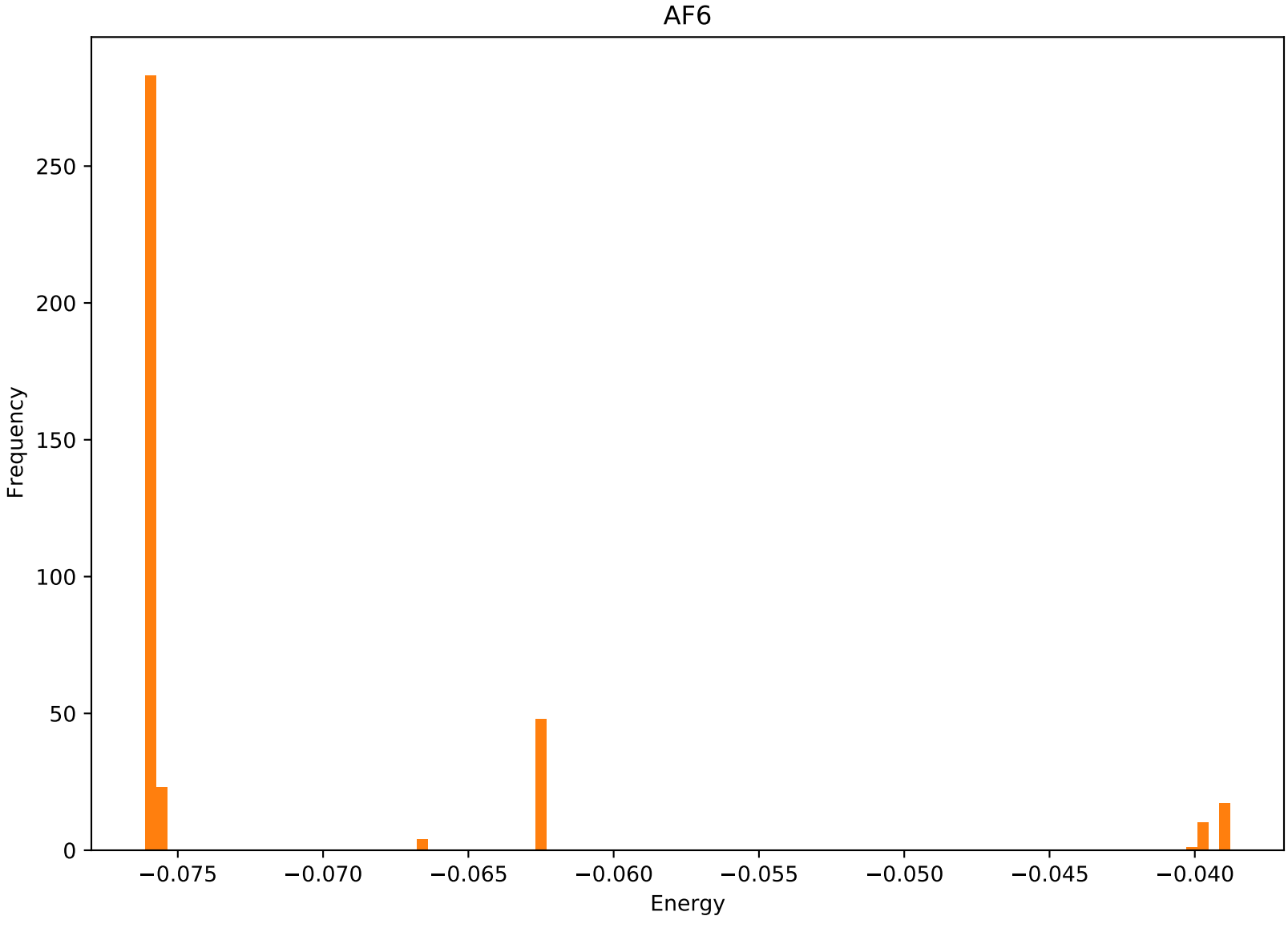

AF10
Frequency
200
150
100
50
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

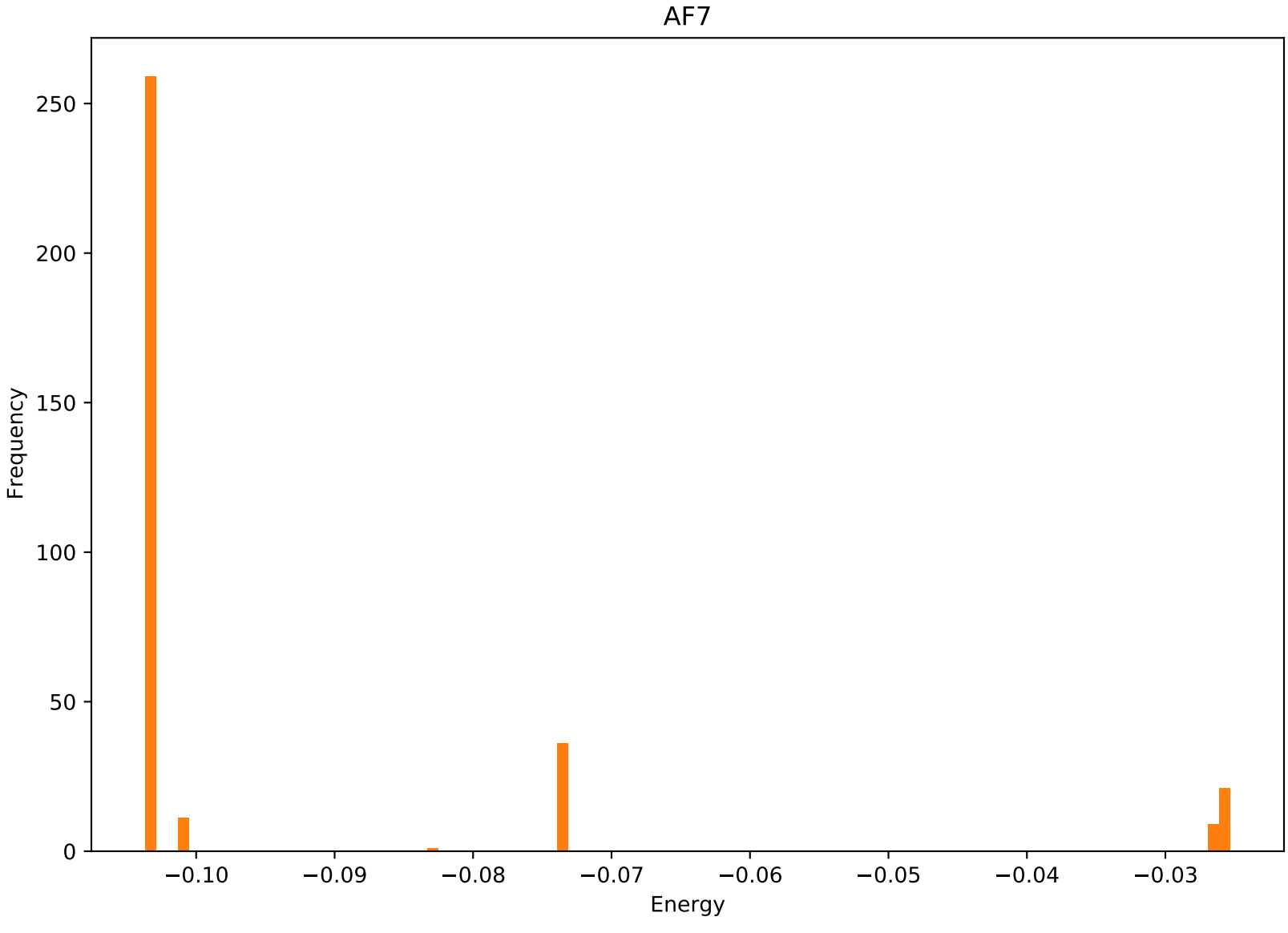

AF2
Frequency
300
250
200
150
100
50
0
−0.94
−0.92
−0.90
−0.88
−0.86
Energy

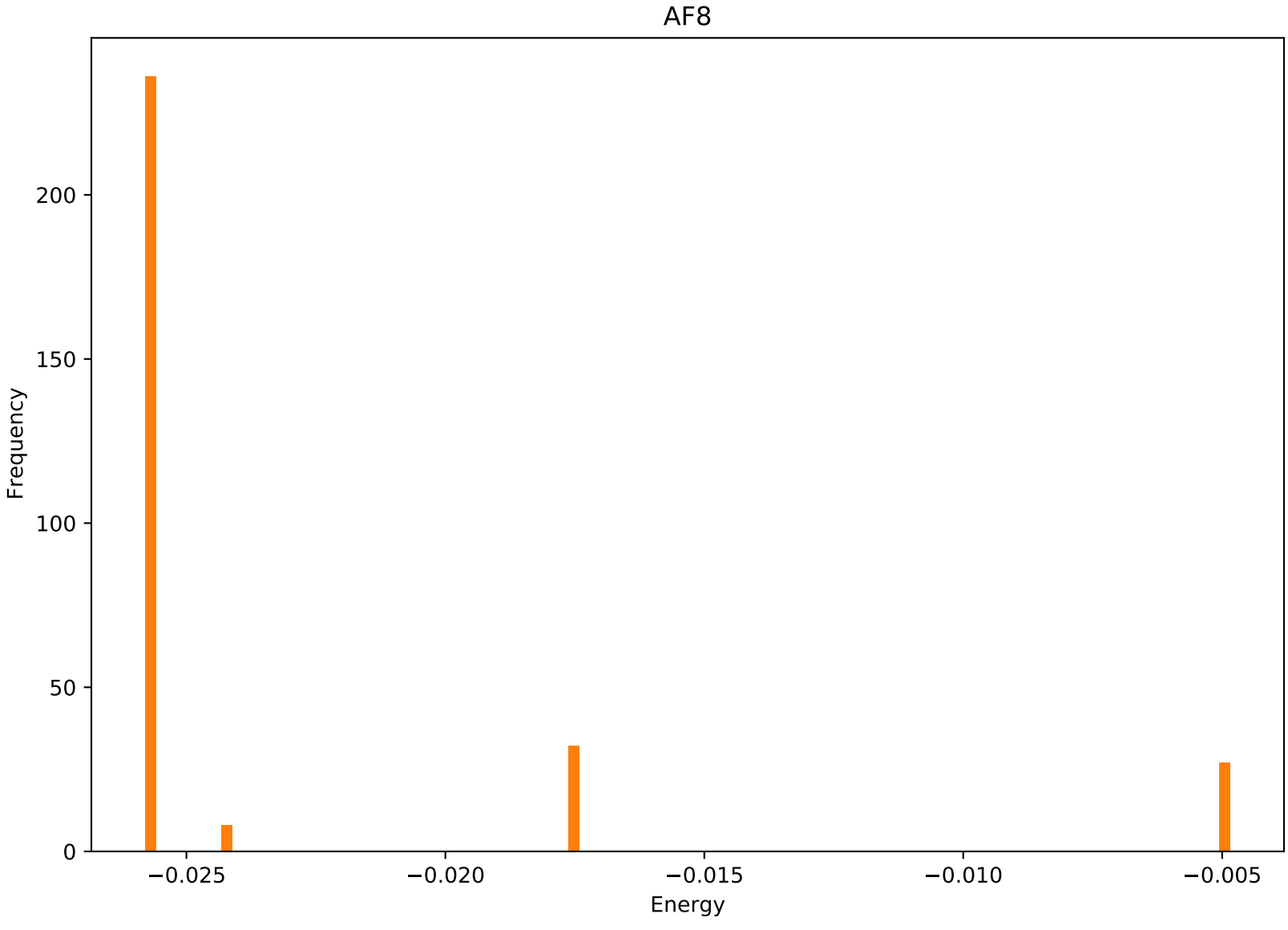

AF3
Frequency
Energy
Baseline: -1.89193
0
50
100
150
200
250
300
350
−2.4
−2.2
−2.0
−1.8
−1.6

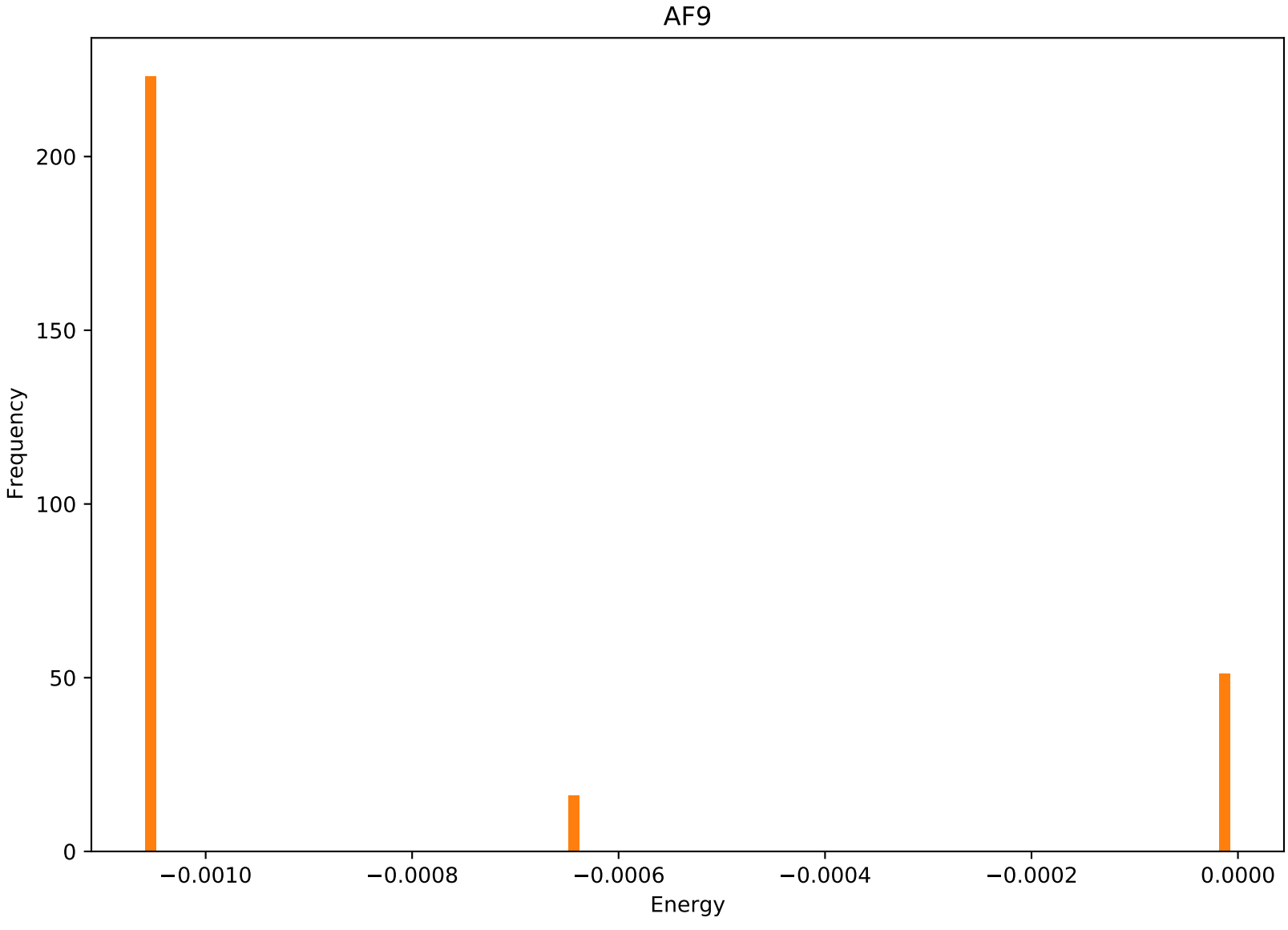

AF4
Frequency
Energy
Baseline: -3.17779
400
350
300
250
200
150
100
50
0
−4.0
−3.8
−3.6
−3.4
−3.2
−3.0
−2.8
−2.6

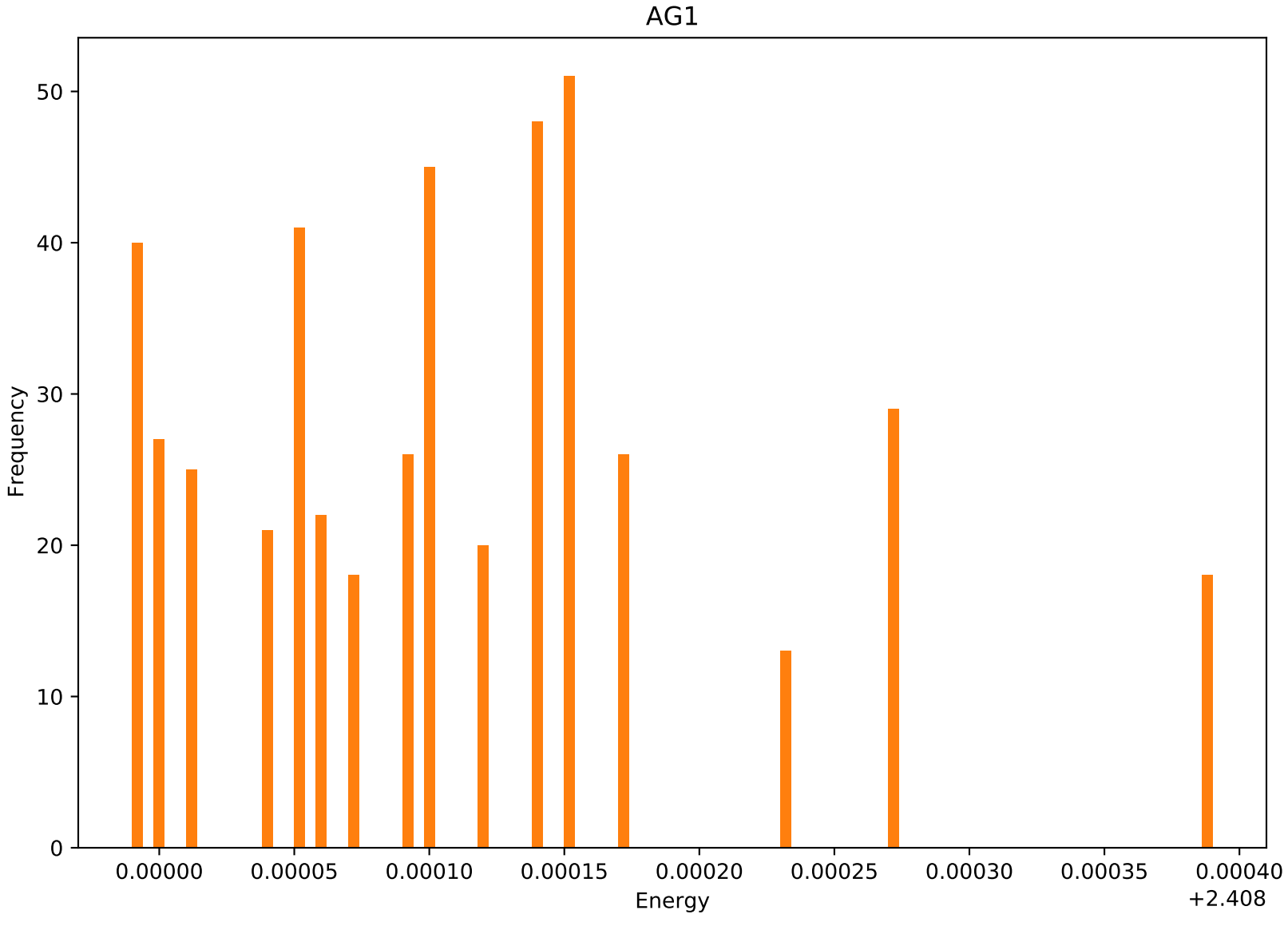

AF5
Frequency
250
200
150
100
50
0
−0.20
−0.18
−0.16
−0.14
Energy

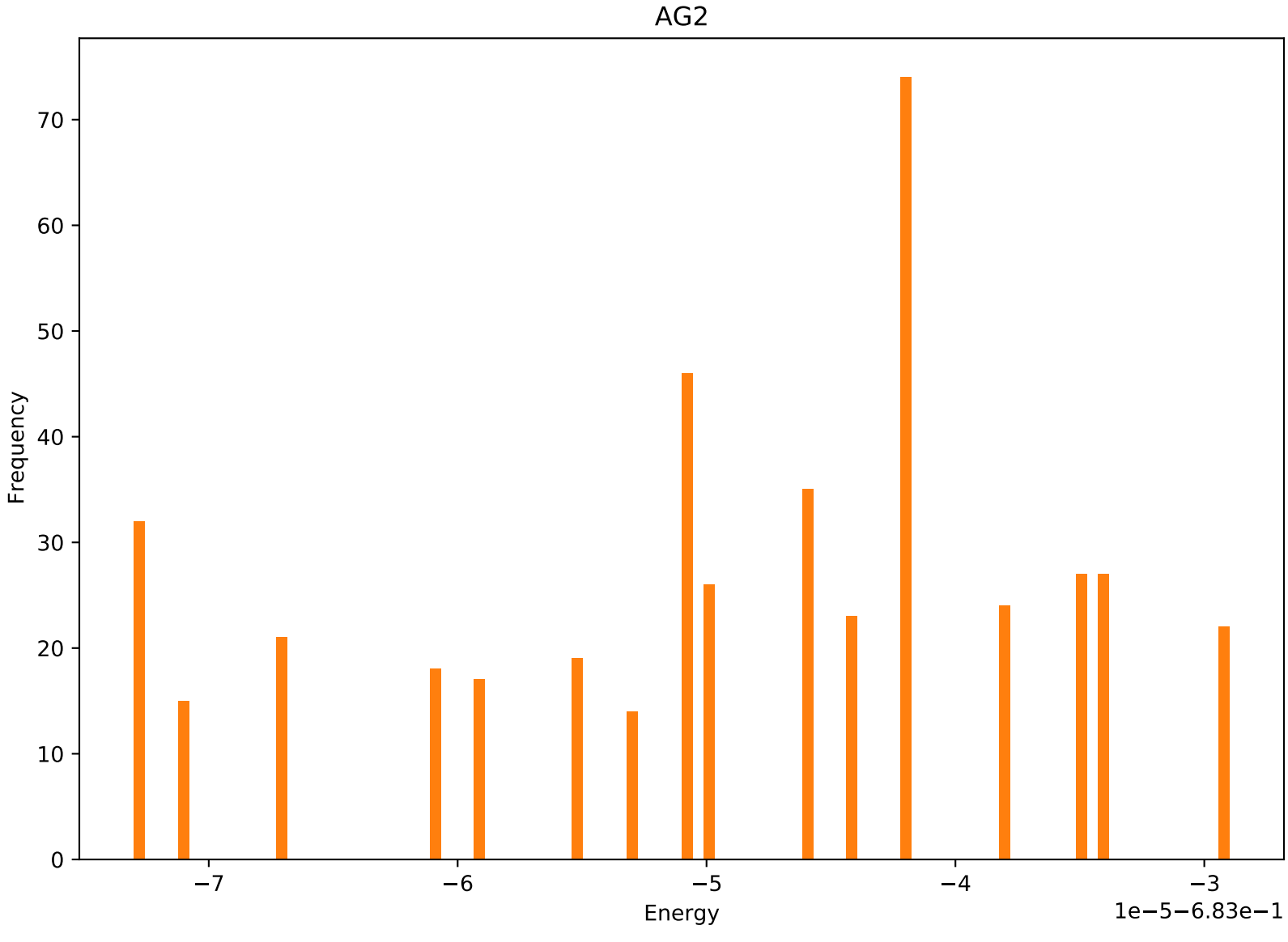

AF6
Frequency
250
200
150
100
50
0
−0.075
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

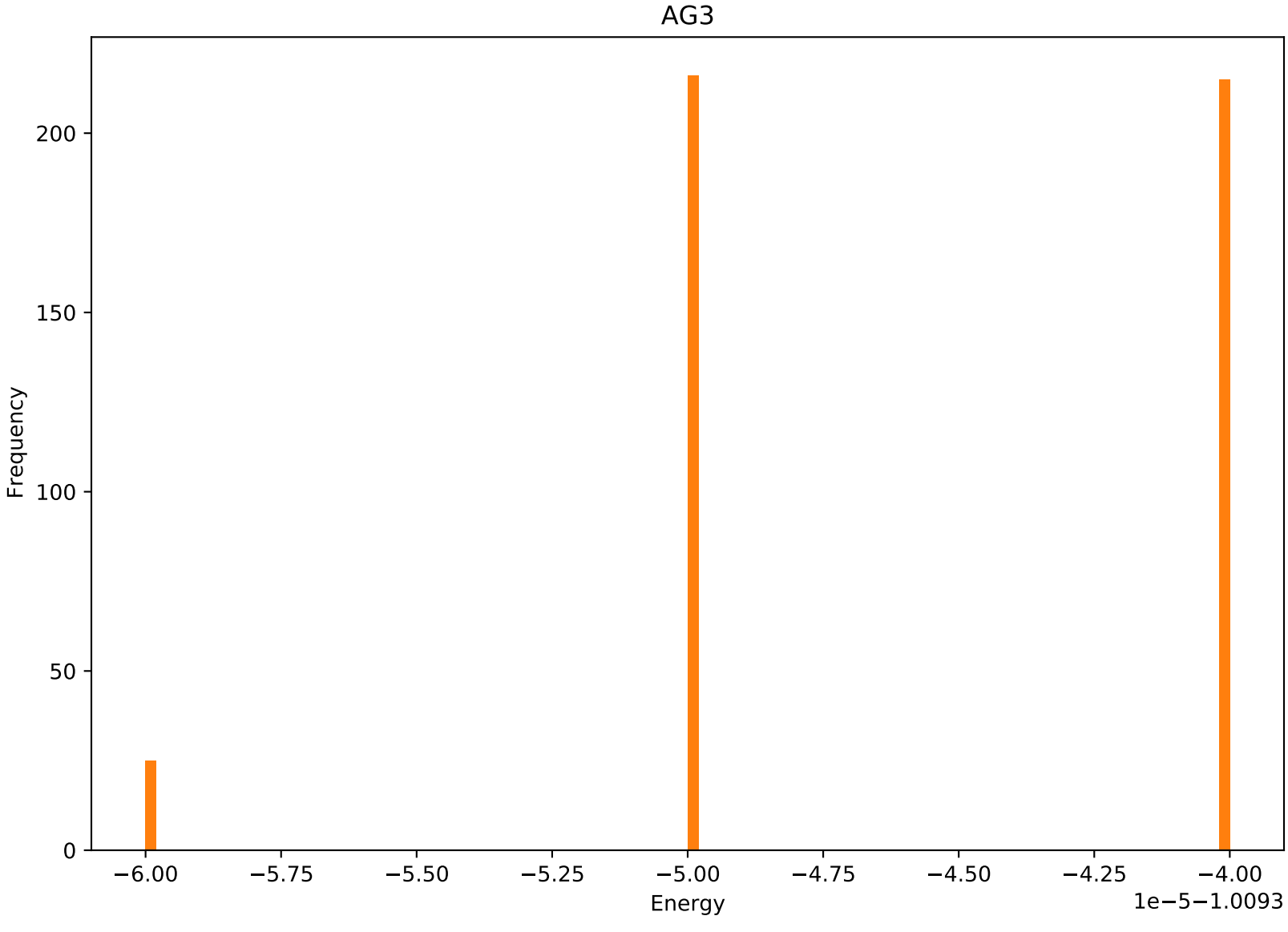

AF7
Frequency
250
200
150
100
50
0
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03
Energy

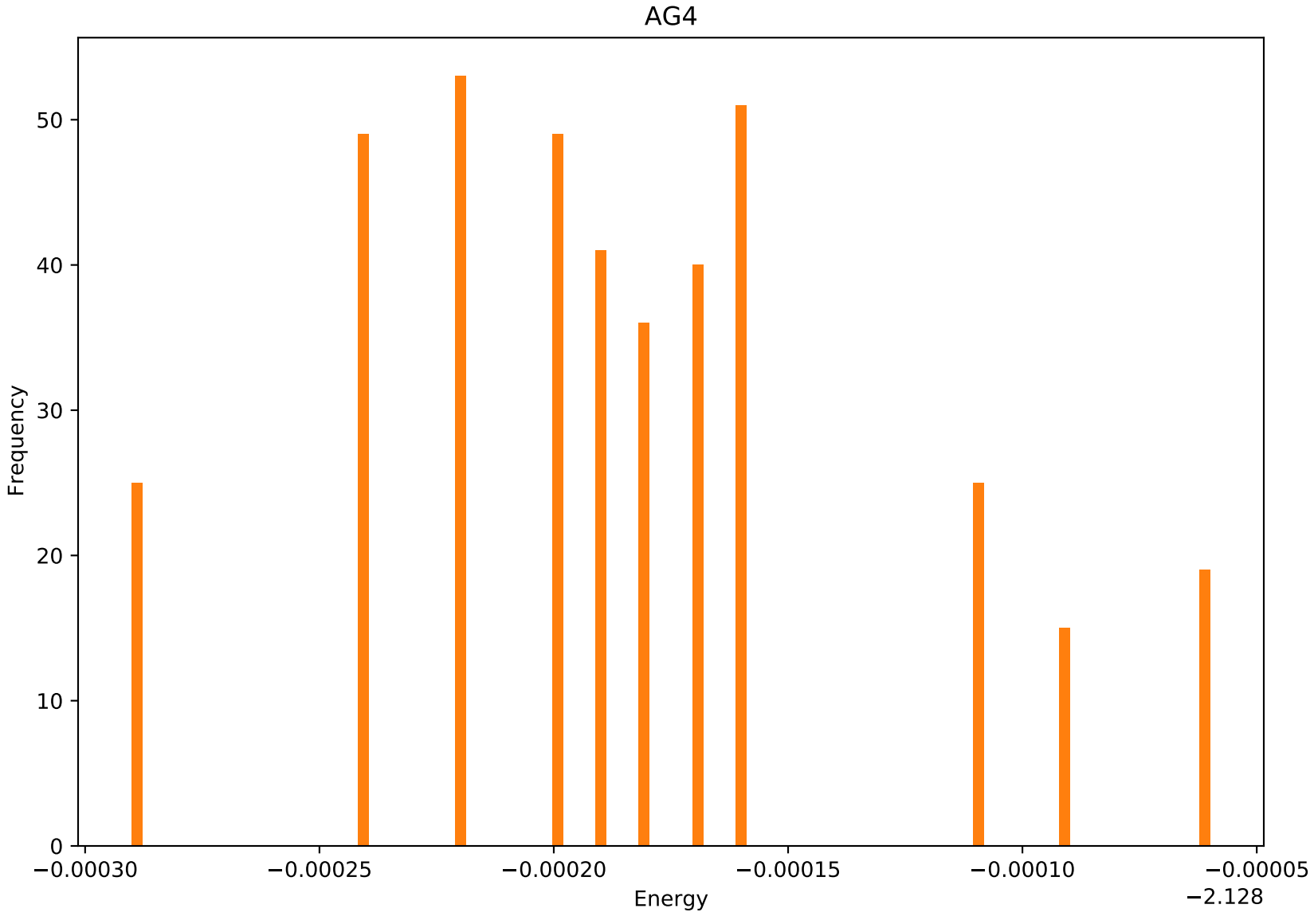

AF8
Frequency
200
150
100
50
0
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

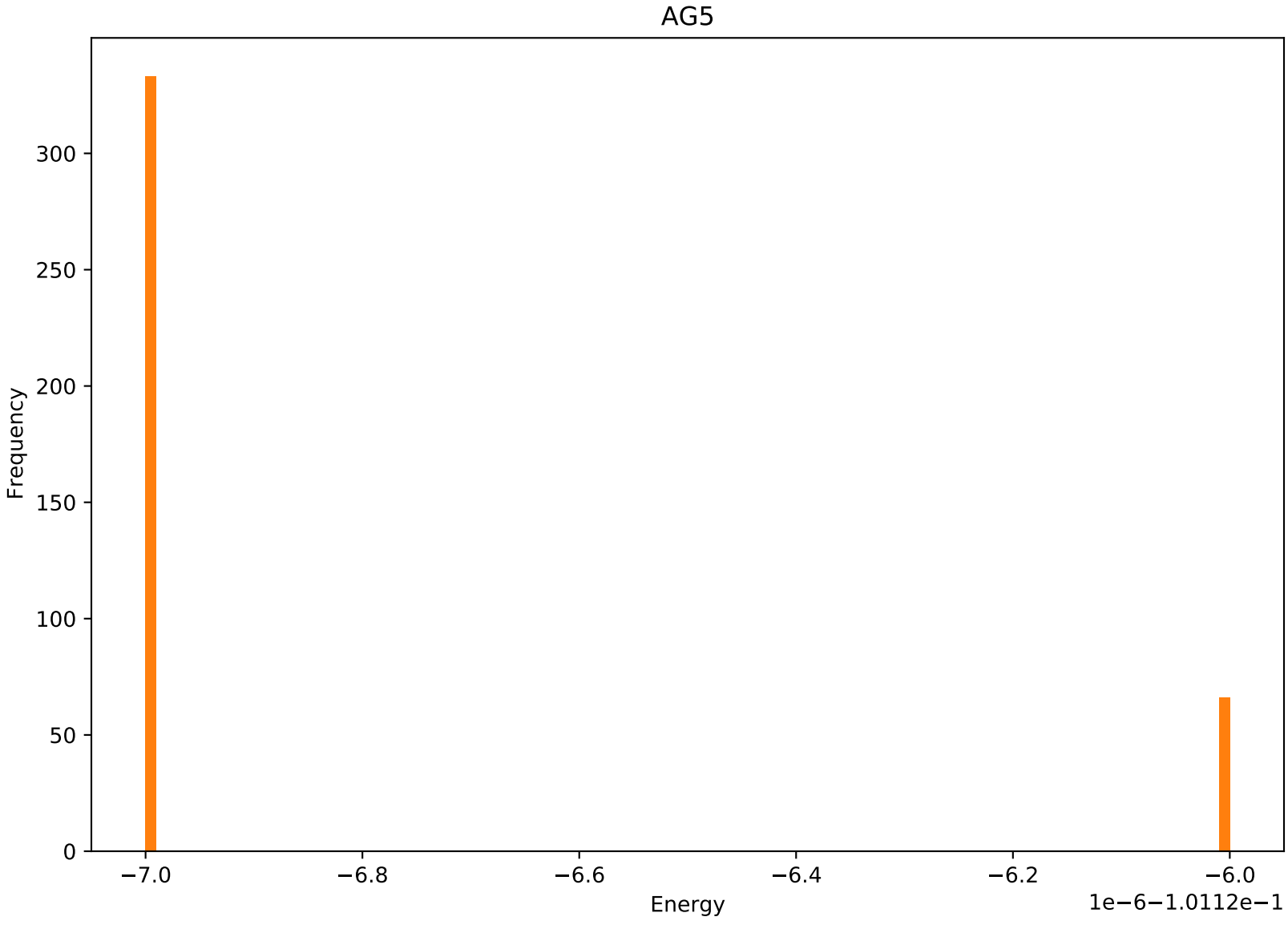

AF9
Frequency
200
150
100
50
0
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

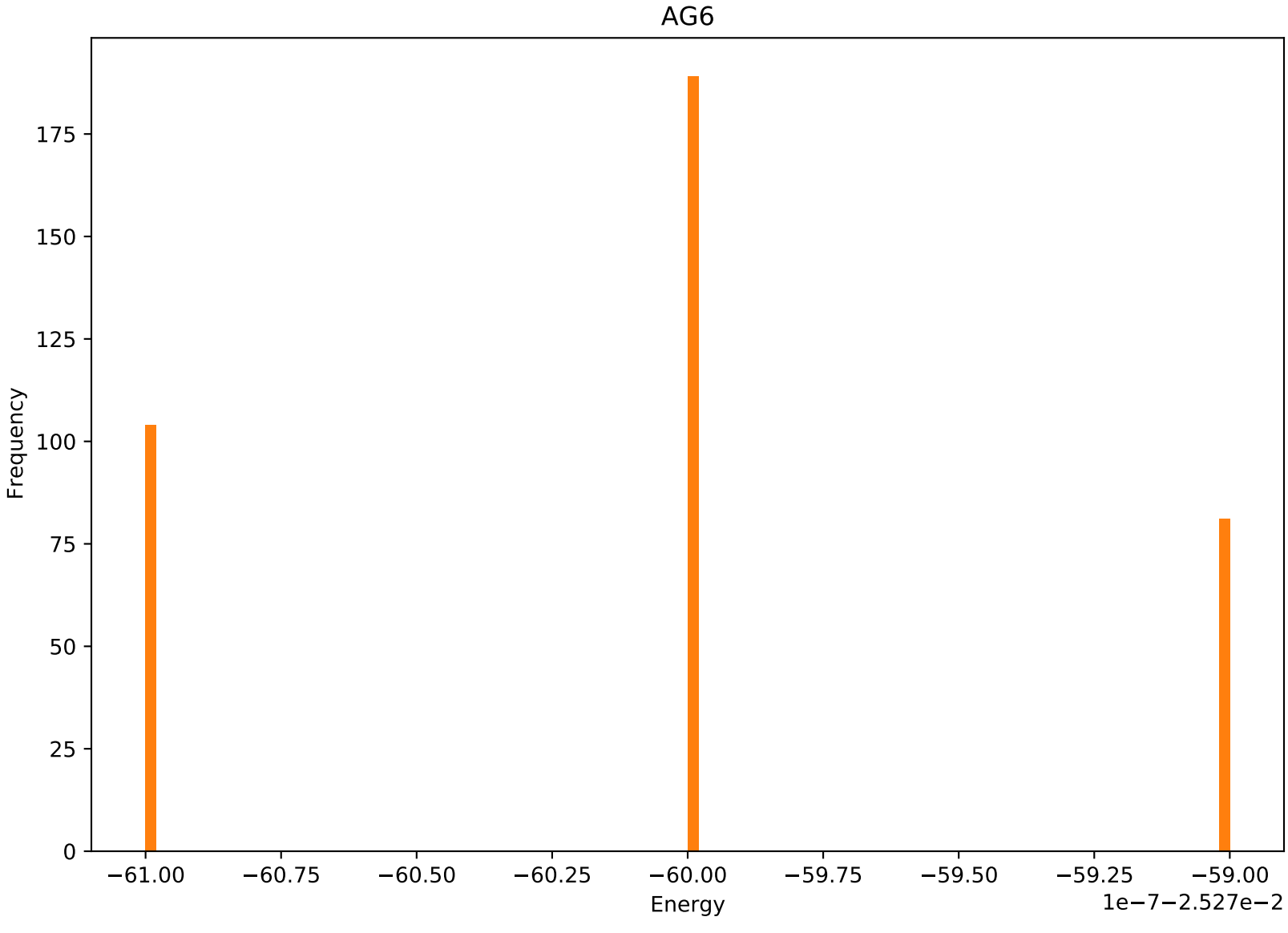

AG1
Frequency
0
10
20
30
40
50
0.00000
0.00005
0.00010
0.00015
0.00020
0.00025
0.00030
0.00035
0.00040
Energy
+2.408

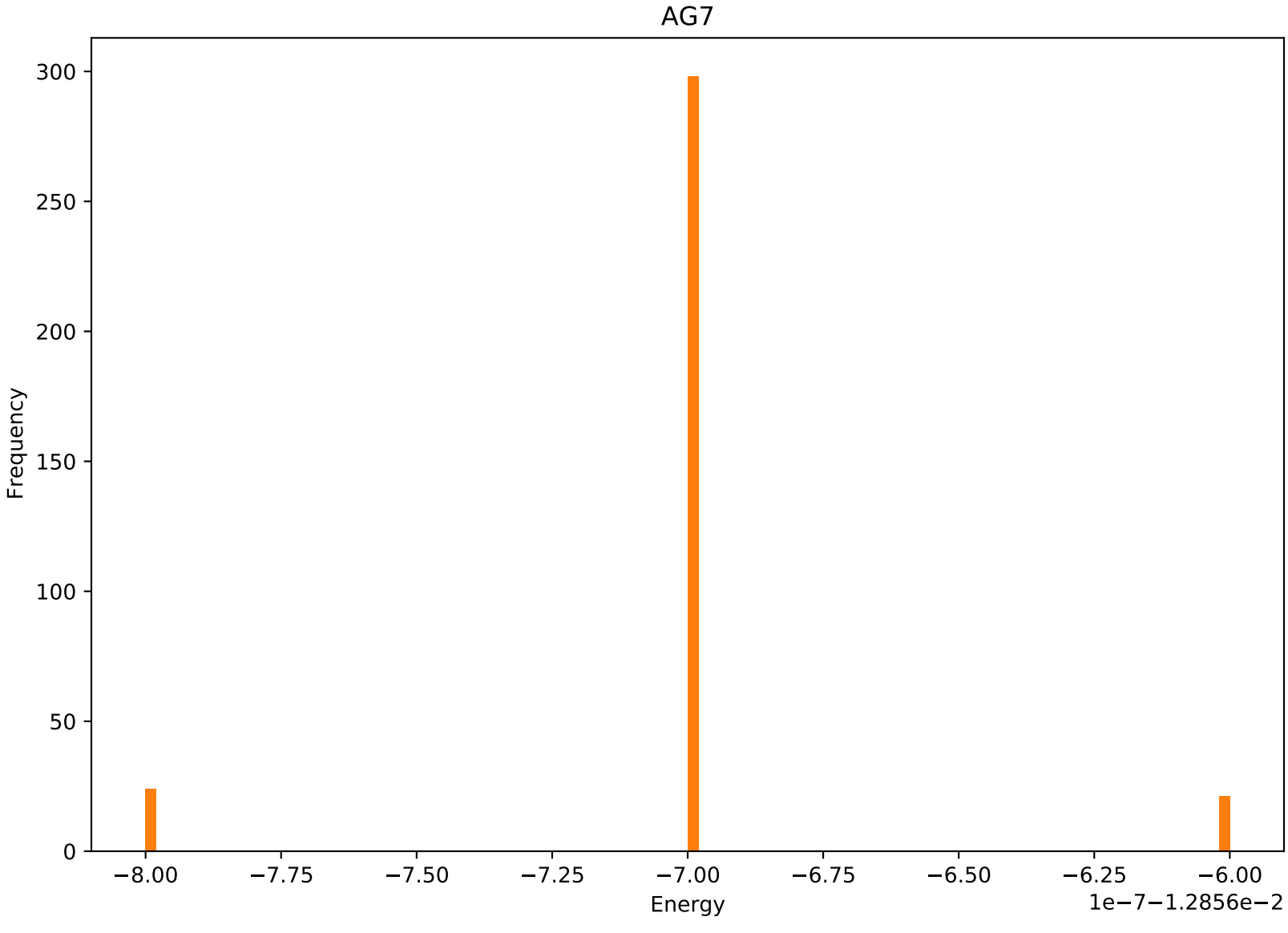

AG2
Frequency
0
10
20
30
40
50
60
70
−7
−6
−5
−4
−3
Energy
1e−5−6.83e−1

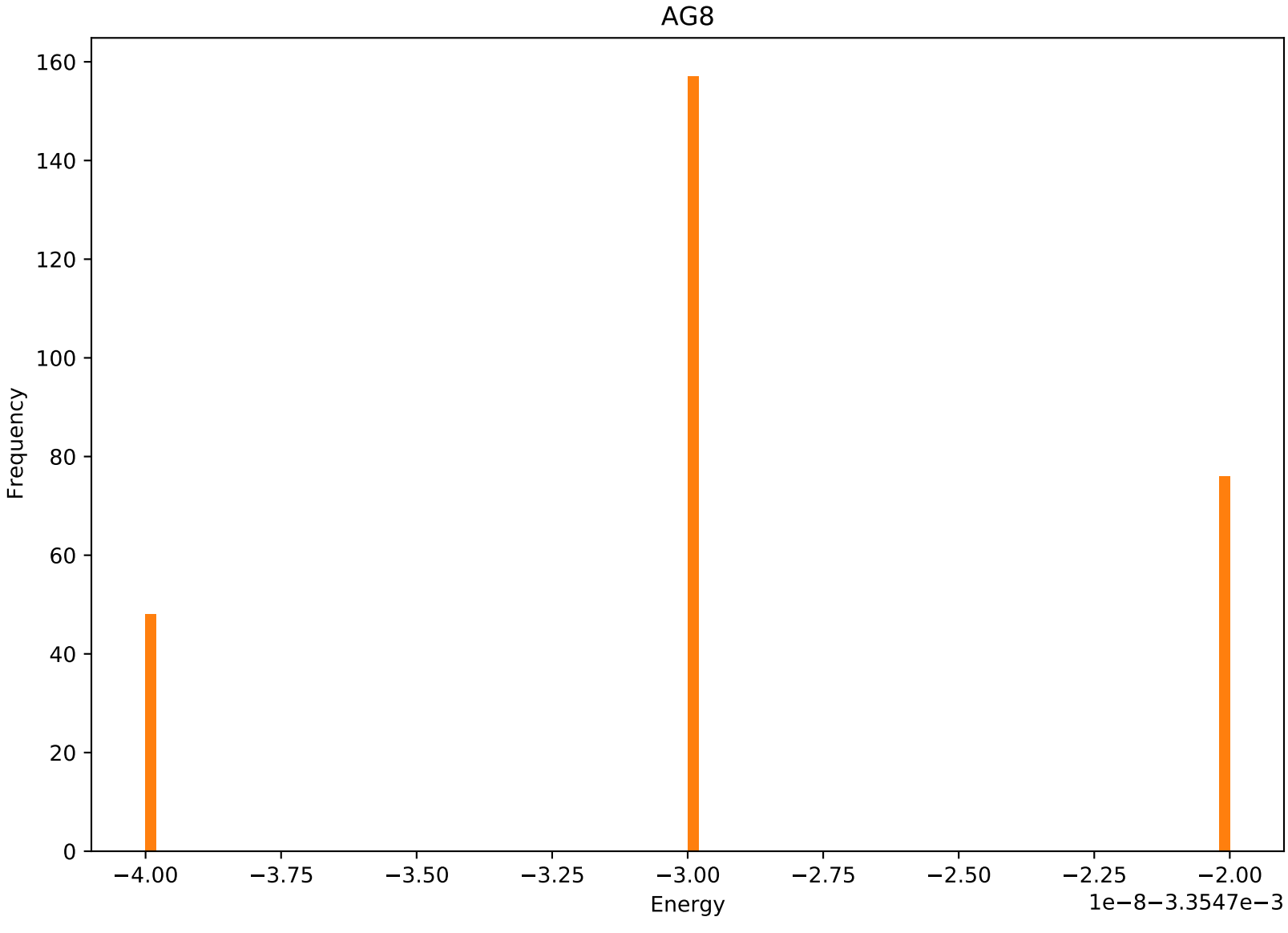

AG3
200
150
100
50
0
Frequency
−6.00
−5.75
−5.50
−5.25
−5.00
−4.75
−4.50
−4.25
−4.00
Energy
1e−5−1.0093

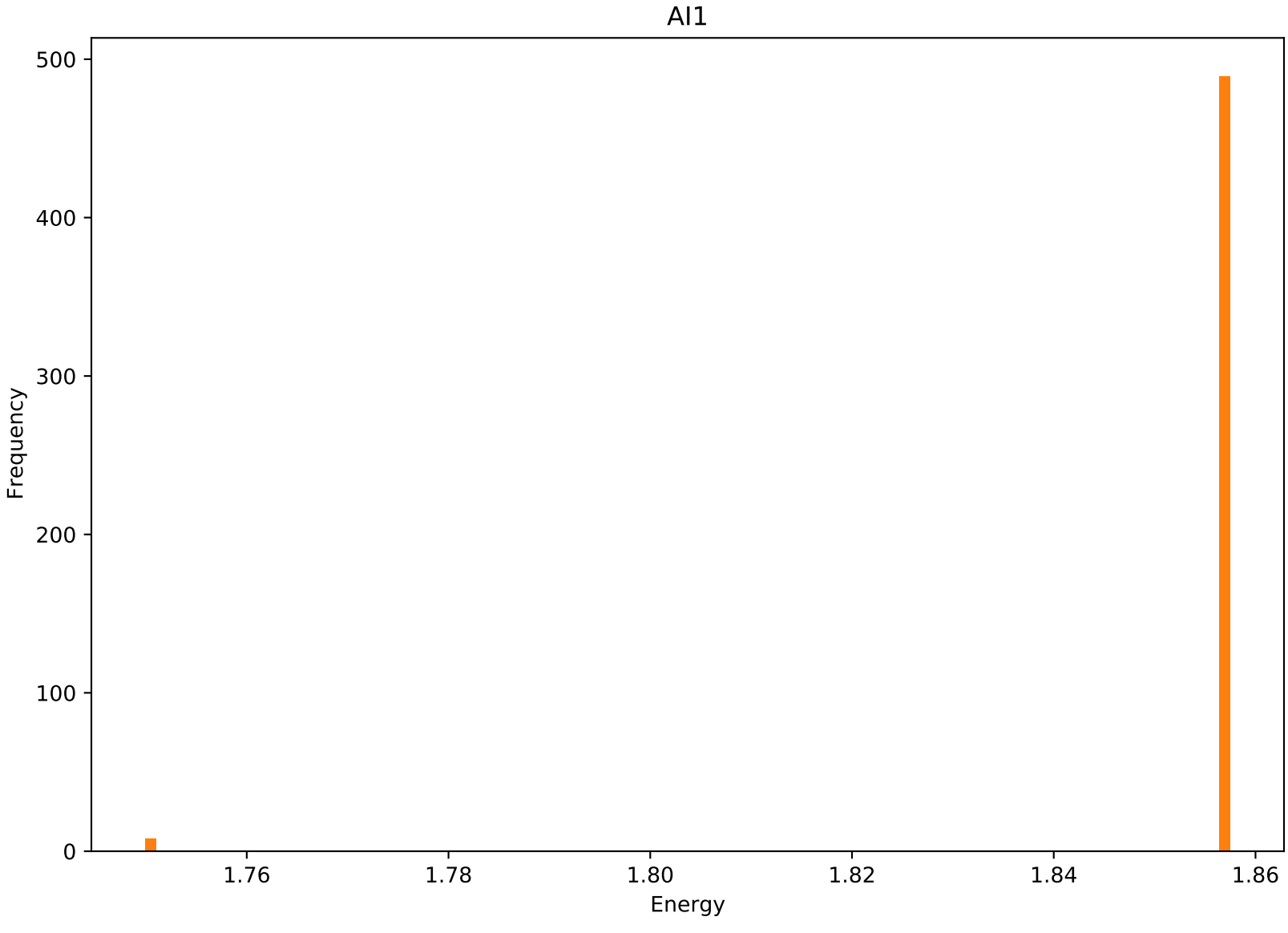

AG4
Frequency
0
10
20
30
40
50
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy
−2.128

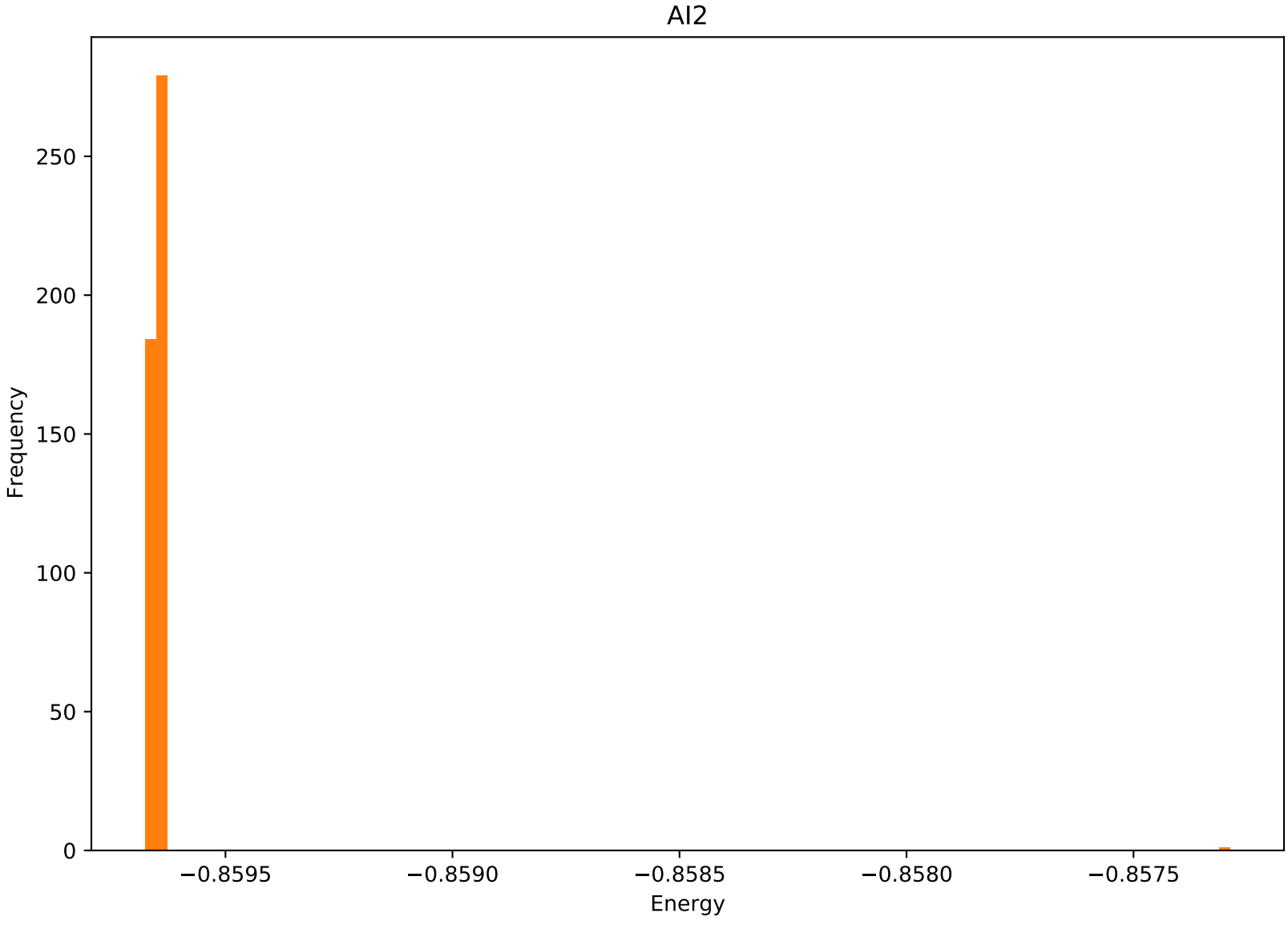

AG5
Frequency
300
250
200
150
100
50
0
−7.0
−6.8
−6.6
−6.4
−6.2
−6.0
Energy
1e−6−1.0112e−1

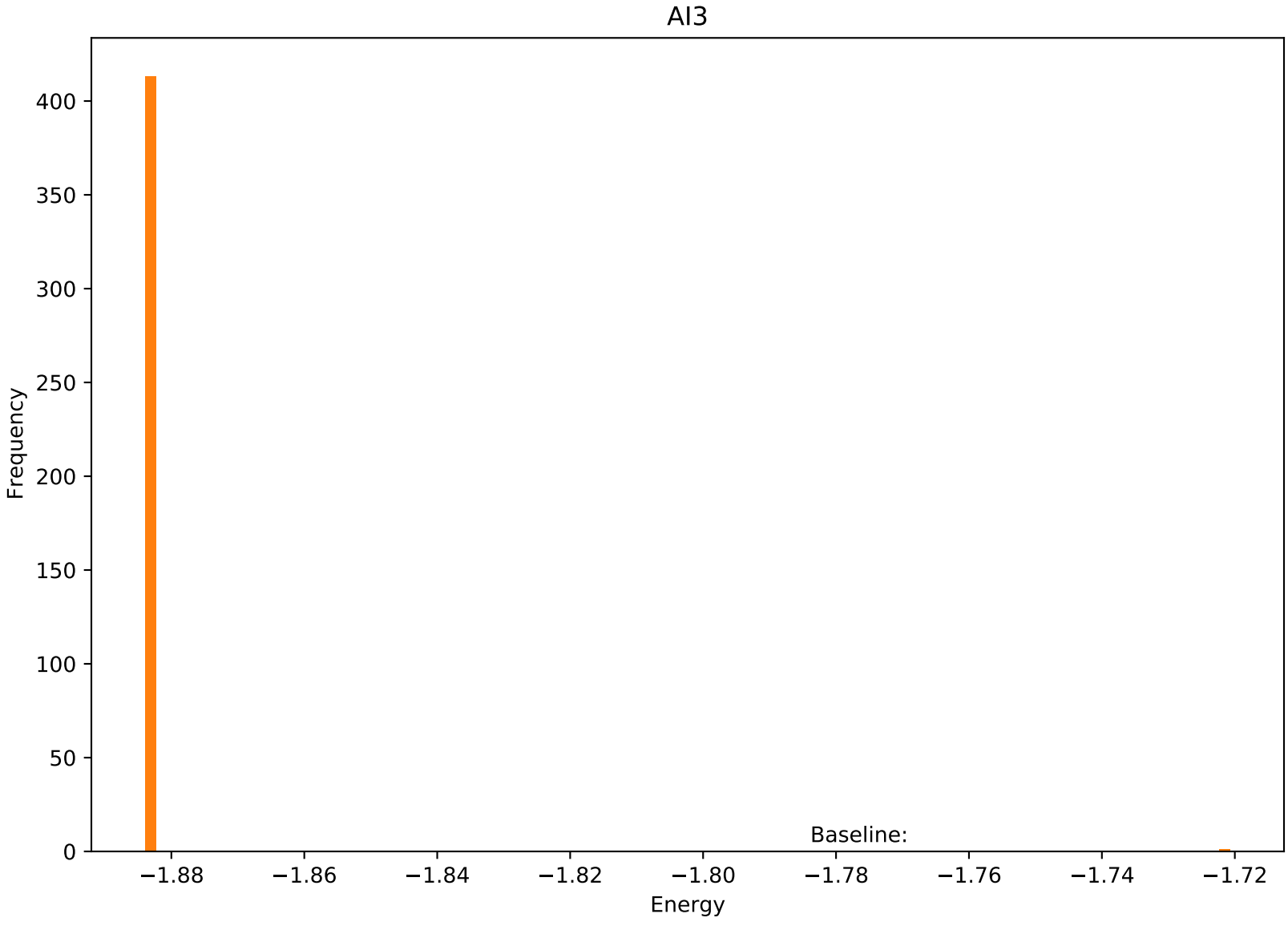

AG6
175
150
125
100
75
50
25
0
Frequency
−61.00
−60.75
−60.50
−60.25
−60.00
−59.75
−59.50
−59.25
−59.00
Energy
1e−7−2.527e−2

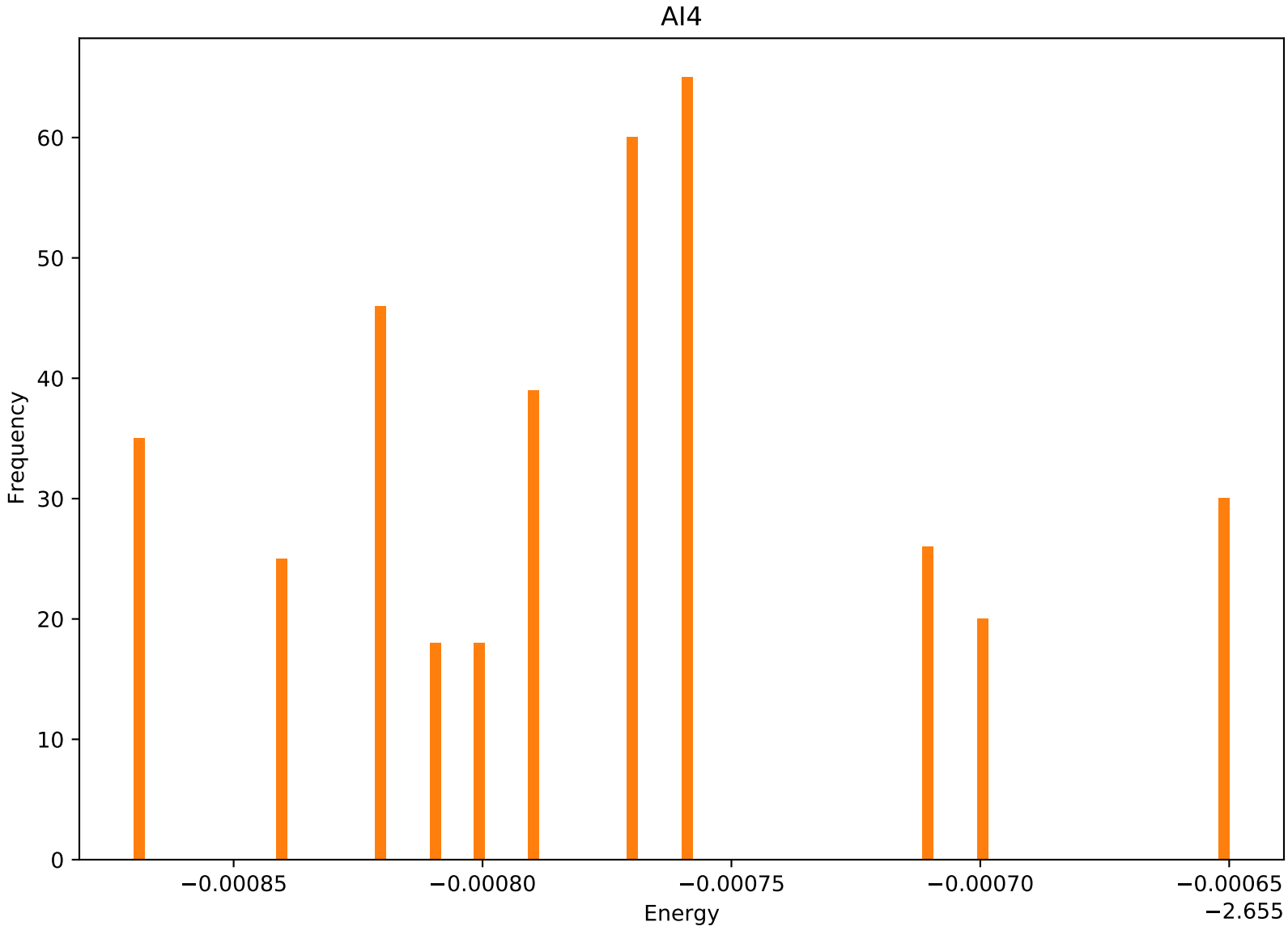

AG7
300
250
200
150
100
50
0
Frequency
−8.00
−7.75
−7.50
−7.25
−7.00
−6.75
−6.50
−6.25
−6.00
Energy
1e−7−1.2856e−2

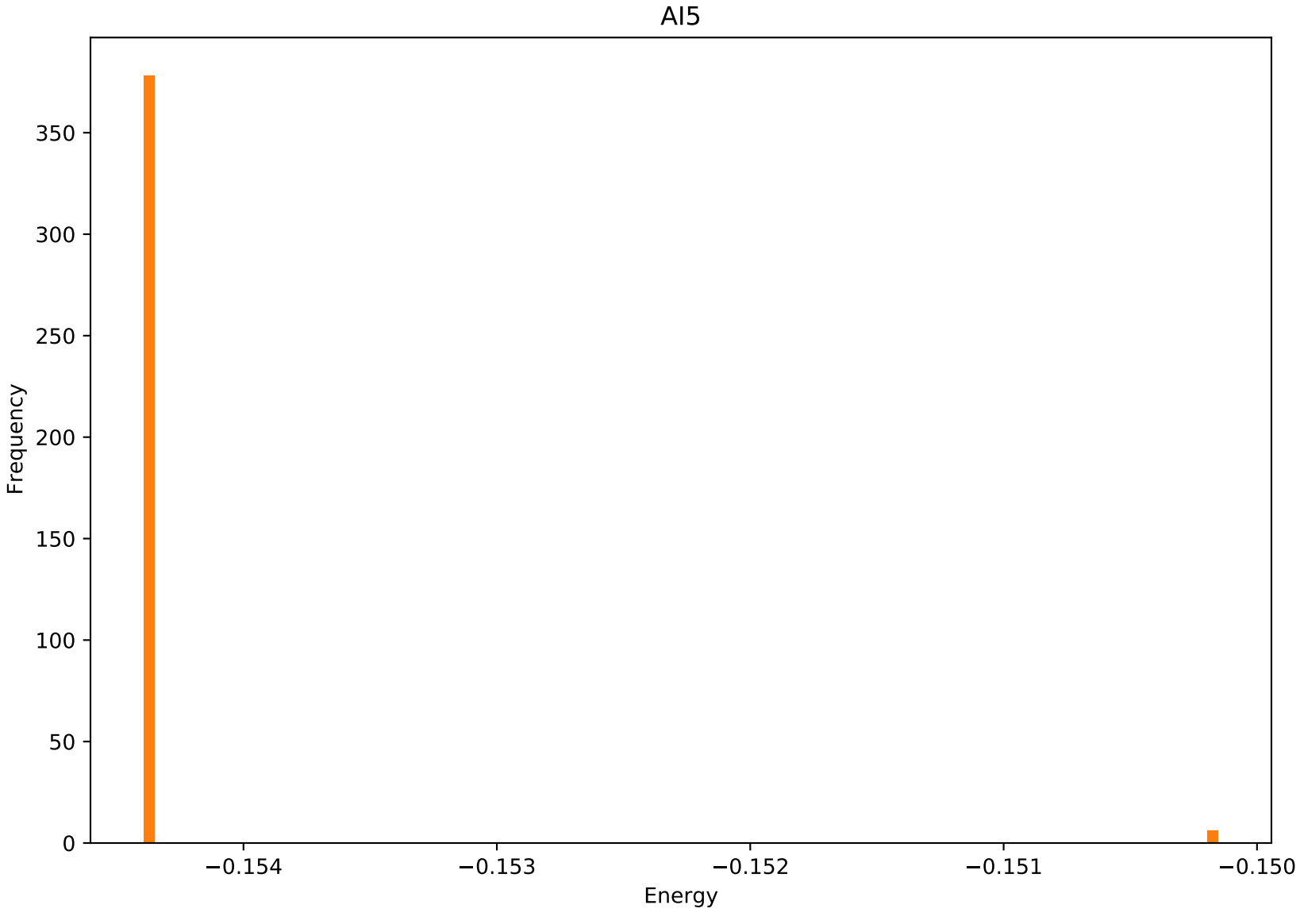

AG8
160
140
120
100
80
60
40
20
0
Frequency
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
Energy
1e−8−3.3547e−3

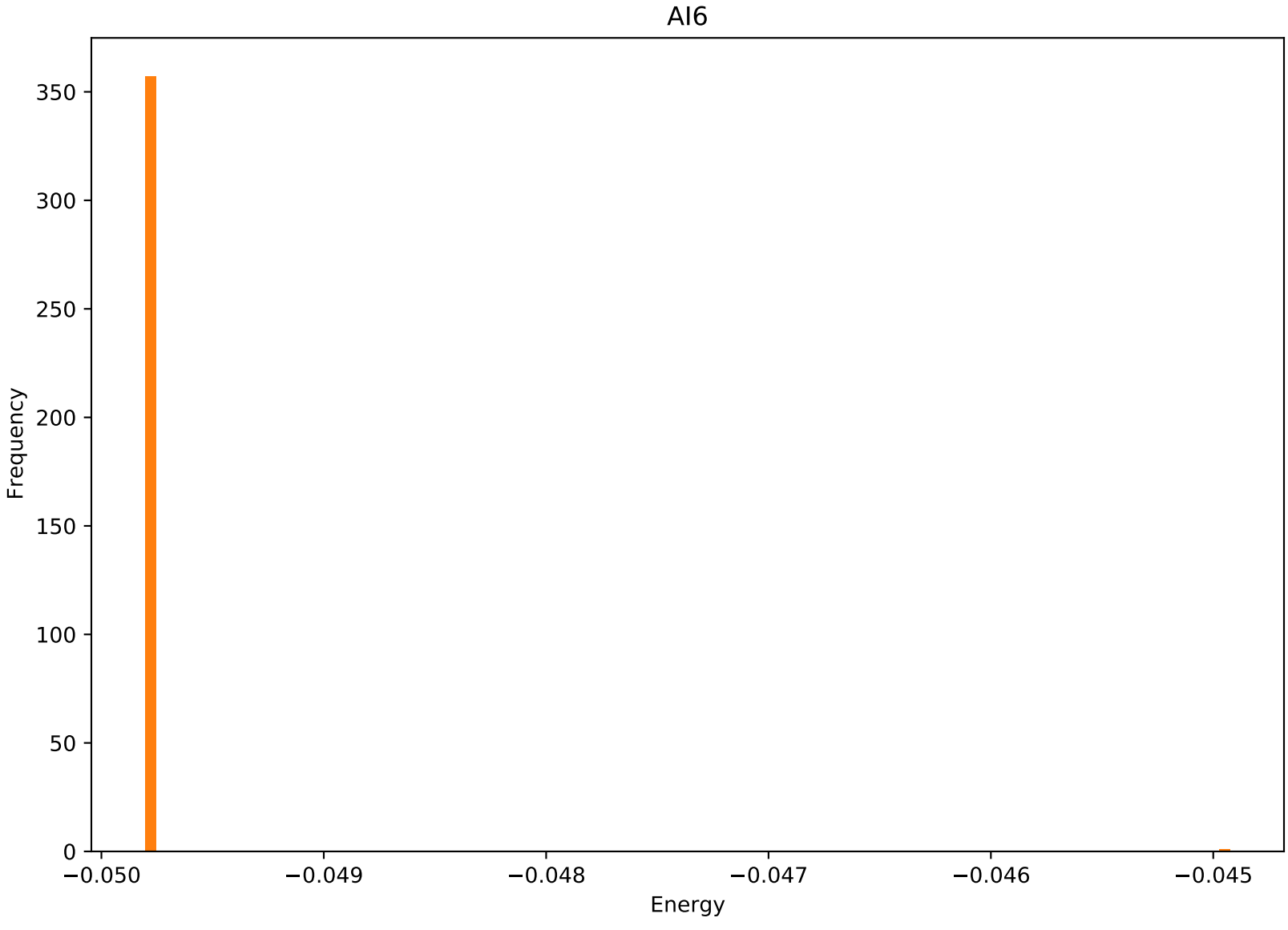

Al1
500
400
300
200
100
0
Frequency
1.76
1.78
1.80
1.82
1.84
1.86
Energy

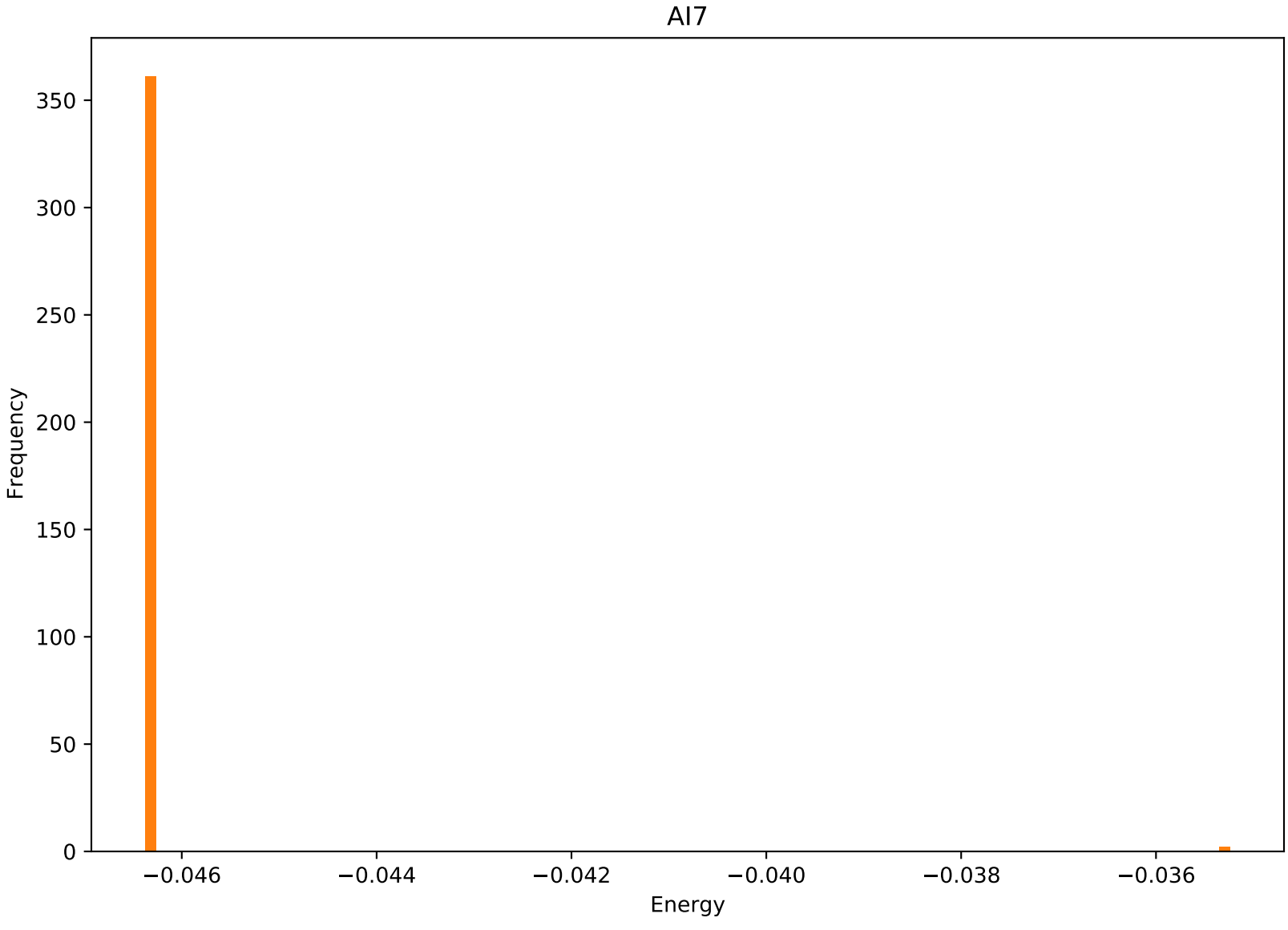

Al2
Frequency
250
200
150
100
50
0
−0.8595
−0.8590
−0.8585
−0.8580
−0.8575
Energy

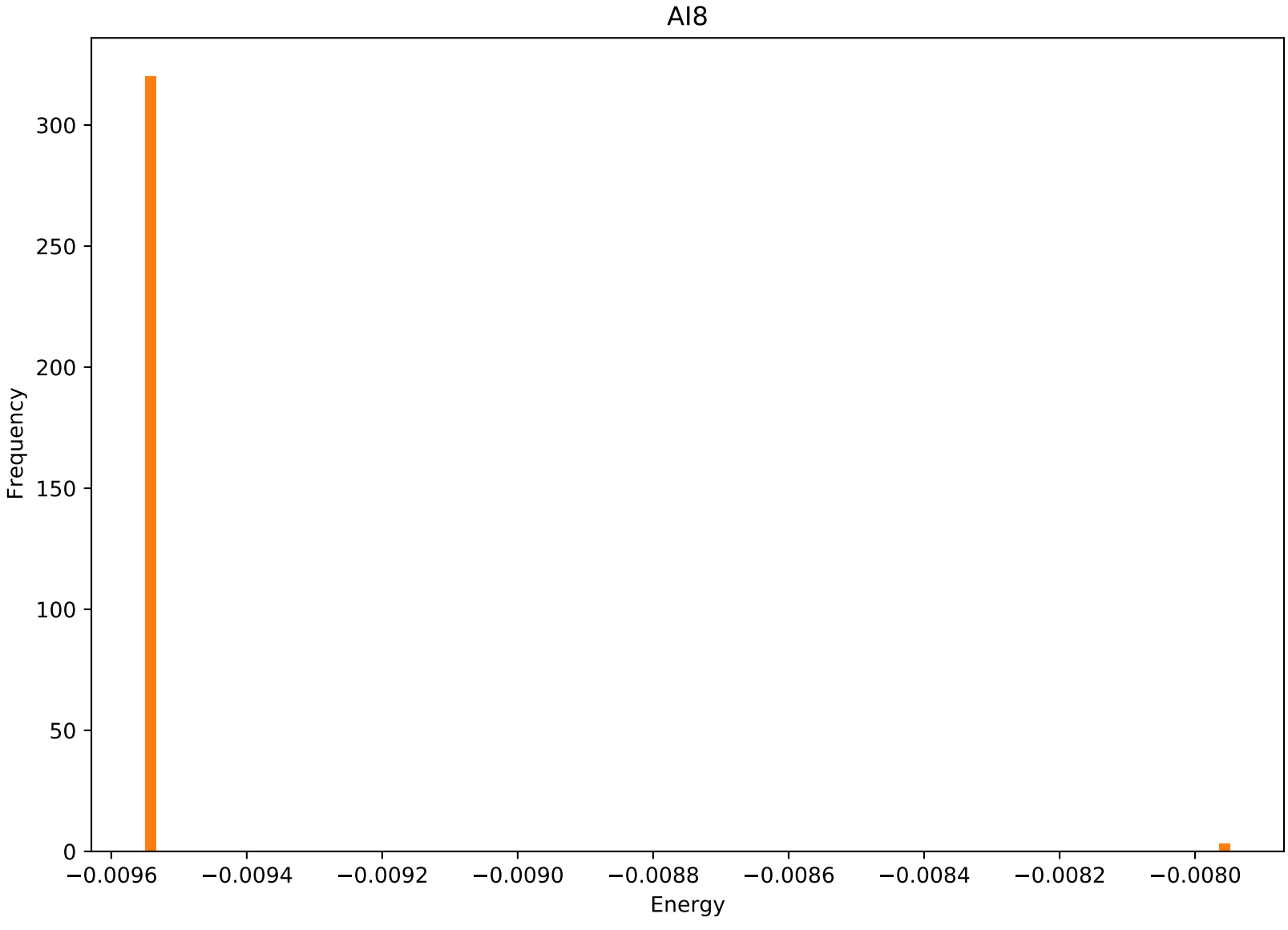

Al3
Frequency
400
350
300
250
200
150
100
50
0
Baseline:
−1.88
−1.86
−1.84
−1.82
−1.80
−1.78
−1.76
−1.74
−1.72
Energy

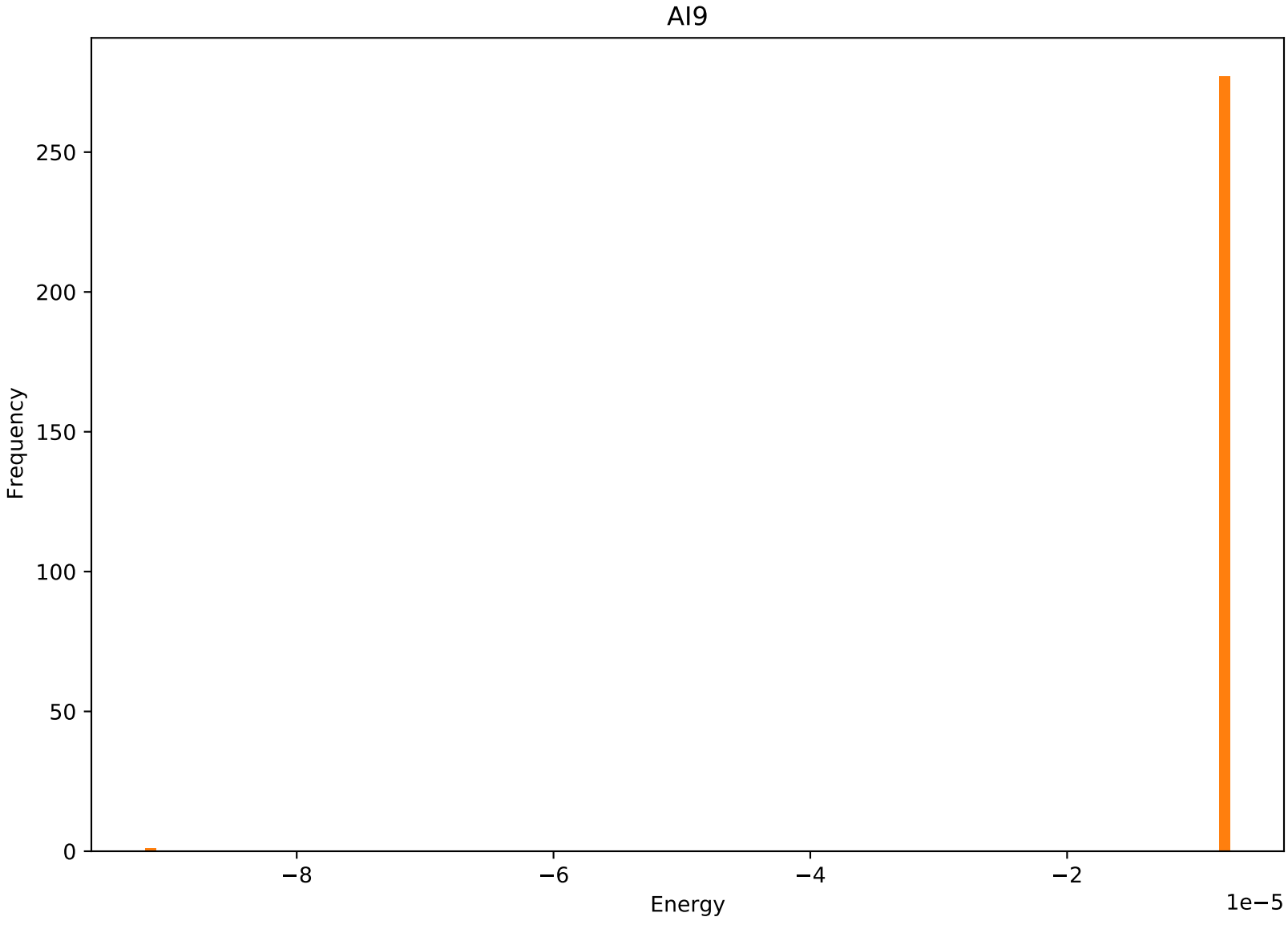

Al4
Frequency
0
10
20
30
40
50
60
−0.00085
−0.00080
−0.00075
−0.00070
−0.00065
Energy
−2.655

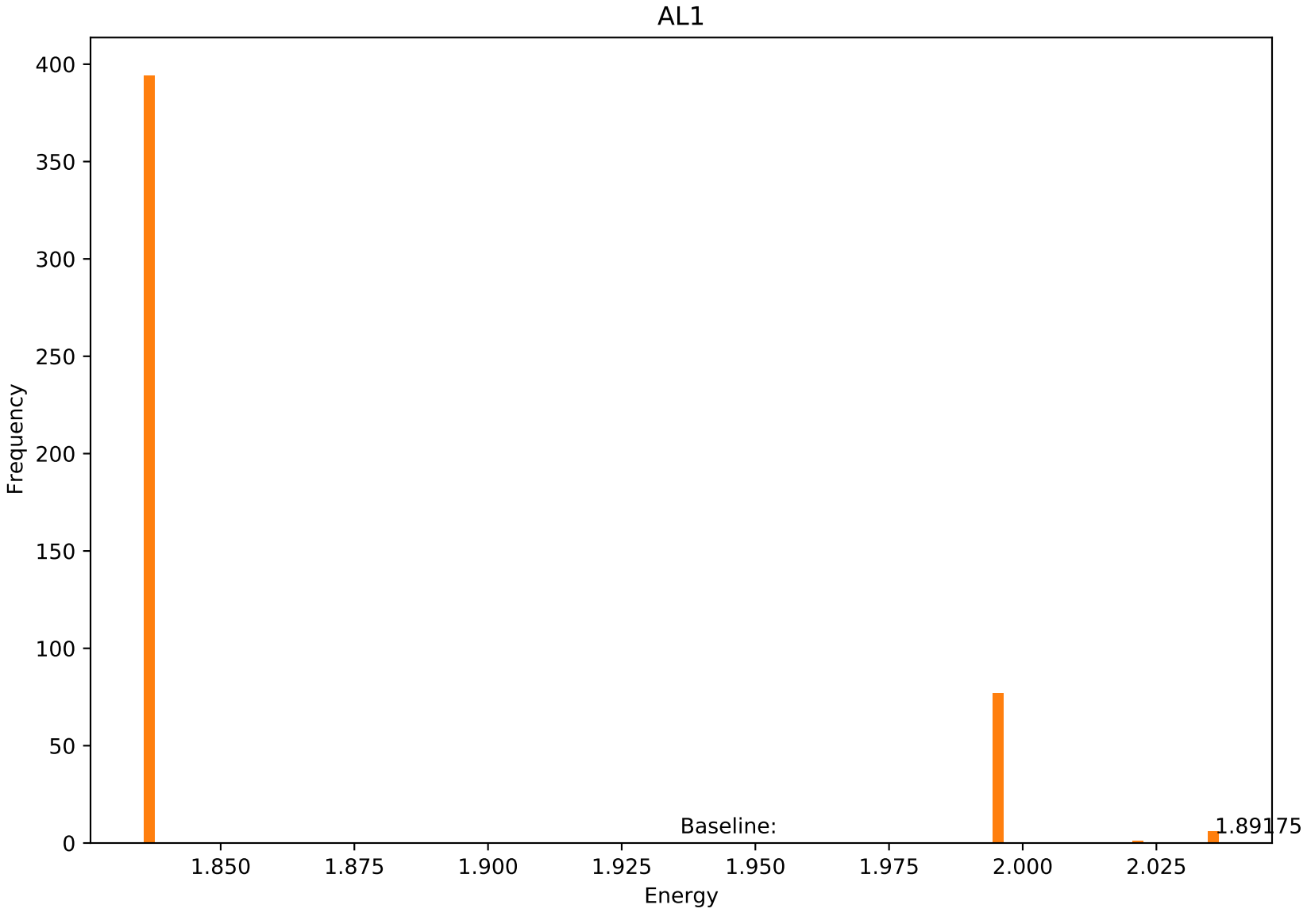

Al5
Frequency
350
300
250
200
150
100
50
0
−0.154
−0.153
−0.152
−0.151
−0.150
Energy

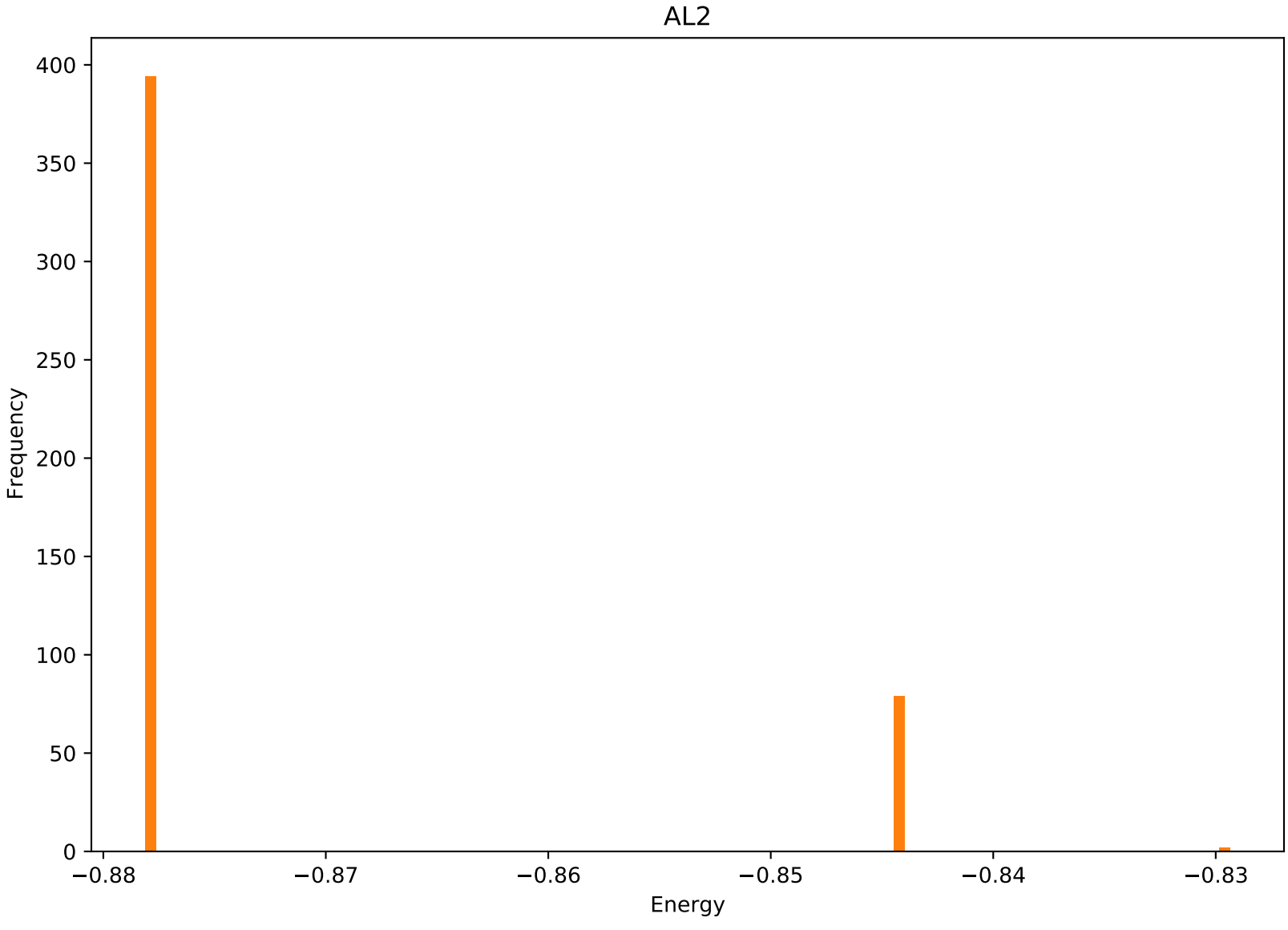

Al6
Frequency
Energy
0
50
100
150
200
250
300
350
−0.050
−0.049
−0.048
−0.047
−0.046
−0.045

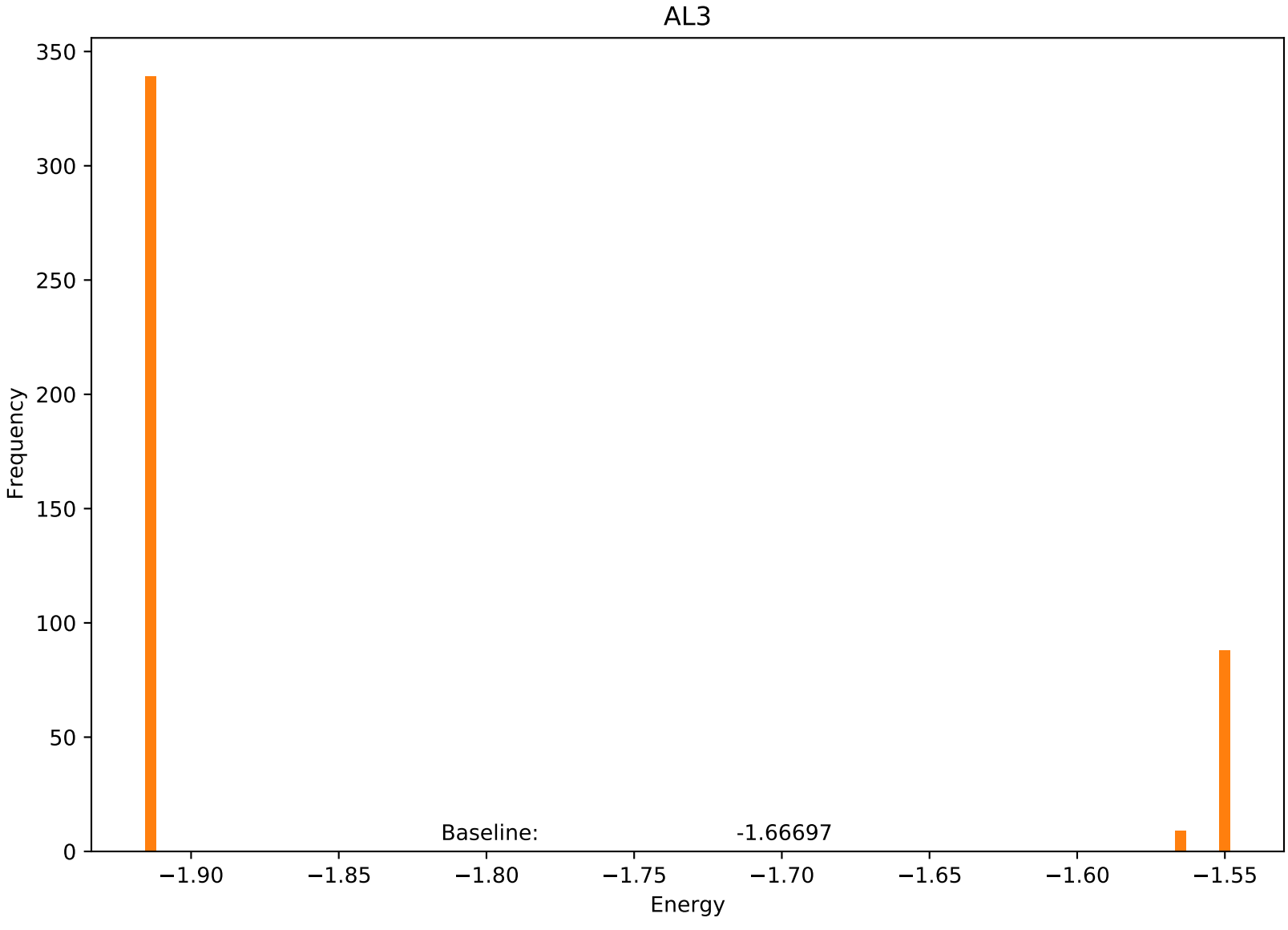

Al7
Frequency
350
300
250
200
150
100
50
0
−0.046
−0.044
−0.042
−0.040
−0.038
−0.036
Energy

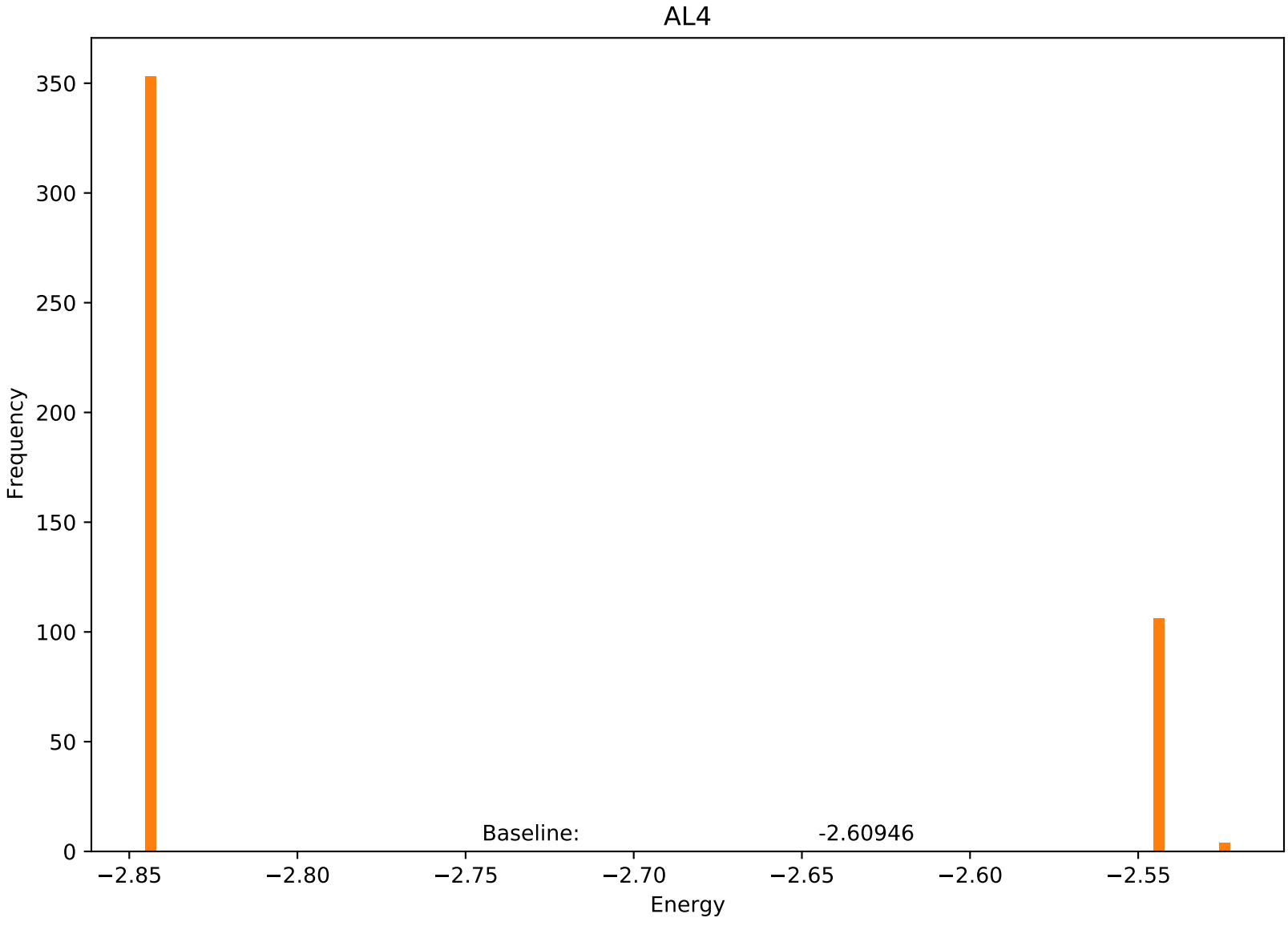

Al8
Frequency
300
250
200
150
100
50
0
−0.0096
−0.0094
−0.0092
−0.0090
−0.0088
−0.0086
−0.0084
−0.0082
−0.0080
Energy

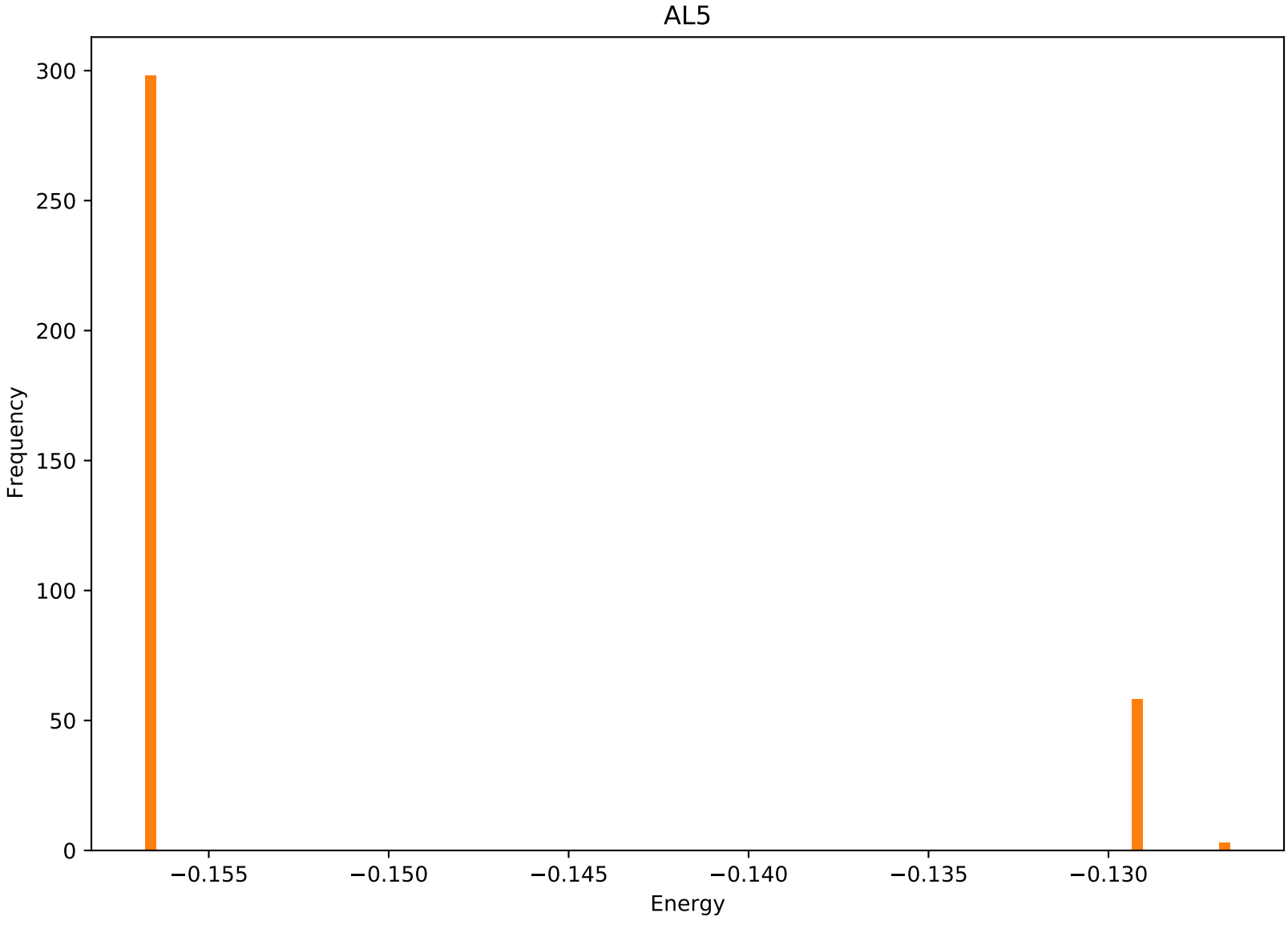

Al9
250
200
150
100
50
0
Frequency
−8
−6
−4
−2
Energy
1e−5

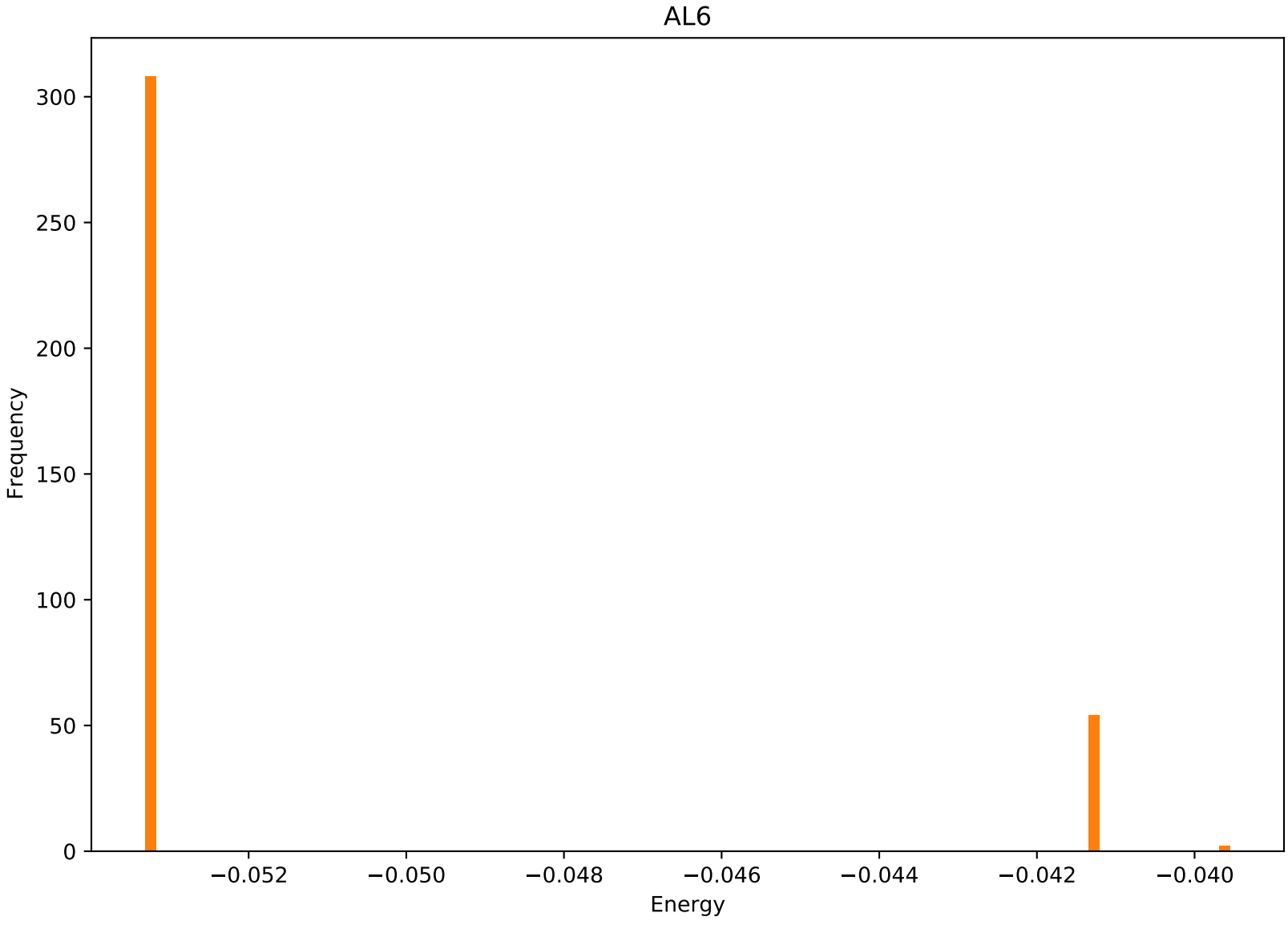

AL1
Frequency
Energy
Baseline:
1.89175
0
50
100
150
200
250
300
350
400
1.850
1.875
1.900
1.925
1.950
1.975
2.000
2.025

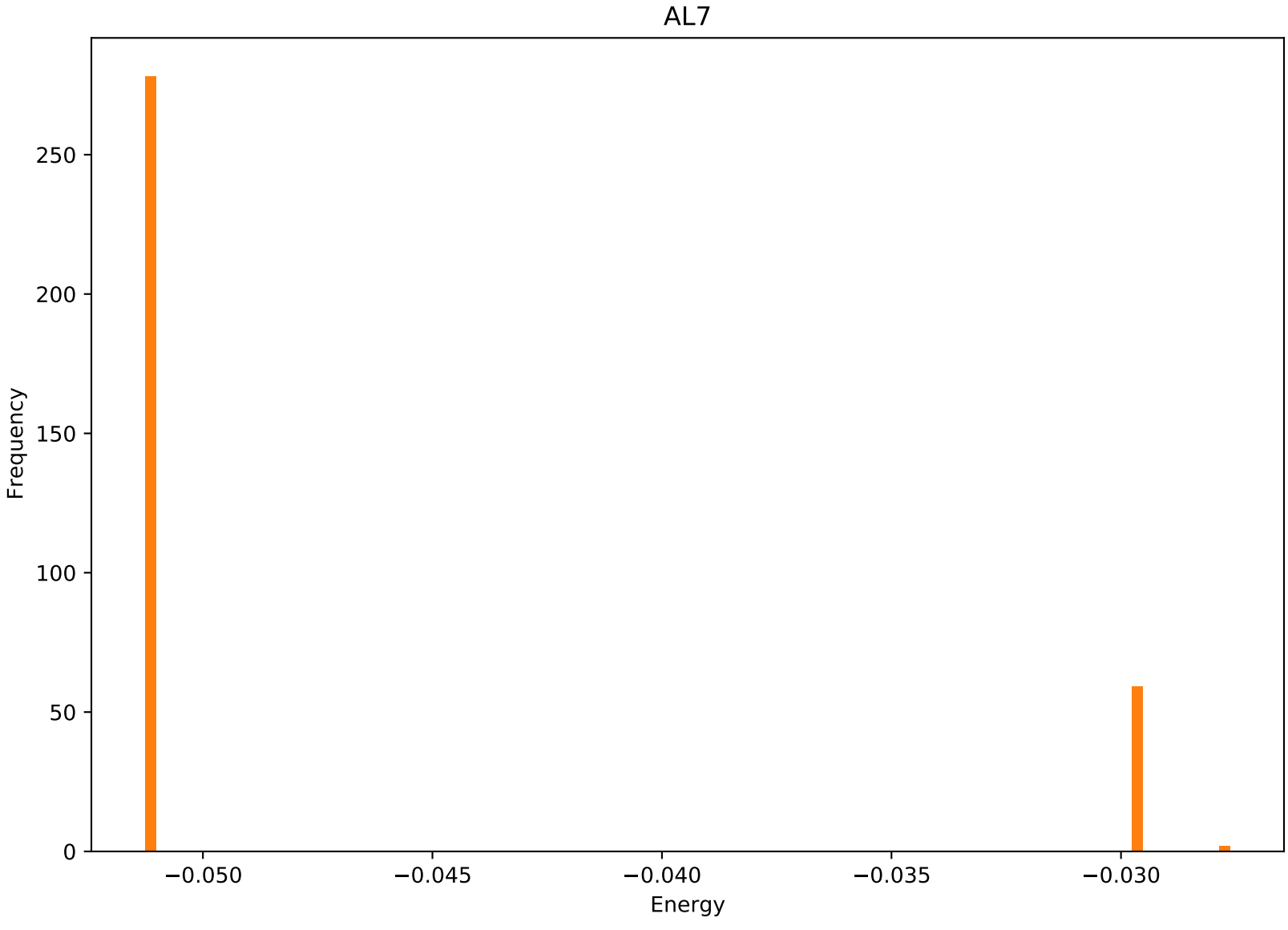

AL2
Frequency
Energy
400
350
300
250
200
150
100
50
0
−0.88
−0.87
−0.86
−0.85
−0.84
−0.83

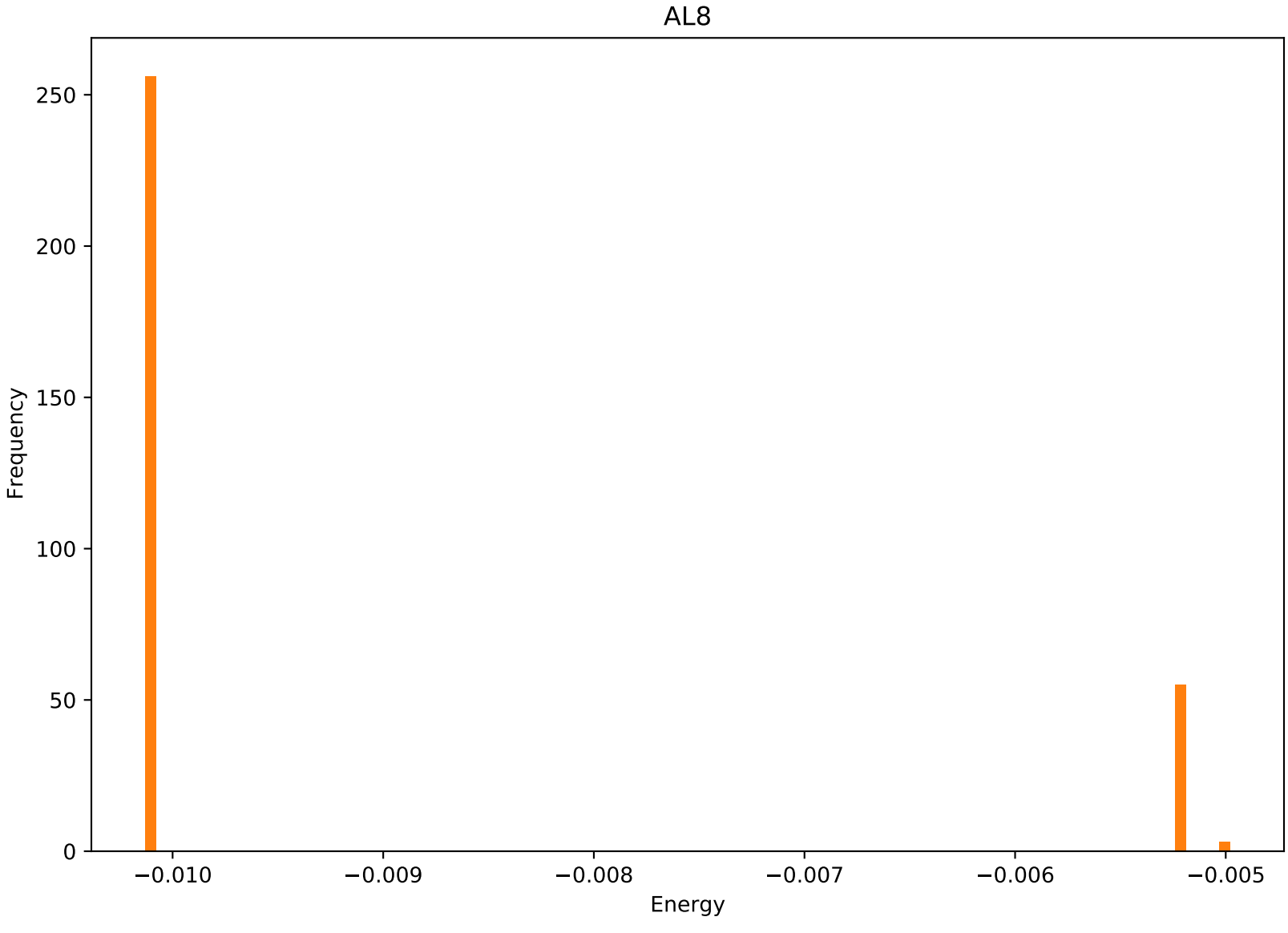

AL3
350
300
250
200
150
100
50
0
Frequency
Baseline:
-1.66697
−1.90
−1.85
−1.80
−1.75
−1.70
−1.65
−1.60
−1.55
Energy

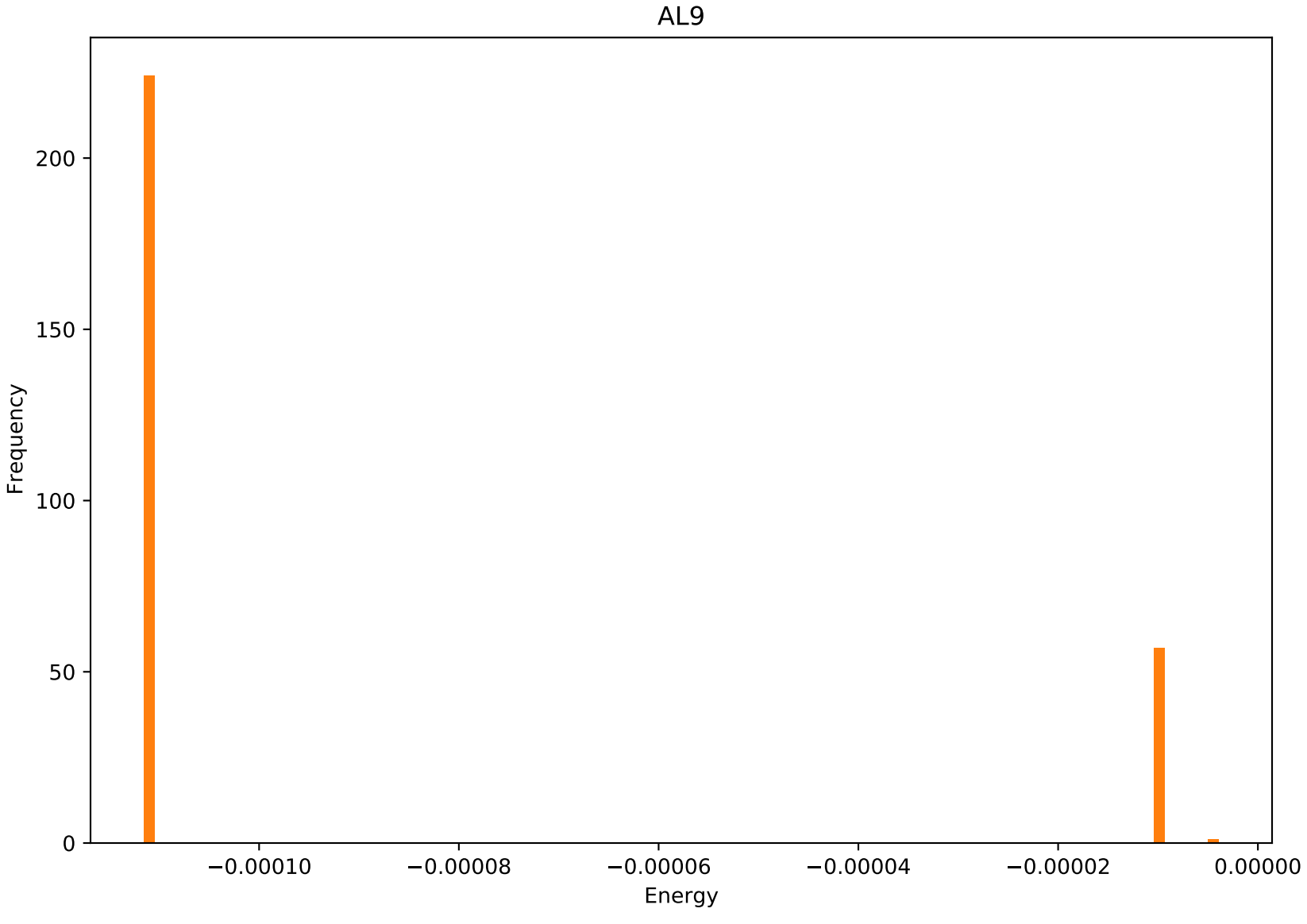

AL4
Frequency
Energy
Baseline:
-2.60946
0
50
100
150
200
250
300
350
−2.85
−2.80
−2.75
−2.70
−2.65
−2.60
−2.55

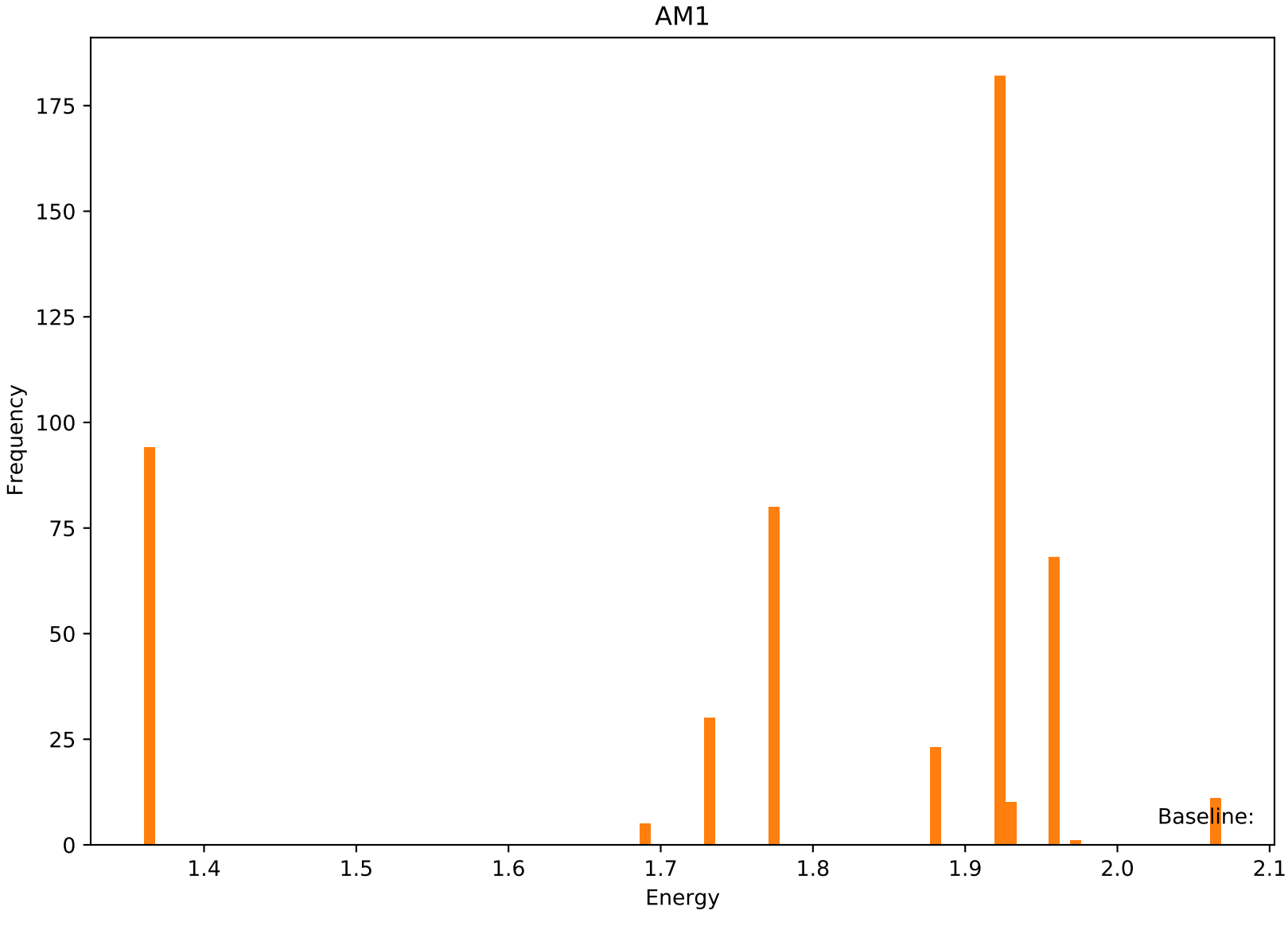

AL5
300
250
200
150
100
50
0
Frequency
−0.155
−0.150
−0.145
−0.140
−0.135
−0.130
Energy

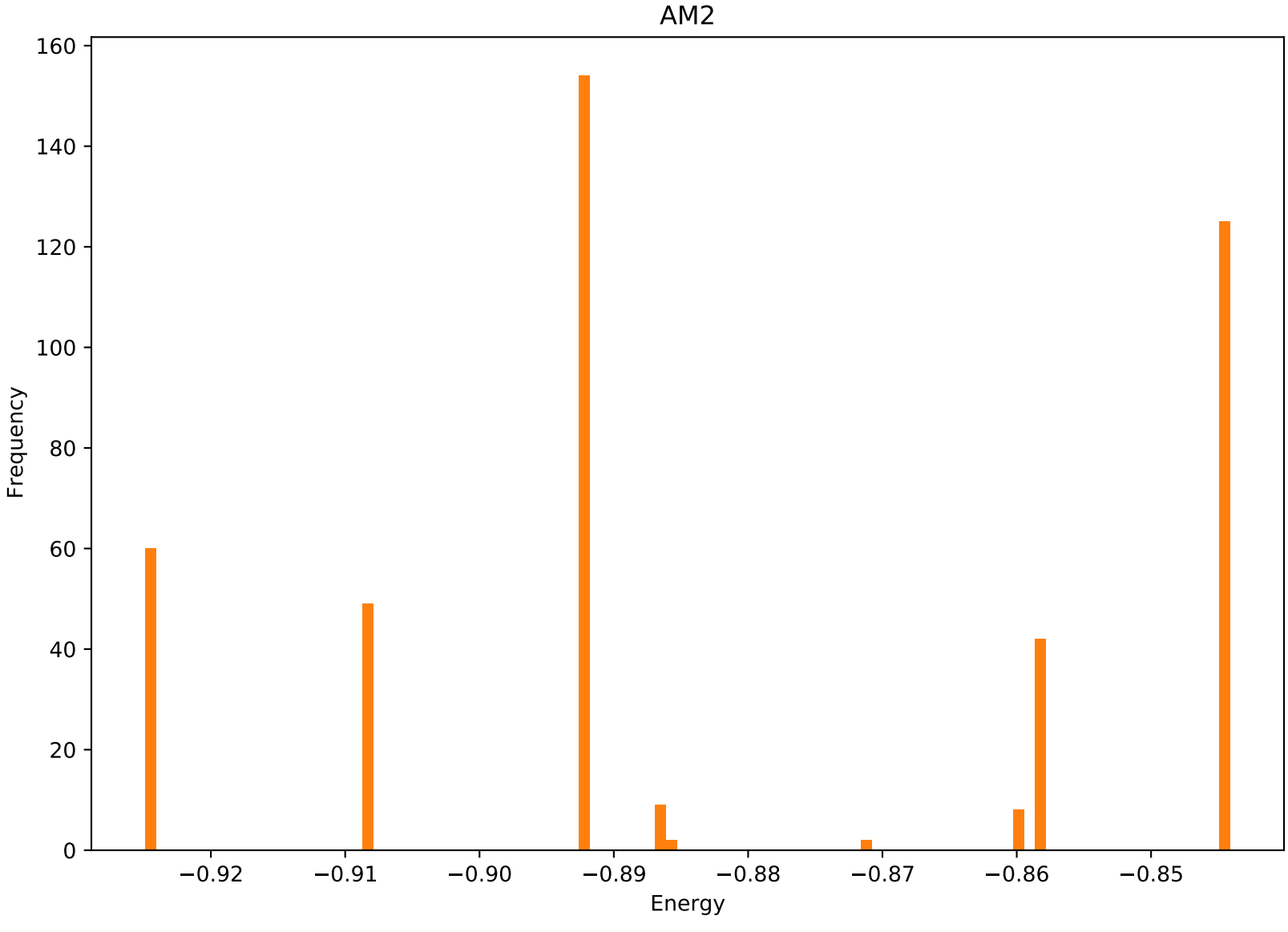

AL6
Frequency
300
250
200
150
100
50
0
−0.052
−0.050
−0.048
−0.046
−0.044
−0.042
−0.040
Energy

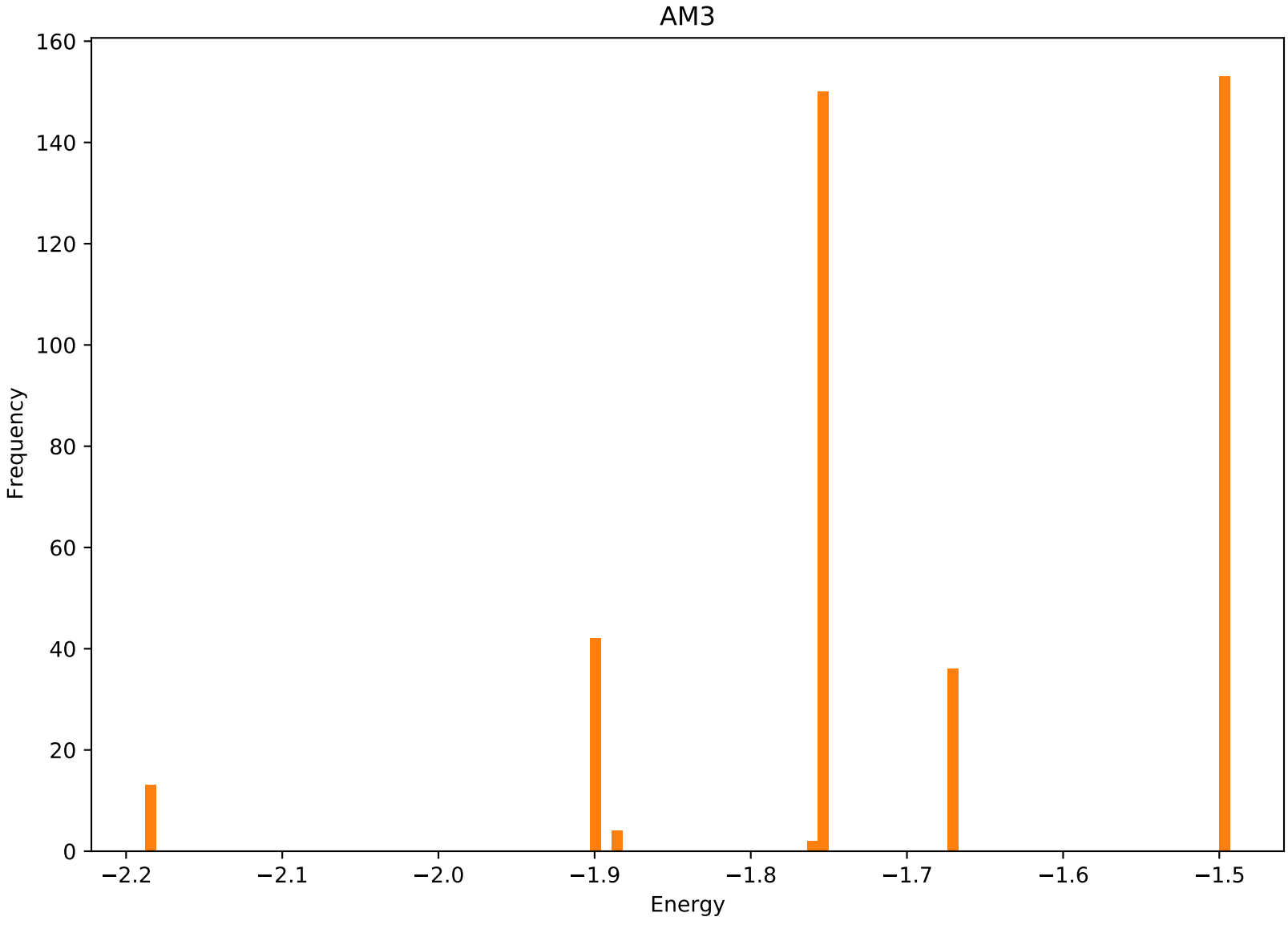

AL7
Frequency
250
200
150
100
50
0
−0.050
−0.045
−0.040
−0.035
−0.030
Energy

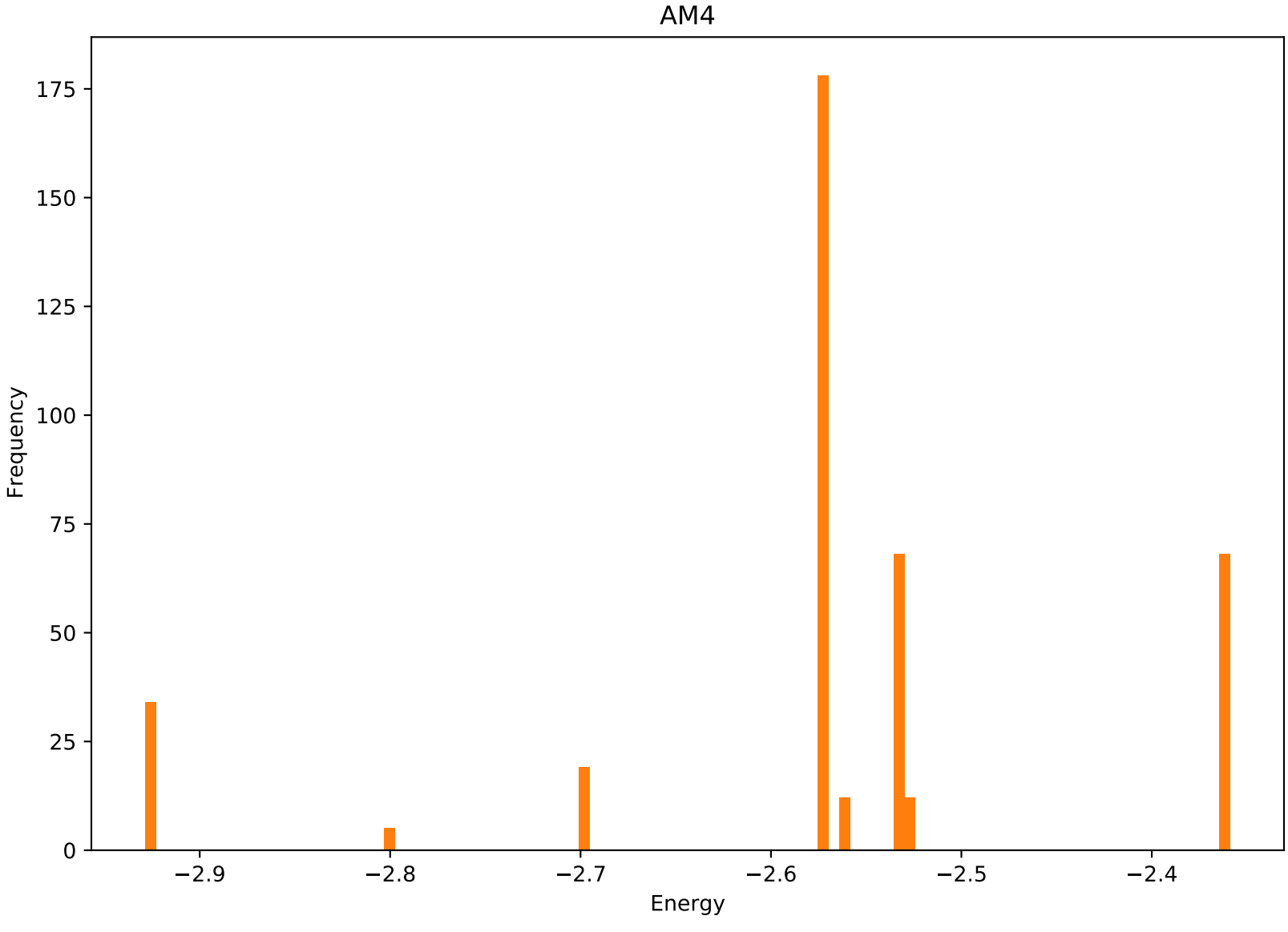

AL8
Frequency
250
200
150
100
50
0
−0.010
−0.009
−0.008
−0.007
−0.006
−0.005
Energy

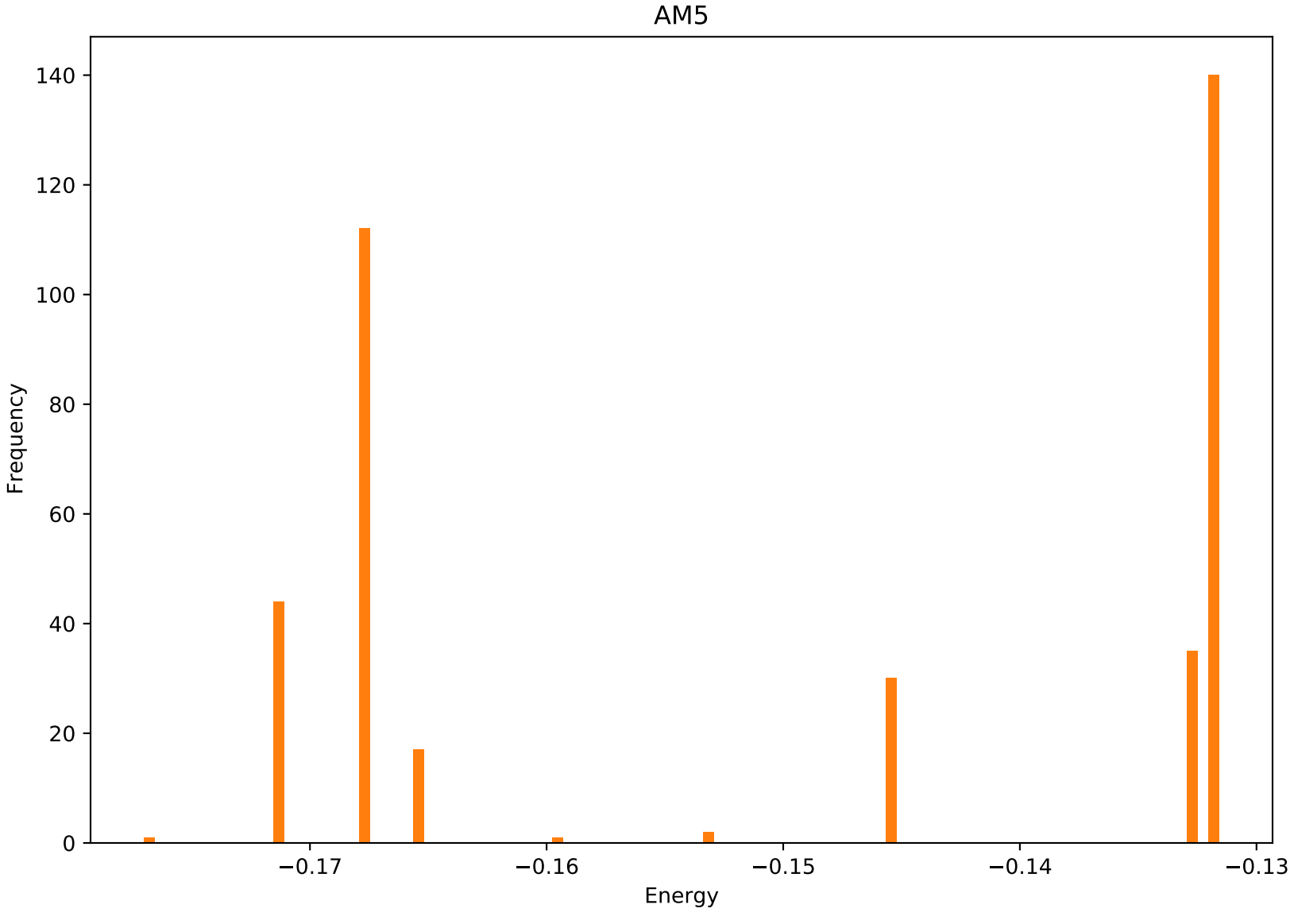

AL9
Frequency
200
150
100
50
0
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

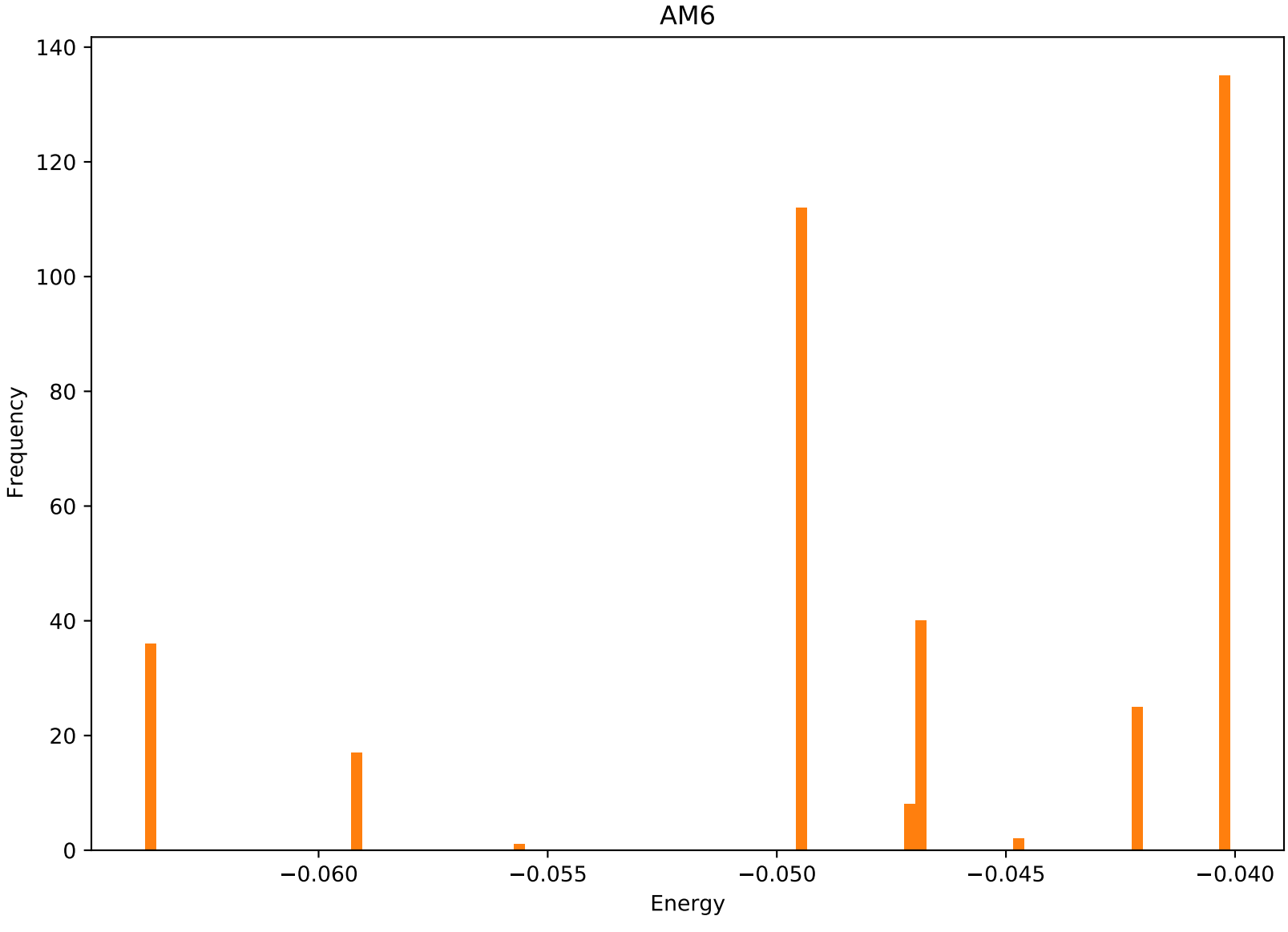

AM1
Frequency
Energy
0
25
50
75
100
125
150
175
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
Baseline:

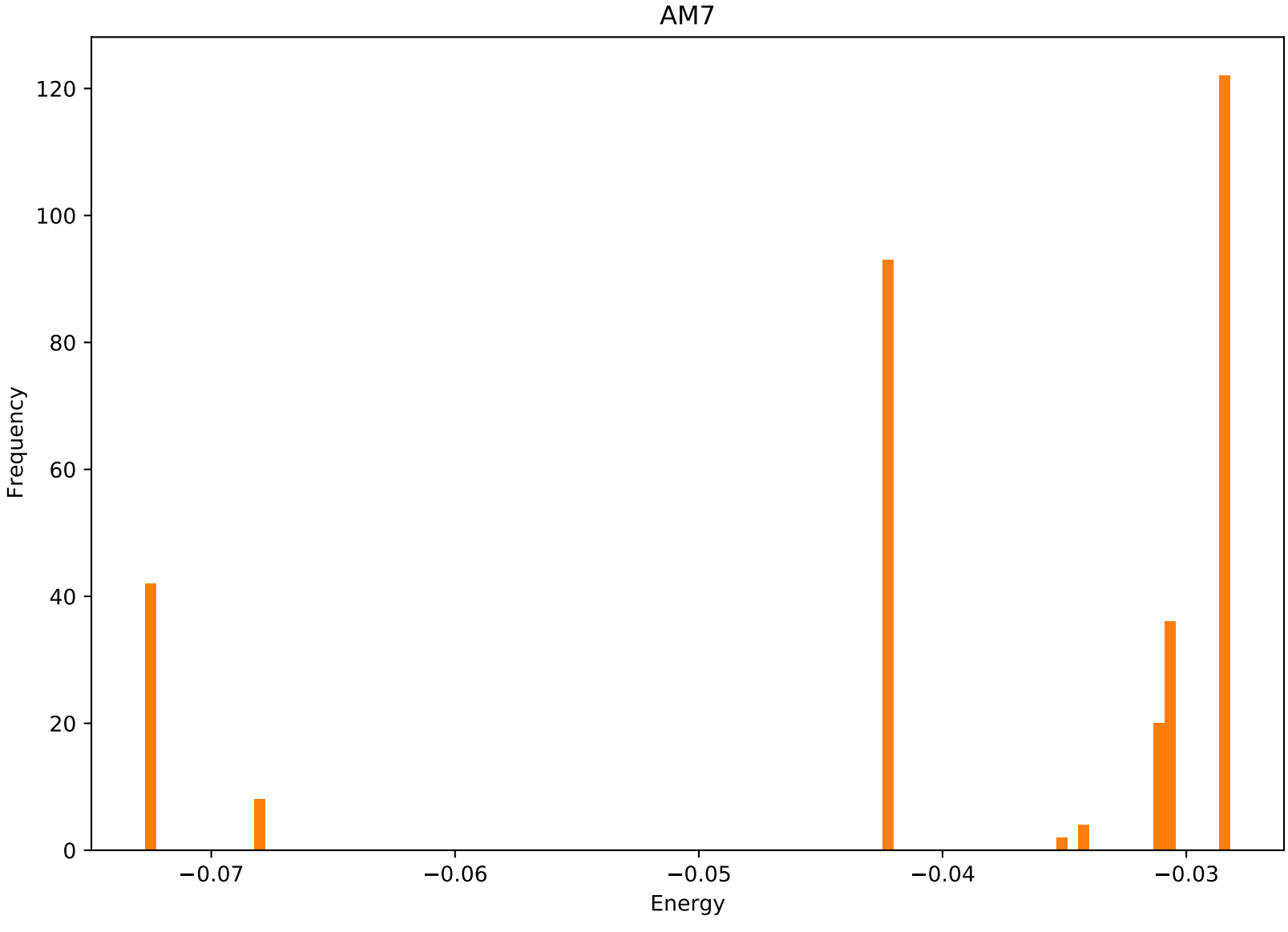

AM2
160
140
120
100
80
60
40
20
0
Frequency
−0.92
−0.91
−0.90
−0.89
−0.88
−0.87
−0.86
−0.85
Energy

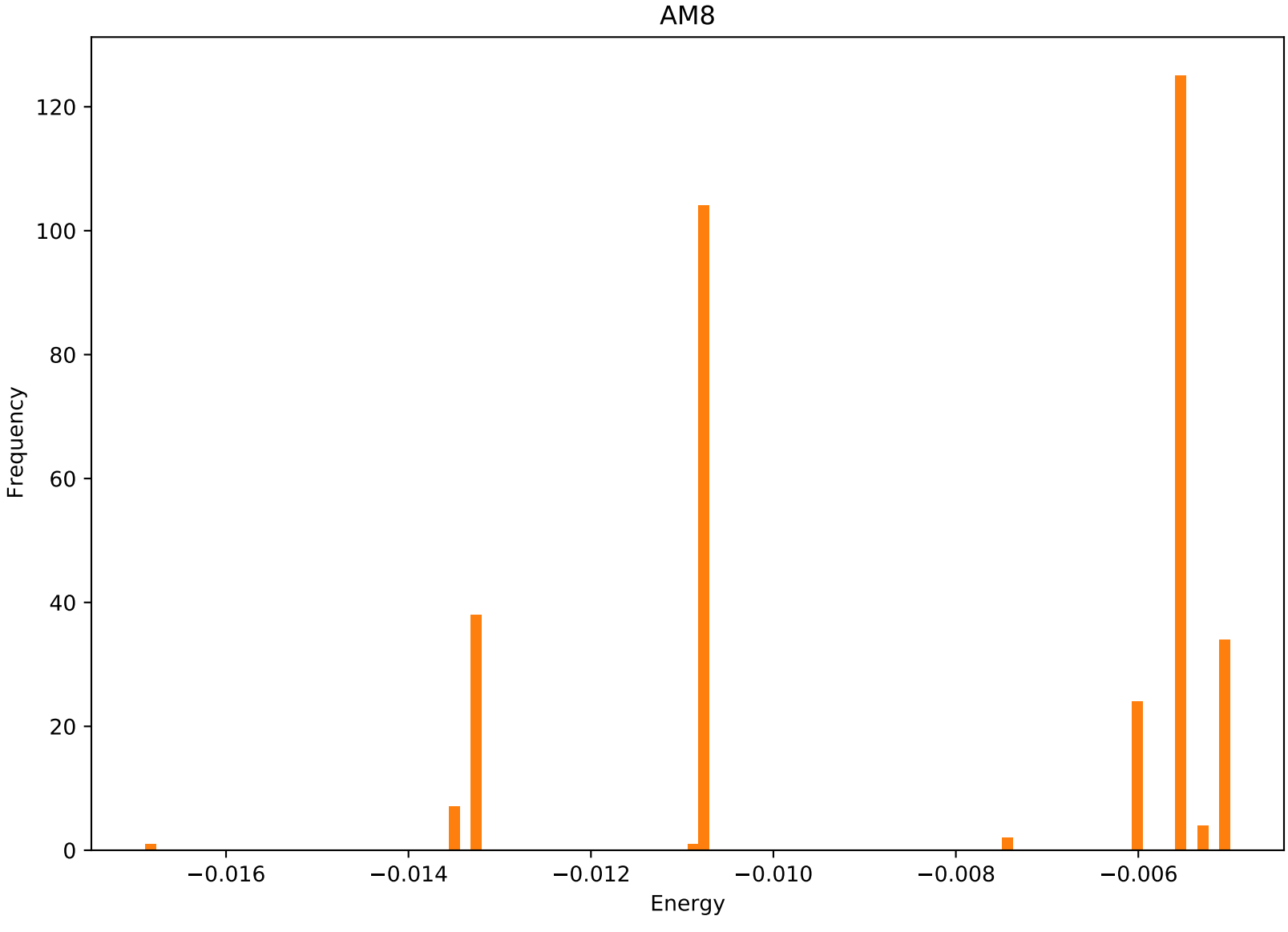

AM3
160
140
120
100
80
60
40
20
0
Frequency
−2.2
−2.1
−2.0
−1.9
−1.8
−1.7
−1.6
−1.5
Energy

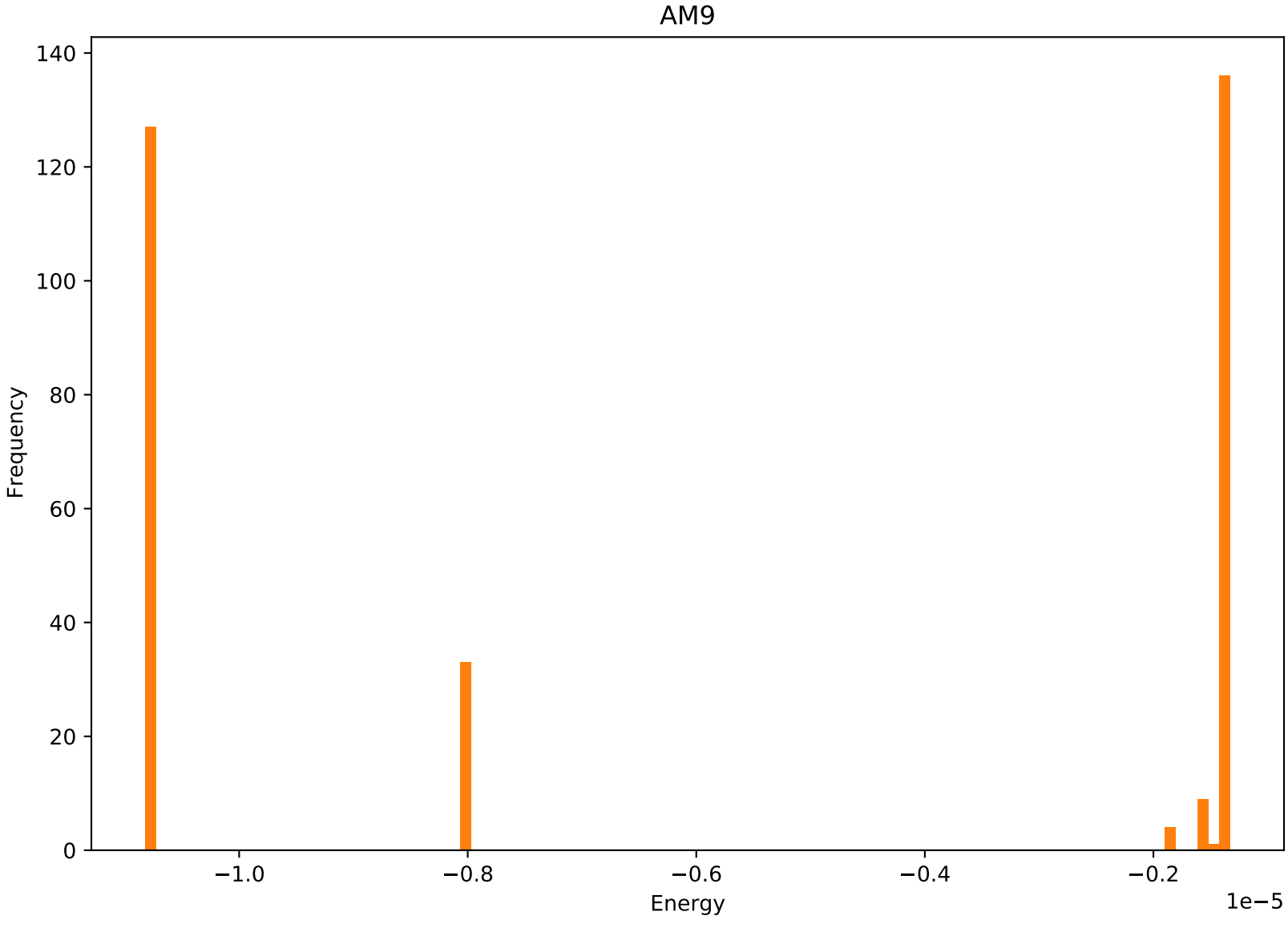

AM4
Frequency
Energy
0
25
50
75
100
125
150
175
−2.9
−2.8
−2.7
−2.6
−2.5
−2.4

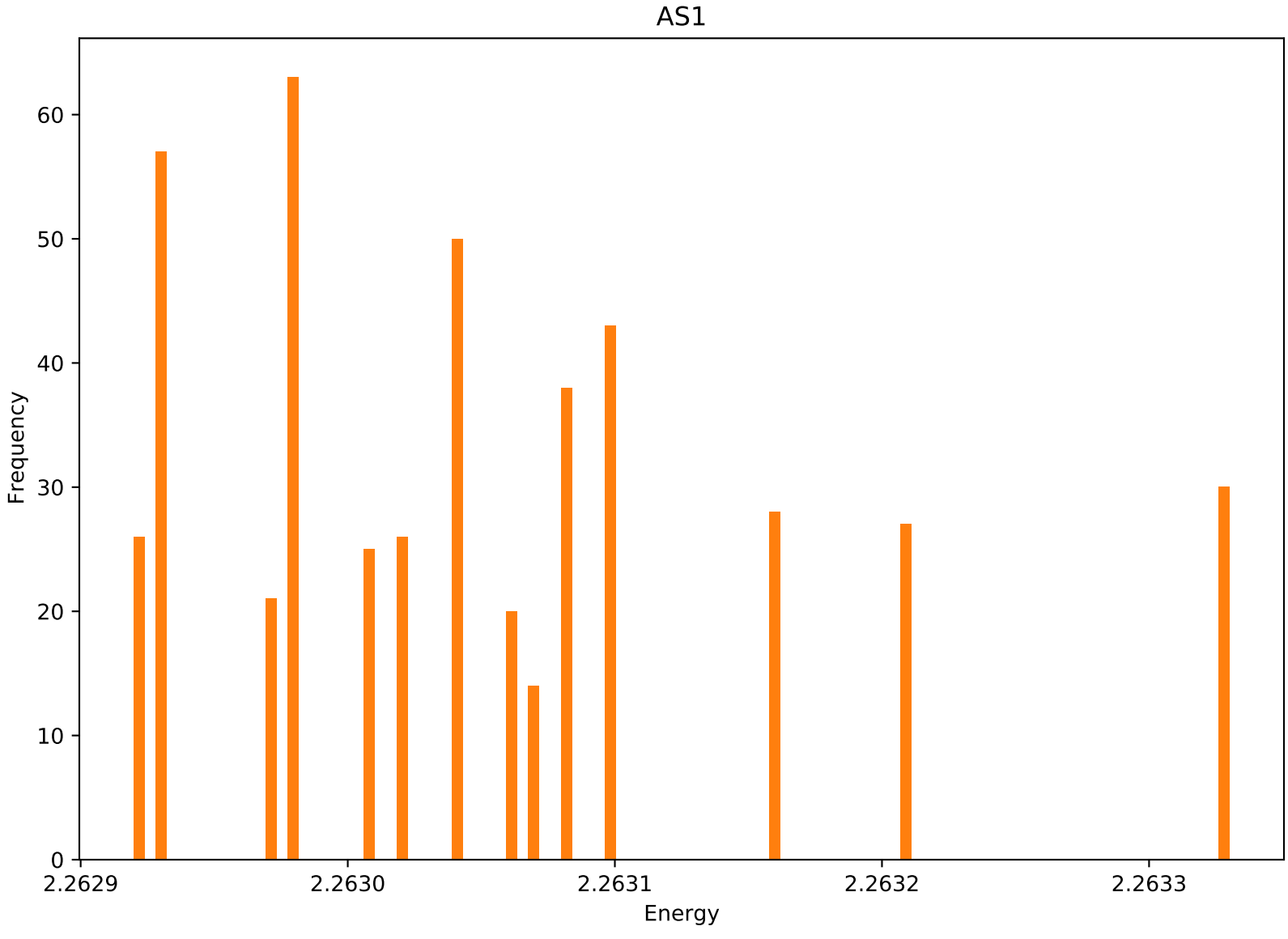

AM5
Frequency
Energy
0
20
40
60
80
100
120
140
−0.17
−0.16
−0.15
−0.14
−0.13

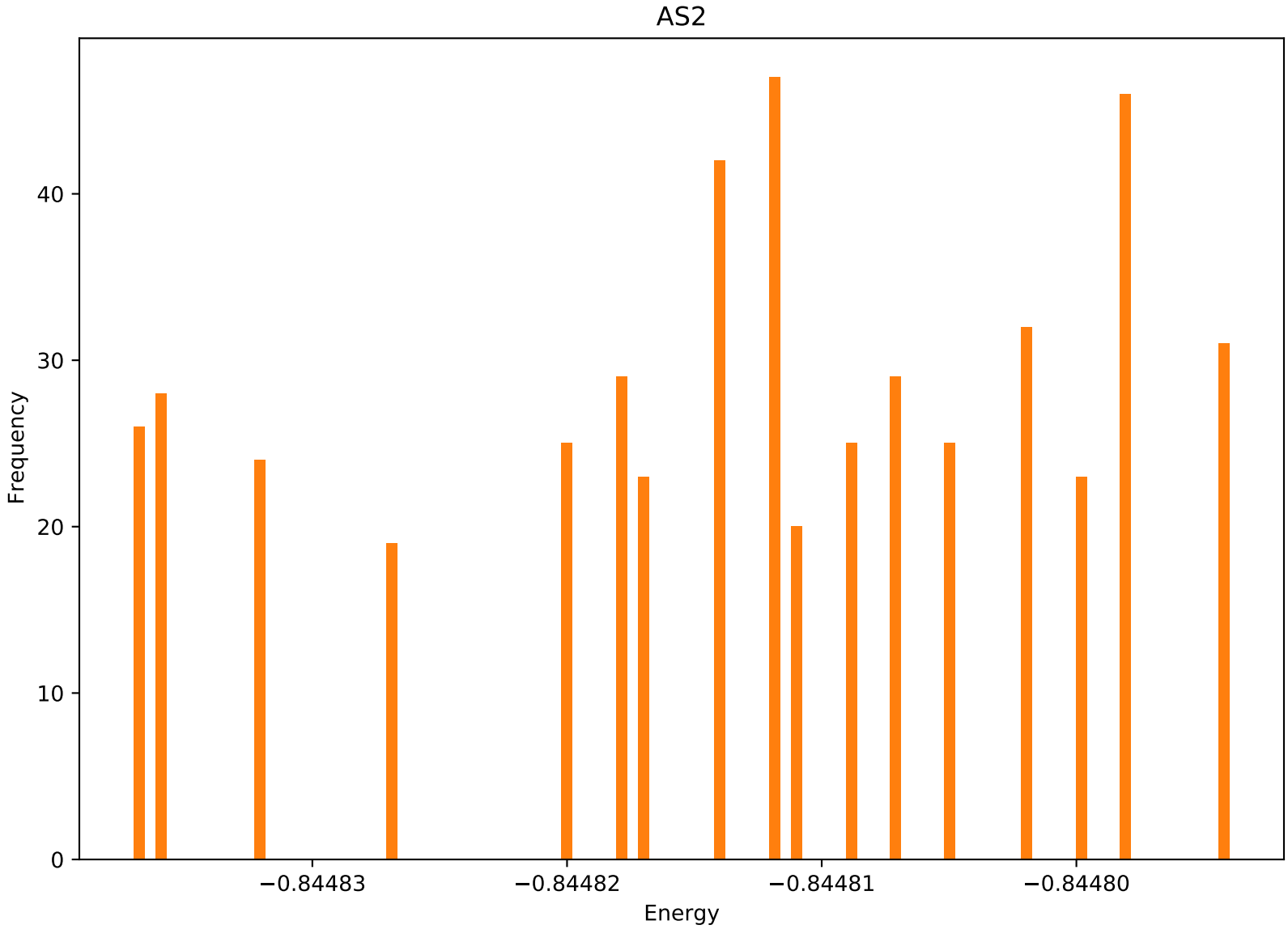

AM6
140
120
100
80
60
40
20
0
Frequency
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

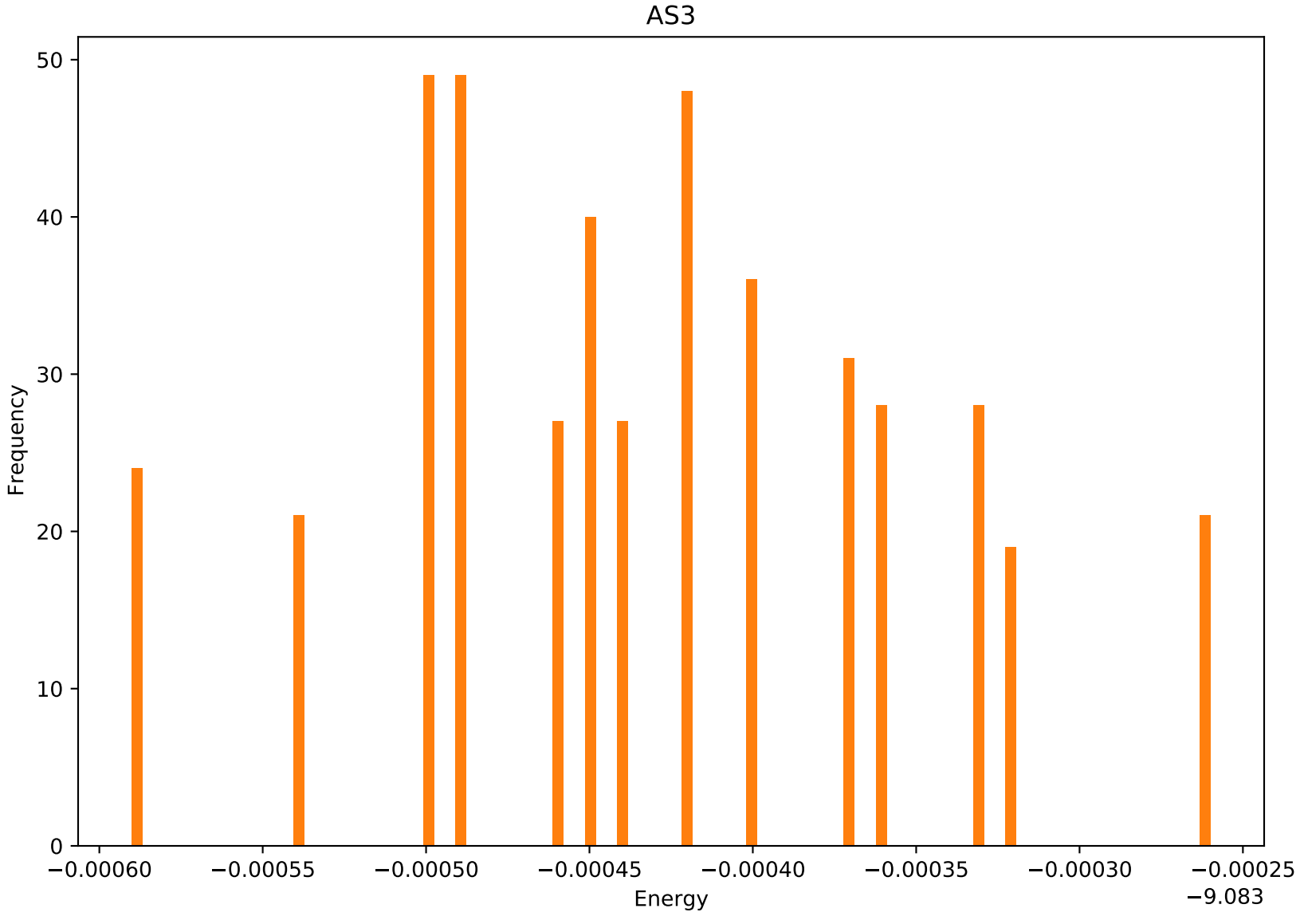

AM7
Frequency
120
100
80
60
40
20
0
−0.07
−0.06
−0.05
−0.04
−0.03
Energy

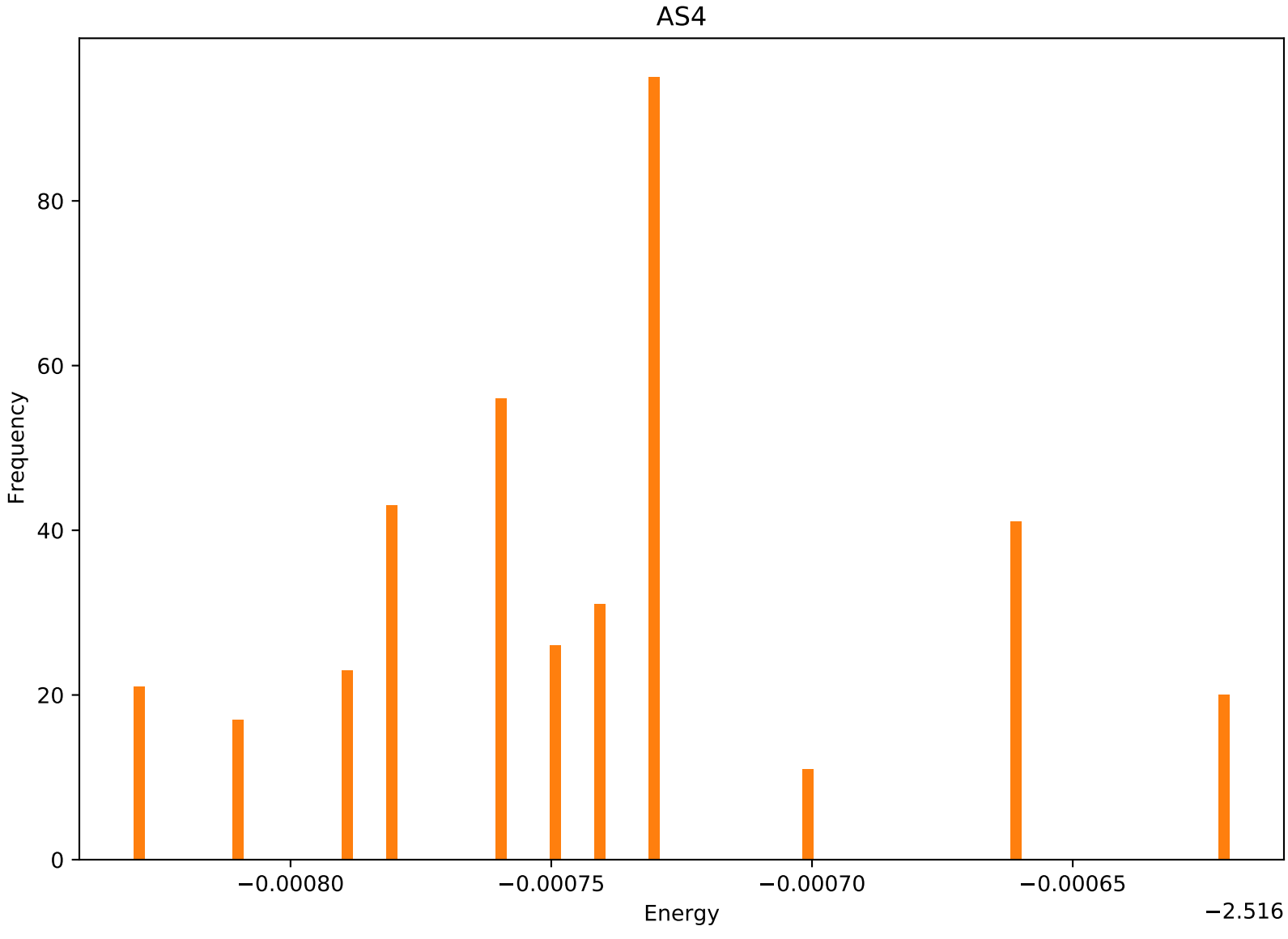

AM8
Frequency
Energy
0
20
40
60
80
100
120
−0.016
−0.014
−0.012
−0.010
−0.008
−0.006

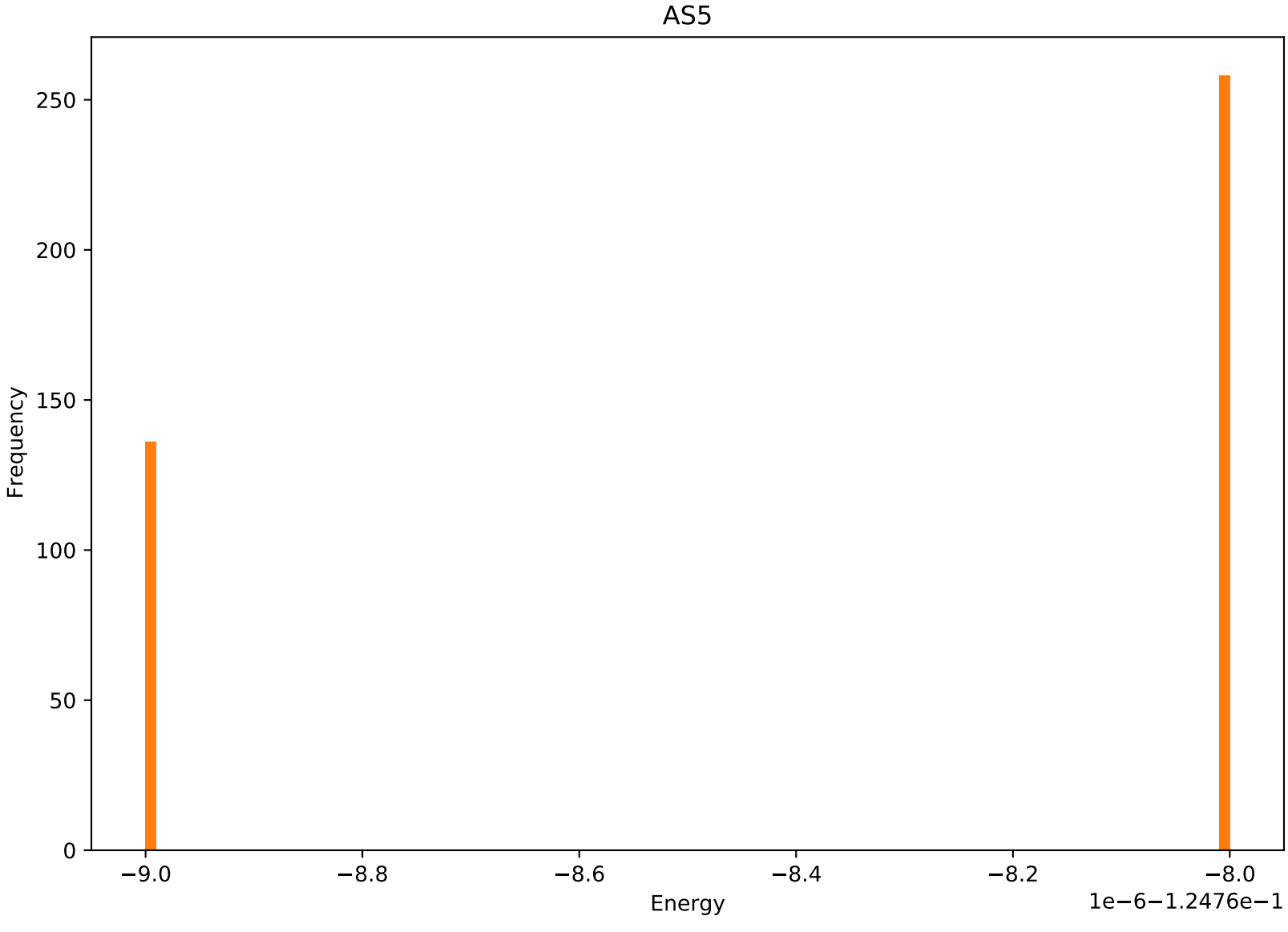

AM9
140
120
100
80
60
40
20
0
Frequency
−1.0
−0.8
−0.6
−0.4
−0.2
Energy
1e−5

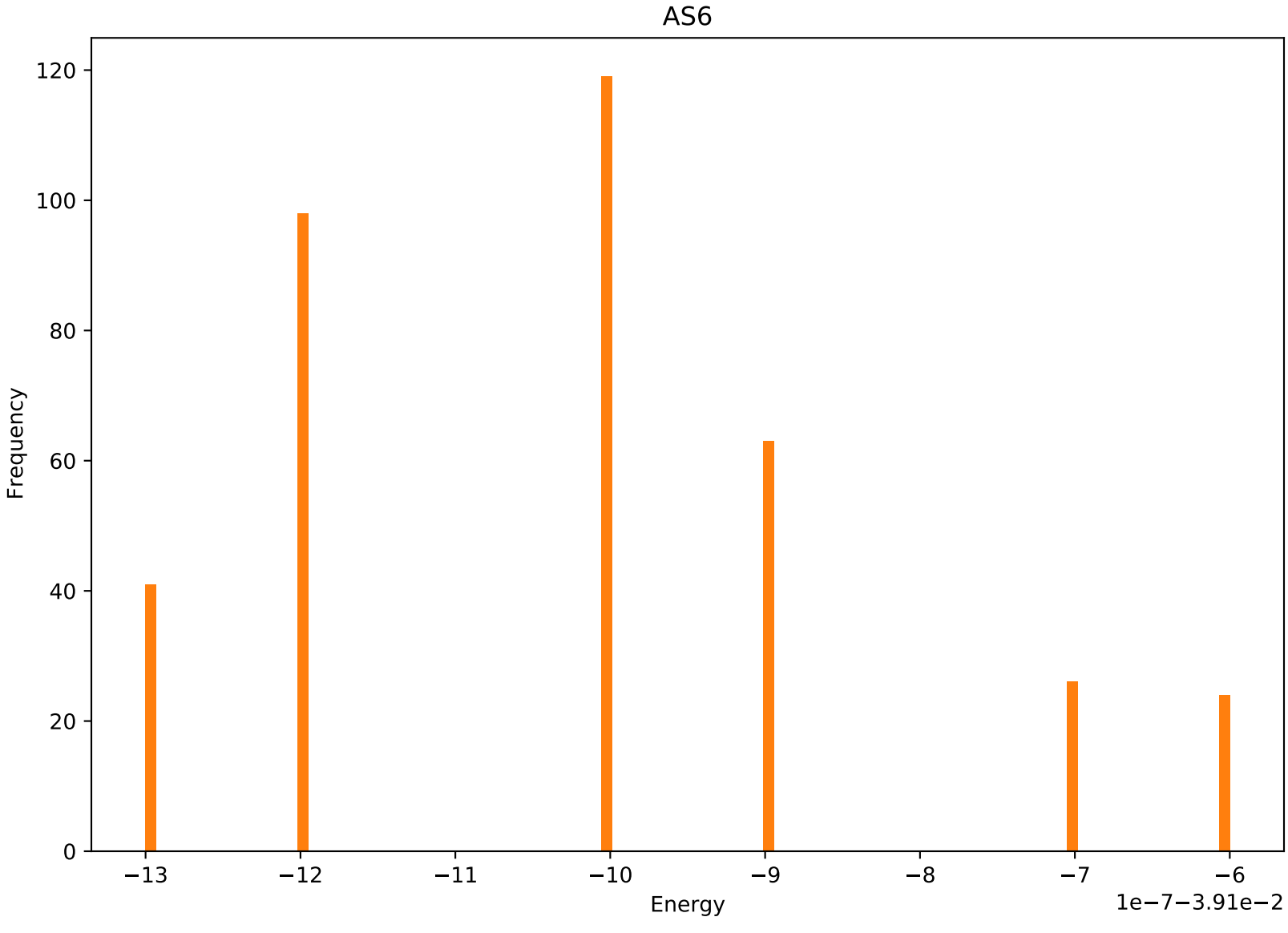

AS1
Frequency
0
10
20
30
40
50
60
2.2629
2.2630
2.2631
2.2632
2.2633
Energy

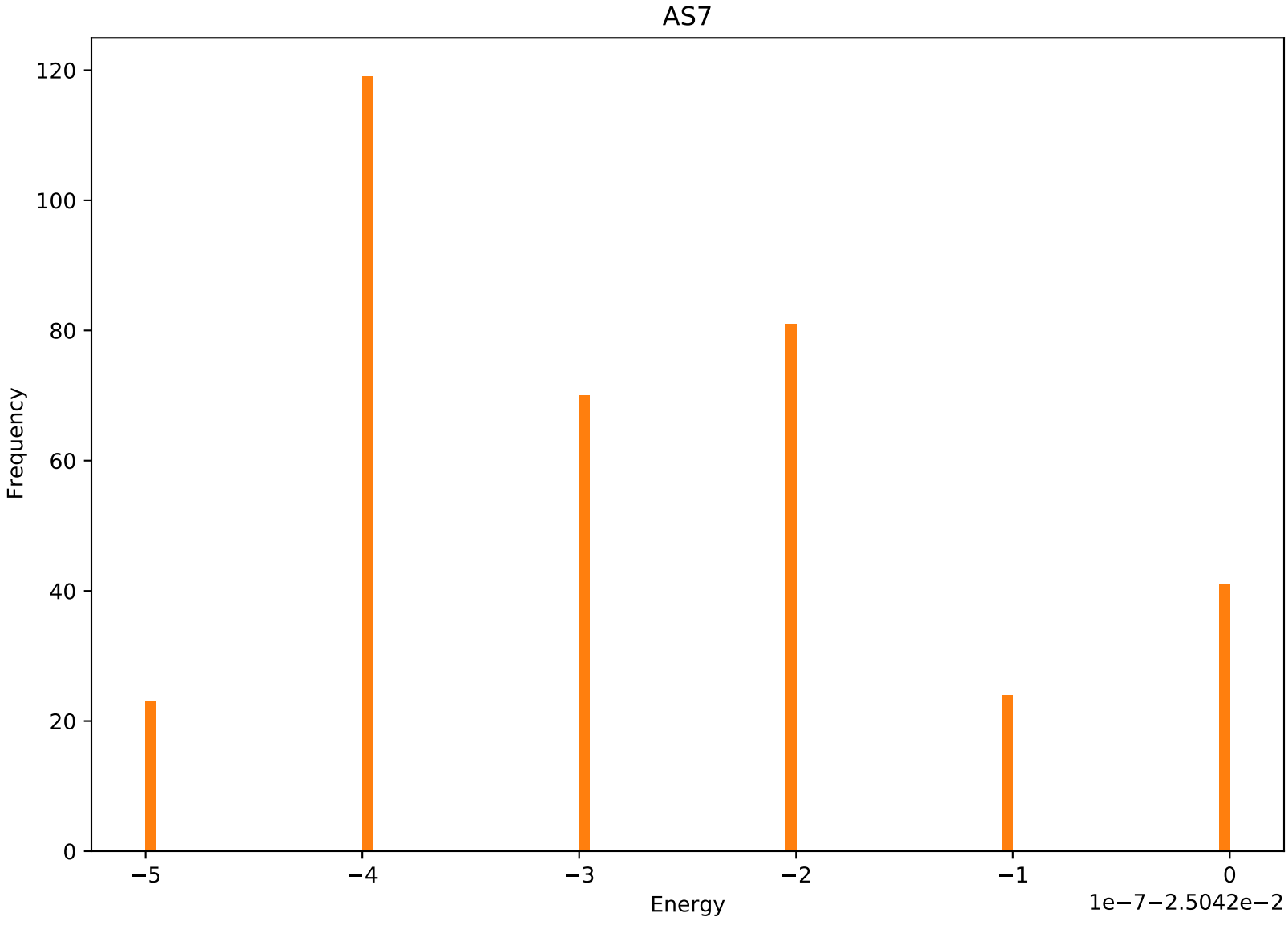

AS2
Frequency
0
10
20
30
40
−0.84483
−0.84482
−0.84481
−0.84480
Energy

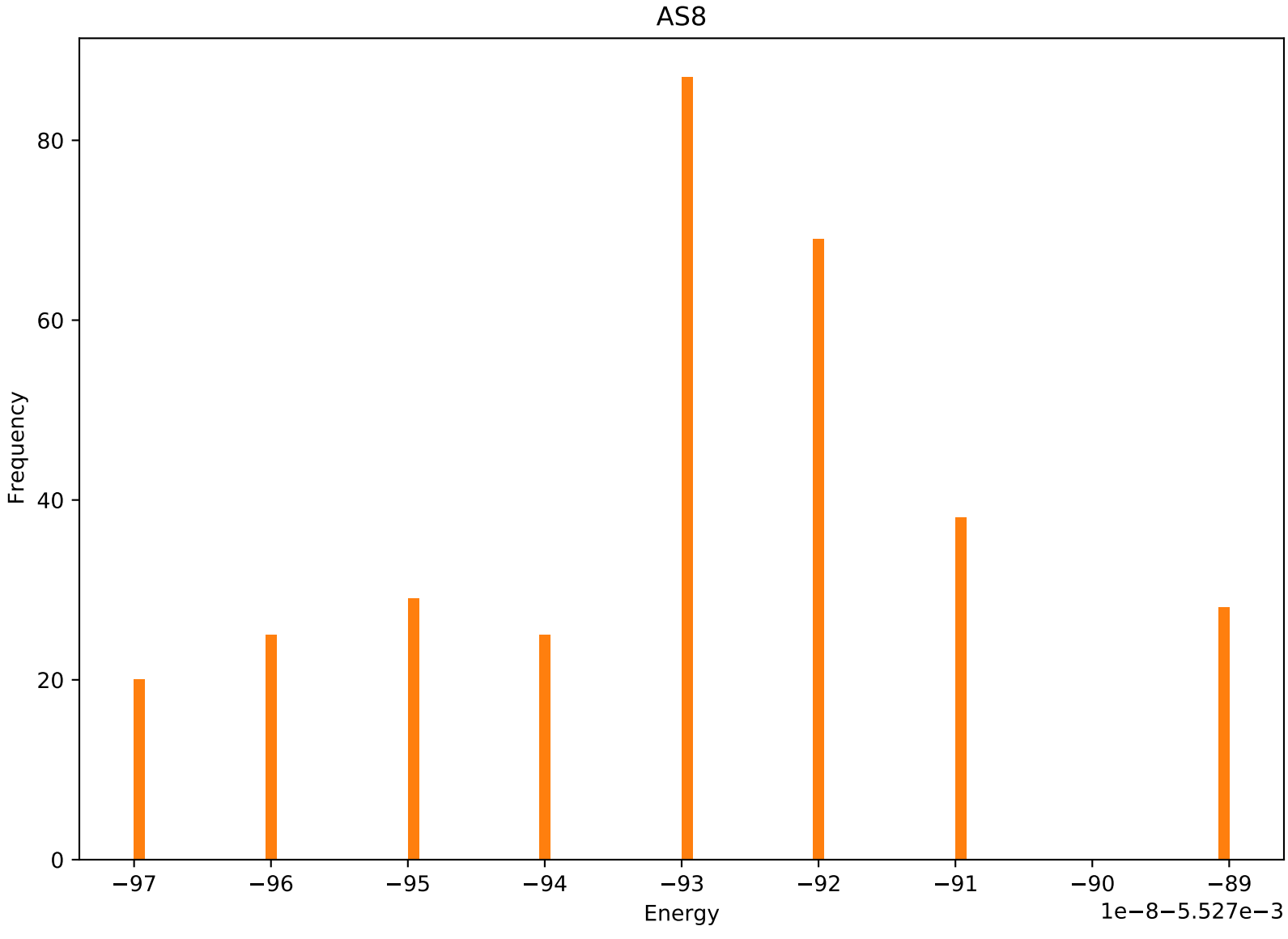

AS3
Frequency
0
10
20
30
40
50
−0.00060
−0.00055
−0.00050
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
Energy
−9.083

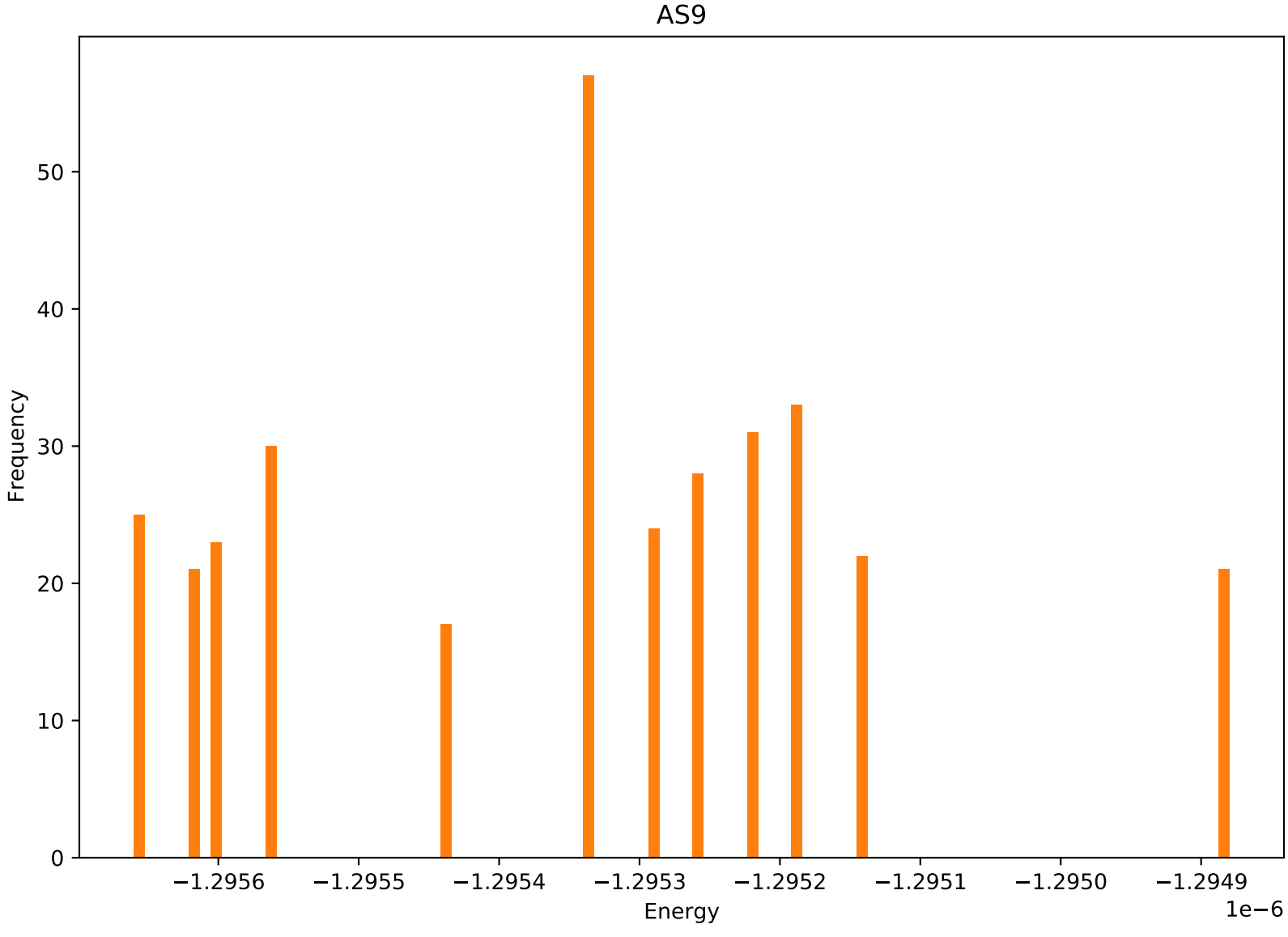

AS4
Frequency
0
20
40
60
80
−0.00080
−0.00075
−0.00070
−0.00065
Energy
−2.516

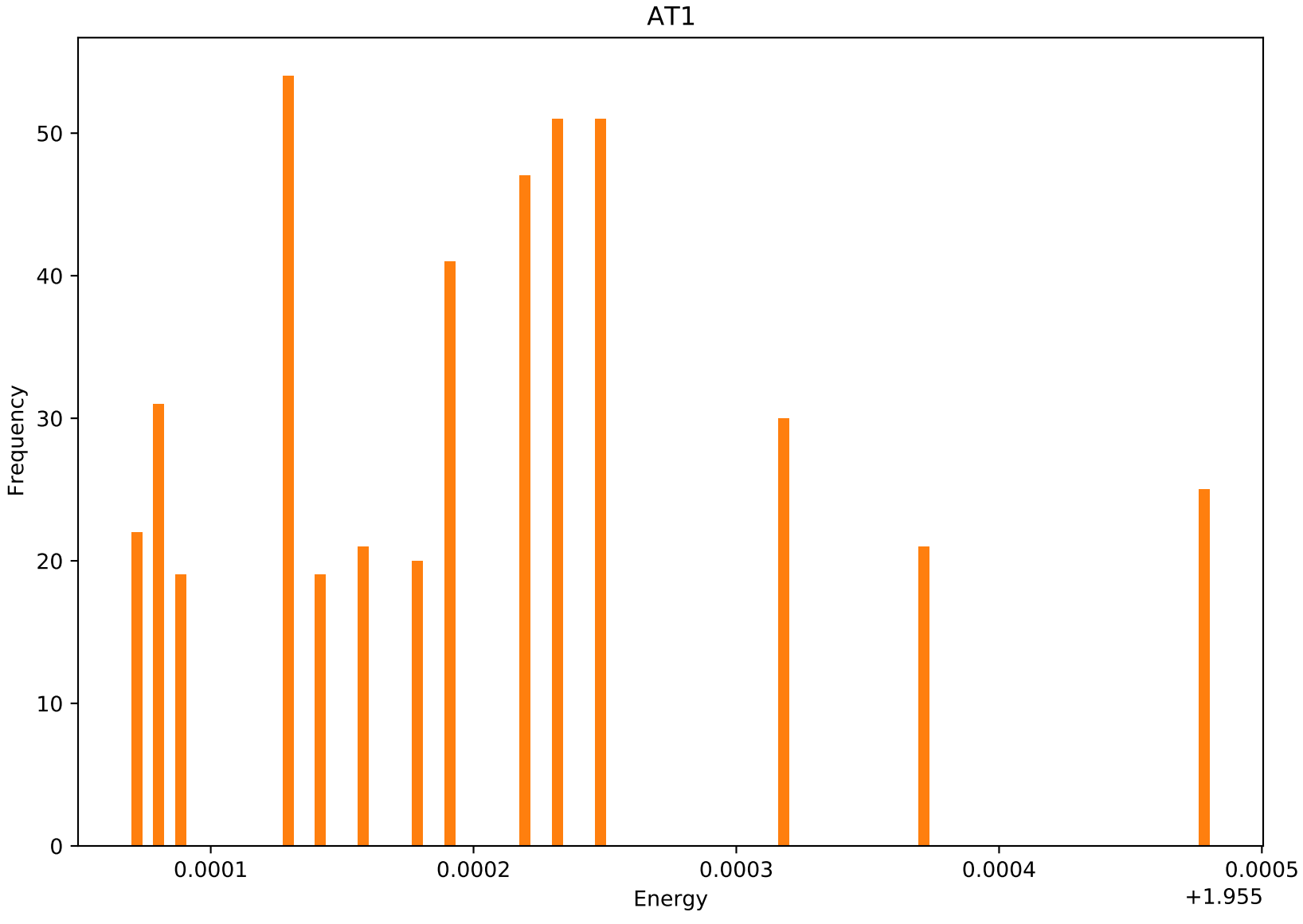

AS5
Frequency
250
200
150
100
50
0
−9.0
−8.8
−8.6
−8.4
−8.2
−8.0
Energy
1e−6−1.2476e−1

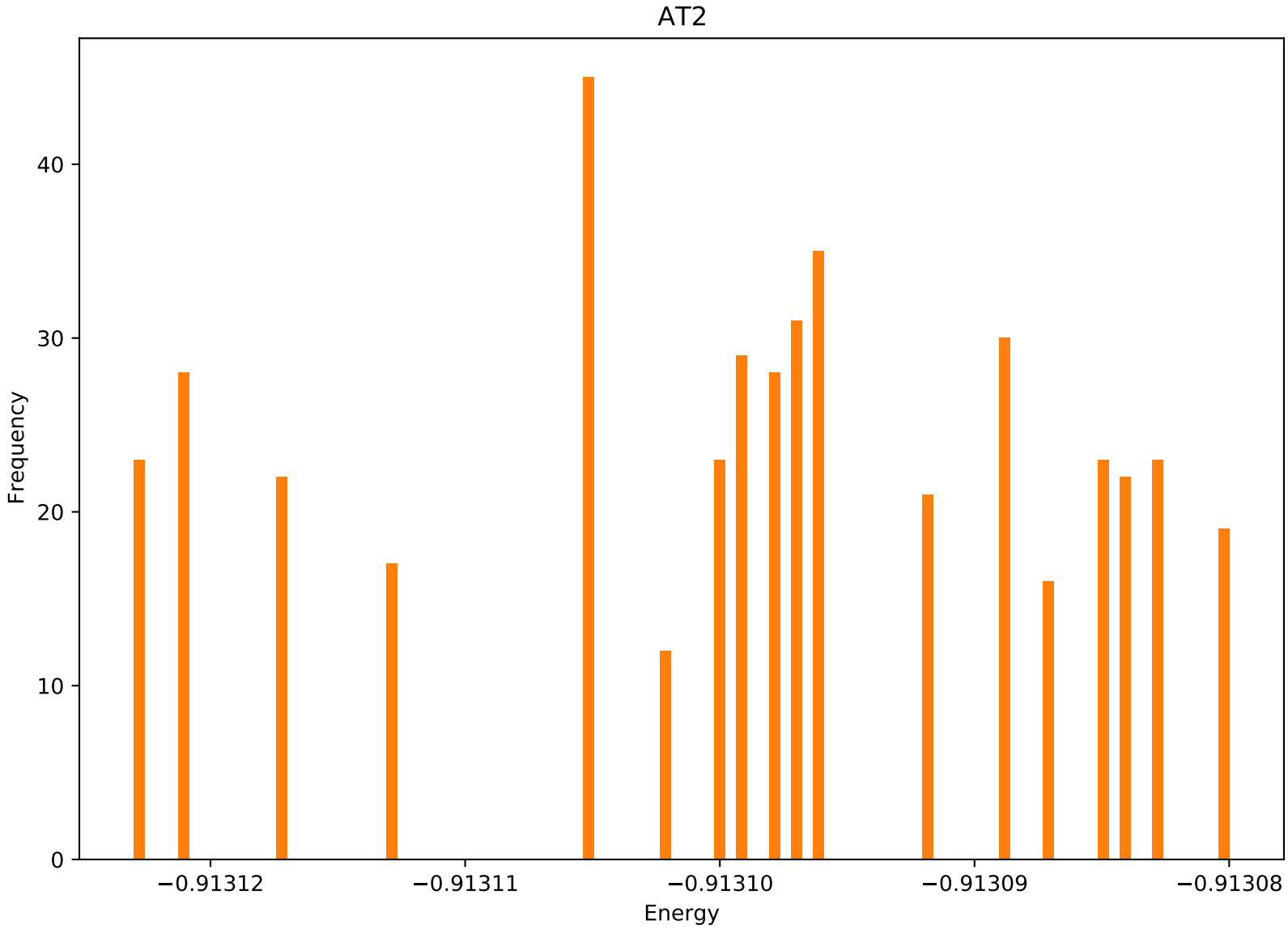

AS6
120
100
80
60
40
20
0
Frequency
−13
−12
−11
−10
−9
−8
−7
−6
Energy
1e−7−3.91e−2

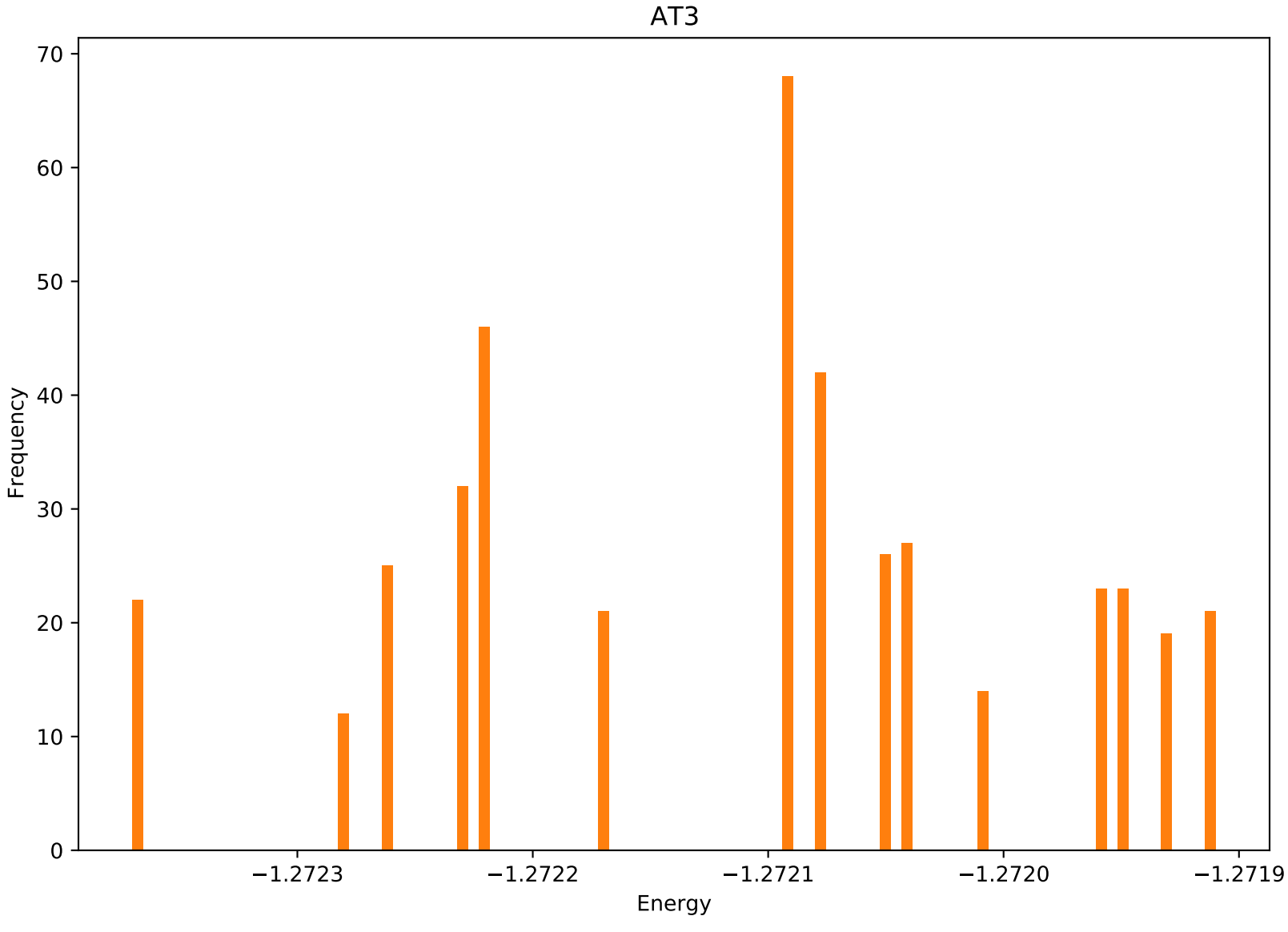

AS7
120
100
80
60
40
20
0
Frequency
−5
−4
−3
−2
−1
0
Energy
1e−7−2.5042e−2

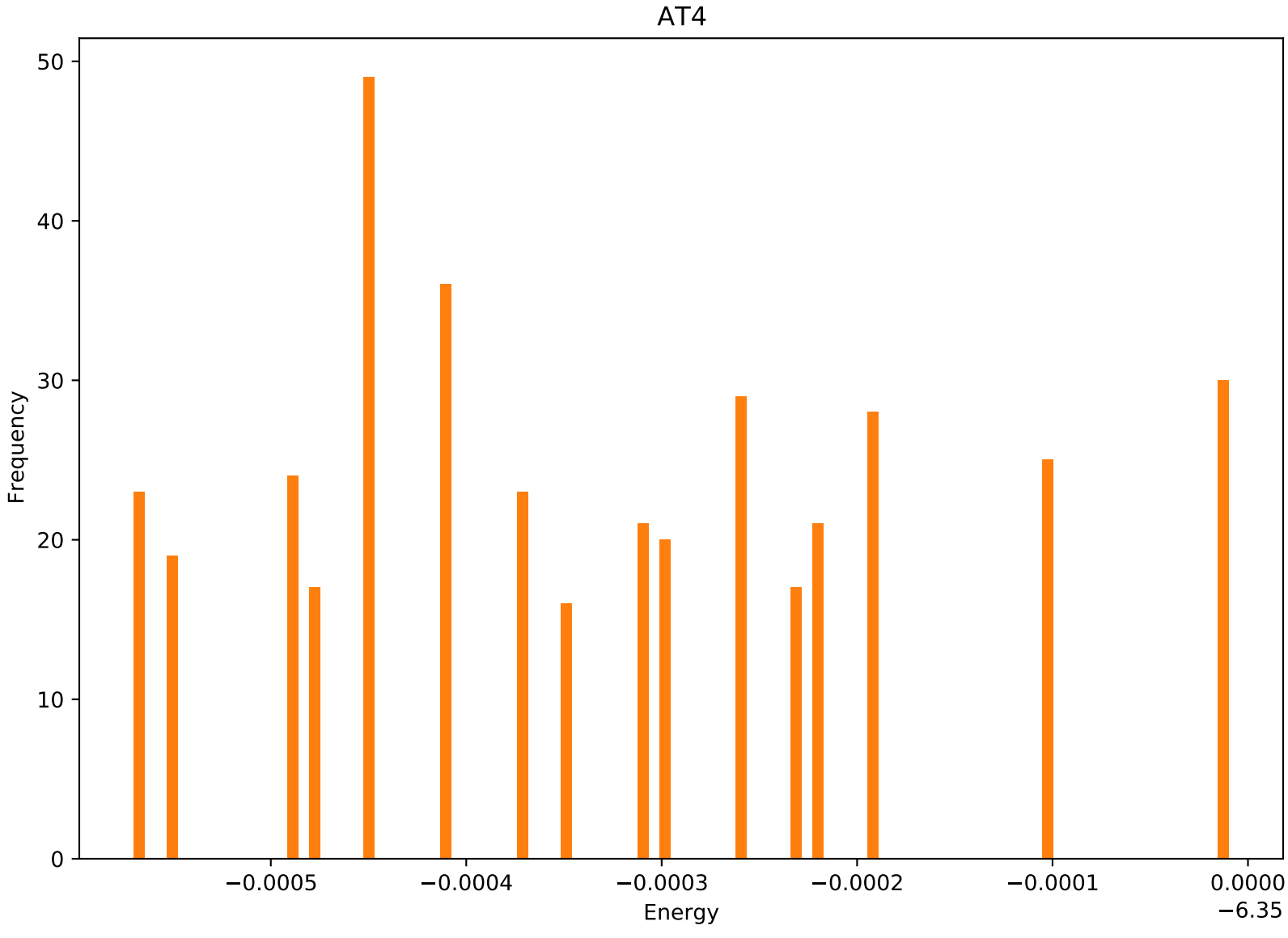

AS8
Frequency
0
20
40
60
80
−97
−96
−95
−94
−93
−92
−91
−90
−89
Energy
1e−8−5.527e−3

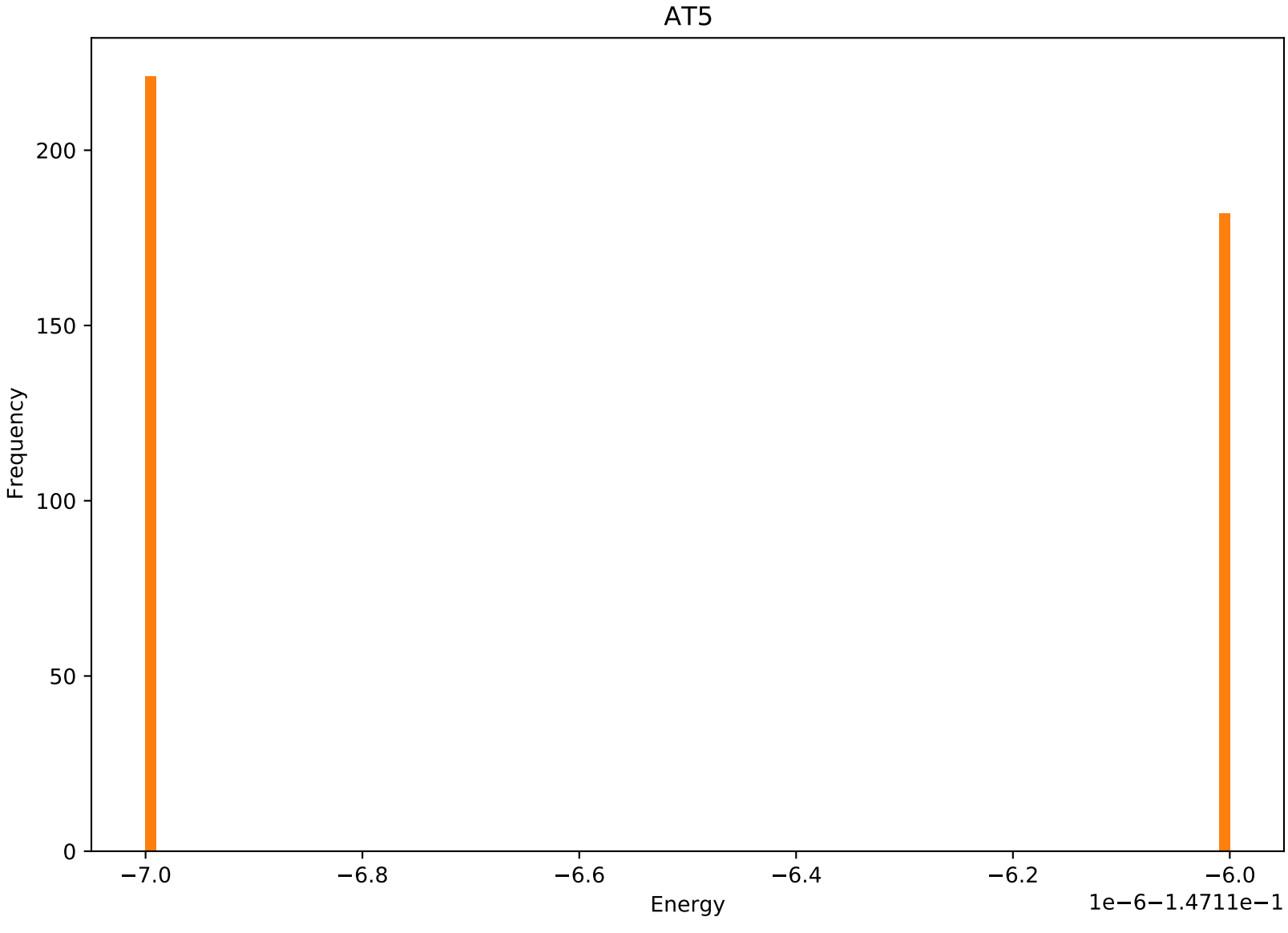

AS9
Frequency
0
10
20
30
40
50
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

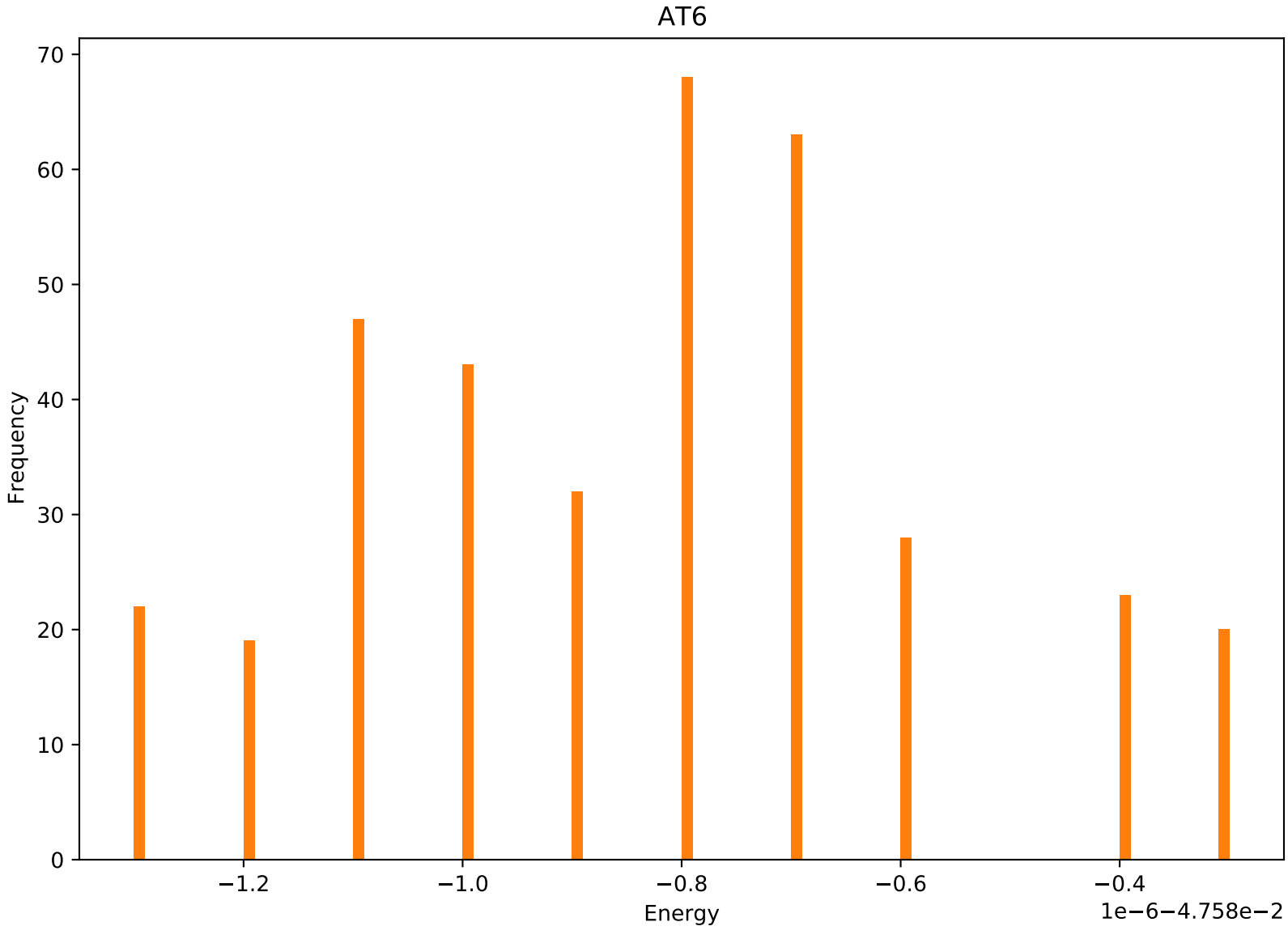

AT1
Frequency
0
10
20
30
40
50
0.0001
0.0002
0.0003
0.0004
0.0005
Energy
+1.955

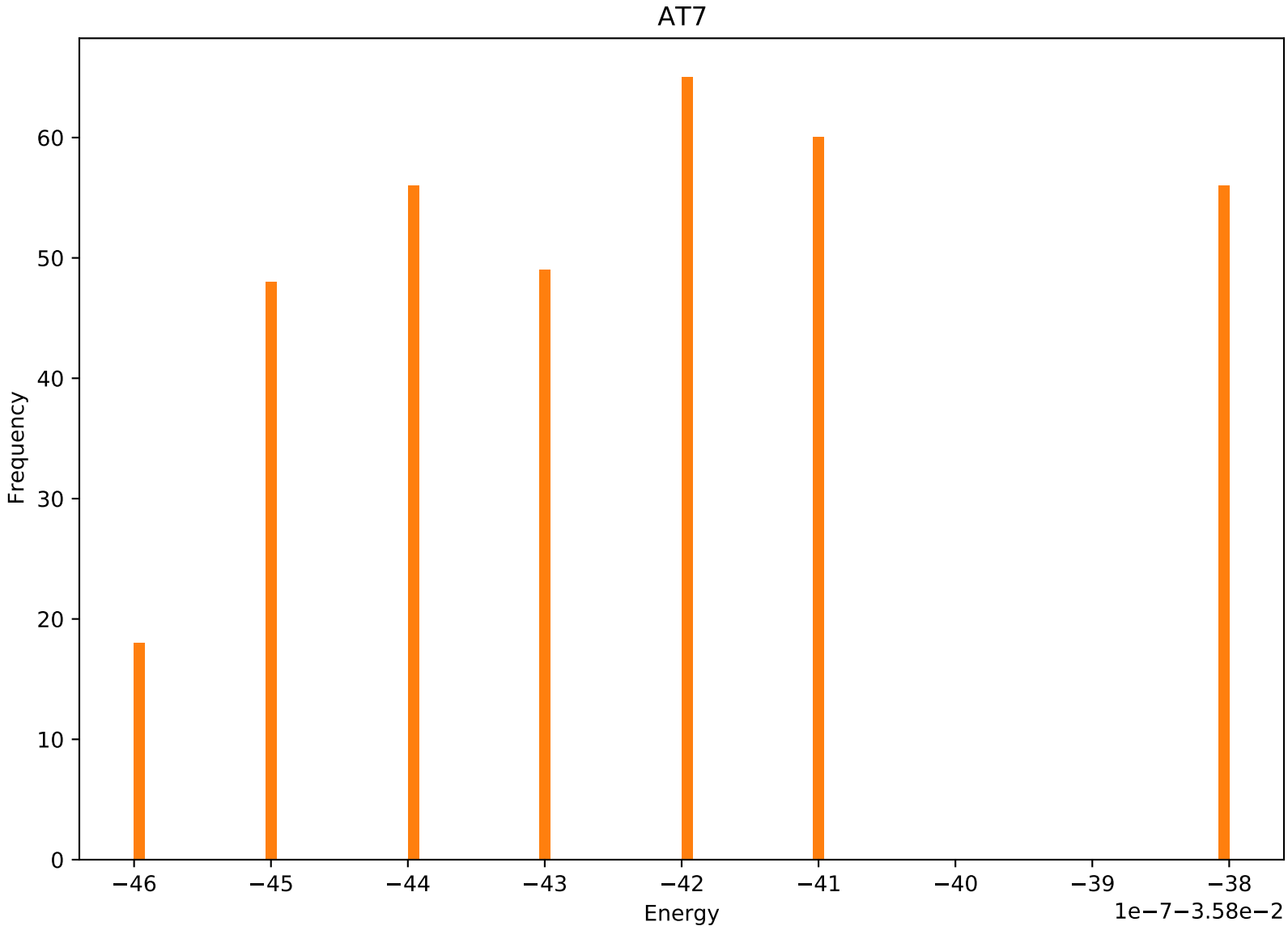

AT2
Frequency
0
10
20
30
40
−0.91312
−0.91311
−0.91310
−0.91309
−0.91308
Energy

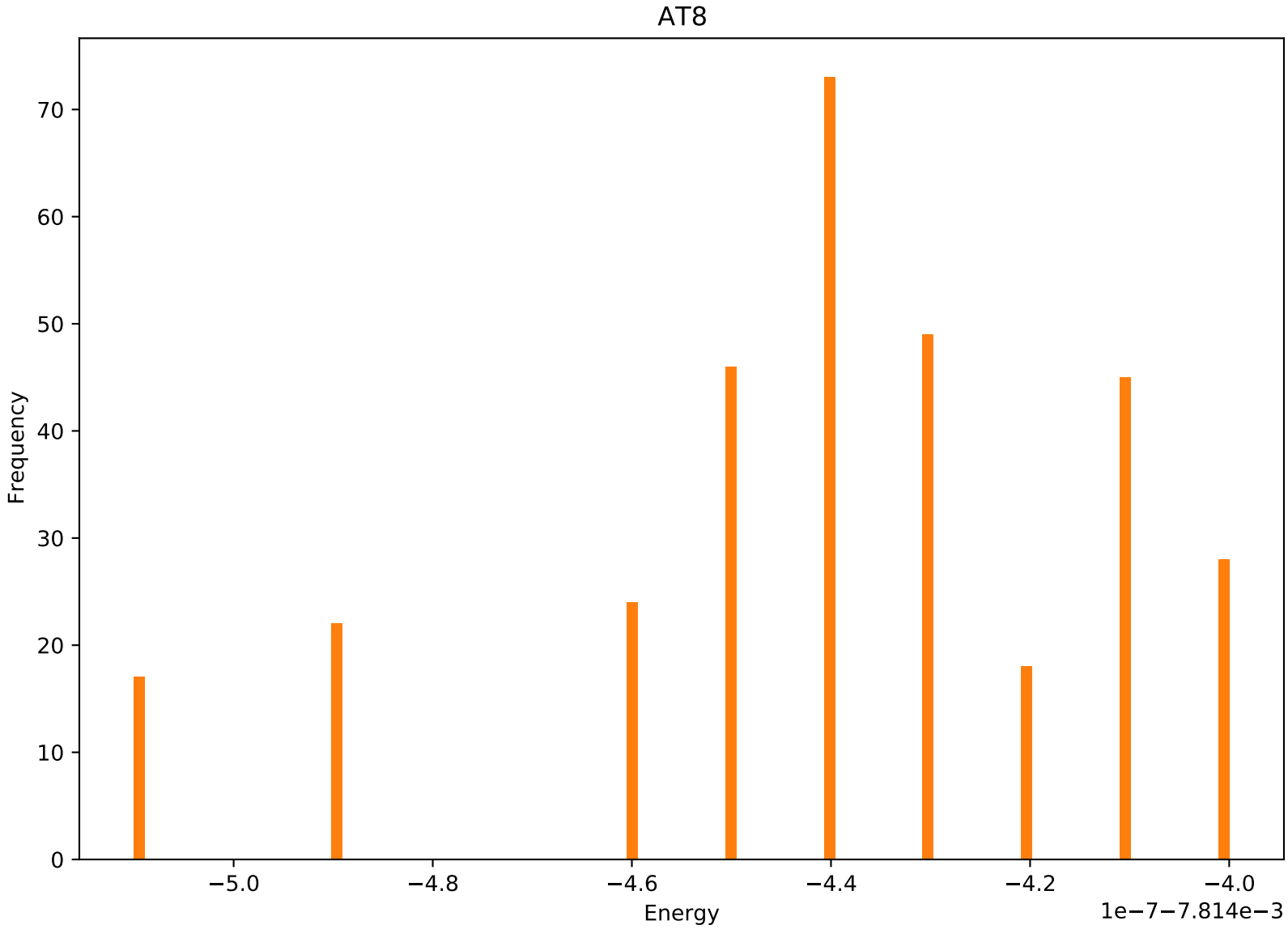

AT3
70
60
50
40
30
20
10
0
Frequency
−1.2723
−1.2722
−1.2721
−1.2720
−1.2719
Energy

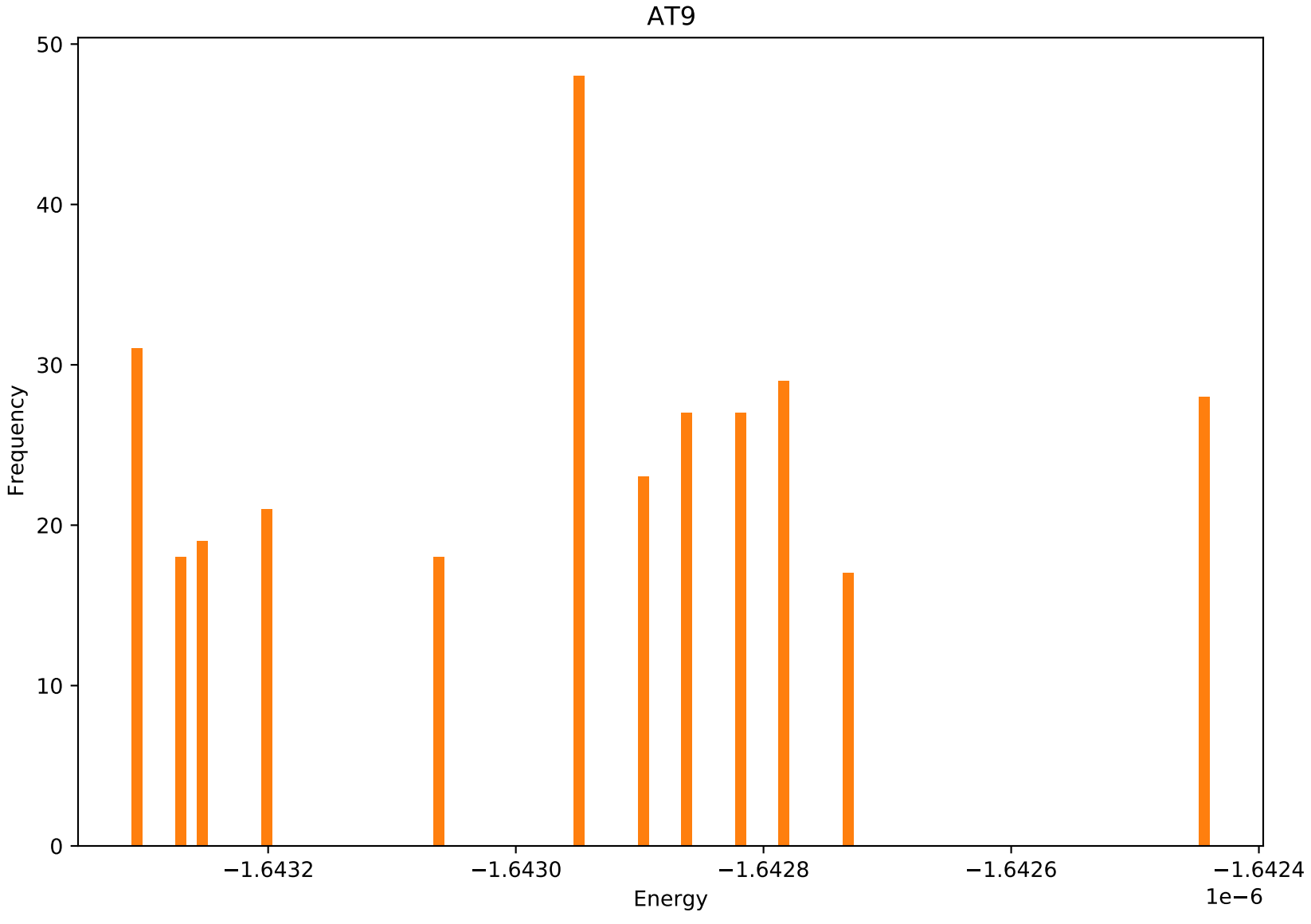

AT4
Frequency
0
10
20
30
40
50
−0.0005
−0.0004
−0.0003
−0.0002
−0.0001
0.0000
−6.35
Energy

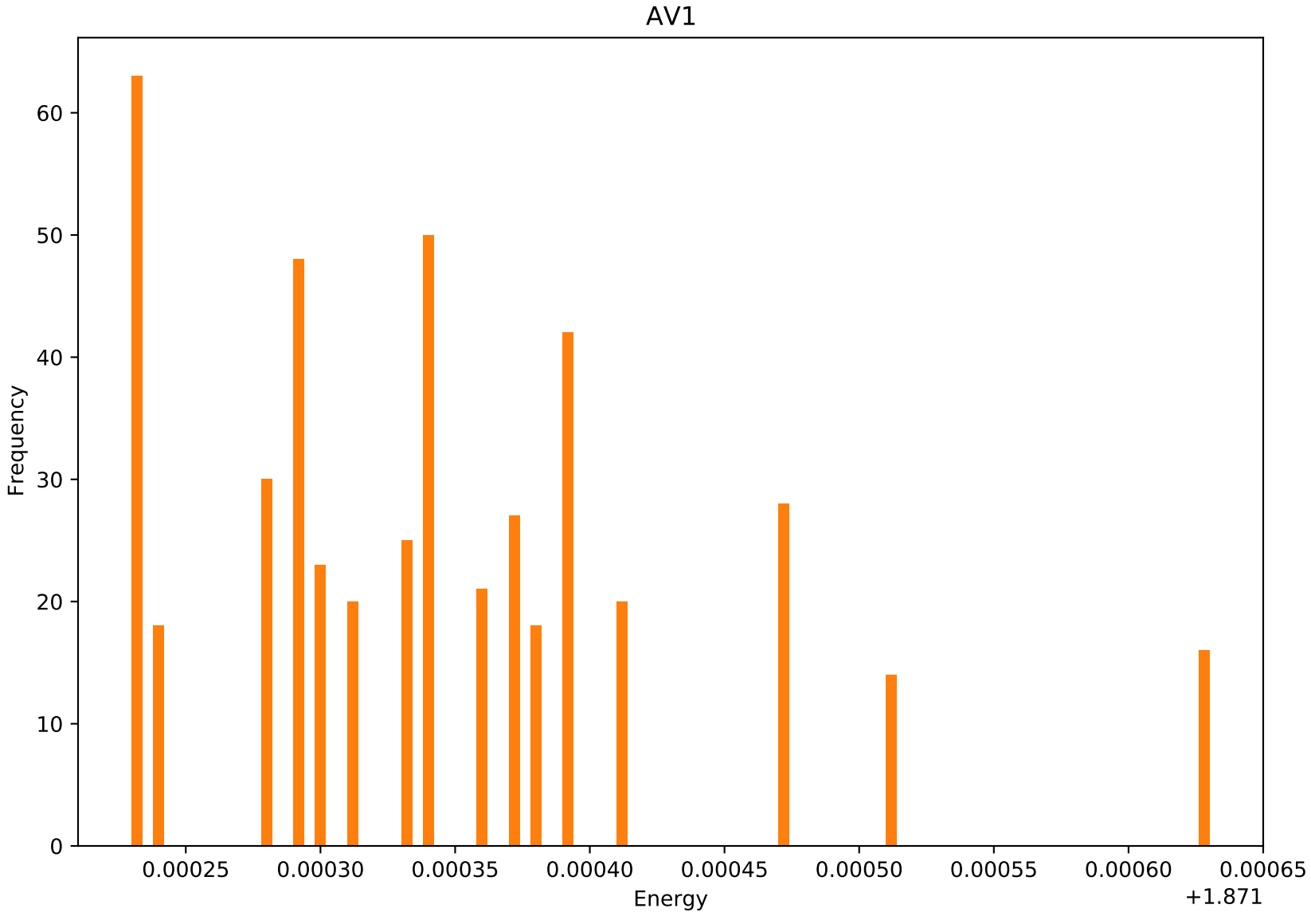

AT5
200
150
100
50
0
Frequency
−7.0
−6.8
−6.6
−6.4
−6.2
−6.0
Energy
1e−6−1.4711e−1

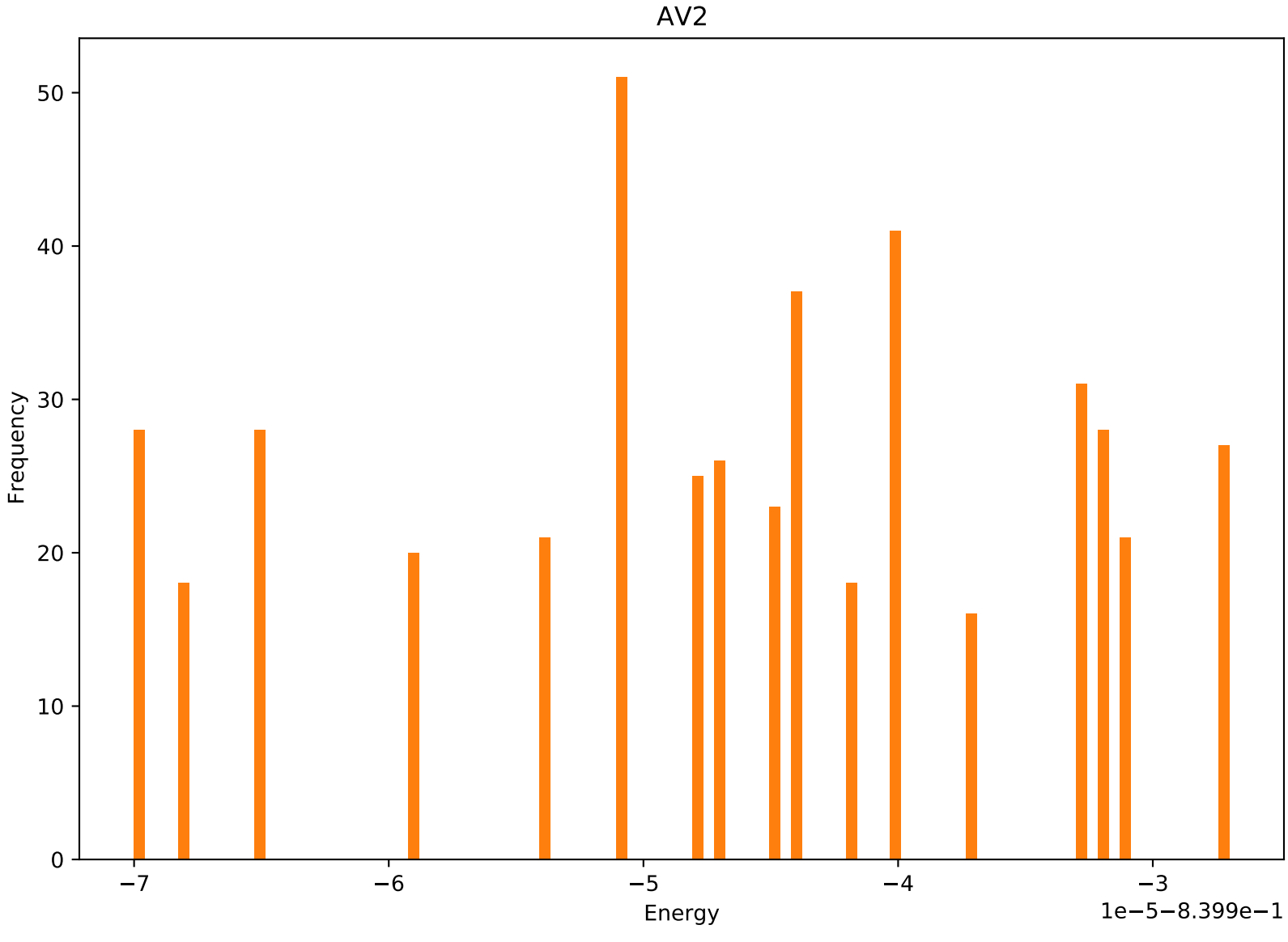

AT6
70
60
50
40
30
20
10
0
Frequency
−1.2
−1.0
−0.8
−0.6
−0.4
Energy
1e−6−4.758e−2

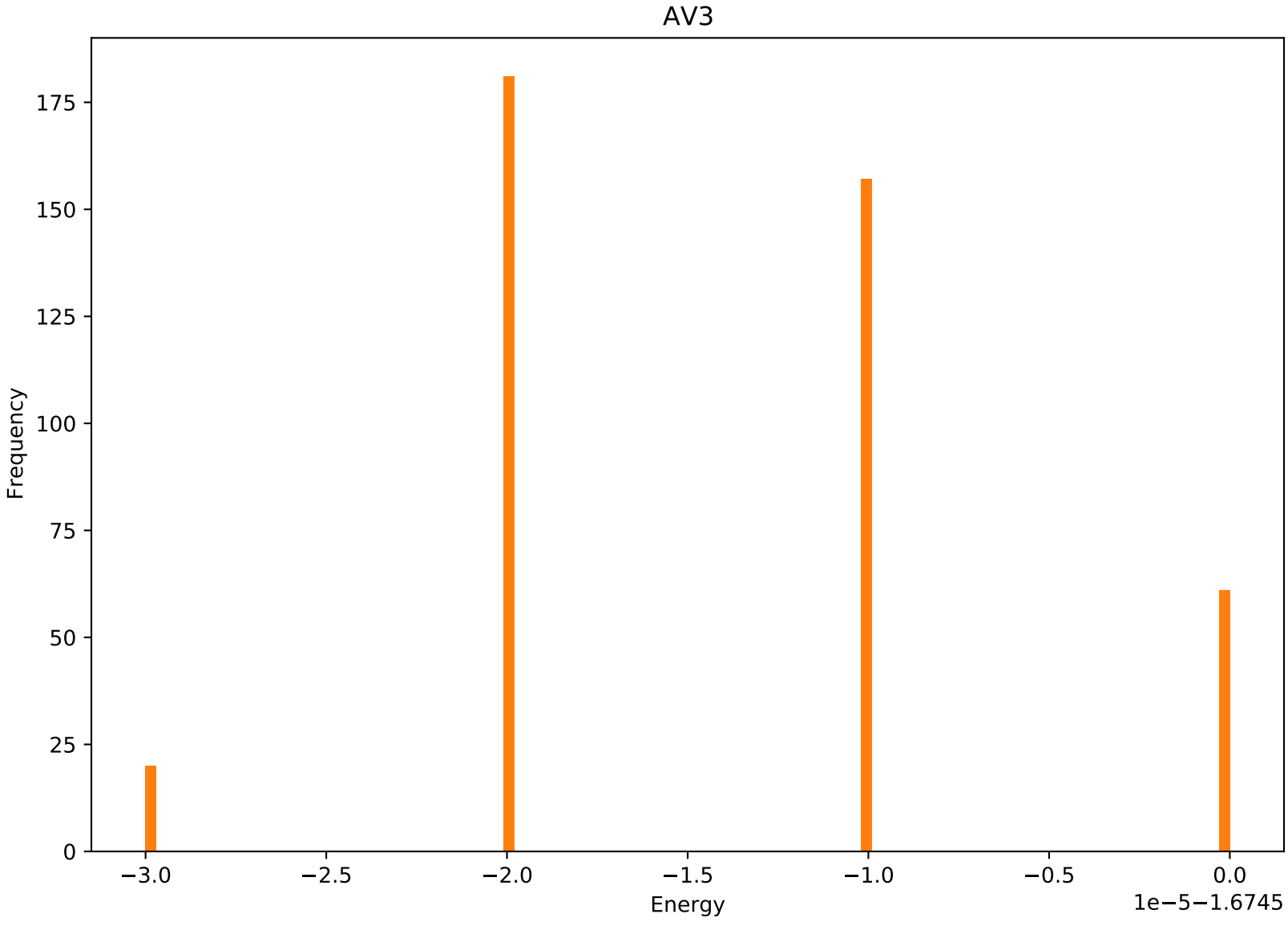

AT7
Frequency
0
10
20
30
40
50
60
−46
−45
−44
−43
−42
−41
−40
−39
−38
Energy
1e−7−3.58e−2

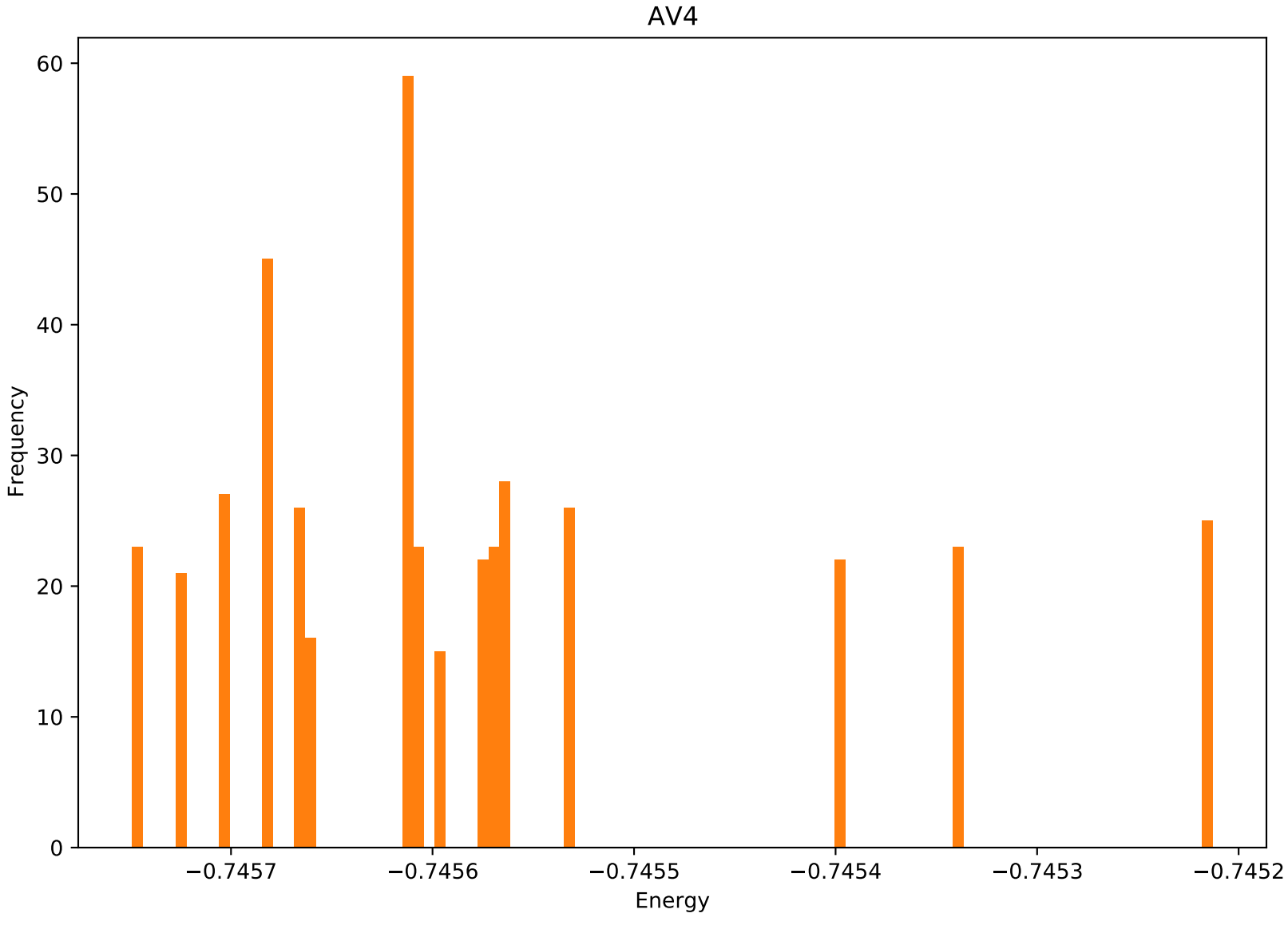

AT8
Frequency
0
10
20
30
40
50
60
70
−5.0
−4.8
−4.6
−4.4
−4.2
−4.0
Energy
1e−7−7.814e−3

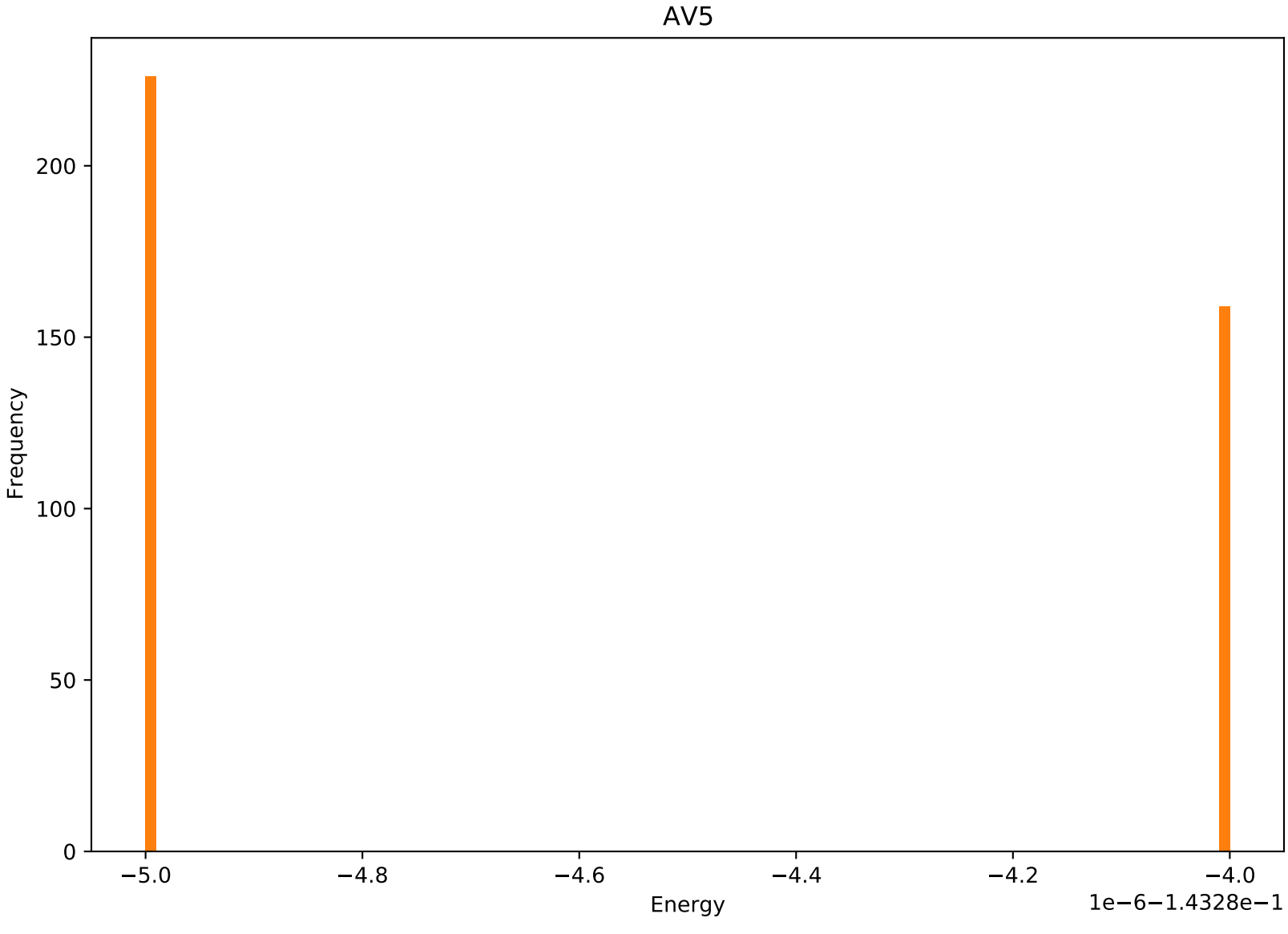

AT9
Frequency
0
10
20
30
40
50
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

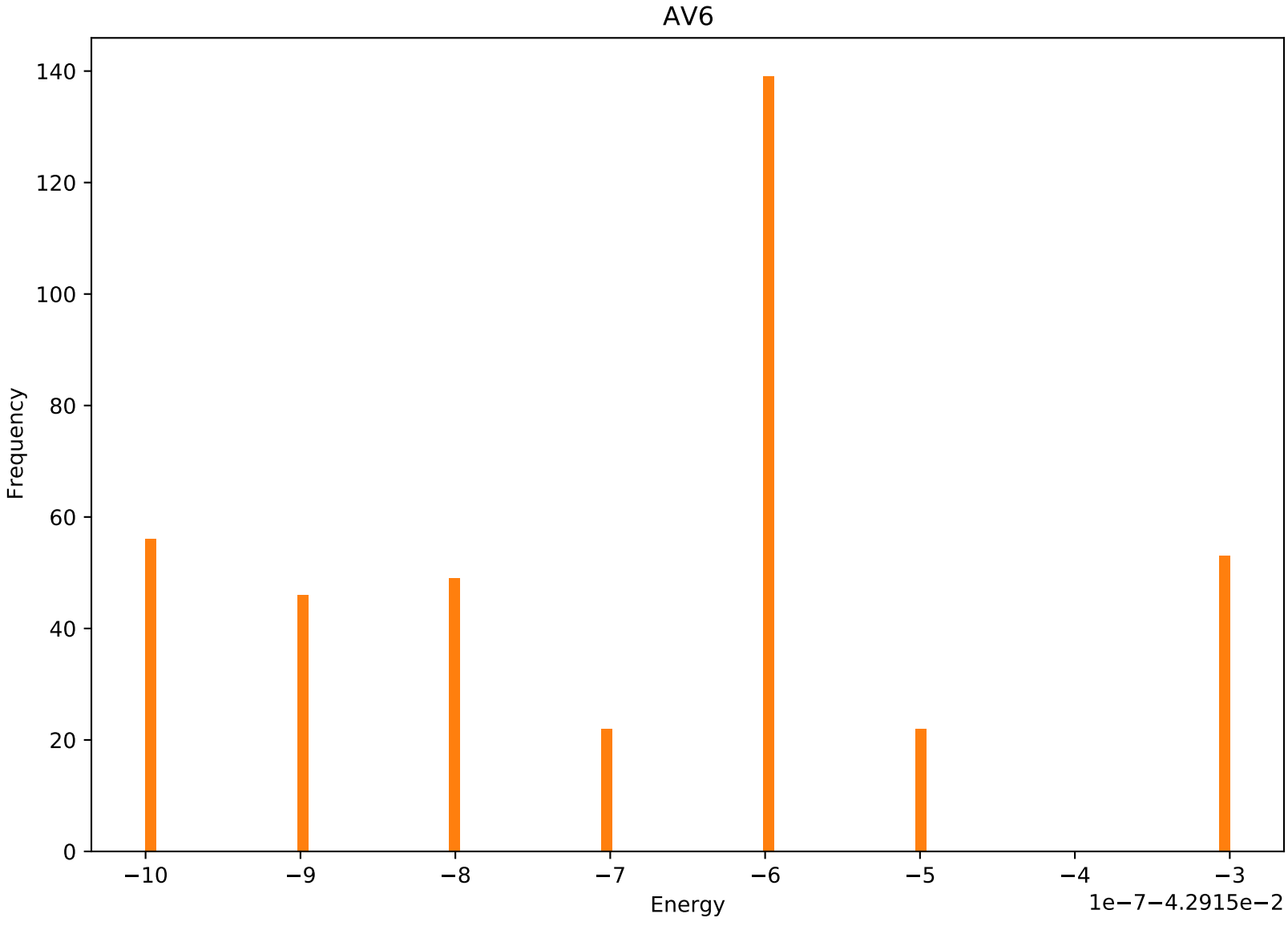

AV1
Frequency
0
10
20
30
40
50
60
0.00025
0.00030
0.00035
0.00040
0.00045
0.00050
0.00055
0.00060
0.00065
Energy
+1.871

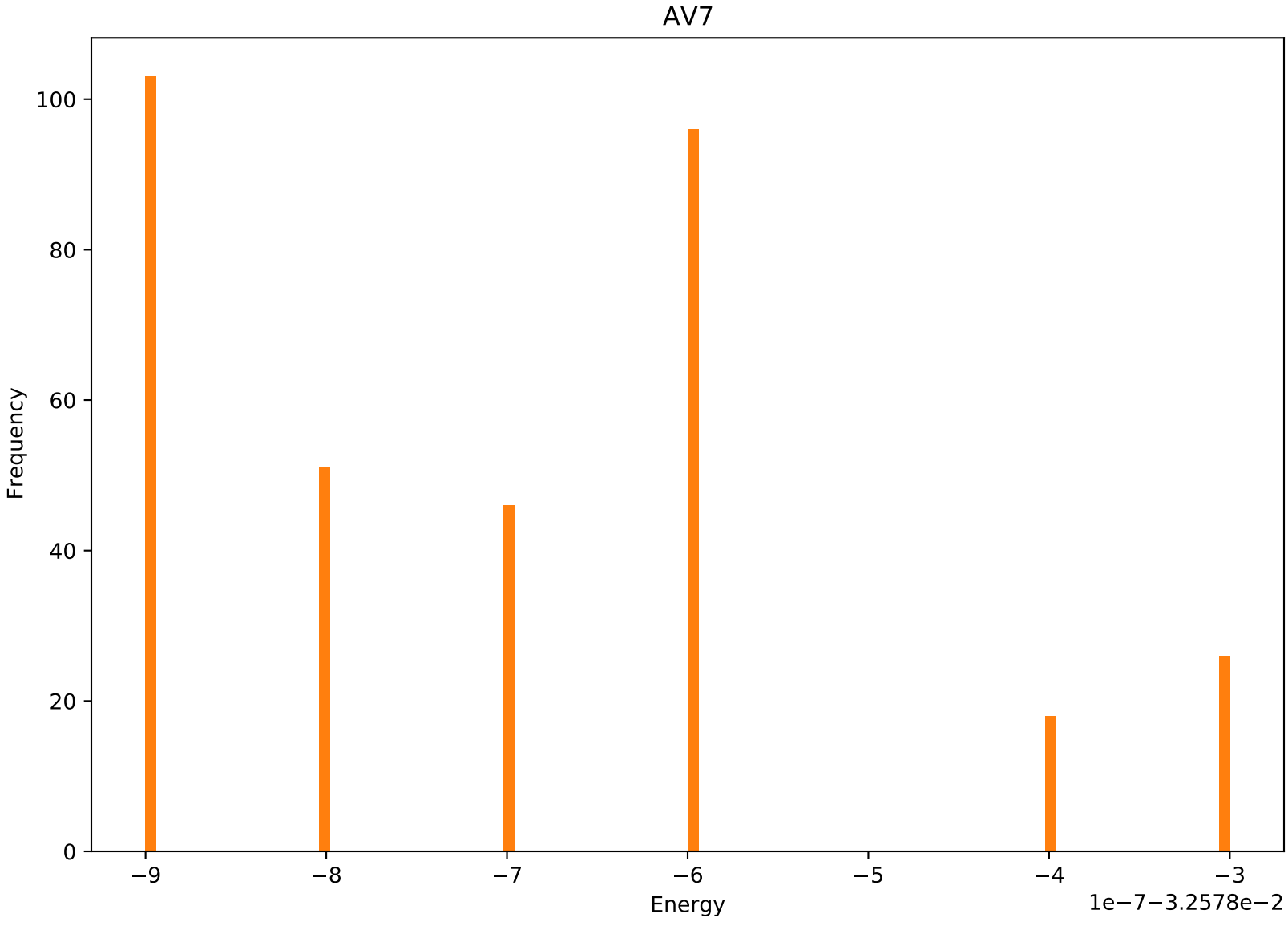

AV2
Frequency
0
10
20
30
40
50
−7
−6
−5
−4
−3
Energy
1e−5−8.399e−1

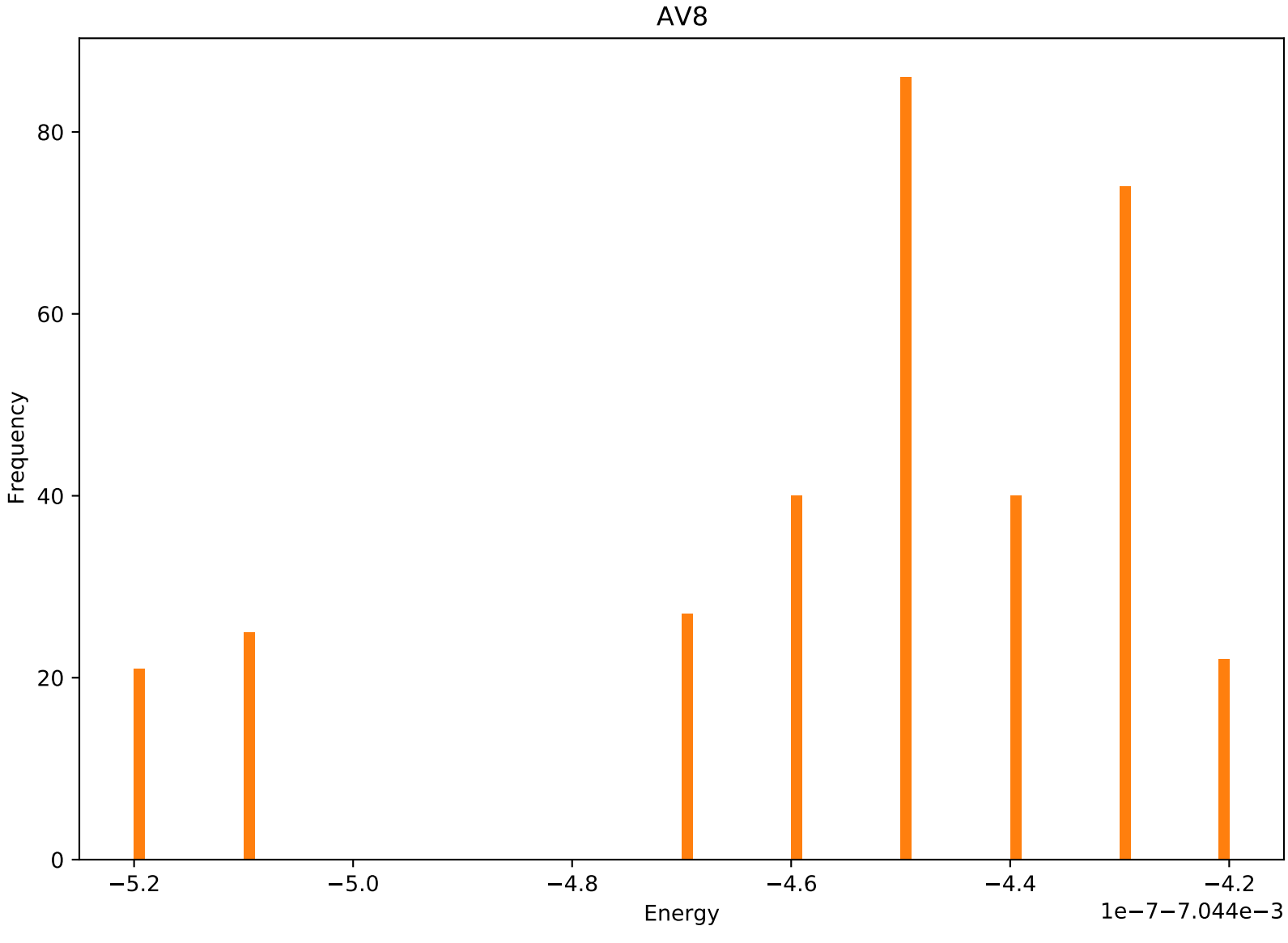

AV3
Frequency
175
150
125
100
75
50
25
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
Energy
1e−5−1.6745

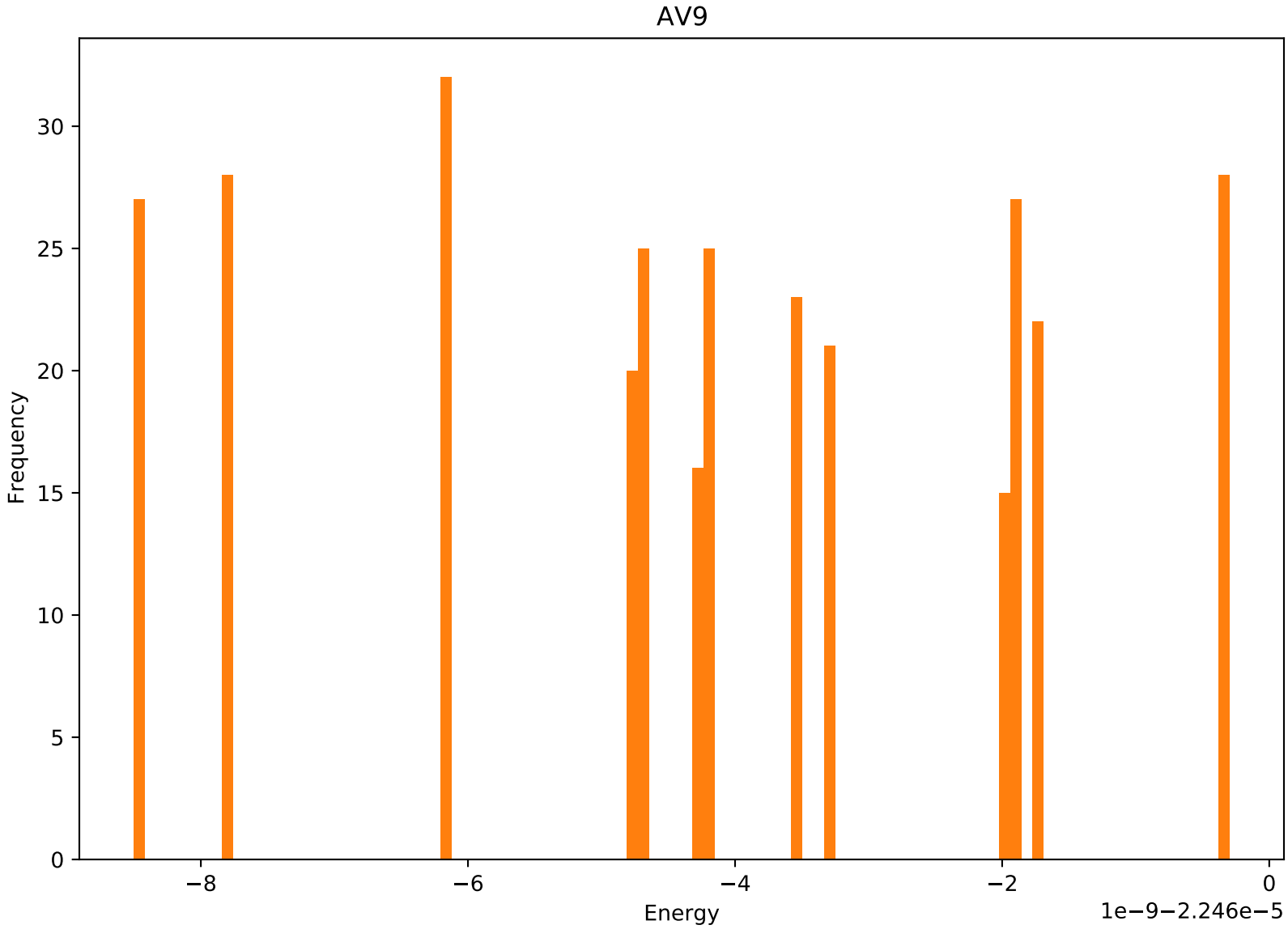

AV4
Frequency
Energy
0
10
20
30
40
50
60
−0.7457
−0.7456
−0.7455
−0.7454
−0.7453
−0.7452

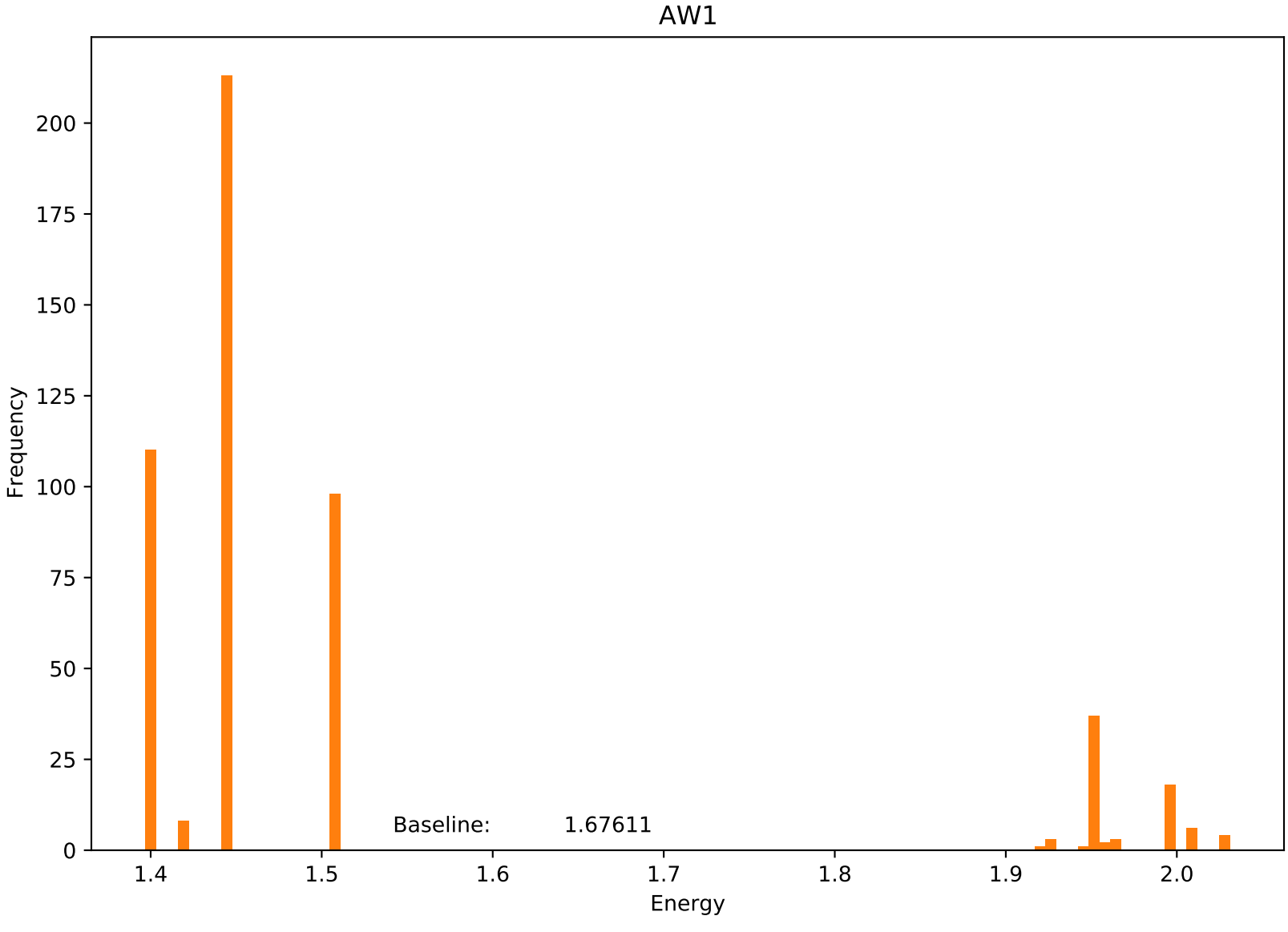

AV5
200
150
100
50
0
Frequency
−5.0
−4.8
−4.6
−4.4
−4.2
−4.0
Energy
1e−6−1.4328e−1

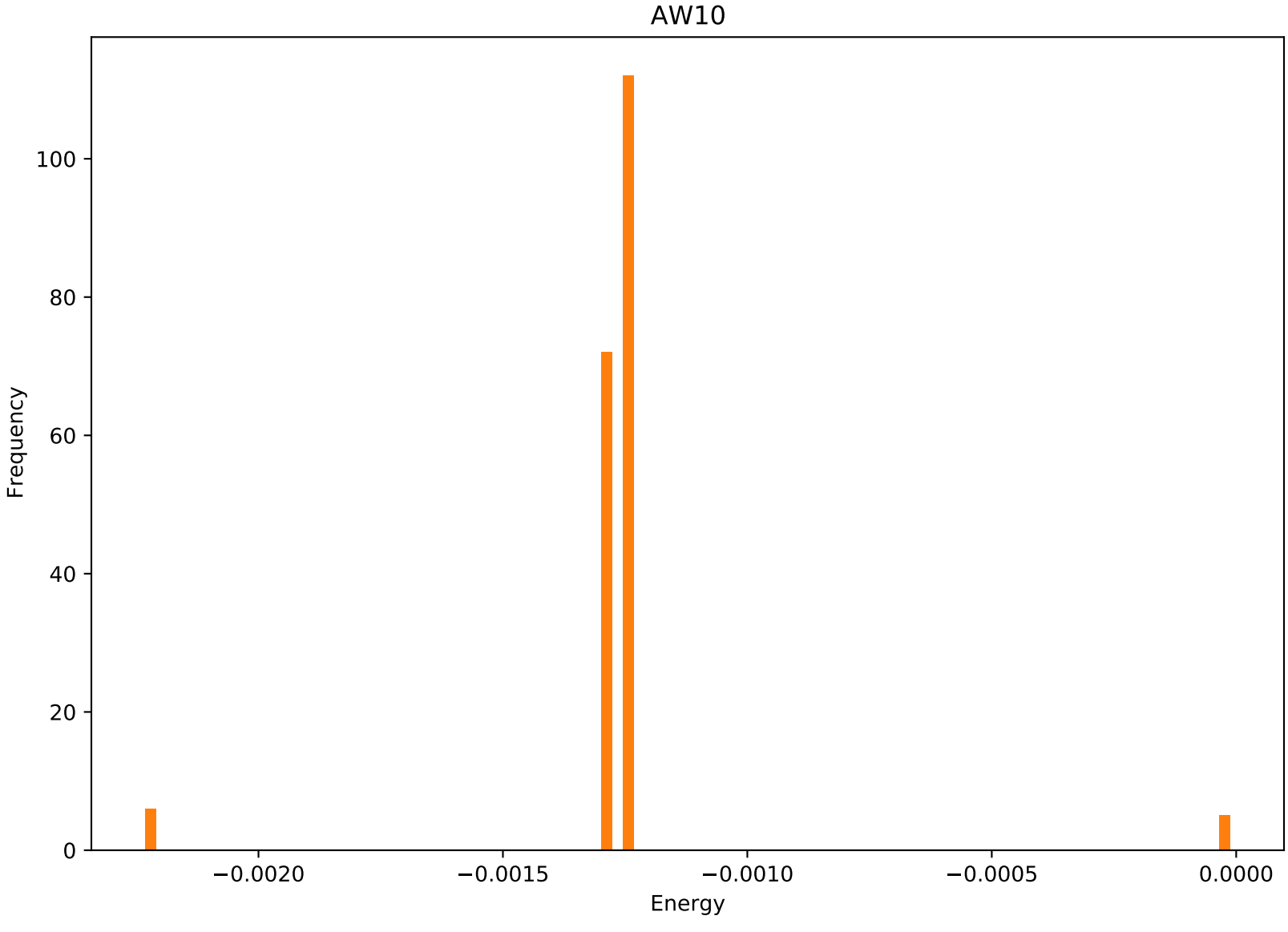

AV6
Frequency
140
120
100
80
60
40
20
0
−10
−9
−8
−7
−6
−5
−4
−3
Energy
1e−7−4.2915e−2

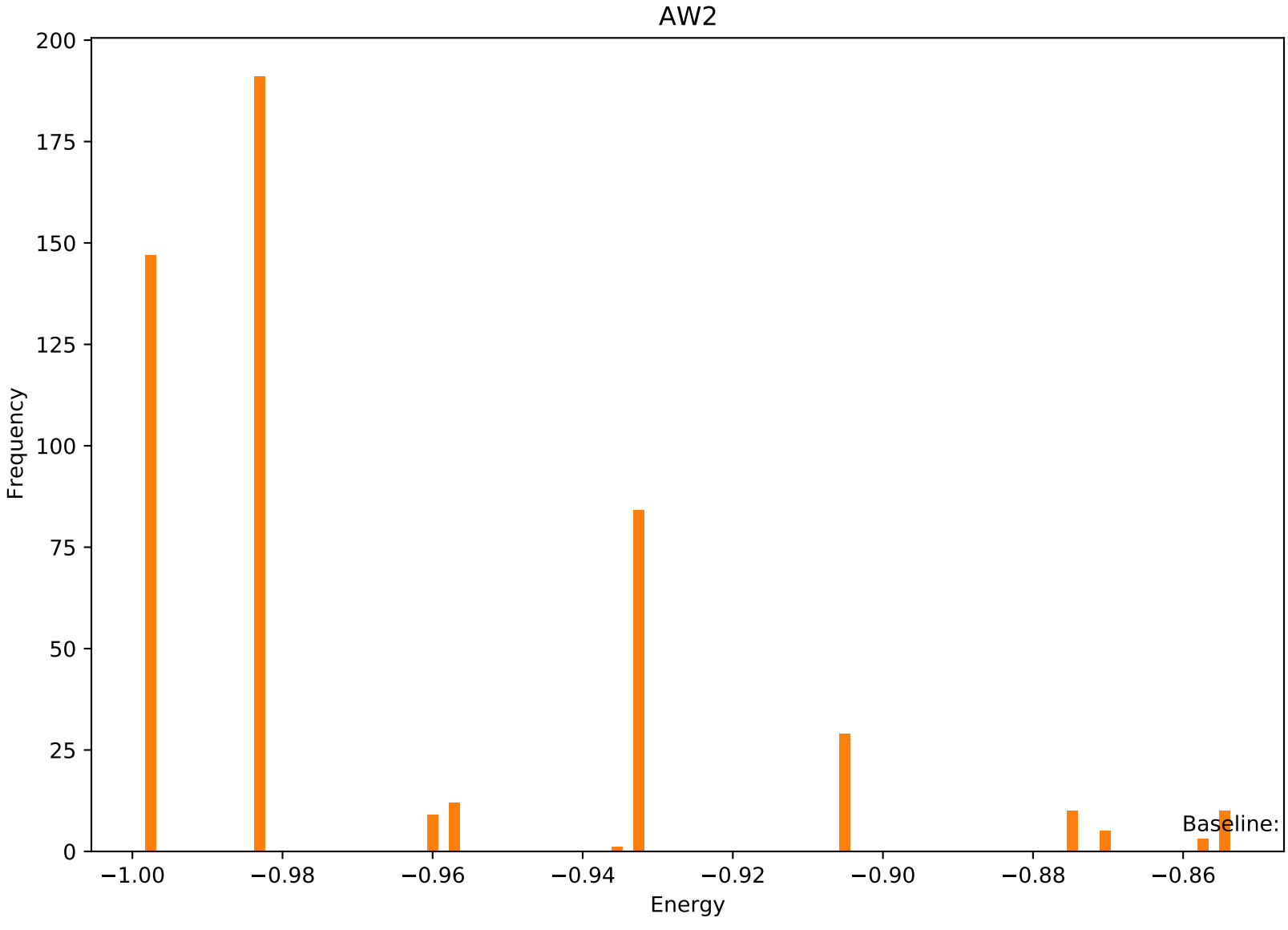

AV7
Frequency
100
80
60
40
20
0
−9
−8
−7
−6
−5
−4
−3
Energy
1e−7−3.2578e−2

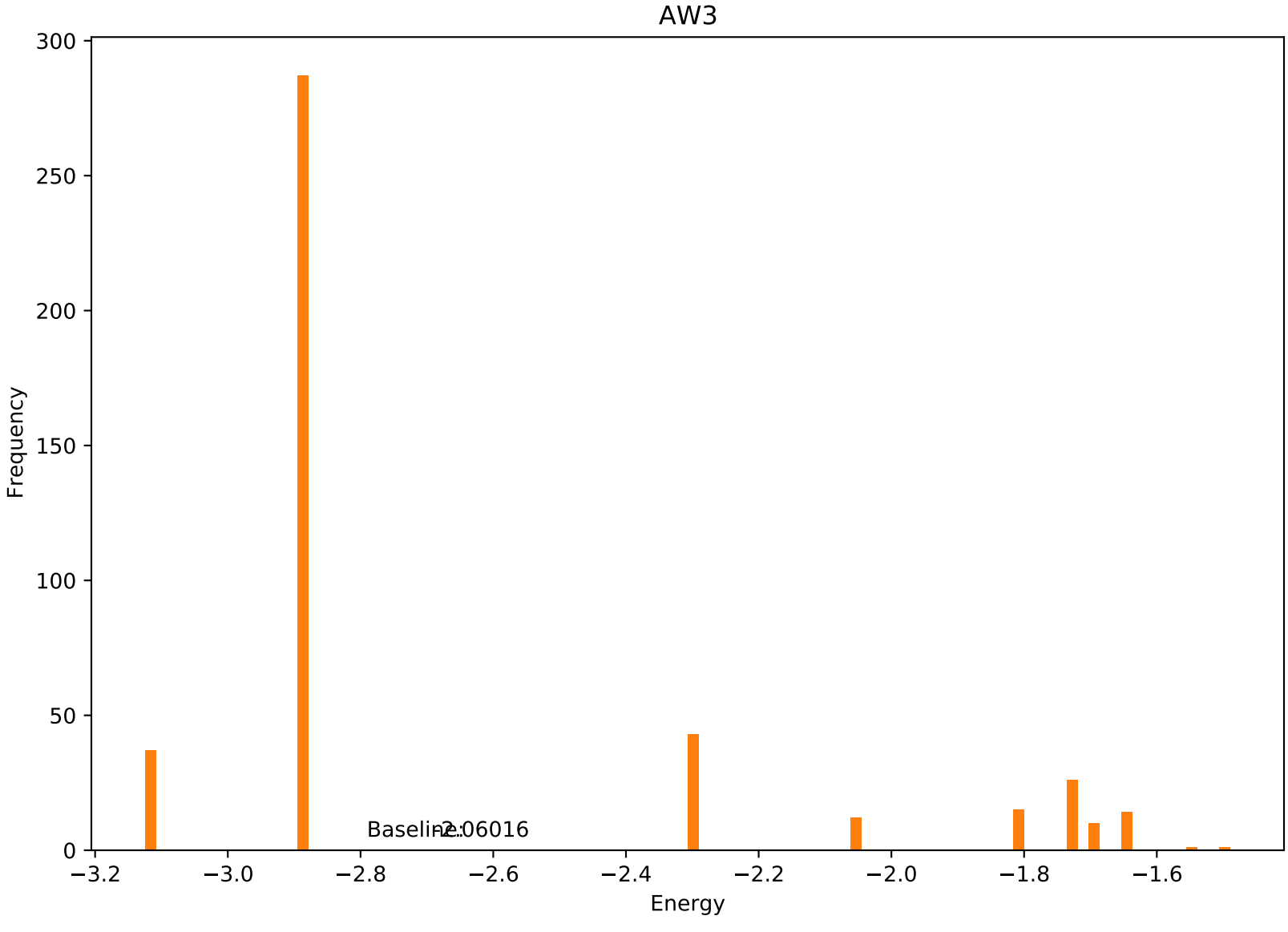

AV8
Frequency
0
20
40
60
80
−5.2
−5.0
−4.8
−4.6
−4.4
−4.2
Energy
1e−7−7.044e−3

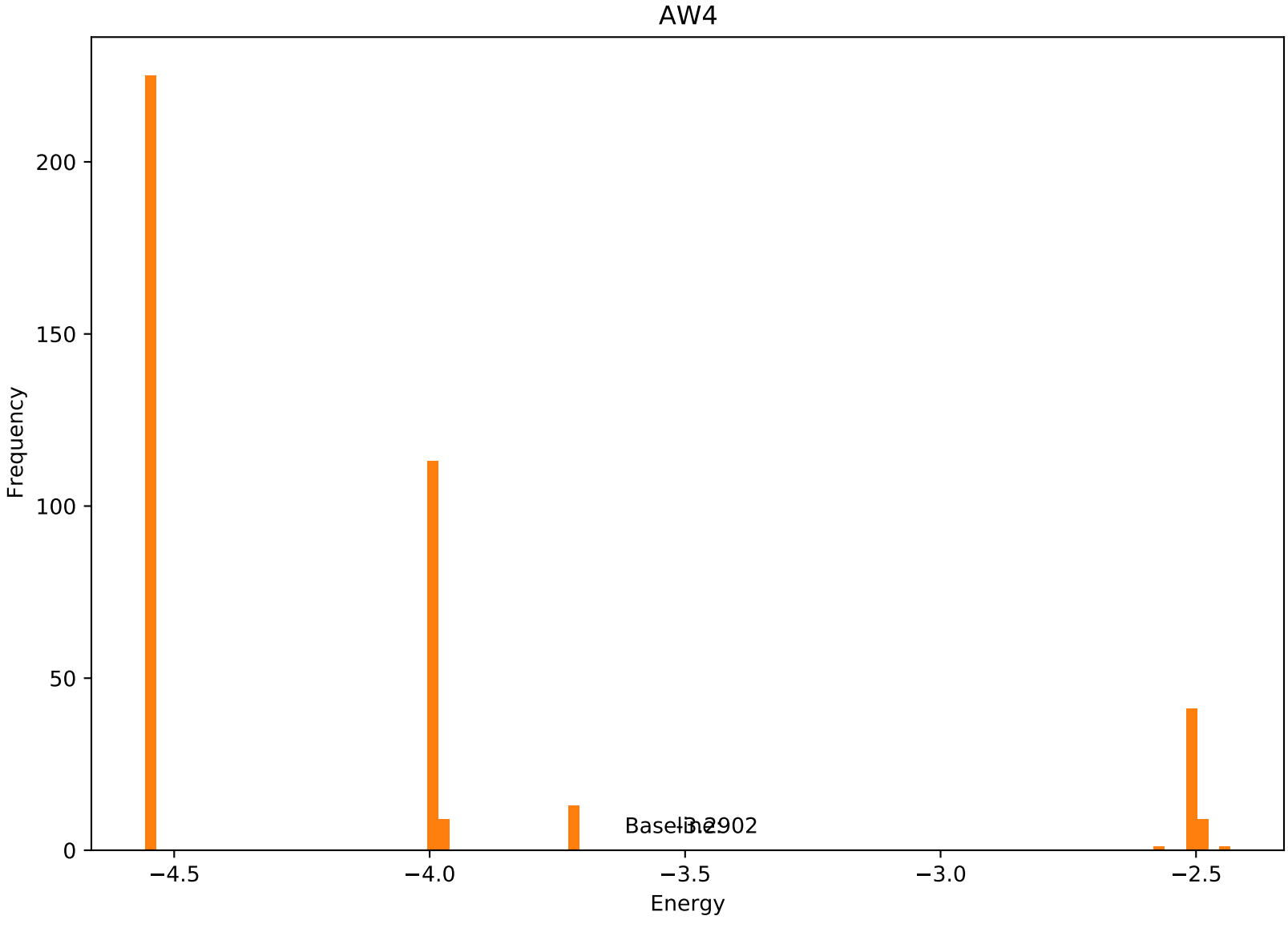

AV9
Frequency
30
25
20
15
10
5
0
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

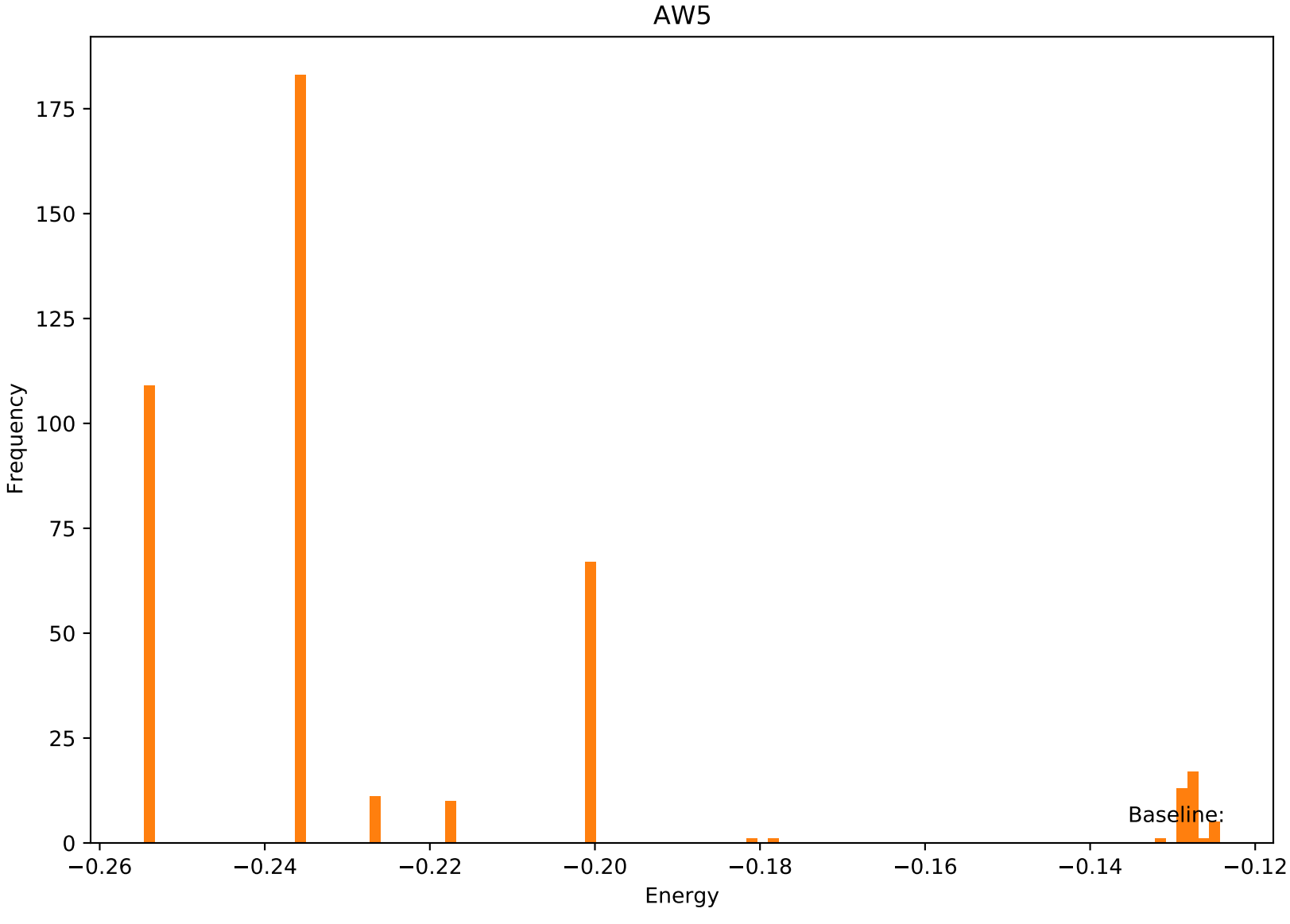

AW1
Frequency
Energy
Baseline: 1.67611
0
25
50
75
100
125
150
175
200
1.4
1.5
1.6
1.7
1.8
1.9
2.0

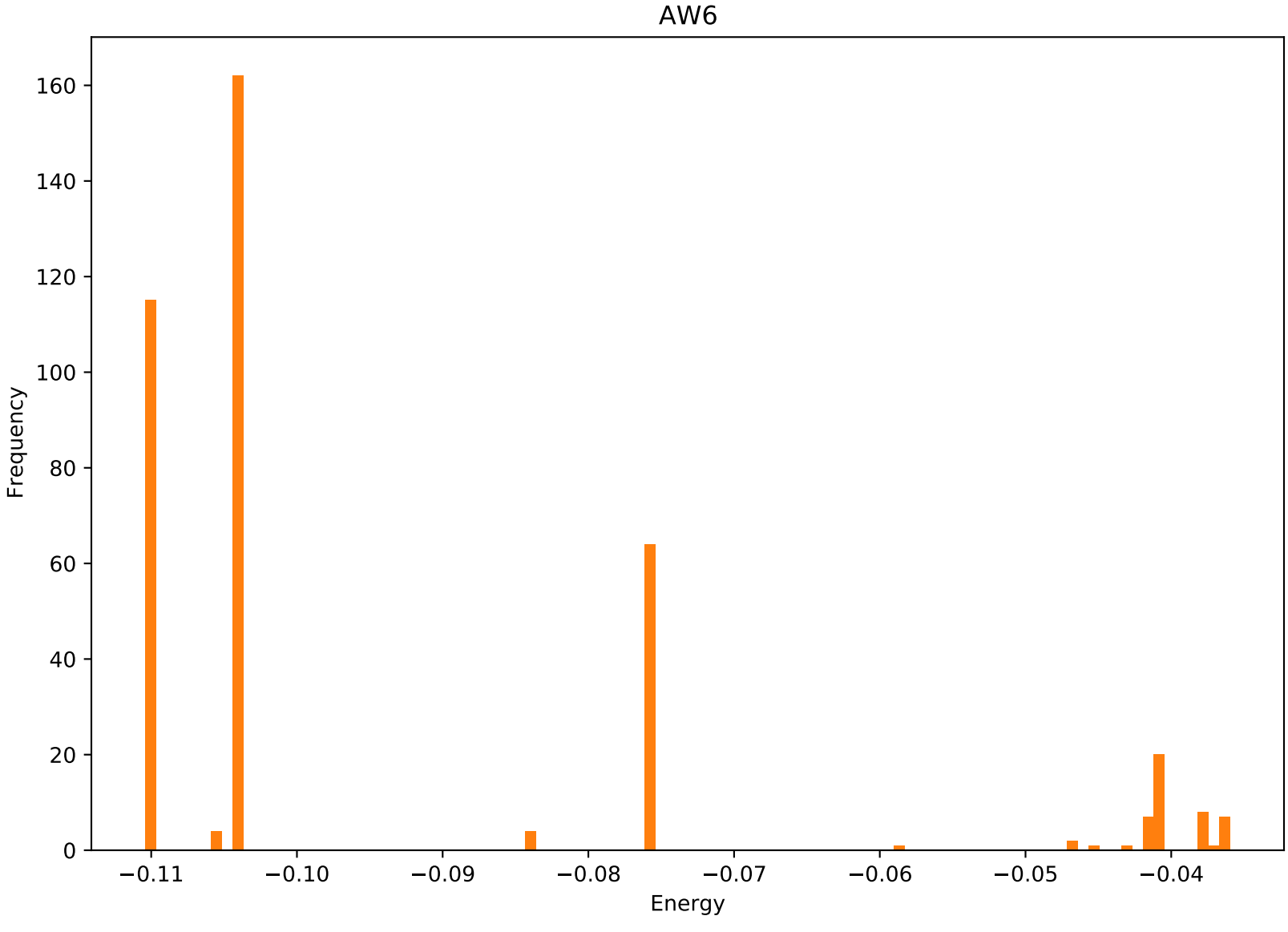

AW10
Frequency
Energy
0
20
40
60
80
100
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

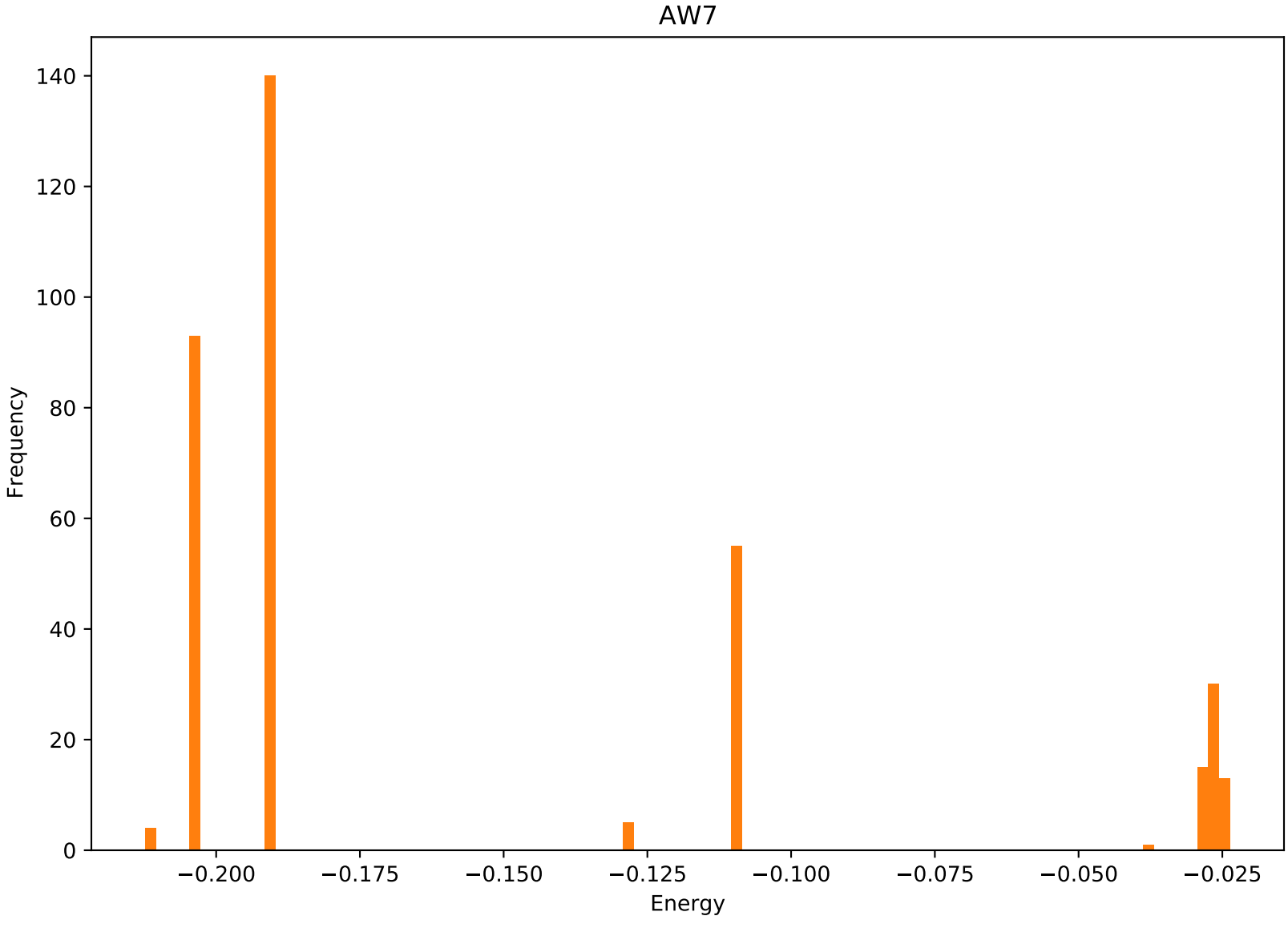

AW2
200
175
150
125
100
75
50
25
0
Frequency
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88
−0.86
Energy
Baseline:

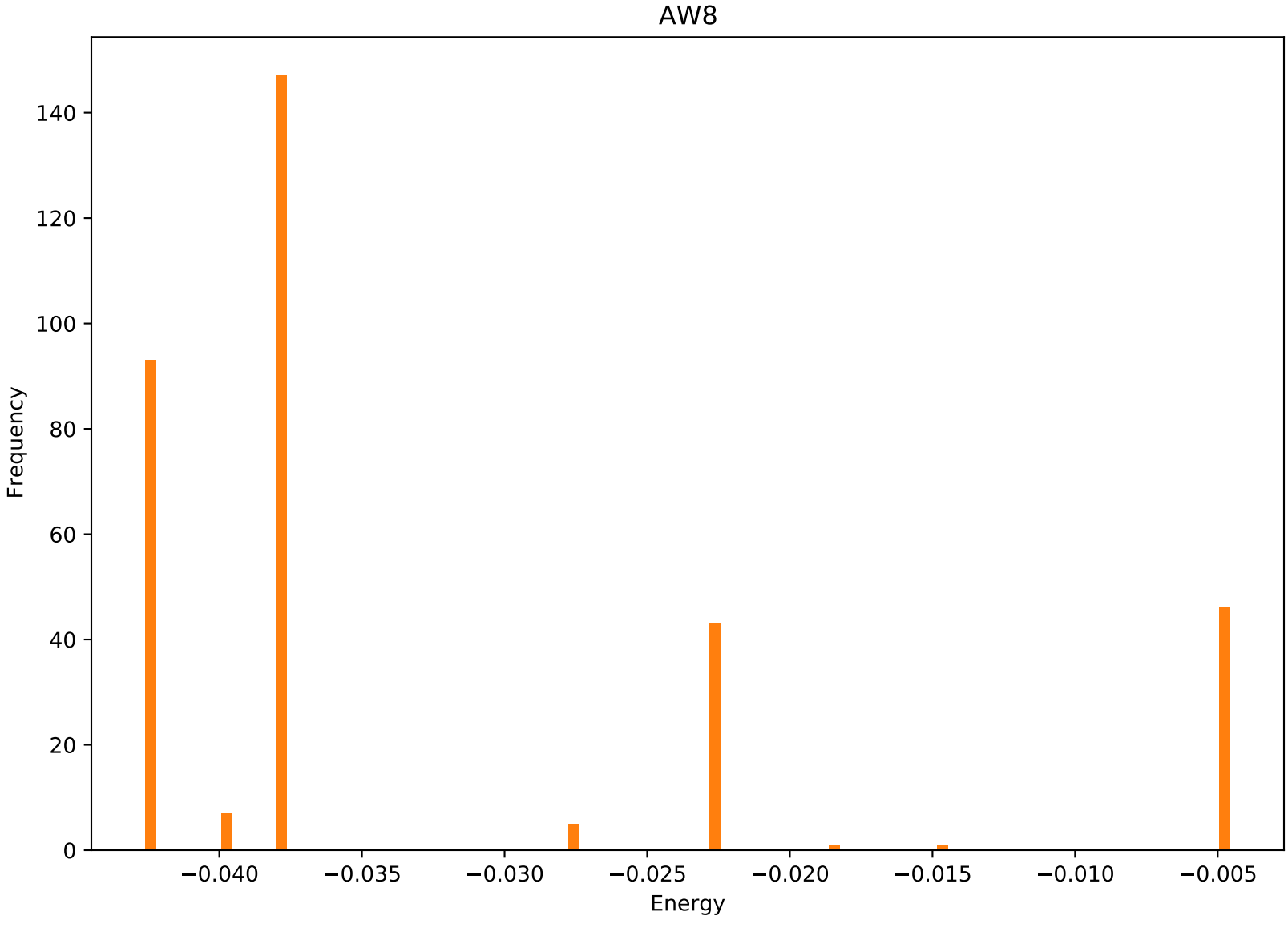

AW3
300
250
200
150
100
50
0
Frequency
−3.2
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8
−1.6
Energy
Baseline: 2.06016

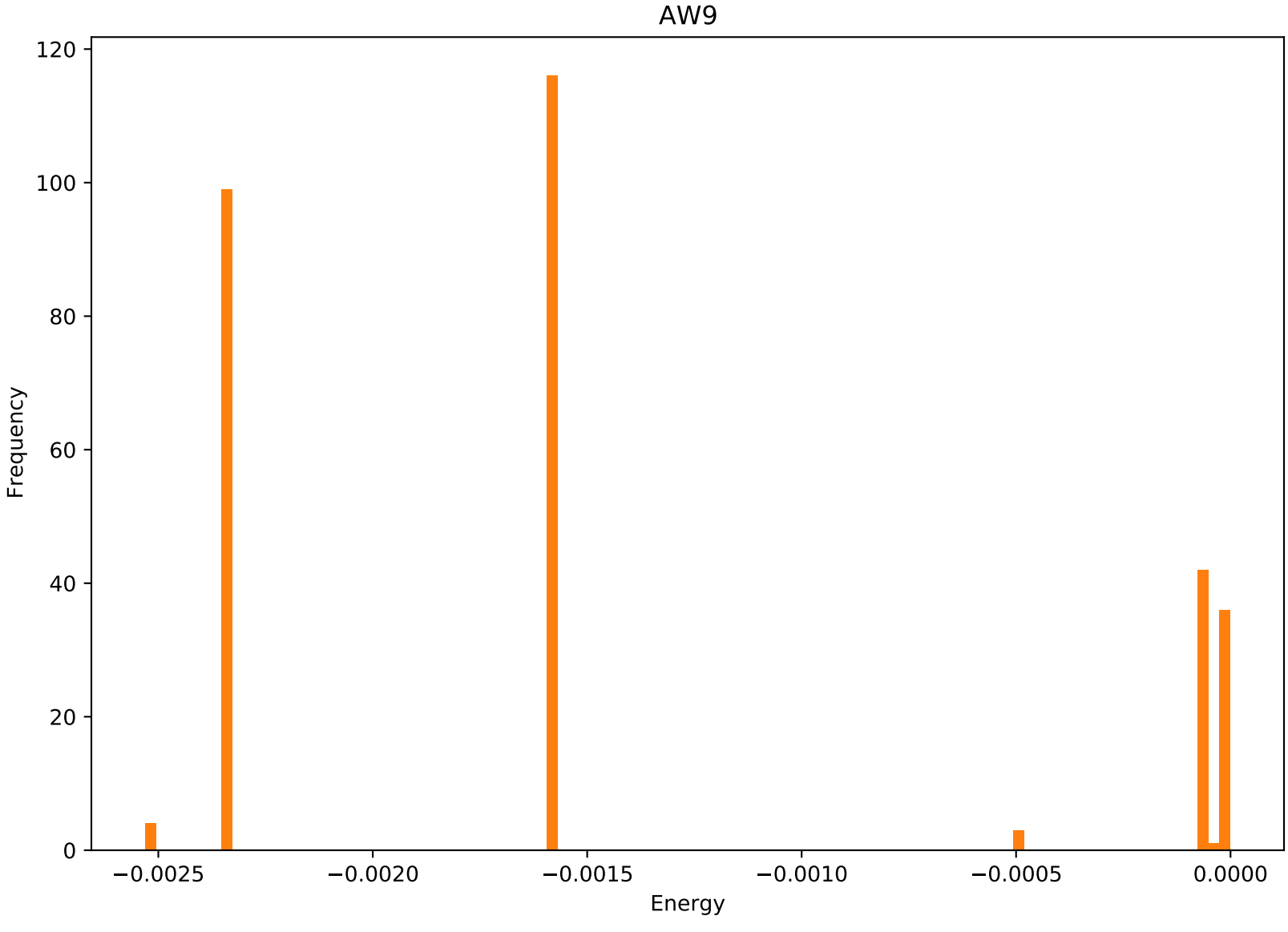

AW4
Frequency
200
150
100
50
0
−4.5
−4.0
−3.5
−3.0
−2.5
Energy
Baseline2902

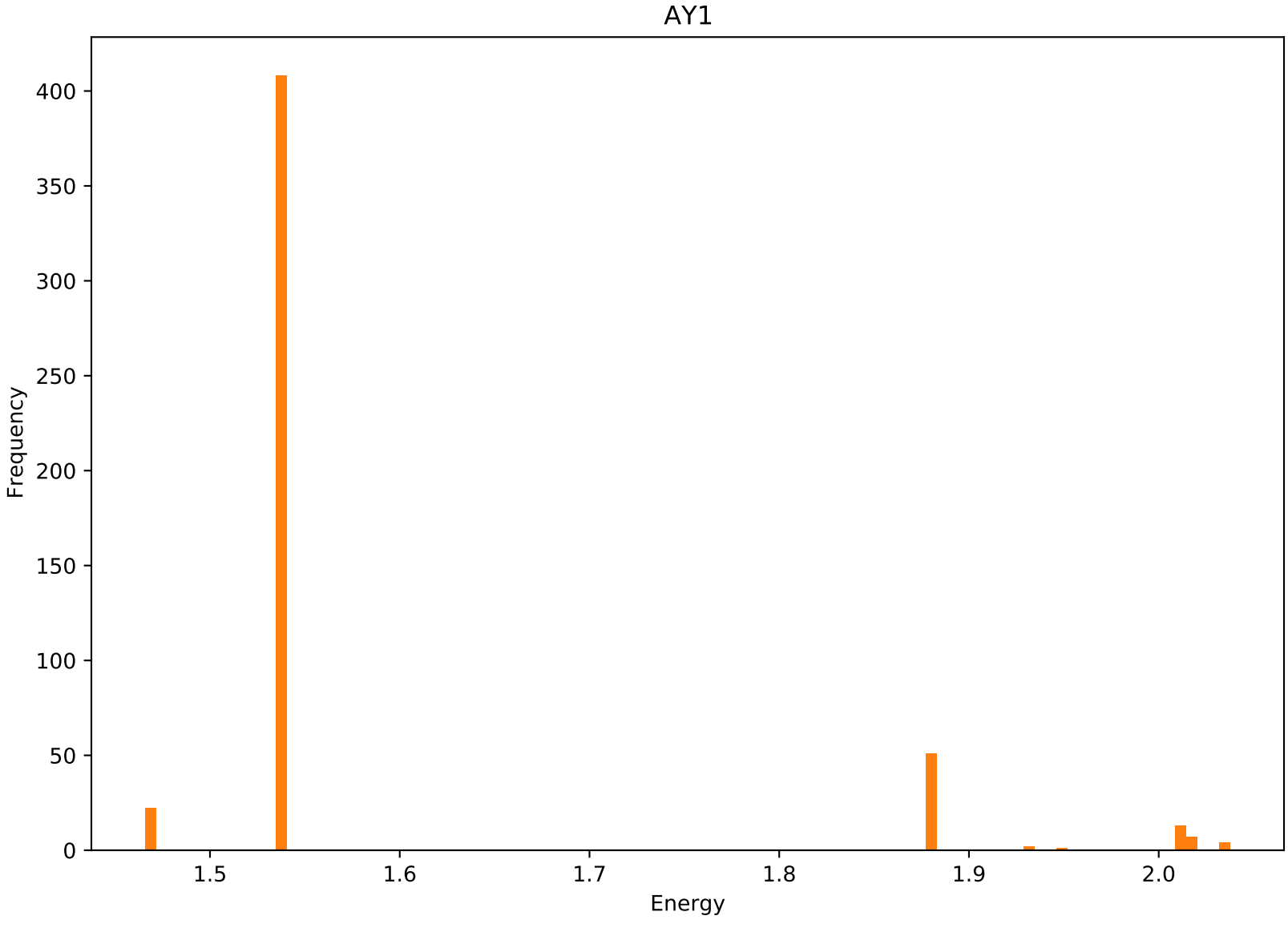

AW5
Frequency
Energy
Baseline:
0
25
50
75
100
125
150
175
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
−0.12

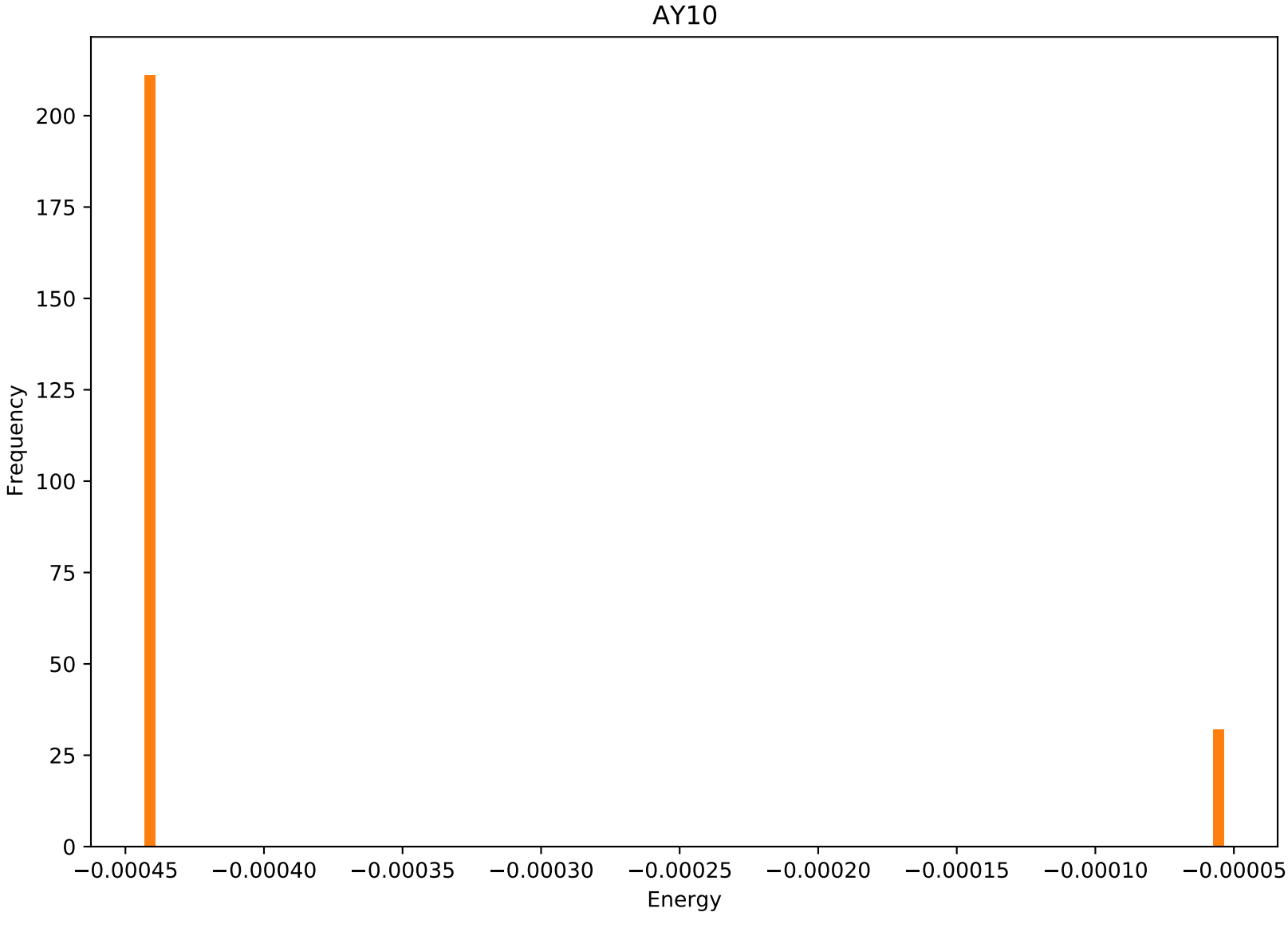

AW6
Frequency
Energy
0
20
40
60
80
100
120
140
160
−0.11
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

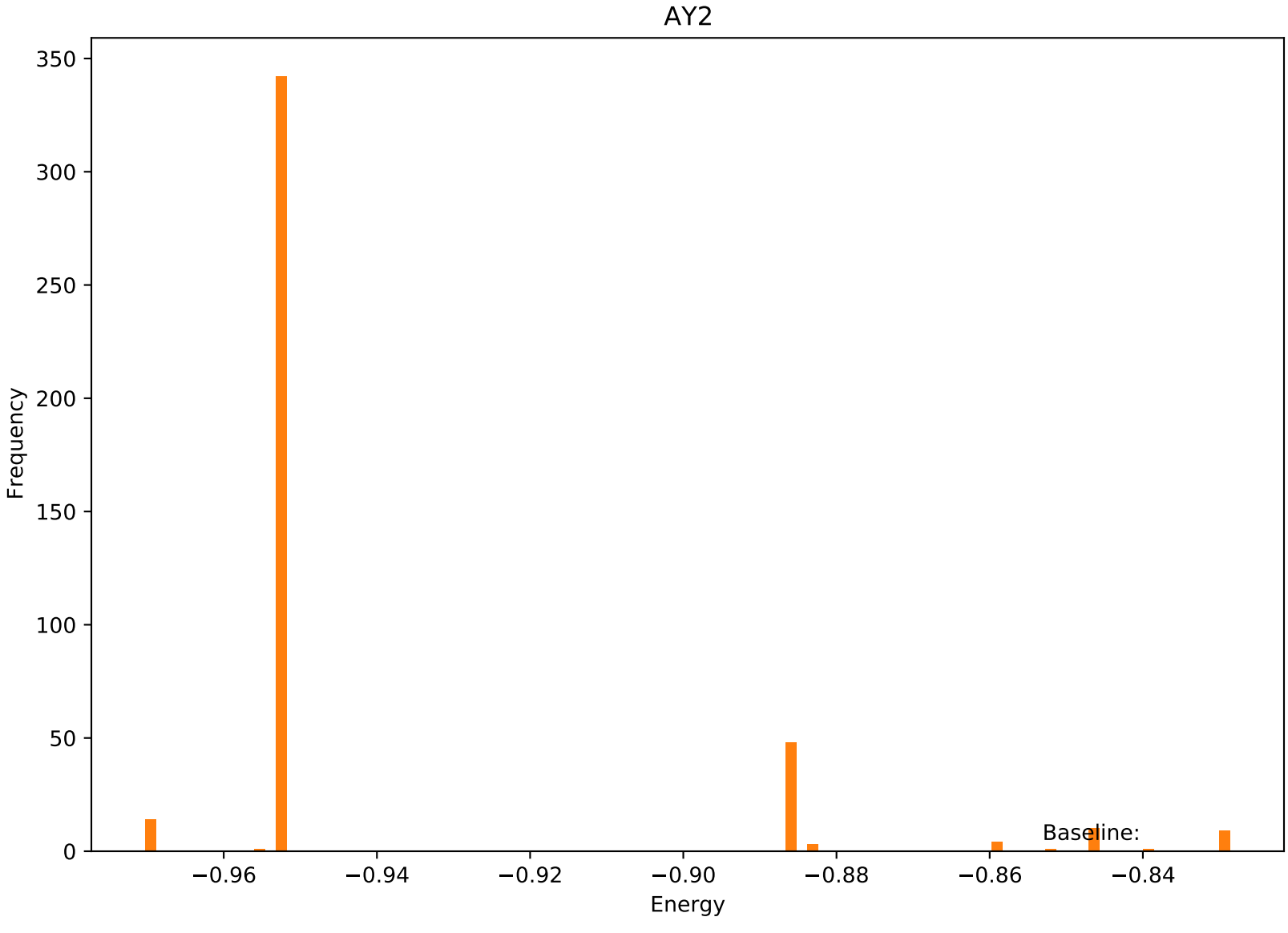

AW7
Frequency
Energy
0
20
40
60
80
100
120
140
−0.200
−0.175
−0.150
−0.125
−0.100
−0.075
−0.050
−0.025

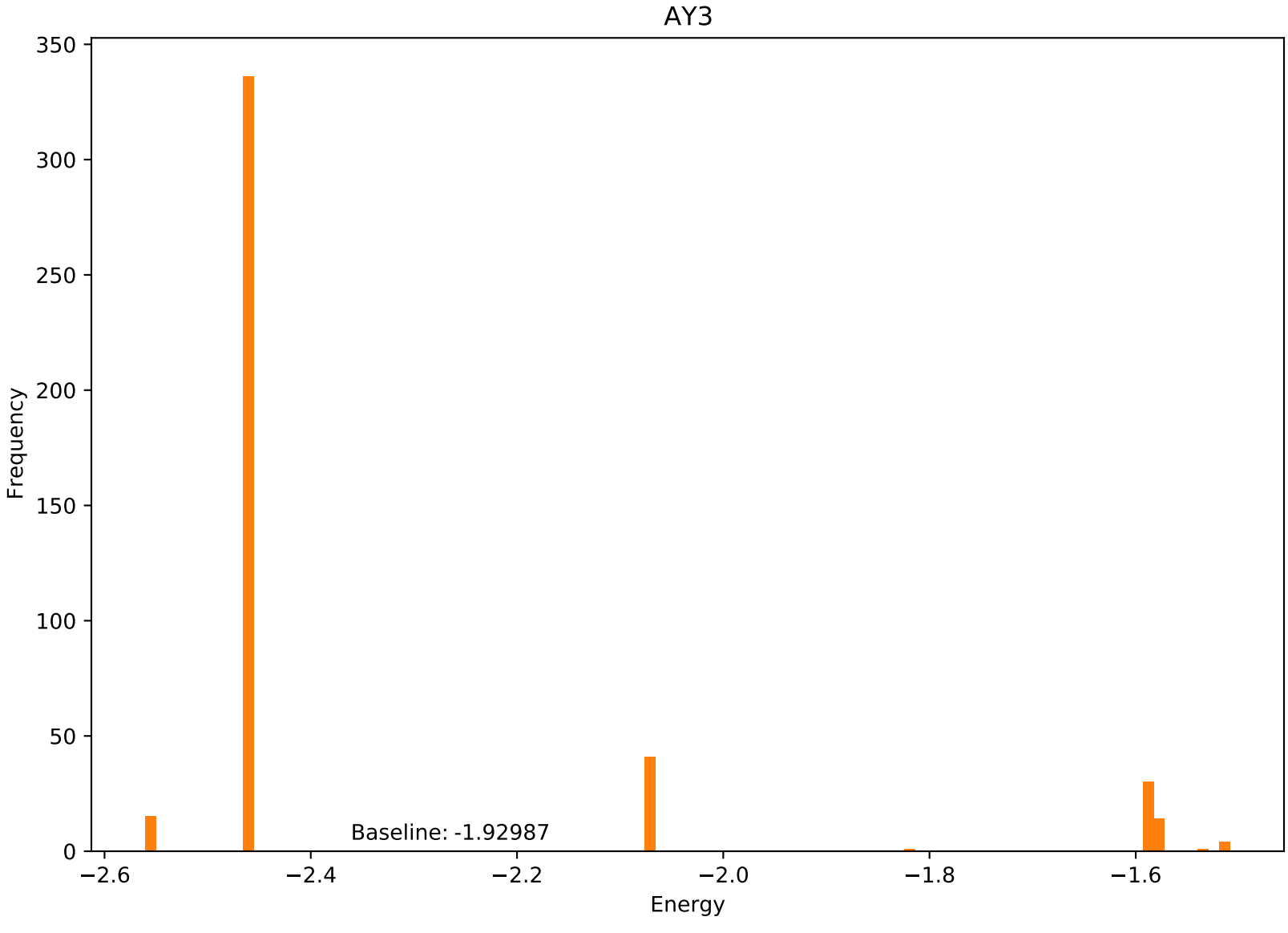

AW8
Frequency
Energy
0
20
40
60
80
100
120
140
−0.040
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005

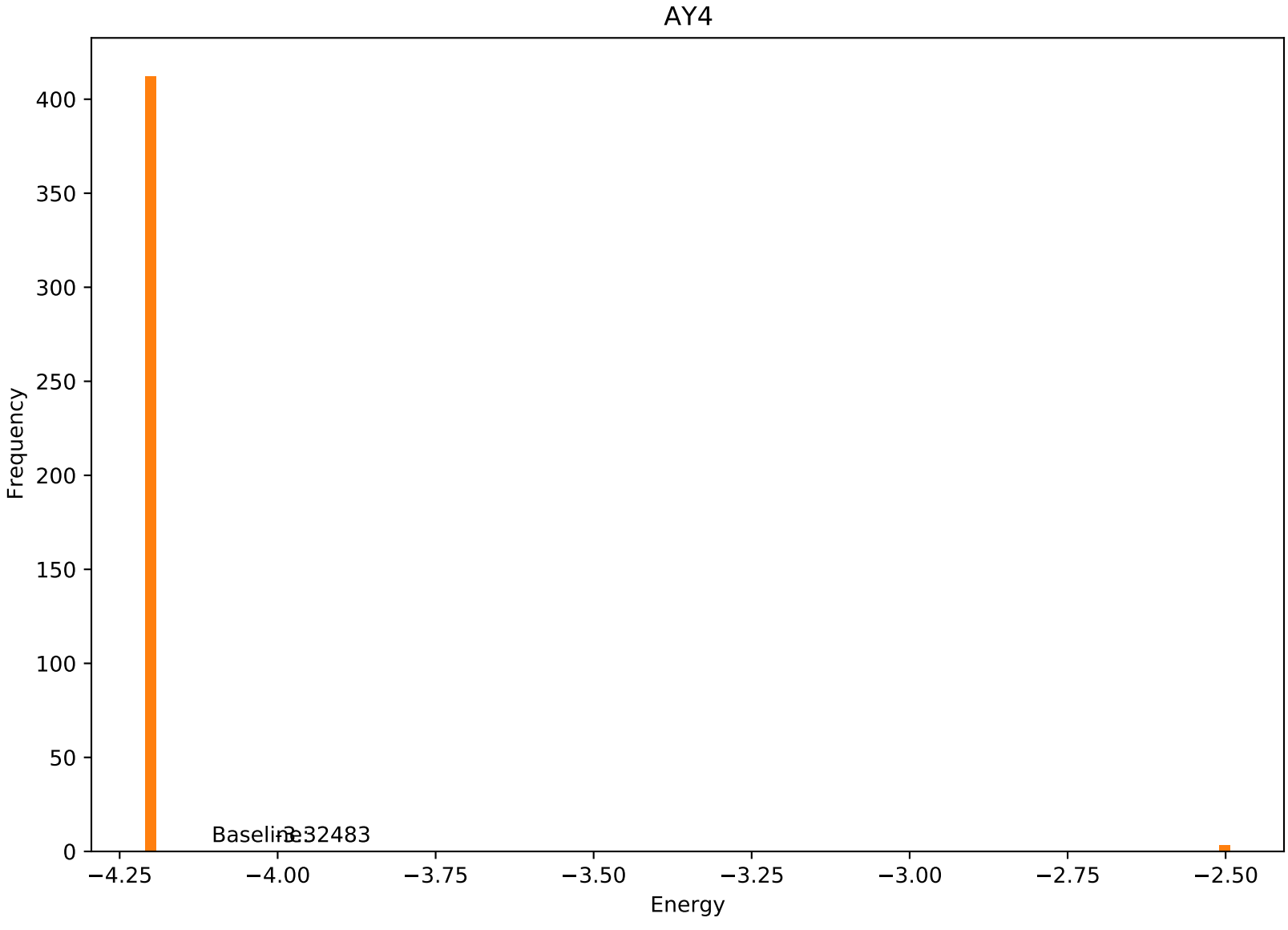

AW9
120
100
80
60
40
20
0
Frequency
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000
Energy

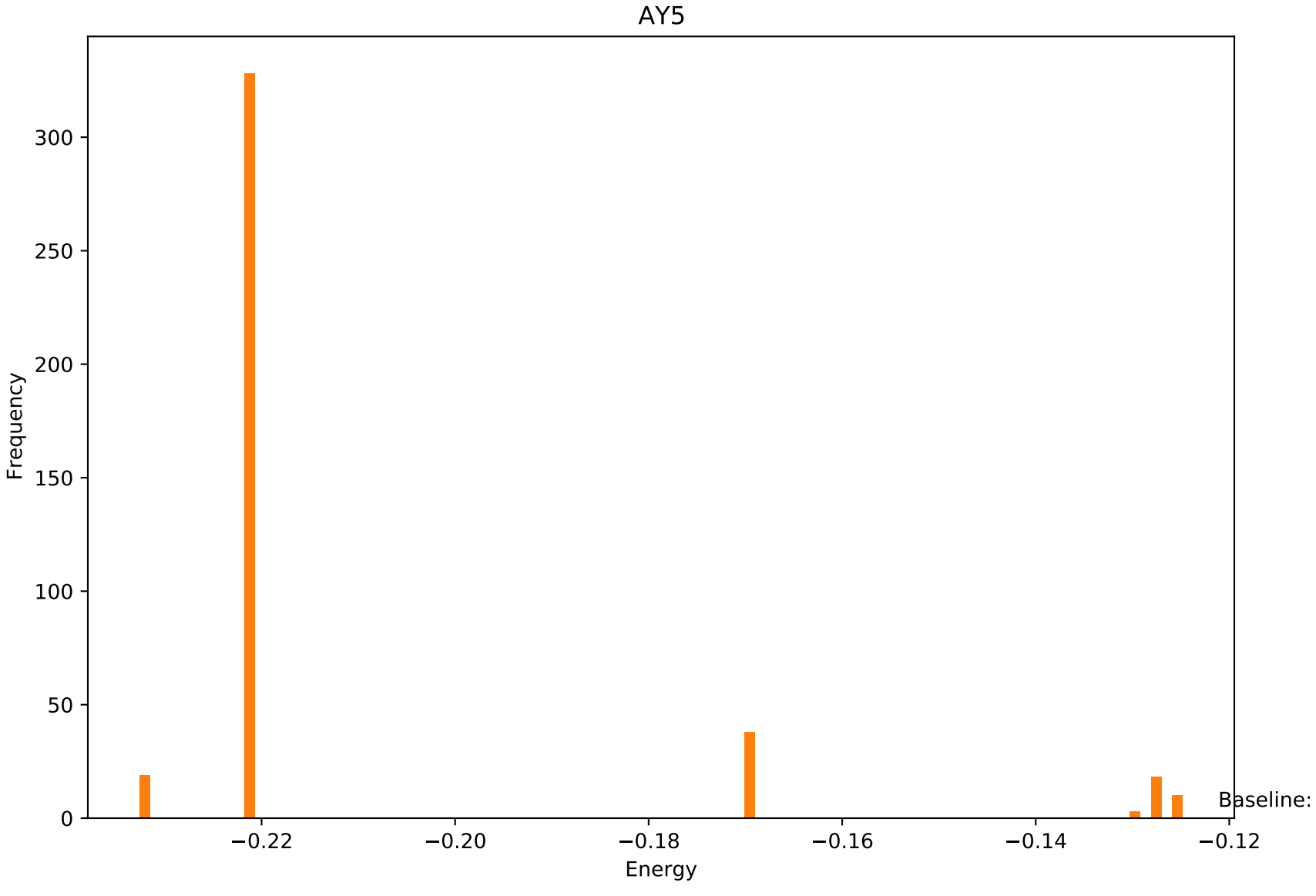

AY1
Frequency
Energy
0
50
100
150
200
250
300
350
400
1.5
1.6
1.7
1.8
1.9
2.0

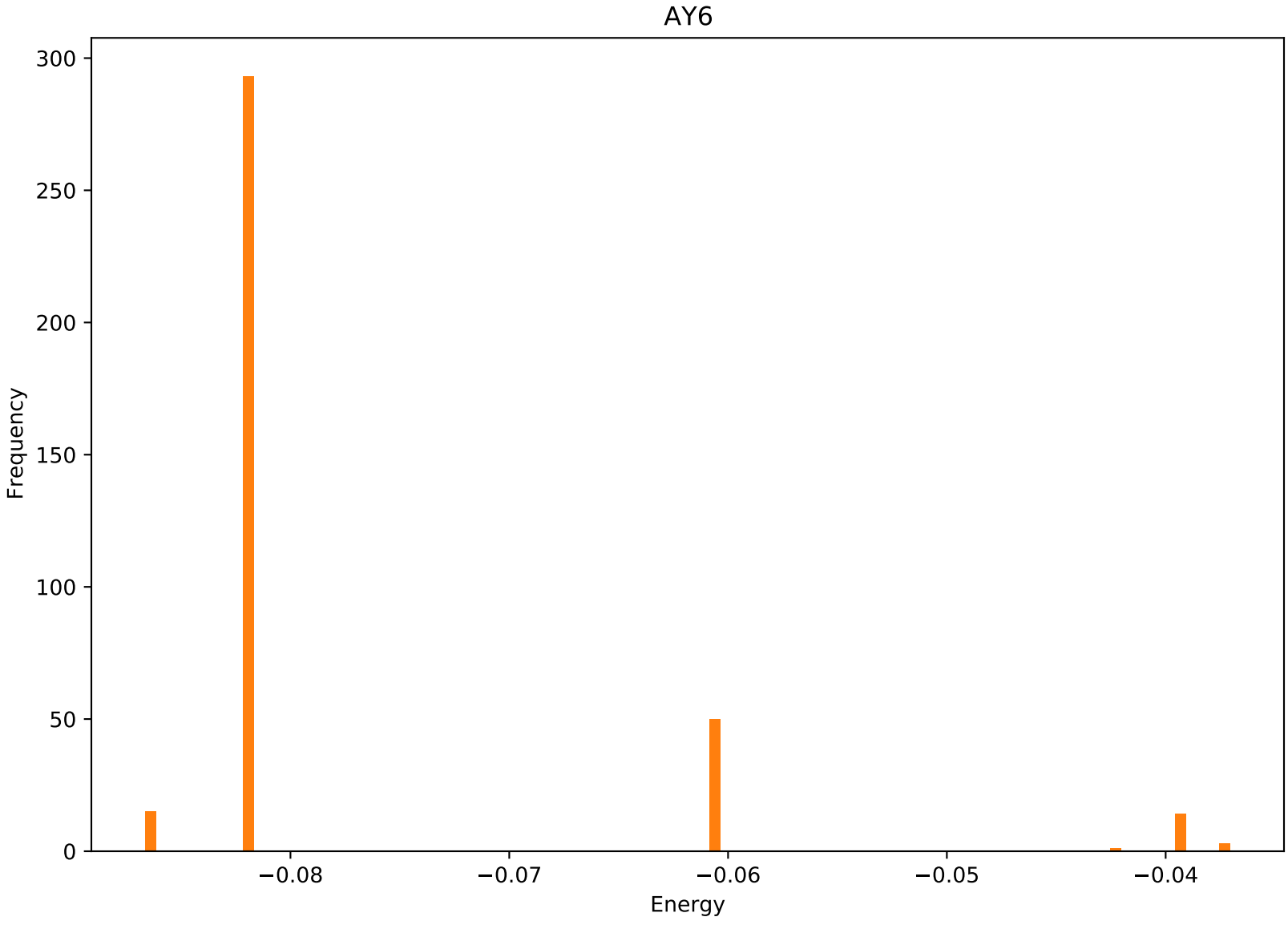

AY10
Frequency
Energy
0
25
50
75
100
125
150
175
200
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005

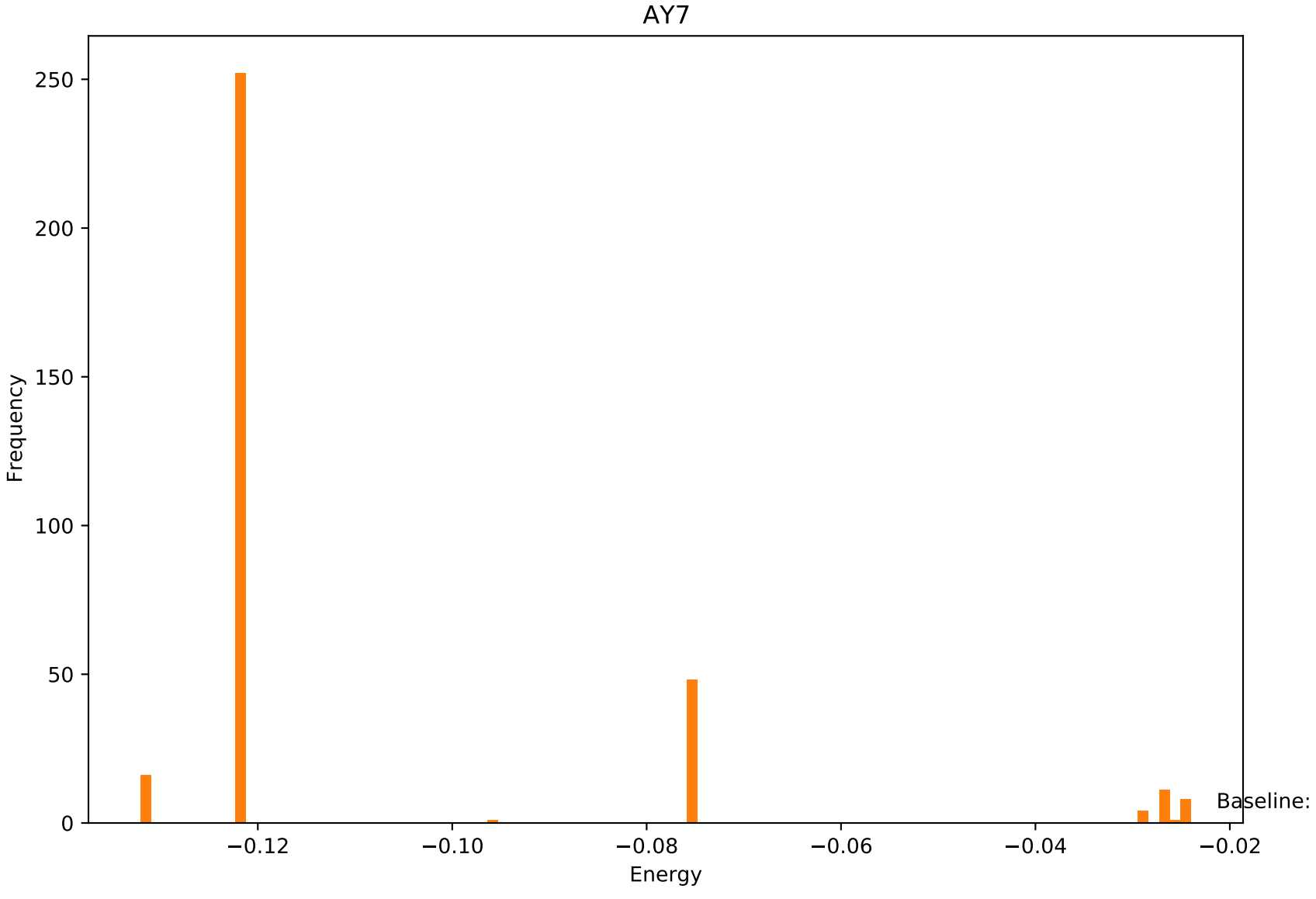

AY2
Frequency
Energy
Baseline:
0
50
100
150
200
250
300
350
−0.96
−0.94
−0.92
−0.90
−0.88
−0.86
−0.84

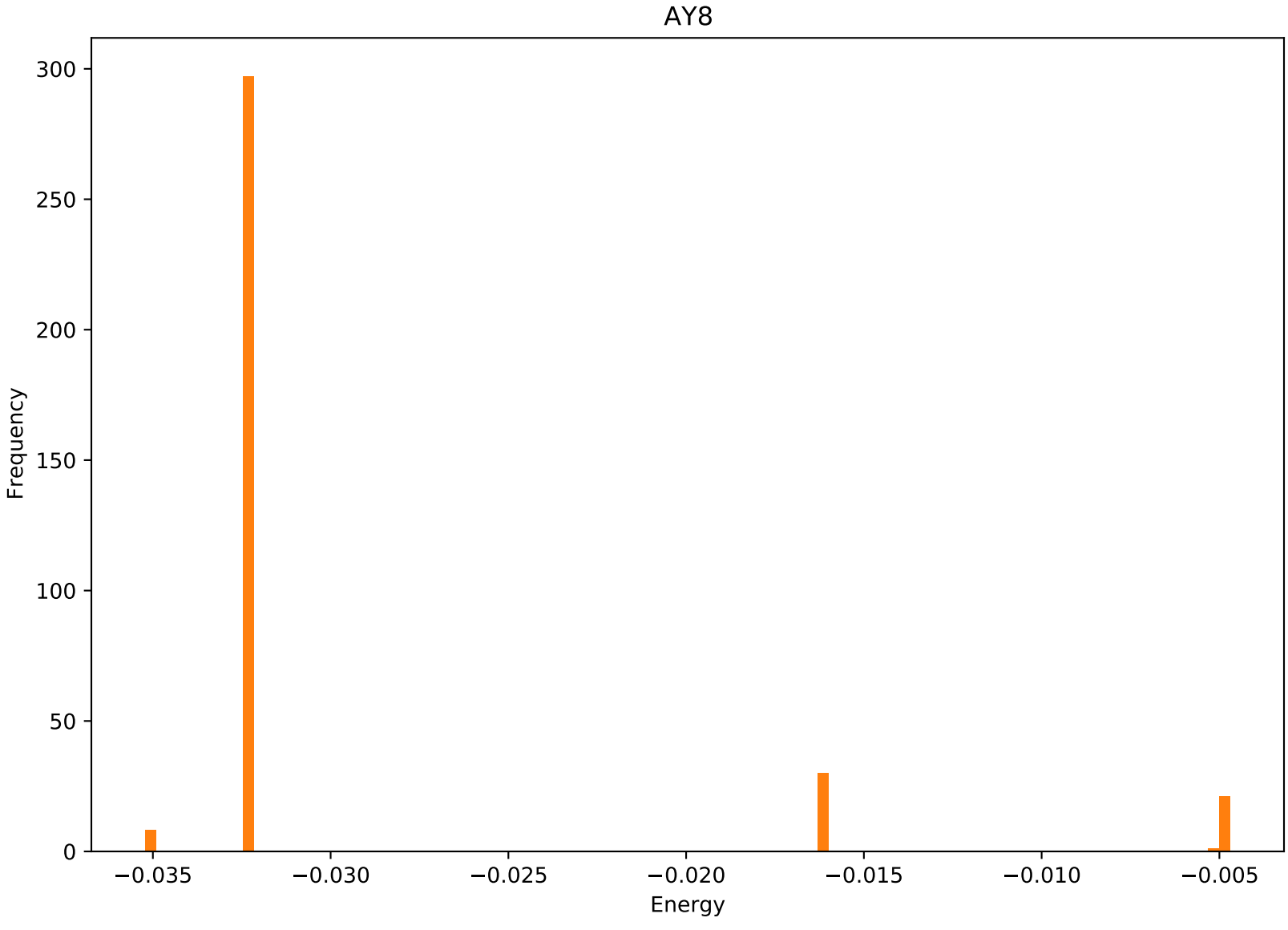

AY3
Frequency
Energy
Baseline: -1.92987
350
300
250
200
150
100
50
0
−2.6
−2.4
−2.2
−2.0
−1.8
−1.6

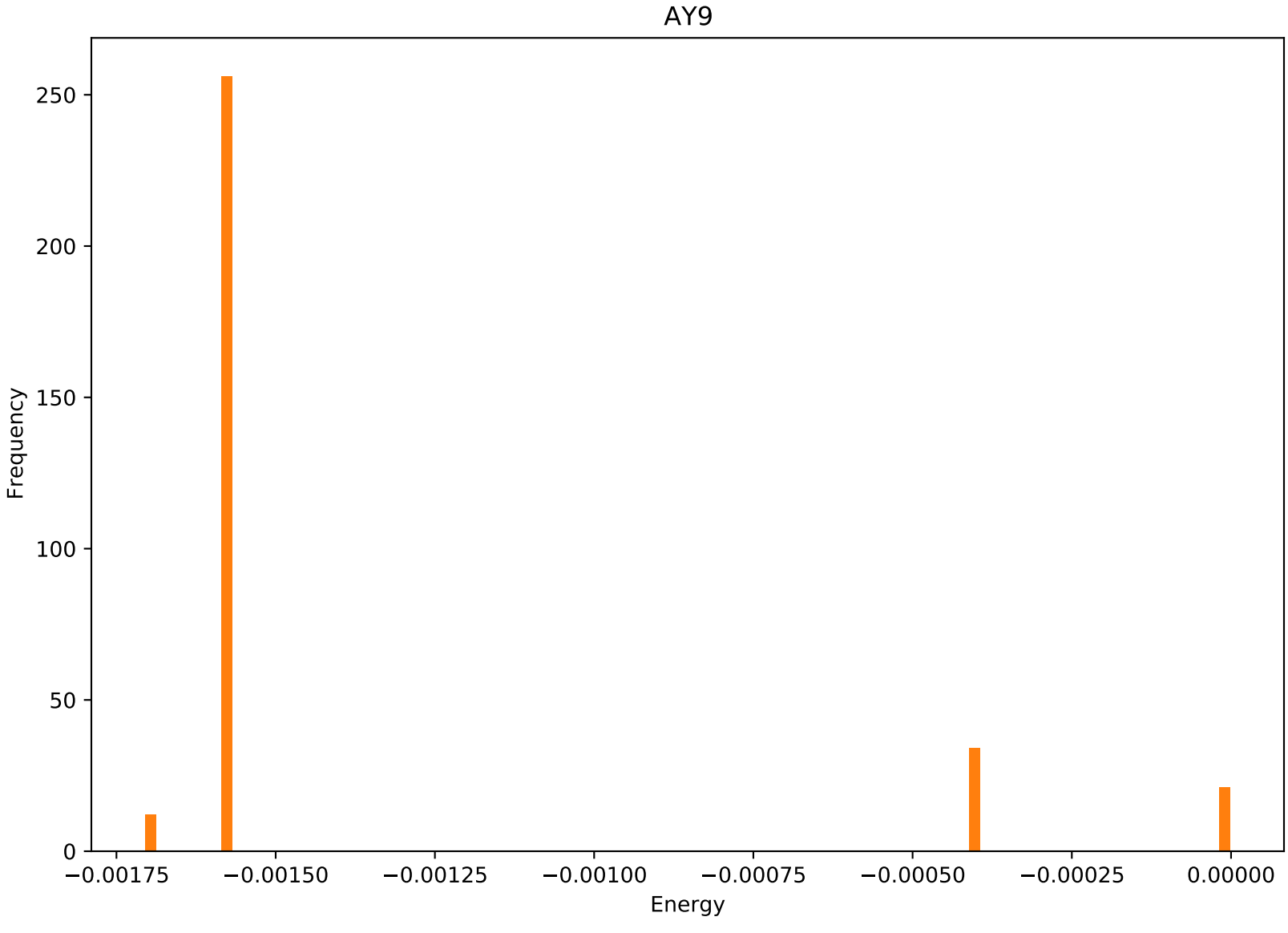

AY4
Frequency
Energy
Baseline: -32483
400
350
300
250
200
150
100
50
0
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50

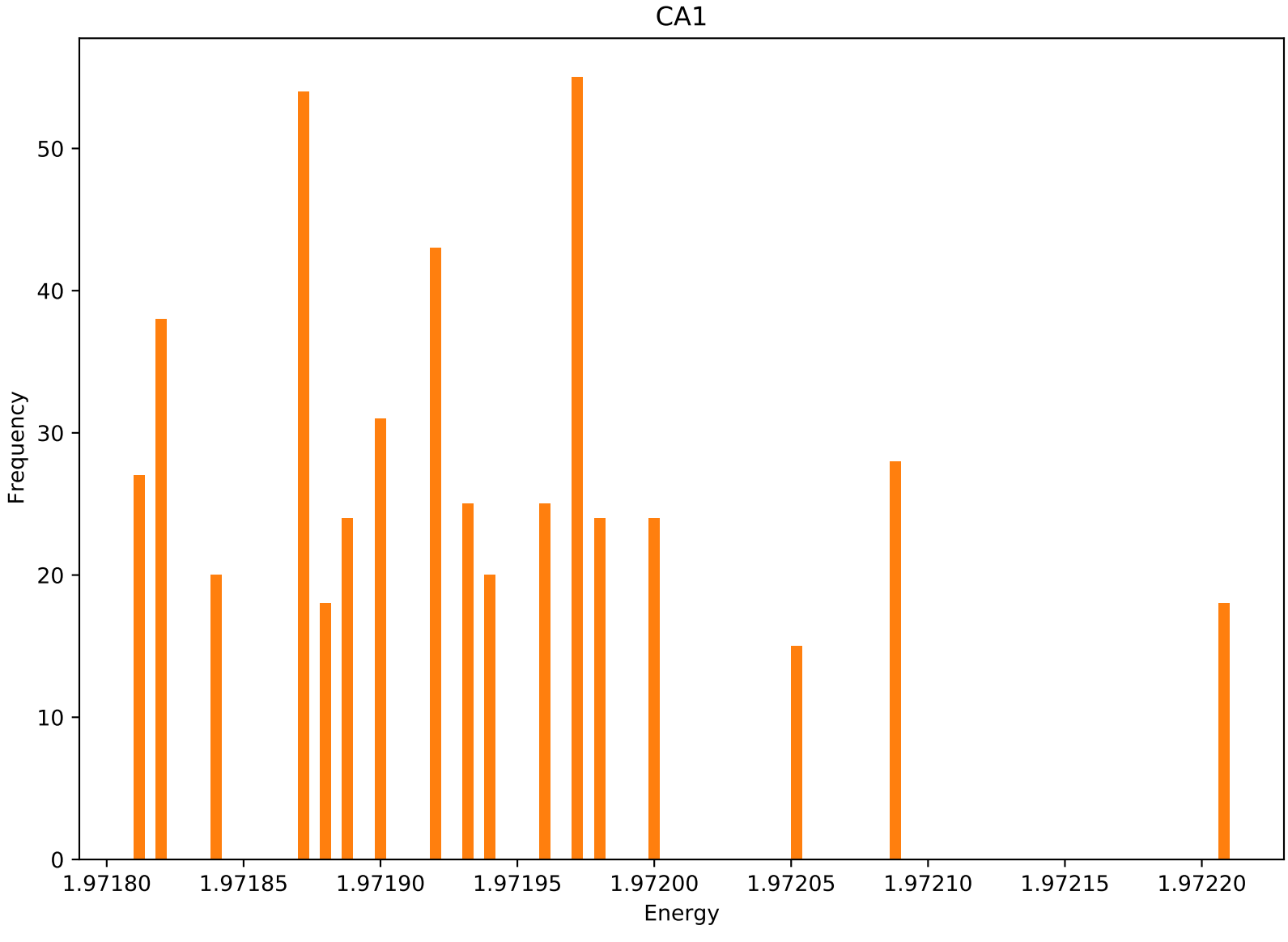

AY5
Frequency
300
250
200
150
100
50
0
−0.22
−0.20
−0.18
−0.16
−0.14
−0.12
Energy
Baseline:

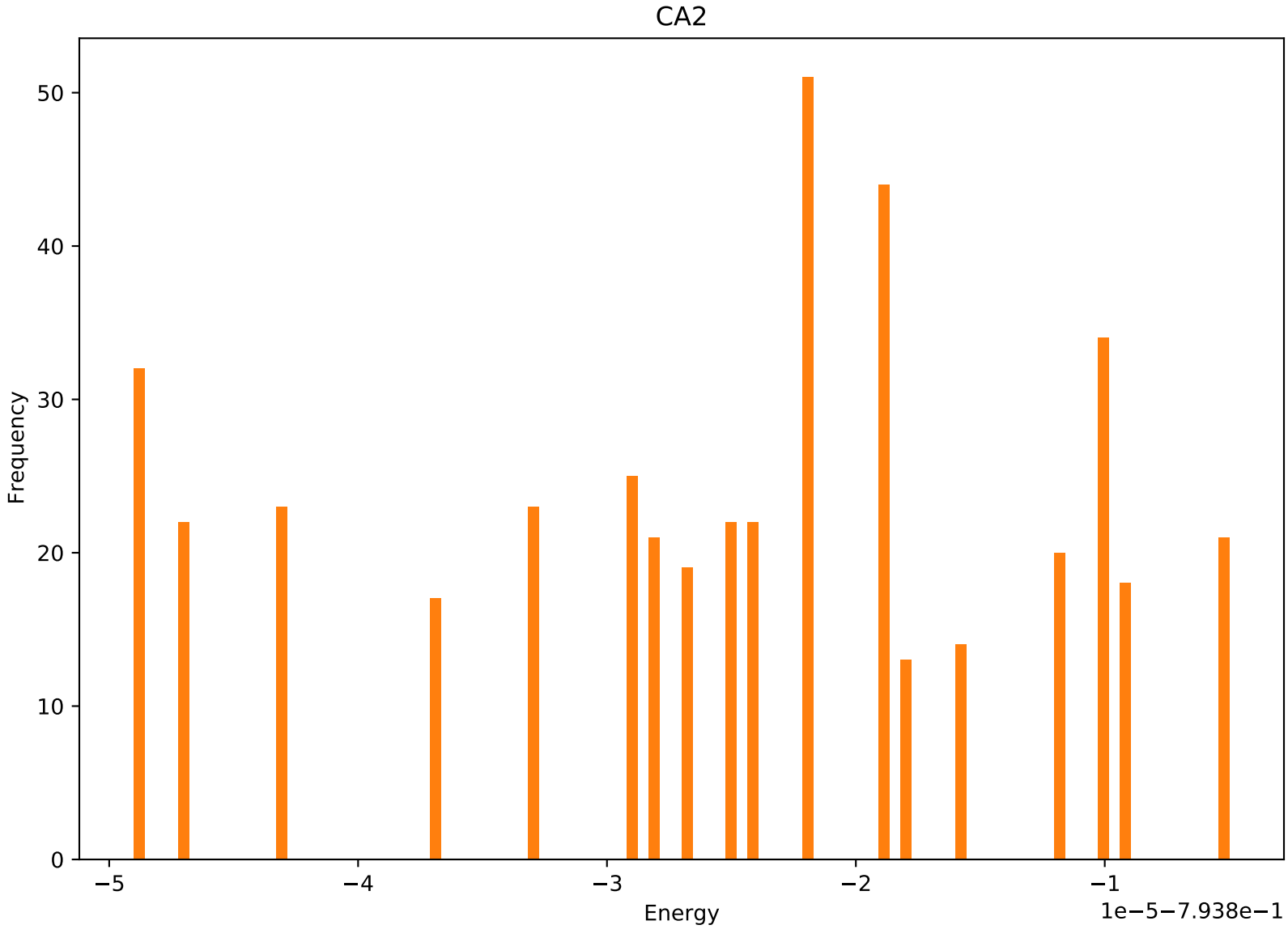

AY6
300
250
200
150
100
50
0
Frequency
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

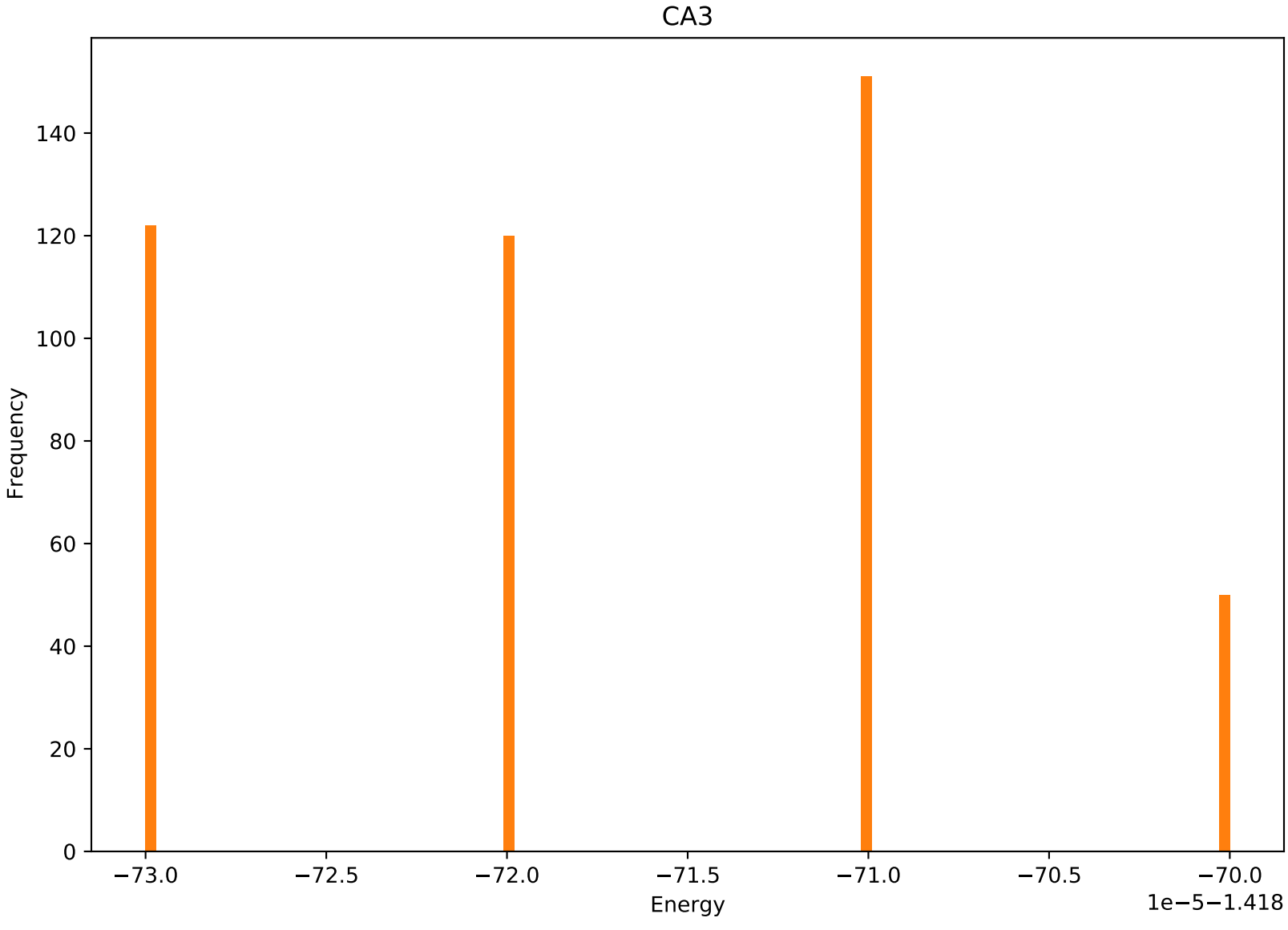

AY7
Frequency
250
200
150
100
50
0
−0.12
−0.10
−0.08
−0.06
−0.04
−0.02
Energy
Baseline:

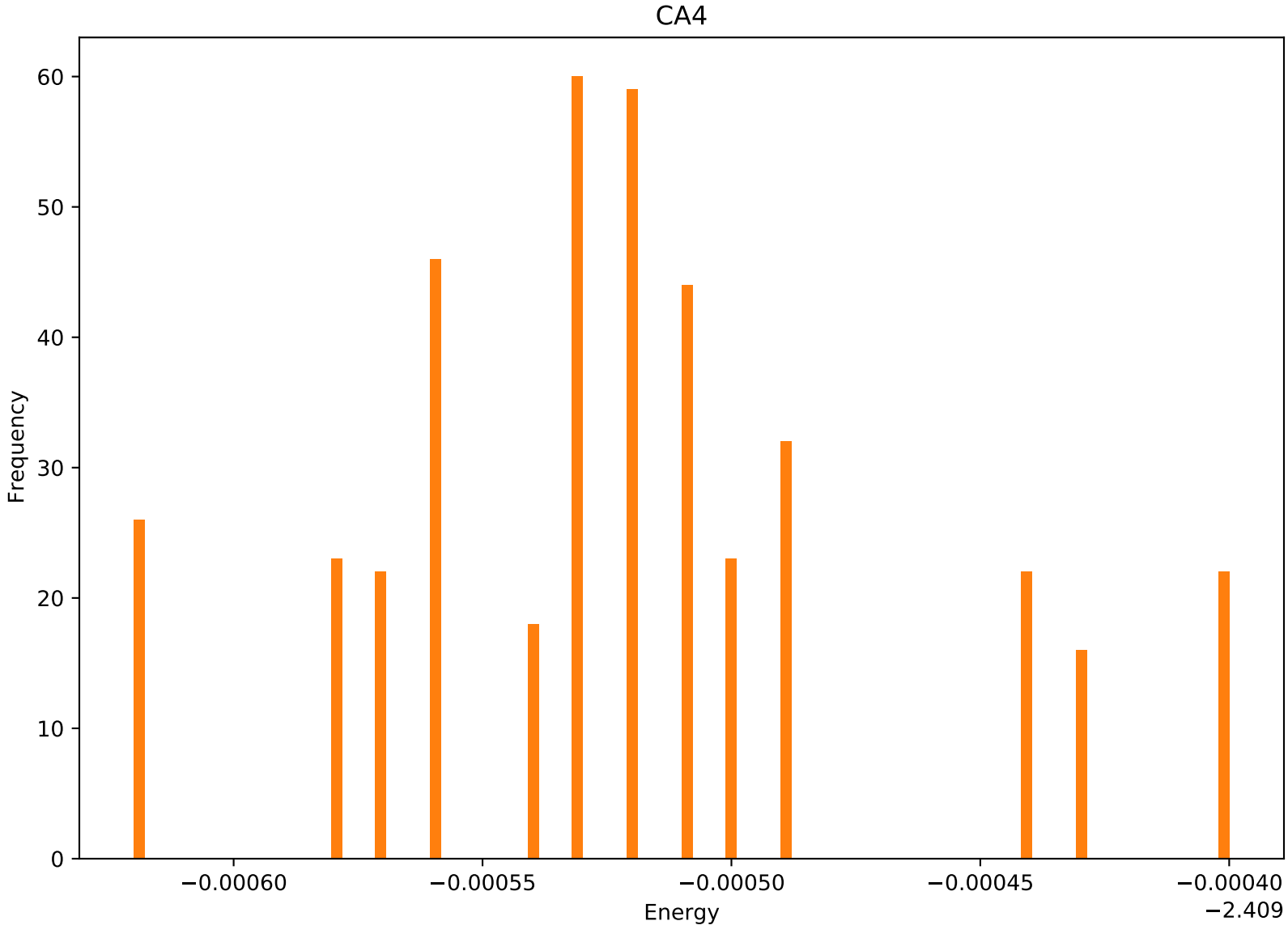

AY8
Frequency
300
250
200
150
100
50
0
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

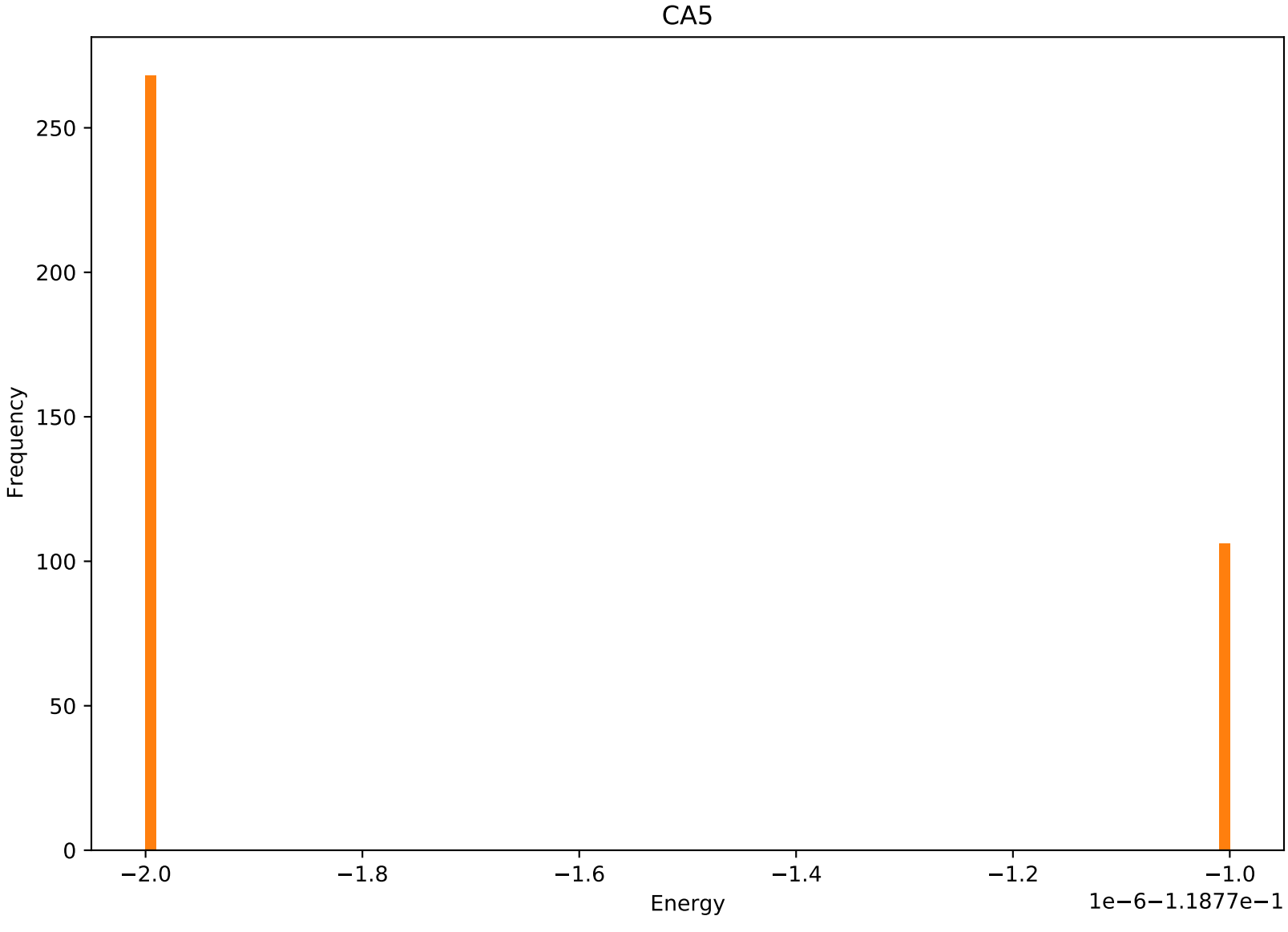

AY9
Frequency
250
200
150
100
50
0
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000
Energy

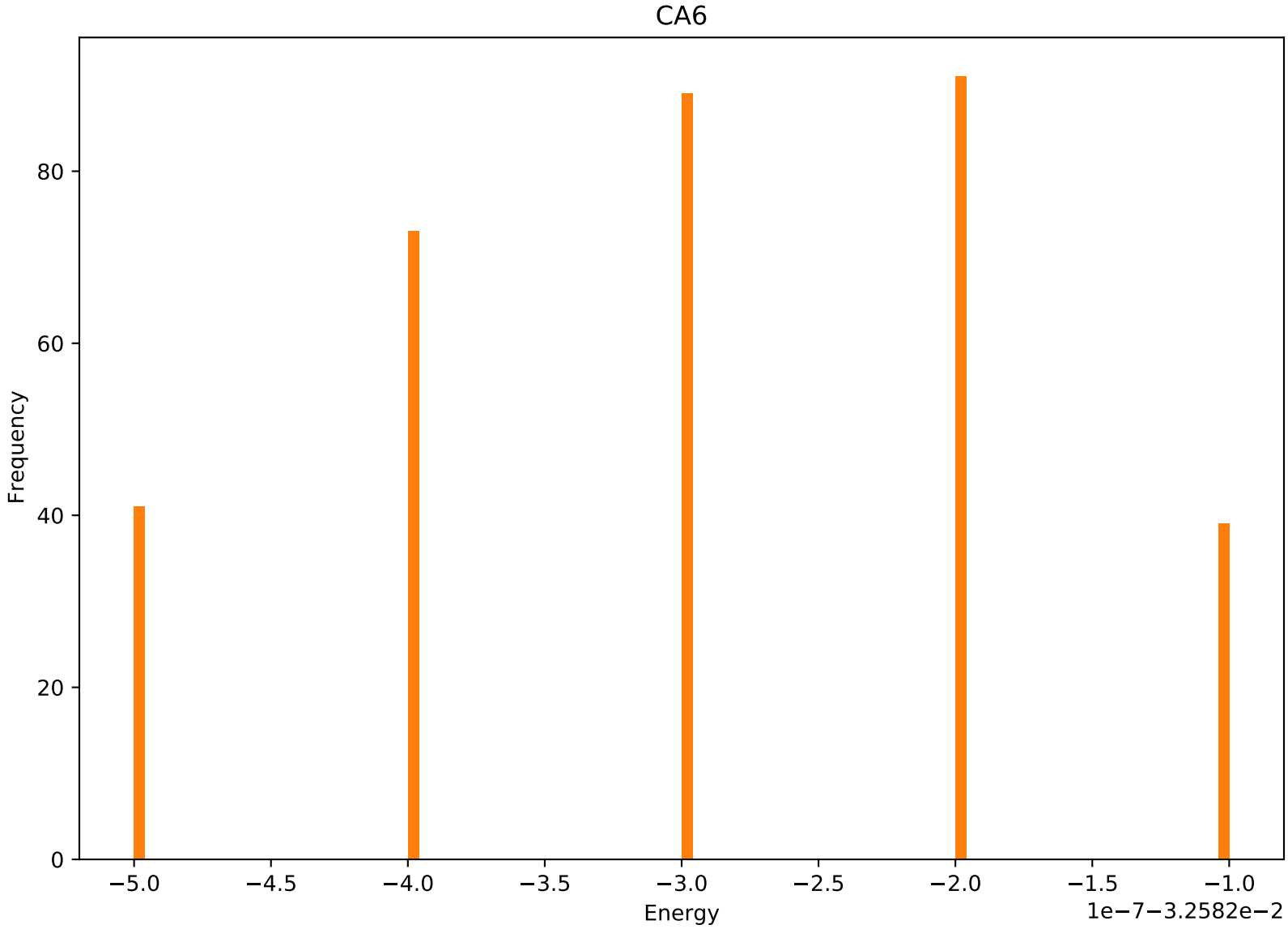

CA1
Frequency
0
10
20
30
40
50
1.97180
1.97185
1.97190
1.97195
1.97200
1.97205
1.97210
1.97215
1.97220
Energy

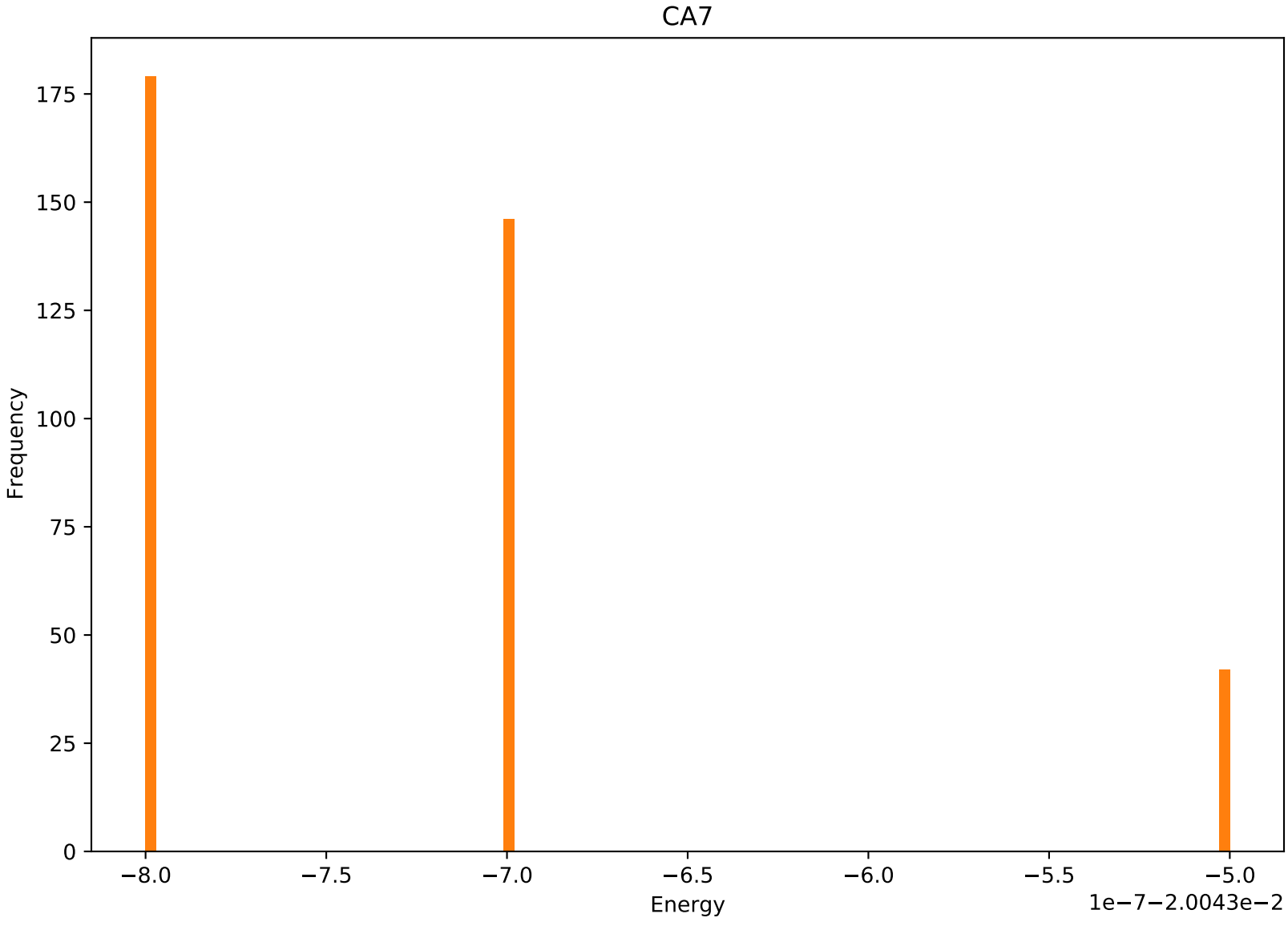

CA2
Frequency
0
10
20
30
40
50
−5
−4
−3
−2
−1
Energy
1e−5−7.938e−1

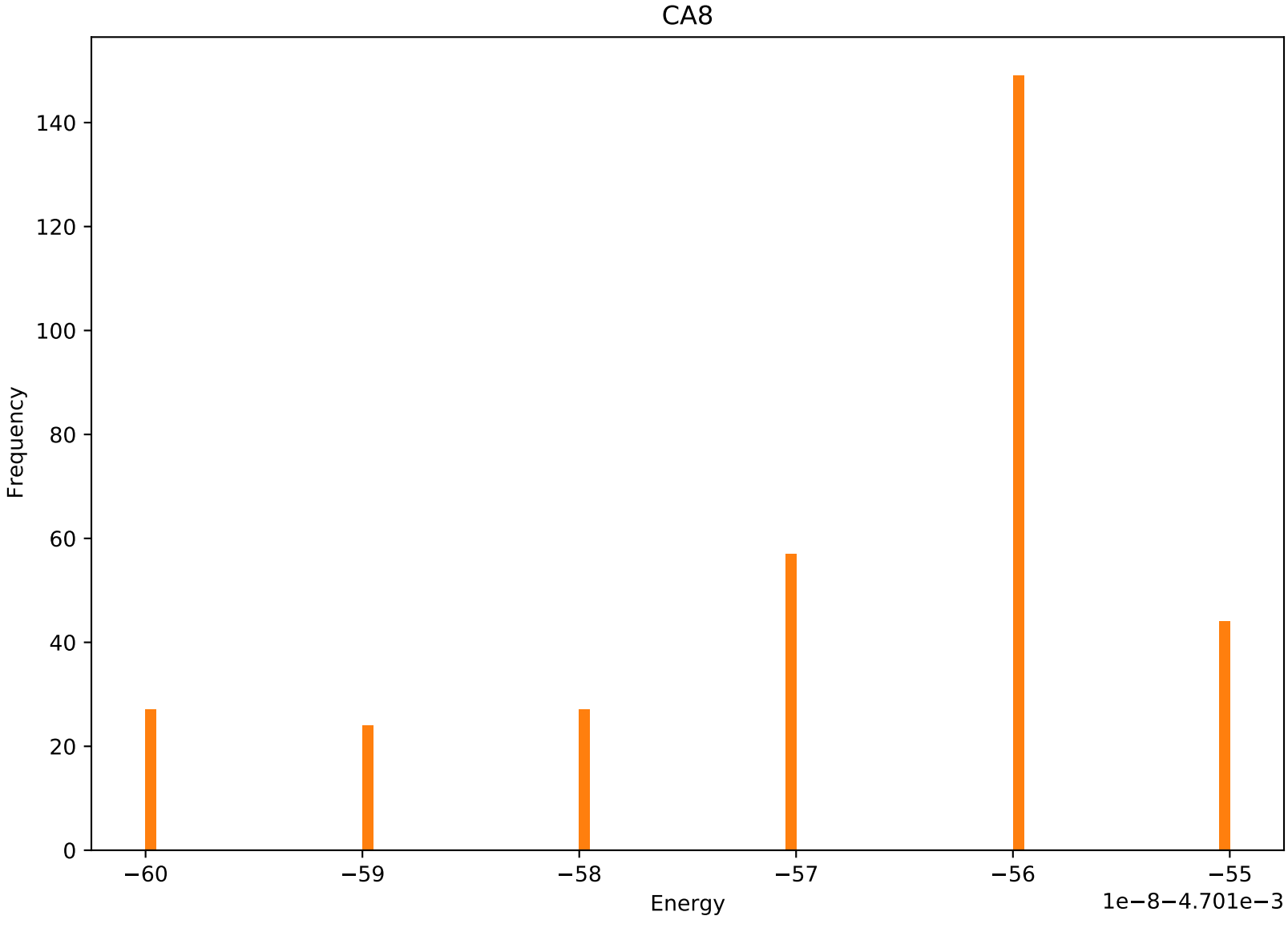

CA3
Frequency
0
20
40
60
80
100
120
140
−73.0
−72.5
−72.0
−71.5
−71.0
−70.5
−70.0
Energy
1e−5−1.418

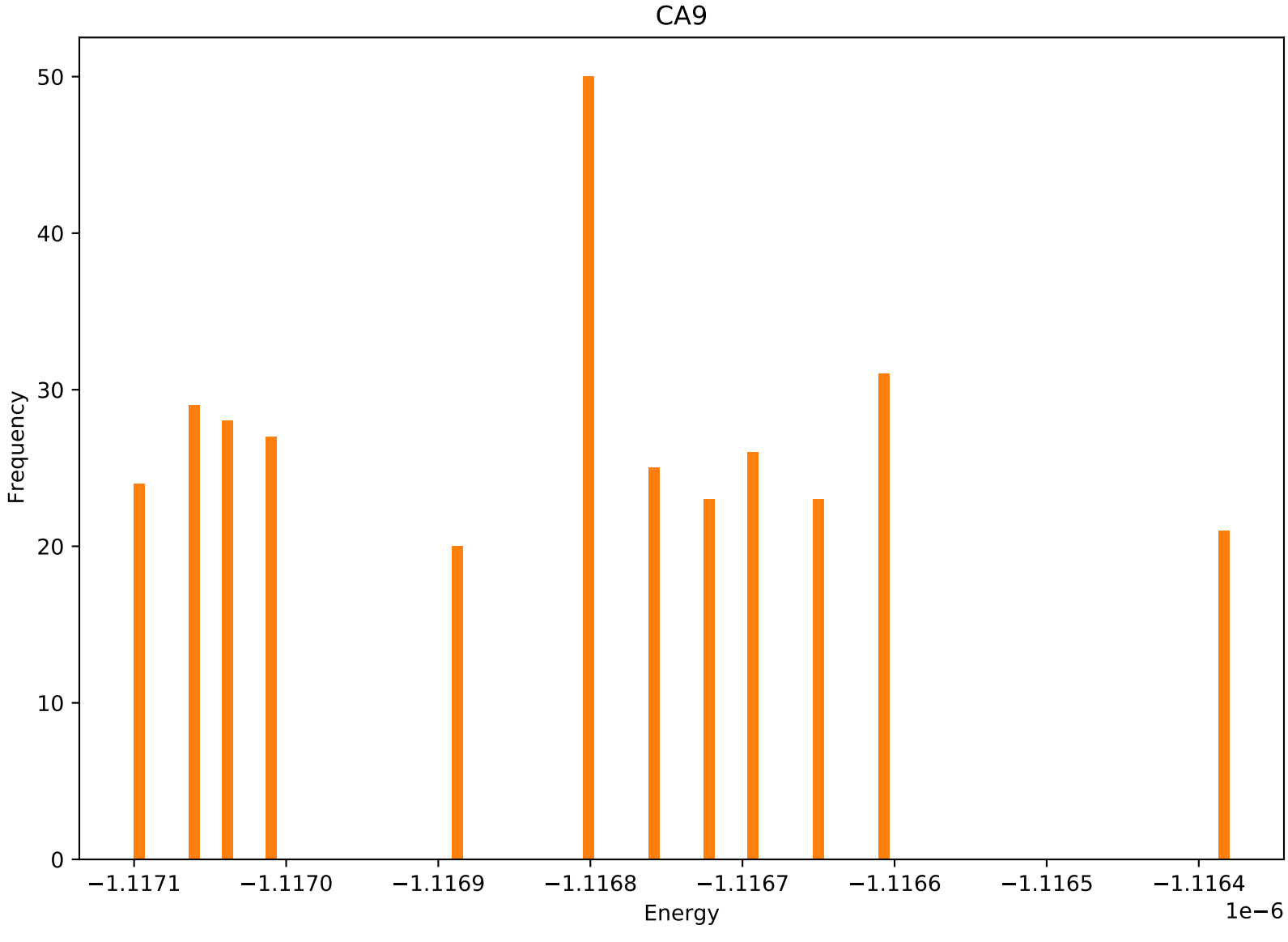

CA4
Frequency
0
10
20
30
40
50
60
−0.00060
−0.00055
−0.00050
−0.00045
−0.00040
Energy
−2.409

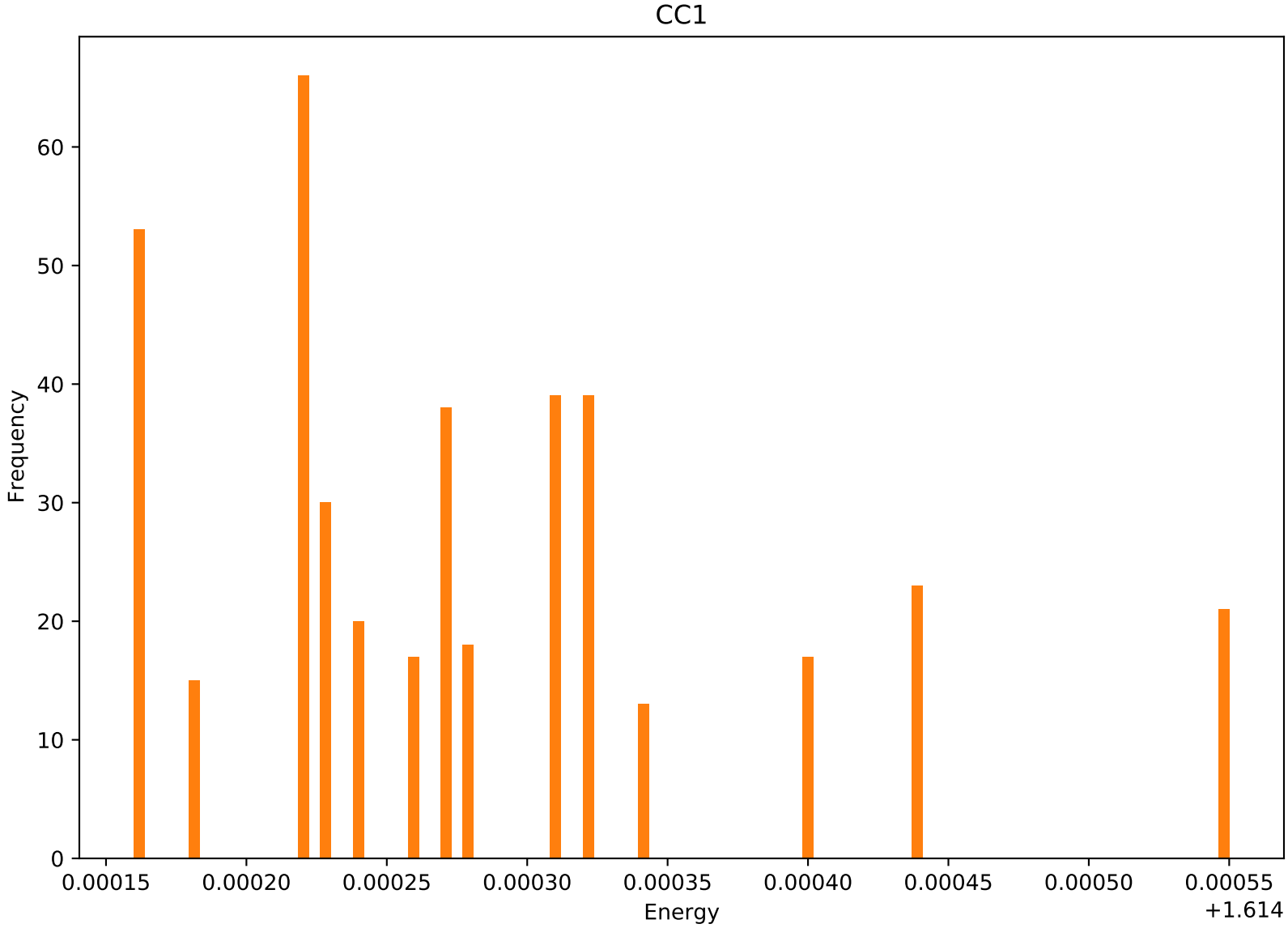

CA5
Frequency
250
200
150
100
50
0
−2.0
−1.8
−1.6
−1.4
−1.2
−1.0
Energy
1e−6−1.1877e−1

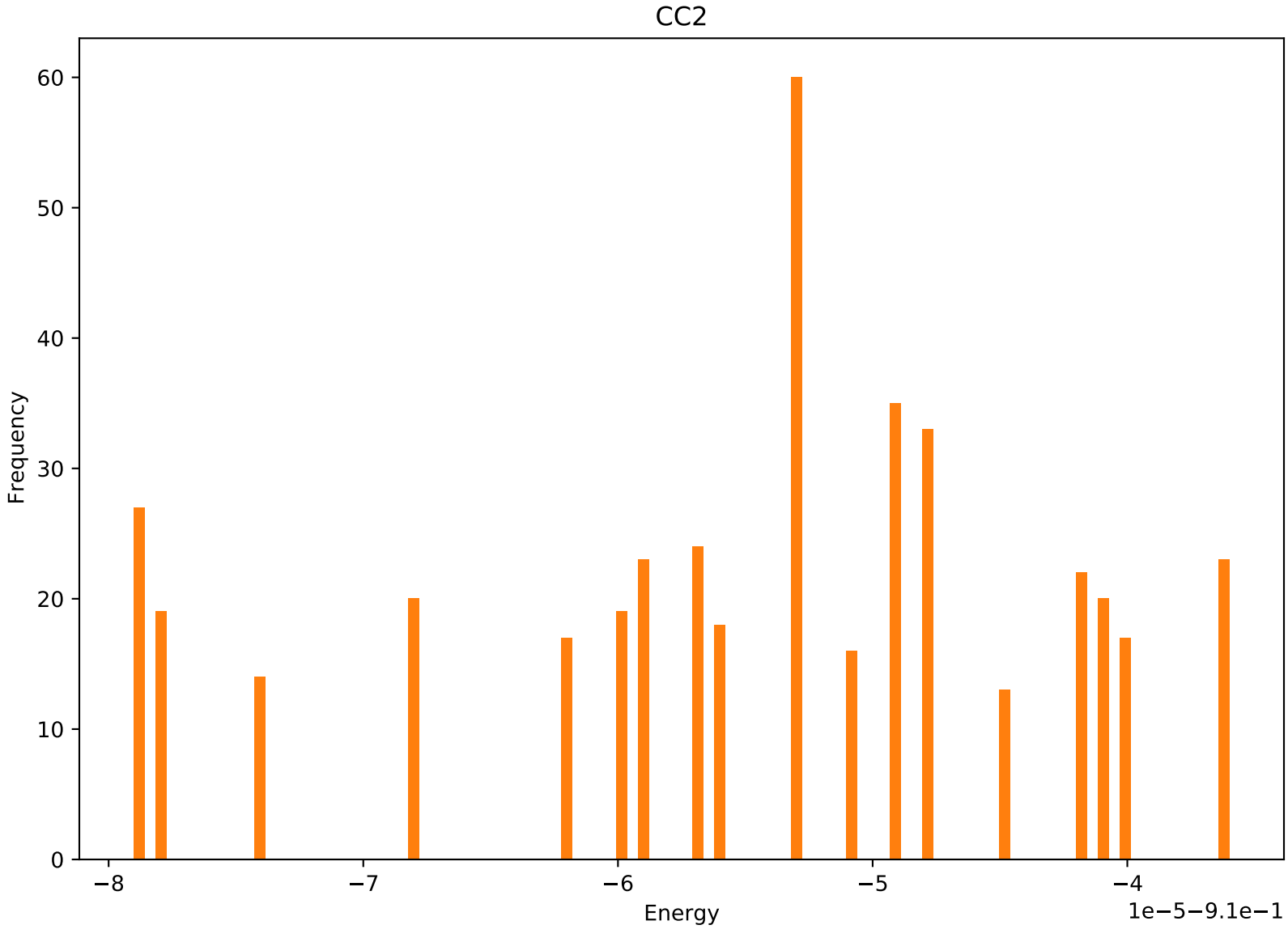

CA6
Frequency
0
20
40
60
80
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
−2.0
−1.5
−1.0
Energy
1e−7−3.2582e−2

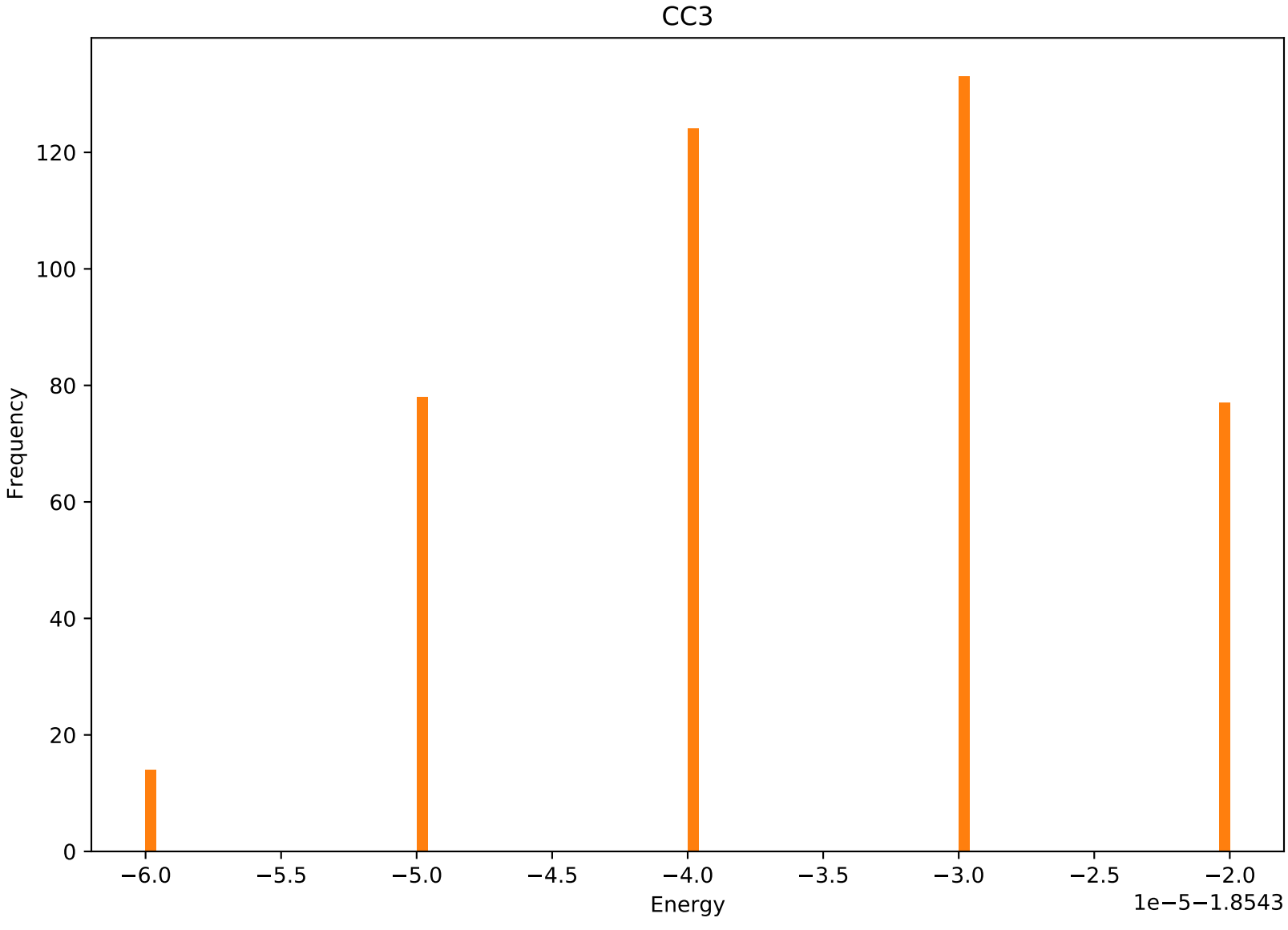

CA7
Frequency
175
150
125
100
75
50
25
0
−8.0
−7.5
−7.0
−6.5
−6.0
−5.5
−5.0
Energy
1e−7−2.0043e−2

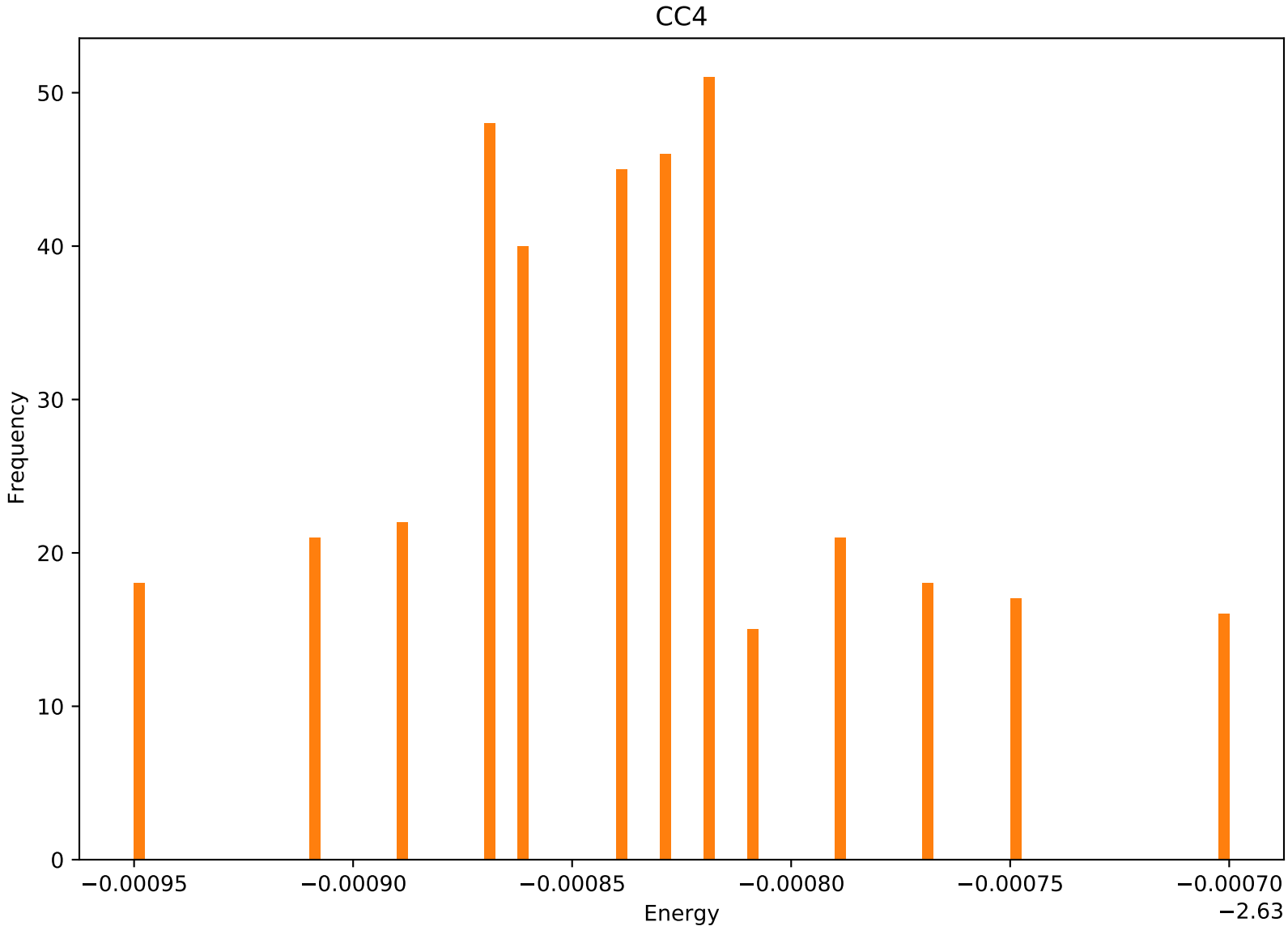

CA8
Frequency
0
20
40
60
80
100
120
140
−60
−59
−58
−57
−56
−55
Energy
1e−8−4.701e−3

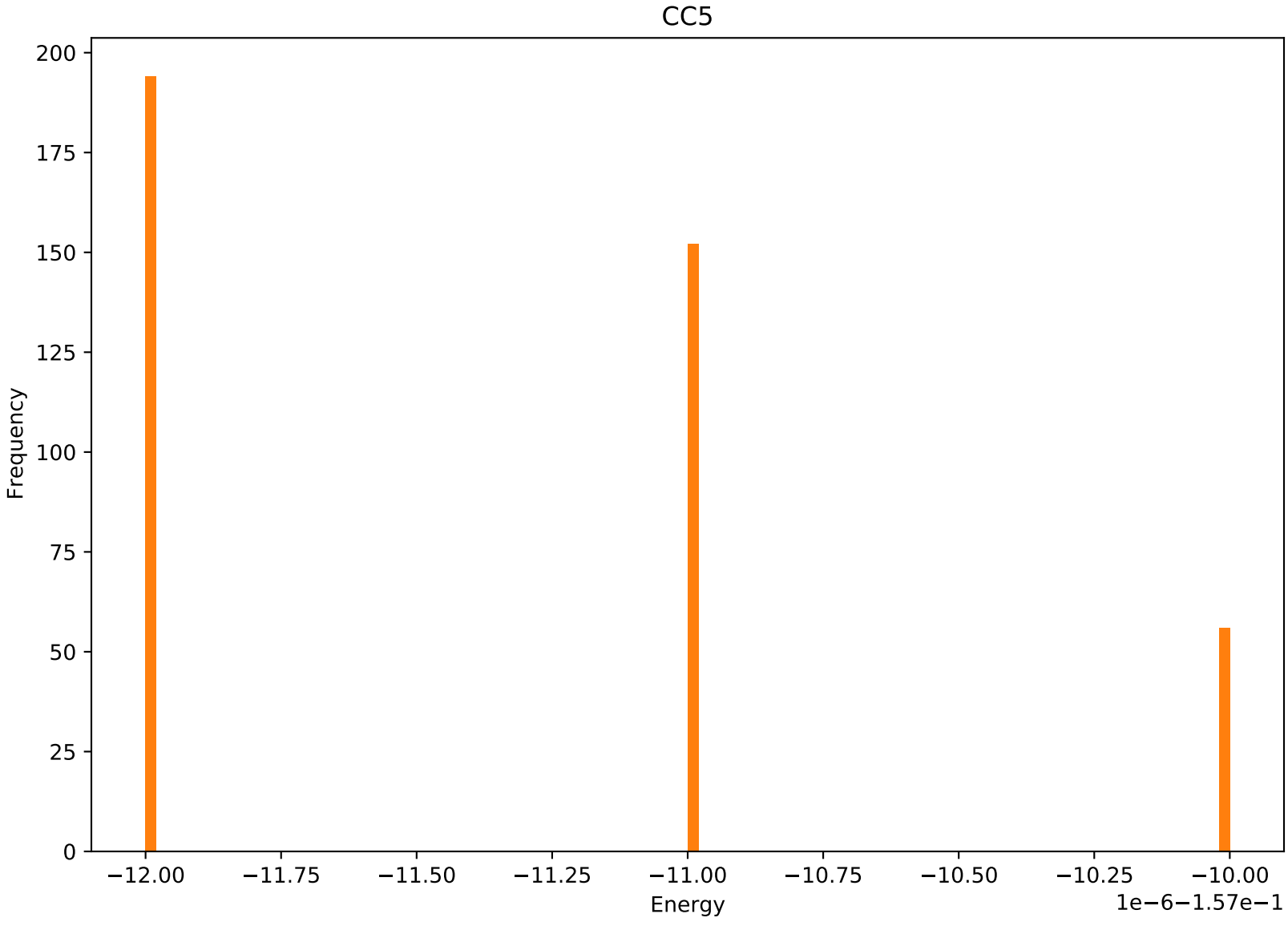

CA9
Frequency
0
10
20
30
40
50
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

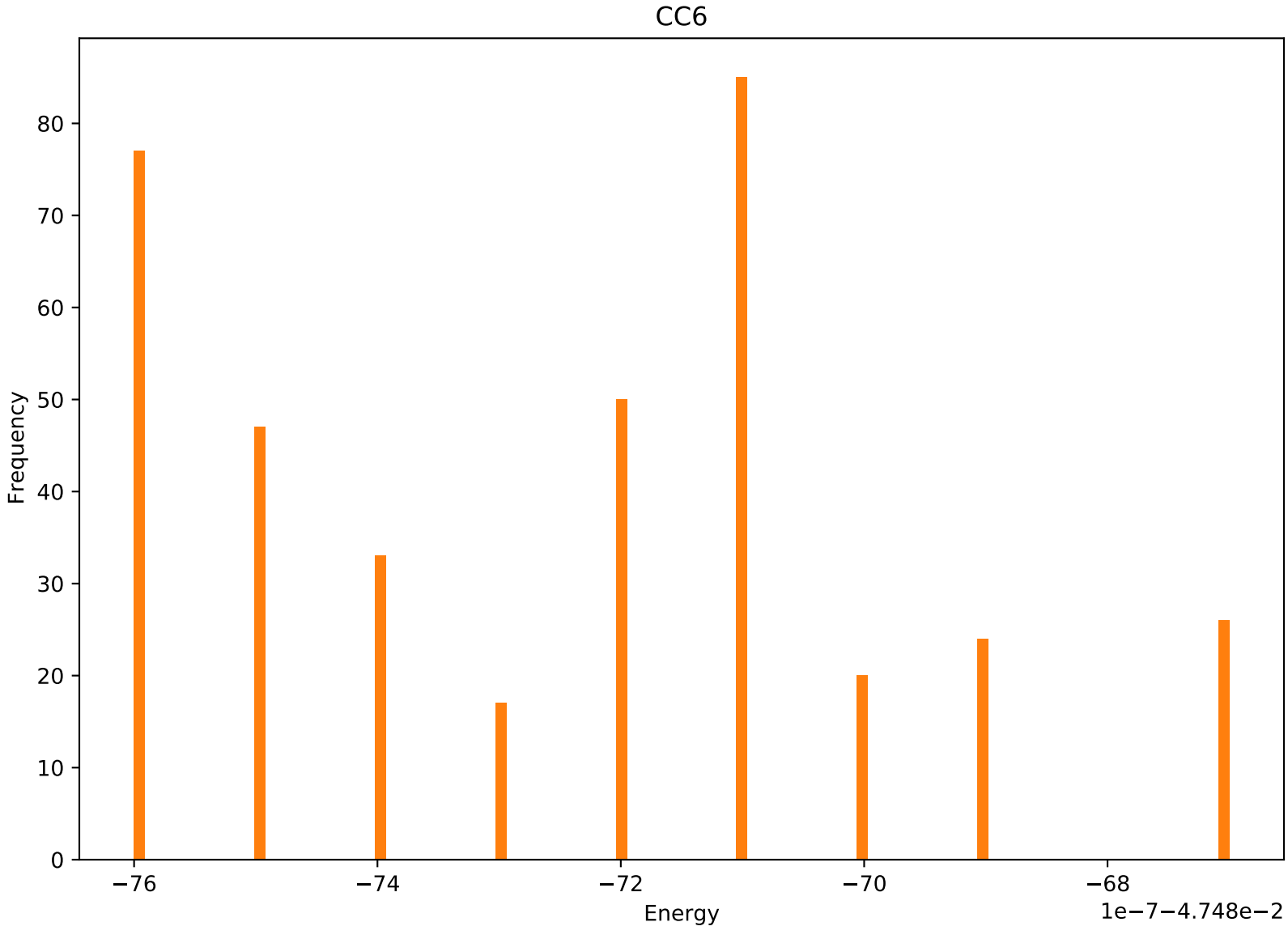

CC1
Frequency
0
10
20
30
40
50
60
0.00015
0.00020
0.00025
0.00030
0.00035
0.00040
0.00045
0.00050
0.00055
Energy
+1.614

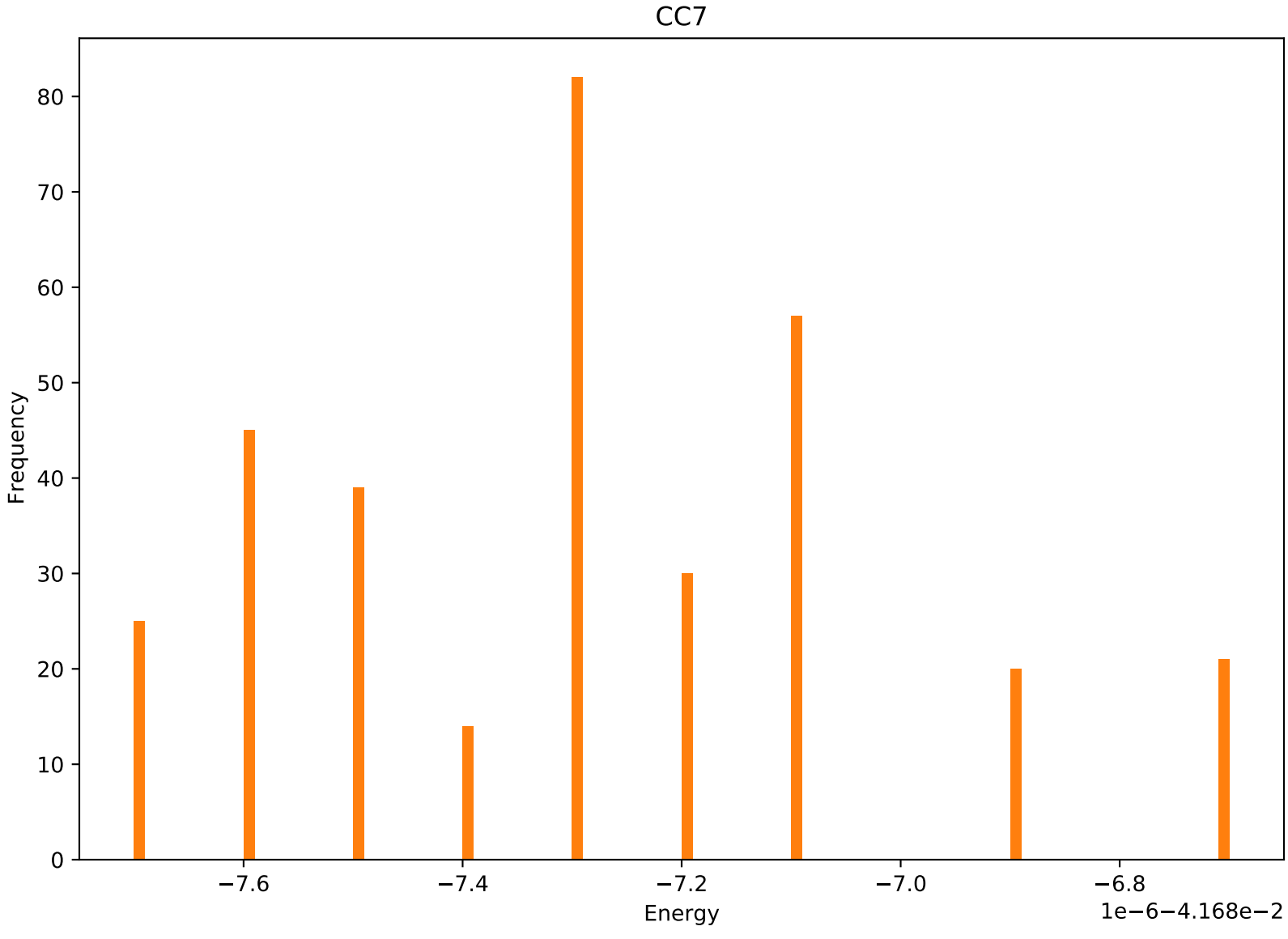

CC2
Frequency
0
10
20
30
40
50
60
−8
−7
−6
−5
−4
Energy
1e−5−9.1e−1

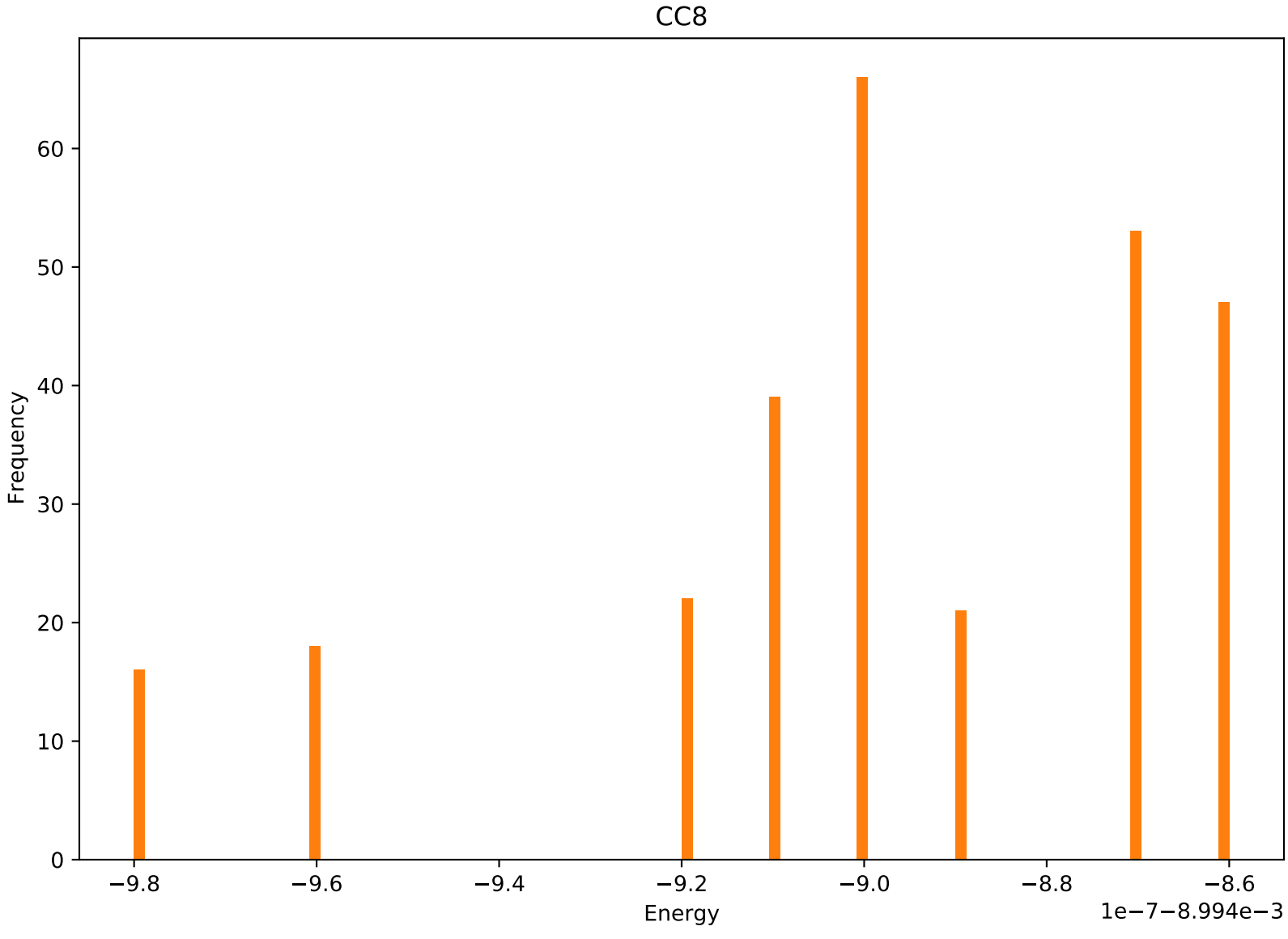

CC3
Frequency
0
20
40
60
80
100
120
−6.0
−5.5
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
−2.0
Energy
1e−5−1.8543

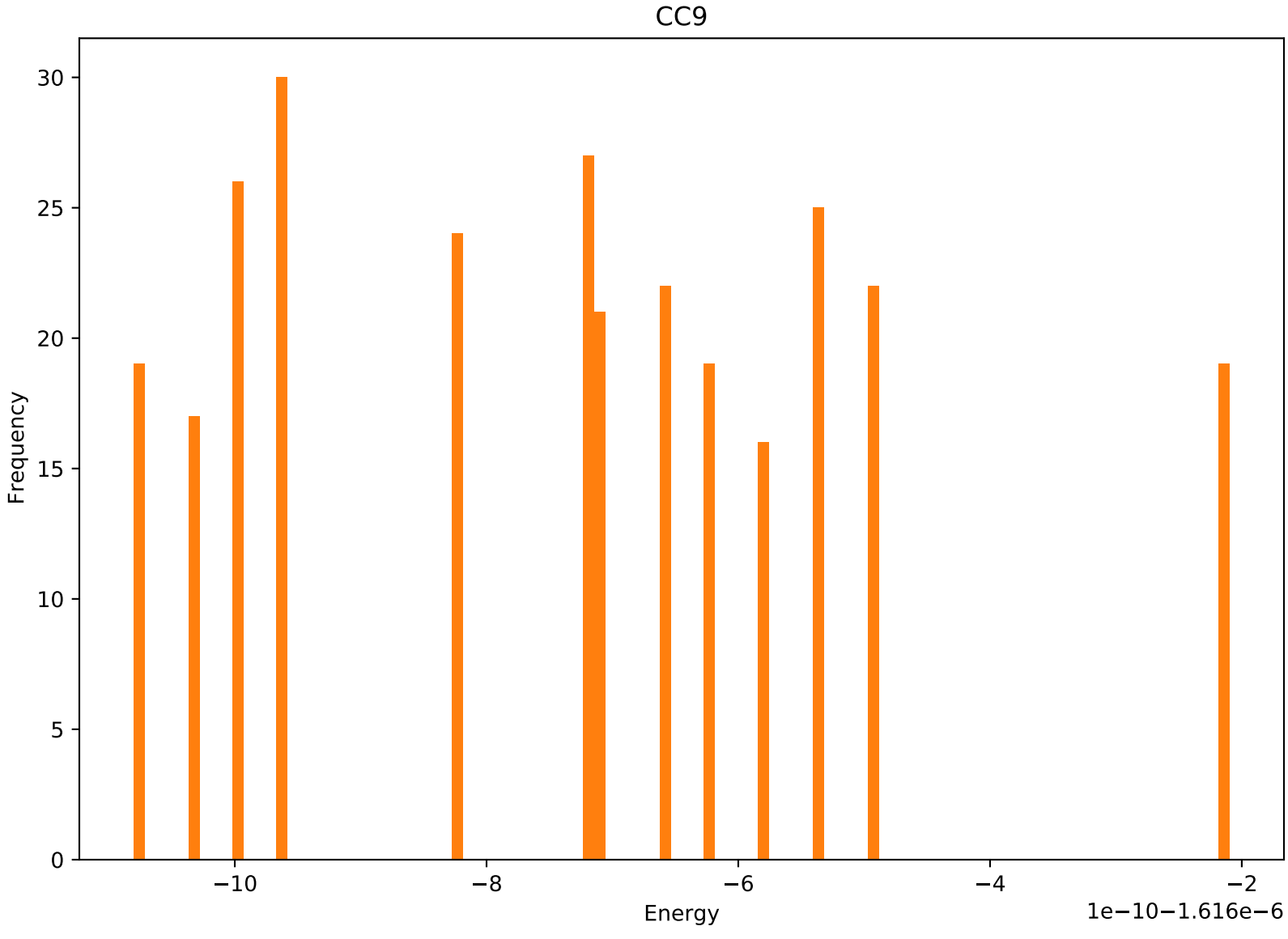

CC4
Frequency
0
10
20
30
40
50
−0.00095
−0.00090
−0.00085
−0.00080
−0.00075
−0.00070
Energy
−2.63

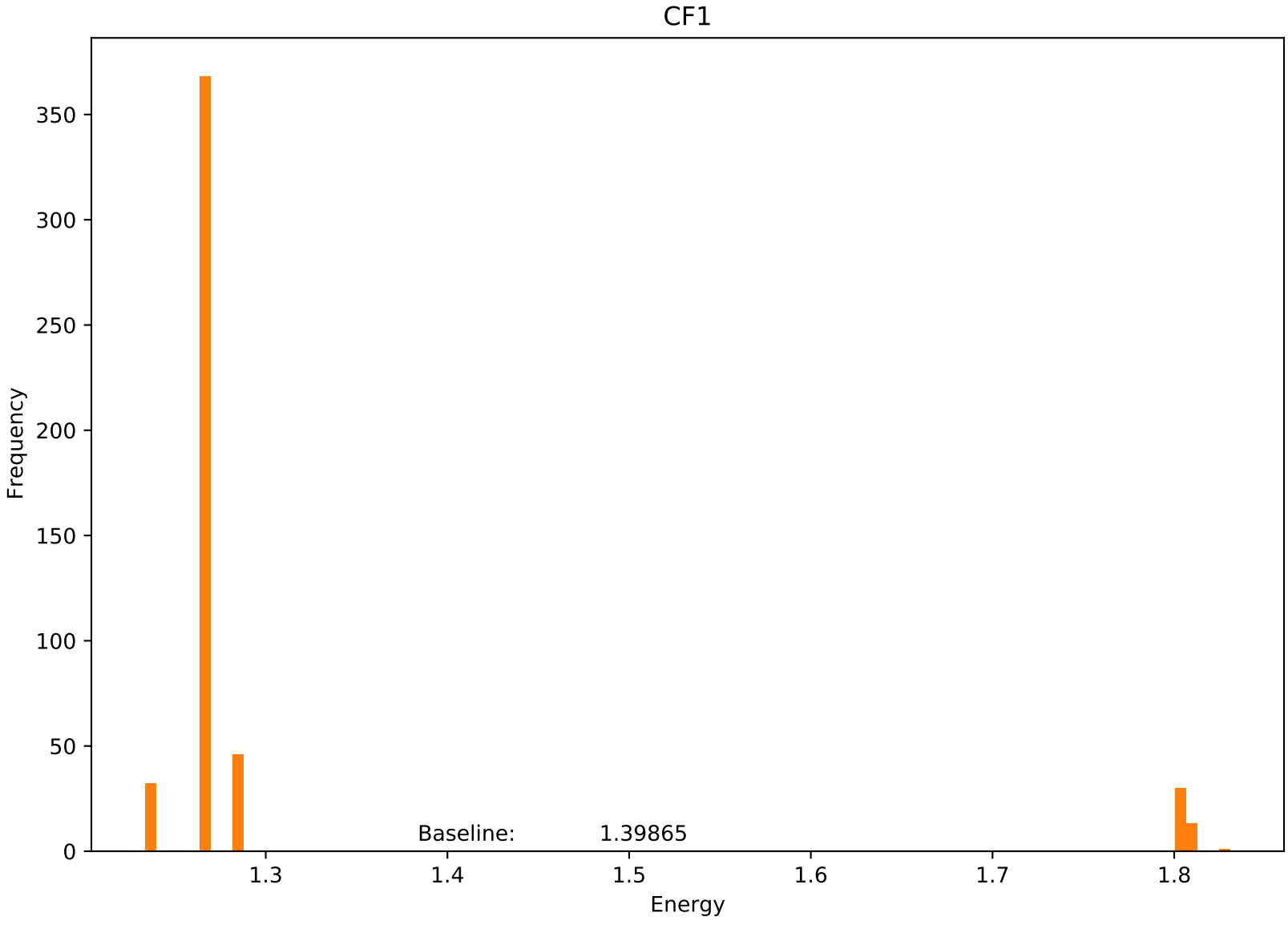

CC5
Frequency
200
175
150
125
100
75
50
25
0
−12.00
−11.75
−11.50
−11.25
−11.00
−10.75
−10.50
−10.25
−10.00
Energy
1e−6−1.57e−1

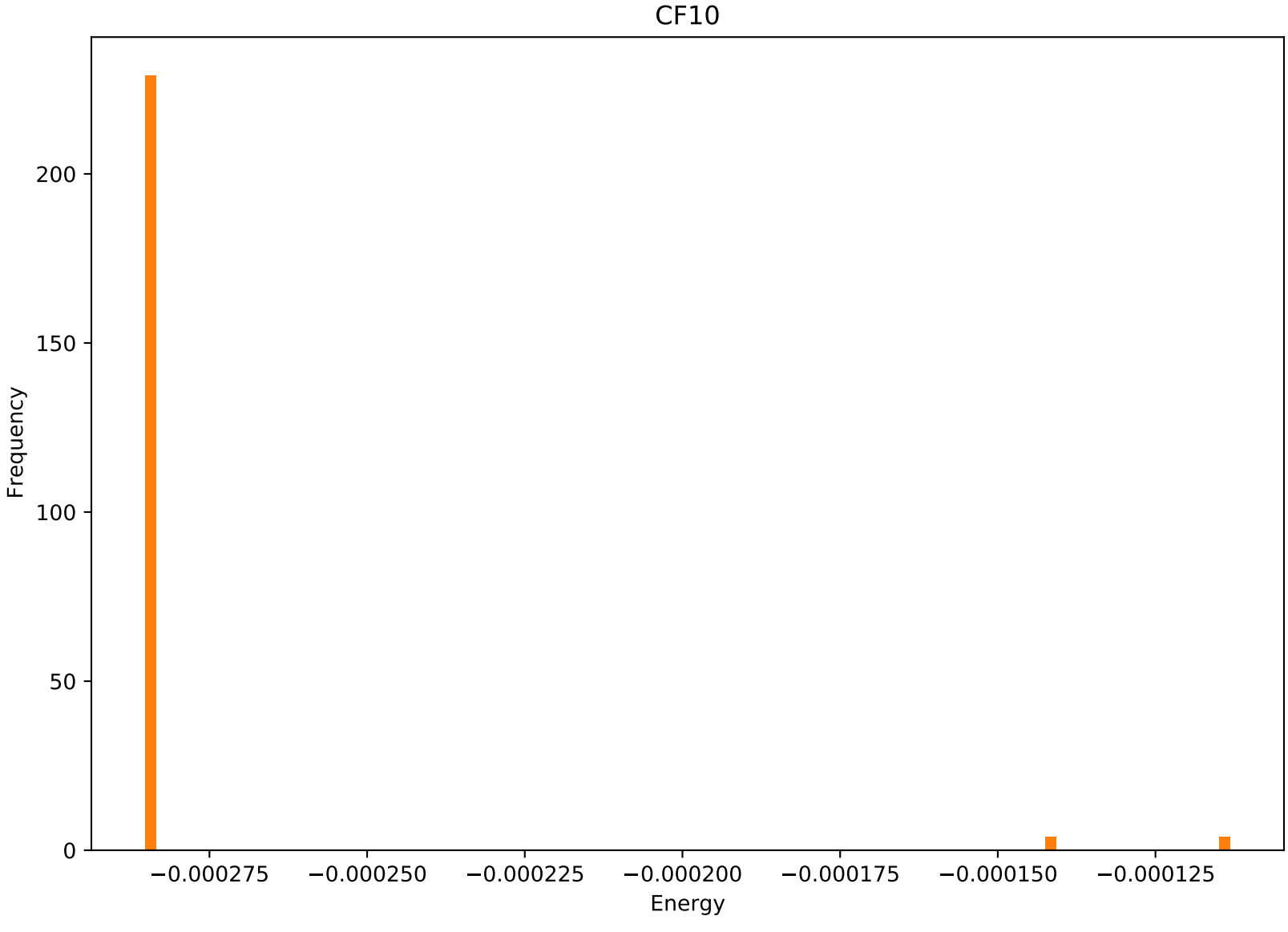

CC6
Frequency
0
10
20
30
40
50
60
70
80
−76
−74
−72
−70
−68
Energy
1e−7−4.748e−2

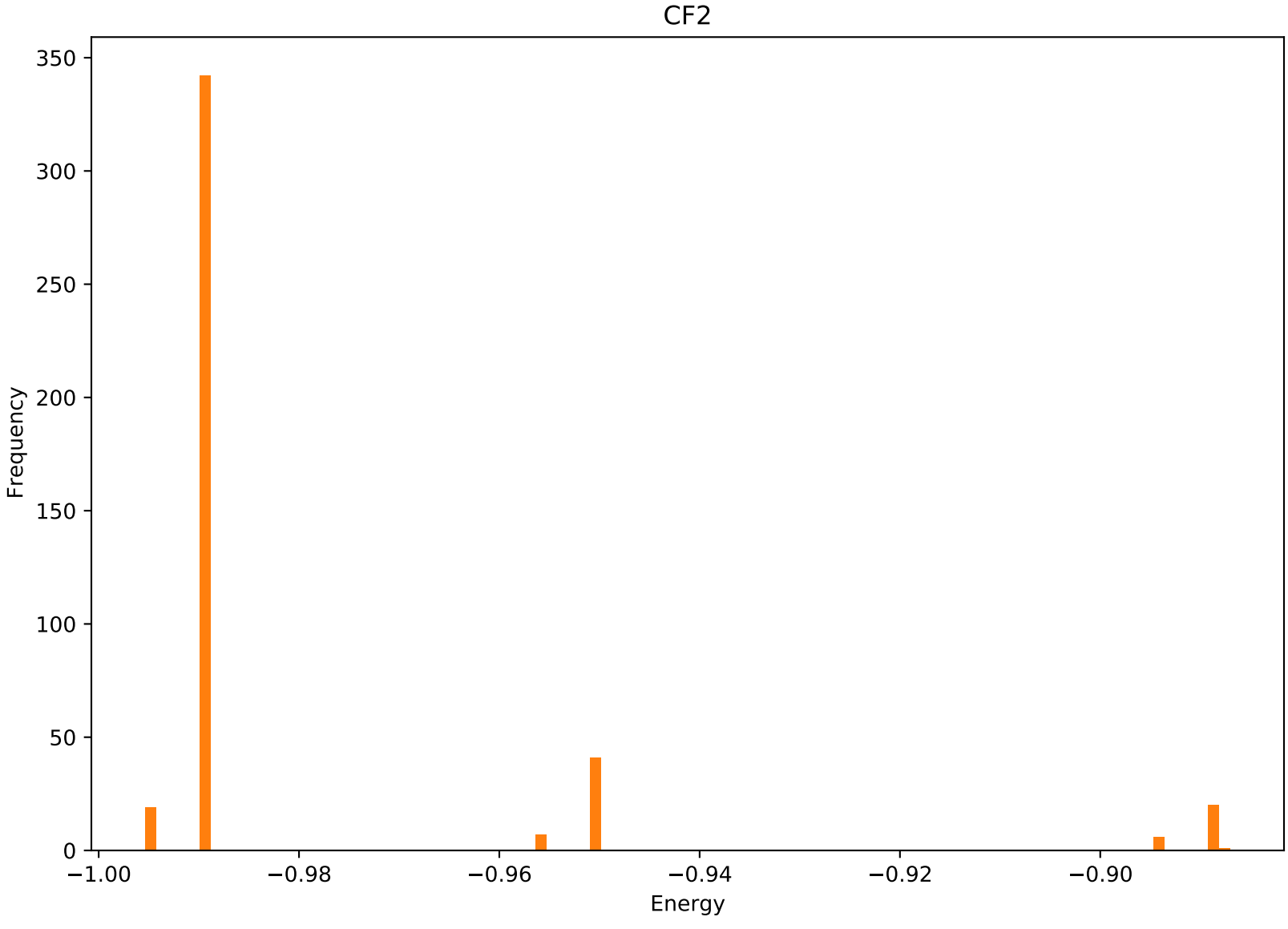

CC7
Frequency
0
10
20
30
40
50
60
70
80
−7.6
−7.4
−7.2
−7.0
−6.8
Energy
1e−6−4.168e−2

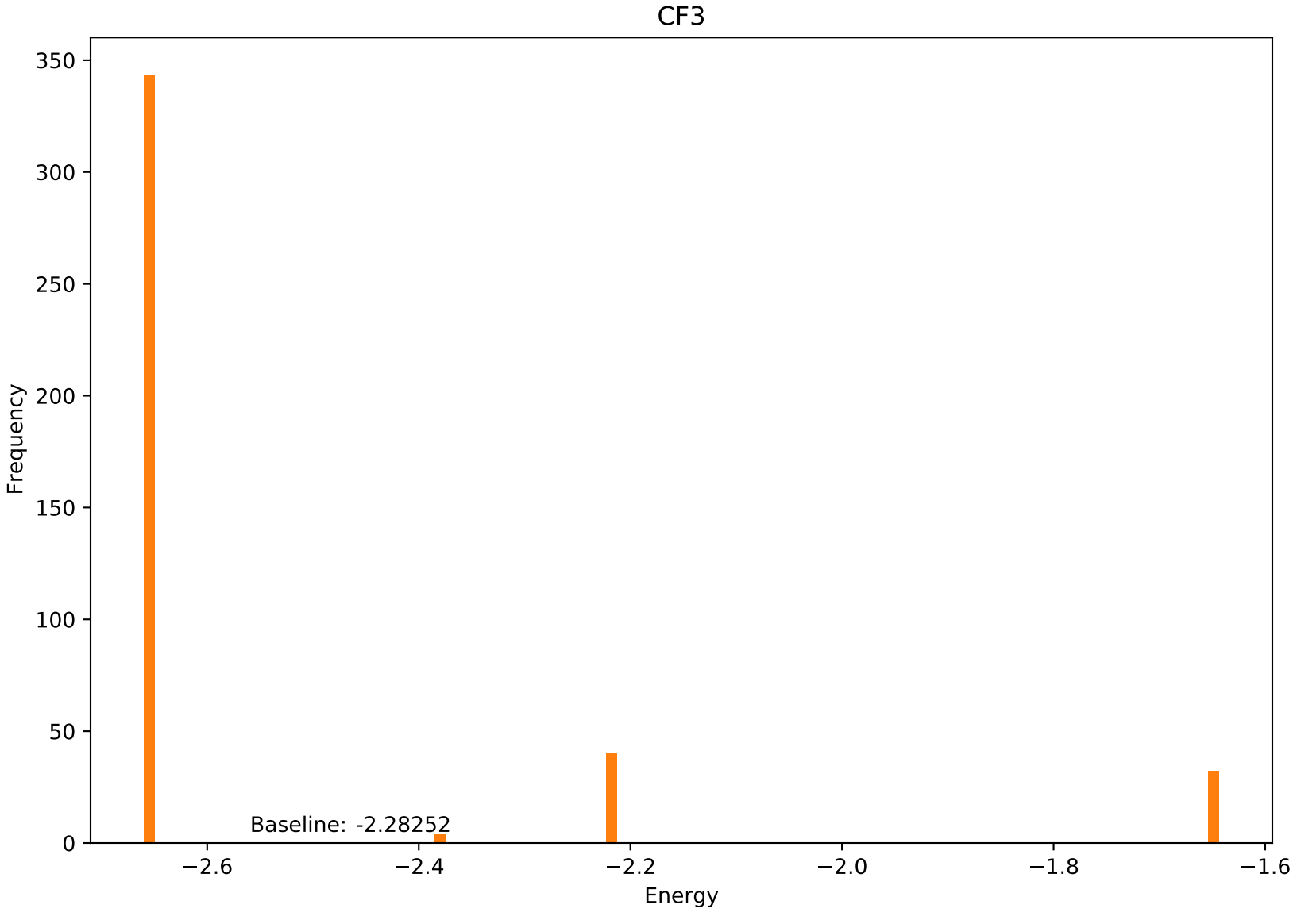

CC8
Frequency
0
10
20
30
40
50
60
−9.8
−9.6
−9.4
−9.2
−9.0
−8.8
−8.6
Energy
1e−7−8.994e−3

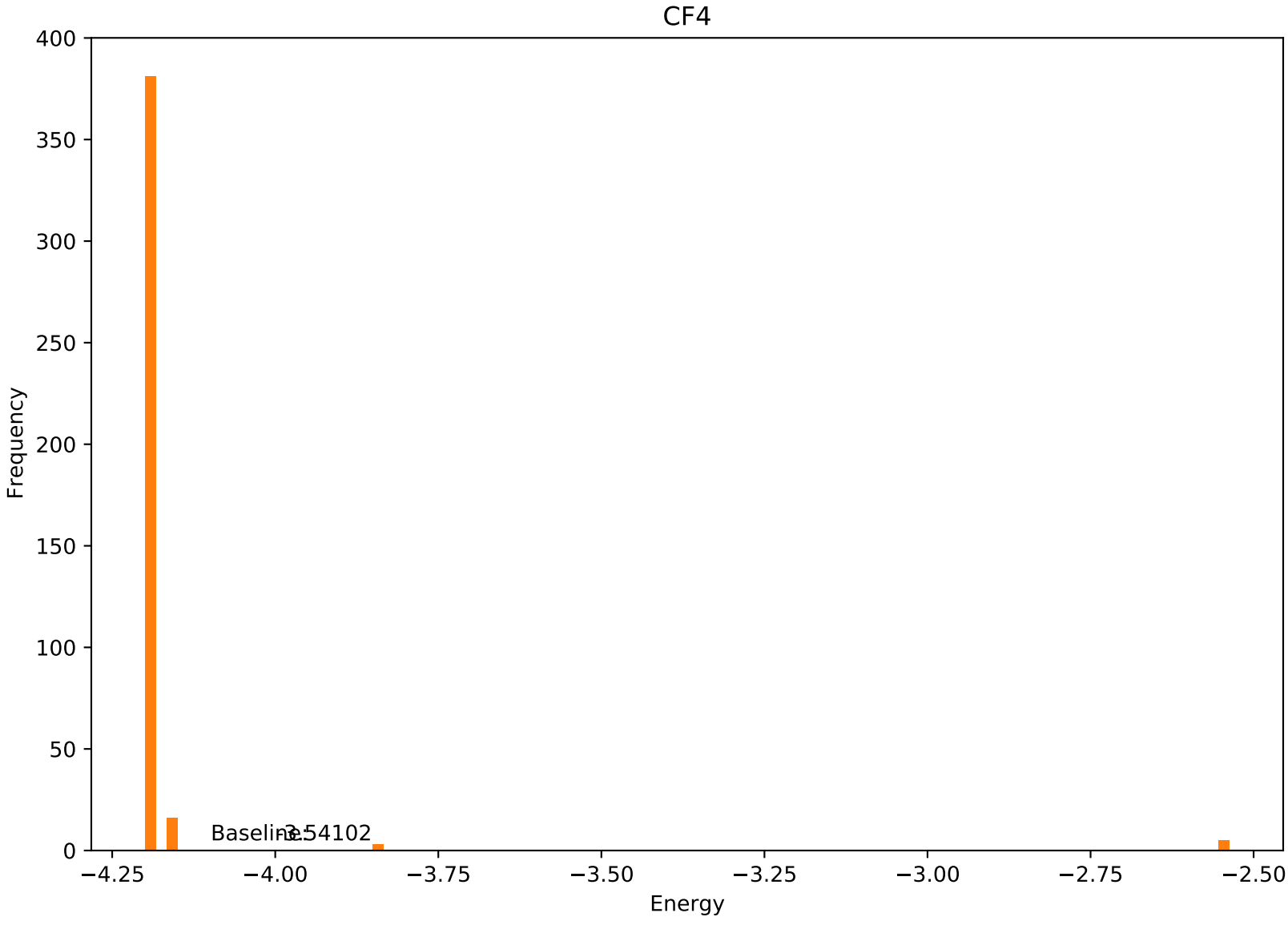

CC9
Frequency
0
5
10
15
20
25
30
−10
−8
−6
−4
−2
Energy
1e−10−1.616e−6

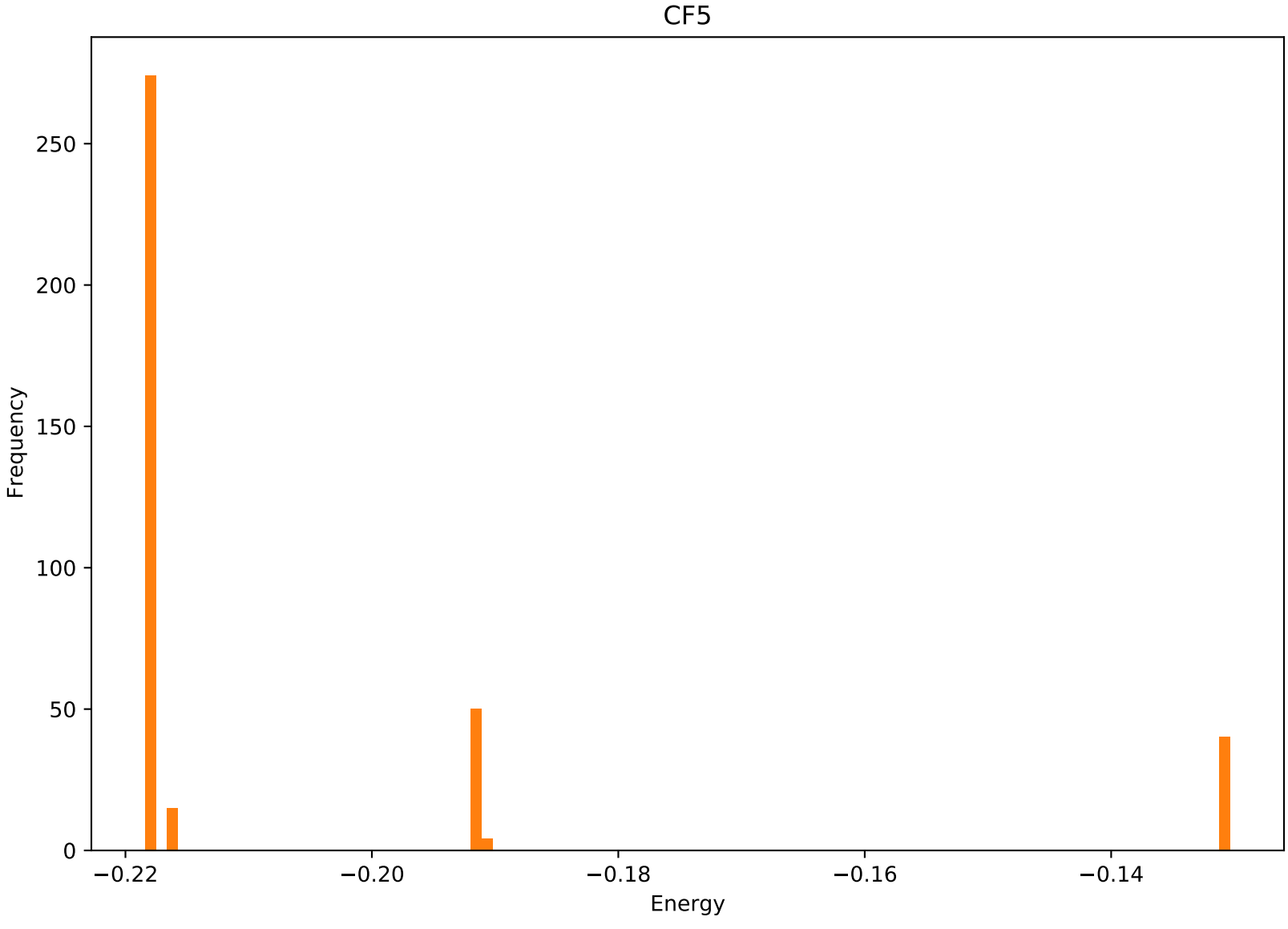

CF1
Frequency
350
300
250
200
150
100
50
0
Baseline: 1.39865
1.3
1.4
1.5
1.6
1.7
1.8
Energy

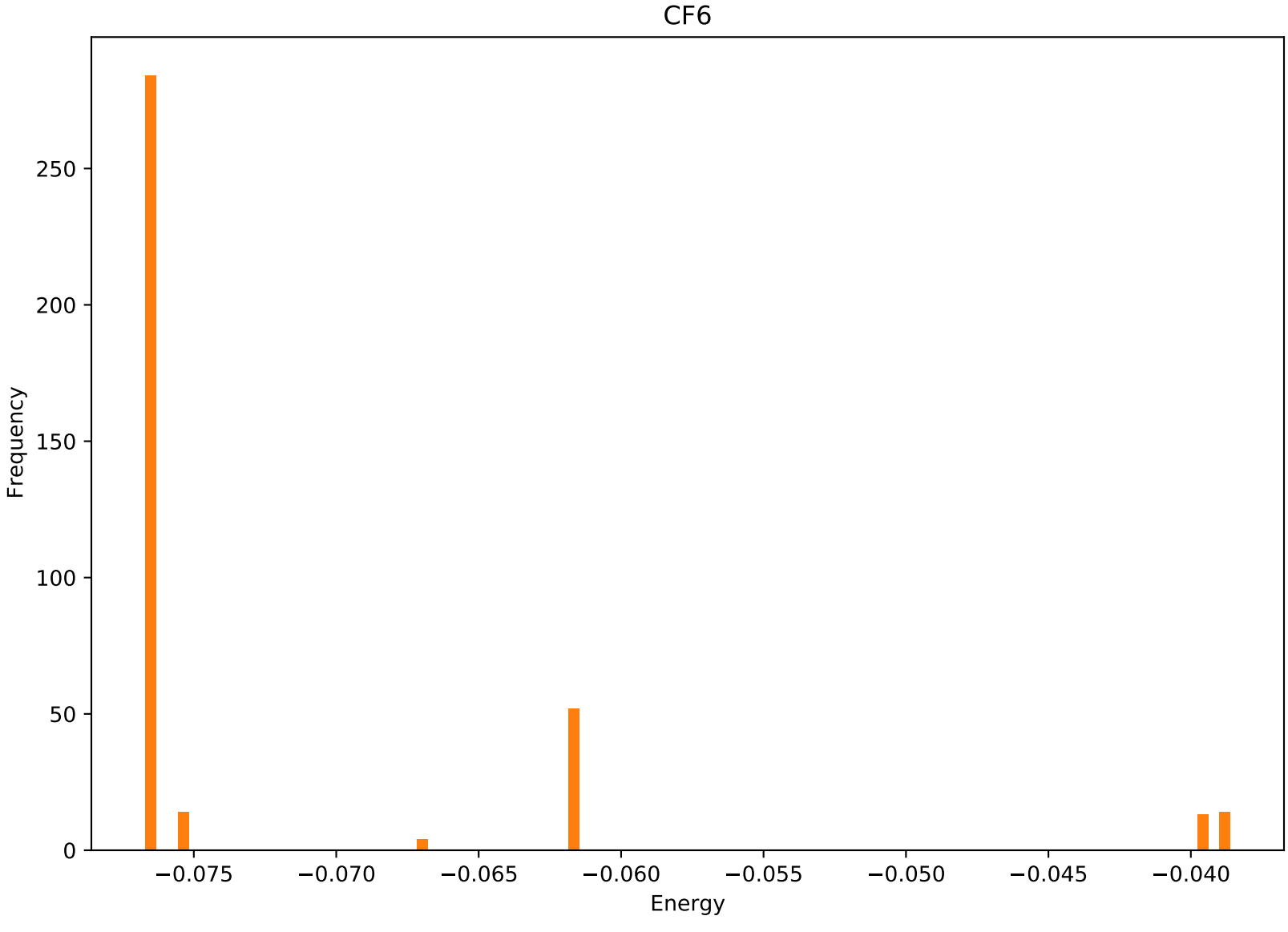

CF10
Frequency
200
150
100
50
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

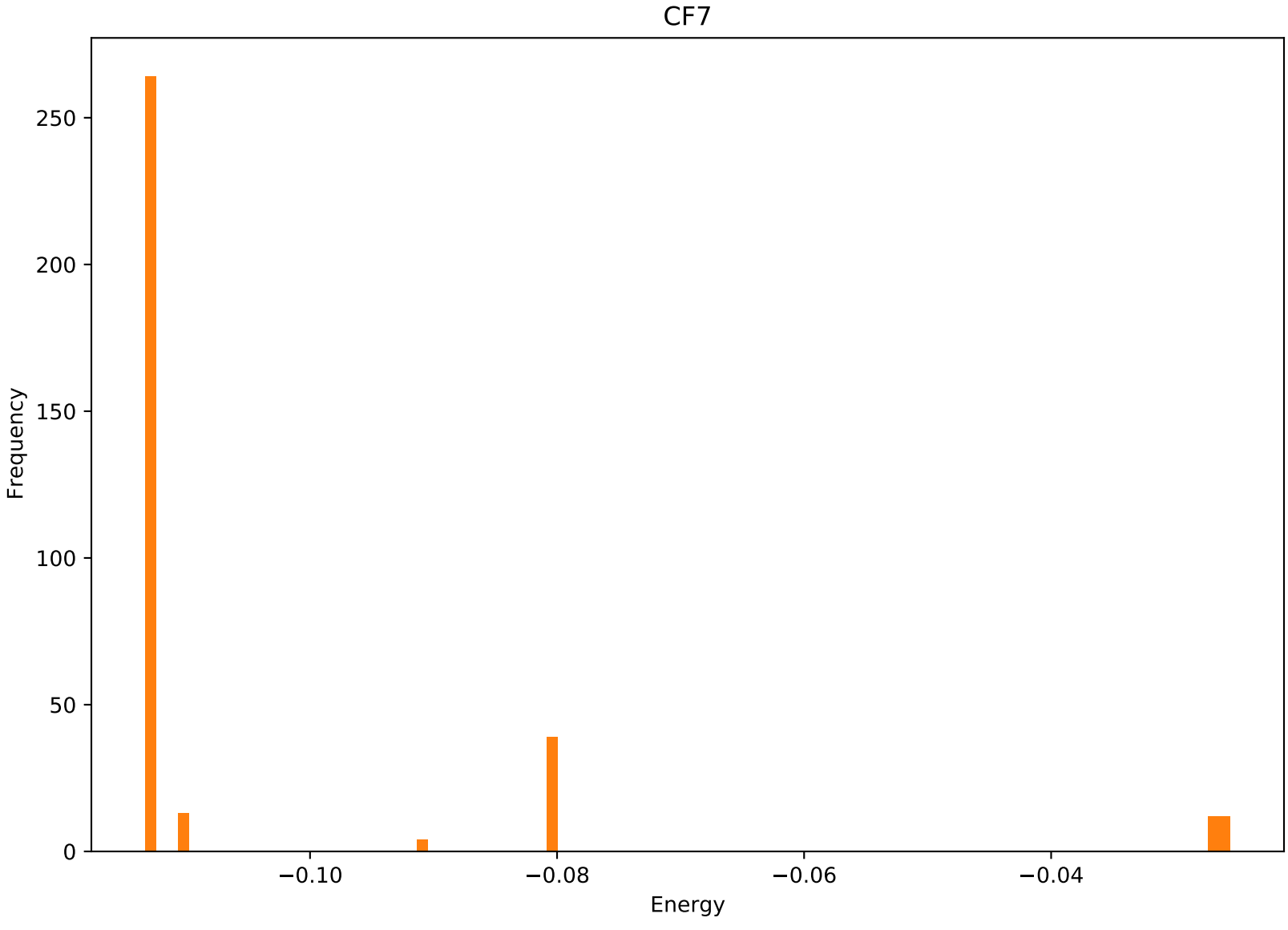

CF2
Frequency
Energy
0
50
100
150
200
250
300
350
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90

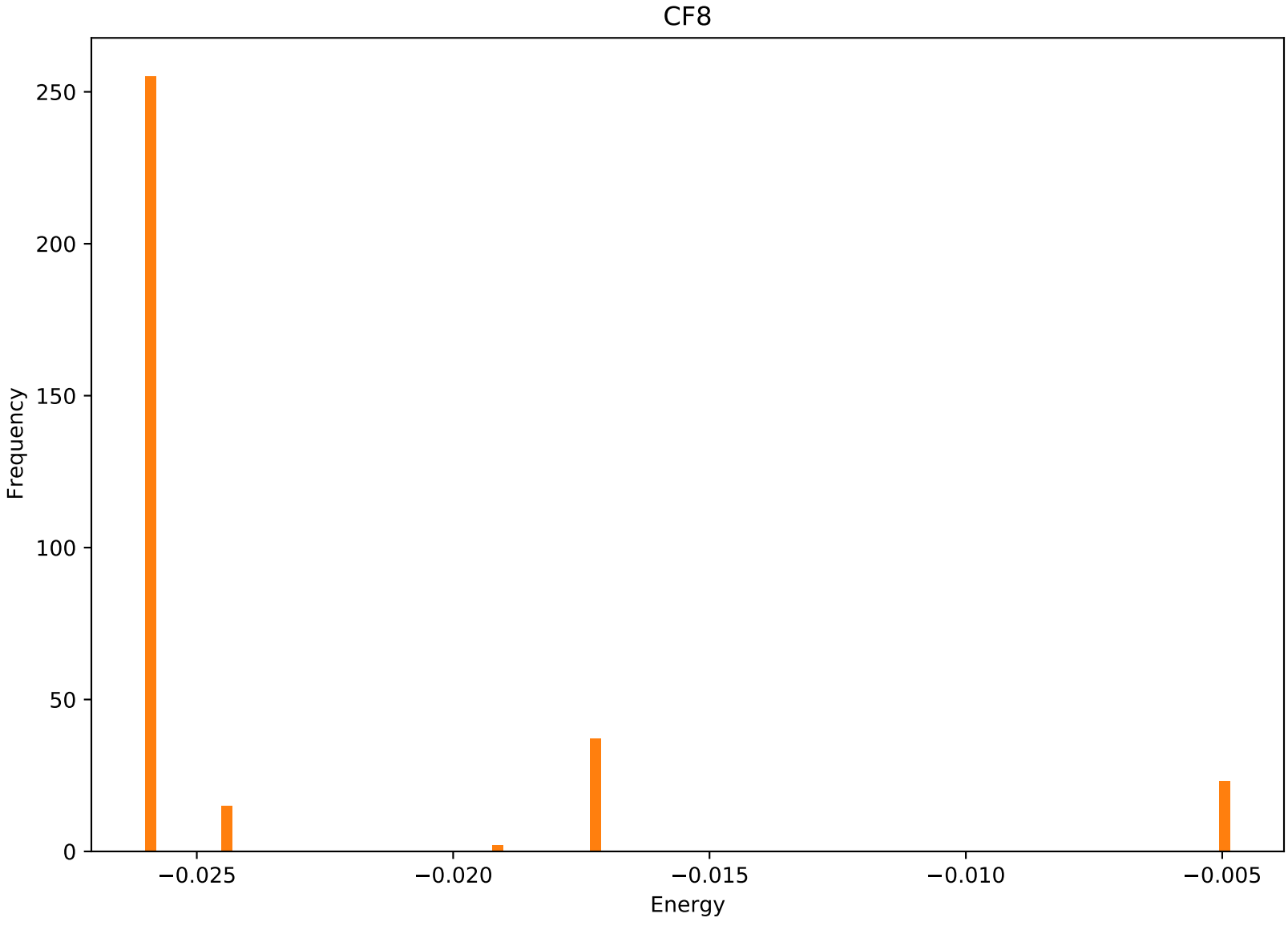

CF3
Frequency
Energy
Baseline: -2.28252
350
300
250
200
150
100
50
0
−2.6
−2.4
−2.2
−2.0
−1.8
−1.6

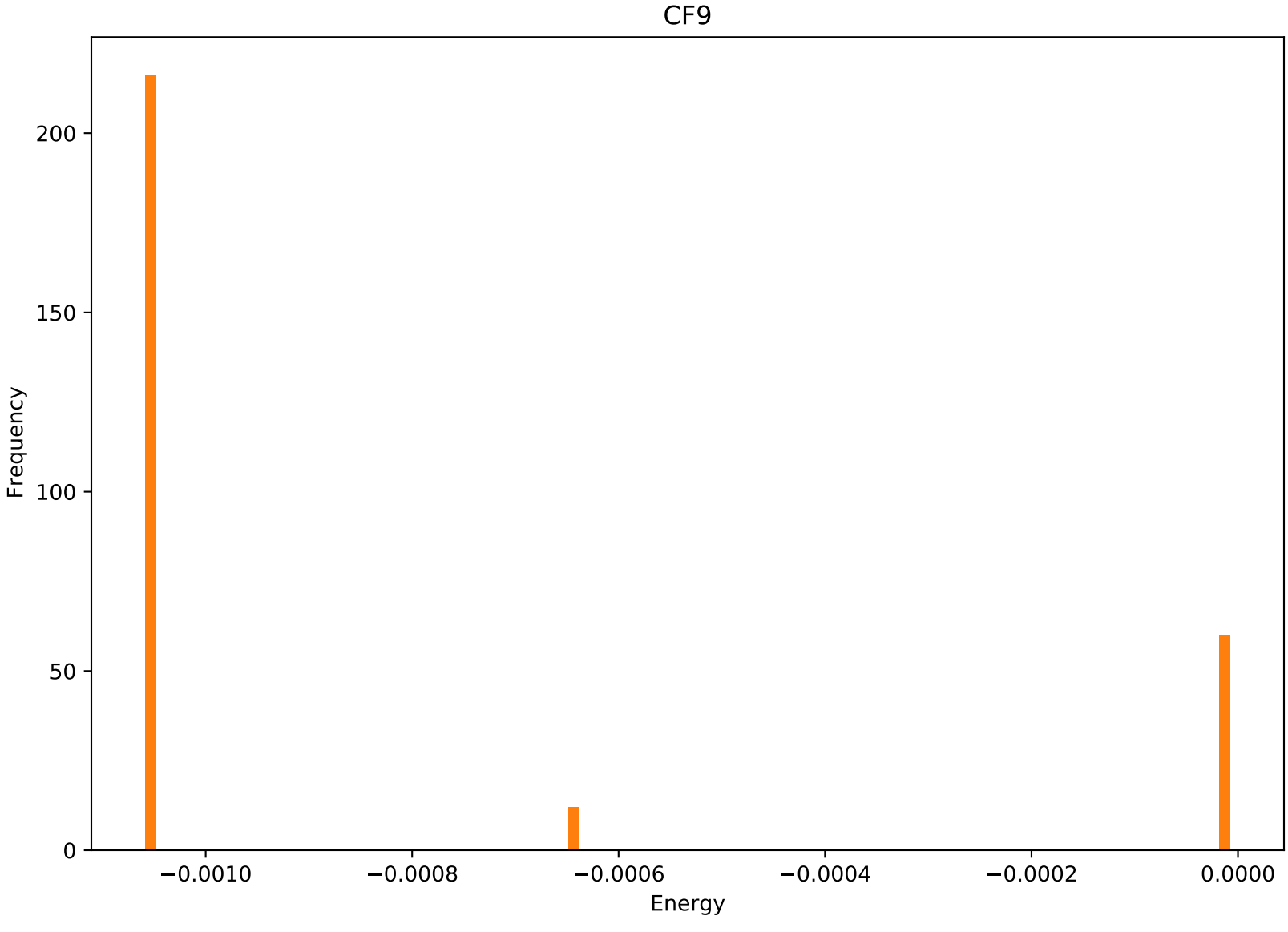

CF4
Frequency
Energy
Baseline: -3.54102
400
350
300
250
200
150
100
50
0
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50

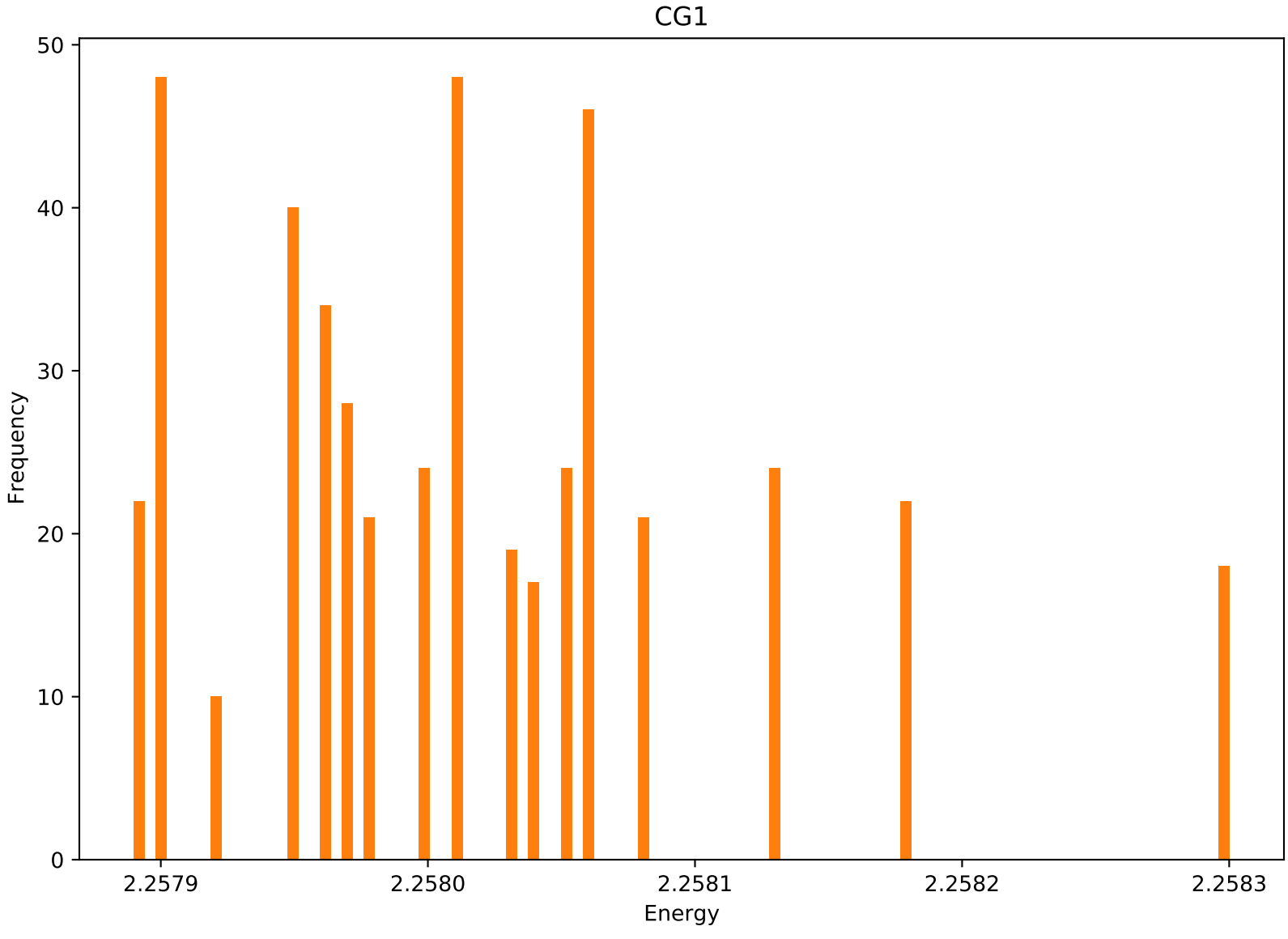

CF5
Frequency
250
200
150
100
50
0
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

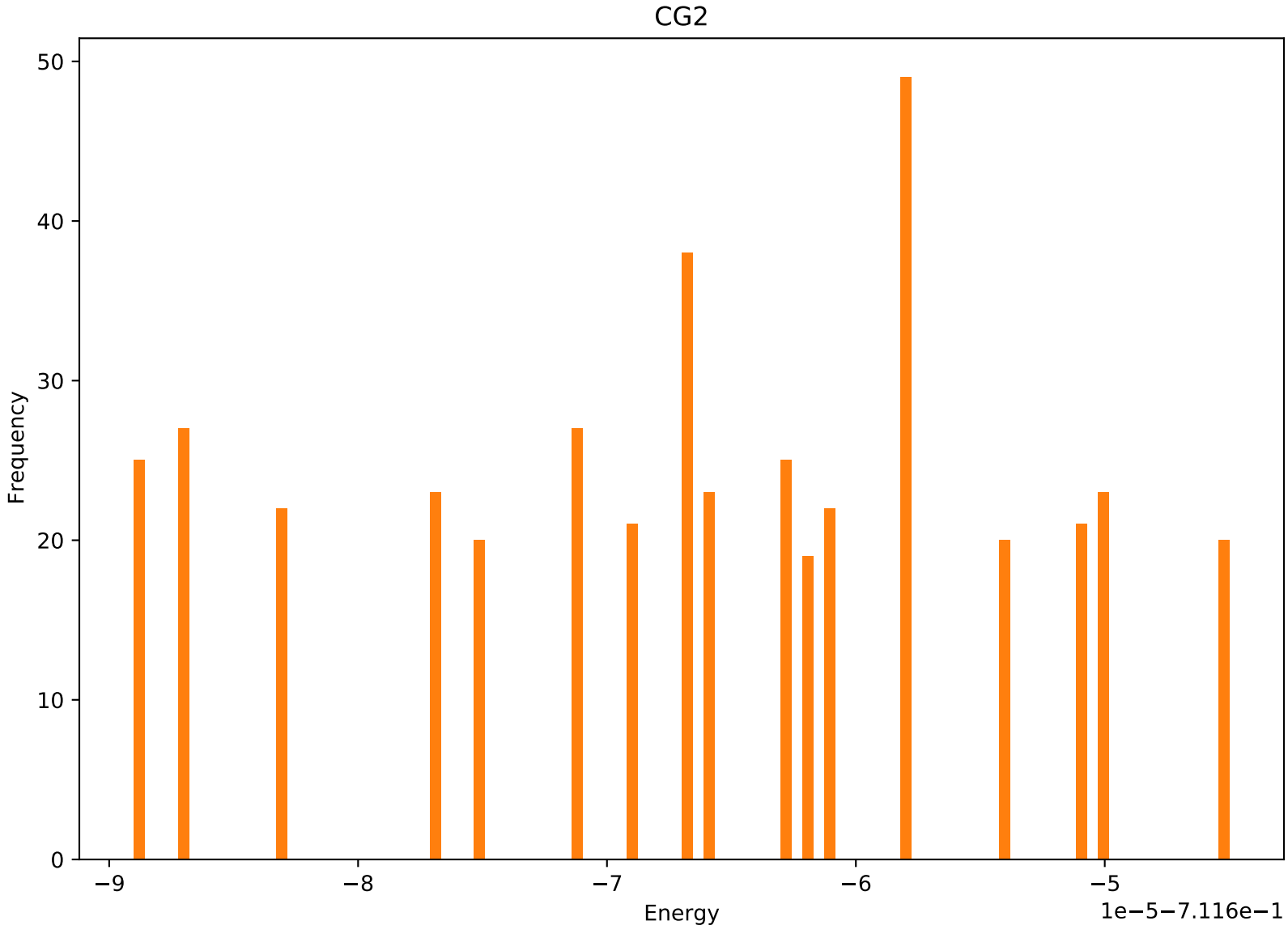

CF6
Frequency
250
200
150
100
50
0
−0.075
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

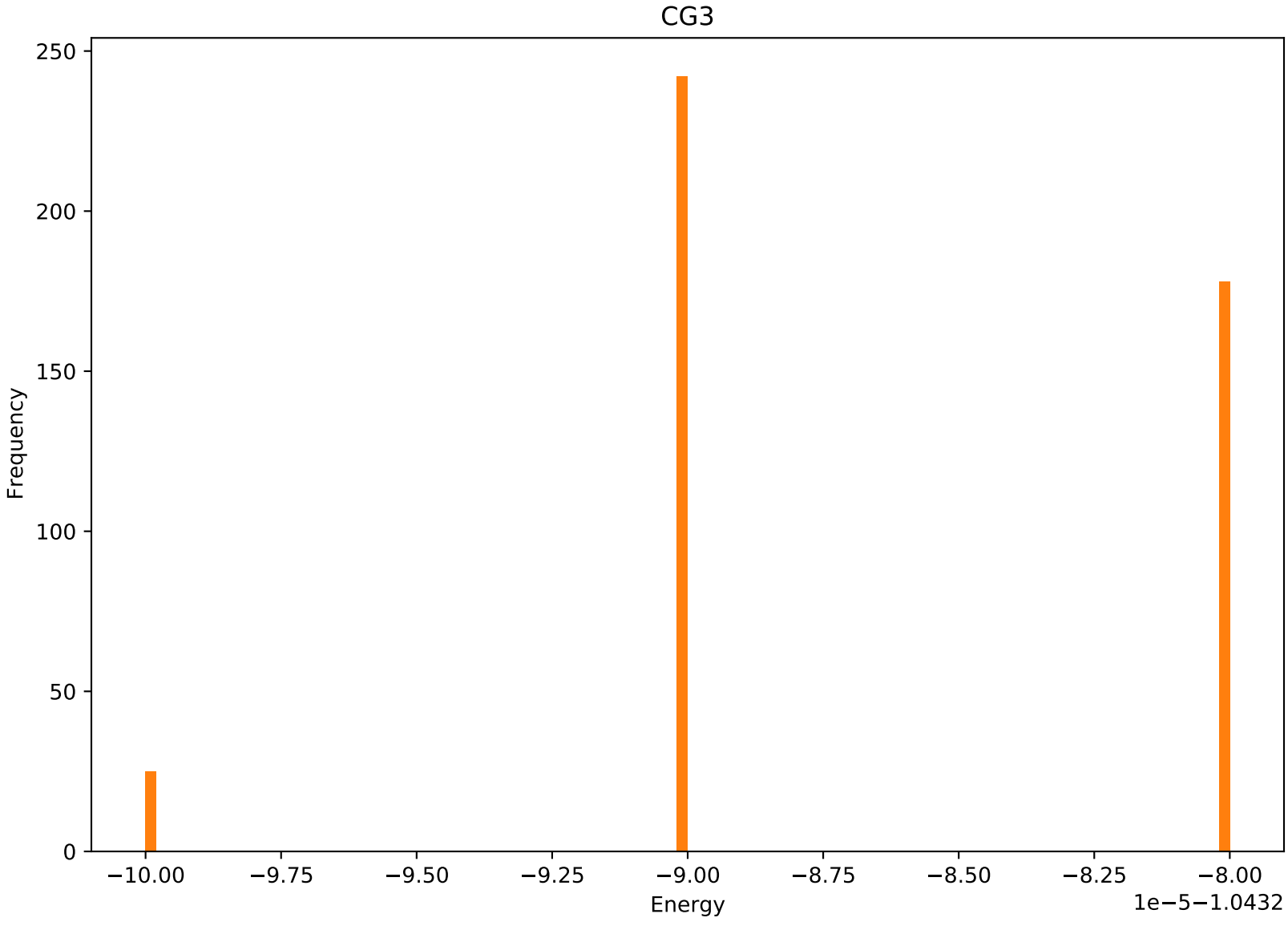

CF7
Frequency
250
200
150
100
50
0
−0.10
−0.08
−0.06
−0.04
Energy

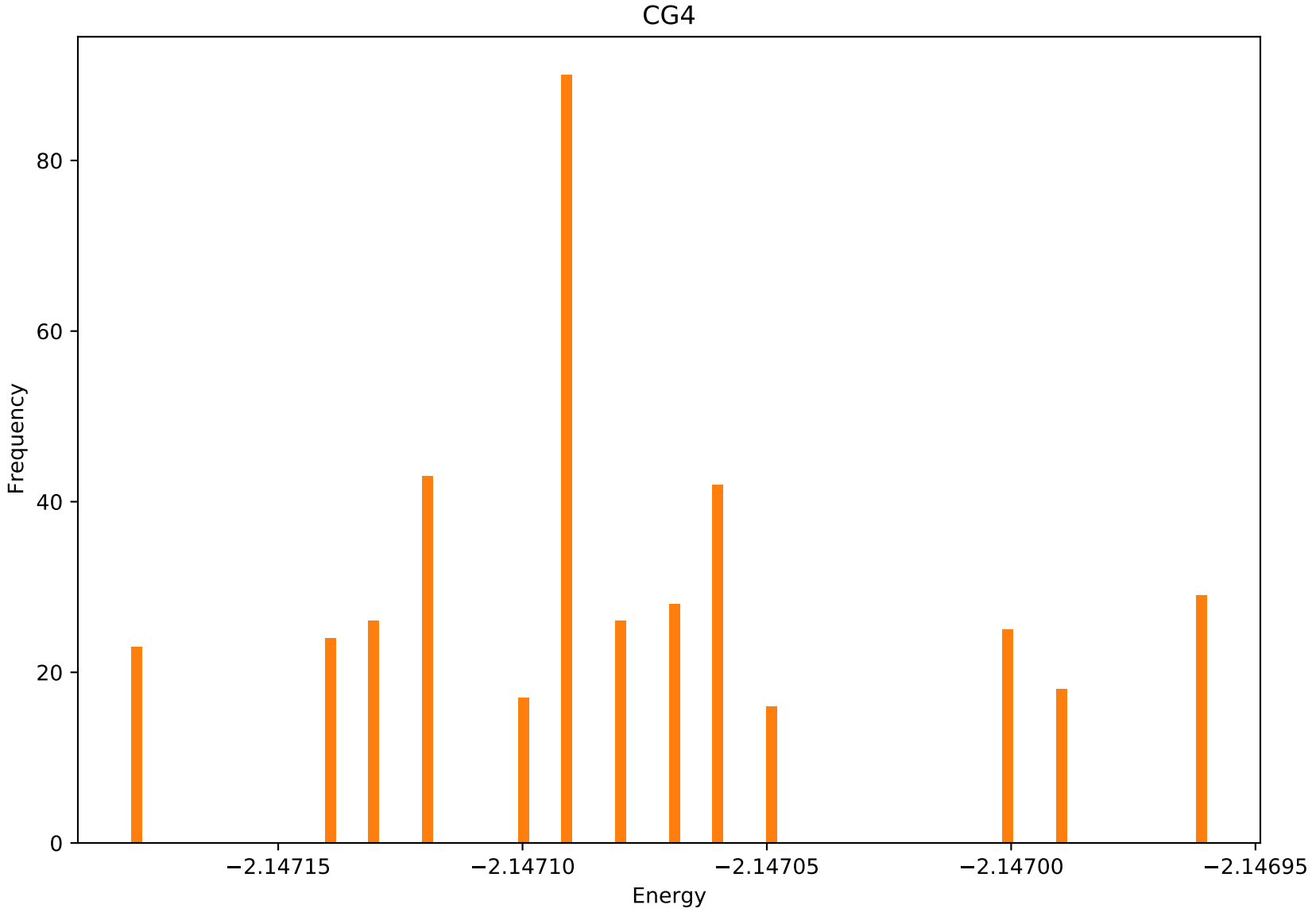

CF8
Frequency
250
200
150
100
50
0
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

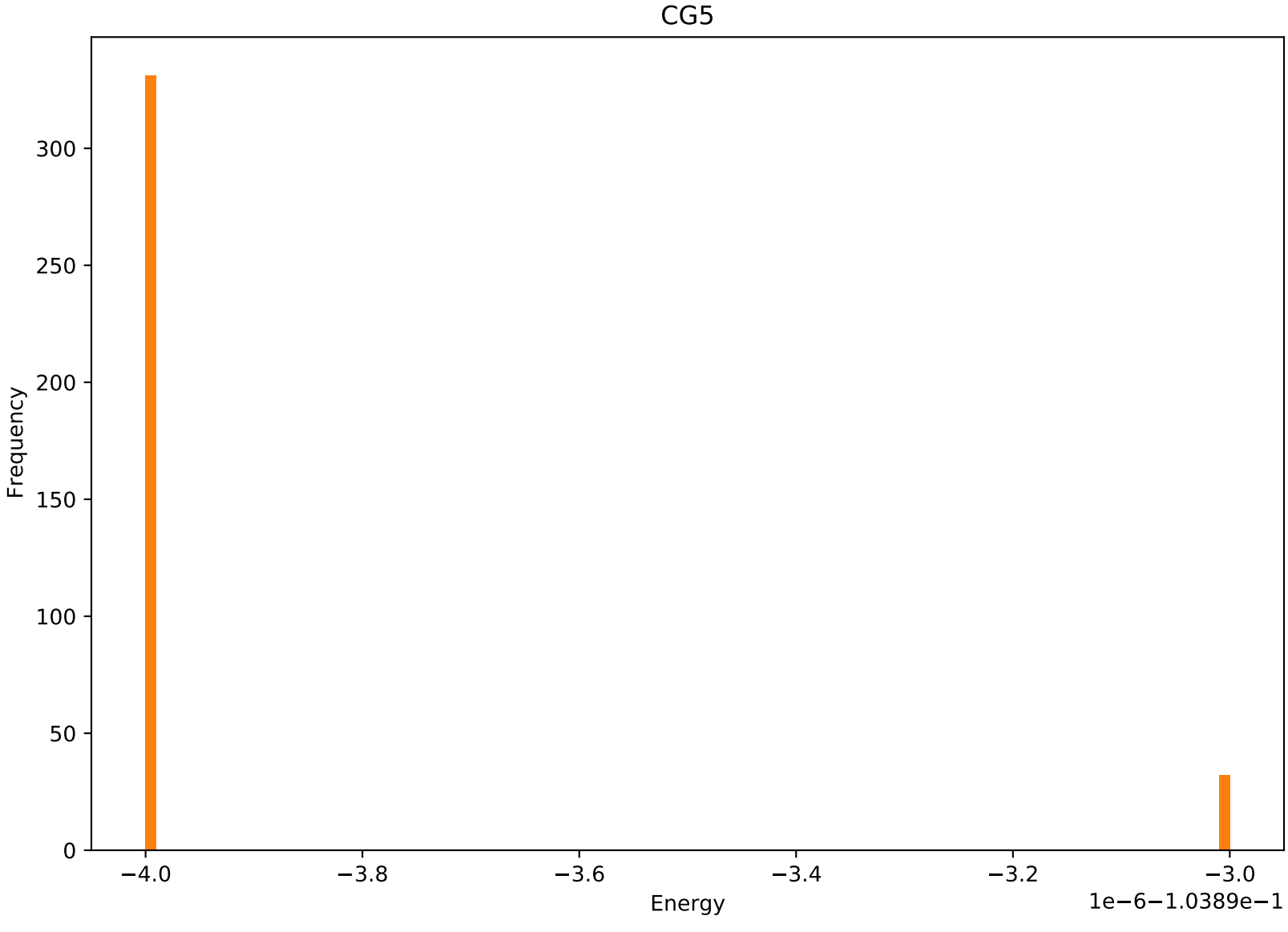

CF9
Frequency
200
150
100
50
0
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

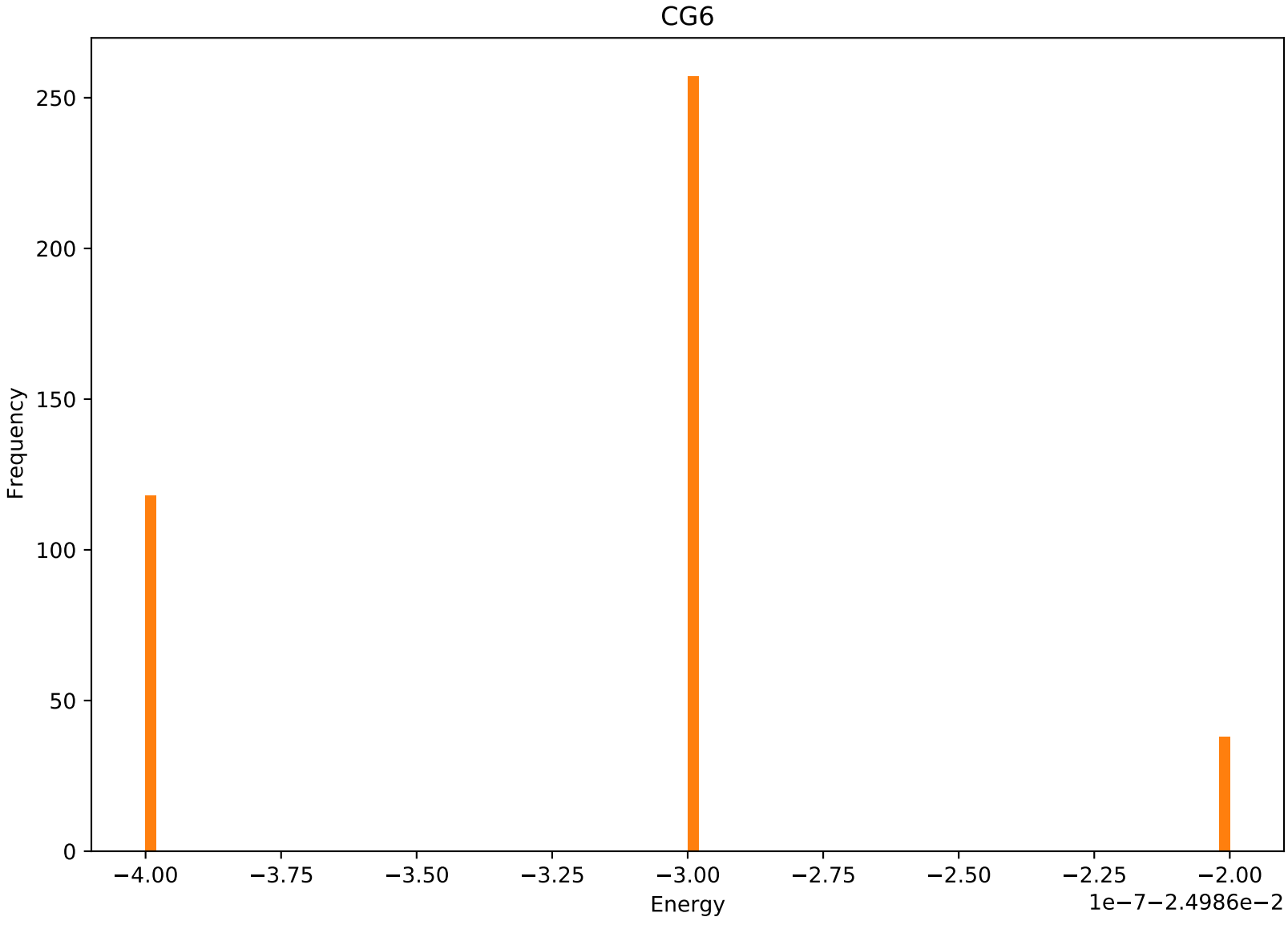

CG1
Frequency
Energy
0
10
20
30
40
50
2.2579
2.2580
2.2581
2.2582
2.2583

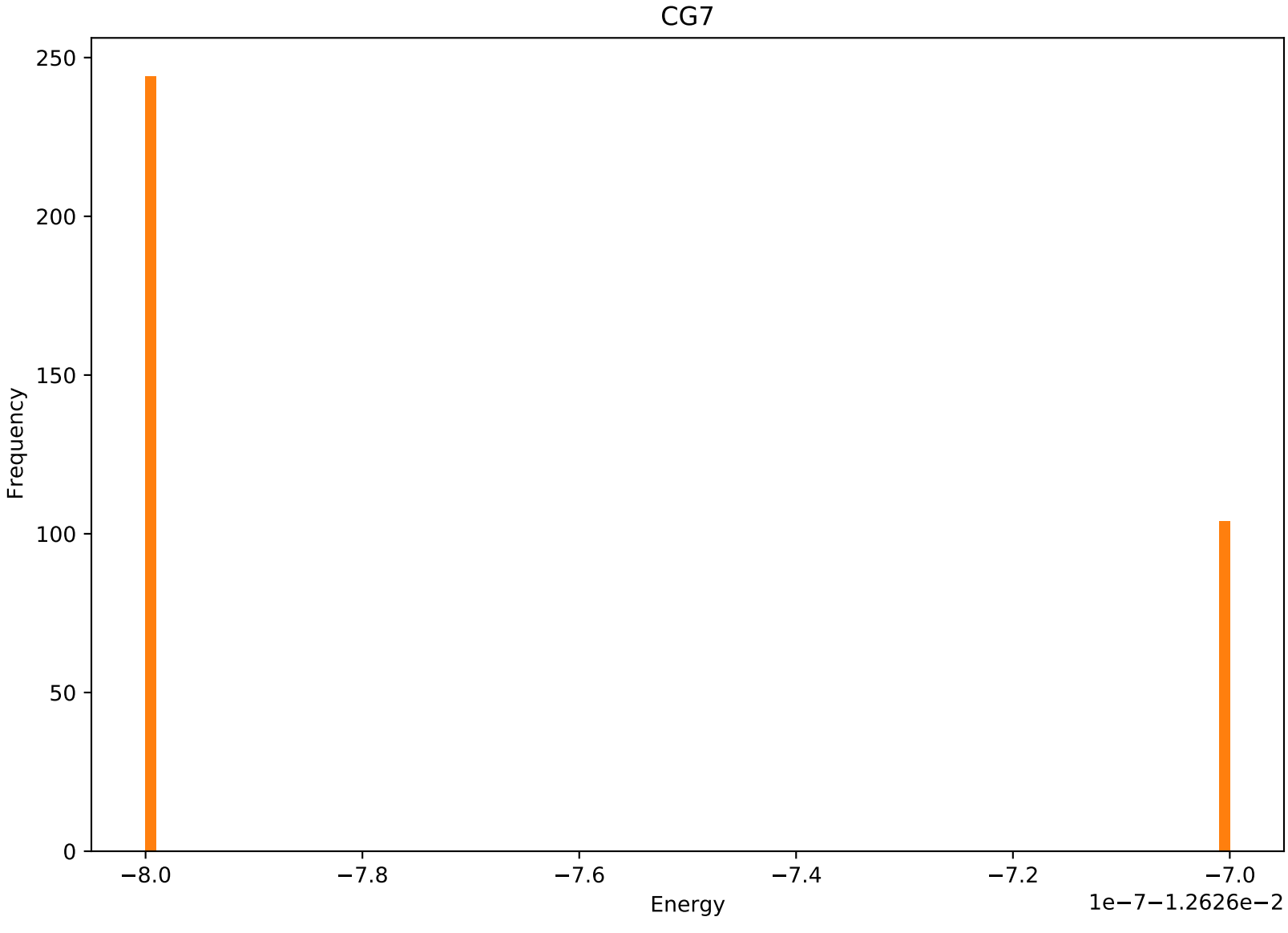

CG2
Frequency
0
10
20
30
40
50
−9
−8
−7
−6
−5
Energy
1e−5−7.116e−1

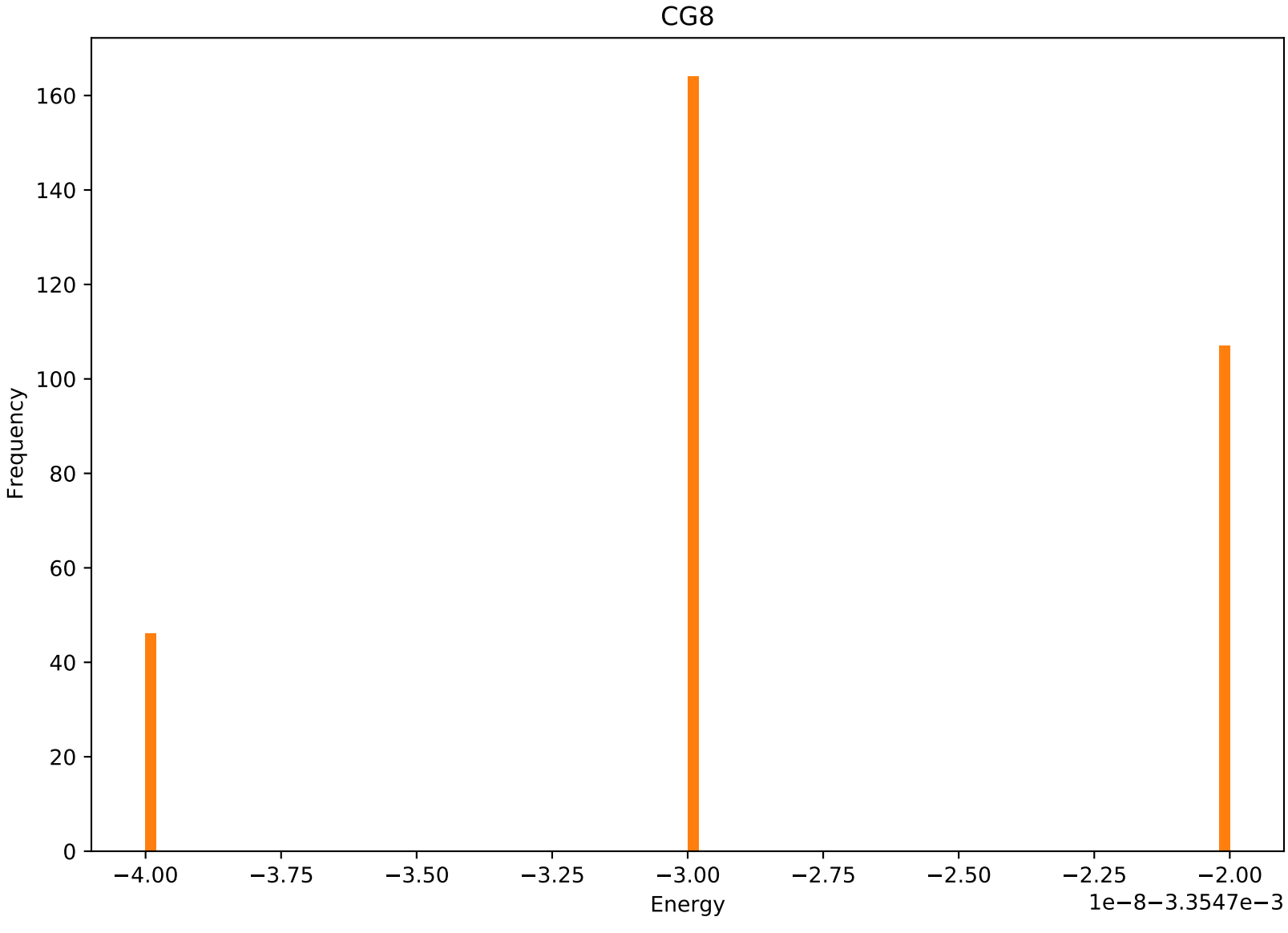

CG3
250
200
150
100
50
0
Frequency
−10.00
−9.75
−9.50
−9.25
−9.00
−8.75
−8.50
−8.25
−8.00
Energy
1e−5−1.0432

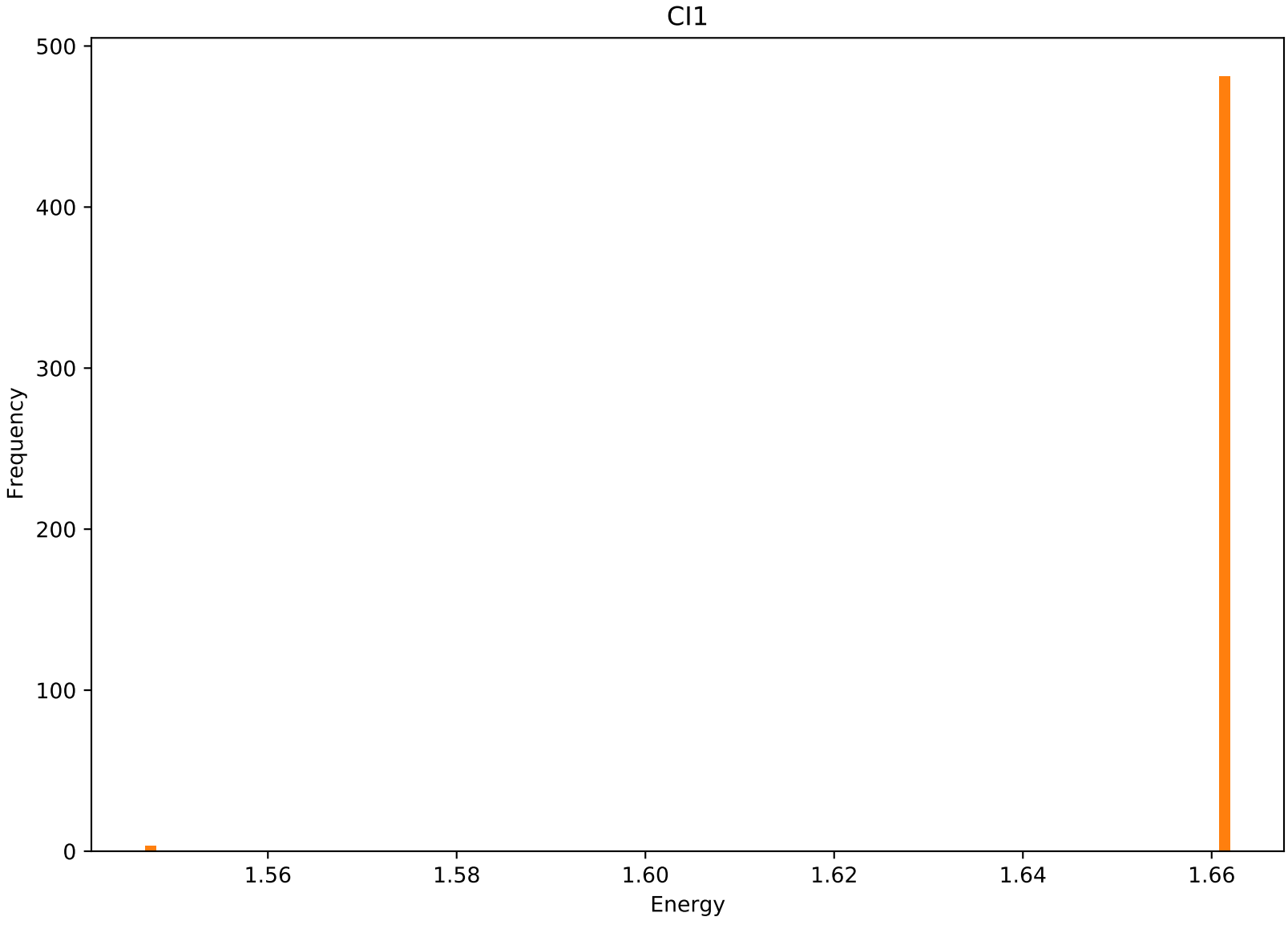

CG4
Frequency
0
20
40
60
80
−2.14715
−2.14710
−2.14705
−2.14700
−2.14695
Energy

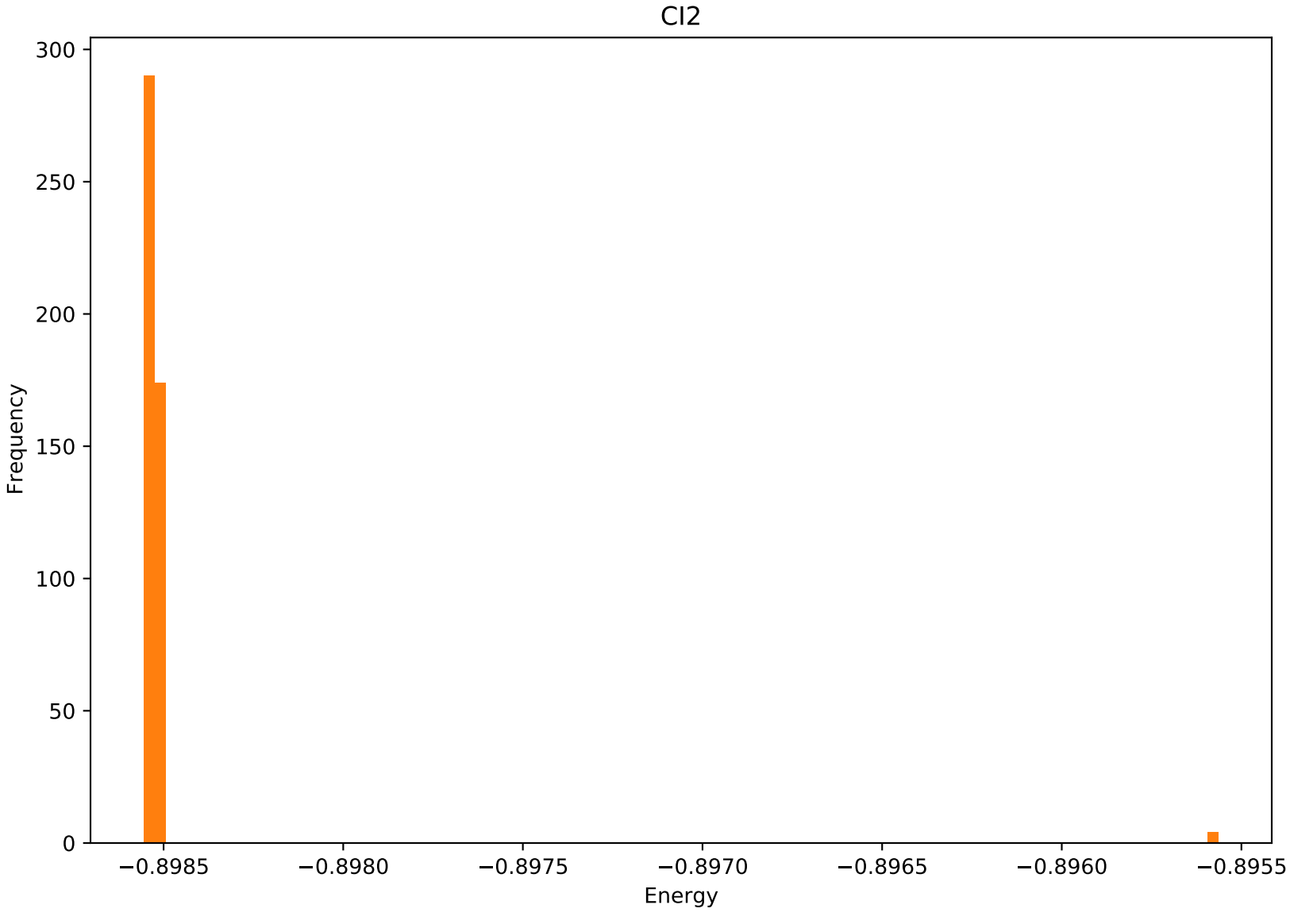

CG5
300
250
200
150
100
50
0
Frequency
−4.0
−3.8
−3.6
−3.4
−3.2
−3.0
Energy
1e−6−1.0389e−1

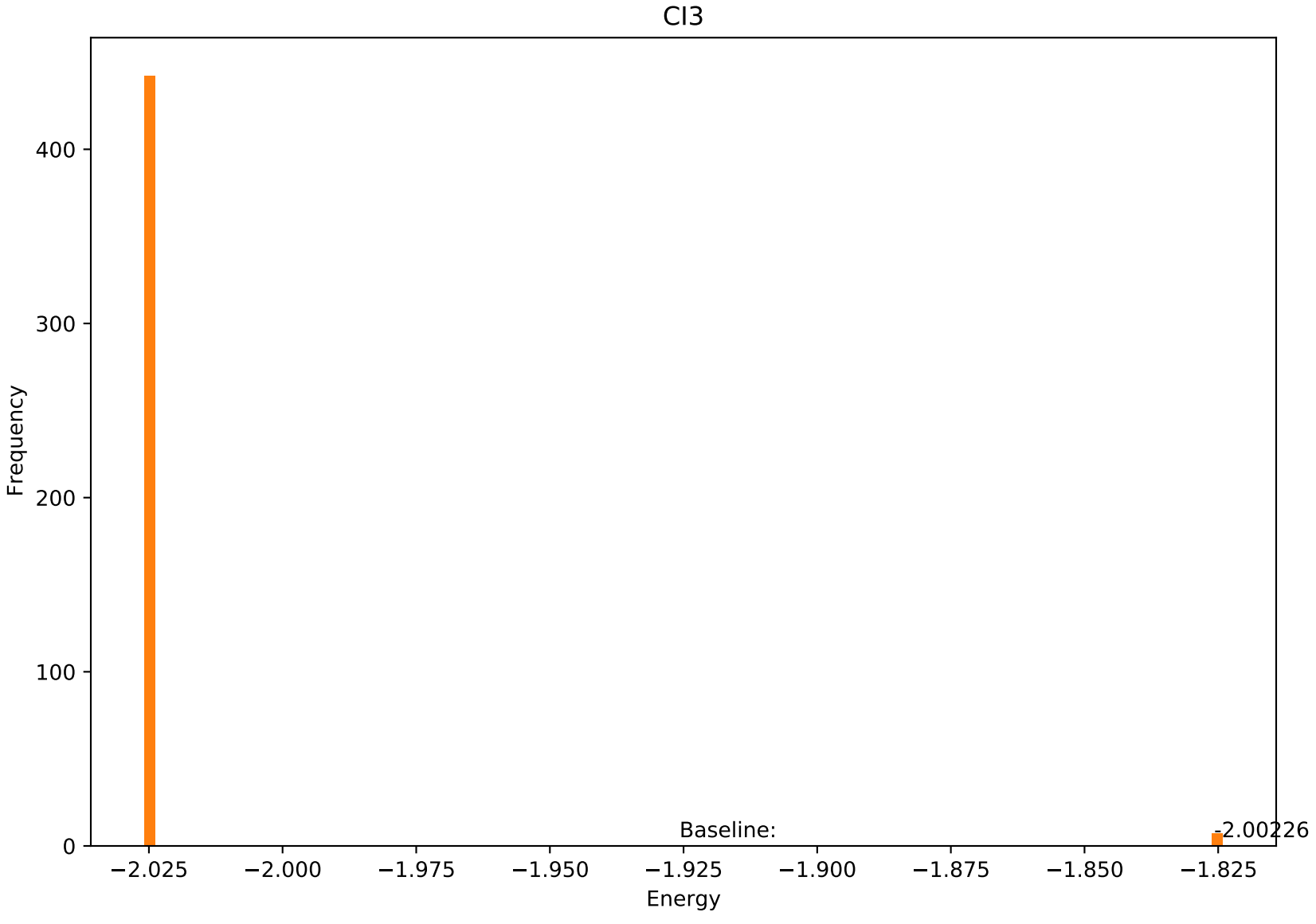

CG6
Frequency
250
200
150
100
50
0
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
Energy
1e−7−2.4986e−2

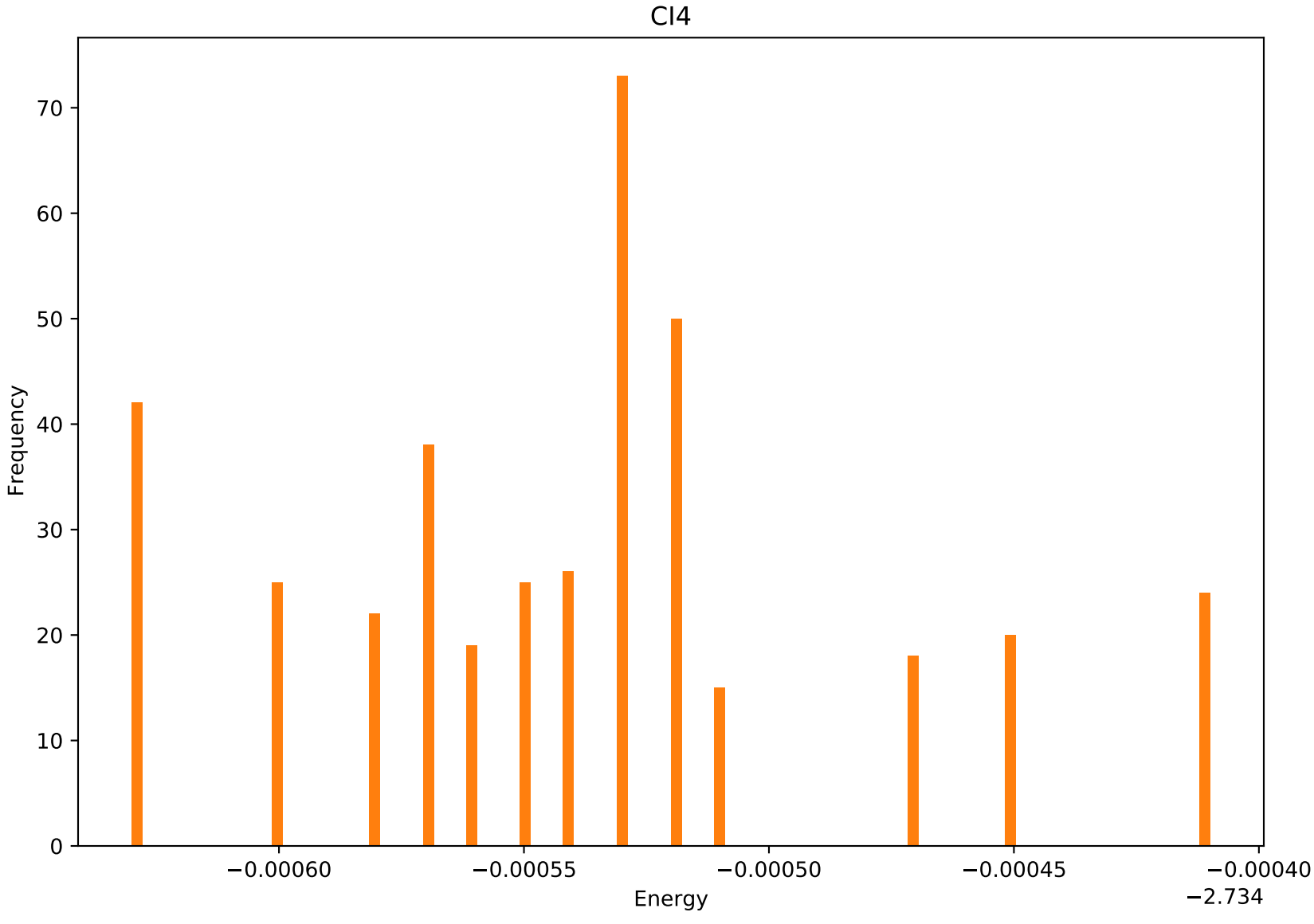

CG7
250
200
150
100
50
0
Frequency
−8.0
−7.8
−7.6
−7.4
−7.2
−7.0
Energy
1e−7−1.2626e−2

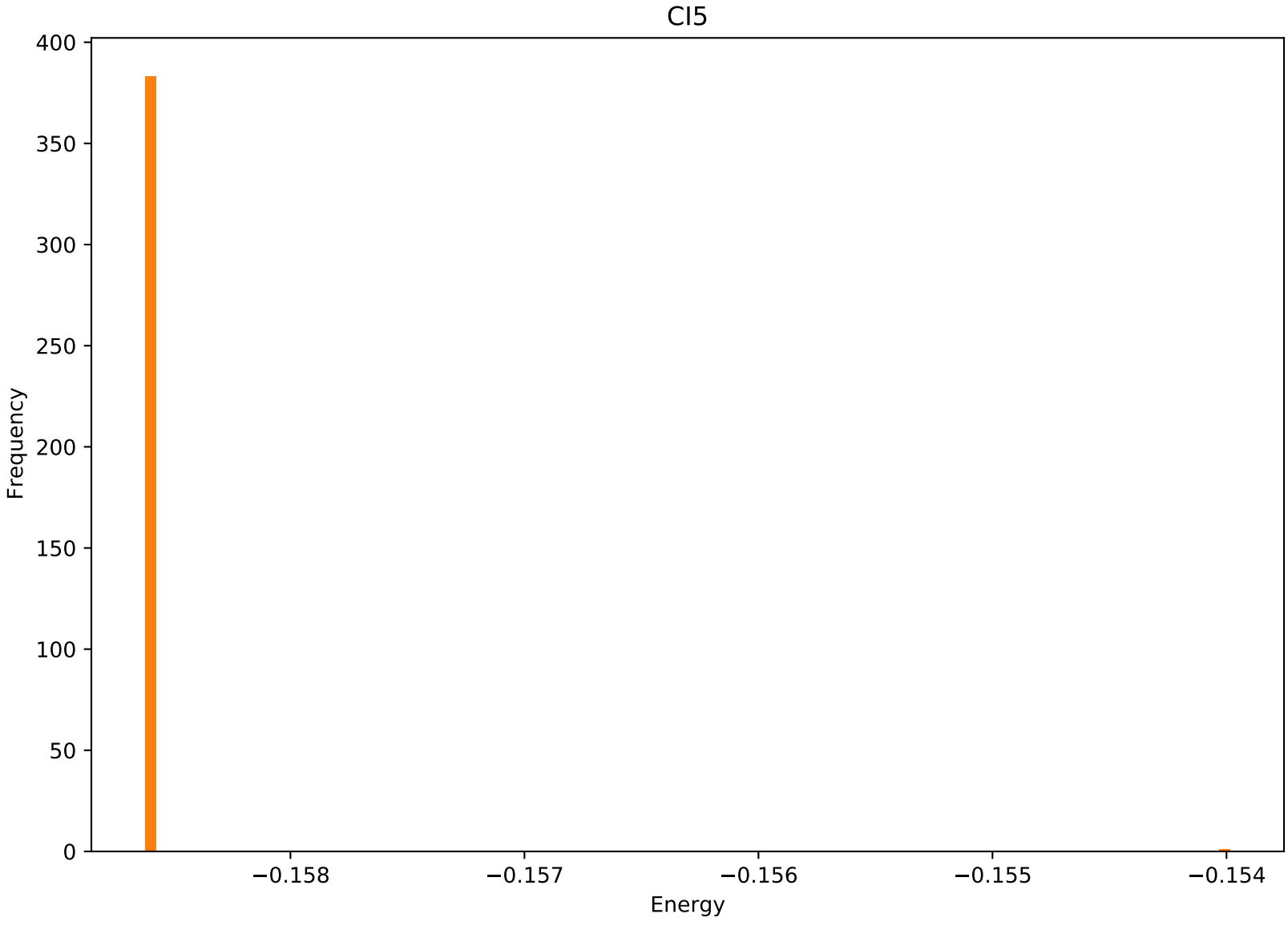

CG8
Frequency
0
20
40
60
80
100
120
140
160
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
Energy
1e−8−3.3547e−3

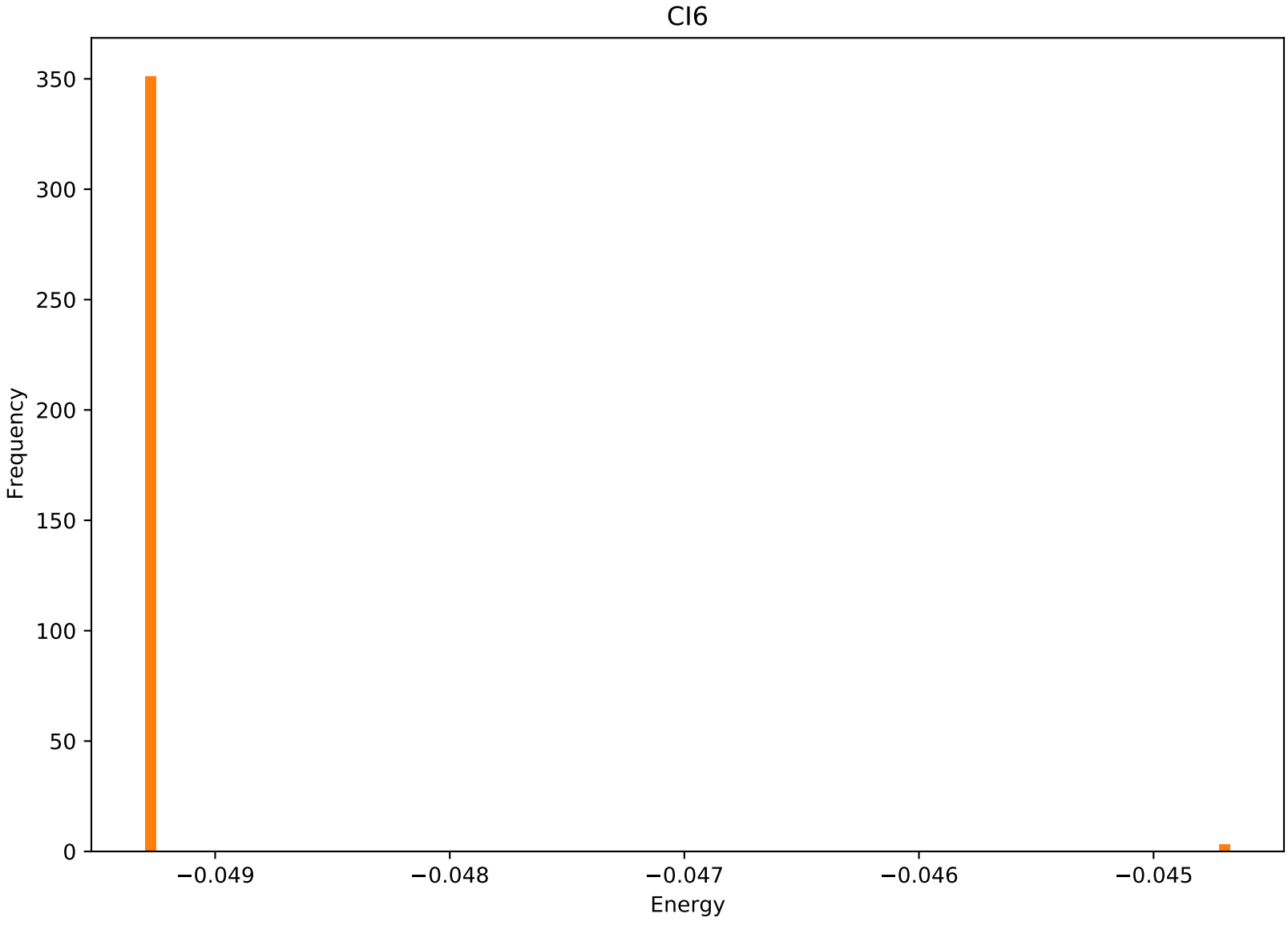

CI1
500
400
300
200
100
0
Frequency
1.56
1.58
1.60
1.62
1.64
1.66
Energy

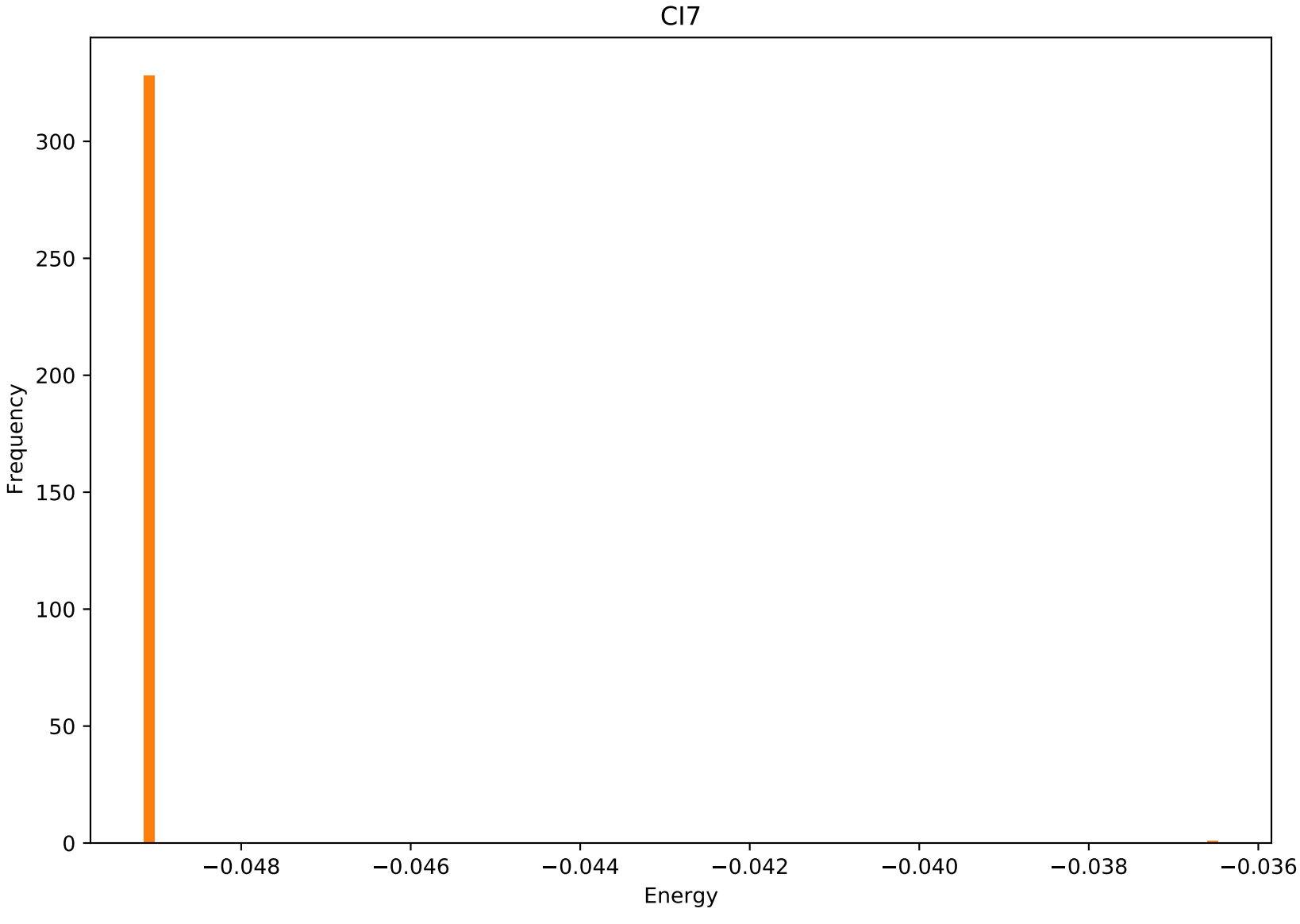

CI2
300
250
200
150
100
50
0
Frequency
−0.8985
−0.8980
−0.8975
−0.8970
−0.8965
−0.8960
−0.8955
Energy

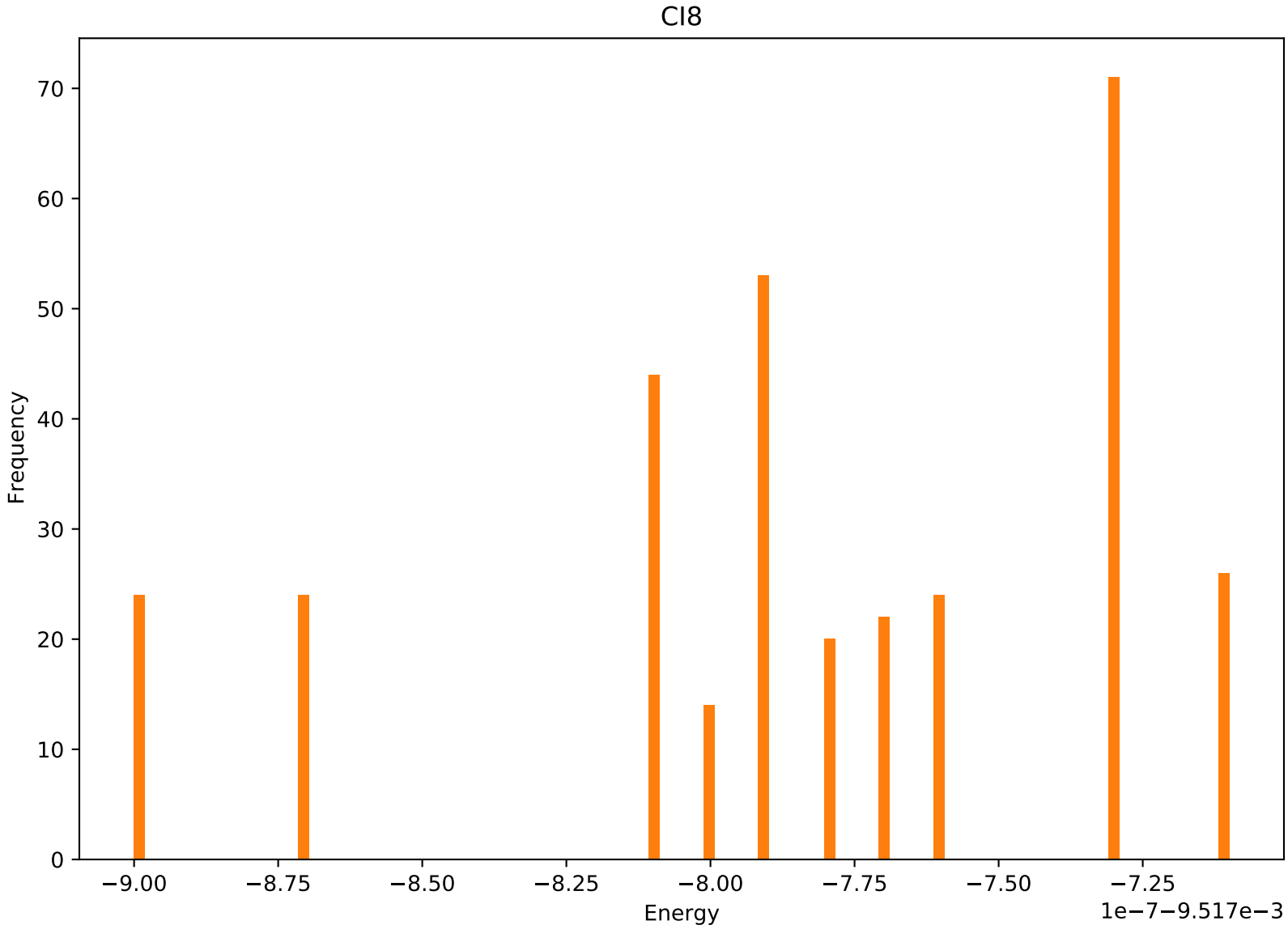

CI3
Frequency
400
300
200
100
0
Baseline:
-2.00226
−2.025
−2.000
−1.975
−1.950
−1.925
−1.900
−1.875
−1.850
−1.825
Energy

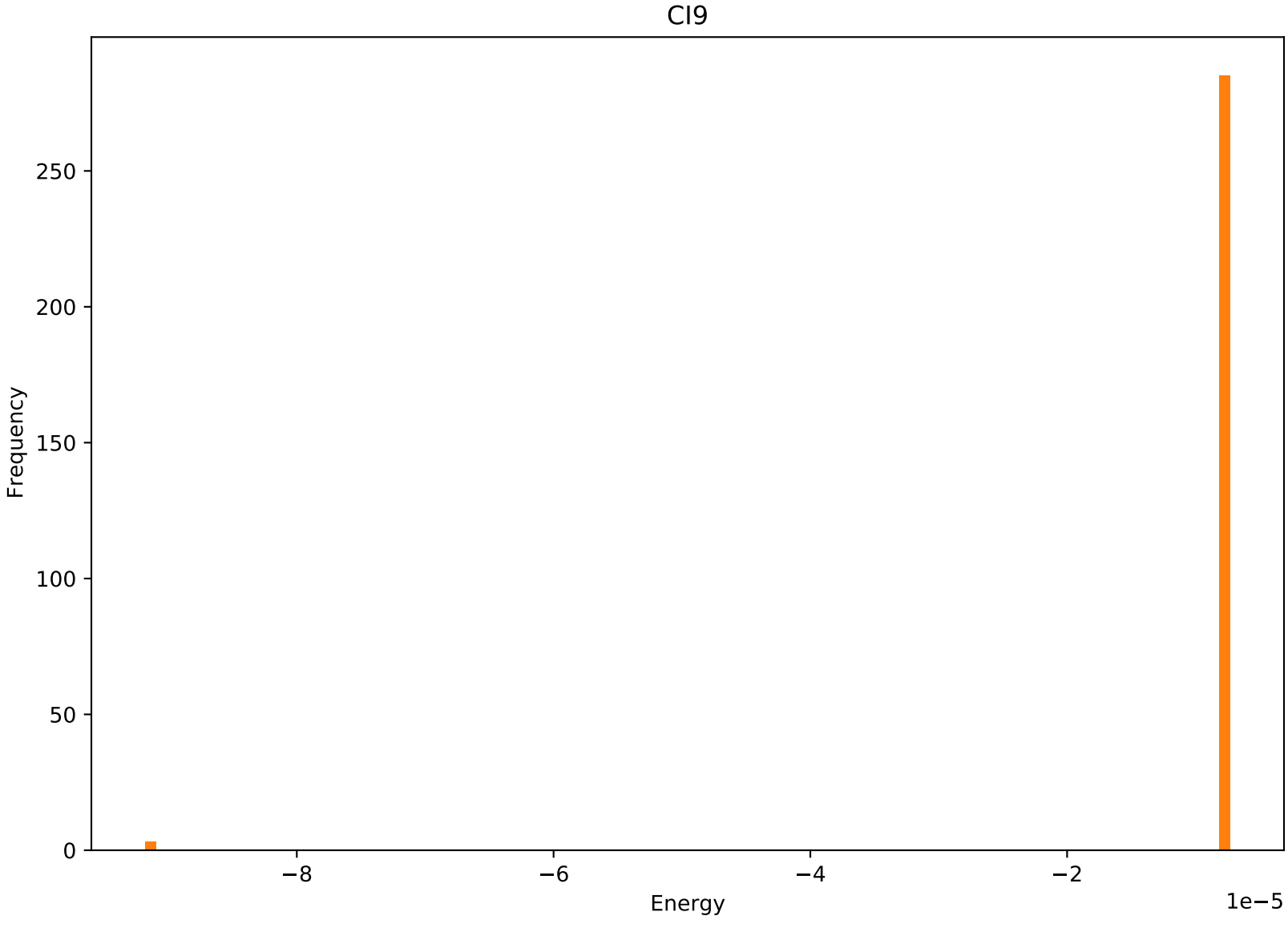

CI4
Frequency
0
10
20
30
40
50
60
70
−0.00060
−0.00055
−0.00050
−0.00045
−0.00040
Energy
−2.734

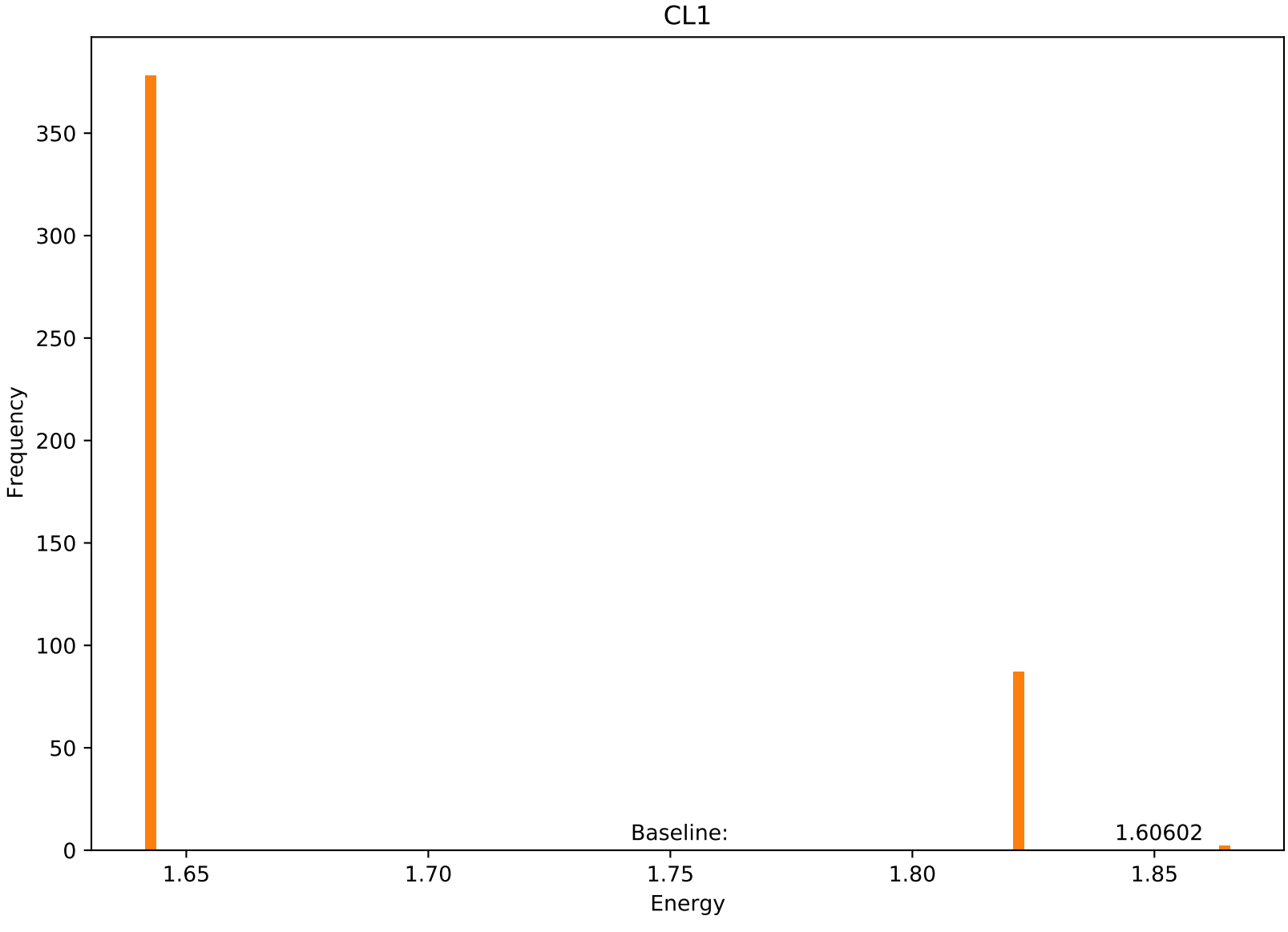

CI5
400
350
300
250
200
150
100
50
0
Frequency
−0.158
−0.157
−0.156
−0.155
−0.154
Energy

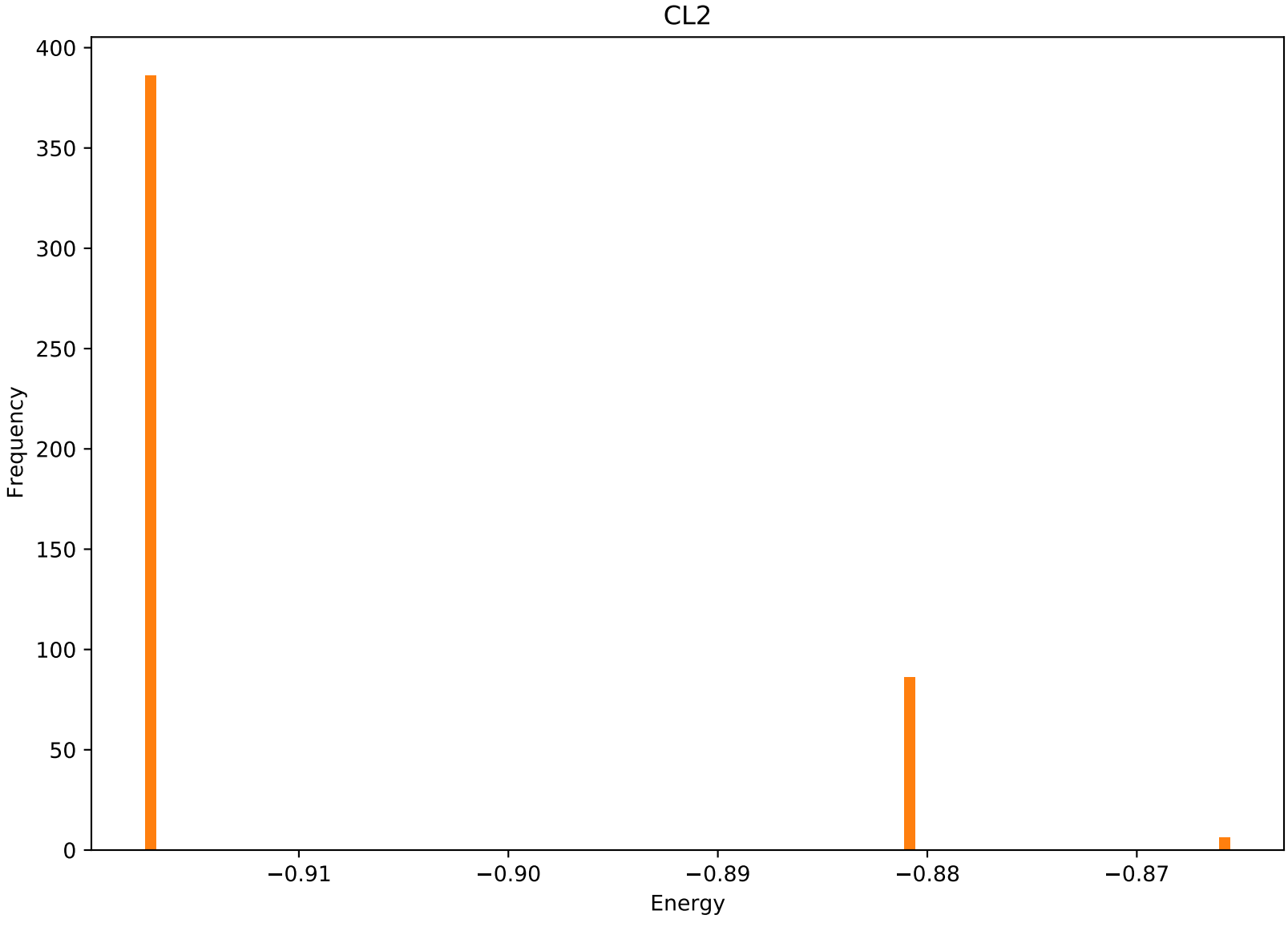

CI6
Frequency
350
300
250
200
150
100
50
0
−0.049
−0.048
−0.047
−0.046
−0.045
Energy

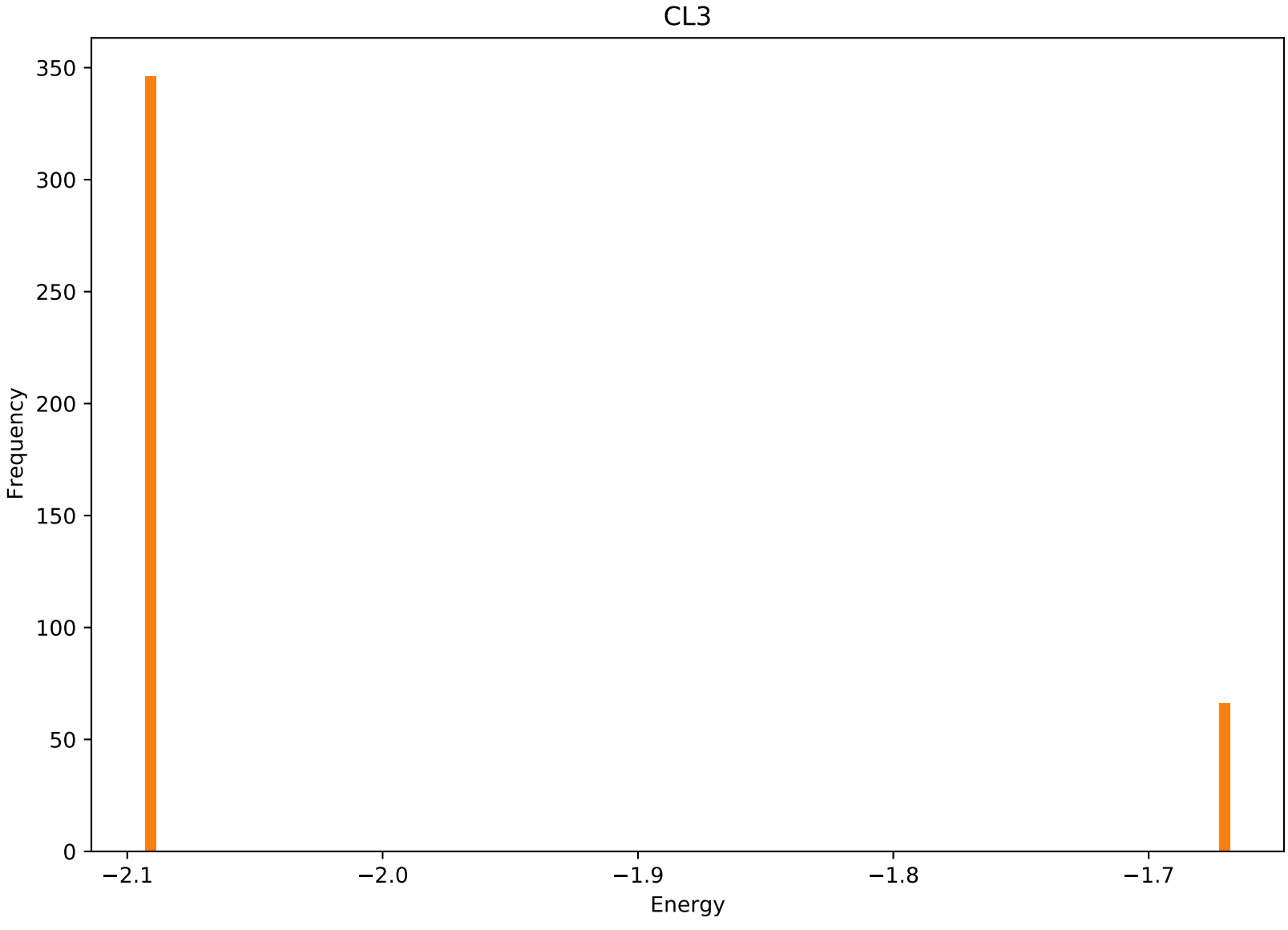

CI7
Frequency
300
250
200
150
100
50
0
−0.048
−0.046
−0.044
−0.042
−0.040
−0.038
−0.036
Energy

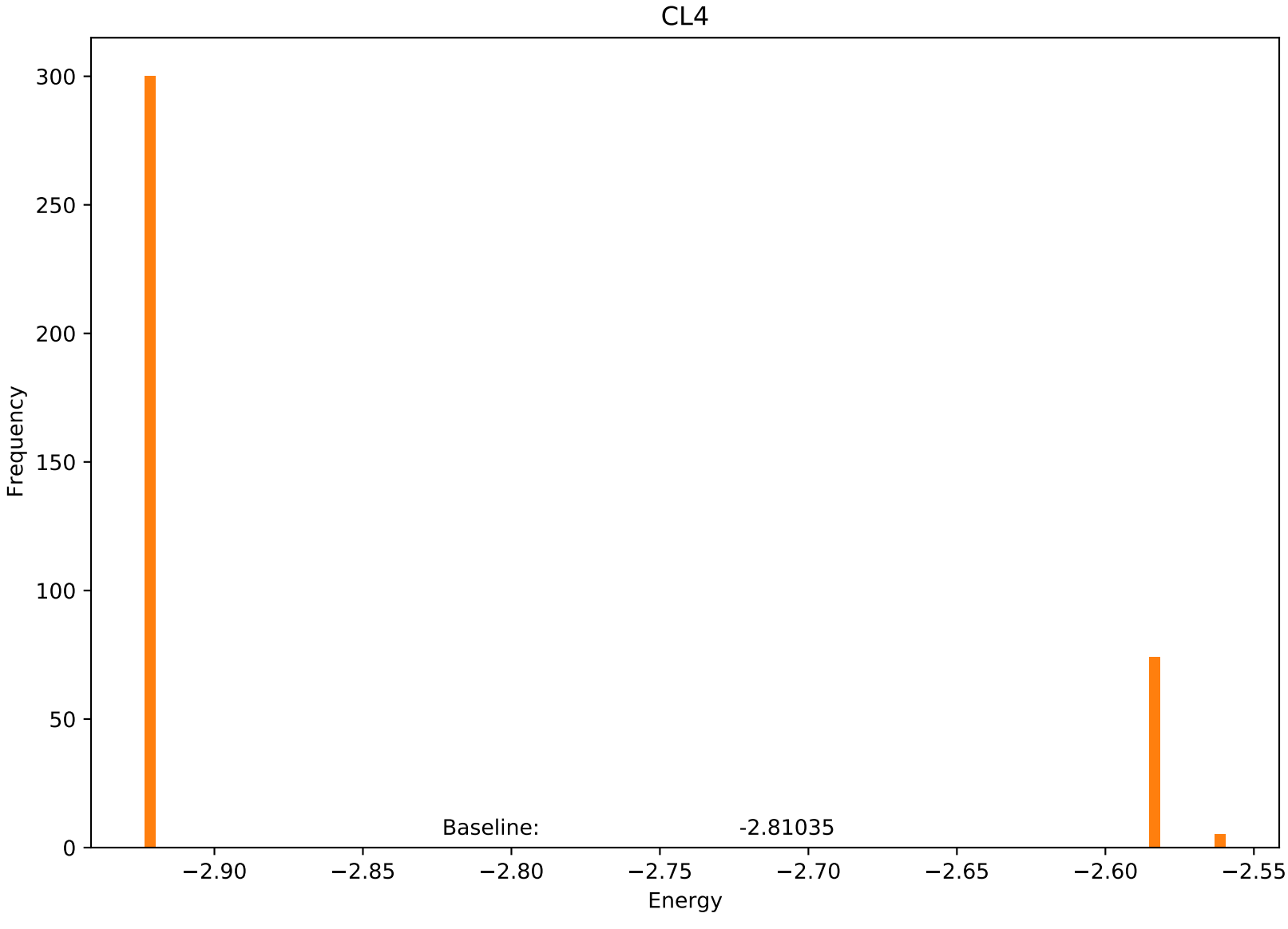

CI8
Frequency
0
10
20
30
40
50
60
70
−9.00
−8.75
−8.50
−8.25
−8.00
−7.75
−7.50
−7.25
Energy
1e−7−9.517e−3

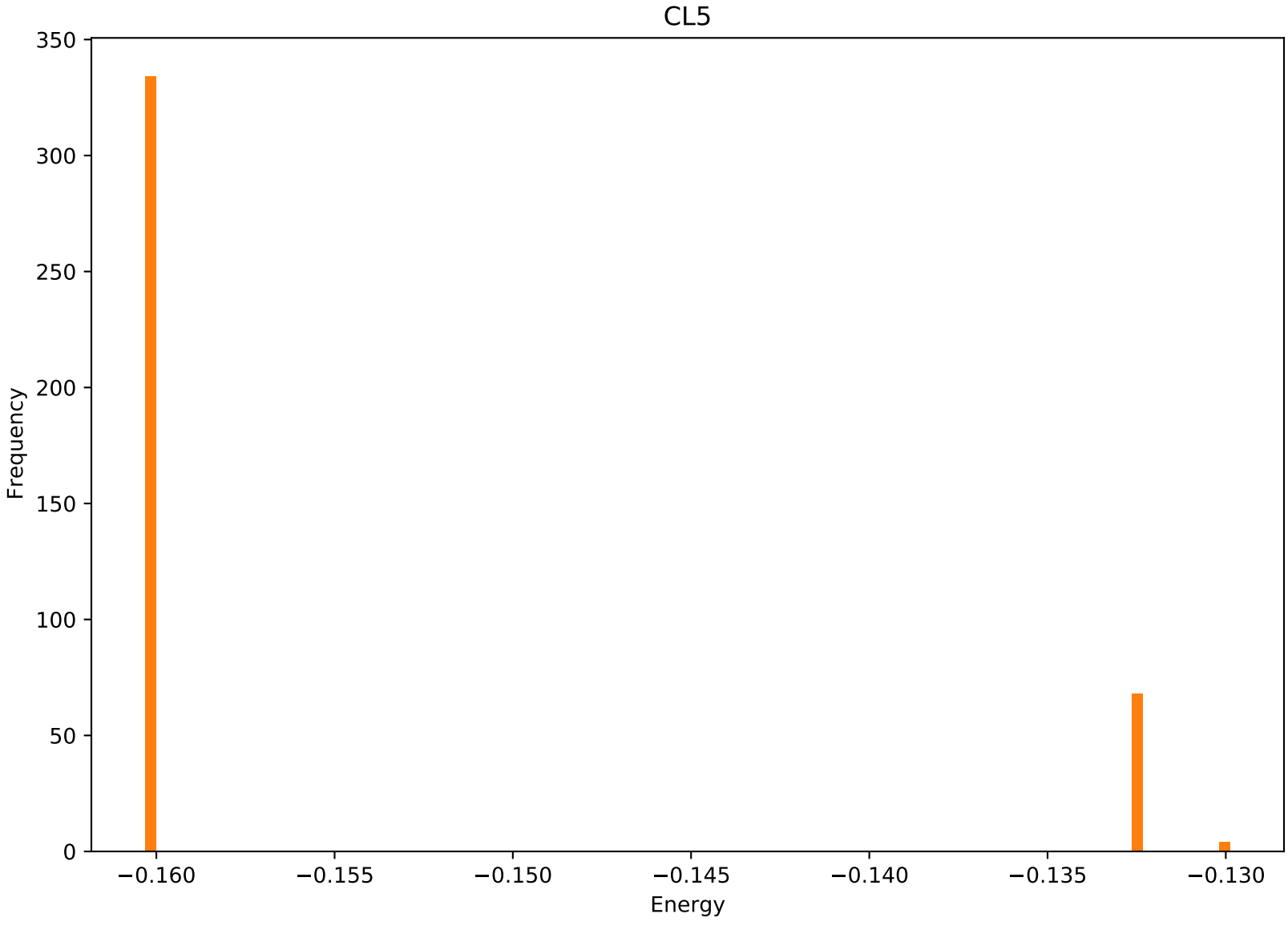

CI9
250
200
150
100
50
0
Frequency
−8
−6
−4
−2
Energy
1e−5

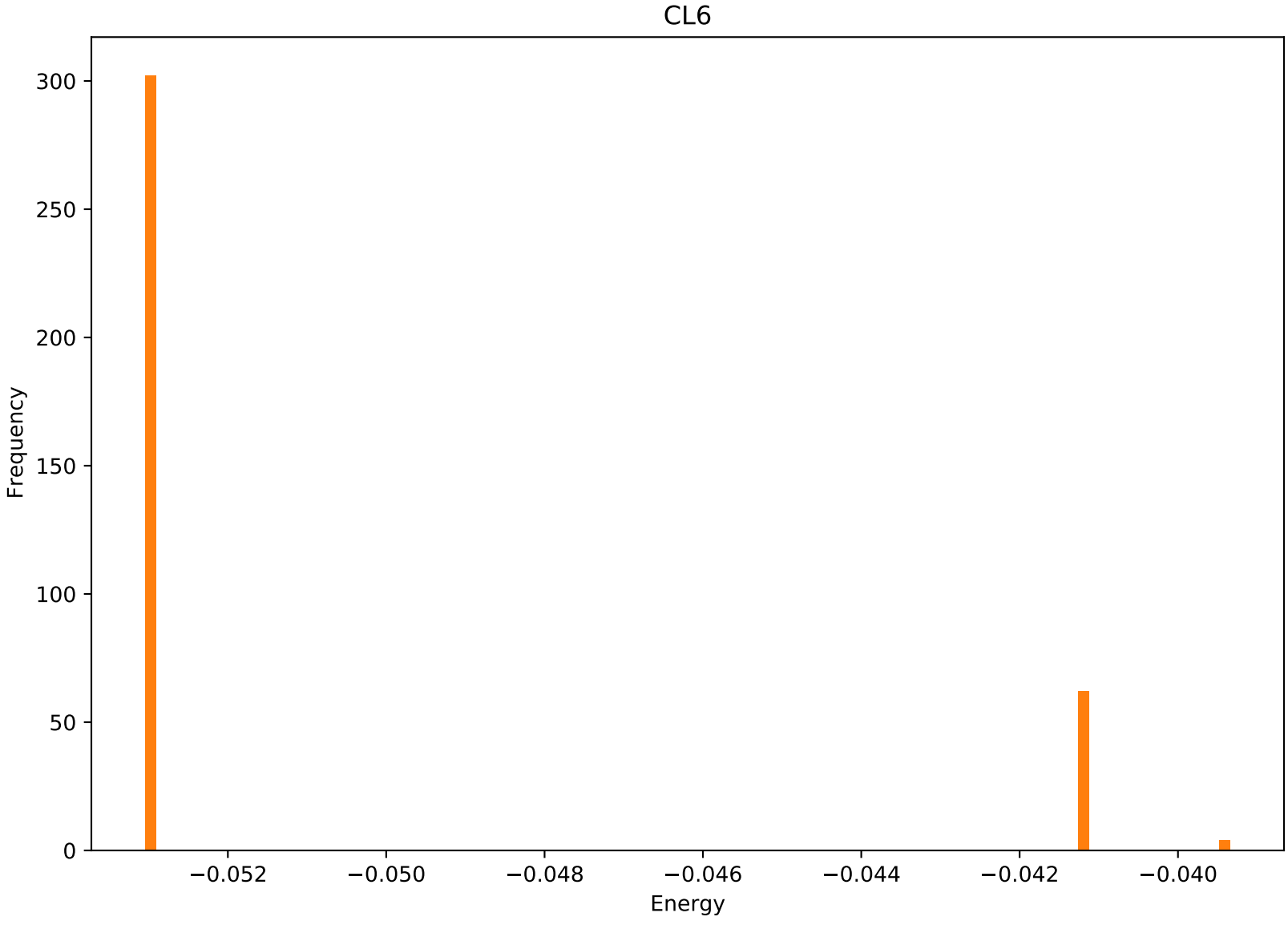

CL1
Frequency
350
300
250
200
150
100
50
0
1.65
1.70
1.75
1.80
1.85
Energy
Baseline:
1.60602

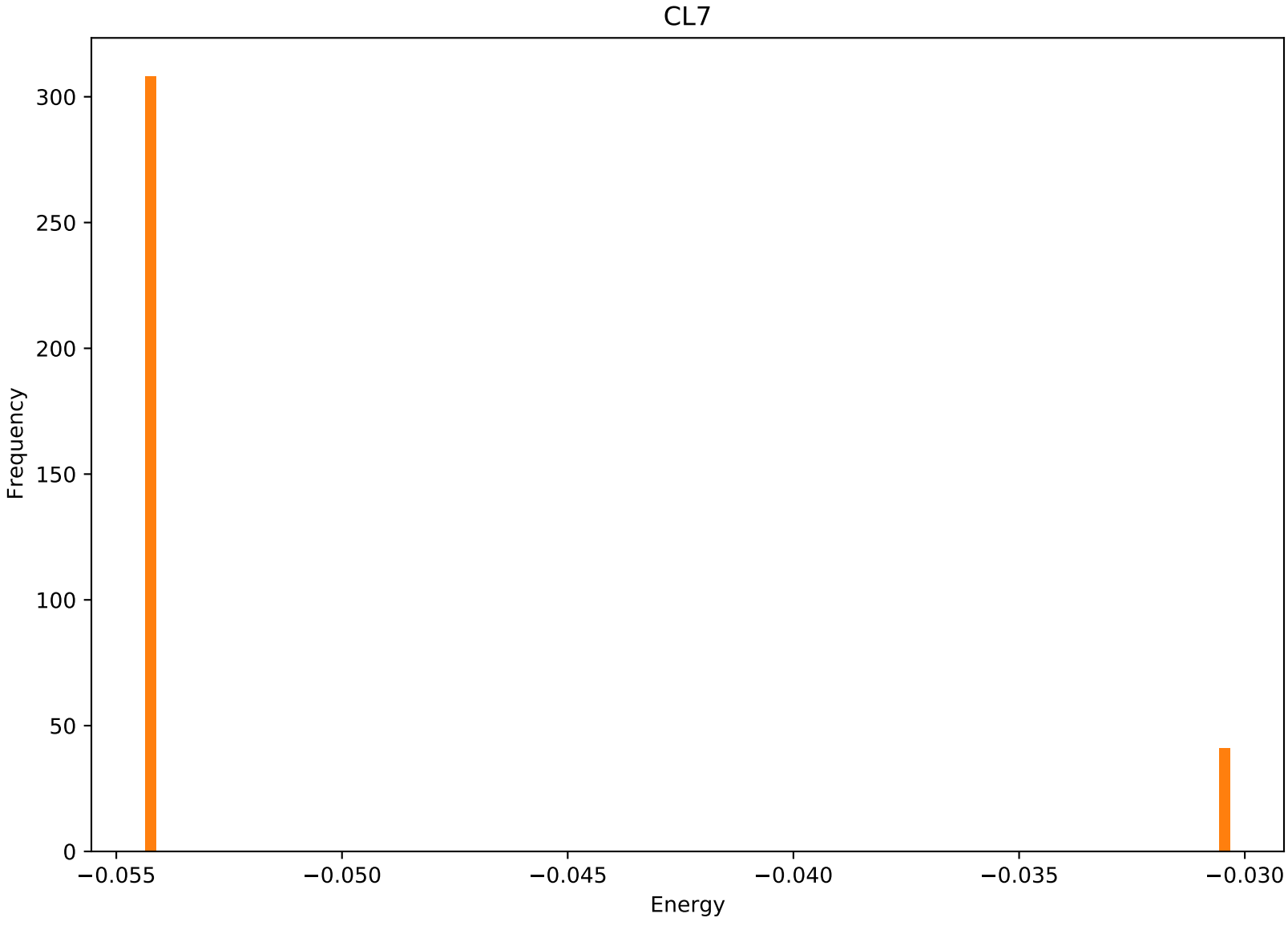

CL2
Frequency
Energy
400
350
300
250
200
150
100
50
0
−0.91
−0.90
−0.89
−0.88
−0.87

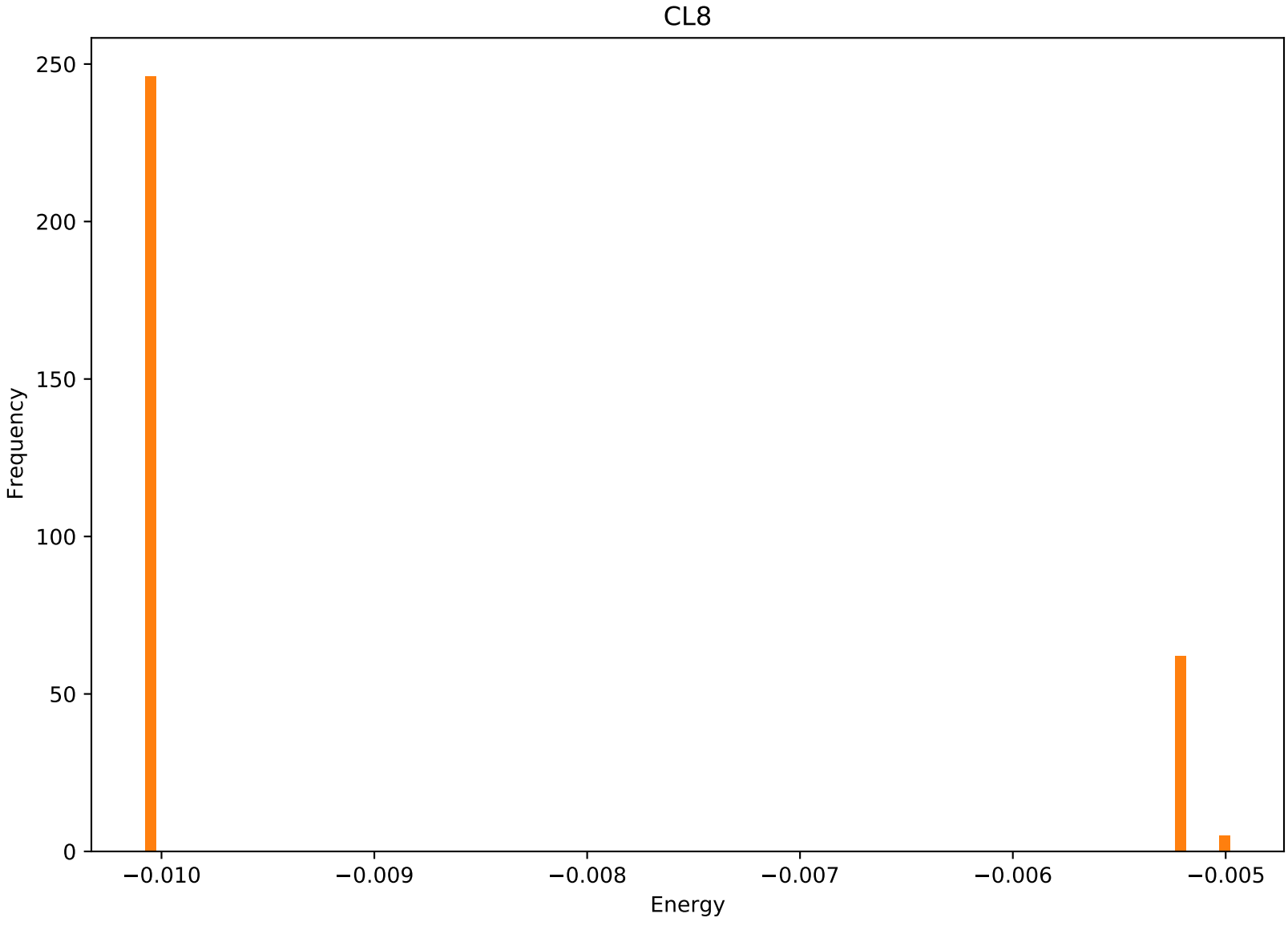

CL3
Frequency
Energy
0
50
100
150
200
250
300
350
−2.1
−2.0
−1.9
−1.8
−1.7

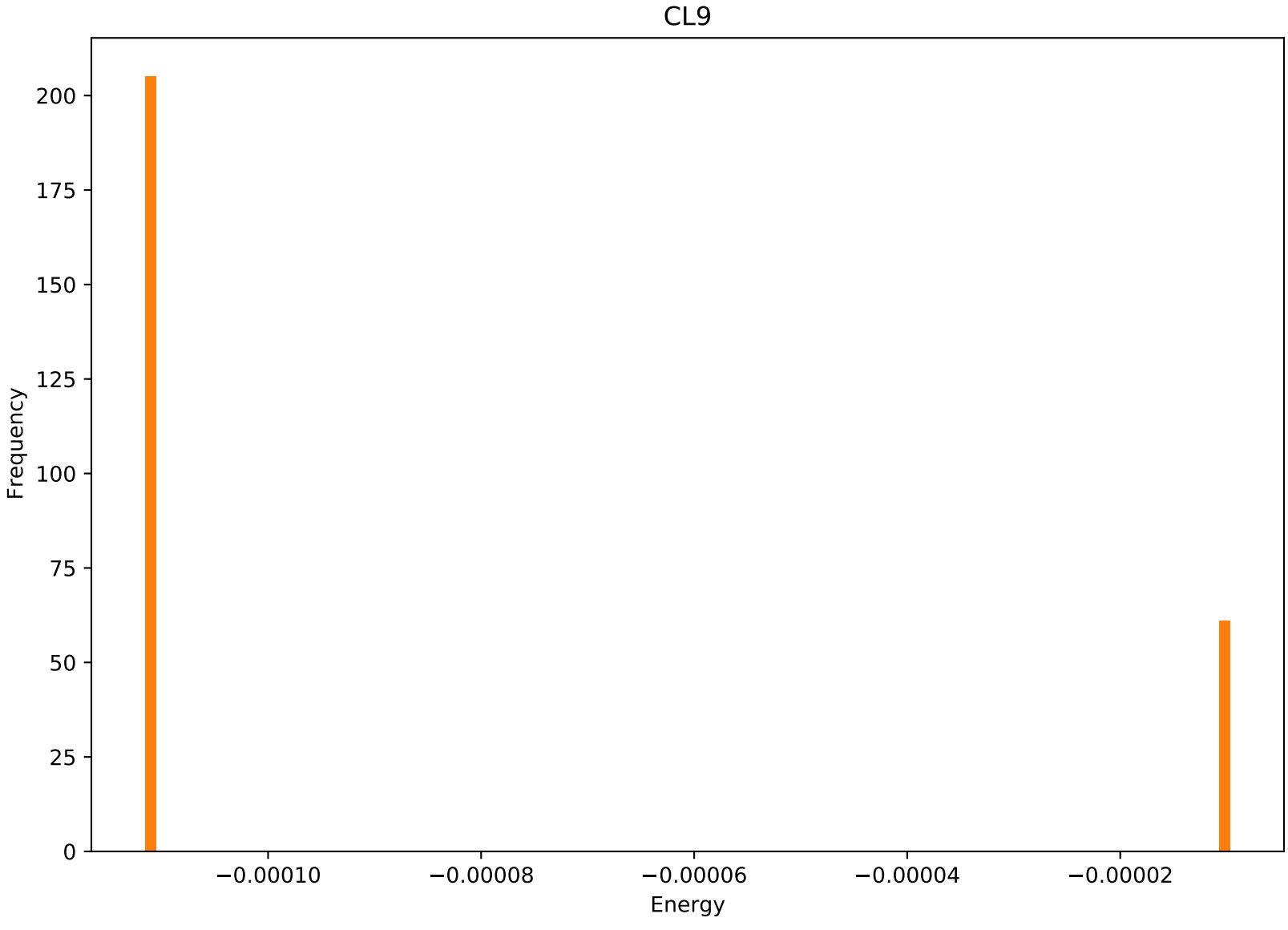

CL4
Frequency
300
250
200
150
100
50
0
Baseline:
-2.81035
−2.90
−2.85
−2.80
−2.75
−2.70
−2.65
−2.60
−2.55
Energy

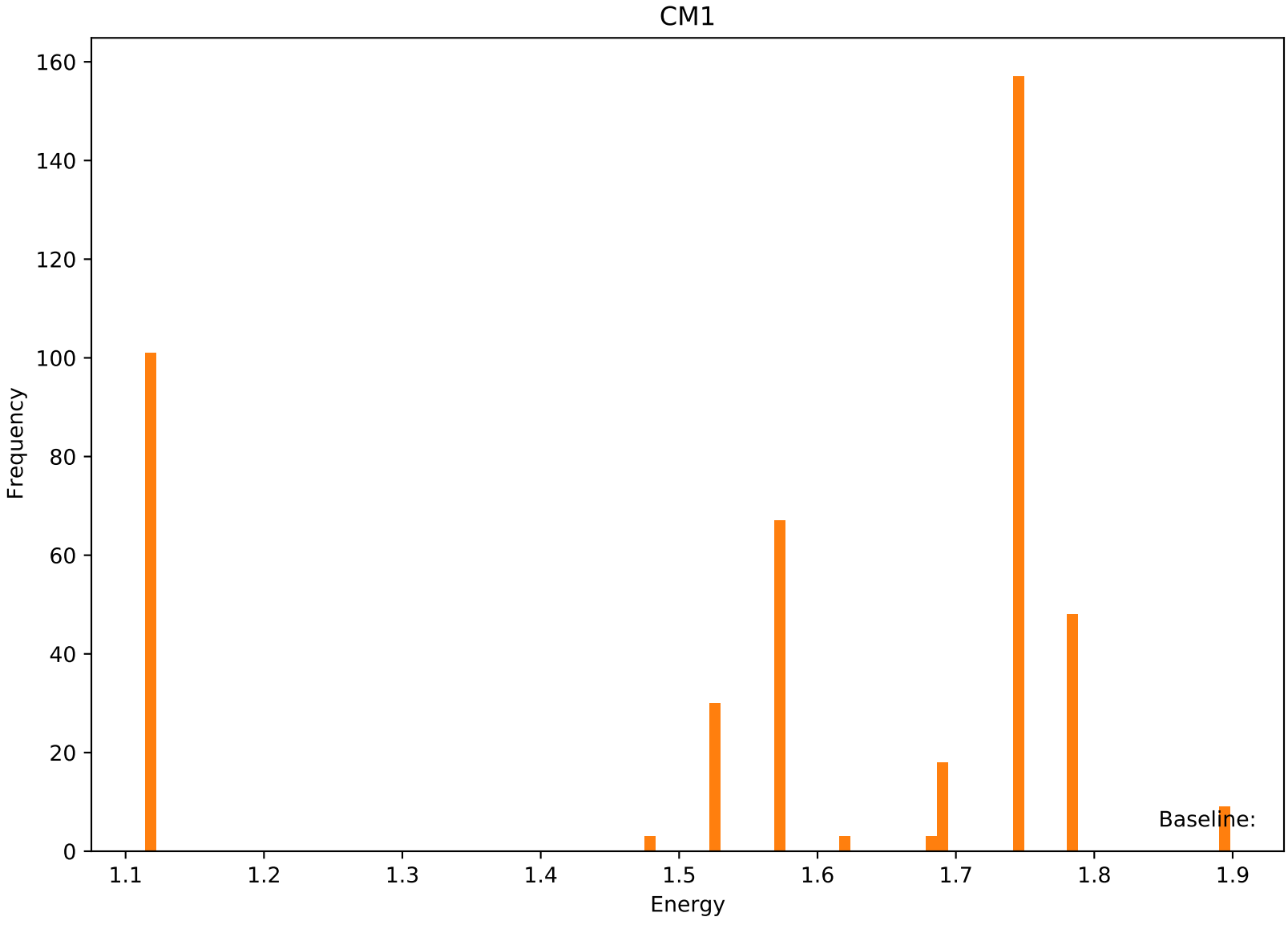

CL5
350
300
250
200
150
100
50
0
Frequency
−0.160
−0.155
−0.150
−0.145
−0.140
−0.135
−0.130
Energy

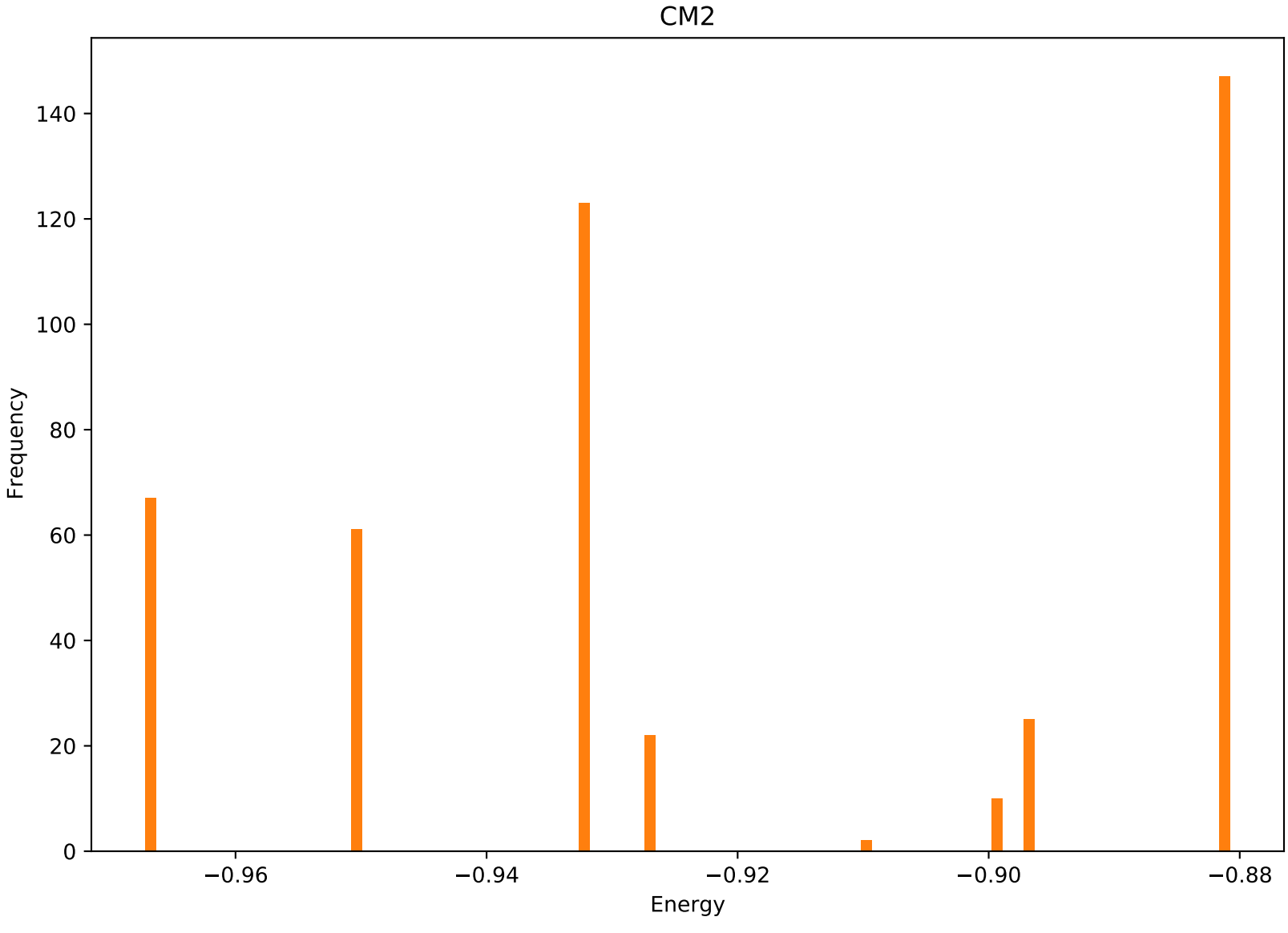

CL6
Frequency
300
250
200
150
100
50
0
−0.052
−0.050
−0.048
−0.046
−0.044
−0.042
−0.040
Energy

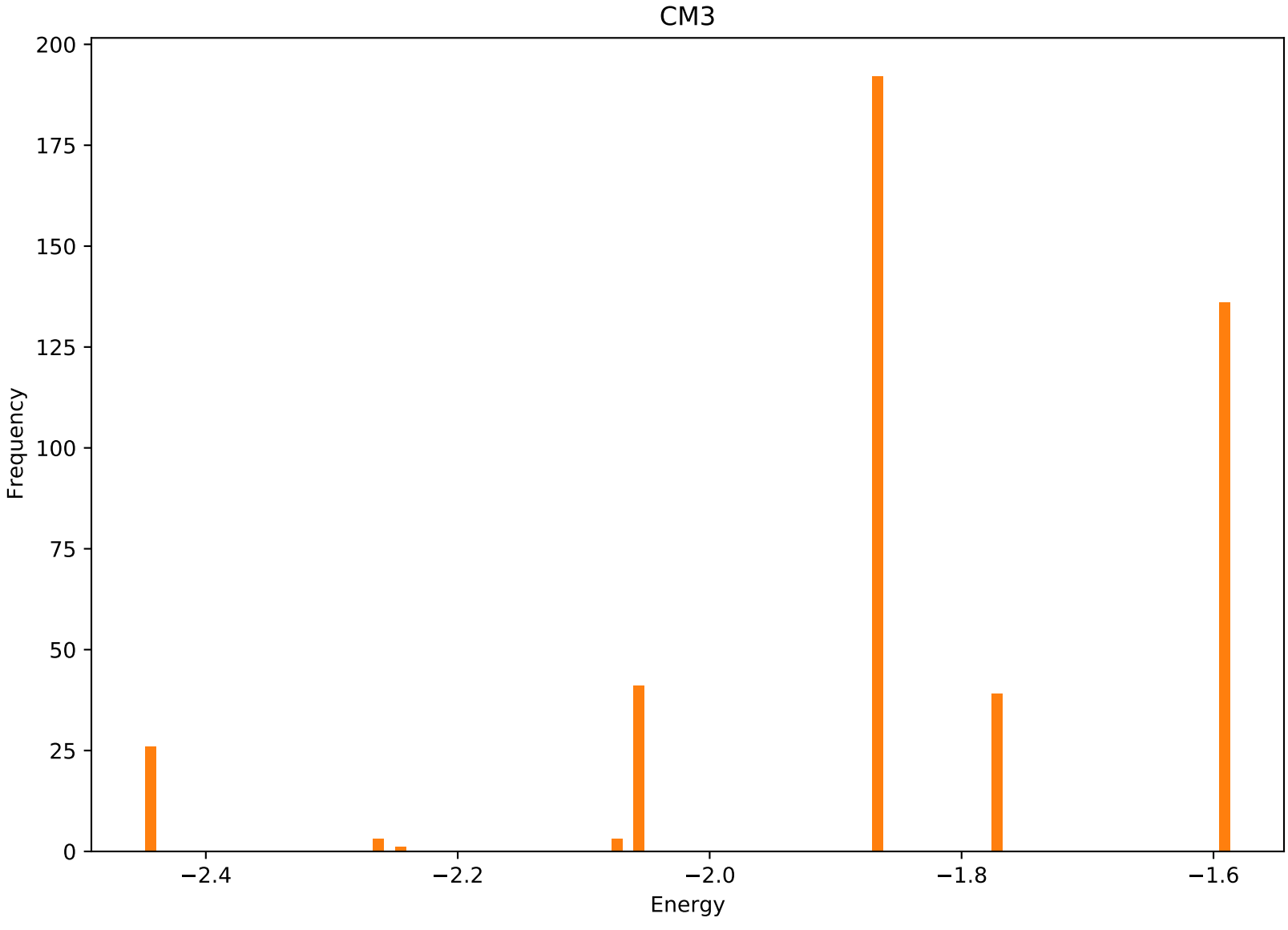

CL7
Frequency
300
250
200
150
100
50
0
−0.055
−0.050
−0.045
−0.040
−0.035
−0.030
Energy

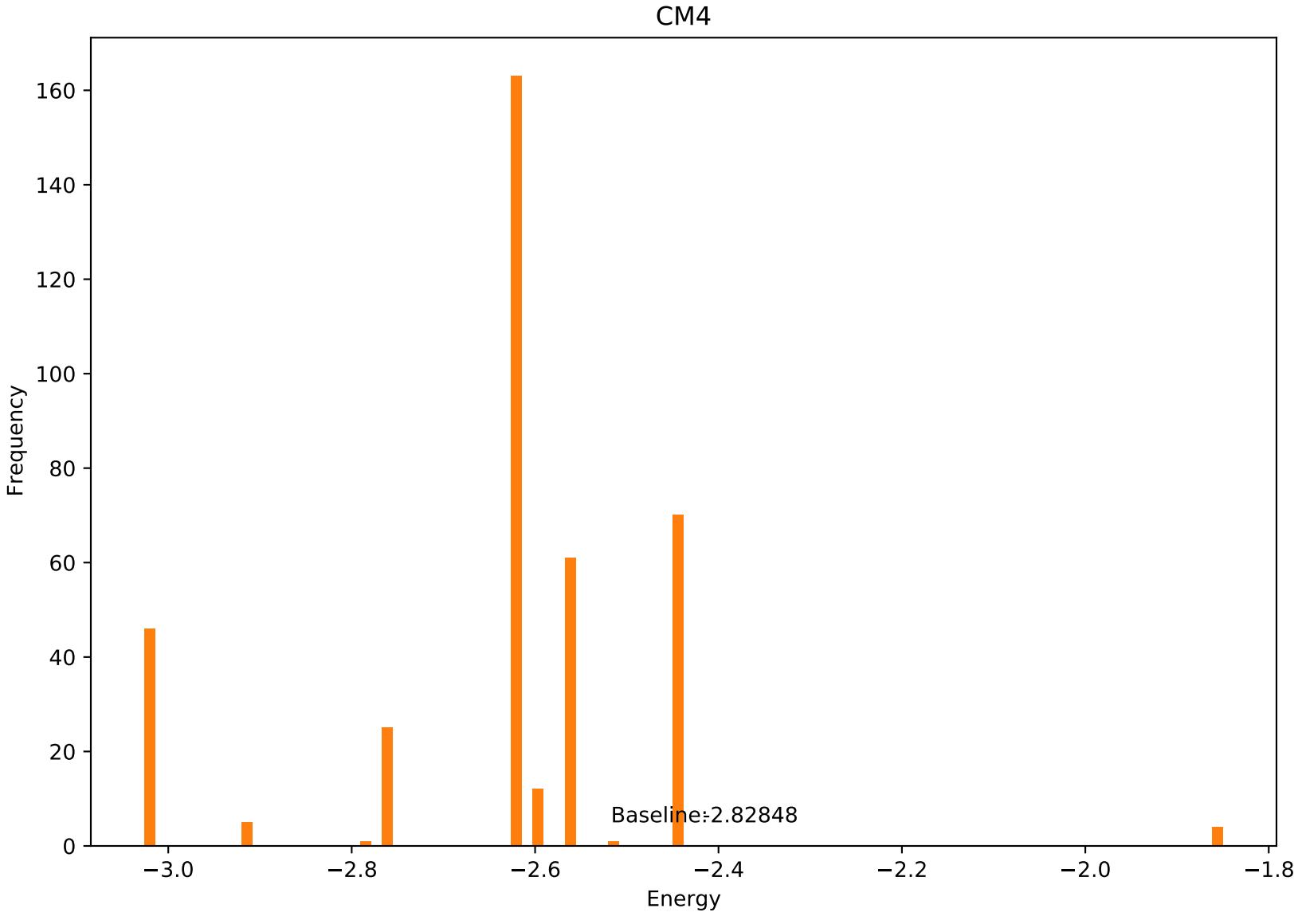

CL8
250
200
150
100
50
0
Frequency
−0.010
−0.009
−0.008
−0.007
−0.006
−0.005
Energy

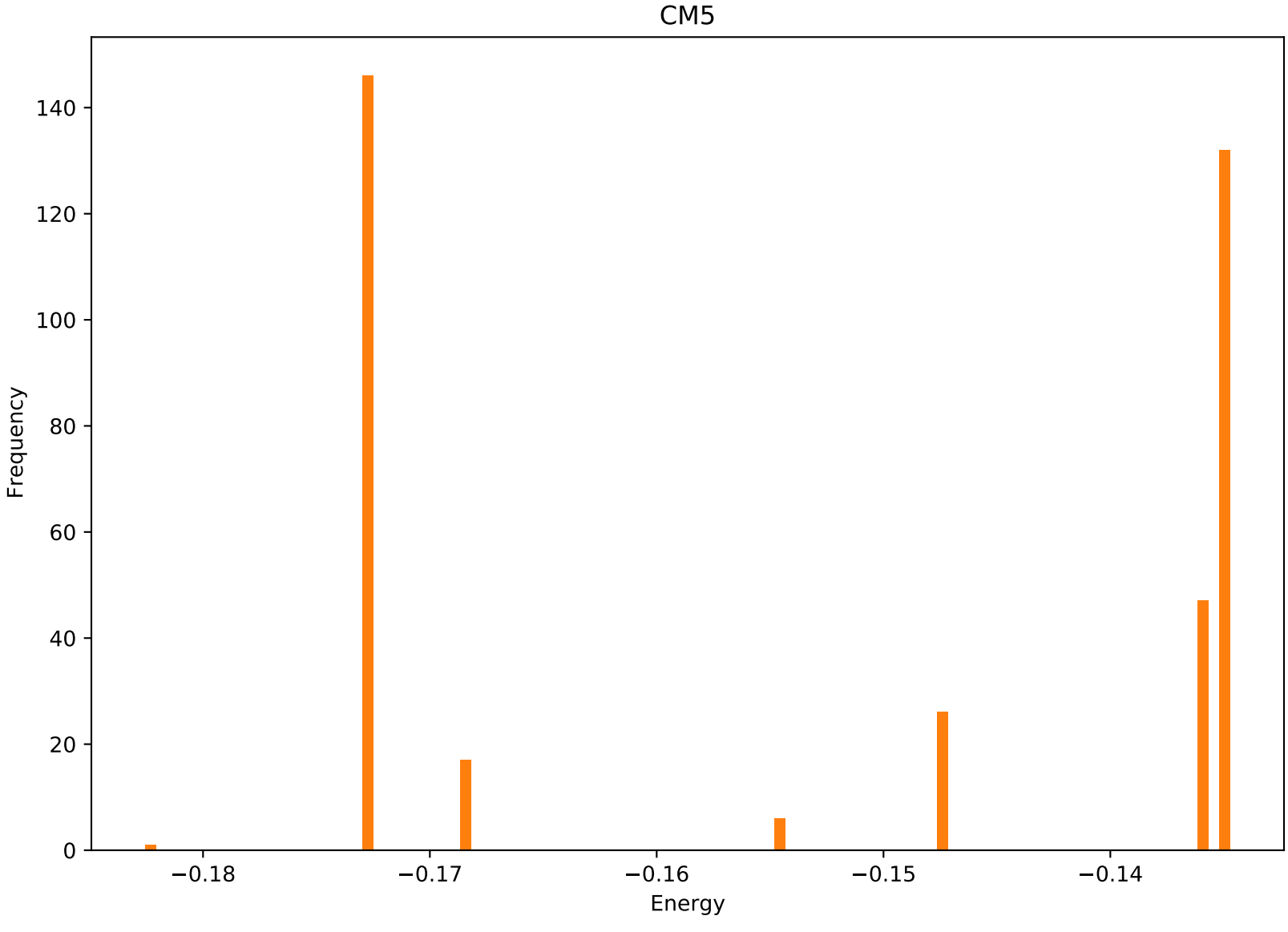

CL9
Frequency
200
175
150
125
100
75
50
25
0
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
Energy

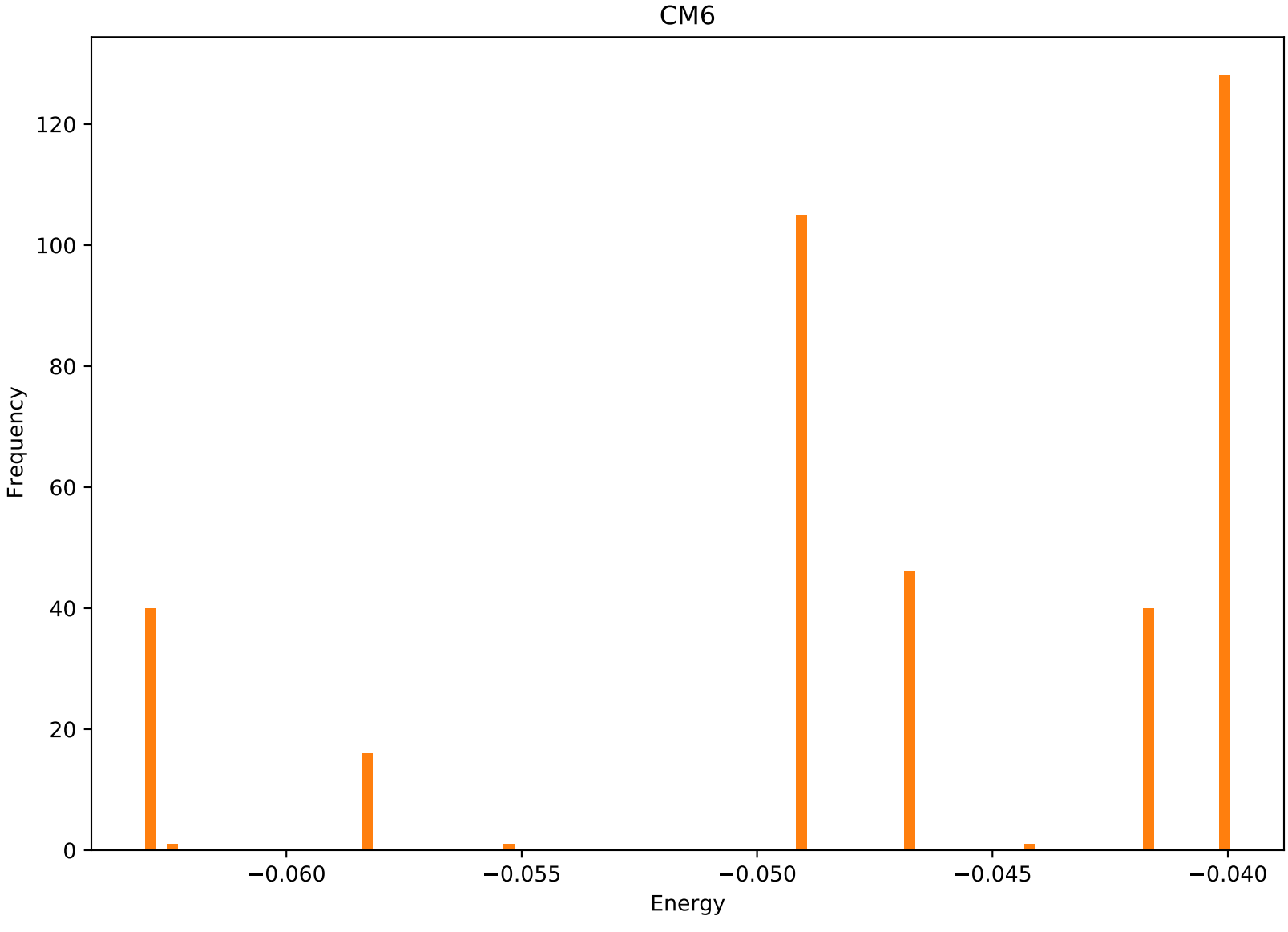

CM1
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
160
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9

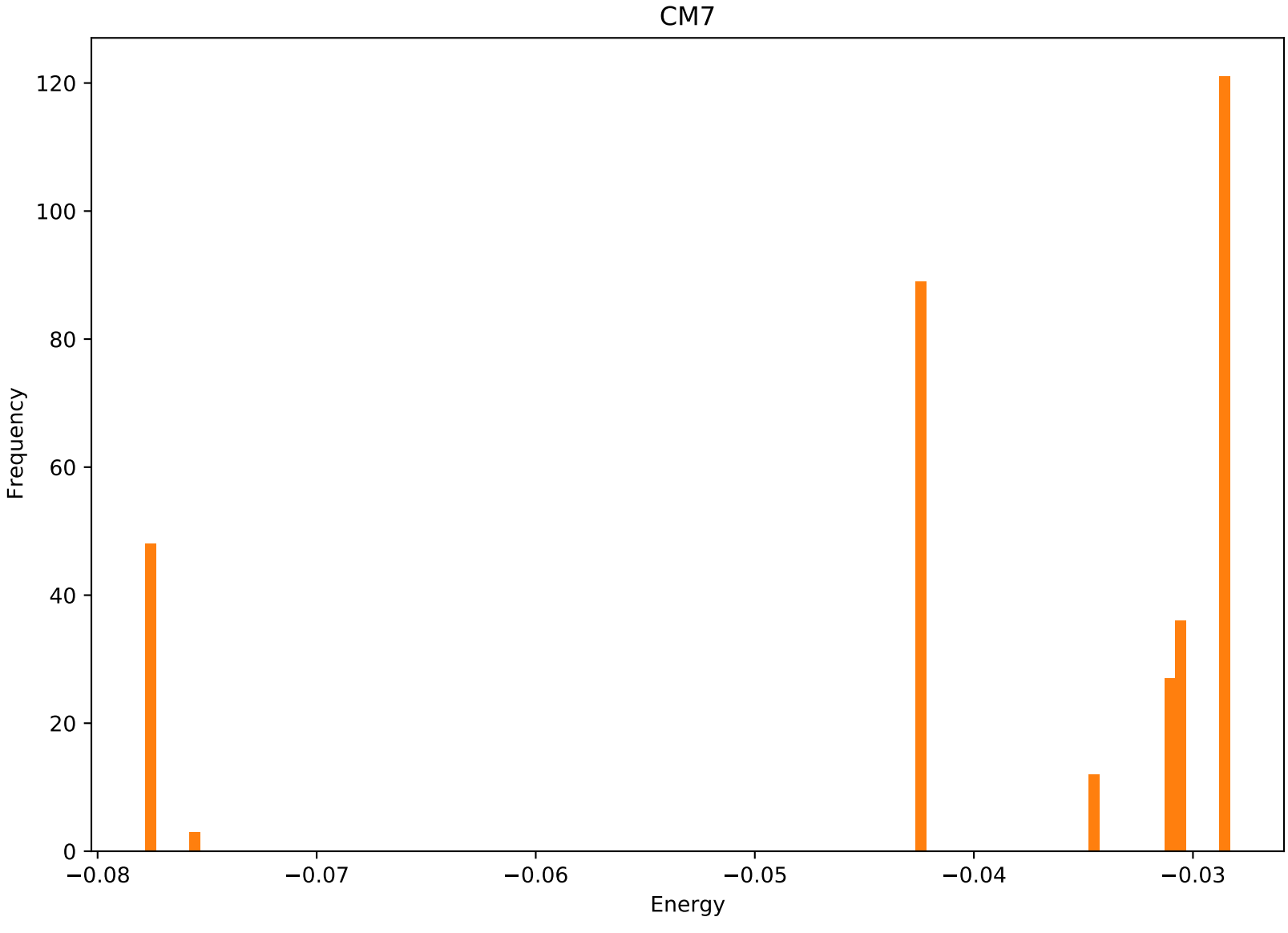

CM2
Frequency
Energy
0
20
40
60
80
100
120
140
−0.96
−0.94
−0.92
−0.90
−0.88

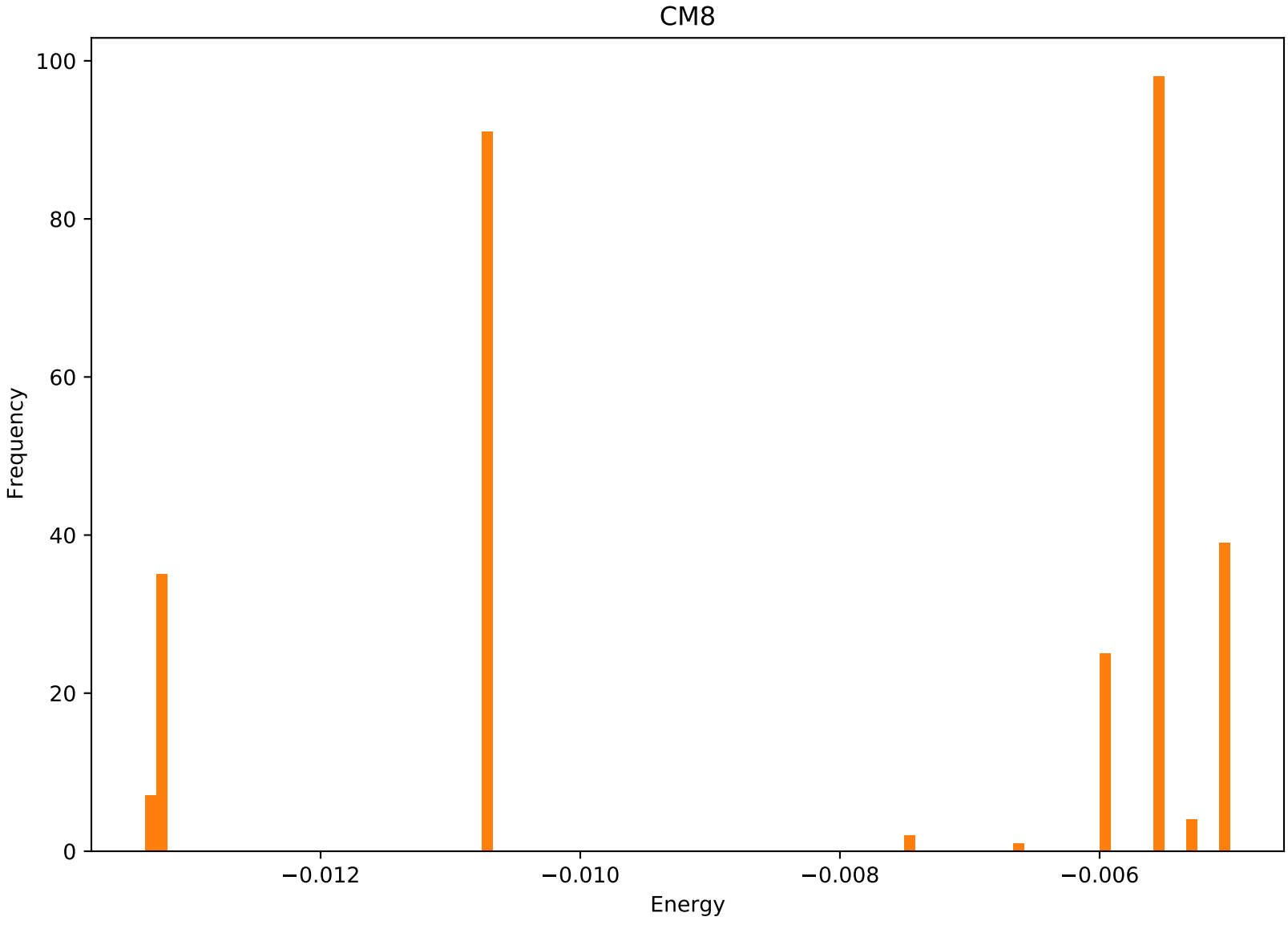

CM3
200
175
150
125
100
75
50
25
0
Frequency
−2.4
−2.2
−2.0
−1.8
−1.6
Energy

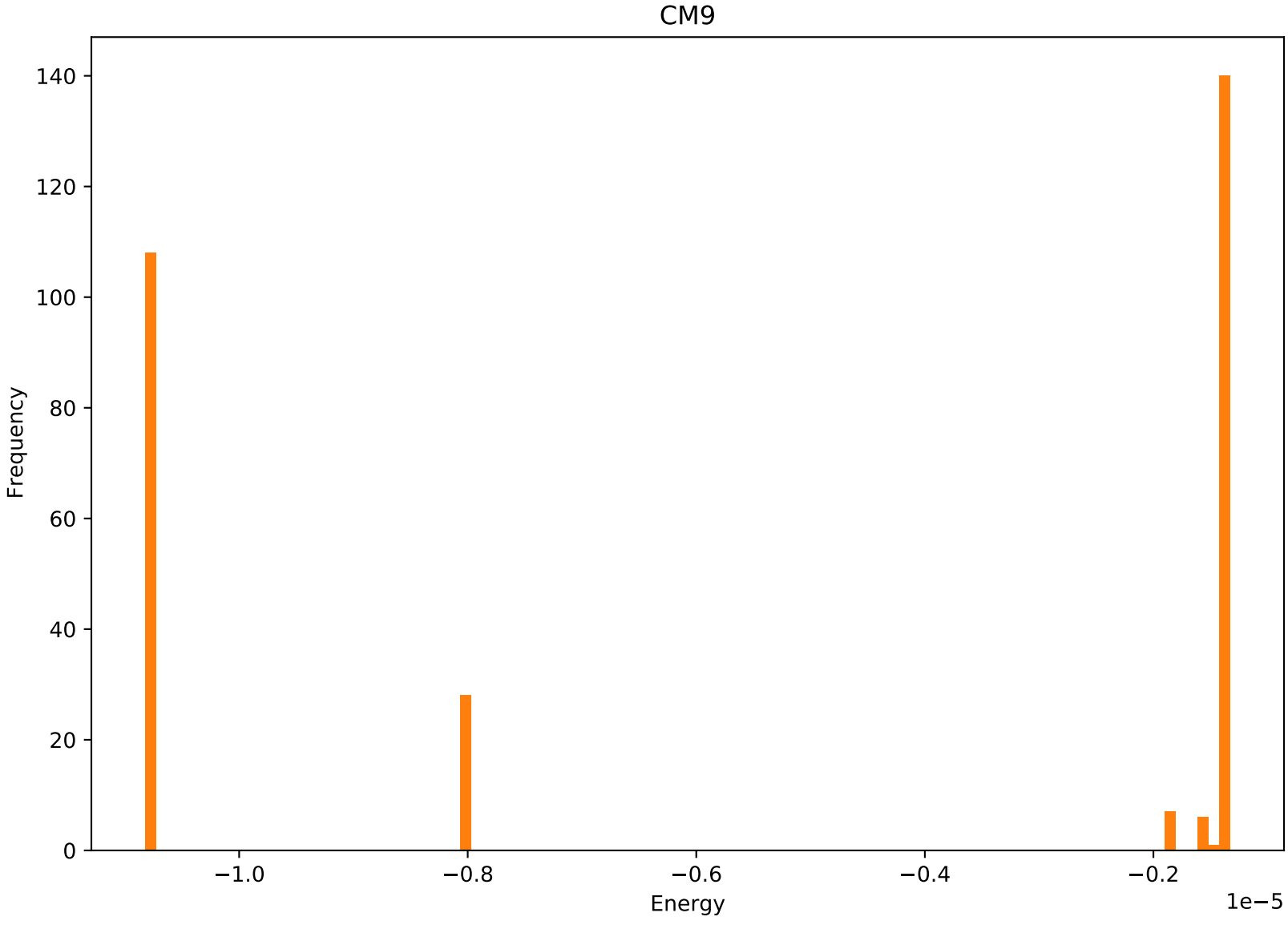

CM4
Frequency
Energy
Baseline: -2.82848
0
20
40
60
80
100
120
140
160
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

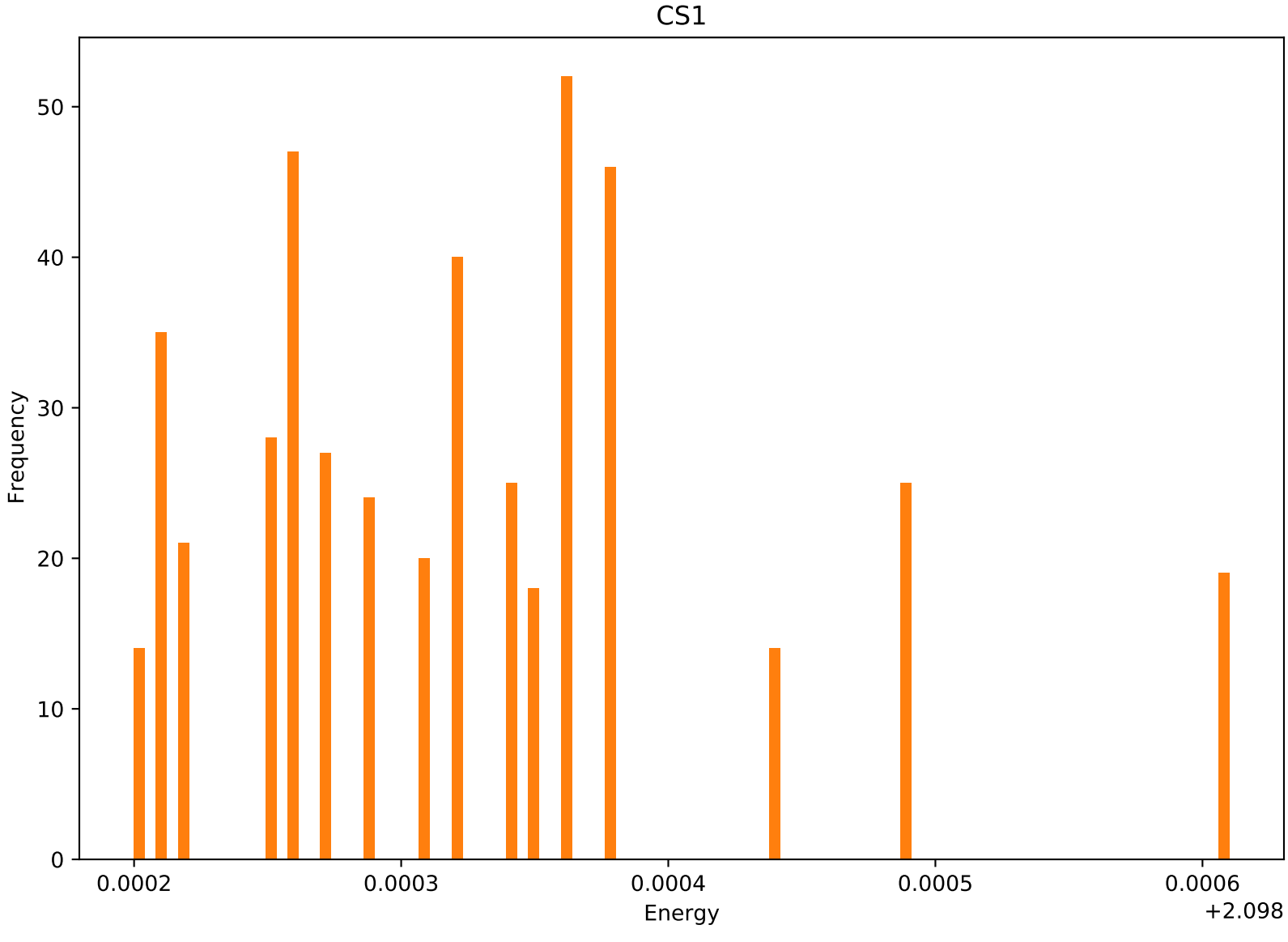

CM5
Frequency
0
20
40
60
80
100
120
140
−0.18
−0.17
−0.16
−0.15
−0.14
Energy

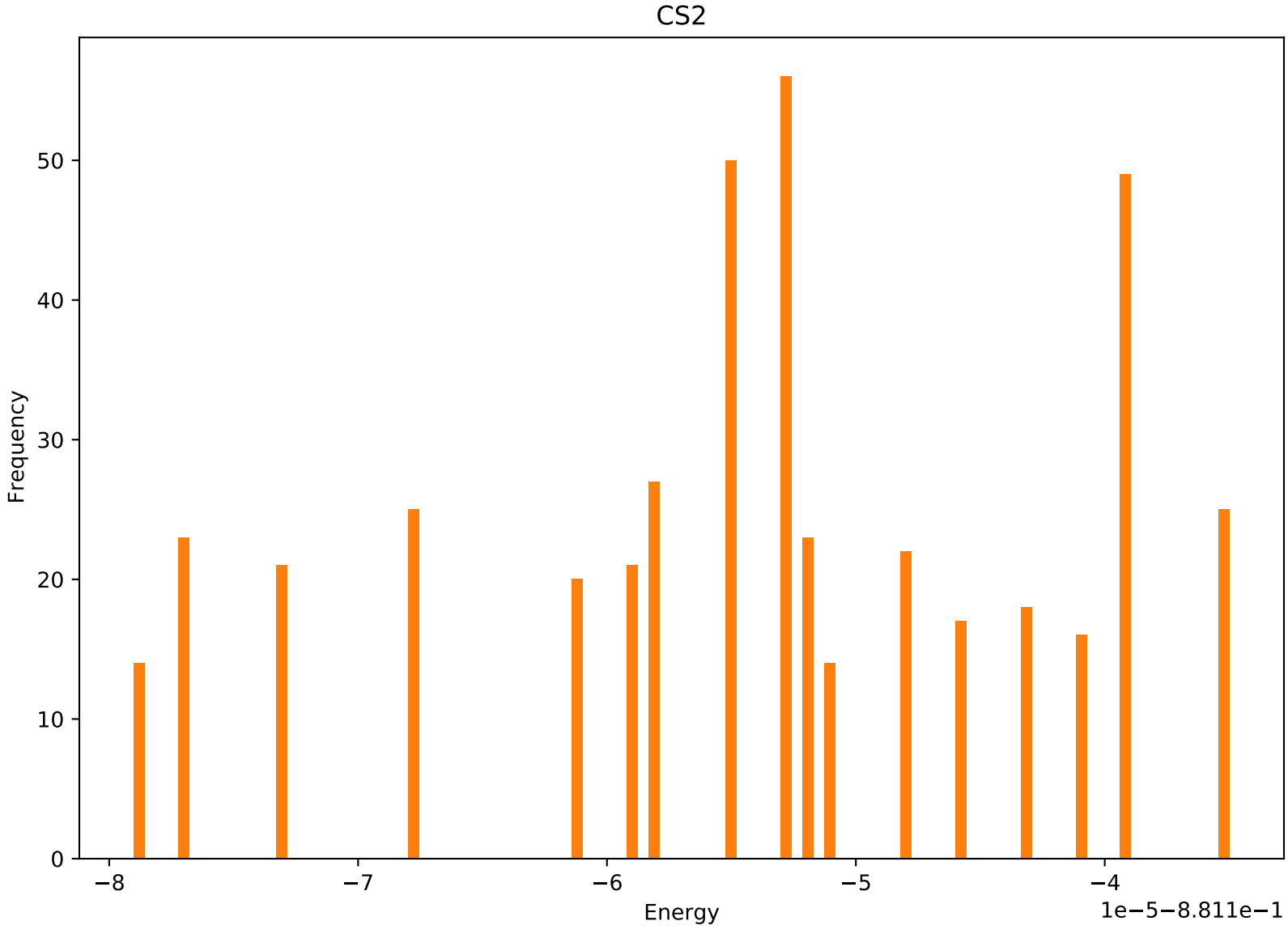

CM6
Frequency
Energy
0
20
40
60
80
100
120
−0.060
−0.055
−0.050
−0.045
−0.040

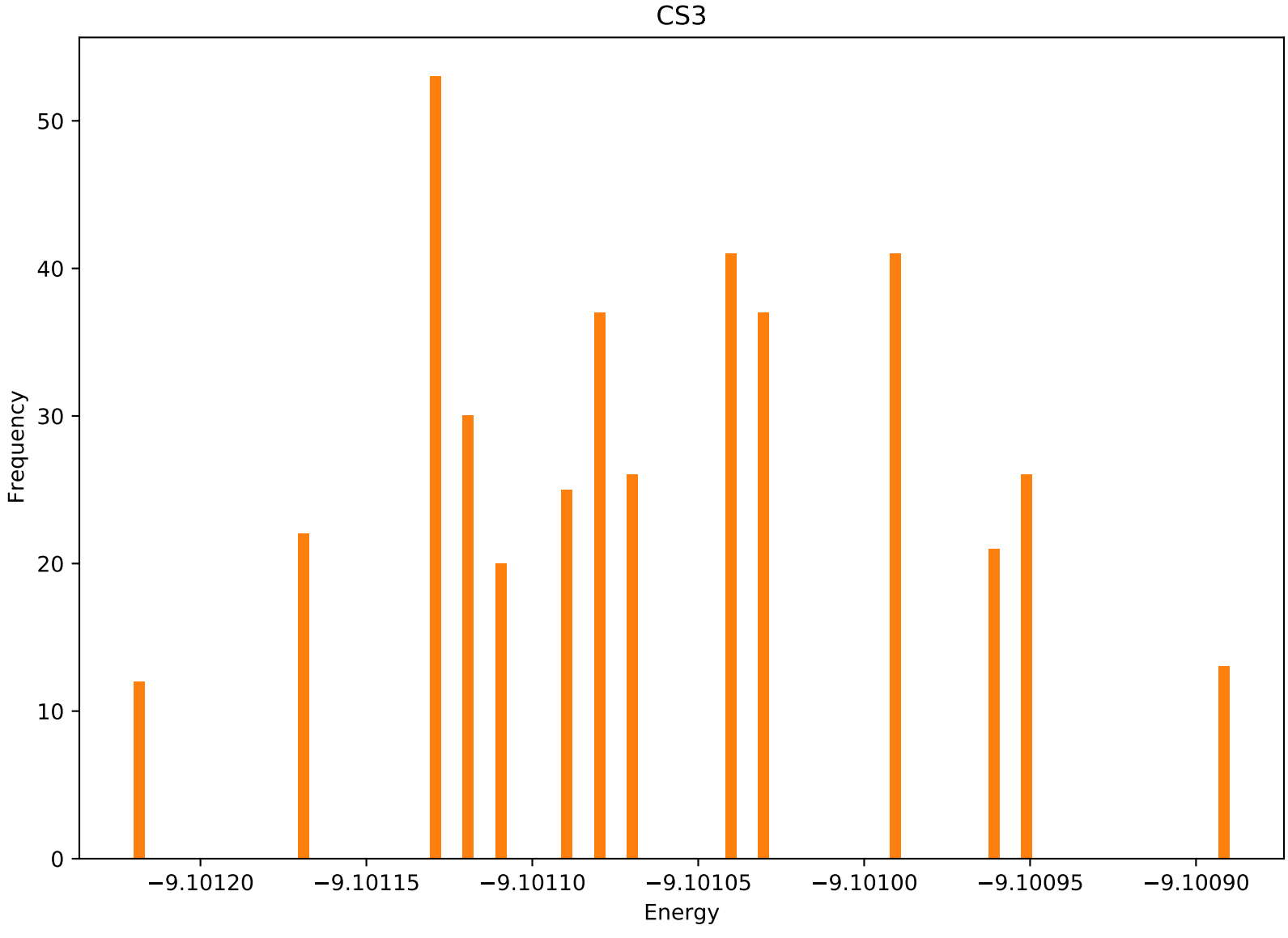

CM7
Frequency
Energy
0
20
40
60
80
100
120
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03

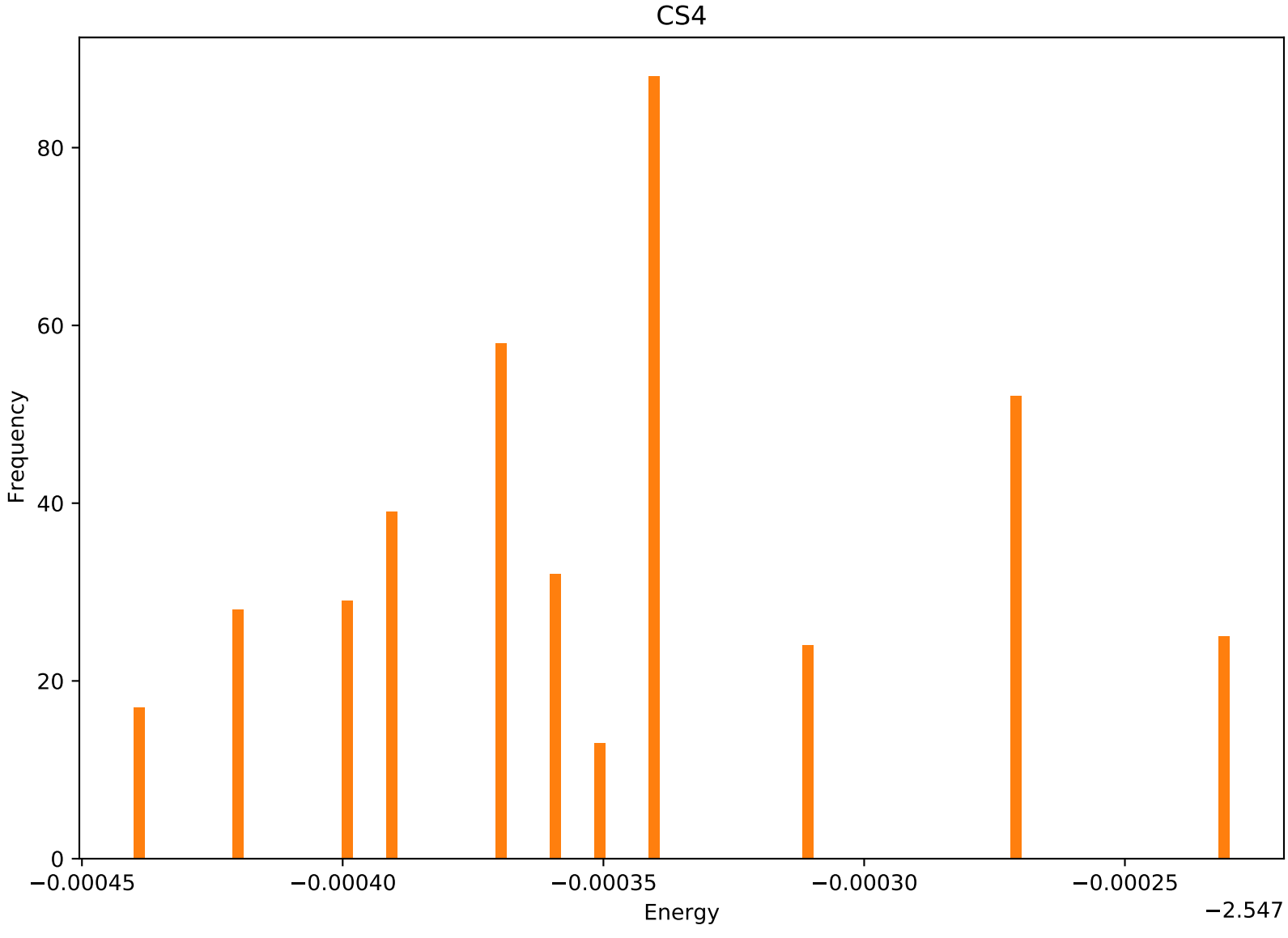

CM8
Frequency
Energy
0
20
40
60
80
100
−0.012
−0.010
−0.008
−0.006

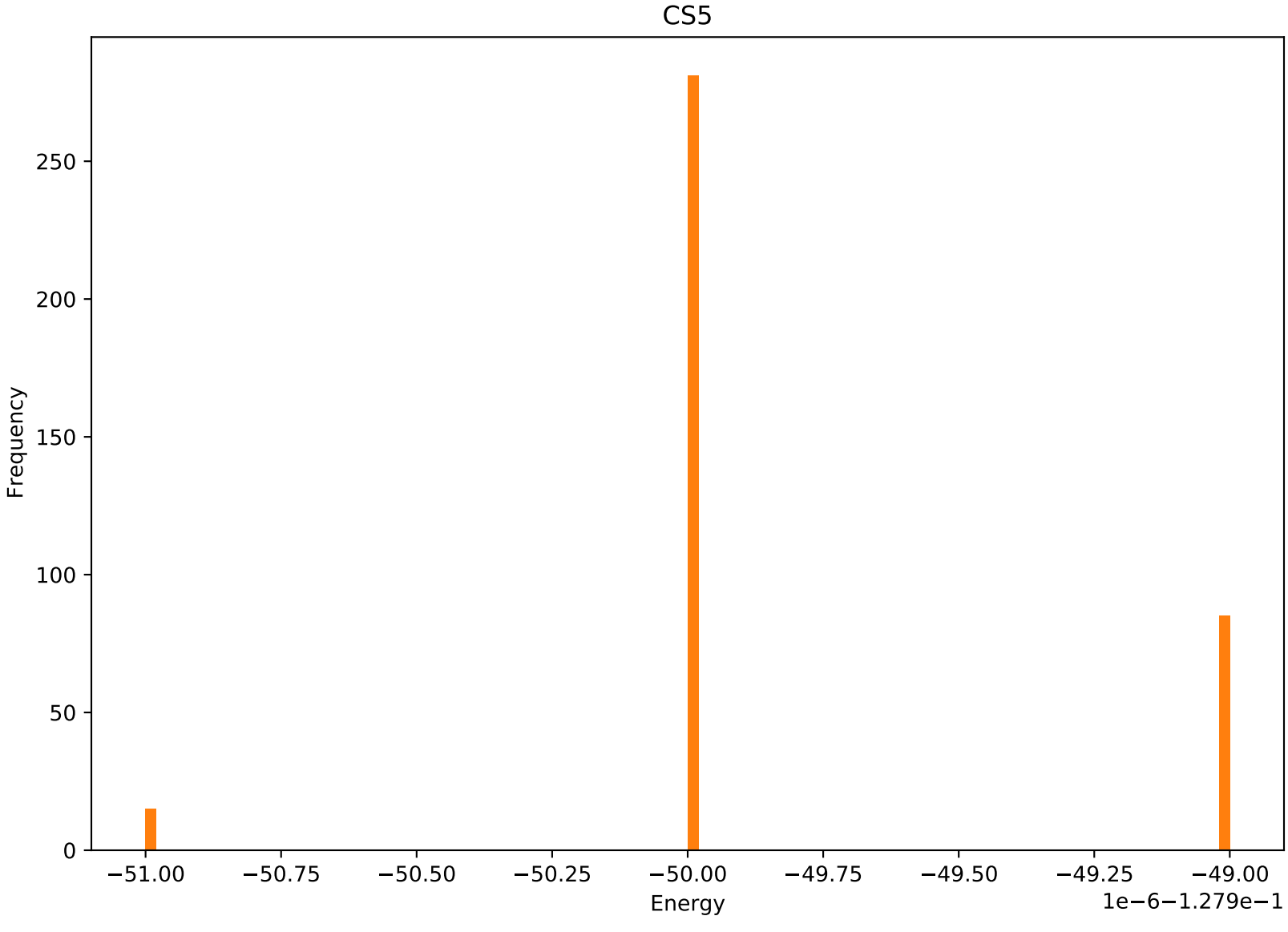

CM9
Frequency
140
120
100
80
60
40
20
0
−1.0
−0.8
−0.6
−0.4
−0.2
Energy
1e−5

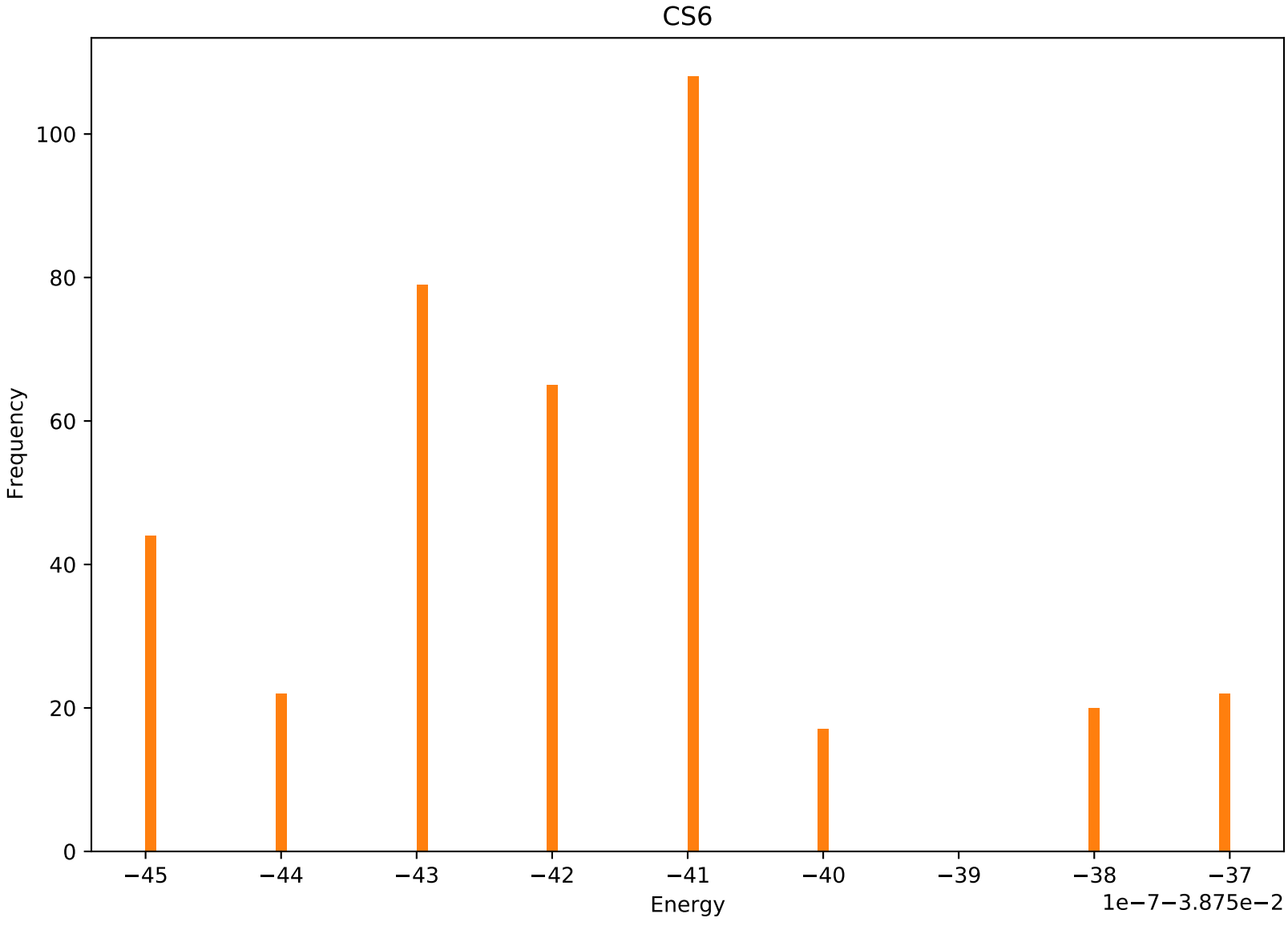

CS1
Frequency
0
10
20
30
40
50
0.0002
0.0003
0.0004
0.0005
0.0006
Energy
+2.098

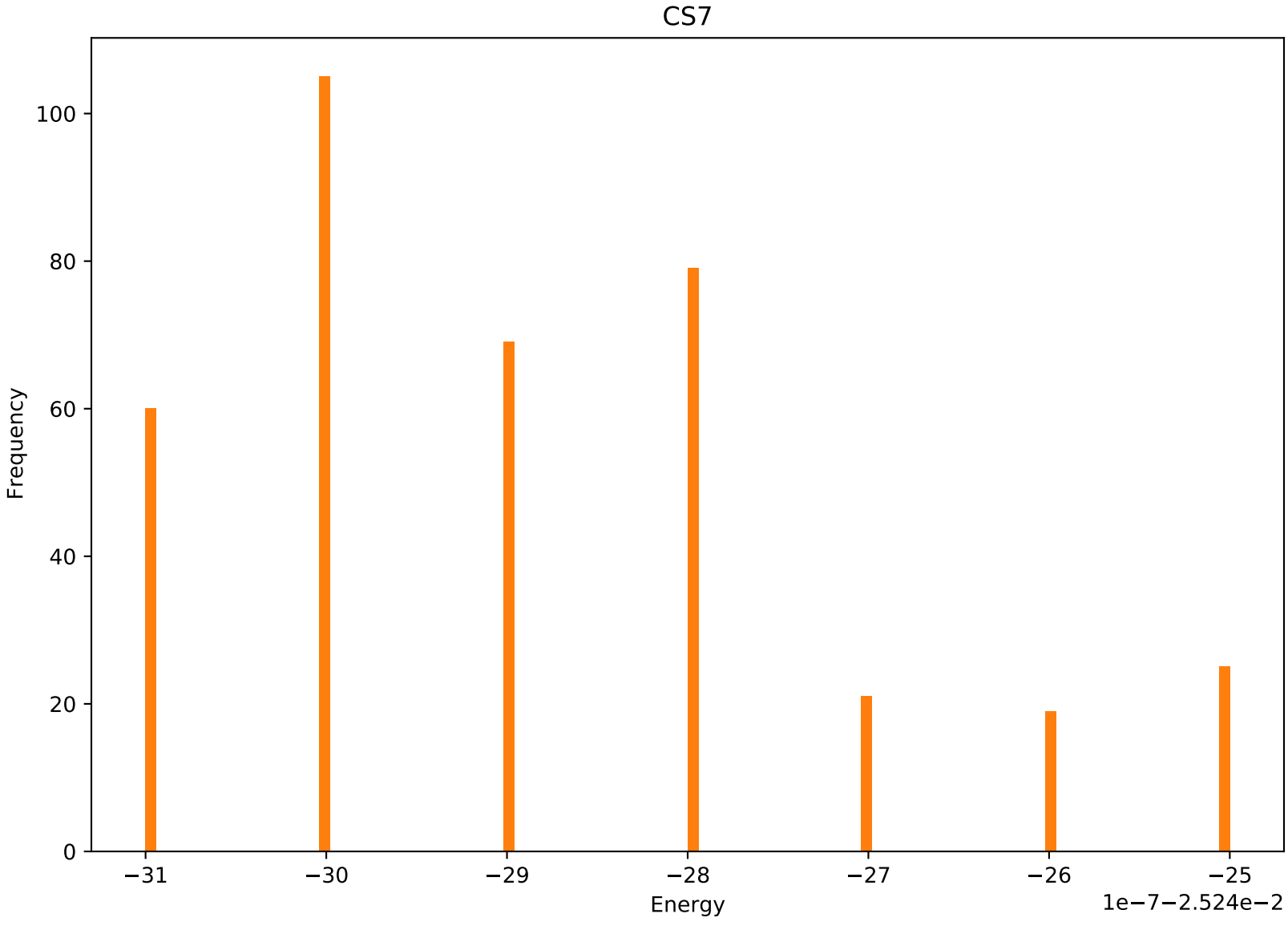

CS2
Frequency
0
10
20
30
40
50
−8
−7
−6
−5
−4
Energy
1e−5−8.811e−1

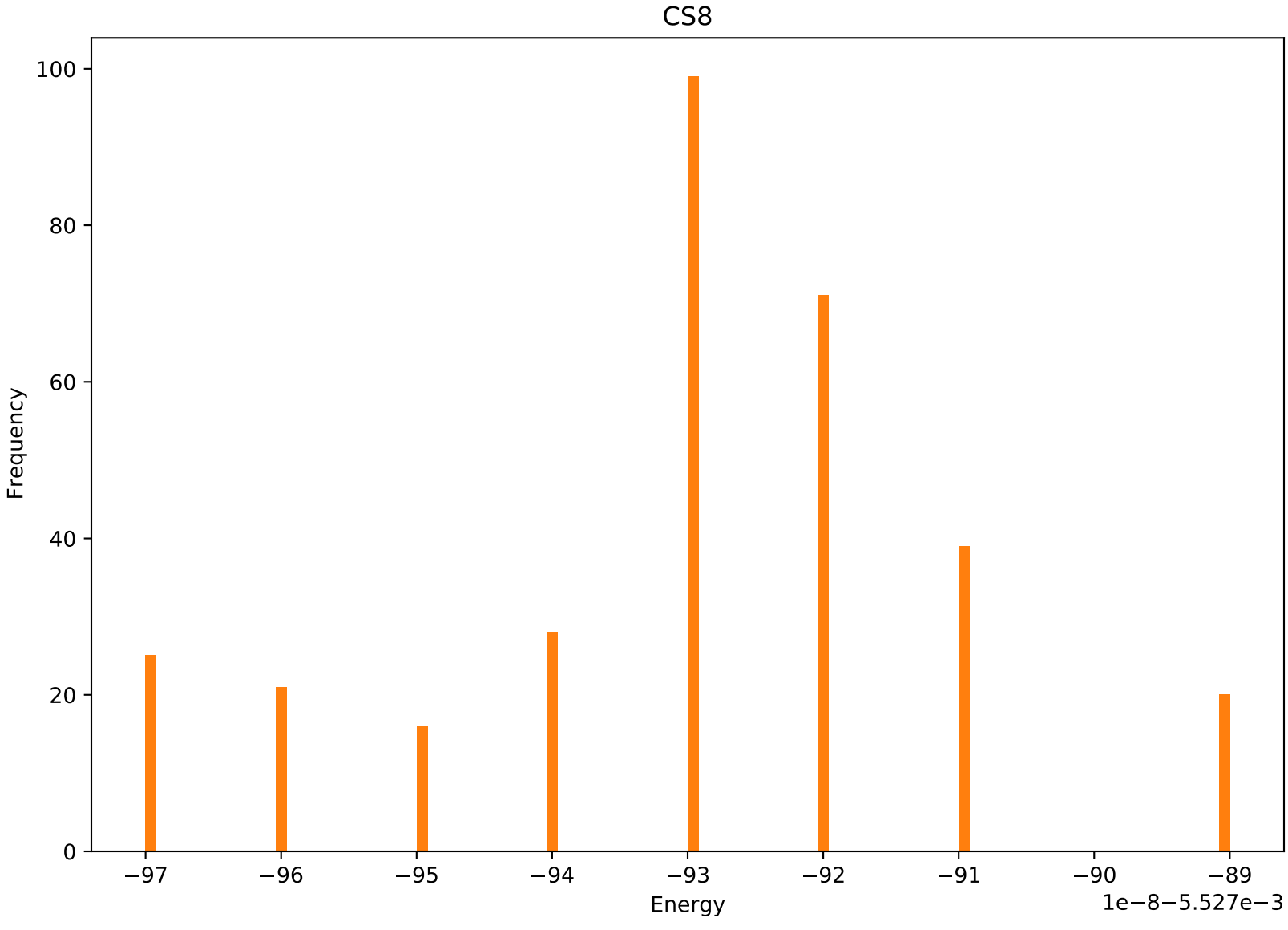

CS3
Frequency
0
10
20
30
40
50
−9.10120
−9.10115
−9.10110
−9.10105
−9.10100
−9.10095
−9.10090
Energy

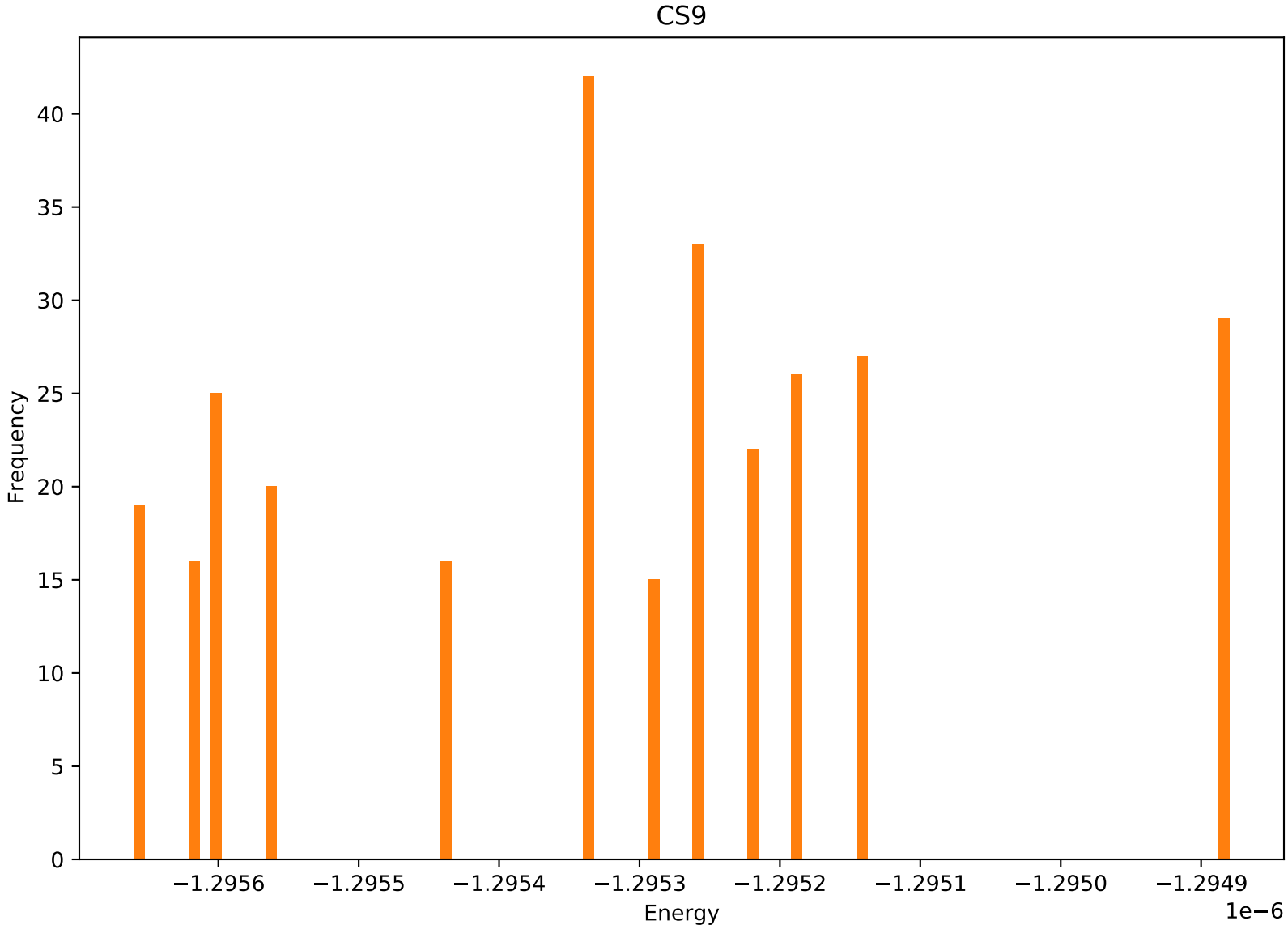

CS4
Frequency
0
20
40
60
80
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
Energy
−2.547

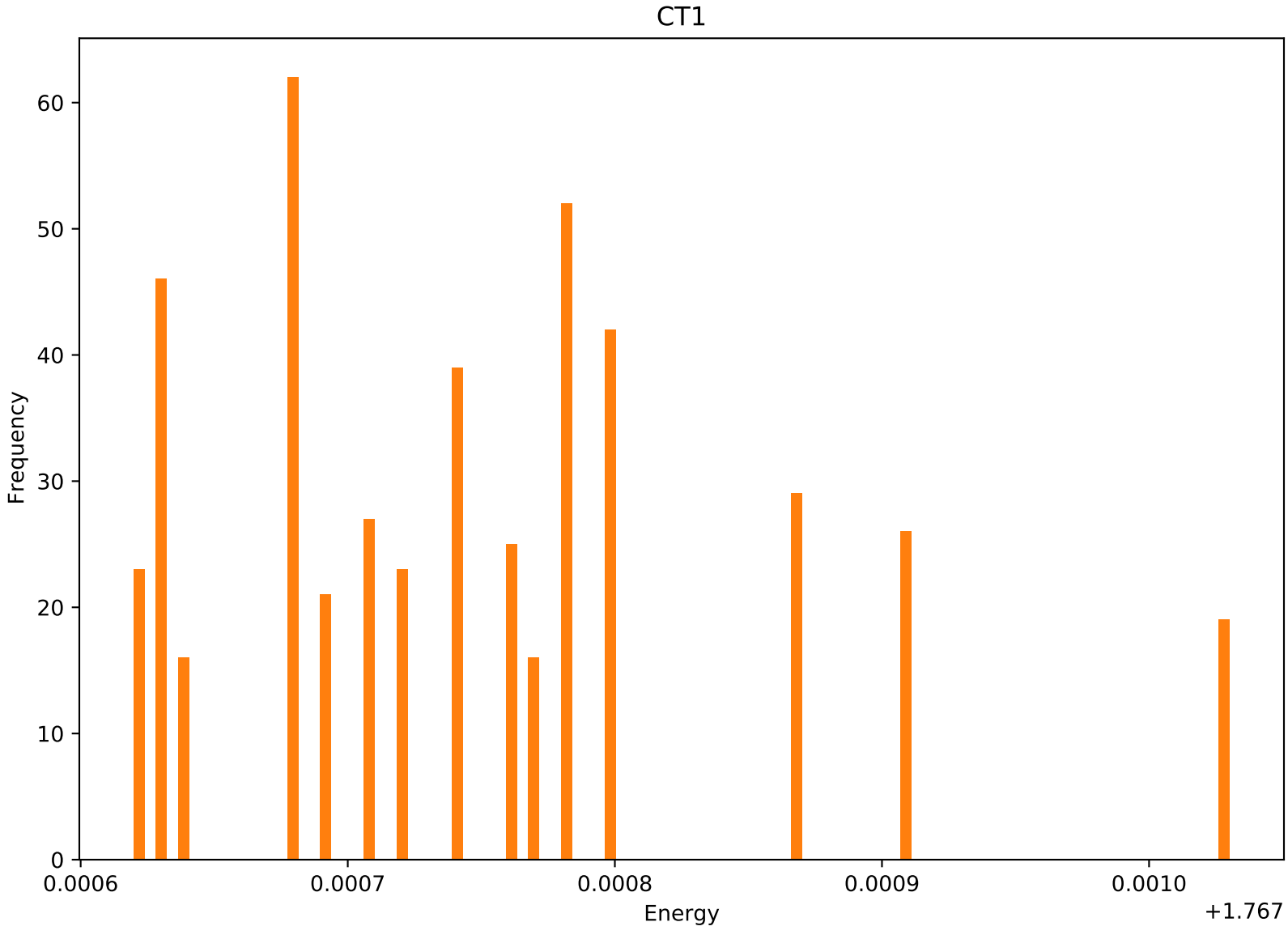

CS5
Frequency
250
200
150
100
50
0
−51.00
−50.75
−50.50
−50.25
−50.00
−49.75
−49.50
−49.25
−49.00
Energy
1e−6−1.279e−1

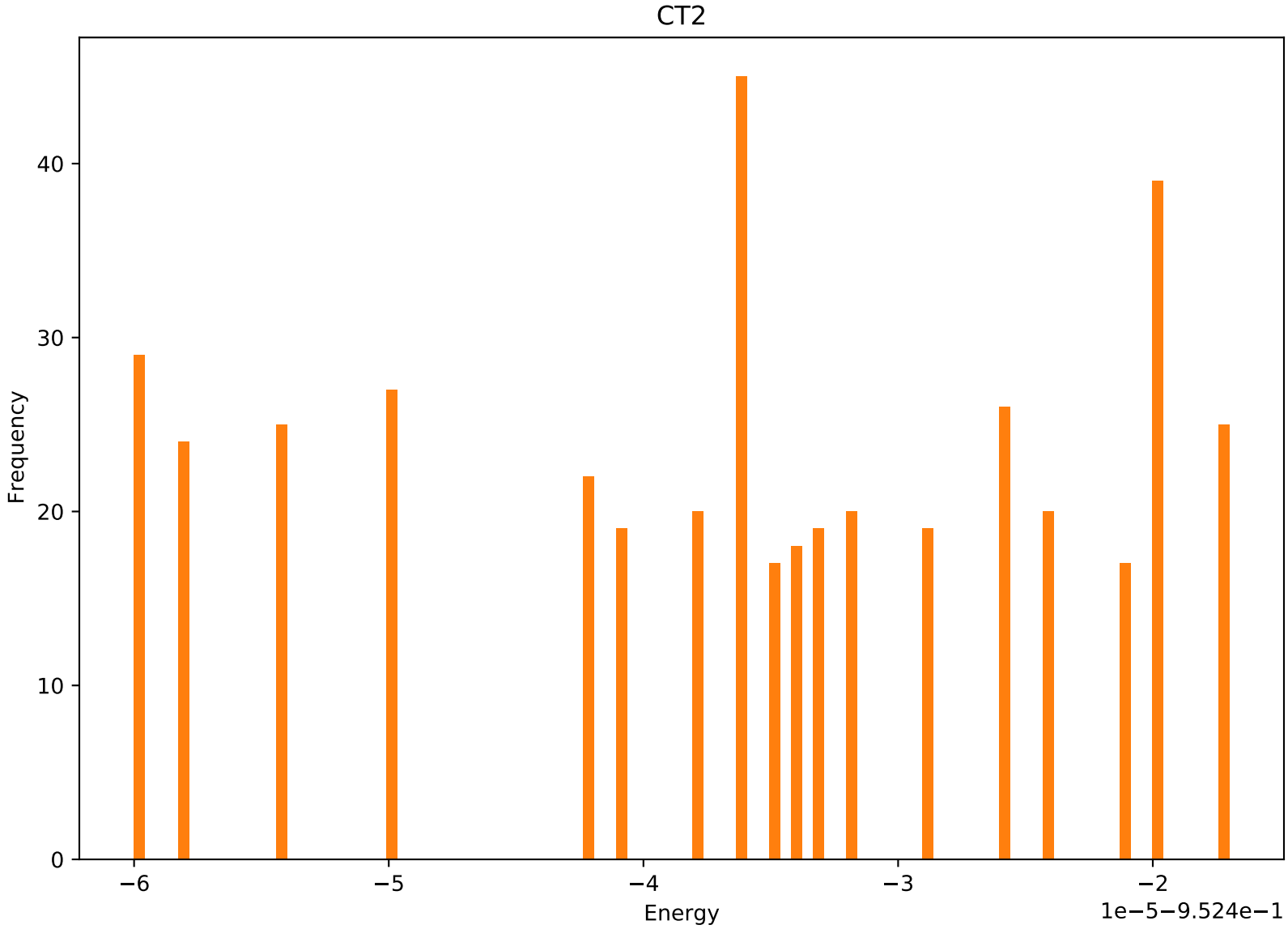

CS6
Frequency
0
20
40
60
80
100
−45
−44
−43
−42
−41
−40
−39
−38
−37
Energy
1e−7−3.875e−2

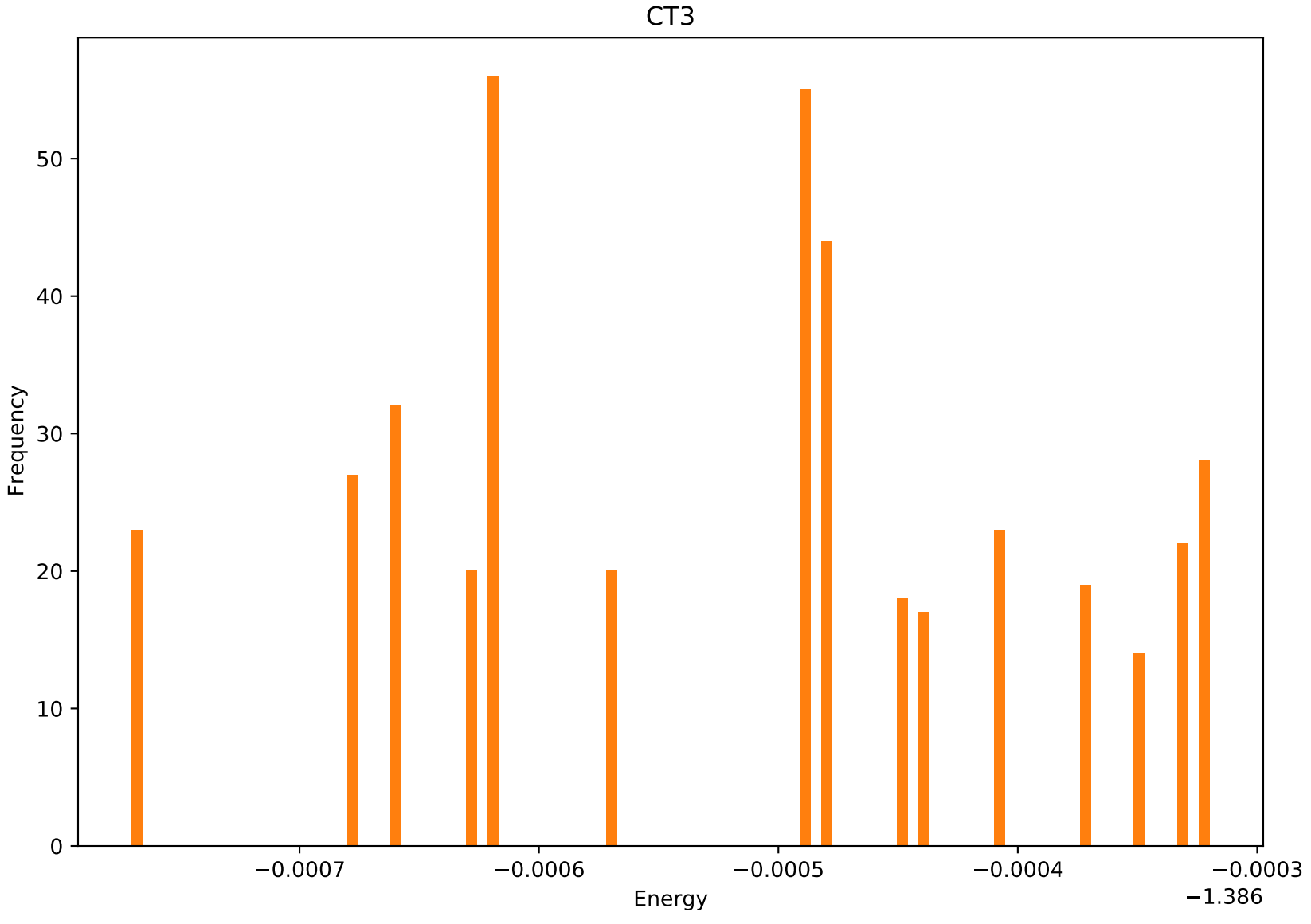

CS7
Frequency
100
80
60
40
20
0
−31
−30
−29
−28
−27
−26
−25
Energy
1e−7−2.524e−2

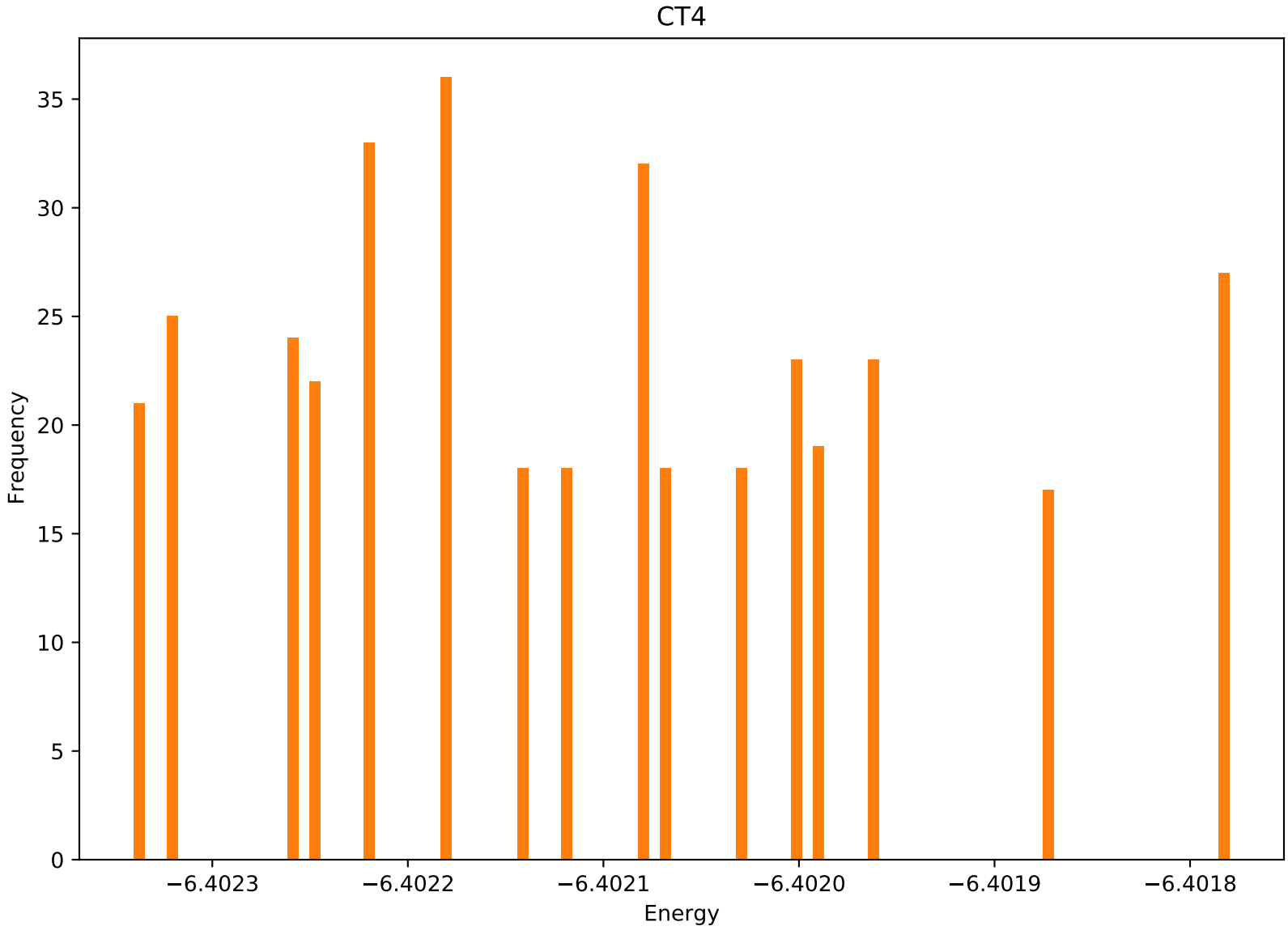

CS8
100
80
60
40
20
0
Frequency
−97
−96
−95
−94
−93
−92
−91
−90
−89
Energy
1e−8−5.527e−3

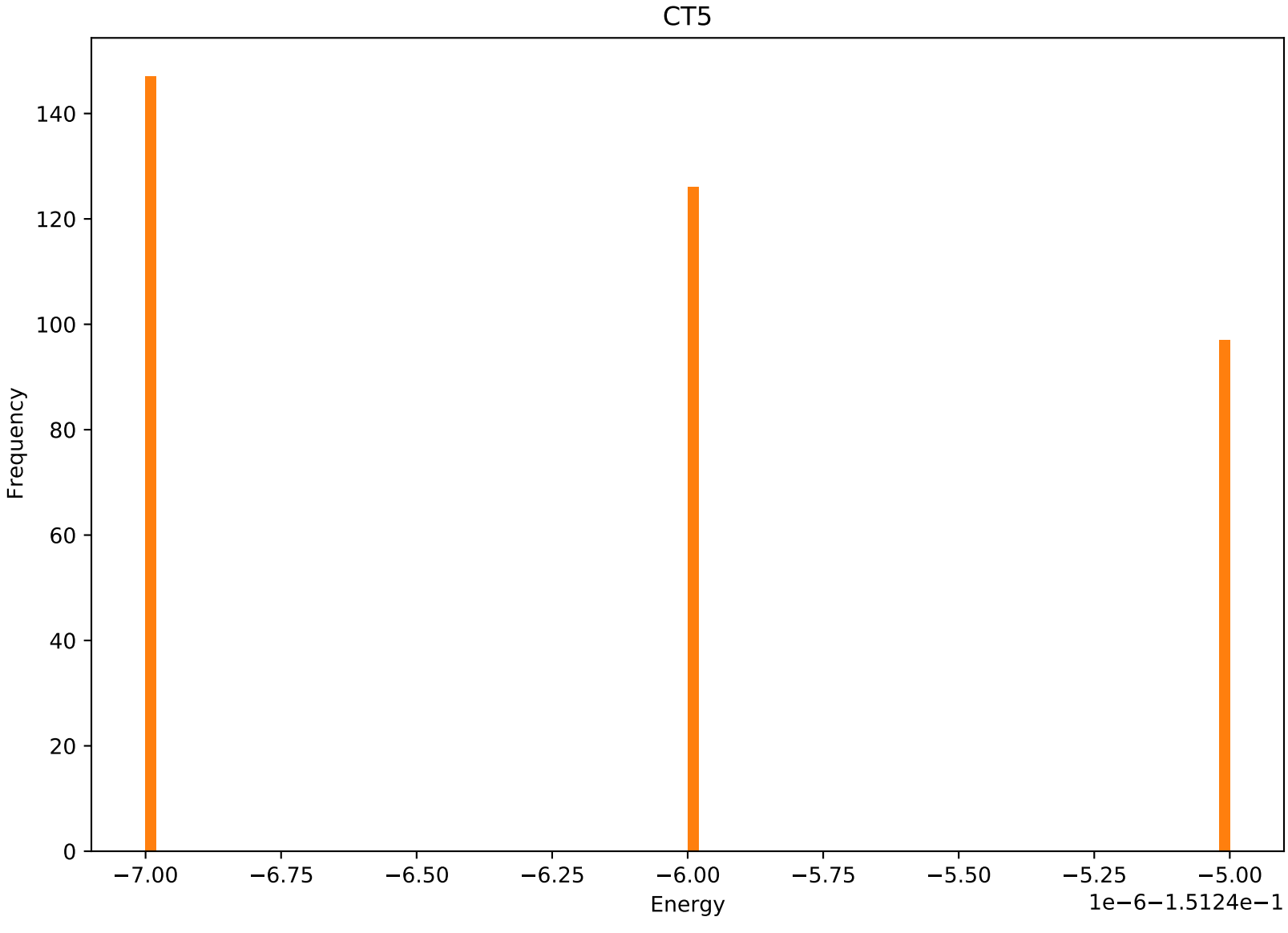

CS9
Frequency
0
5
10
15
20
25
30
35
40
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

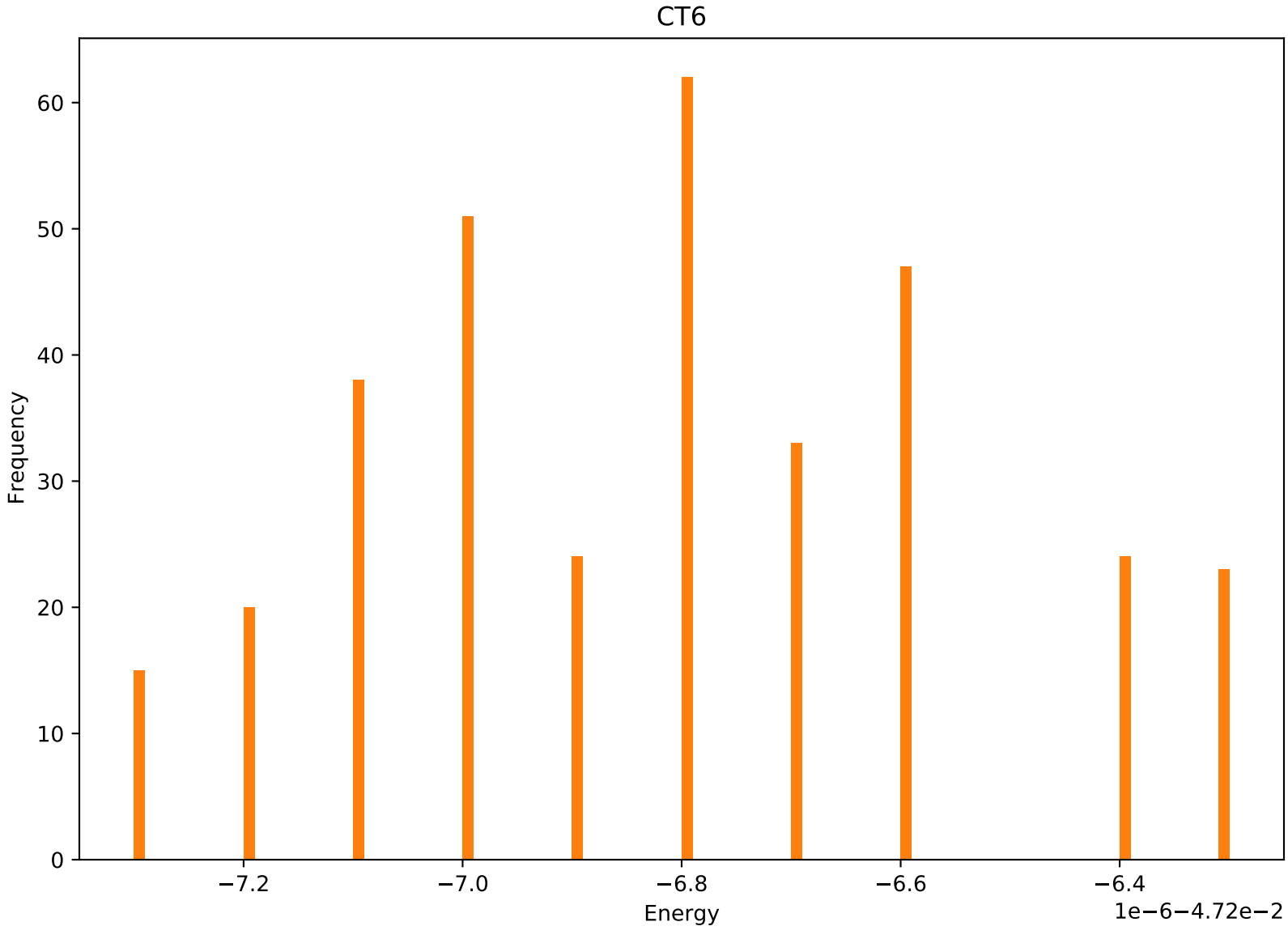

CT1
Frequency
0
10
20
30
40
50
60
0.0006
0.0007
0.0008
0.0009
0.0010
Energy
+1.767

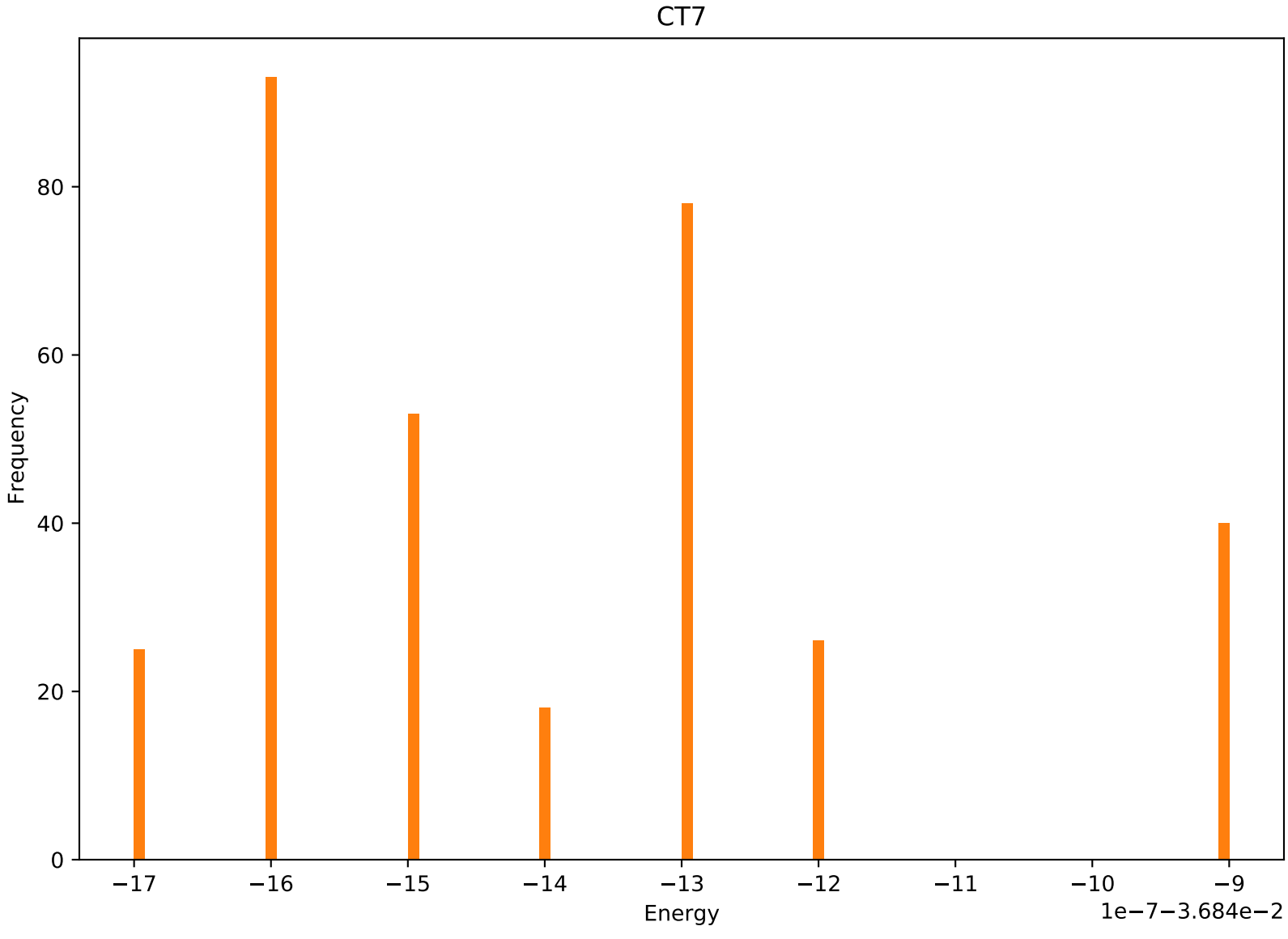

CT2
Frequency
0
10
20
30
40
−6
−5
−4
−3
−2
Energy
1e−5−9.524e−1

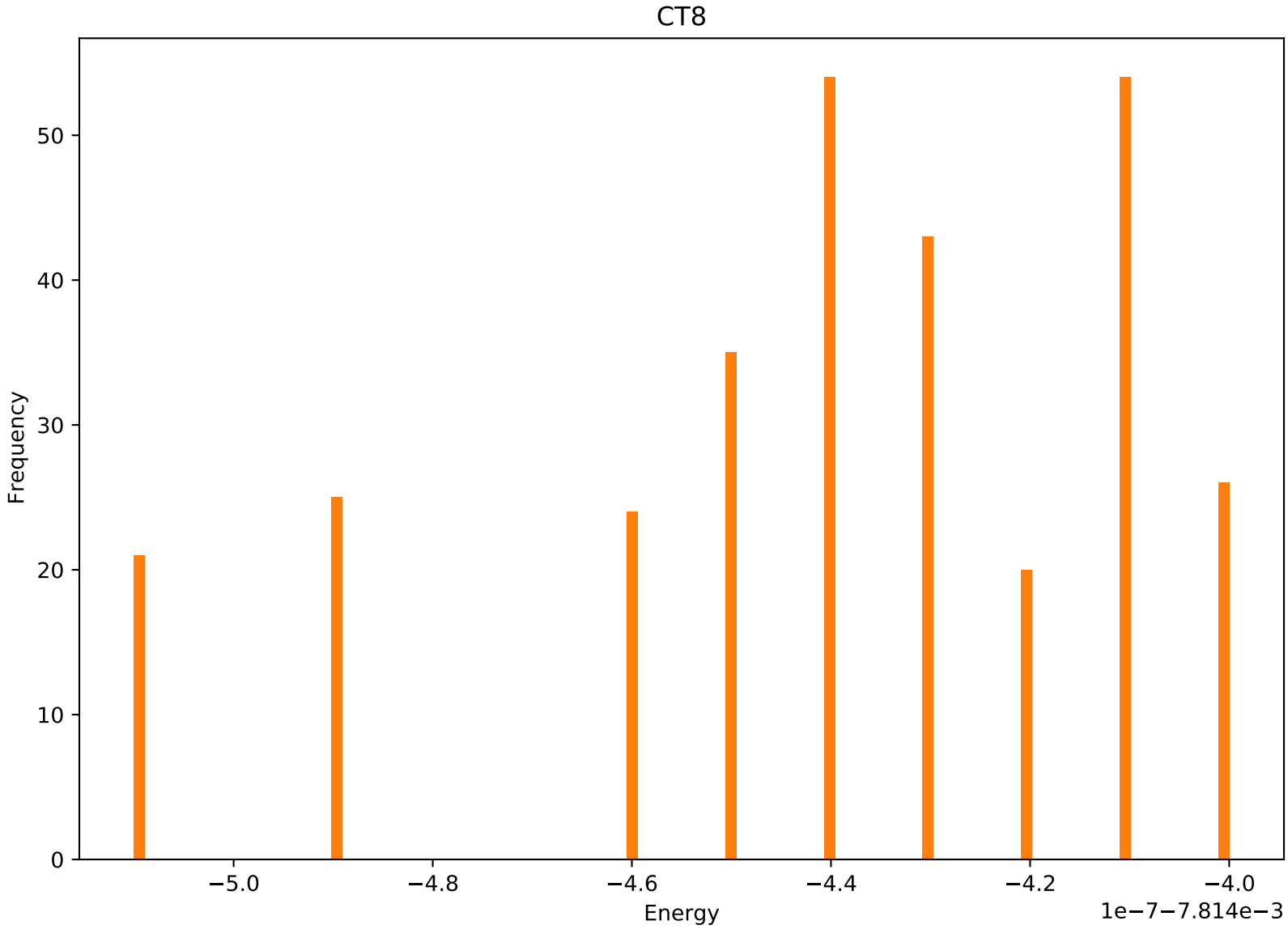

CT3
Frequency
0
10
20
30
40
50
−0.0007
−0.0006
−0.0005
−0.0004
−0.0003
Energy
−1.386

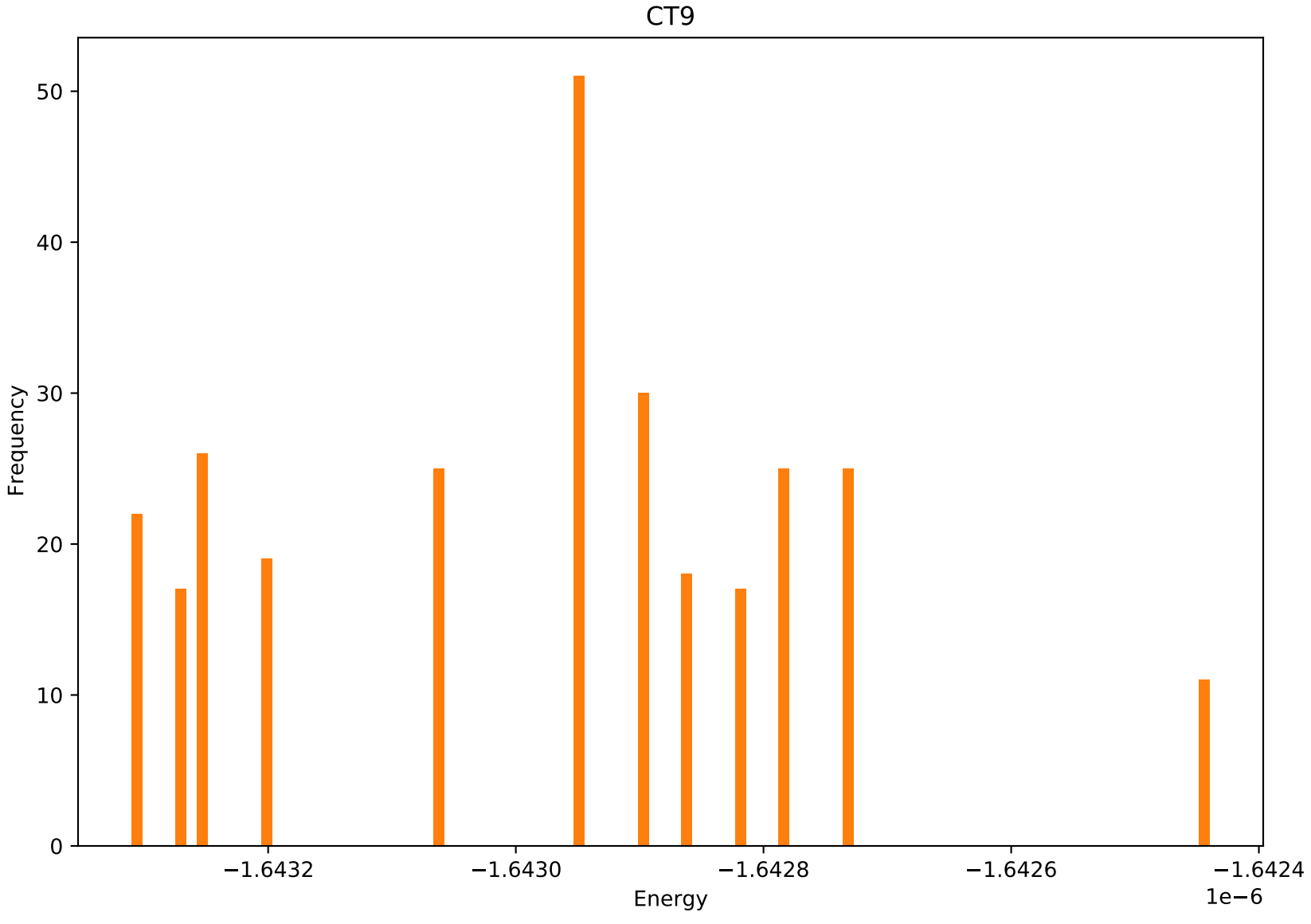

CT4
Frequency
0
5
10
15
20
25
30
35
−6.4023
−6.4022
−6.4021
−6.4020
−6.4019
−6.4018
Energy

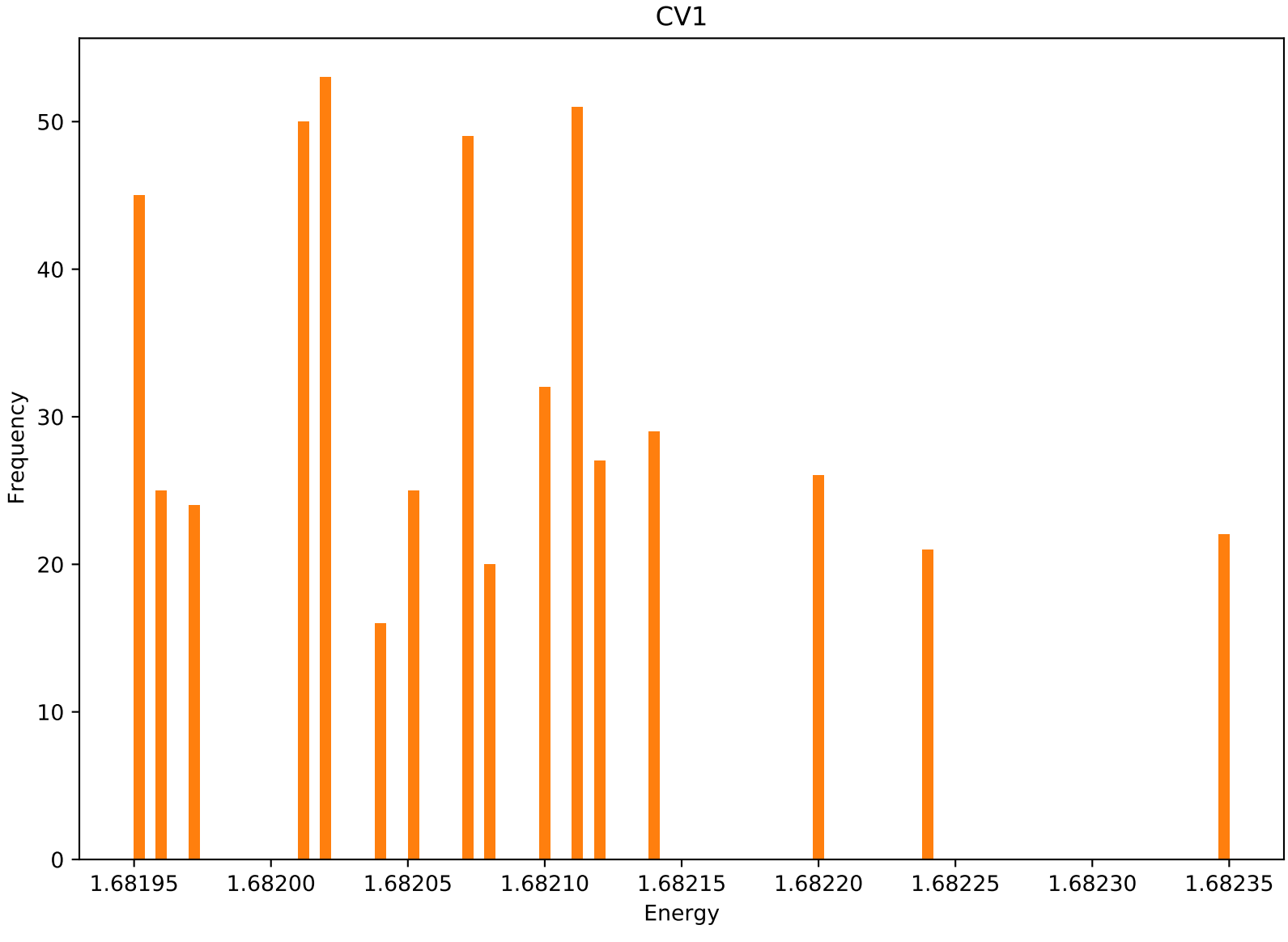

CT5
Frequency
0
20
40
60
80
100
120
140
−7.00
−6.75
−6.50
−6.25
−6.00
−5.75
−5.50
−5.25
−5.00
Energy
1e−6−1.5124e−1

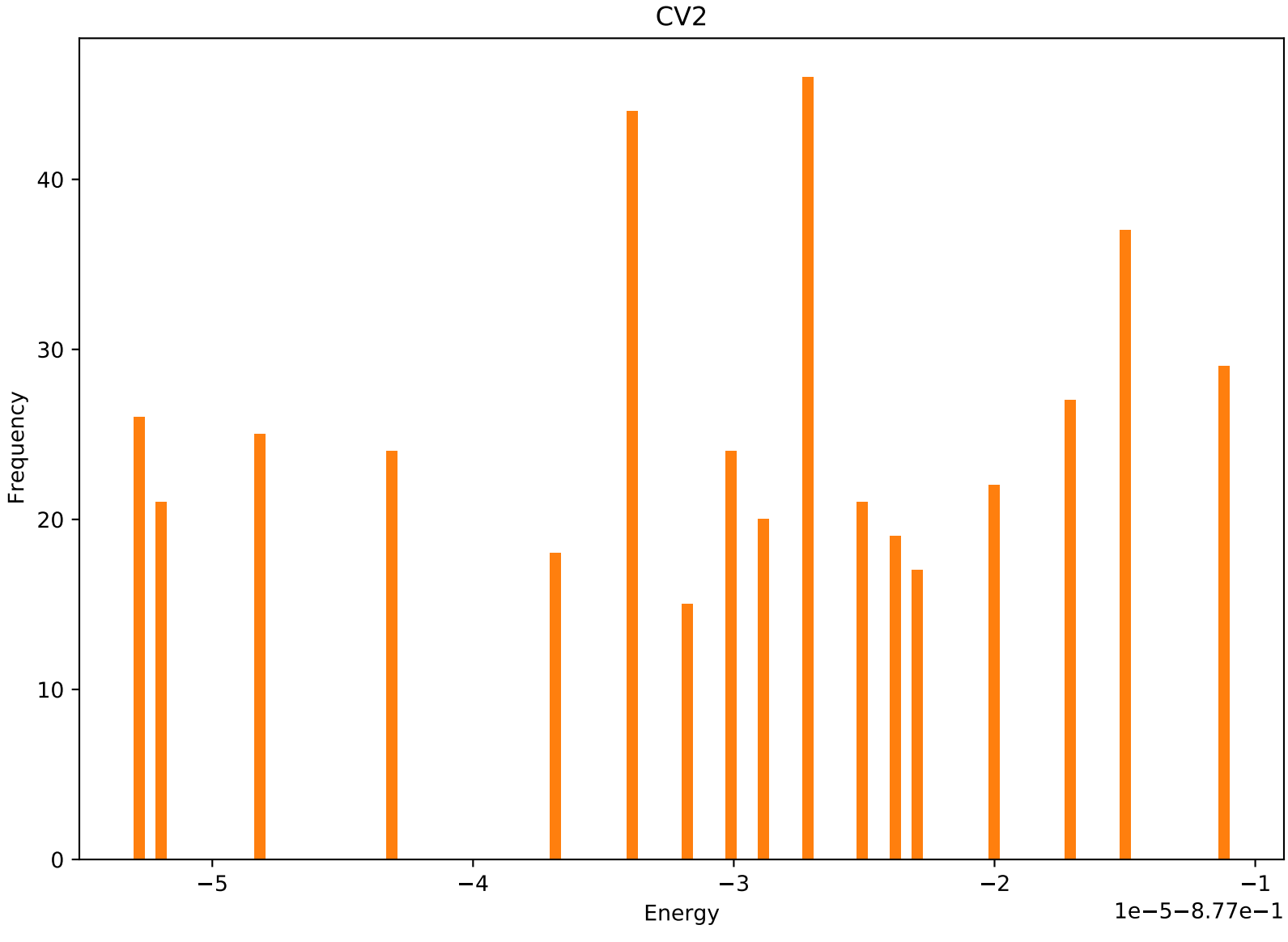

CT6
Frequency
0
10
20
30
40
50
60
−7.2
−7.0
−6.8
−6.6
−6.4
Energy
1e−6−4.72e−2

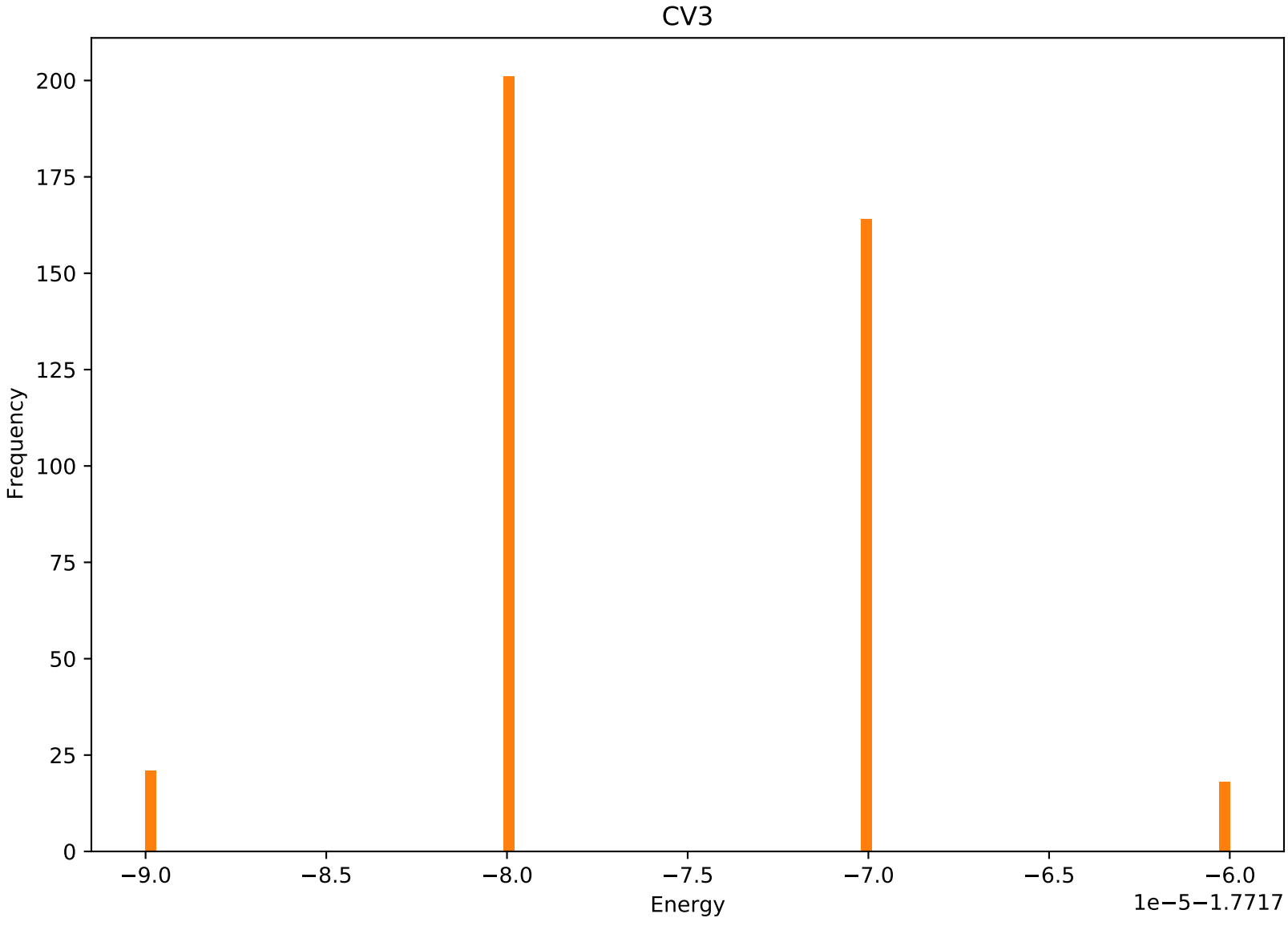

CT7
Frequency
0
20
40
60
80
−17
−16
−15
−14
−13
−12
−11
−10
−9
Energy
1e−7−3.684e−2

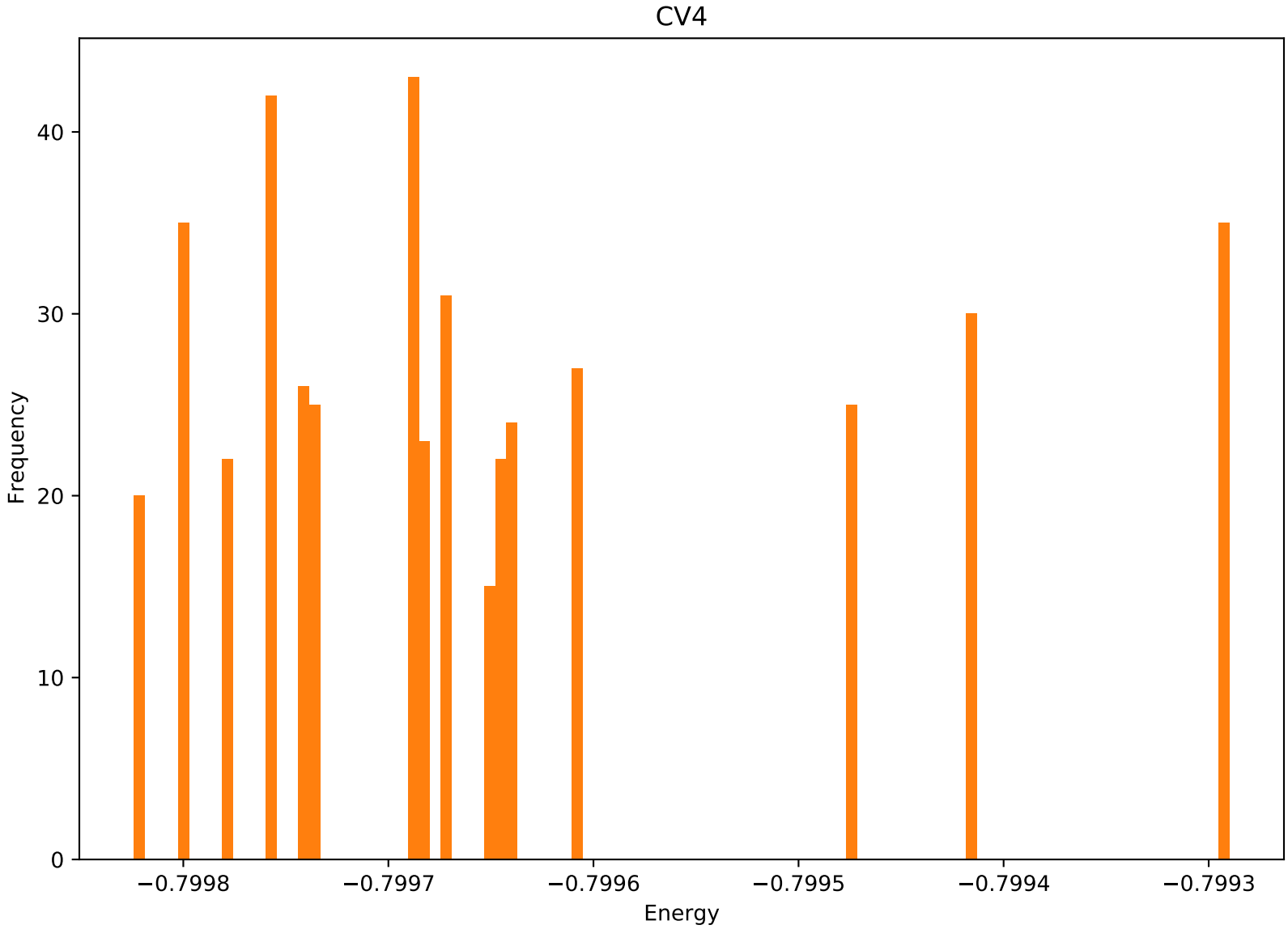

CT8
Frequency
0
10
20
30
40
50
−5.0
−4.8
−4.6
−4.4
−4.2
−4.0
Energy
1e−7−7.814e−3

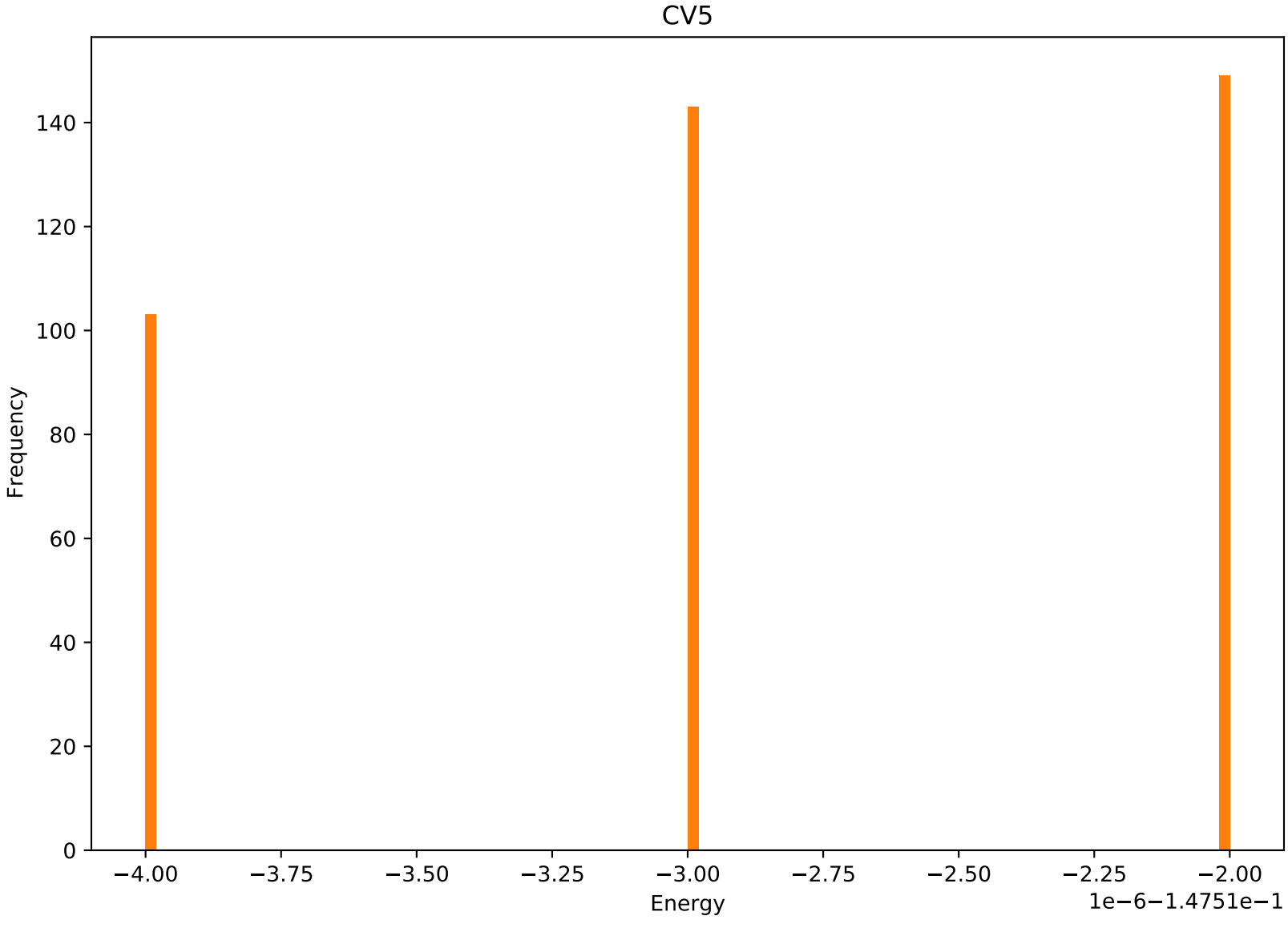

CT9
Frequency
0
10
20
30
40
50
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

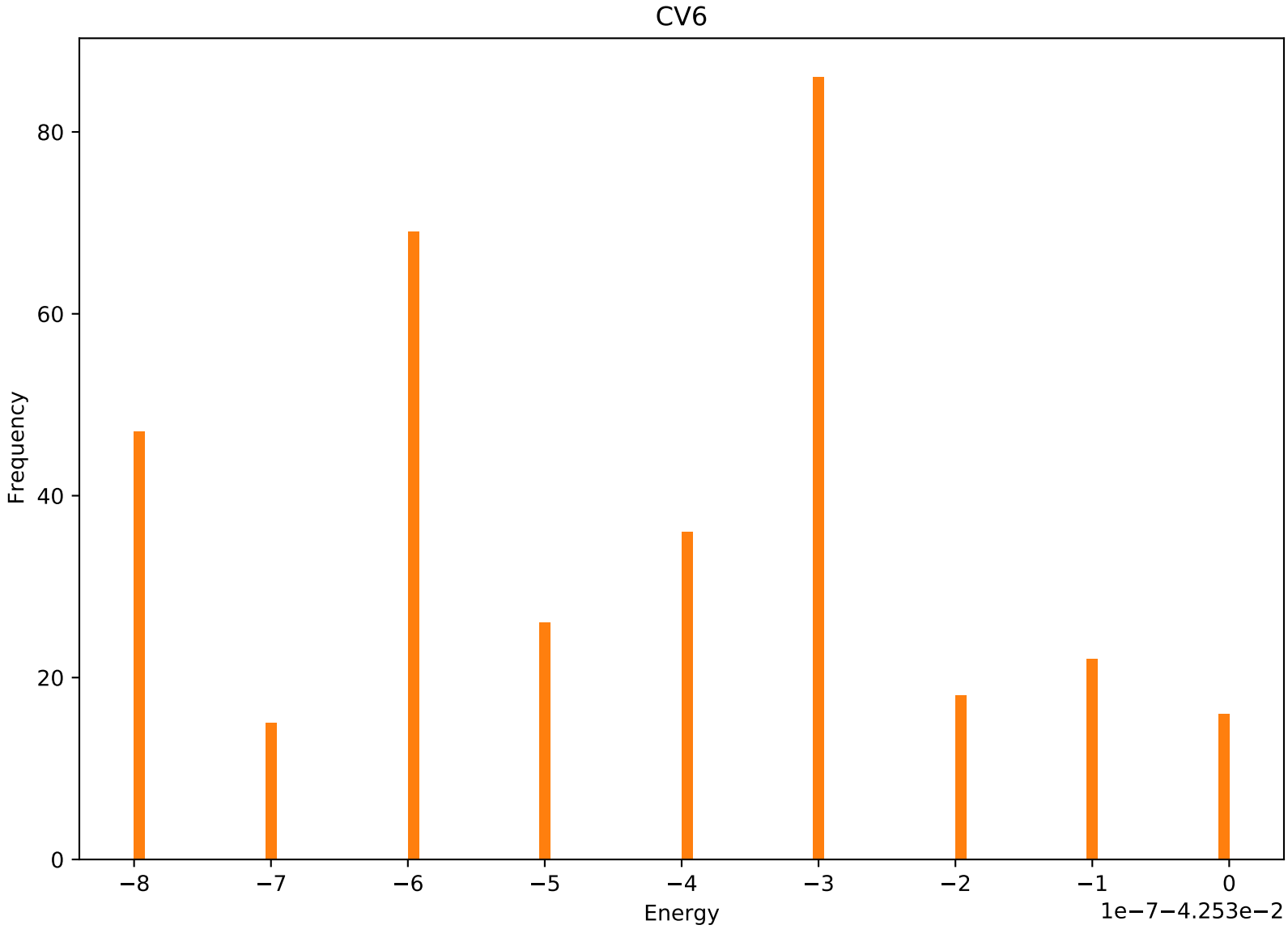

CV1
Frequency
0
10
20
30
40
50
1.68195
1.68200
1.68205
1.68210
1.68215
1.68220
1.68225
1.68230
1.68235
Energy

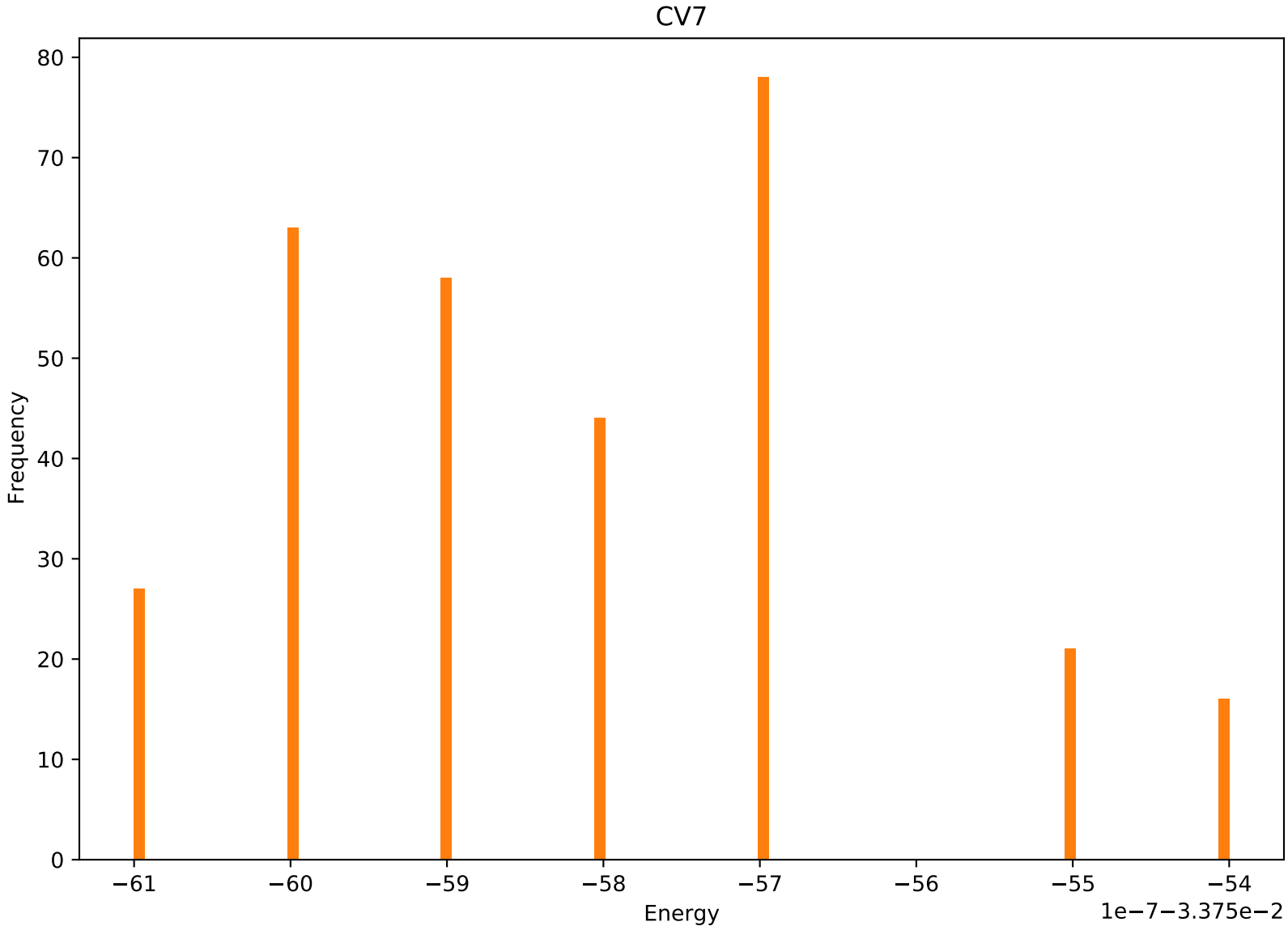

CV2
Frequency
0
10
20
30
40
−5
−4
−3
−2
−1
Energy
1e−5−8.77e−1

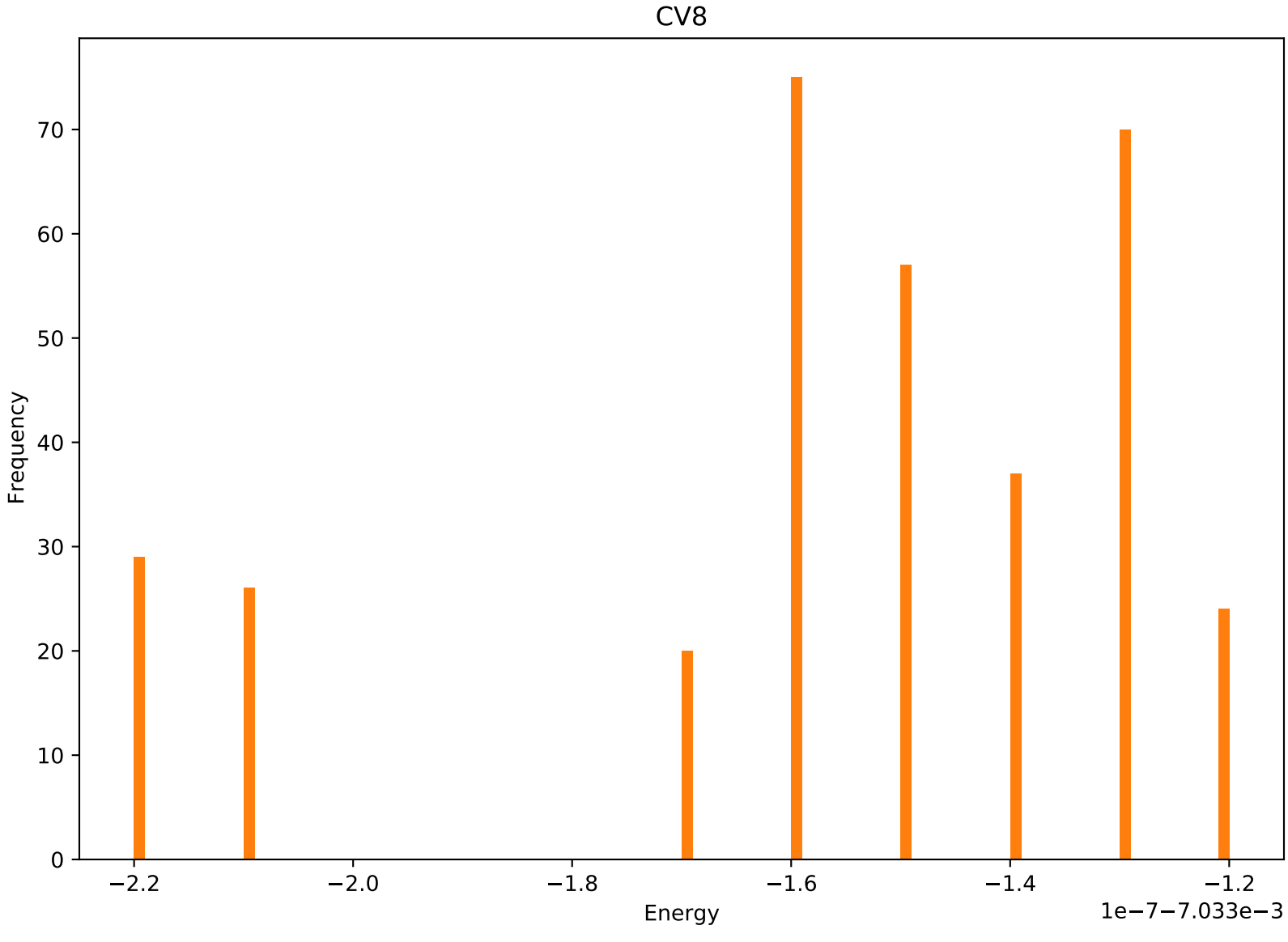

CV3
Frequency
200
175
150
125
100
75
50
25
0
−9.0
−8.5
−8.0
−7.5
−7.0
−6.5
−6.0
Energy
1e−5−1.7717

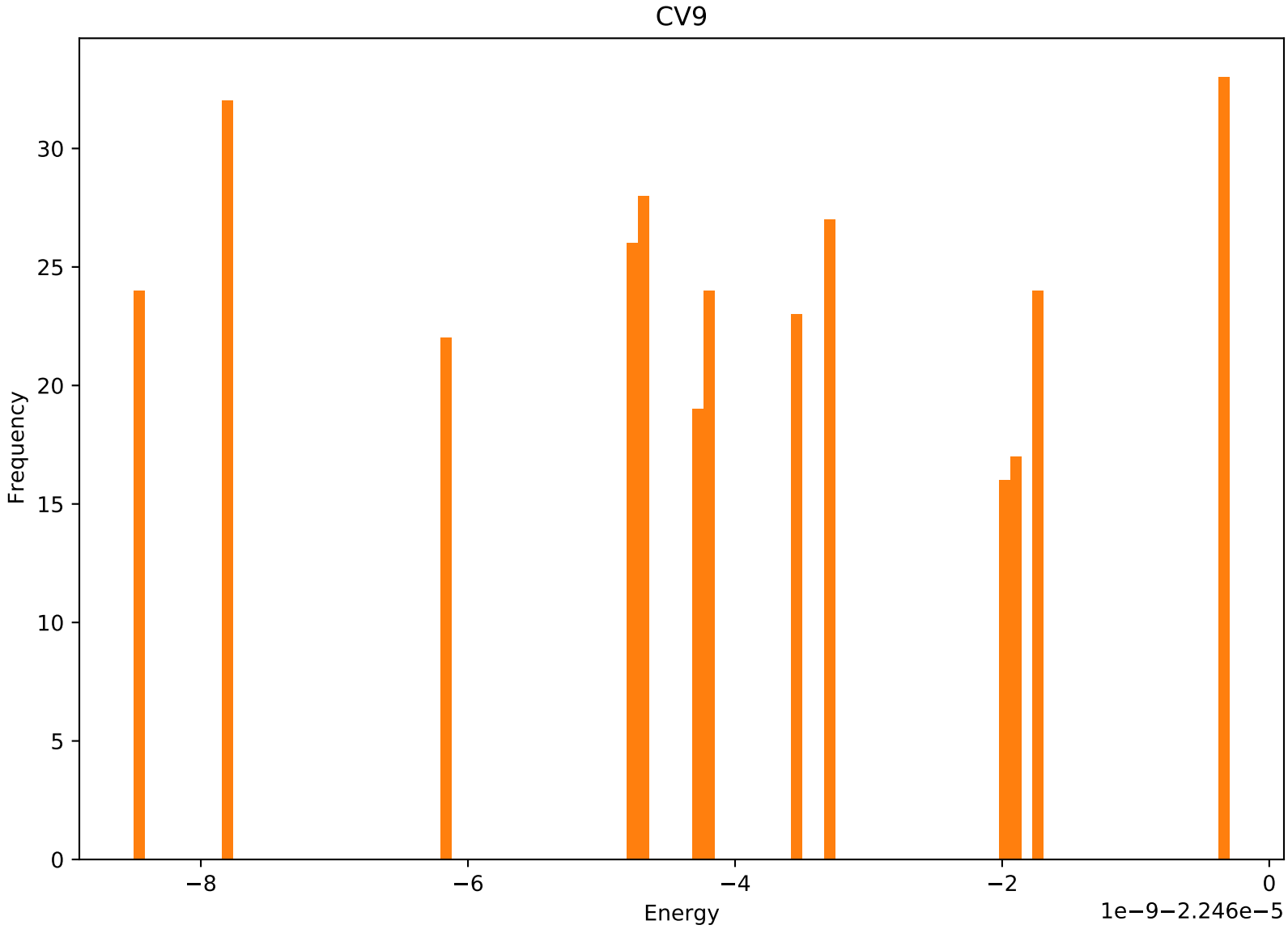

CV4
Frequency
0
10
20
30
40
−0.7998
−0.7997
−0.7996
−0.7995
−0.7994
−0.7993
Energy

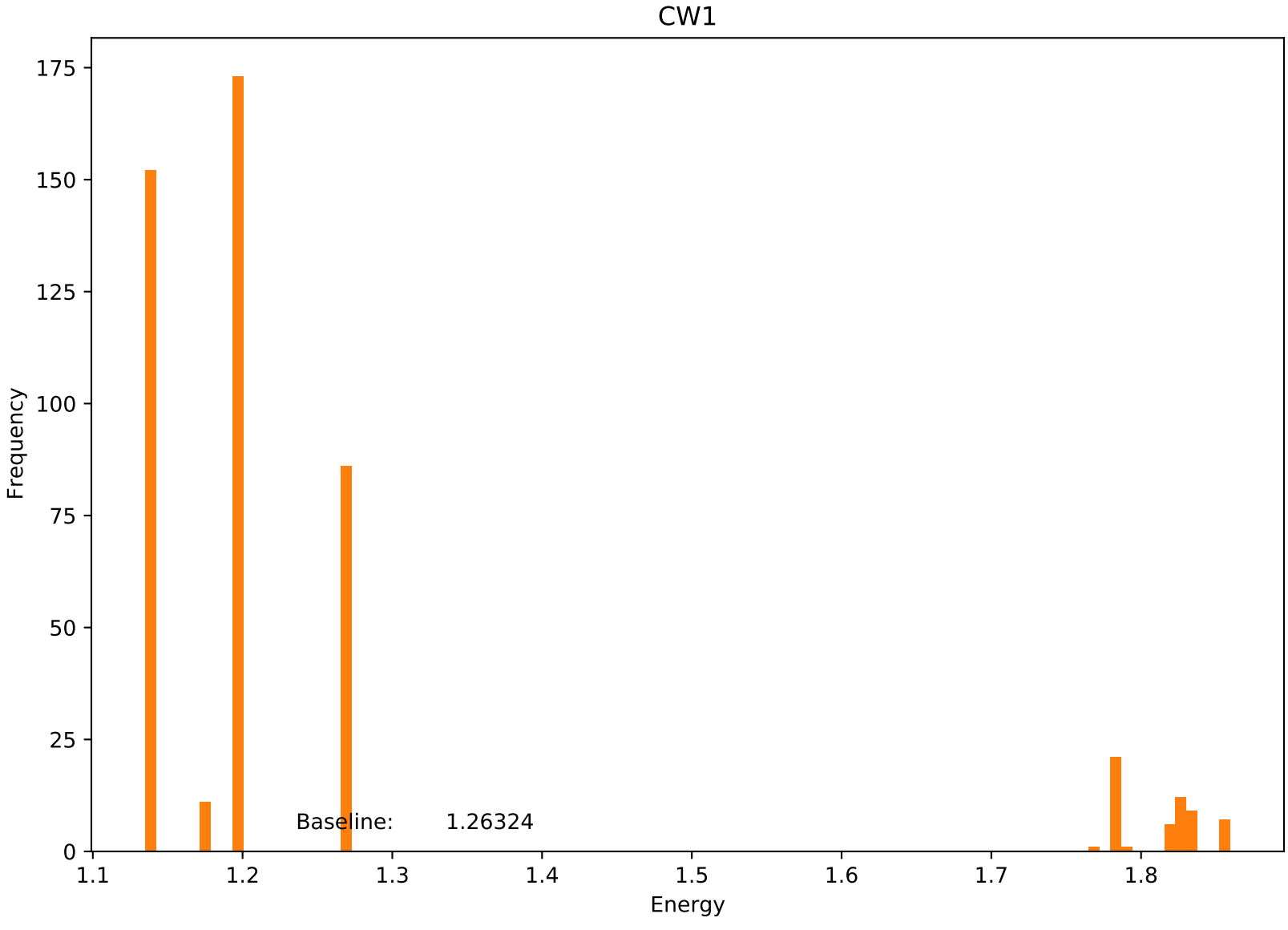

CV5
Frequency
0
20
40
60
80
100
120
140
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
Energy
1e−6−1.4751e−1

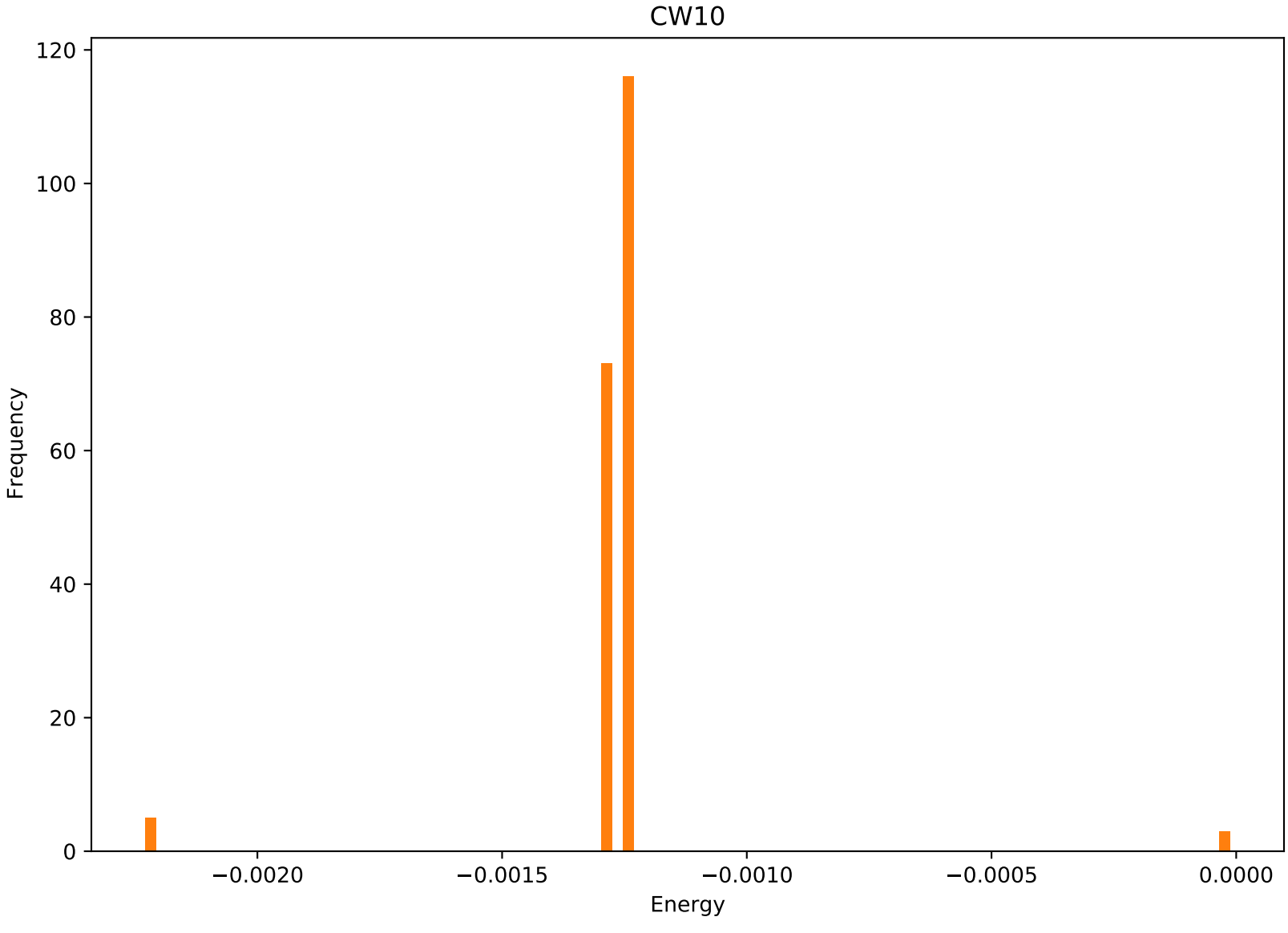

CV6
Frequency
0
20
40
60
80
−8
−7
−6
−5
−4
−3
−2
−1
0
Energy
1e−7−4.253e−2

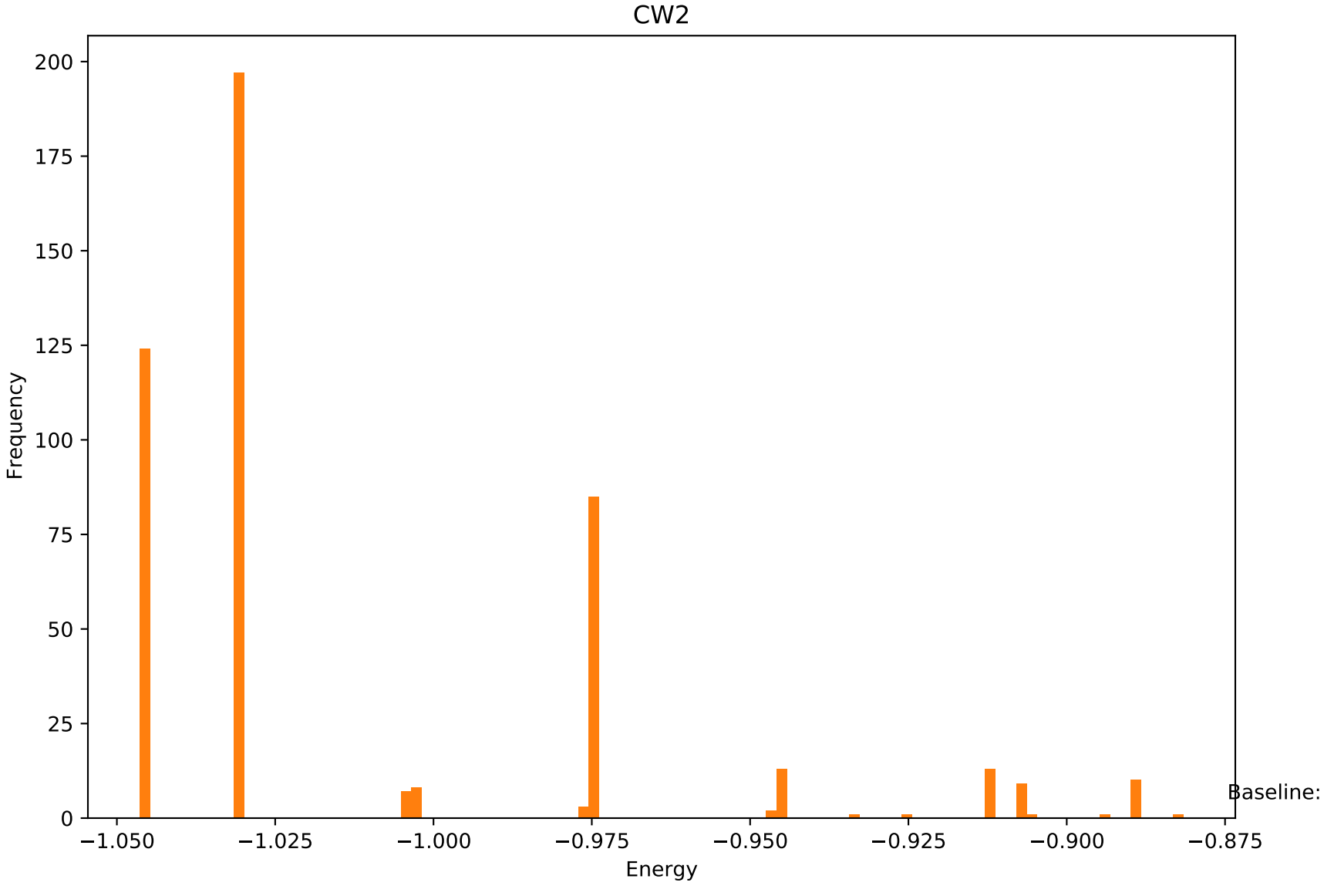

CV7
Frequency
0
10
20
30
40
50
60
70
80
−61
−60
−59
−58
−57
−56
−55
−54
Energy
1e−7−3.375e−2

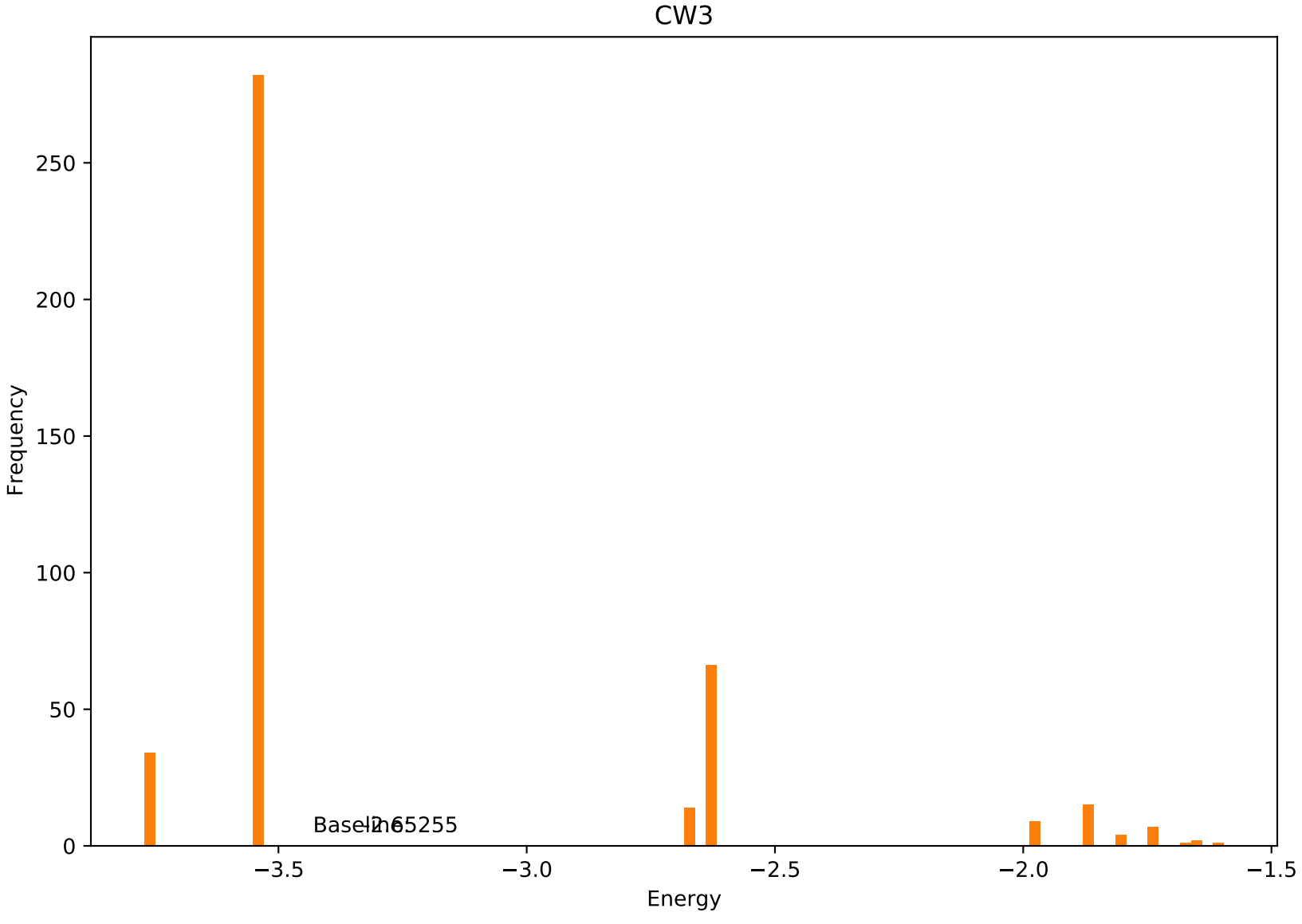

CV8
Frequency
0
10
20
30
40
50
60
70
−2.2
−2.0
−1.8
−1.6
−1.4
−1.2
Energy
1e−7−7.033e−3

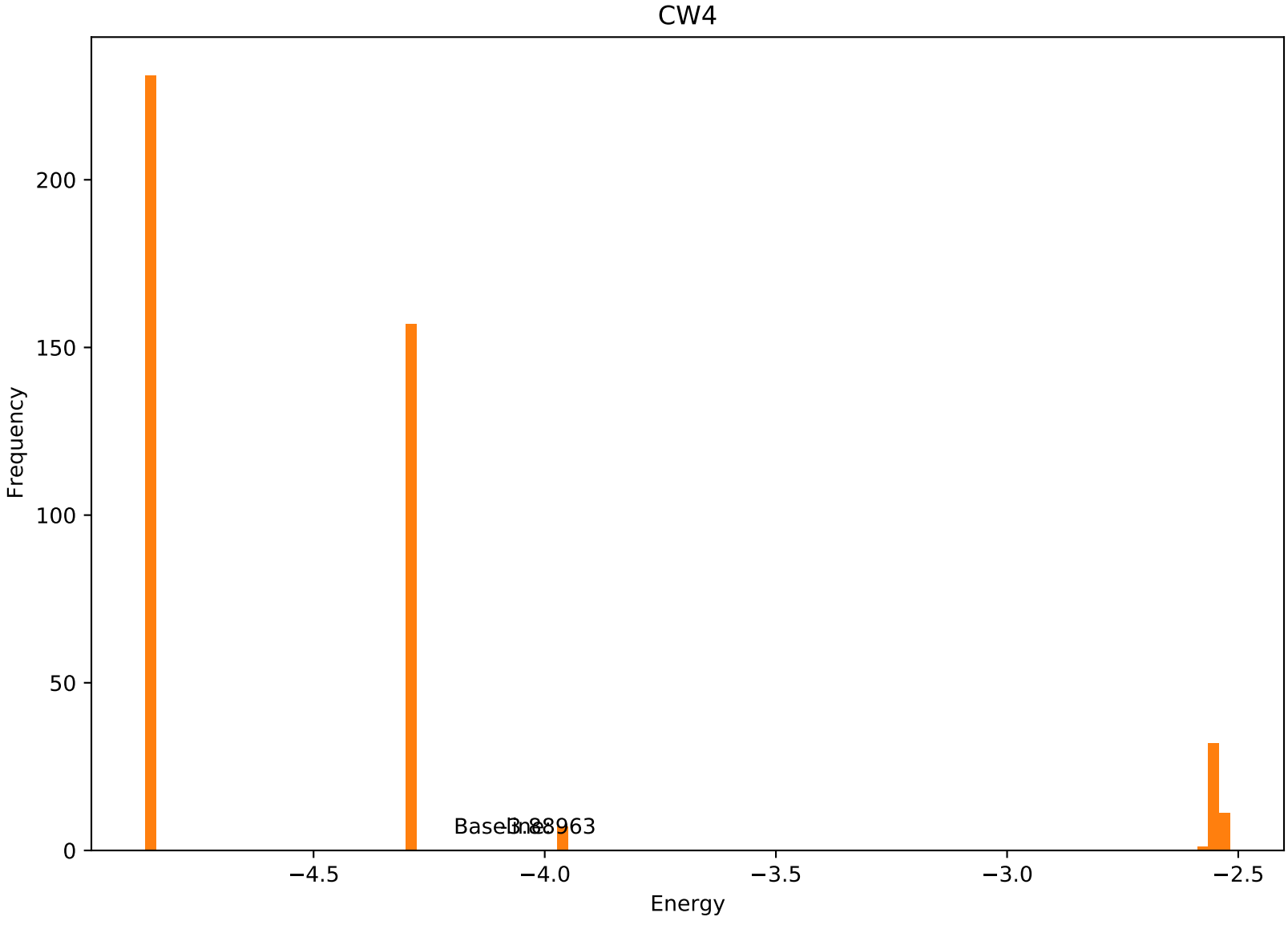

CV9
Frequency
0
5
10
15
20
25
30
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

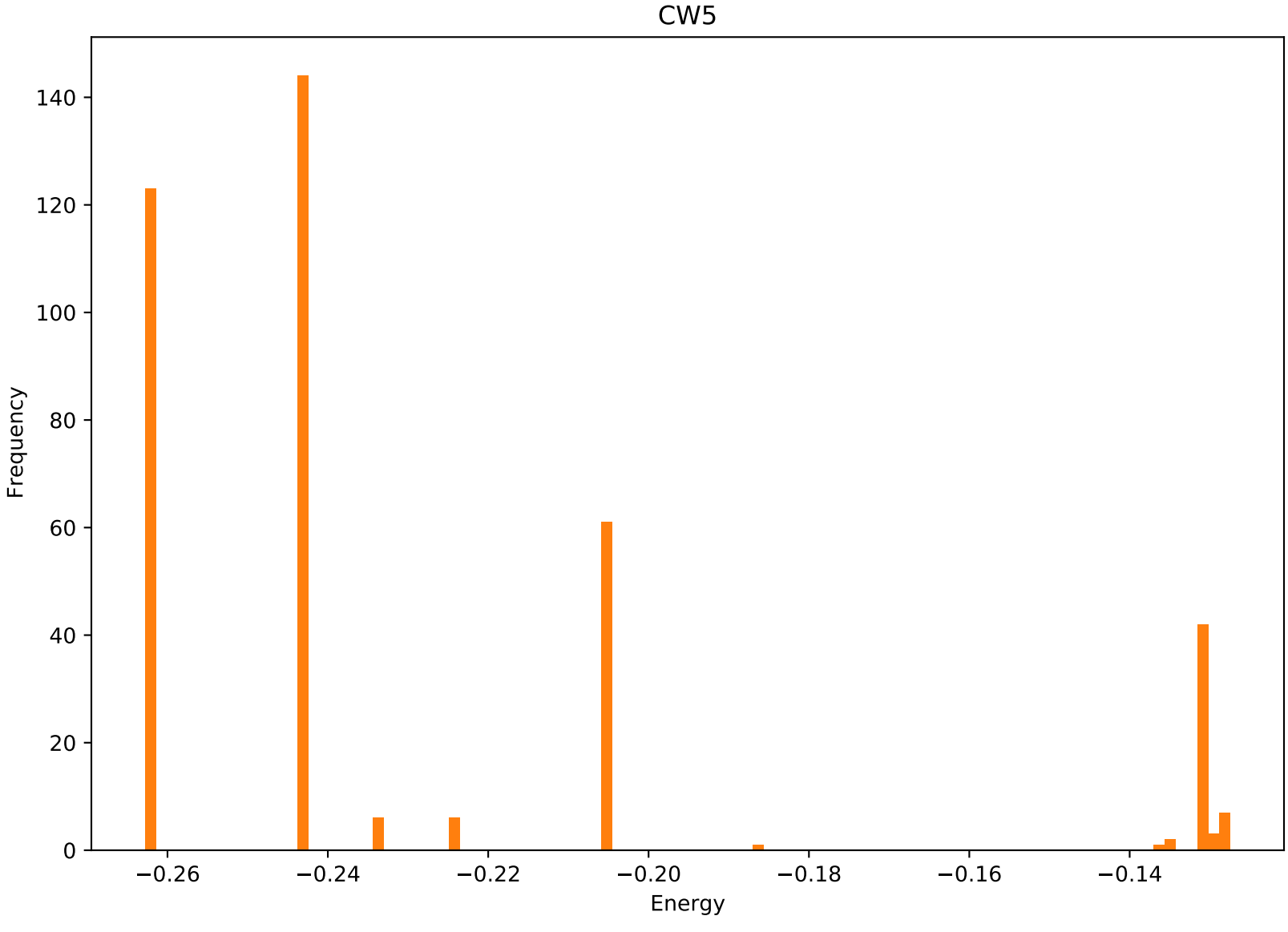

CW1
Frequency
Energy
Baseline: 1.26324
0
25
50
75
100
125
150
175
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8

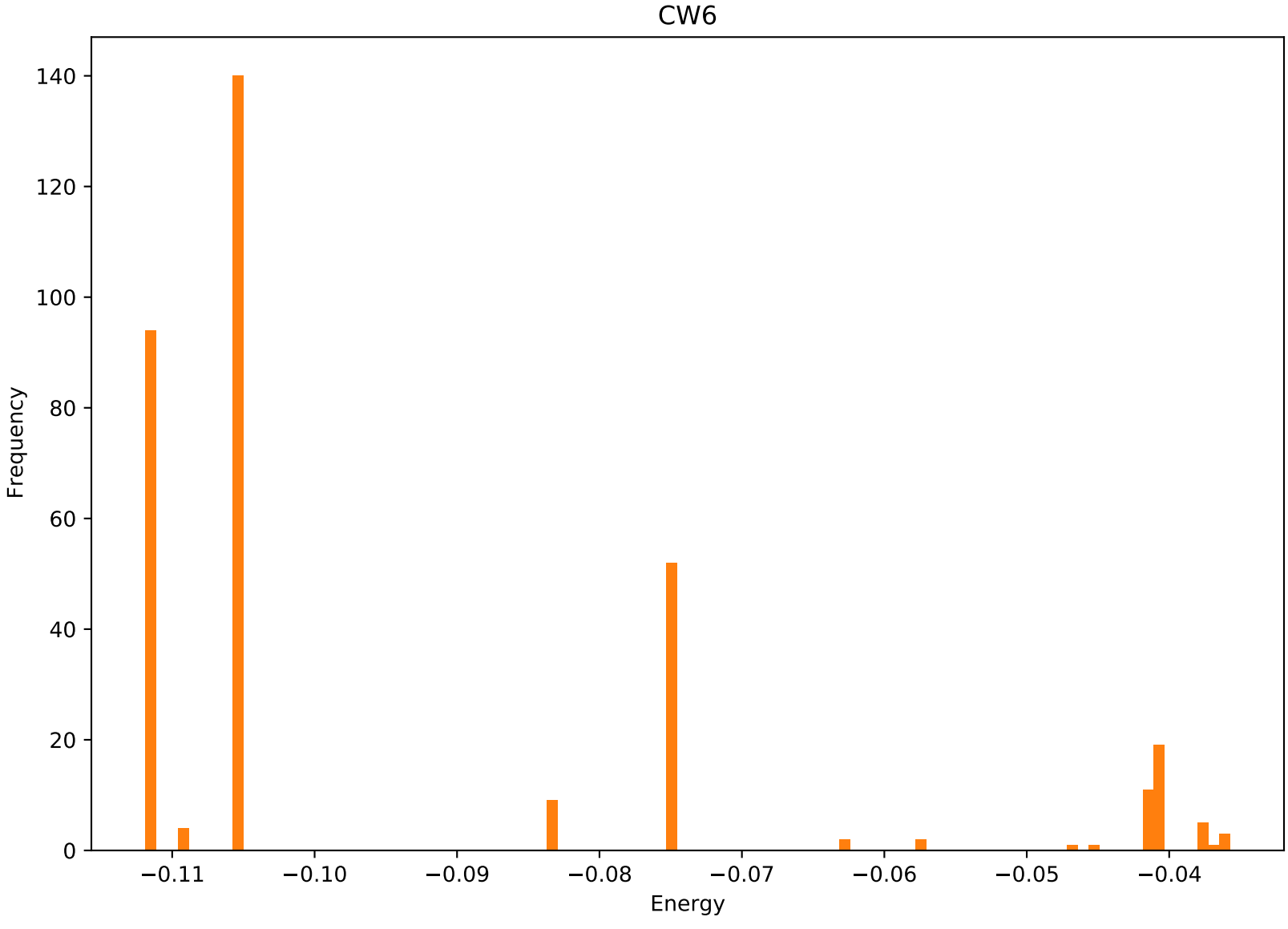

CW10
120
100
80
60
40
20
0
Frequency
−0.0020
−0.0015
−0.0010
−0.0005
0.0000
Energy

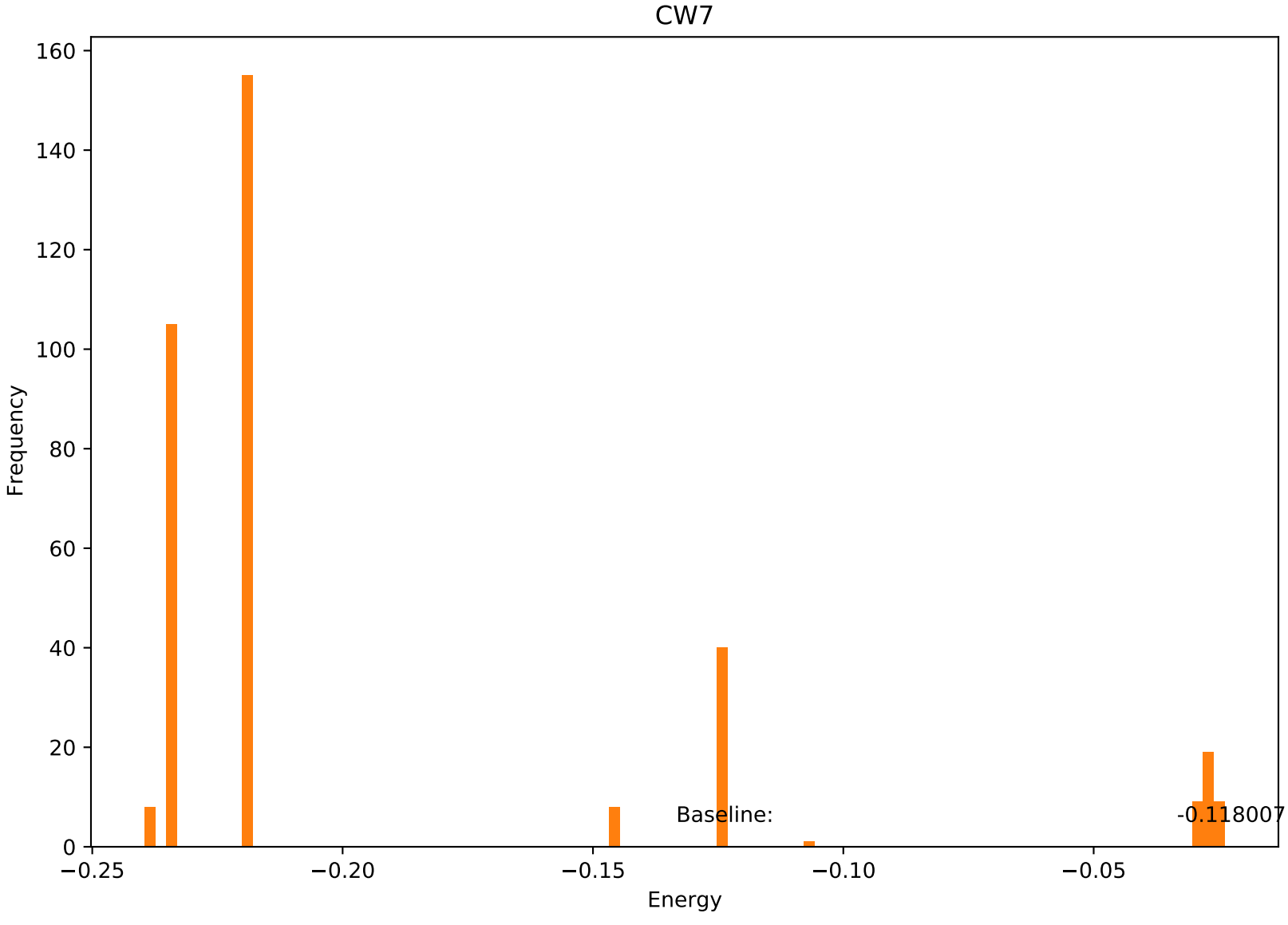

CW2
Frequency
Energy
200
175
150
125
100
75
50
25
0
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900
−0.875
Baseline:

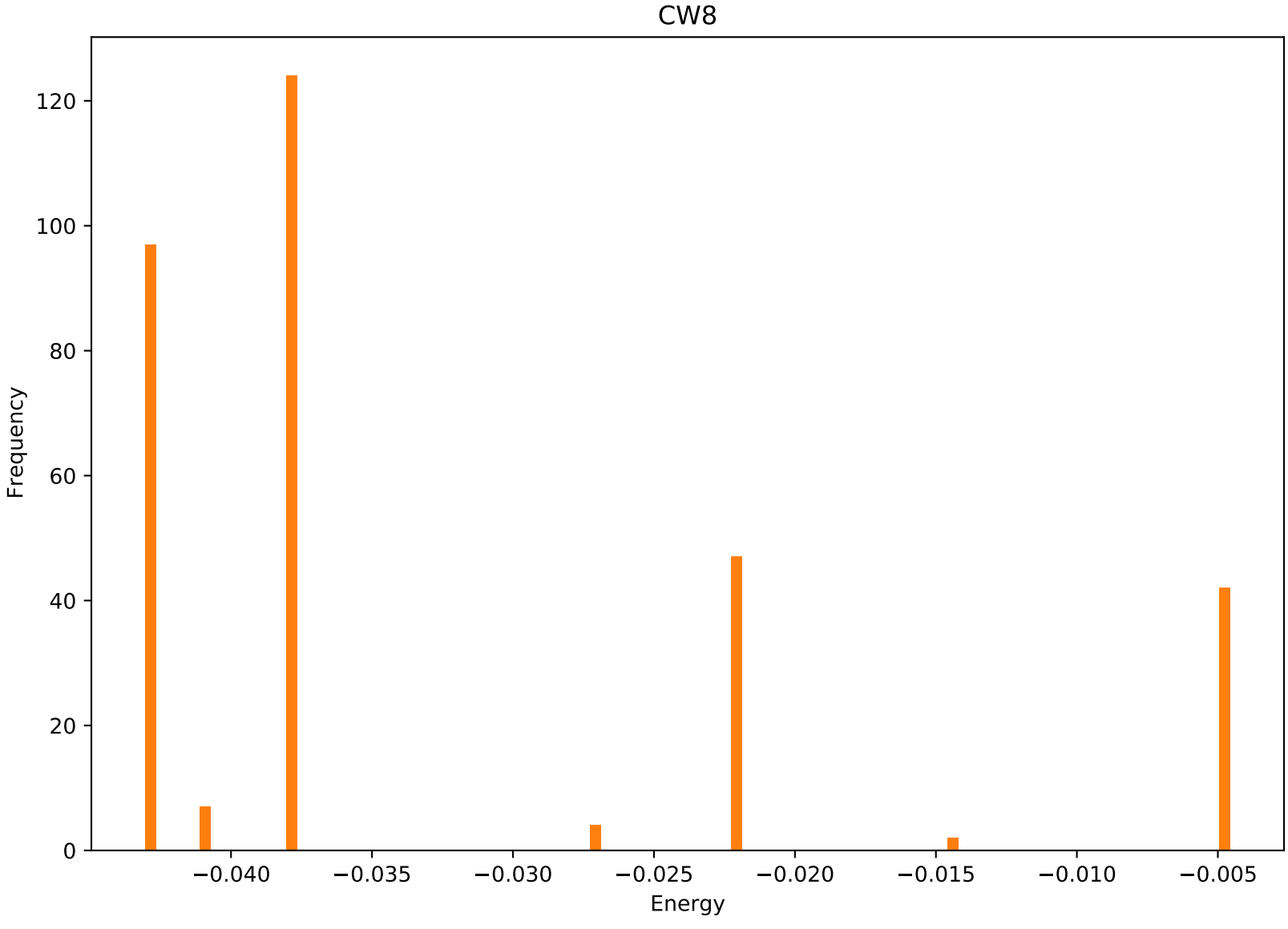

CW3
Frequency
Energy
0
50
100
150
200
250
−3.5
−3.0
−2.5
−2.0
−1.5
Baseline: 265255

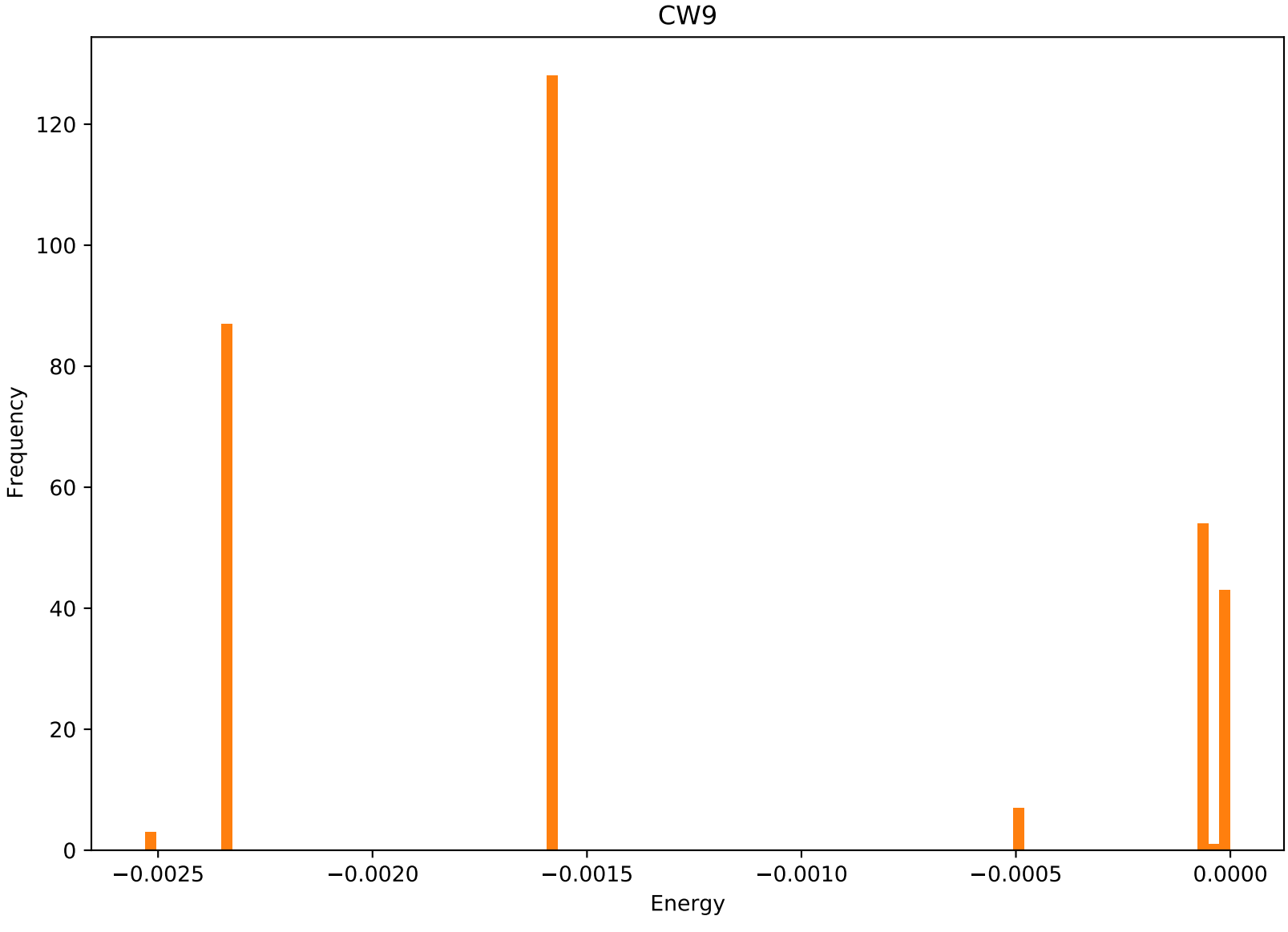

CW4
Frequency
200
150
100
50
0
−4.5
−4.0
−3.5
−3.0
−2.5
Energy

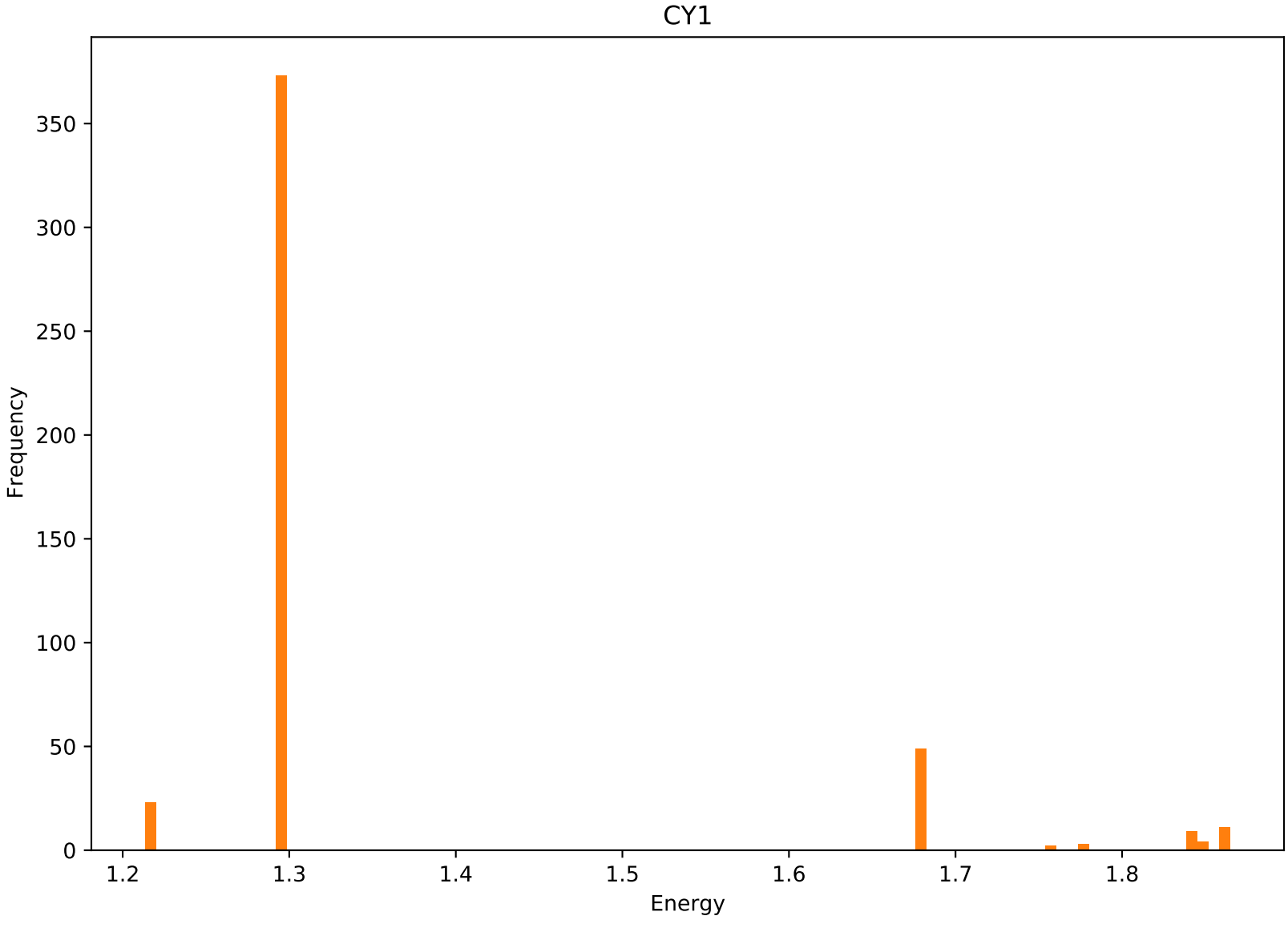

CW5
Frequency
Energy
0
20
40
60
80
100
120
140
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14

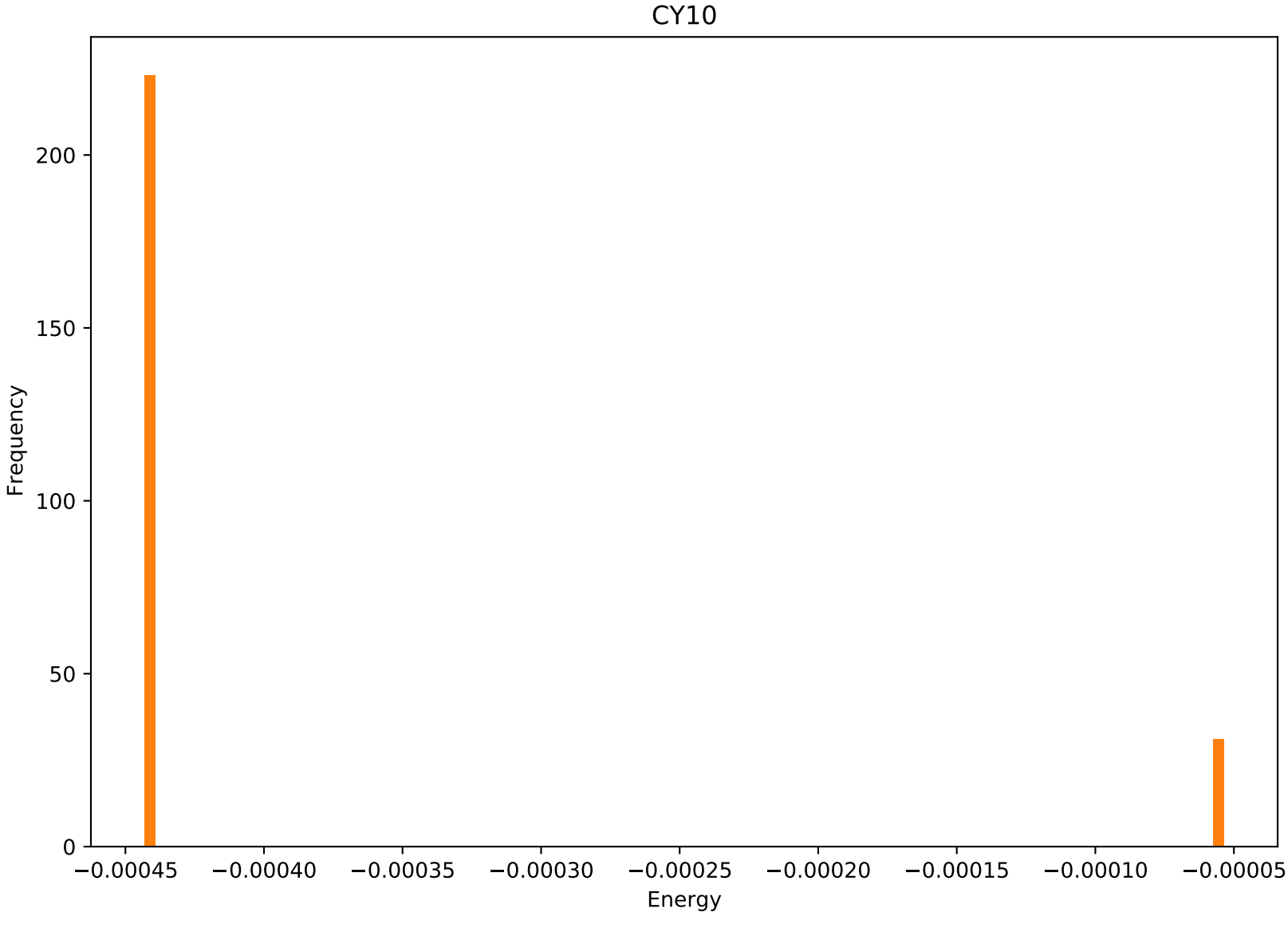

CW6
Frequency
Energy
0
20
40
60
80
100
120
140
−0.11
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

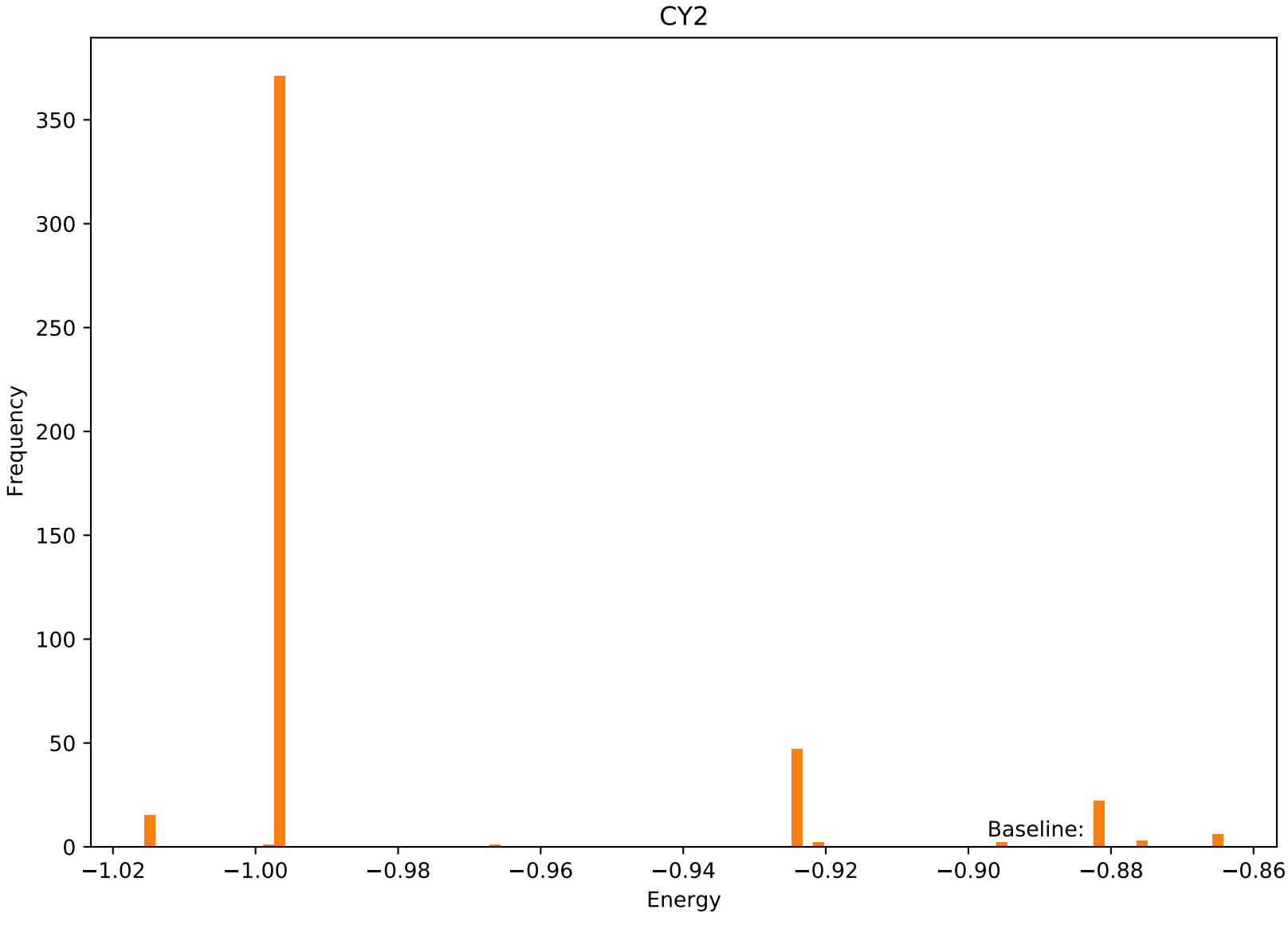

CW7
Frequency
Energy
Baseline:
-0.118007
0
20
40
60
80
100
120
140
160
−0.25
−0.20
−0.15
−0.10
−0.05

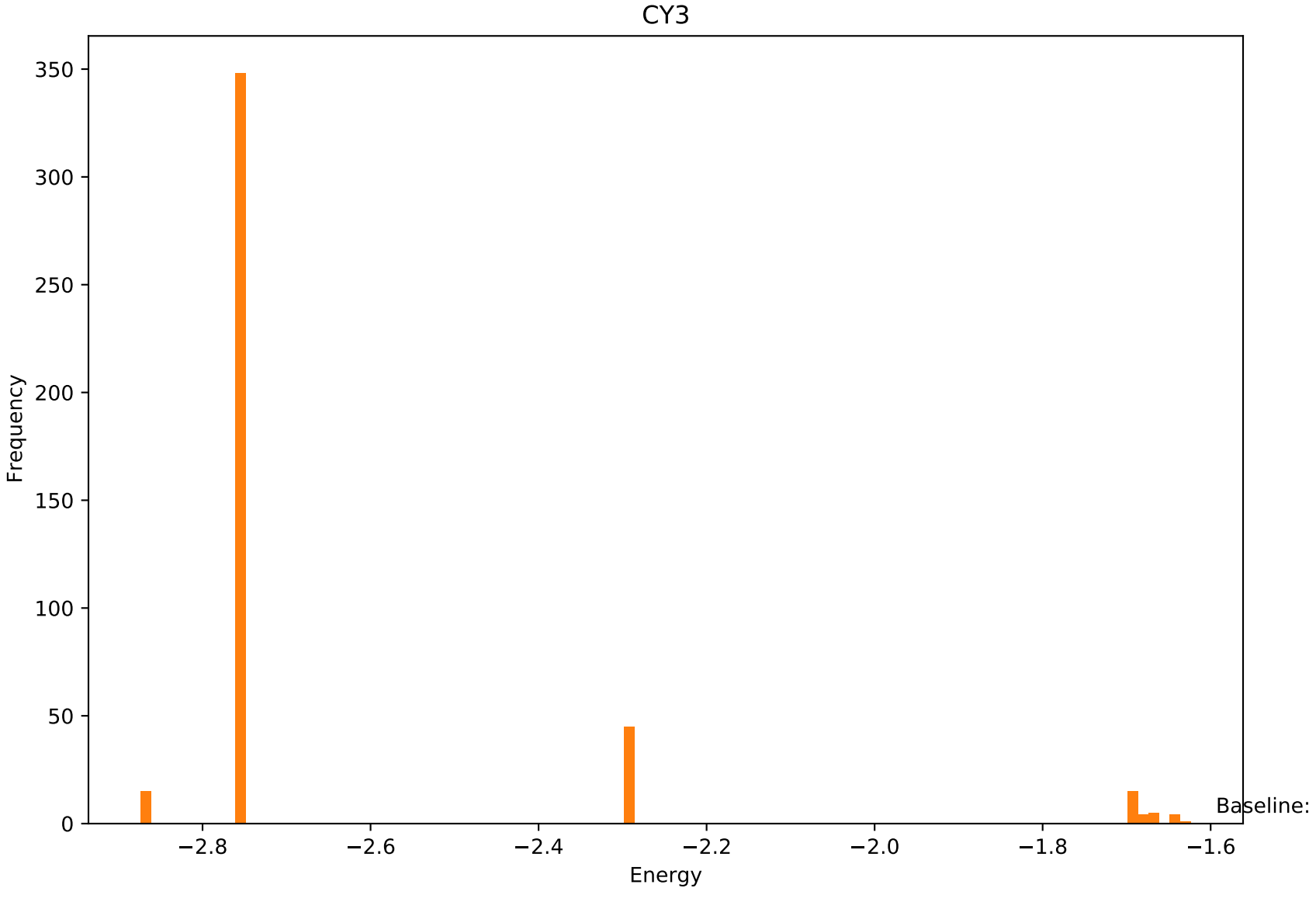

CW8
Frequency
Energy
0
20
40
60
80
100
120
−0.040
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005

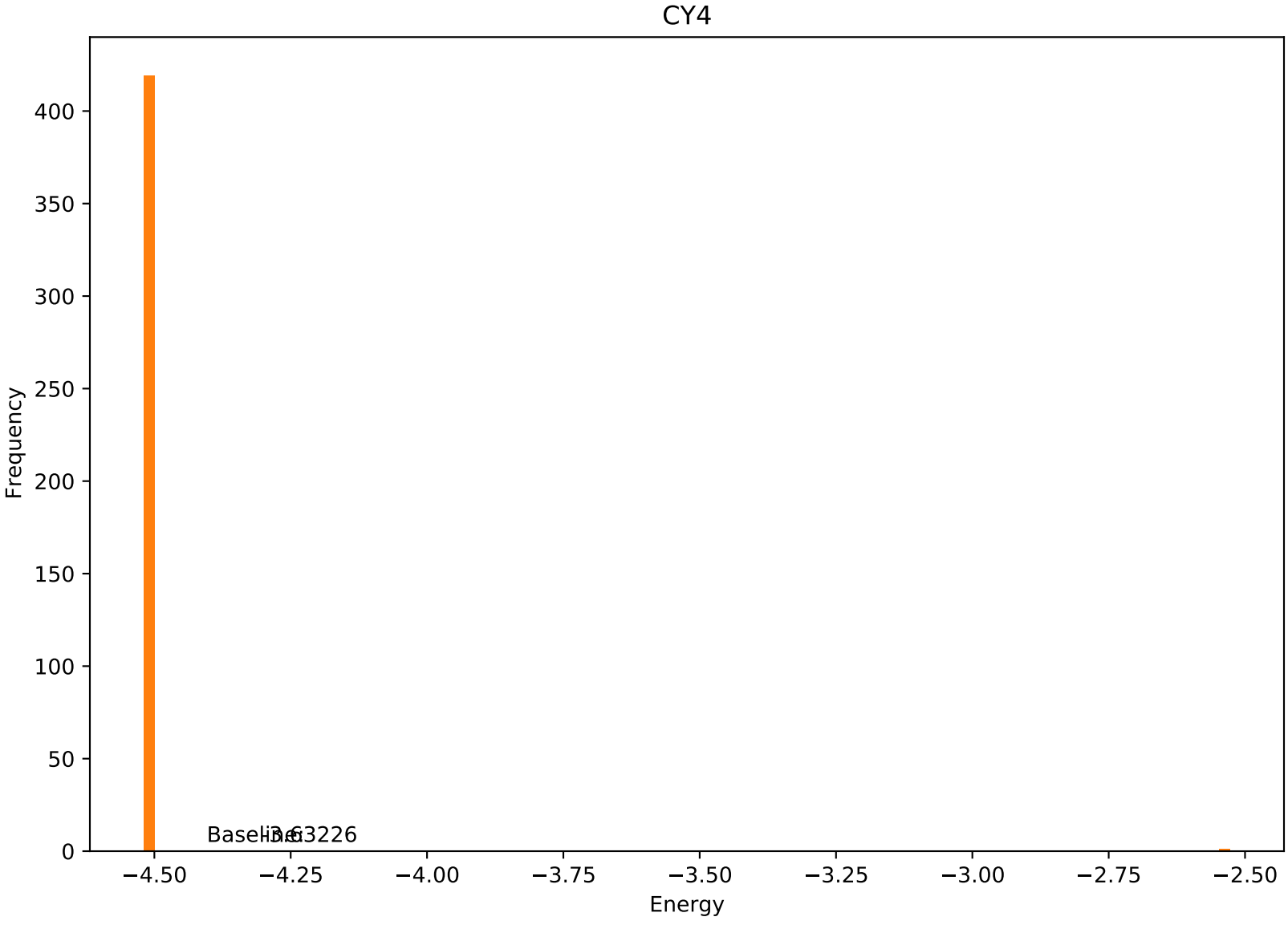

CW9
Frequency
120
100
80
60
40
20
0
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000
Energy

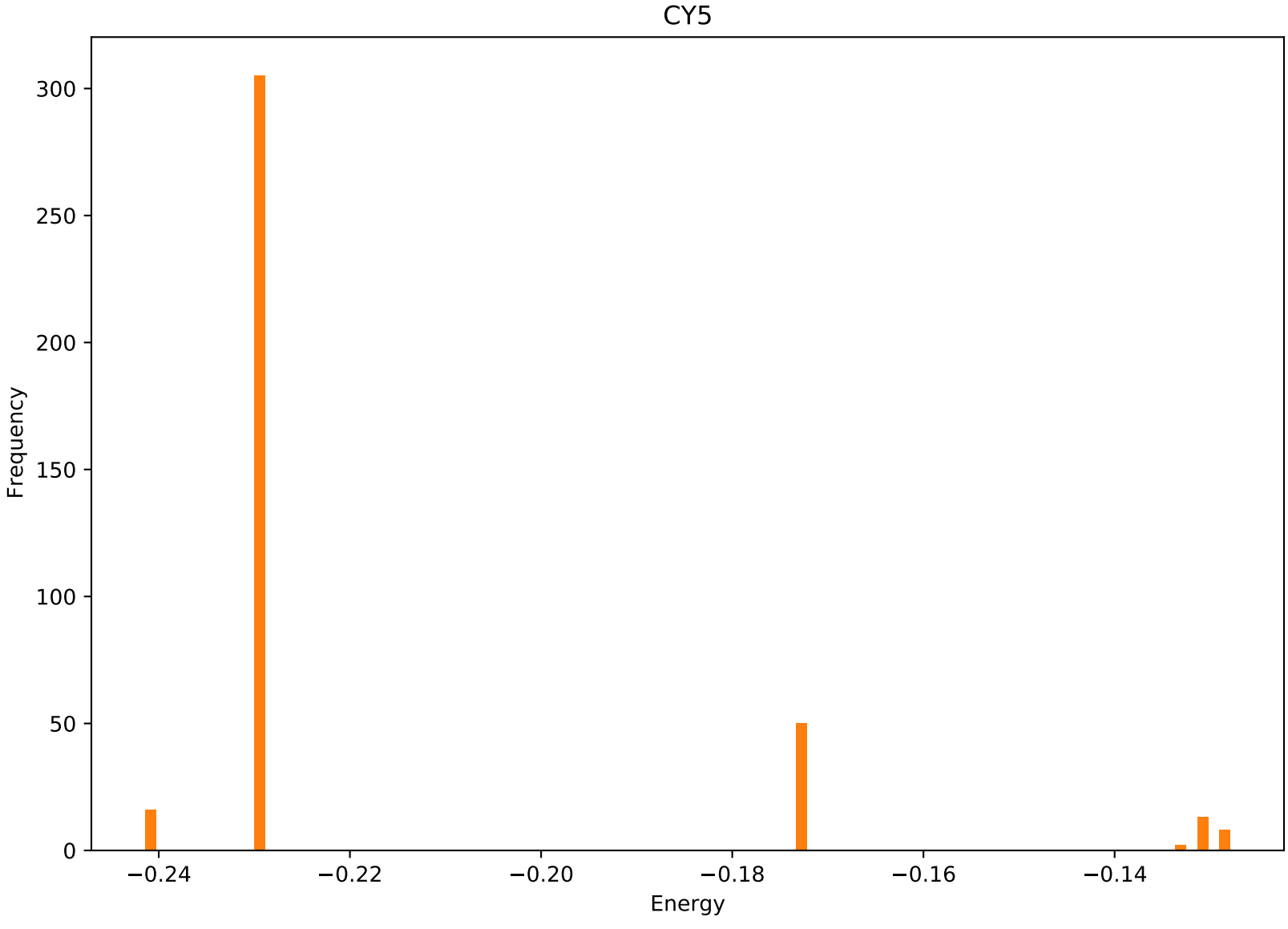

CY1
Frequency
0
50
100
150
200
250
300
350
1.2
1.3
1.4
1.5
1.6
1.7
1.8
Energy

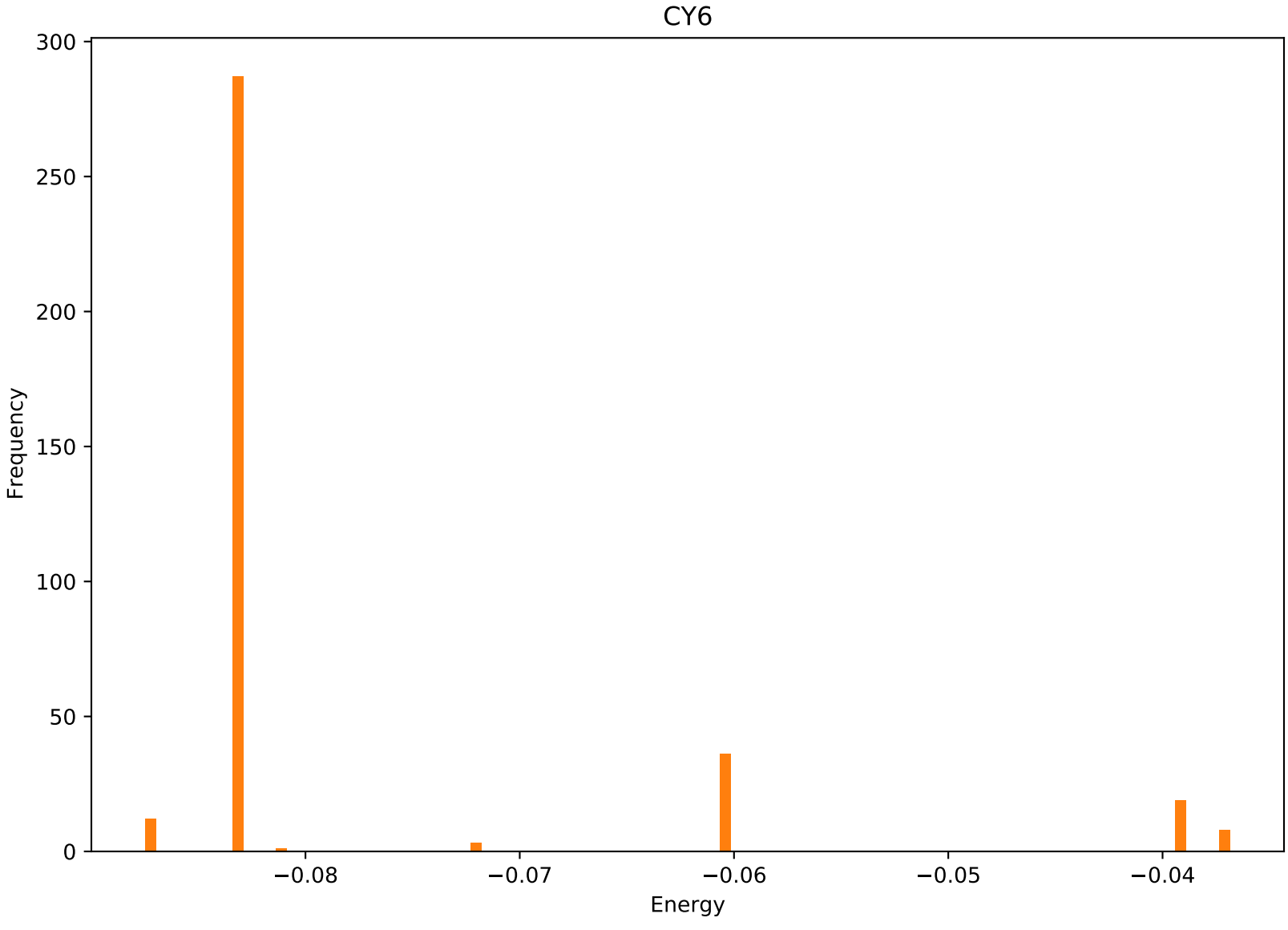

CY10
Frequency
0
50
100
150
200
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy

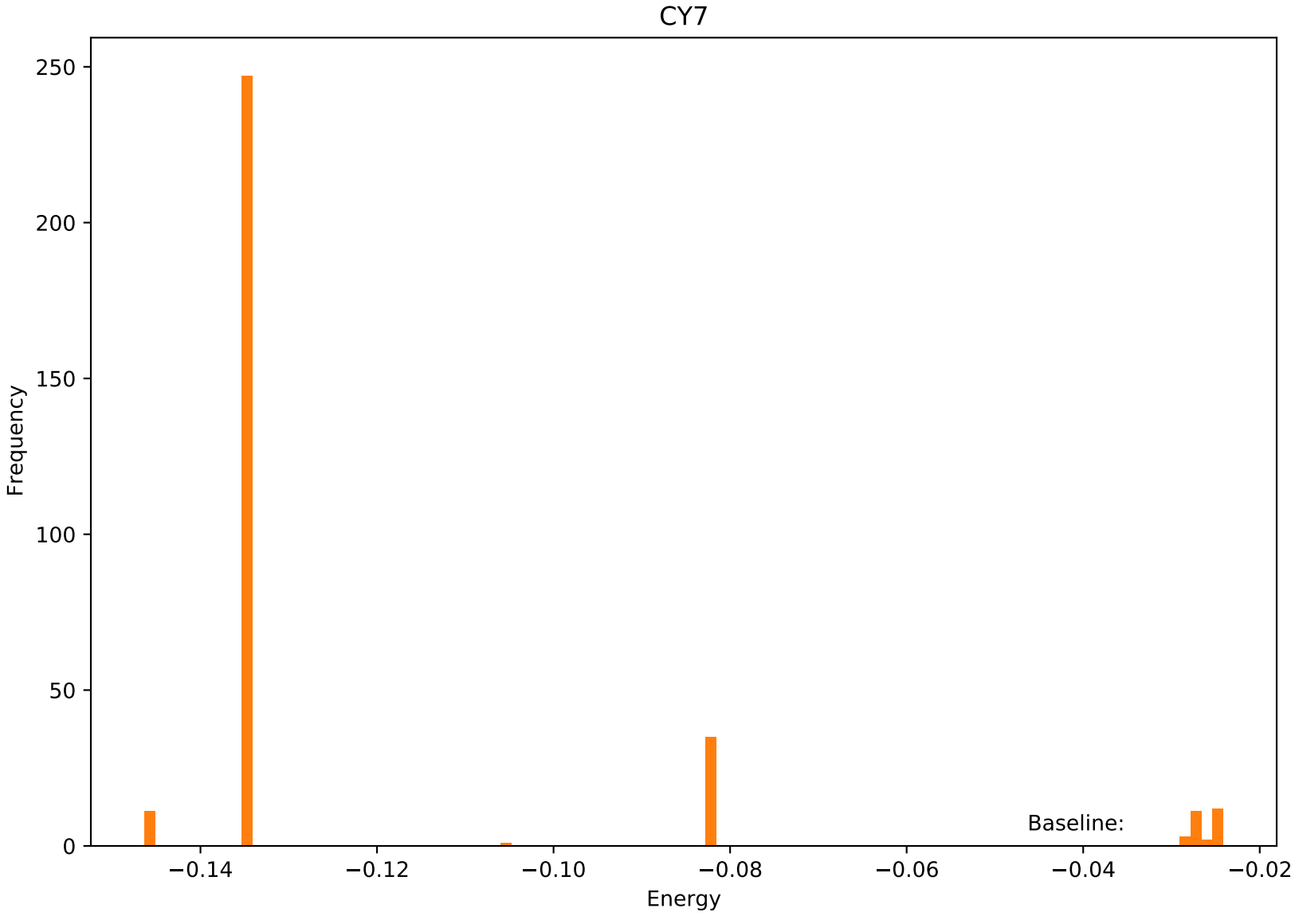

CY2
Frequency
Energy
Baseline:
0
50
100
150
200
250
300
350
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88
−0.86

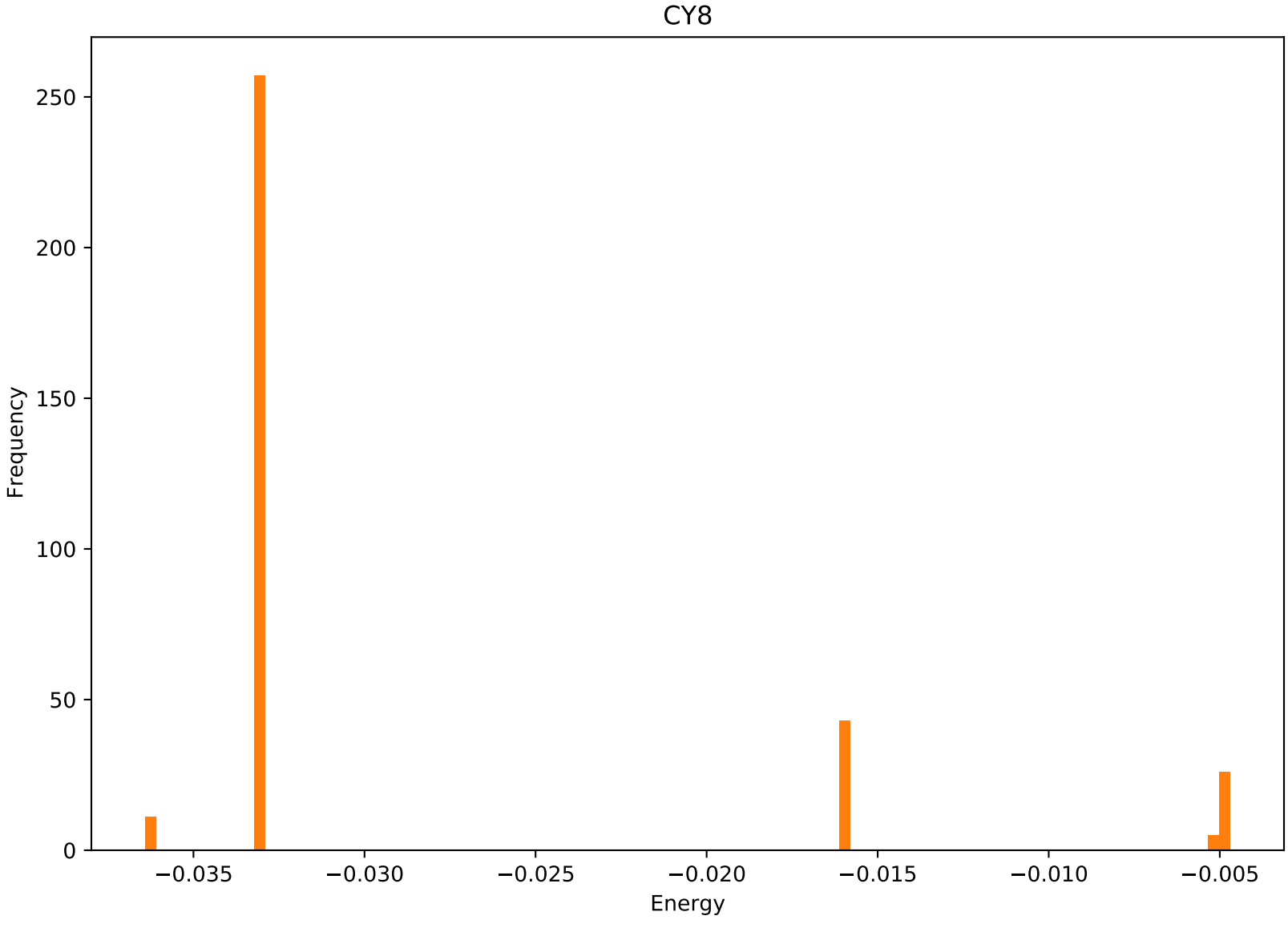

CY3
Frequency
Energy
0
50
100
150
200
250
300
350
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8
−1.6
Baseline:

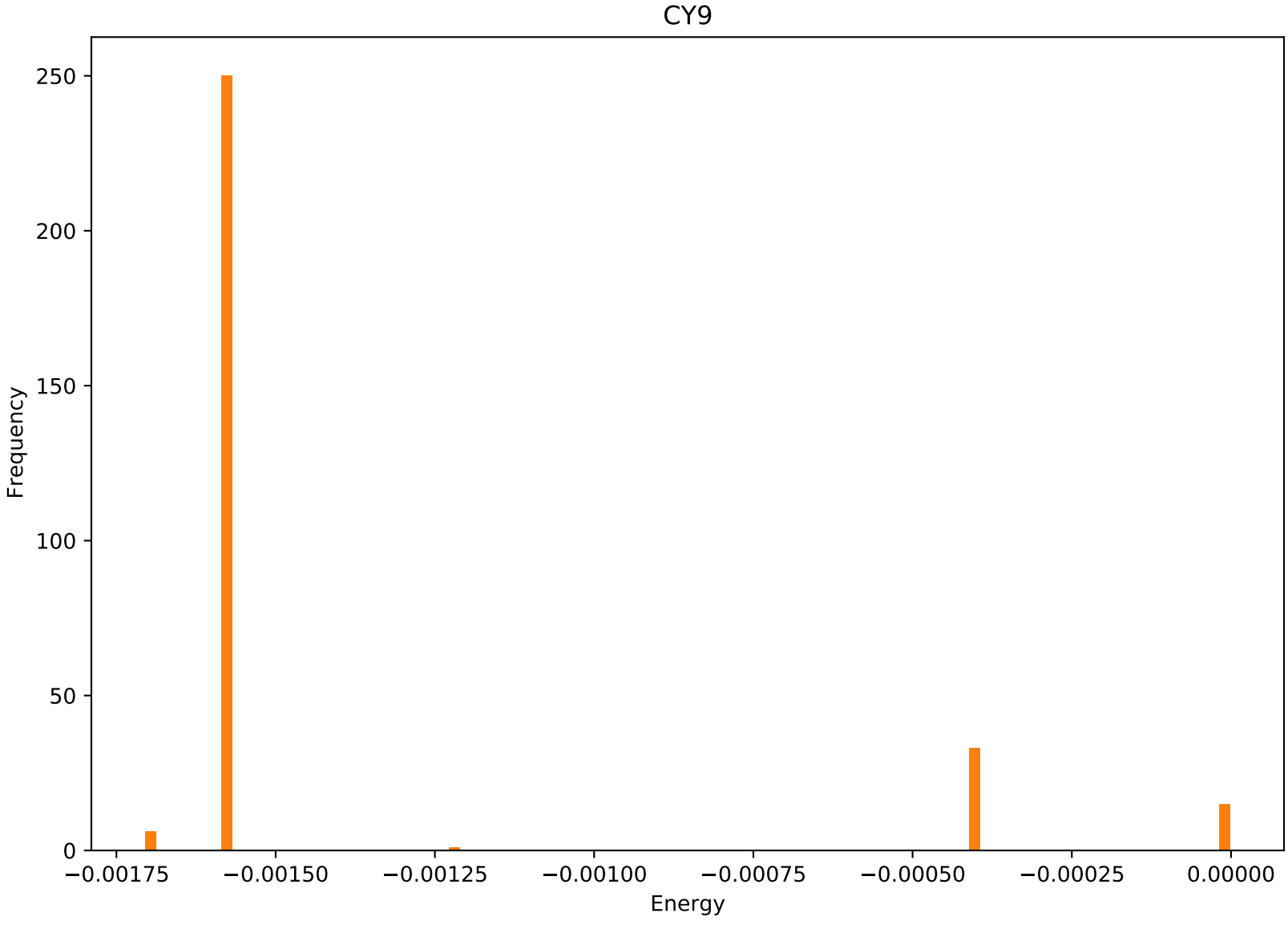

CY4
Frequency
Energy
400
350
300
250
200
150
100
50
0
−4.50
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
Baseline: -3.63226

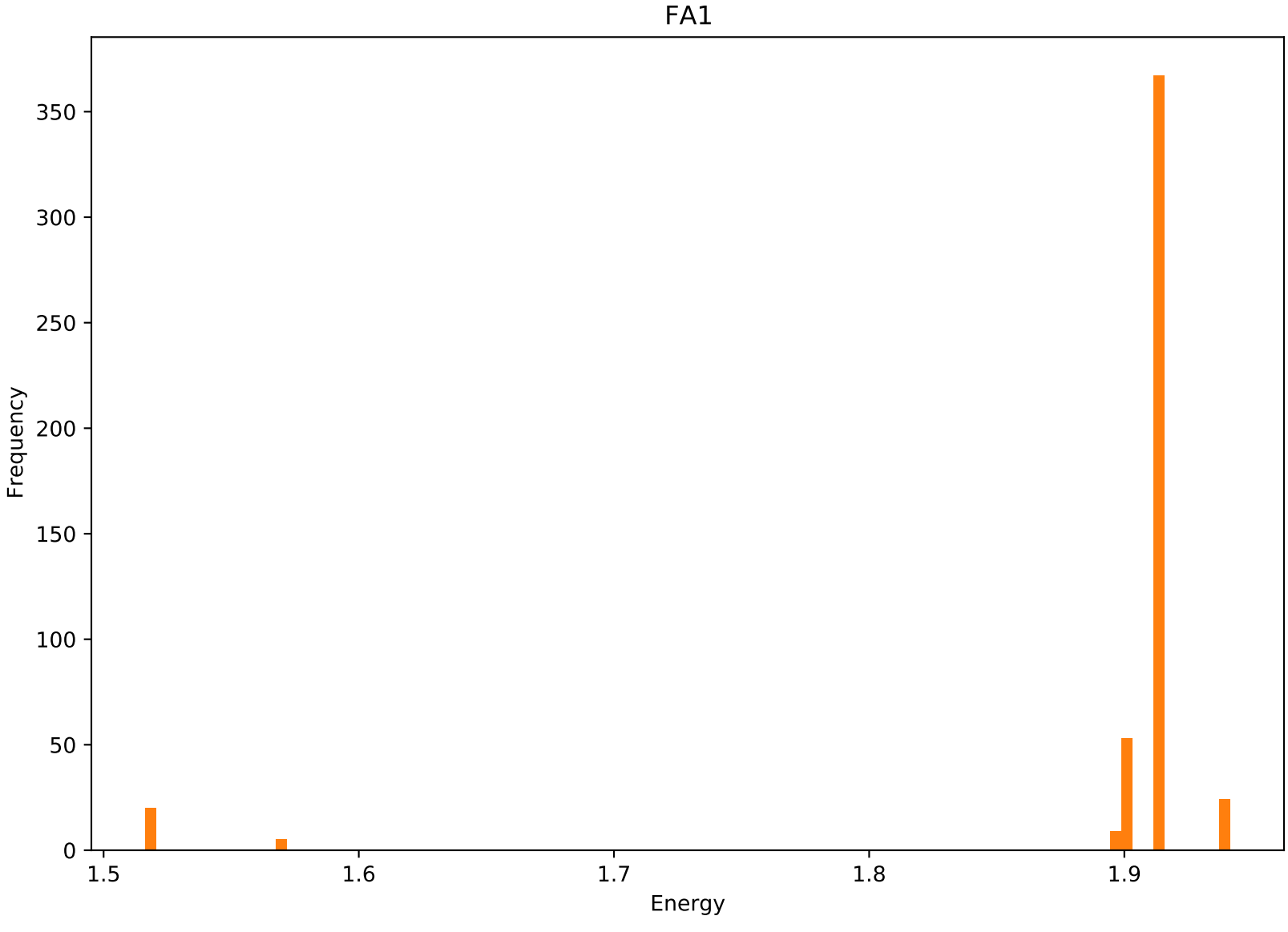

CY5
Frequency
300
250
200
150
100
50
0
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

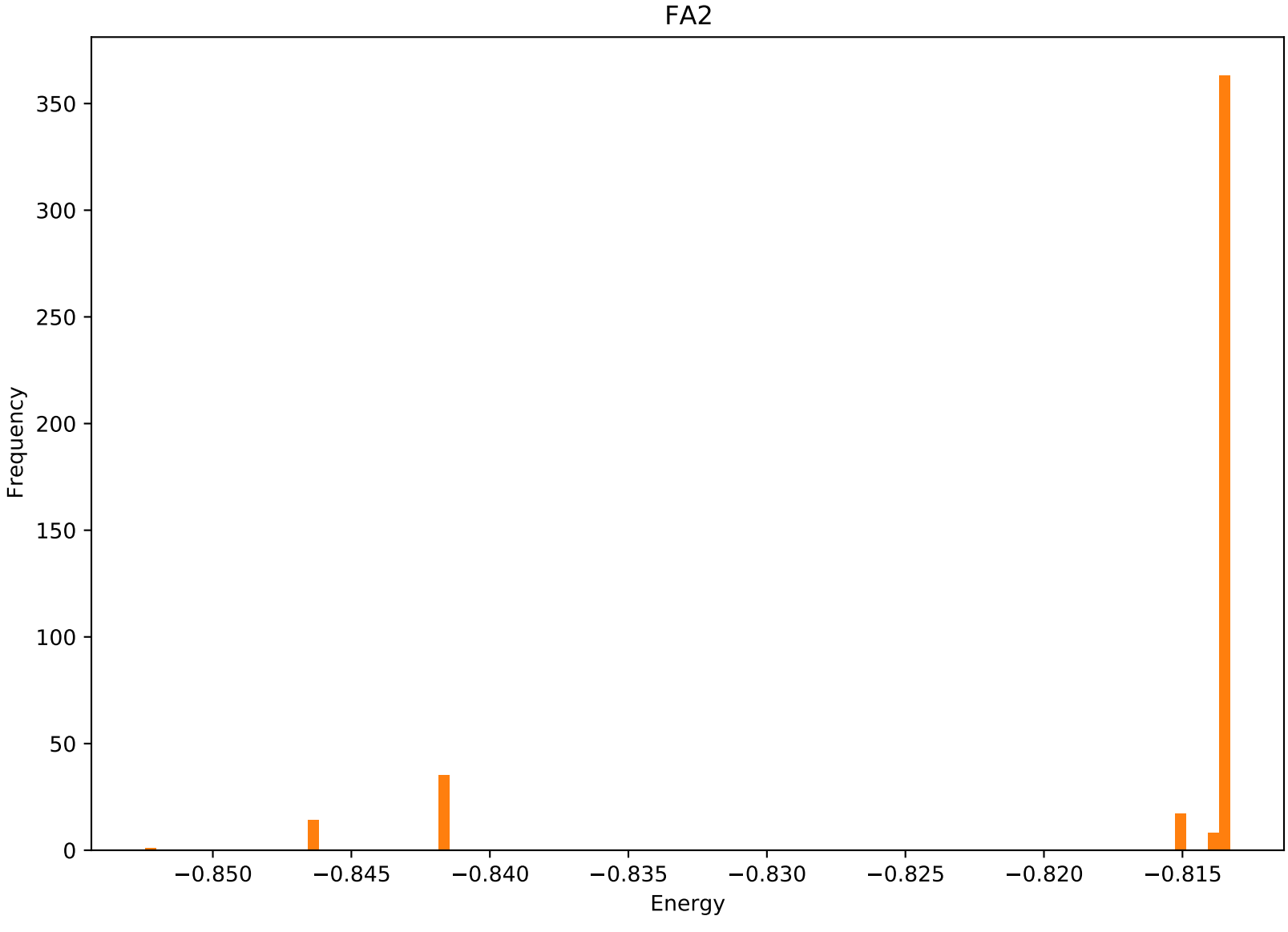

CY6
300
250
200
150
100
50
0
Frequency
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

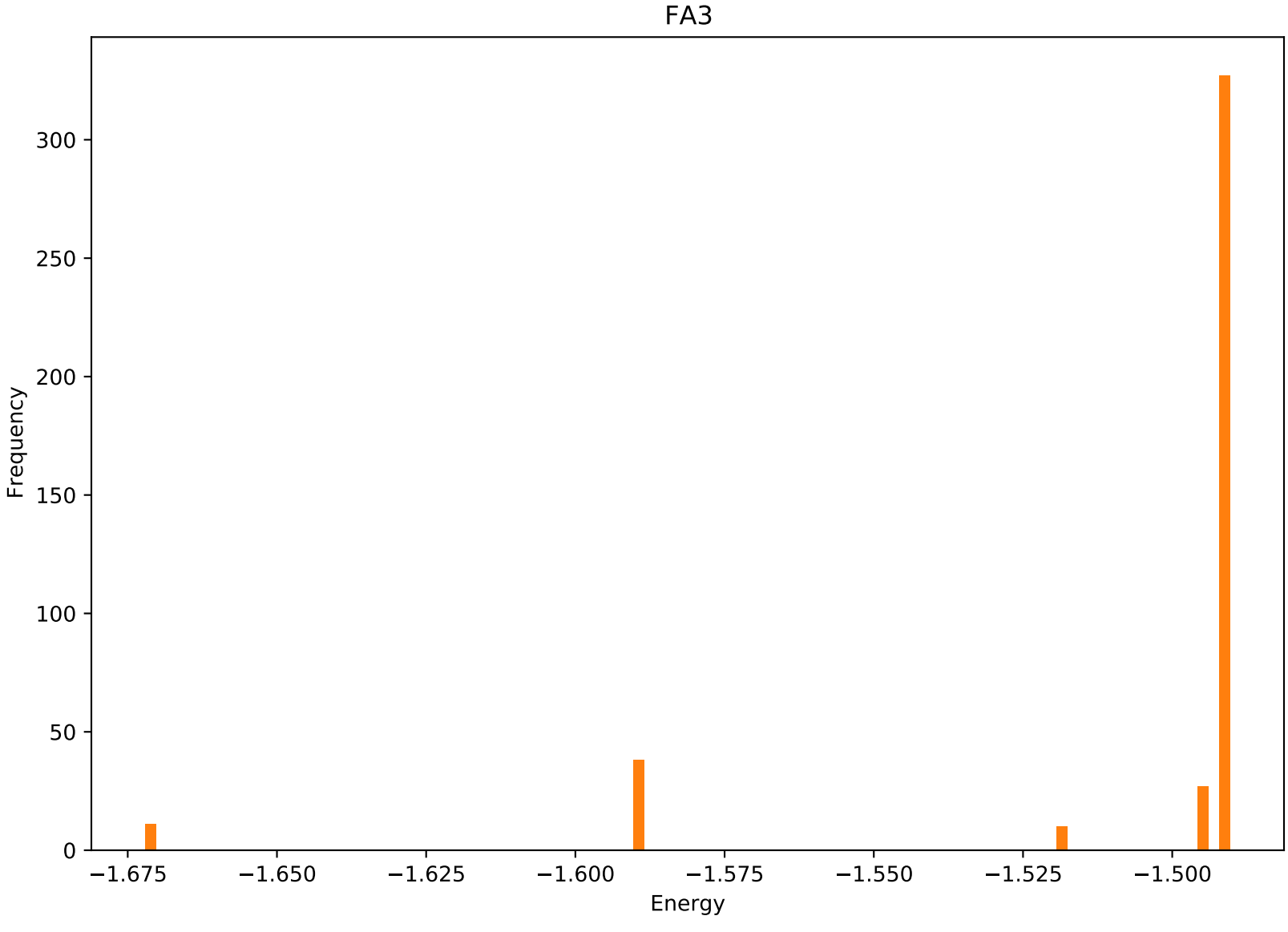

CY7
Frequency
Energy
Baseline:
250
200
150
100
50
0
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
−0.02

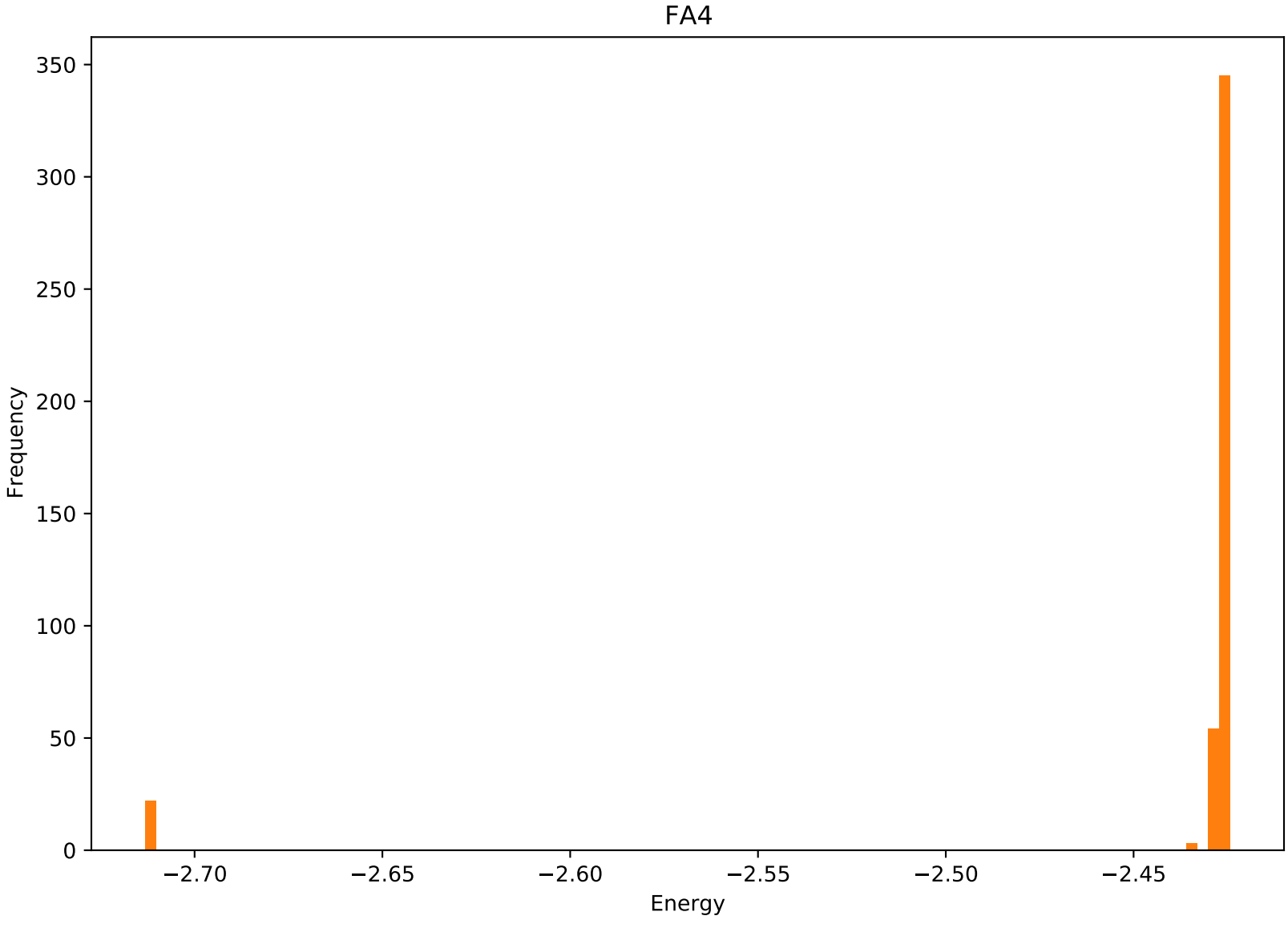

CY8
Frequency
250
200
150
100
50
0
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

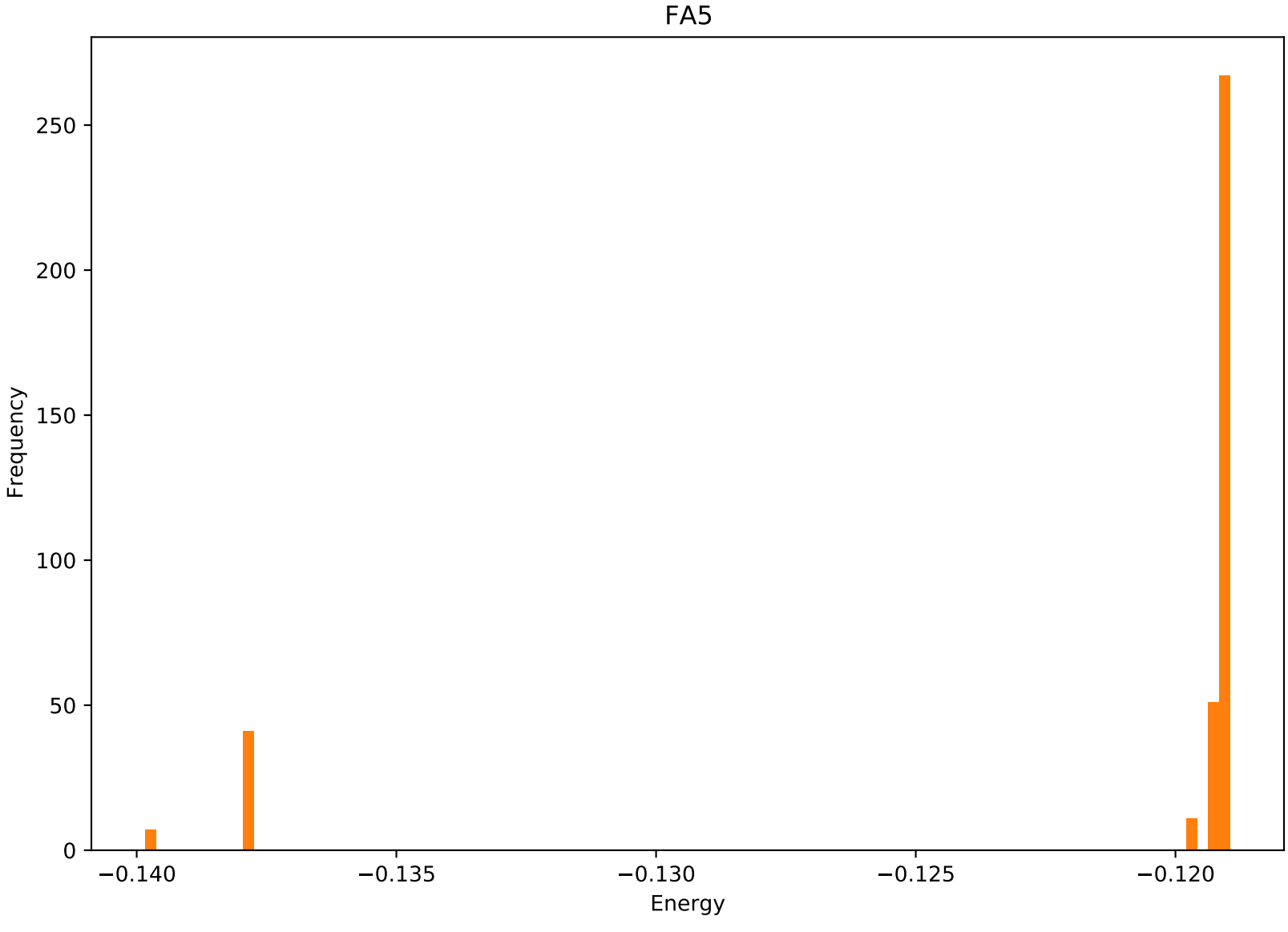

CY9
Frequency
250
200
150
100
50
0
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000
Energy

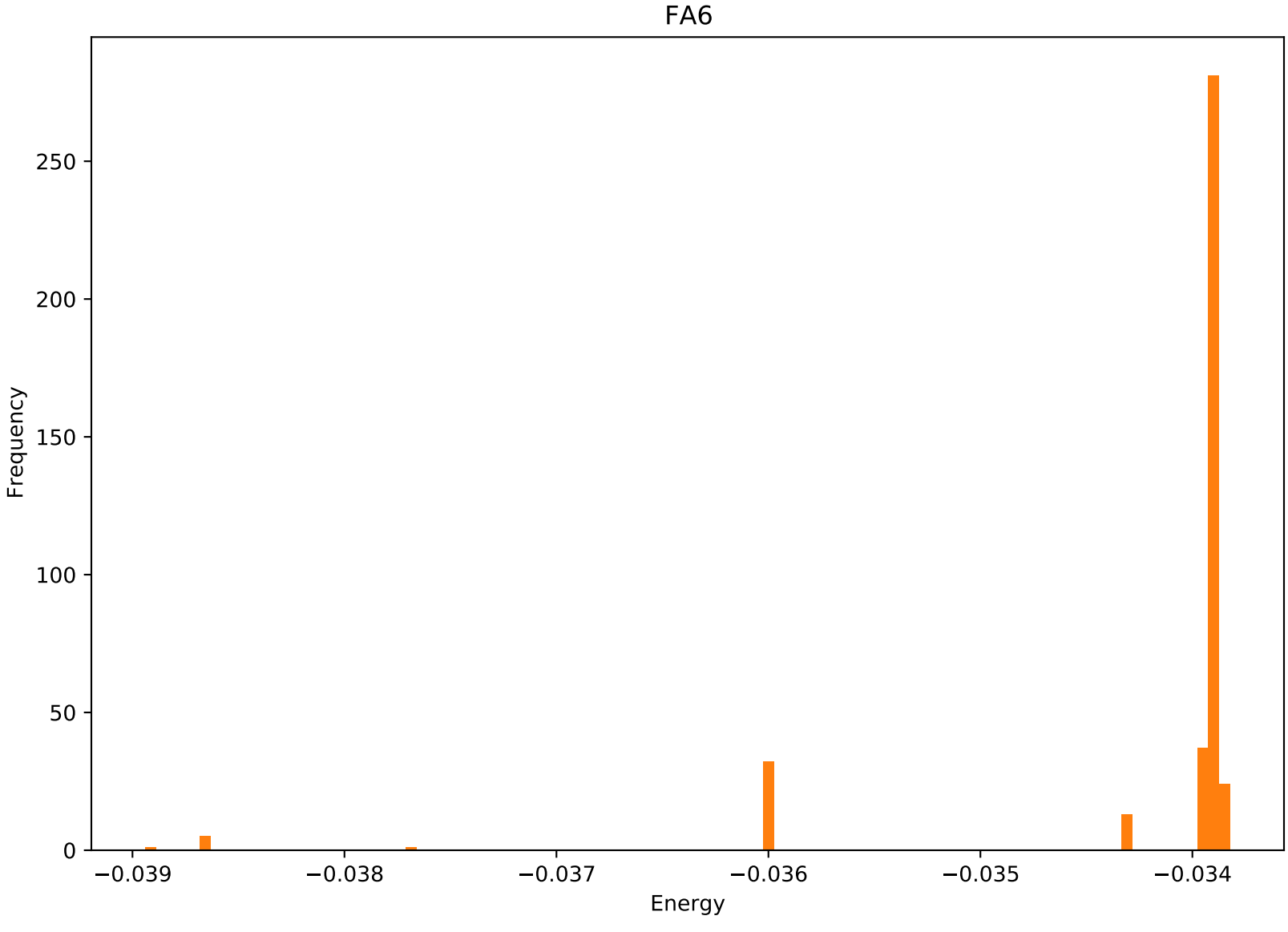

FA1
Frequency
Energy
0
50
100
150
200
250
300
350
1.5
1.6
1.7
1.8
1.9

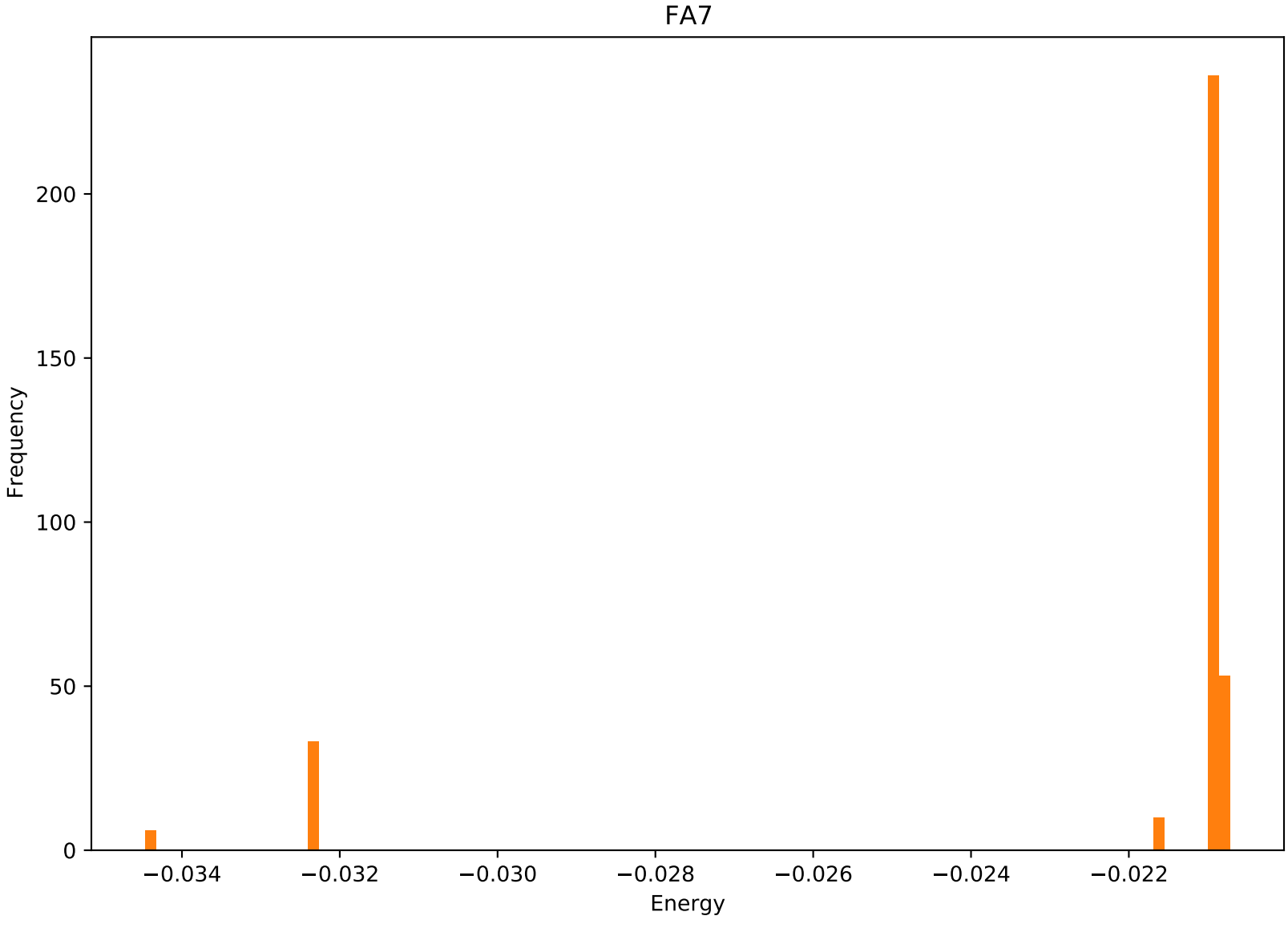

FA2
Frequency
Energy
0
50
100
150
200
250
300
350
−0.850
−0.845
−0.840
−0.835
−0.830
−0.825
−0.820
−0.815

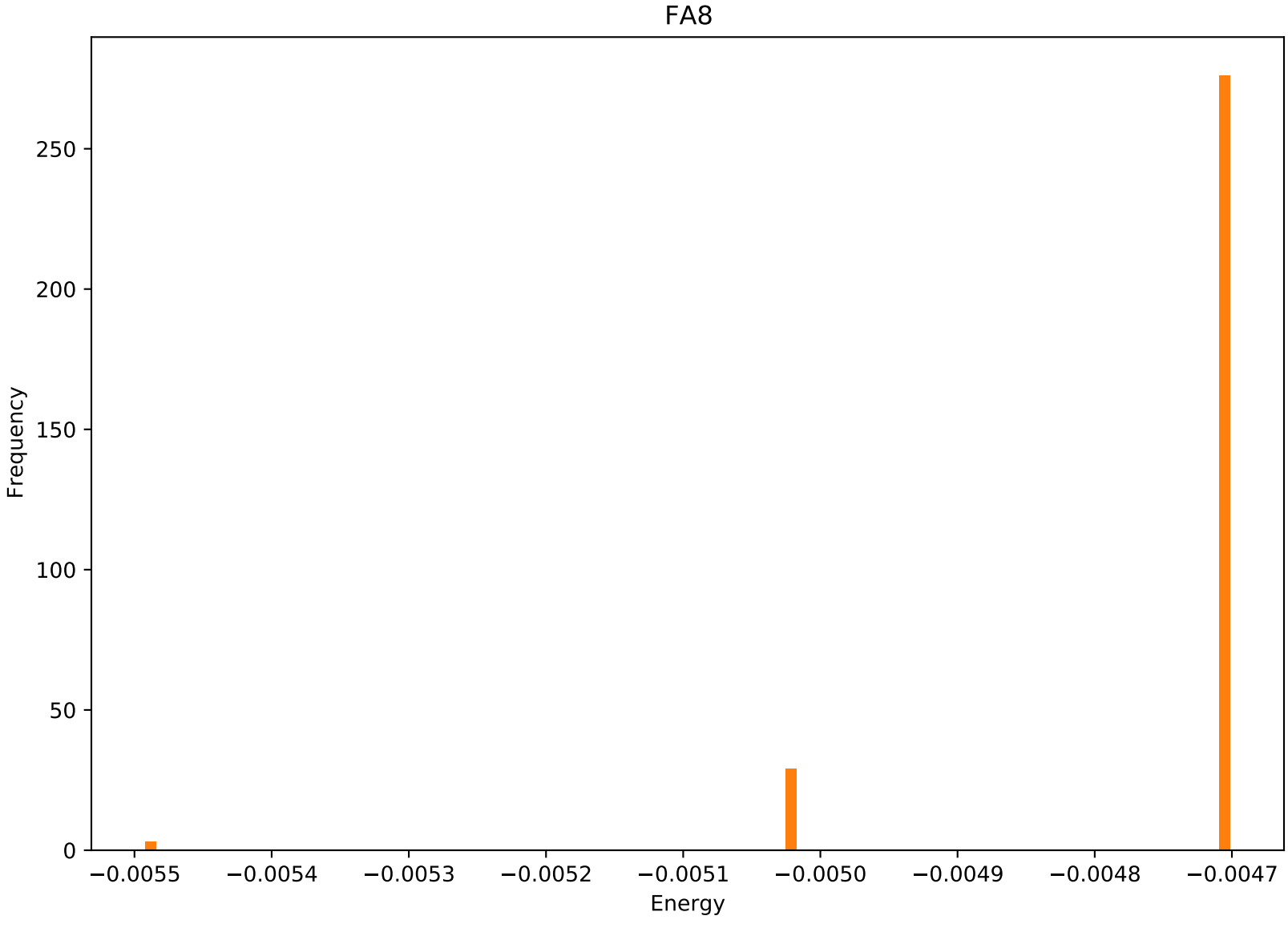

FA3
Frequency
Energy
0
50
100
150
200
250
300
−1.675
−1.650
−1.625
−1.600
−1.575
−1.550
−1.525
−1.500

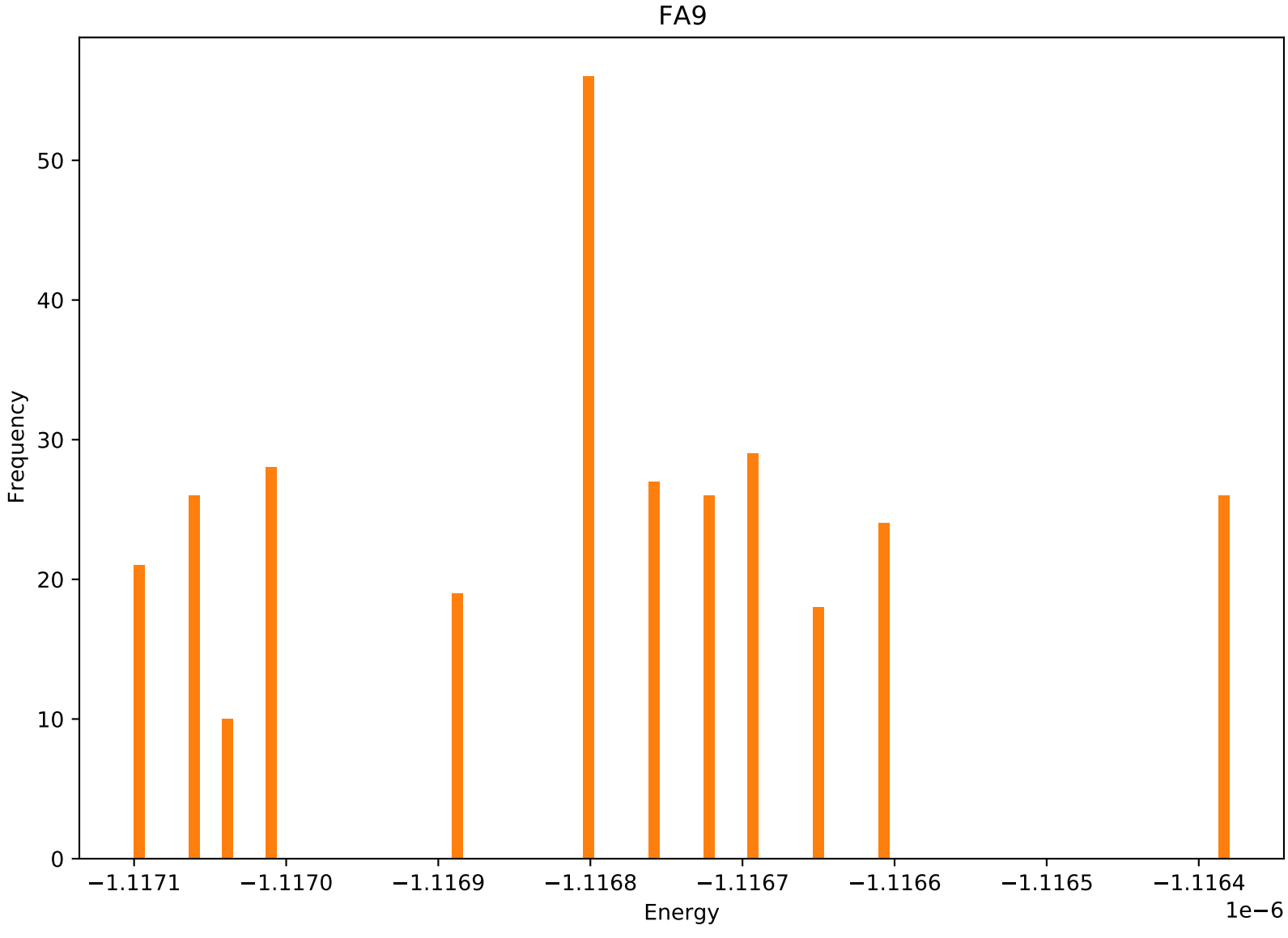

FA4
Frequency
Energy
350
300
250
200
150
100
50
0
−2.70
−2.65
−2.60
−2.55
−2.50
−2.45

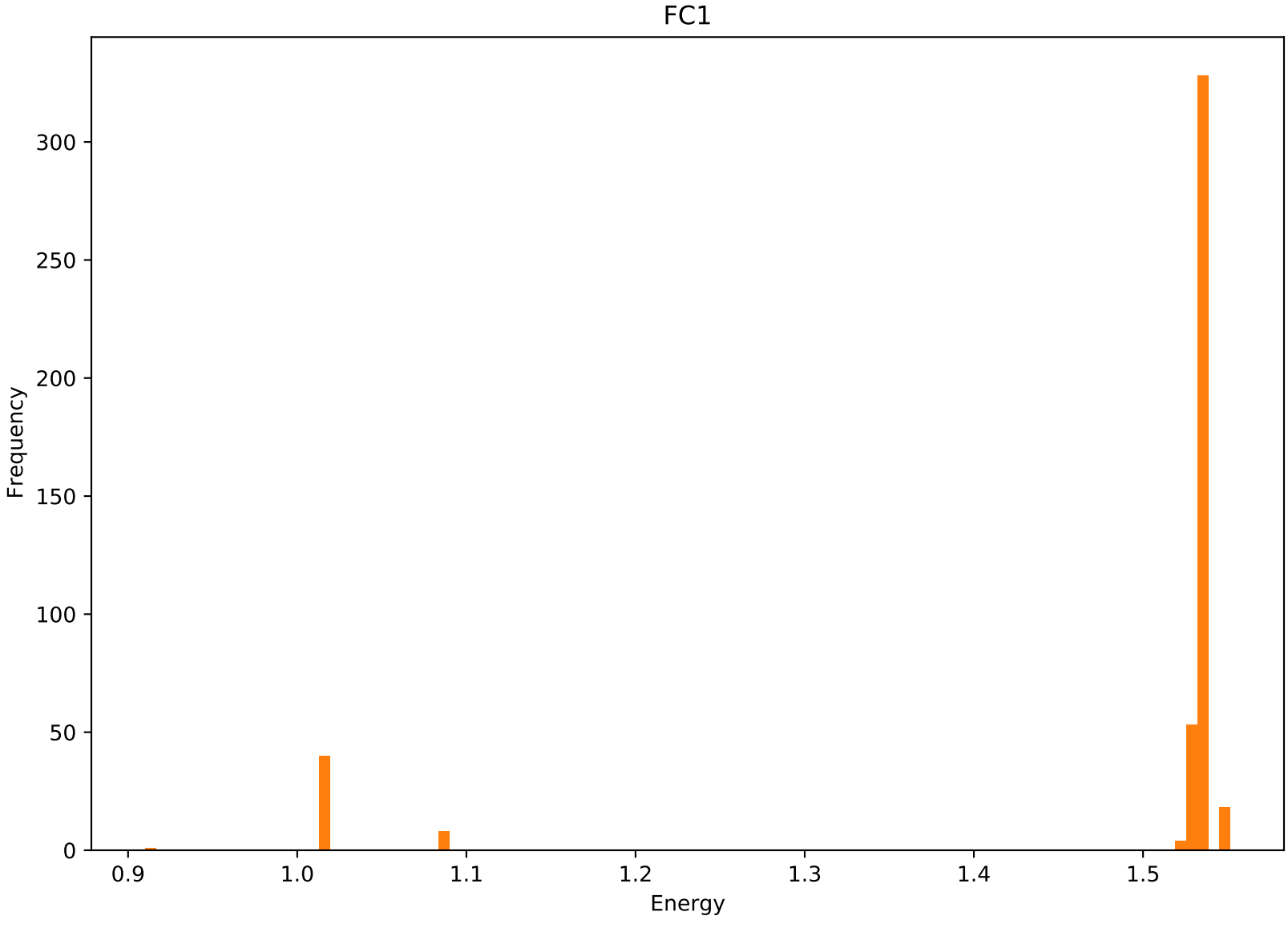

FA5
Frequency
Energy
0
50
100
150
200
250
−0.140
−0.135
−0.130
−0.125
−0.120

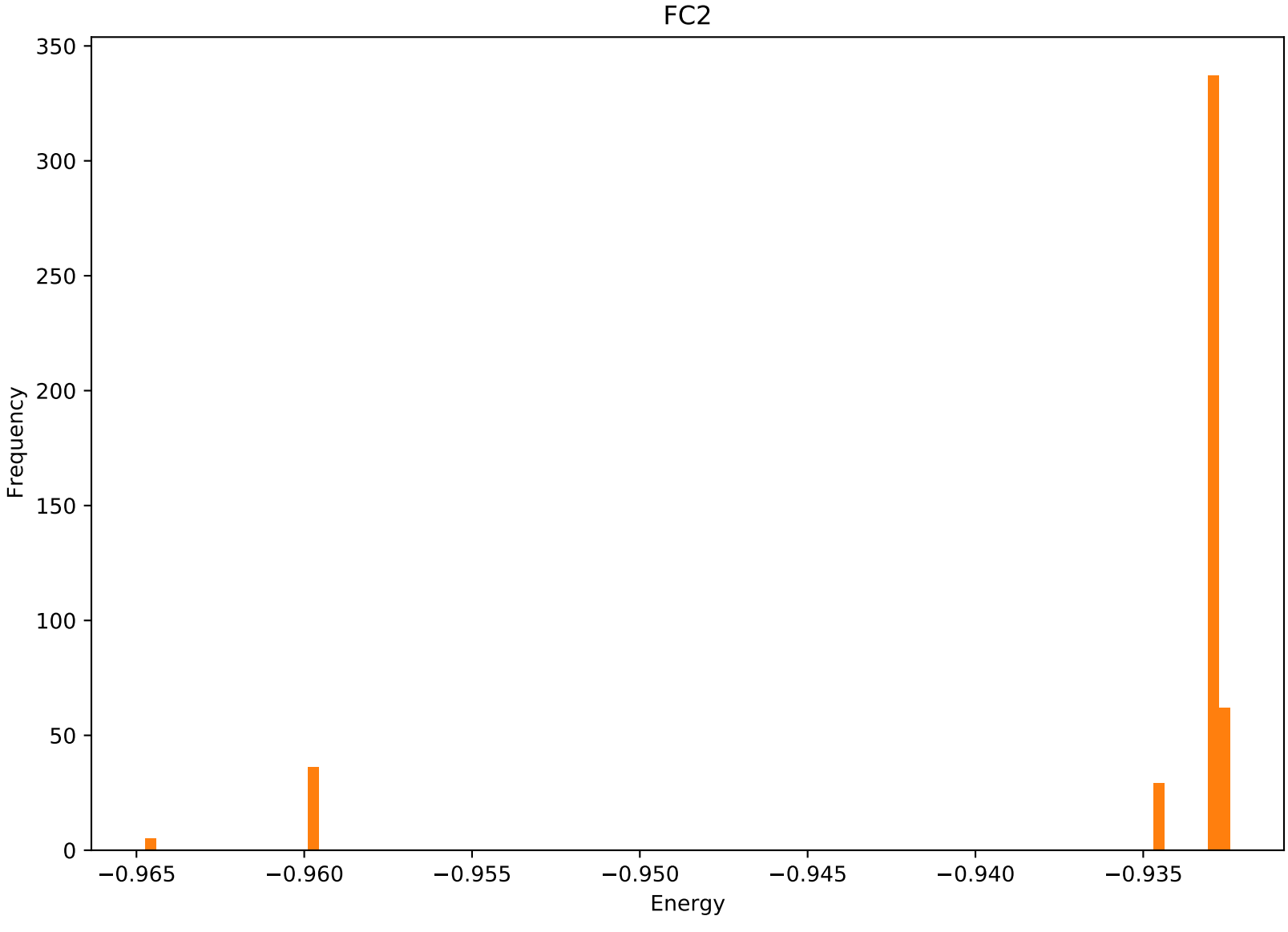

FA6
Frequency
250
200
150
100
50
0
−0.039
−0.038
−0.037
−0.036
−0.035
−0.034
Energy

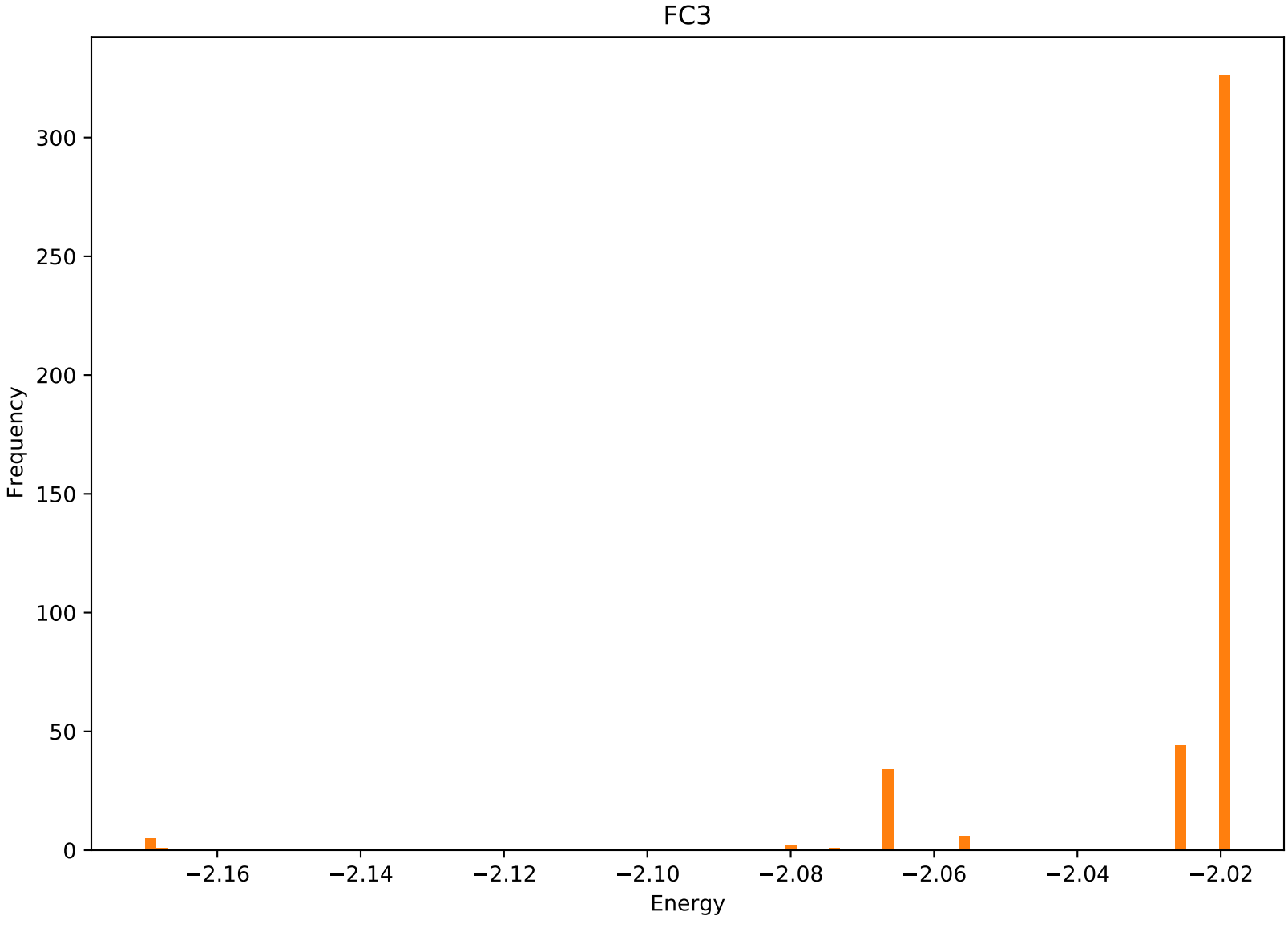

FA7
Frequency
200
150
100
50
0
−0.034
−0.032
−0.030
−0.028
−0.026
−0.024
−0.022
Energy

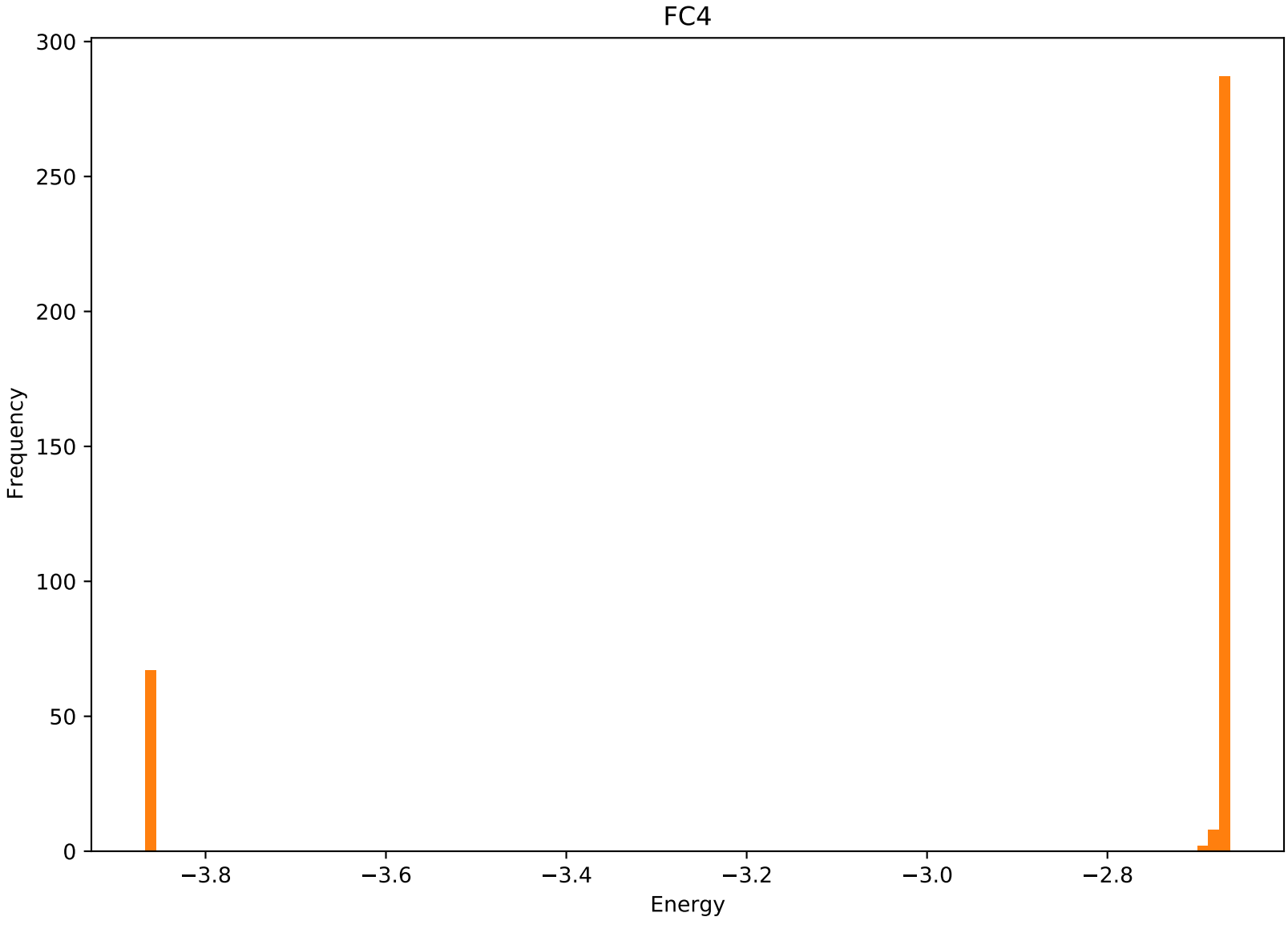

FA8
Frequency
250
200
150
100
50
0
−0.0055
−0.0054
−0.0053
−0.0052
−0.0051
−0.0050
−0.0049
−0.0048
−0.0047
Energy

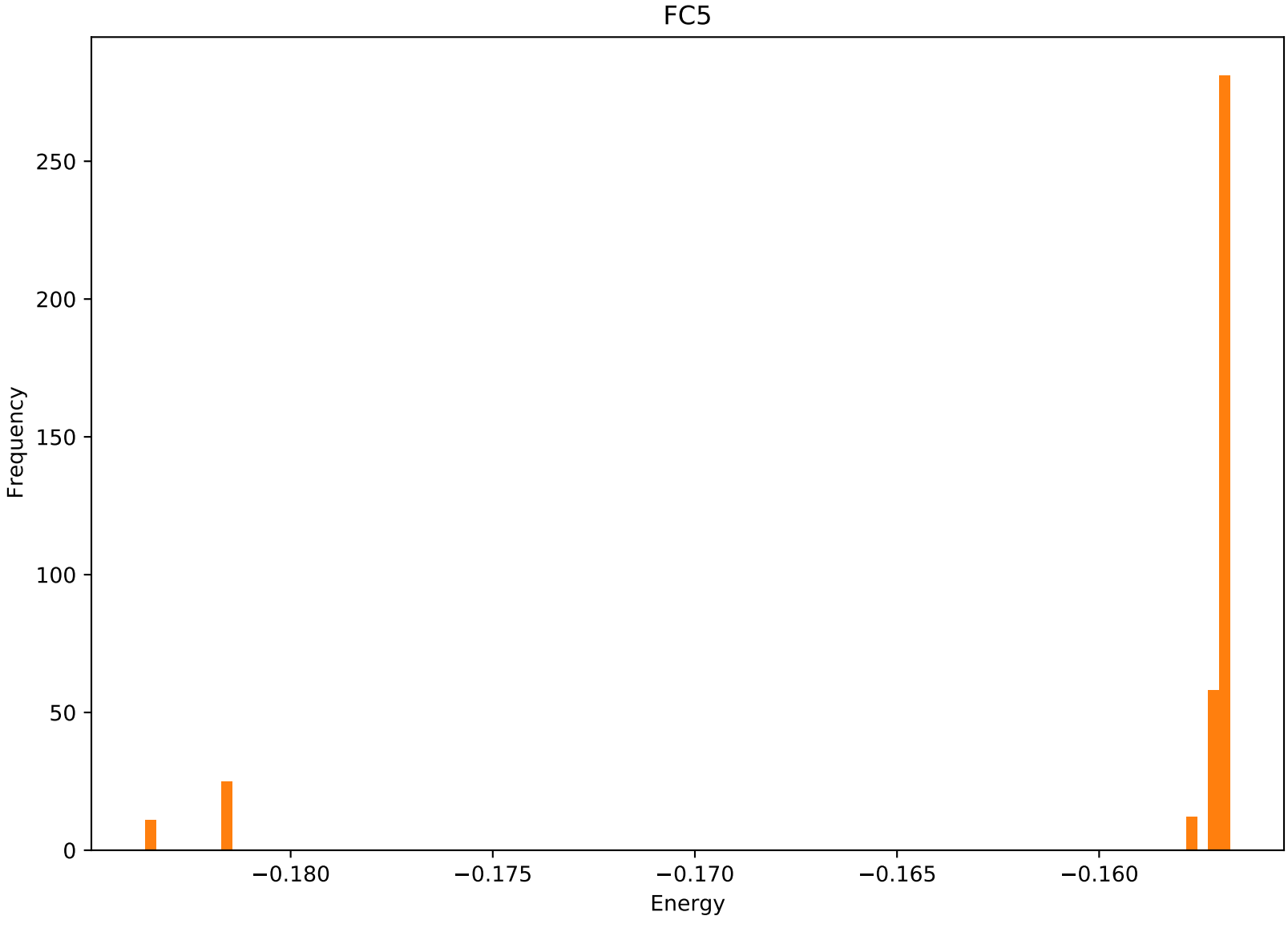

FA9
Frequency
0
10
20
30
40
50
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

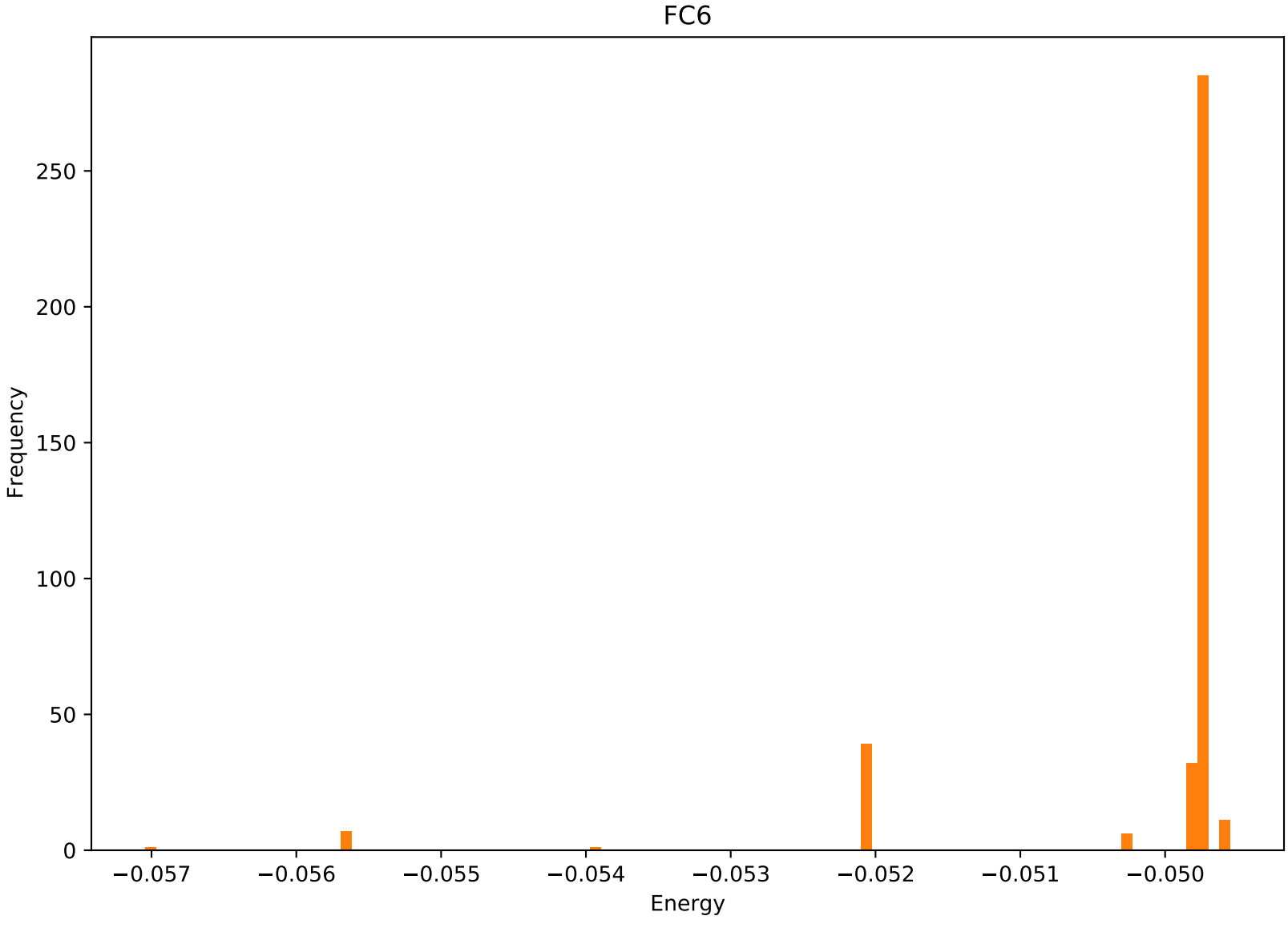

FC1
Frequency
Energy
0
50
100
150
200
250
300
0.9
1.0
1.1
1.2
1.3
1.4
1.5

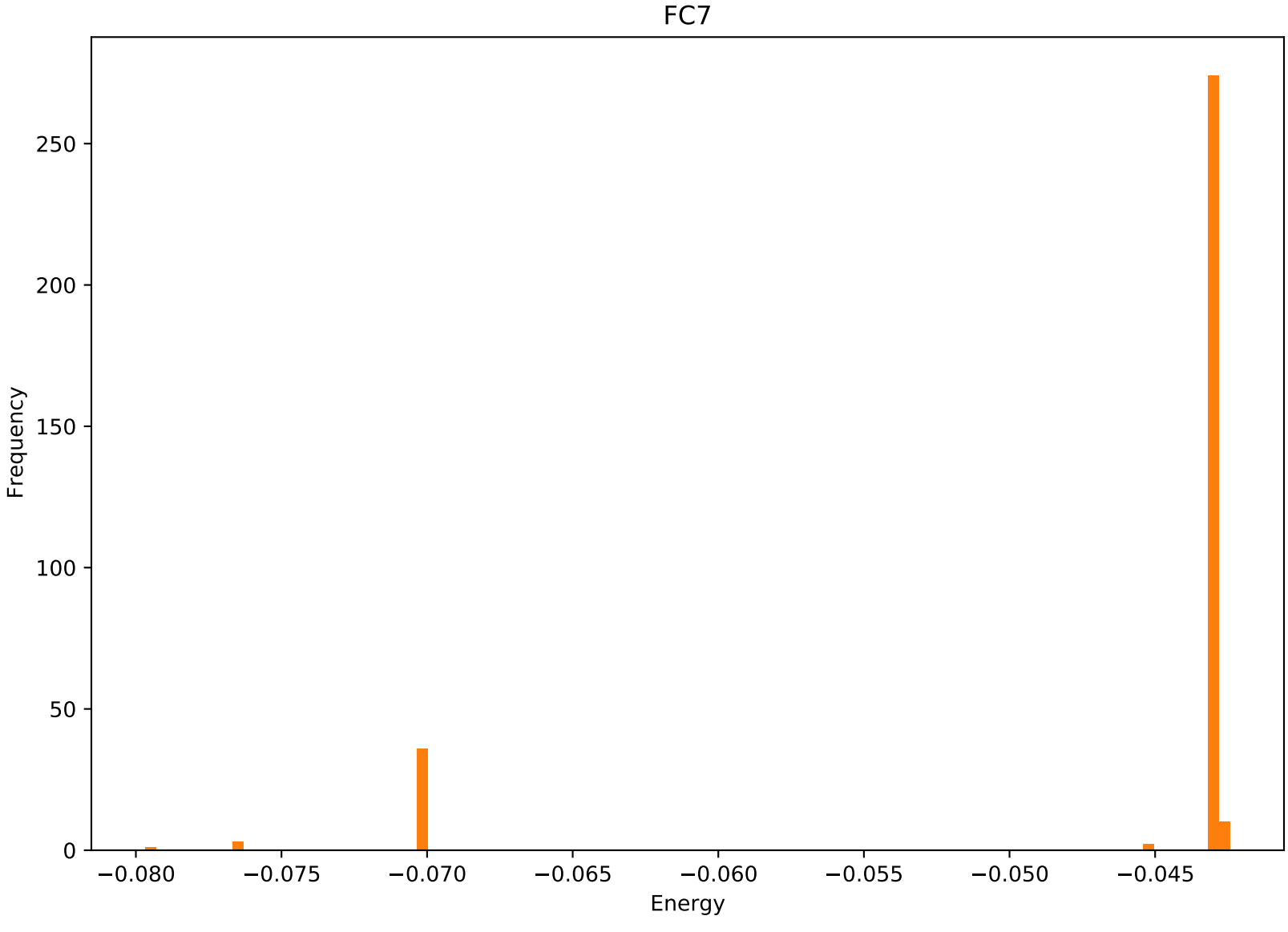

FC2
350
300
250
200
150
100
50
0
Frequency
−0.965
−0.960
−0.955
−0.950
−0.945
−0.940
−0.935
Energy

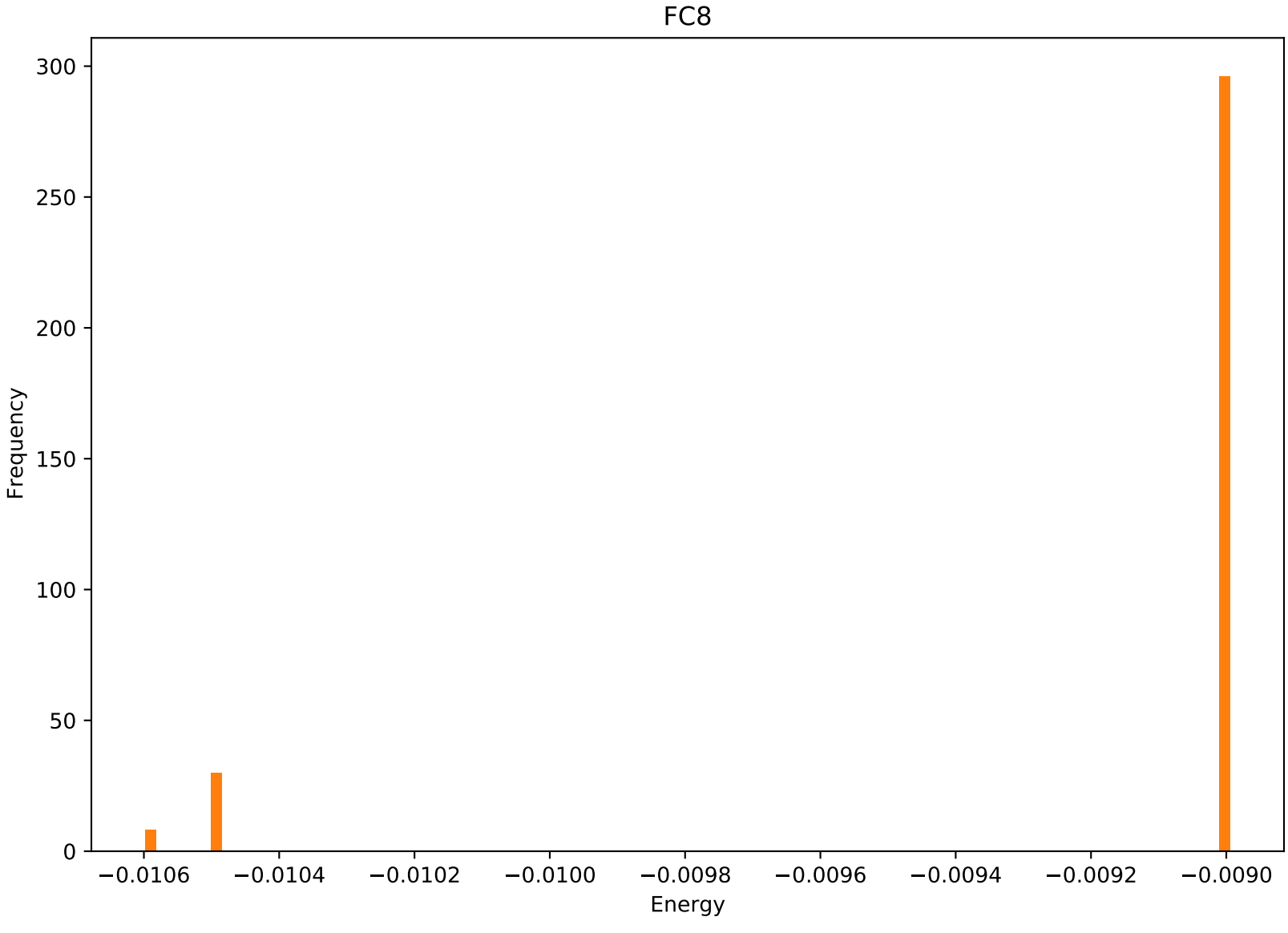

FC3
Frequency
300
250
200
150
100
50
0
−2.16
−2.14
−2.12
−2.10
−2.08
−2.06
−2.04
−2.02
Energy

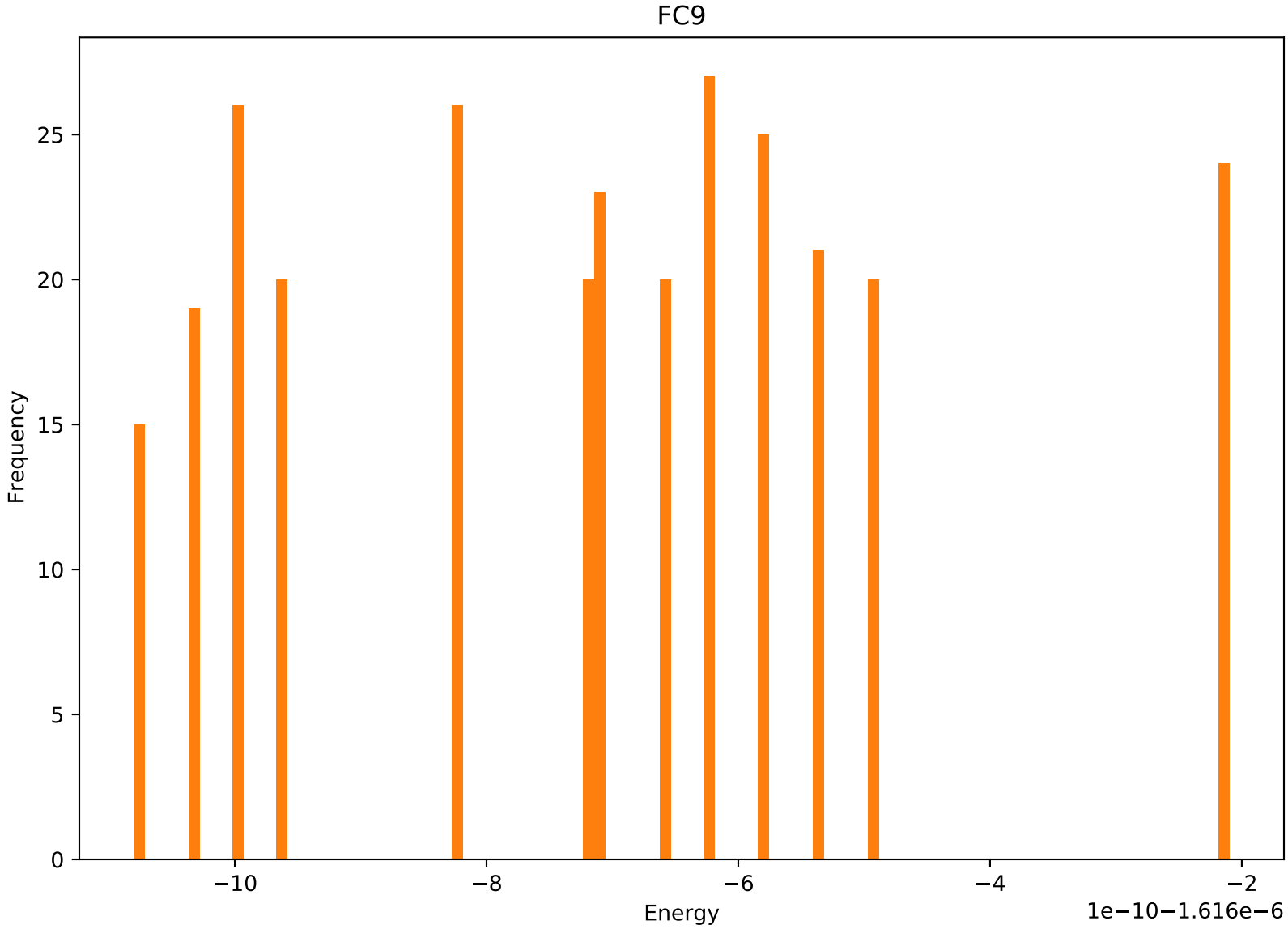

FC4
300
250
200
150
100
50
0
Frequency
−3.8
−3.6
−3.4
−3.2
−3.0
−2.8
Energy

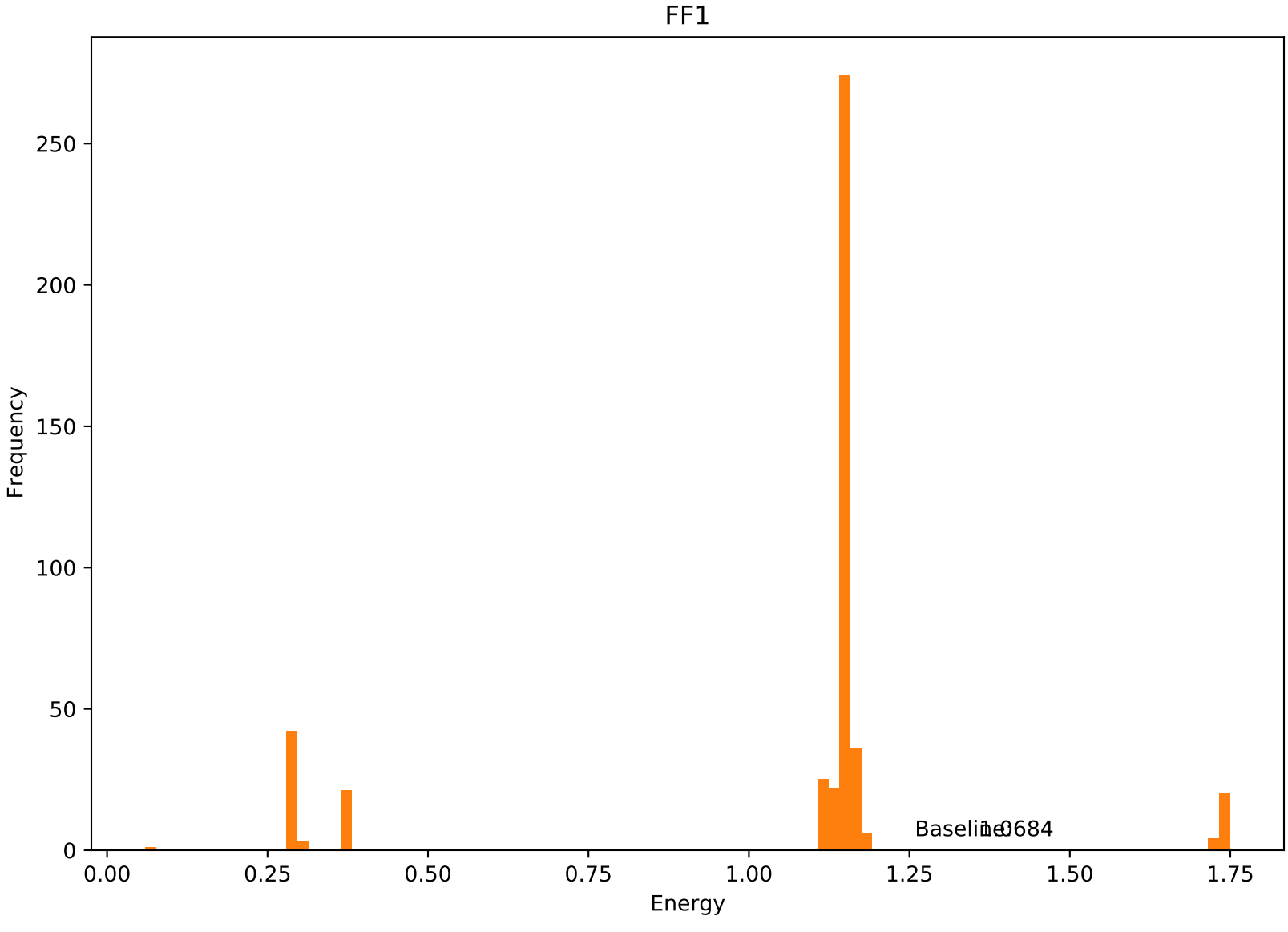

FC5
Frequency
250
200
150
100
50
0
−0.180
−0.175
−0.170
−0.165
−0.160
Energy

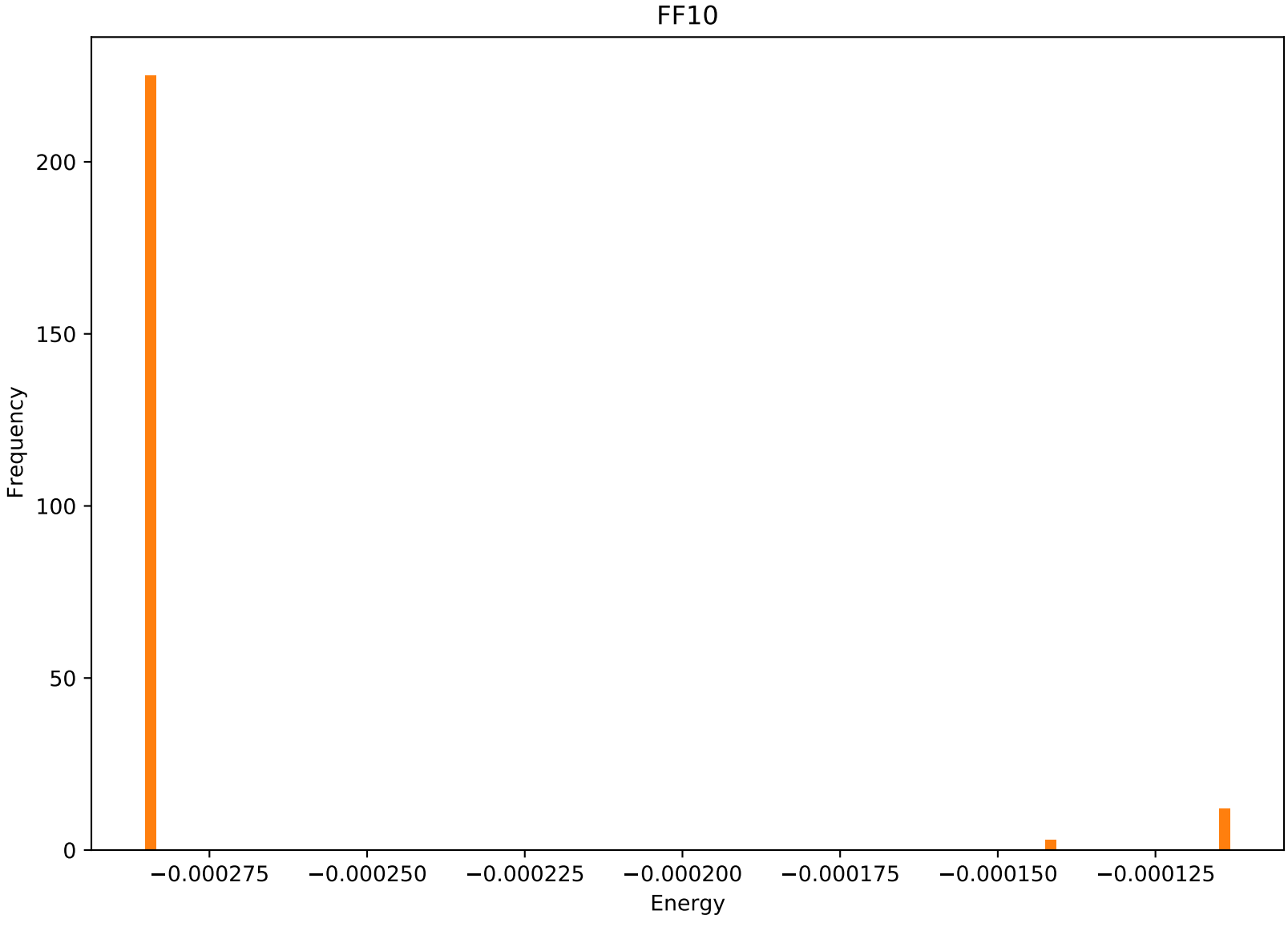

FC6
Frequency
0
50
100
150
200
250
−0.057
−0.056
−0.055
−0.054
−0.053
−0.052
−0.051
−0.050
Energy

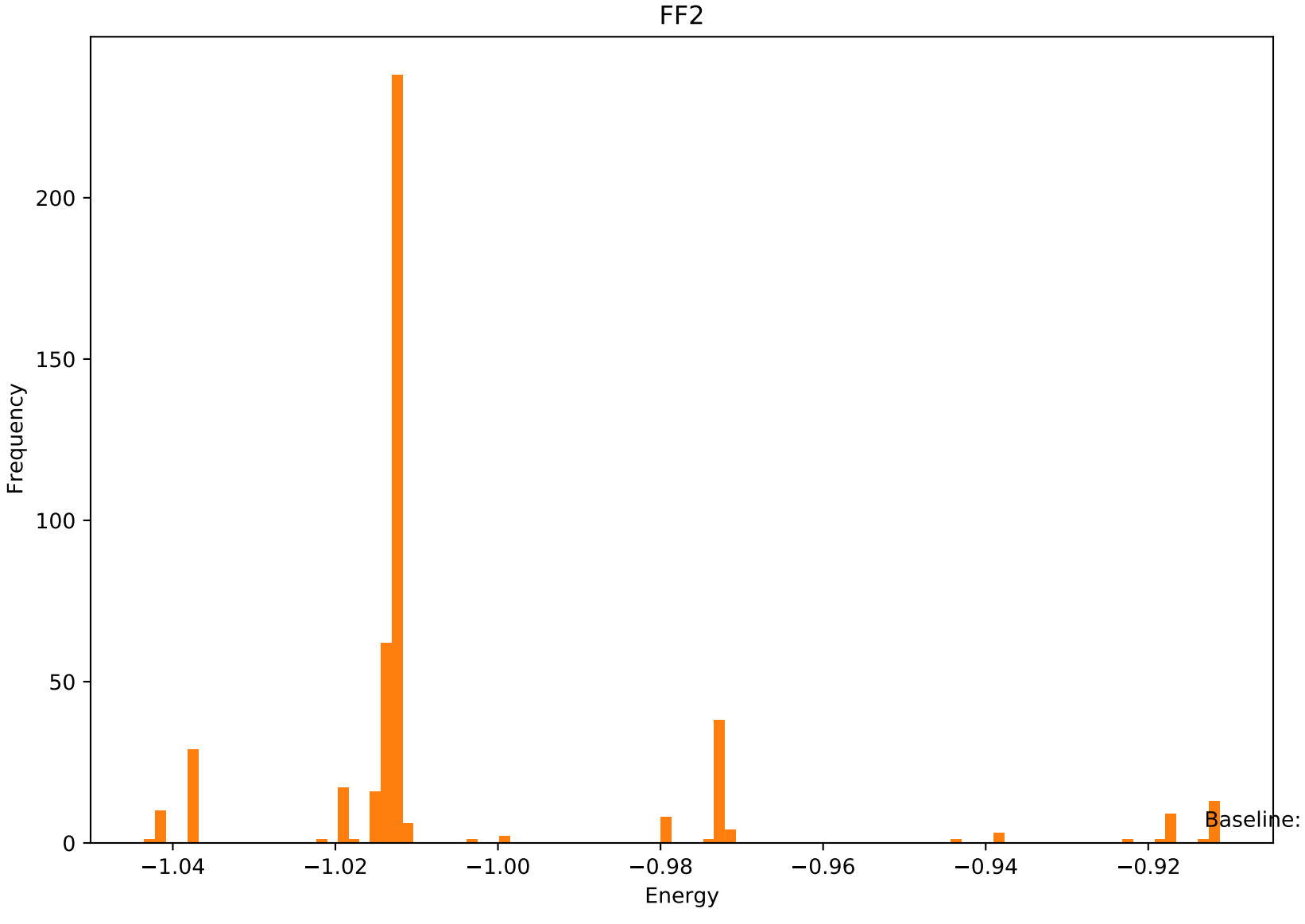

FC7
Frequency
250
200
150
100
50
0
−0.080
−0.075
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
Energy

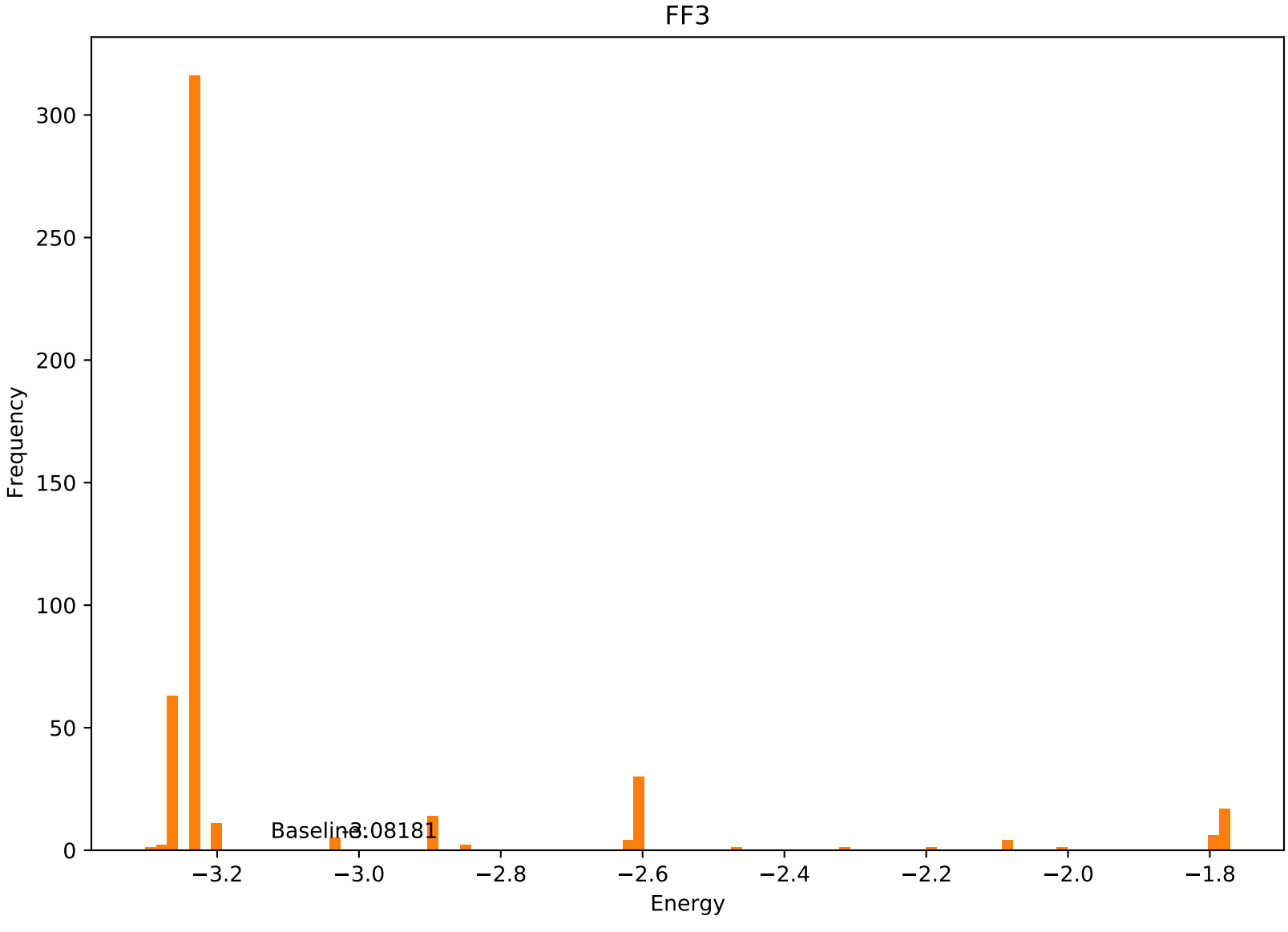

FC8
Frequency
Energy
300
250
200
150
100
50
0
−0.0106
−0.0104
−0.0102
−0.0100
−0.0098
−0.0096
−0.0094
−0.0092
−0.0090

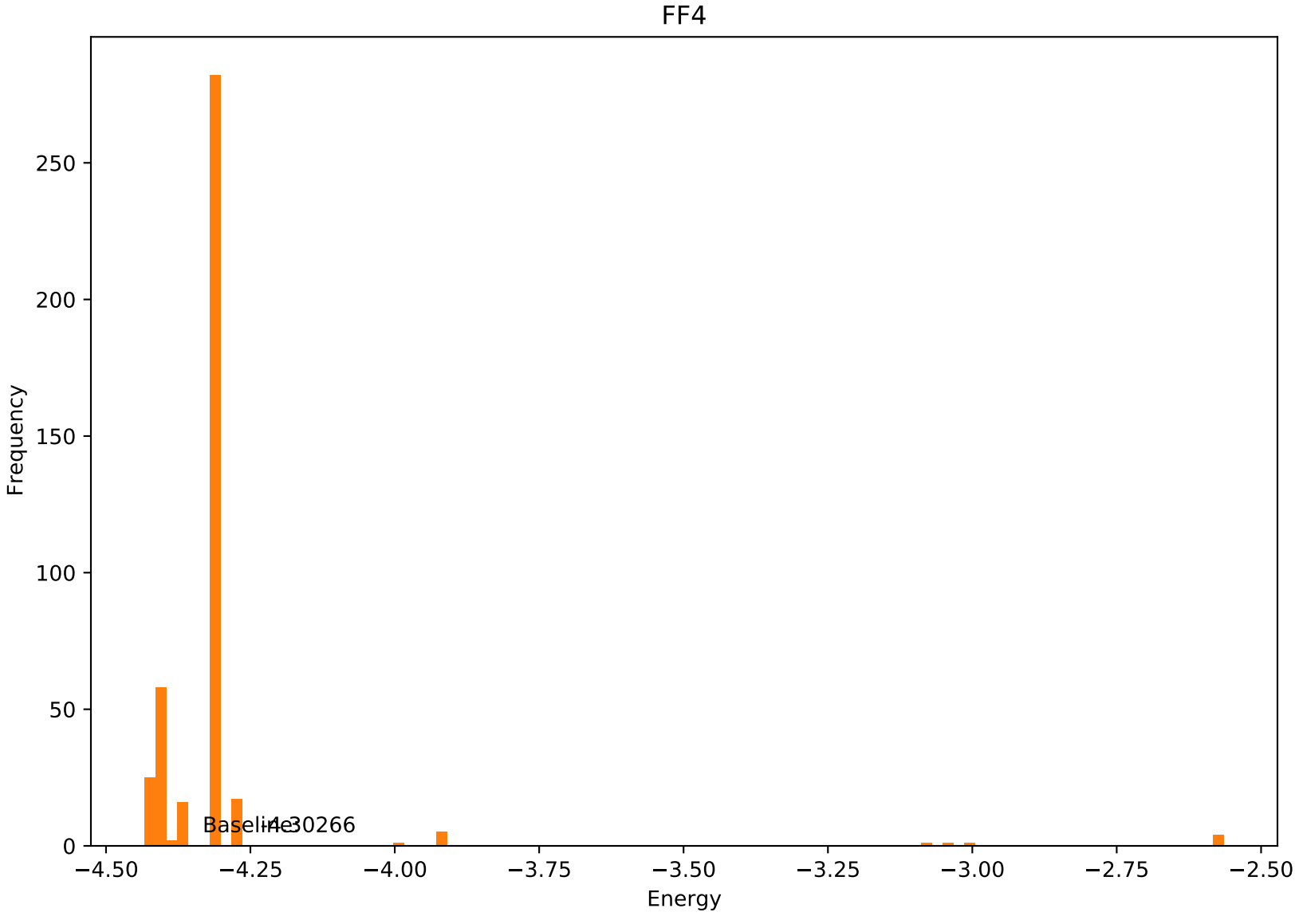

FC9
Frequency
0
5
10
15
20
25
−10
−8
−6
−4
−2
Energy
1e−10−1.616e−6

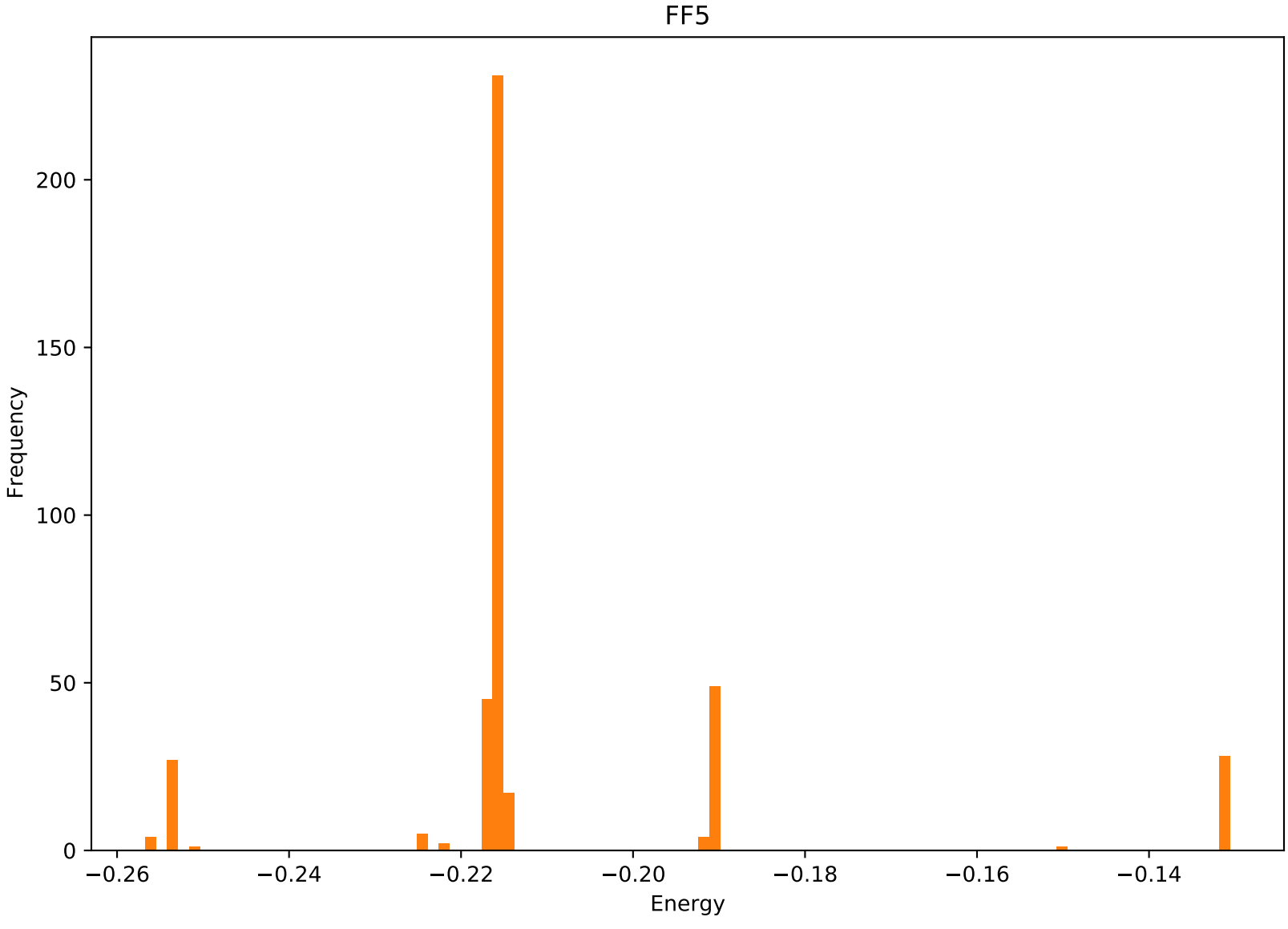

FF1
Frequency
Energy
0
50
100
150
200
250
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
Baseline
1.0684

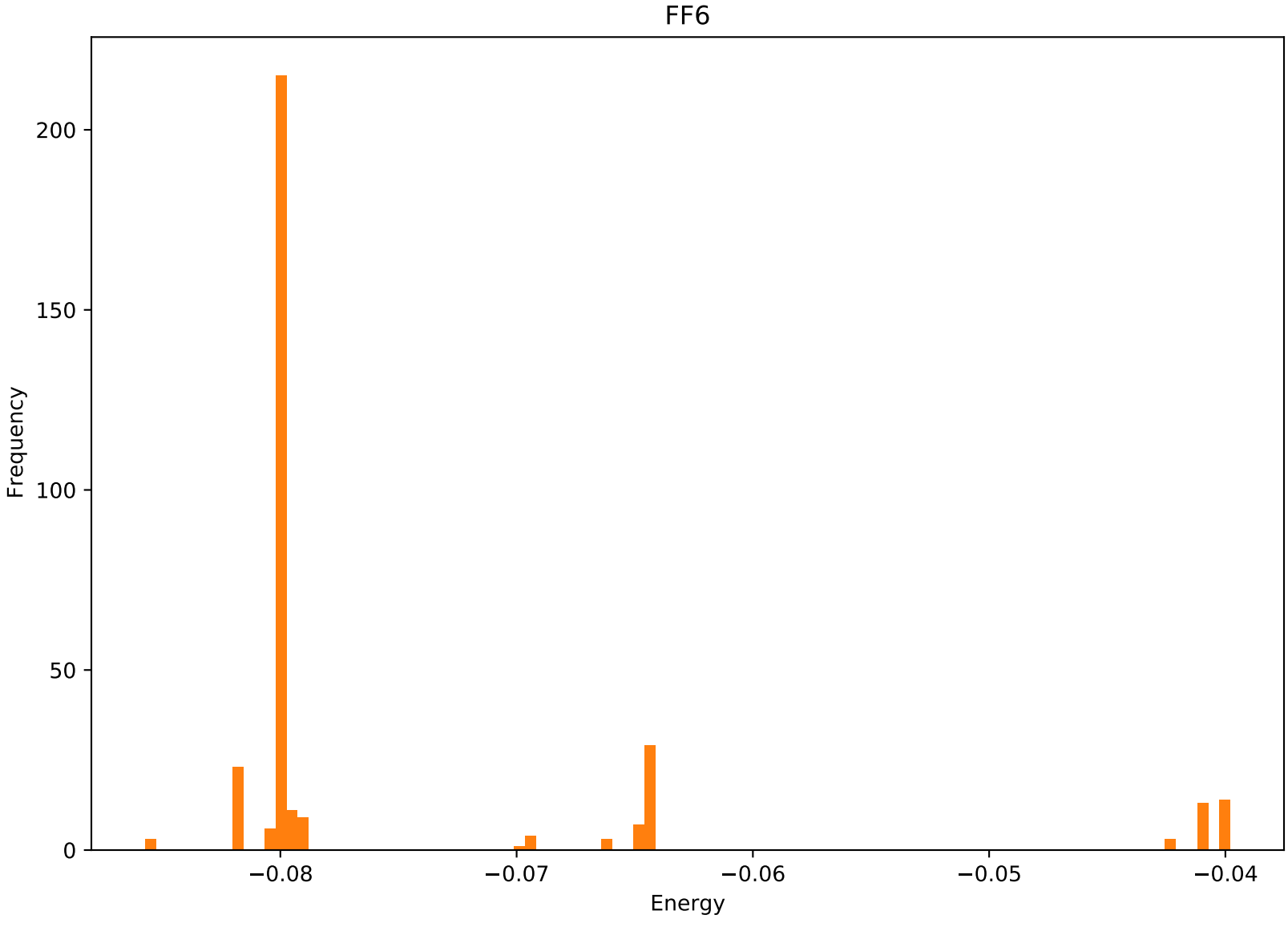

FF10
Frequency
200
150
100
50
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

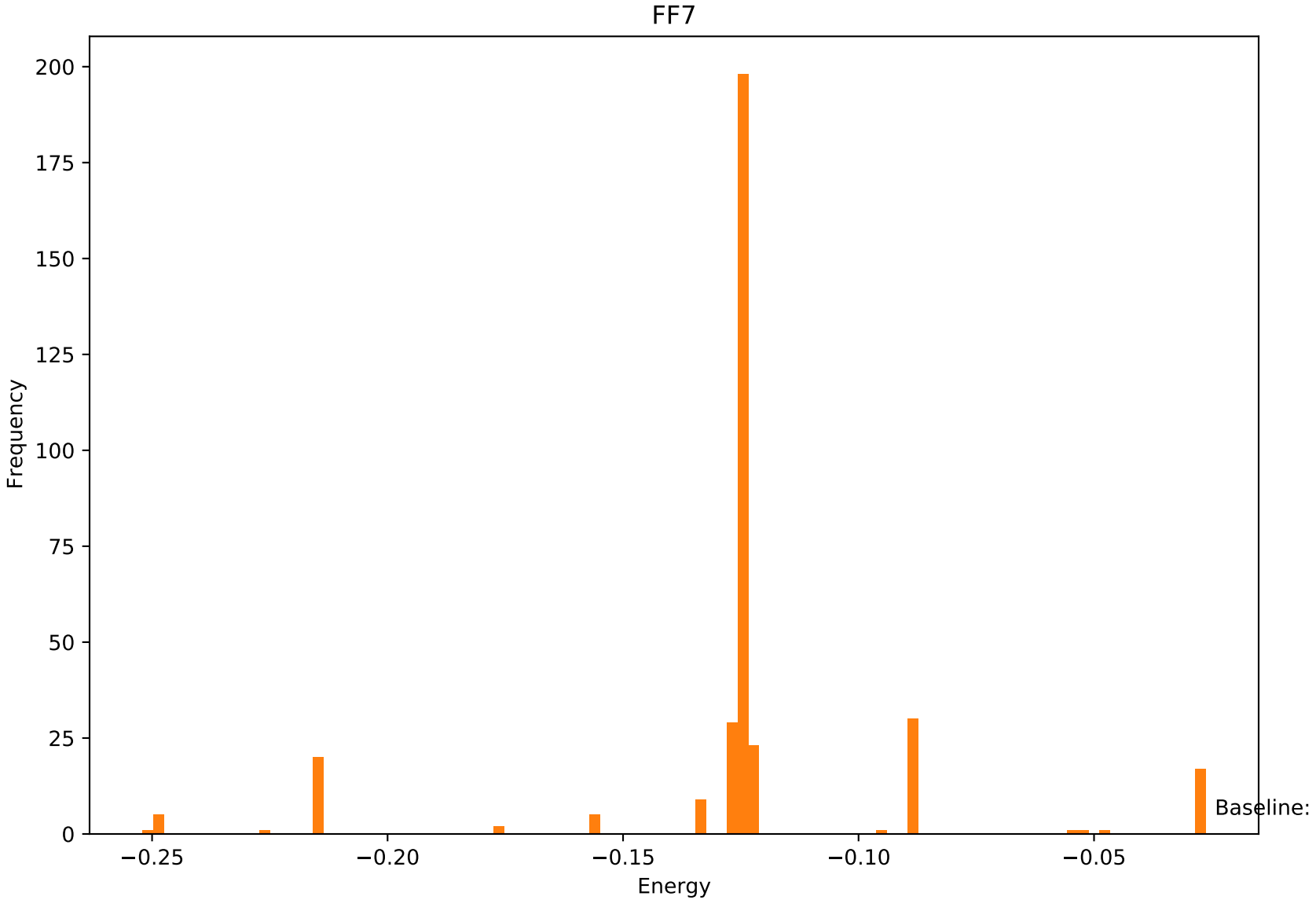

FF2
Frequency
200
150
100
50
0
−1.04
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
Energy
Baseline:

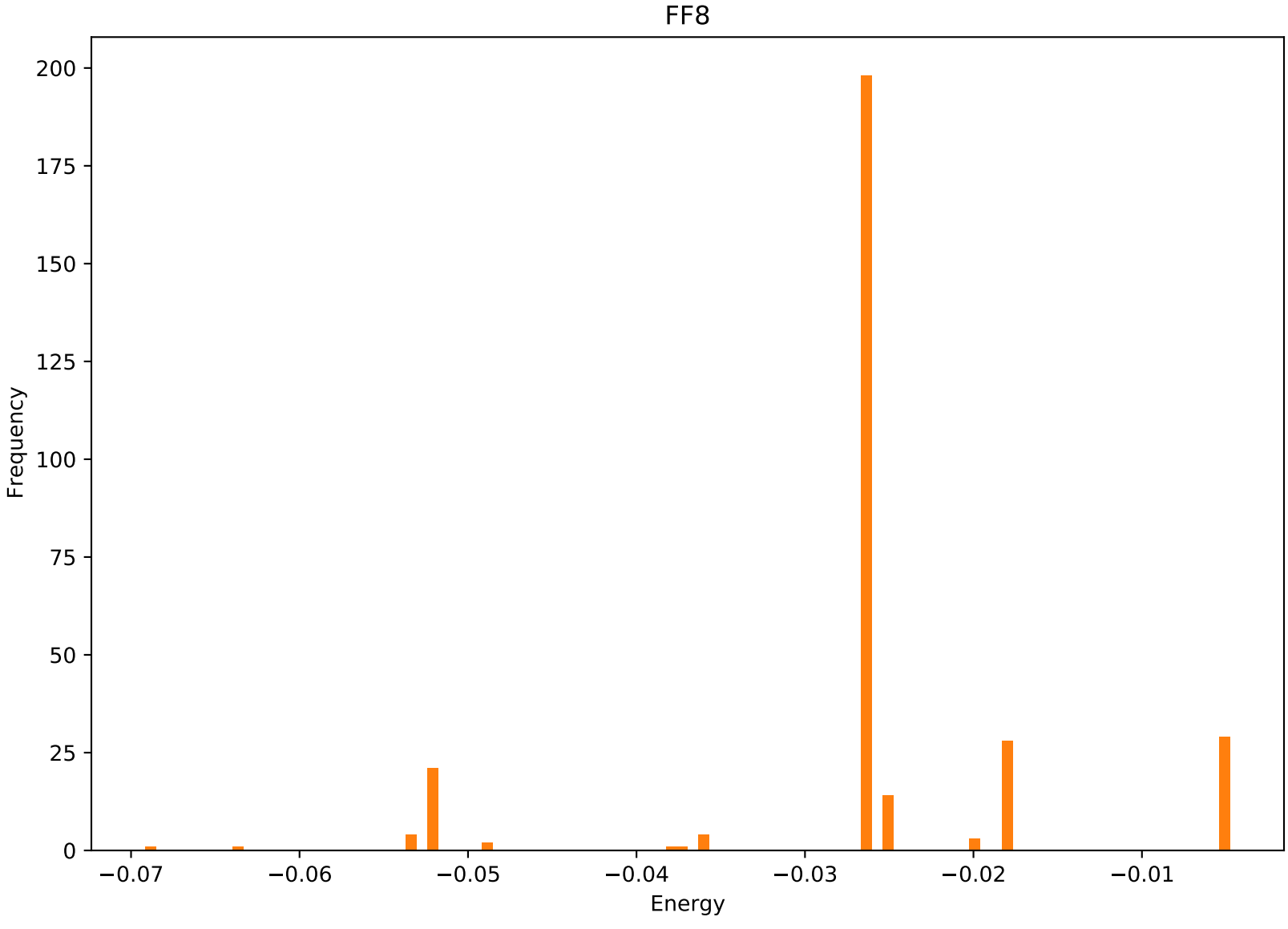

FF3
Frequency
Energy
Baseline: -3.08181
300
250
200
150
100
50
0
−3.2
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

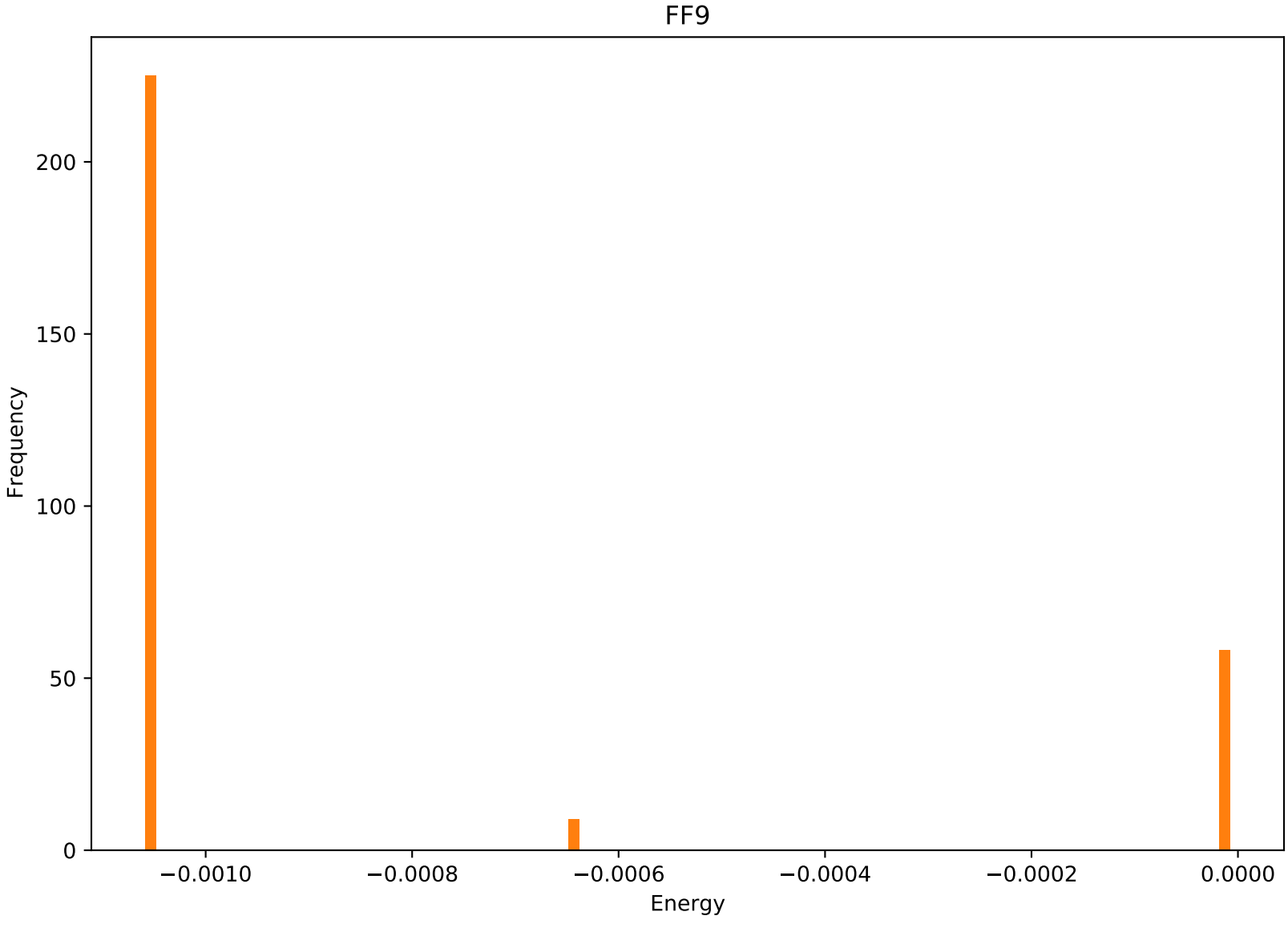

FF4
Frequency
Energy
Baseline: -4.30266
250
200
150
100
50
0
−4.50
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50

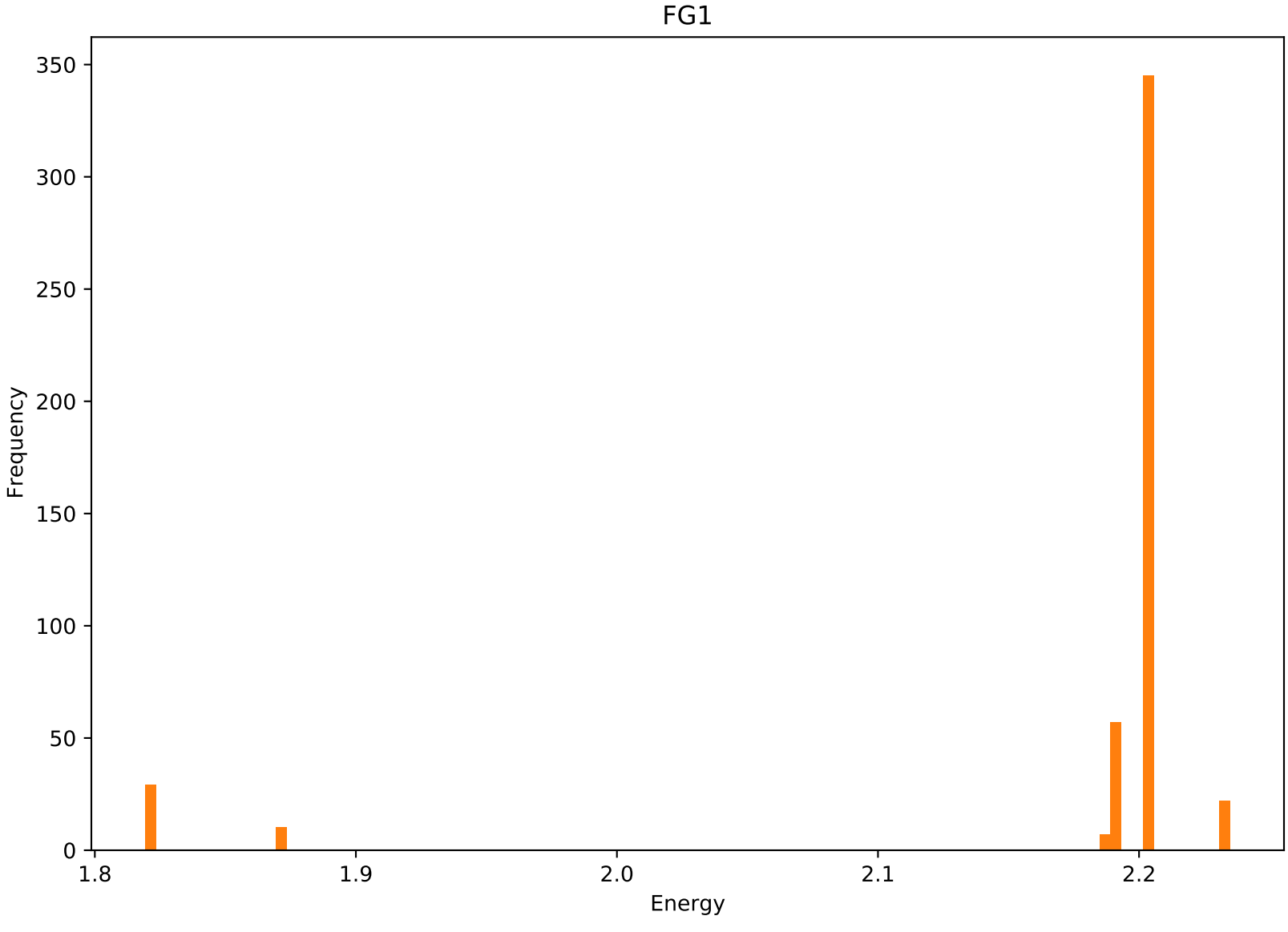

FF5
Frequency
200
150
100
50
0
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

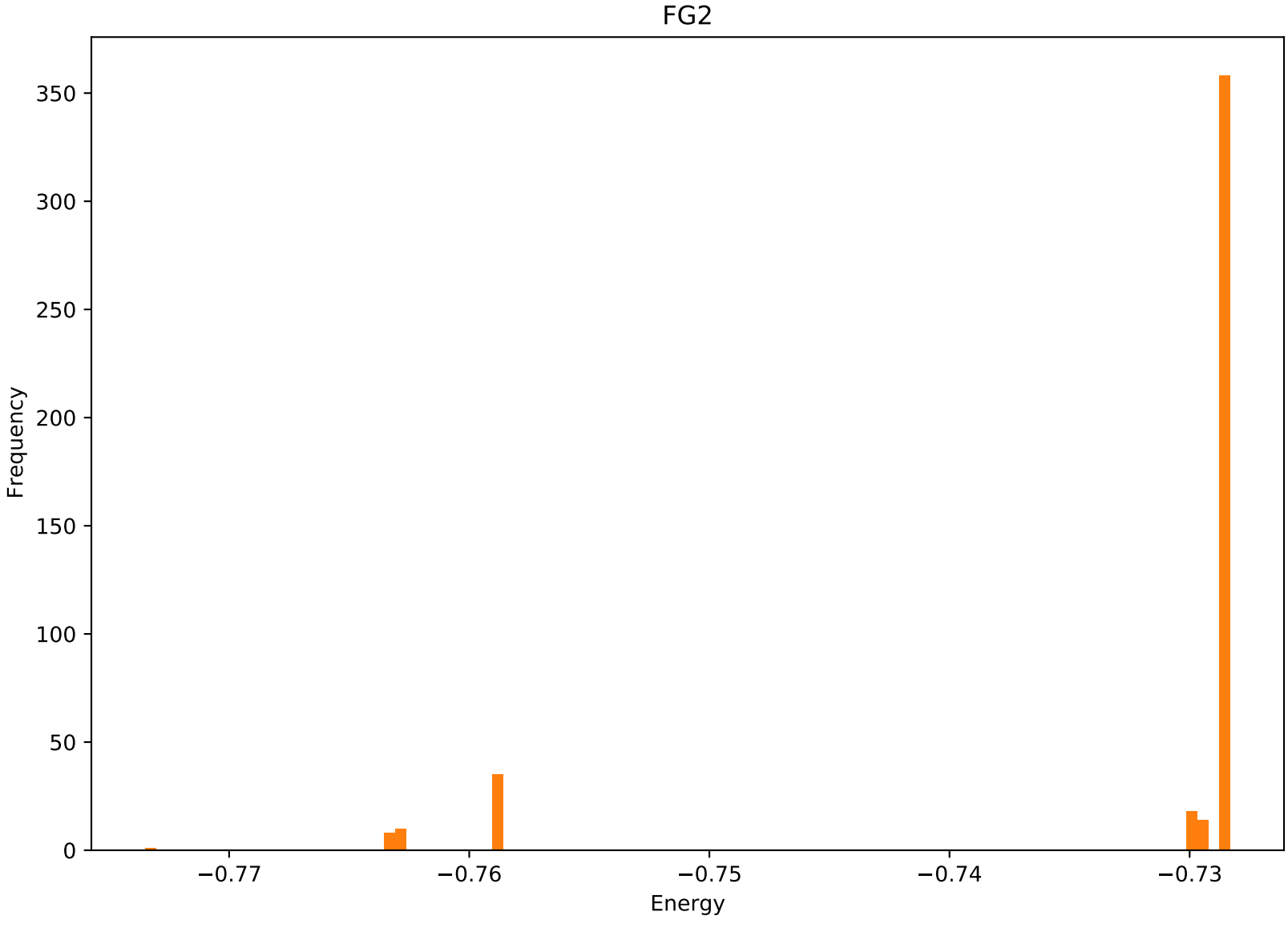

FF6
Frequency
200
150
100
50
0
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

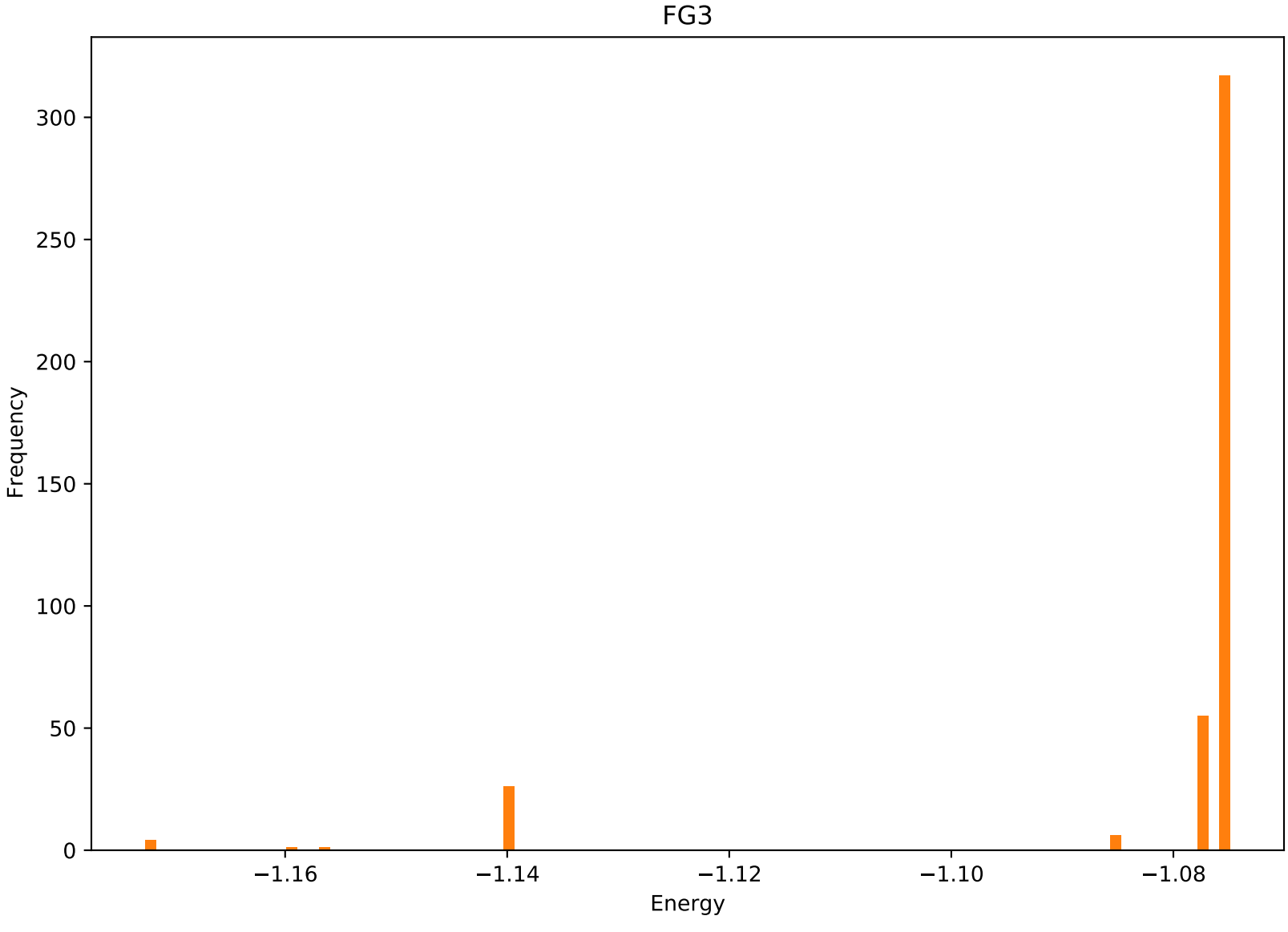

FF7
Frequency
Energy
200
175
150
125
100
75
50
25
0
−0.25
−0.20
−0.15
−0.10
−0.05
Baseline:

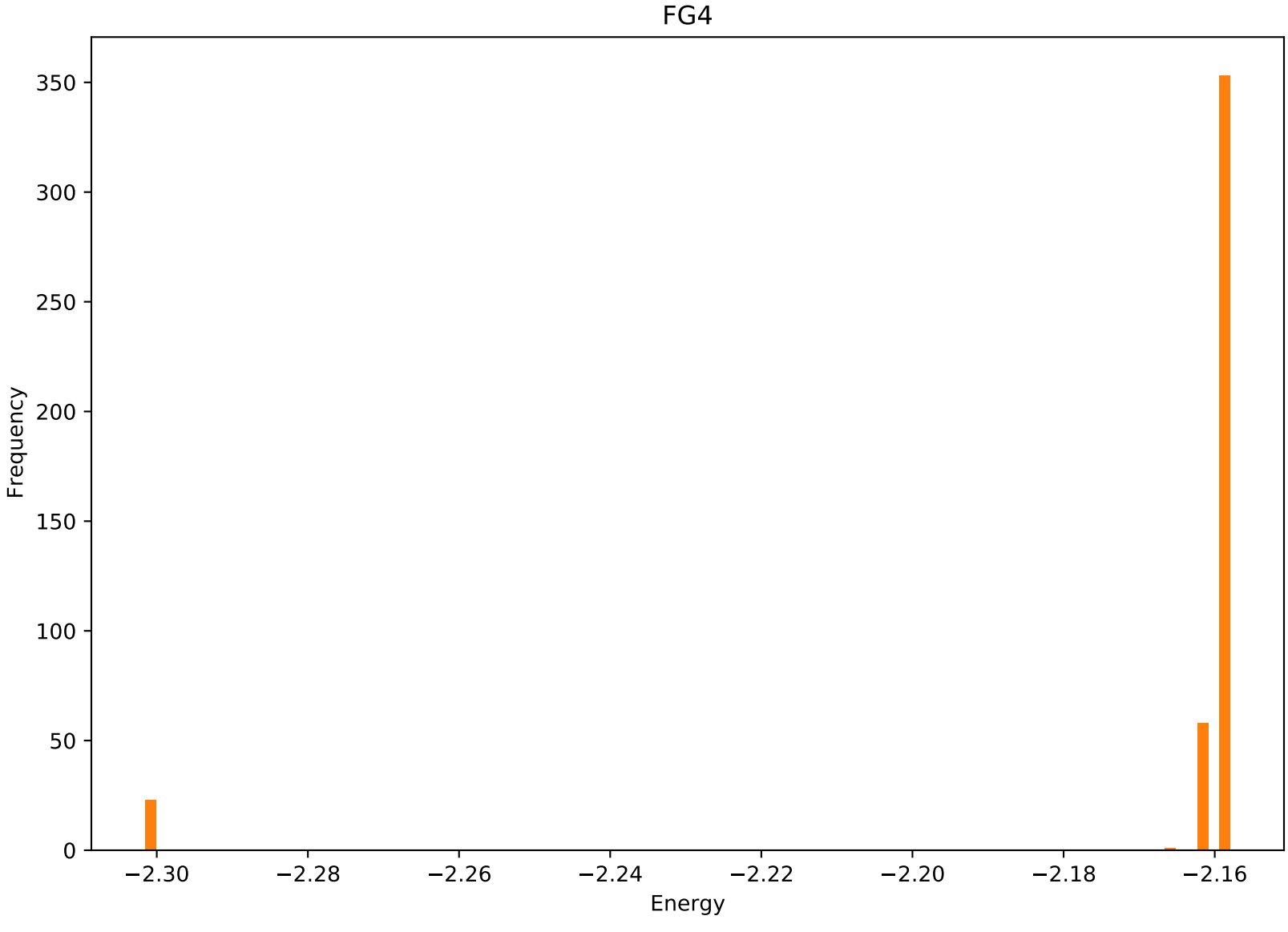

FF8
Frequency
Energy
200
175
150
125
100
75
50
25
0
−0.07
−0.06
−0.05
−0.04
−0.03
−0.02
−0.01

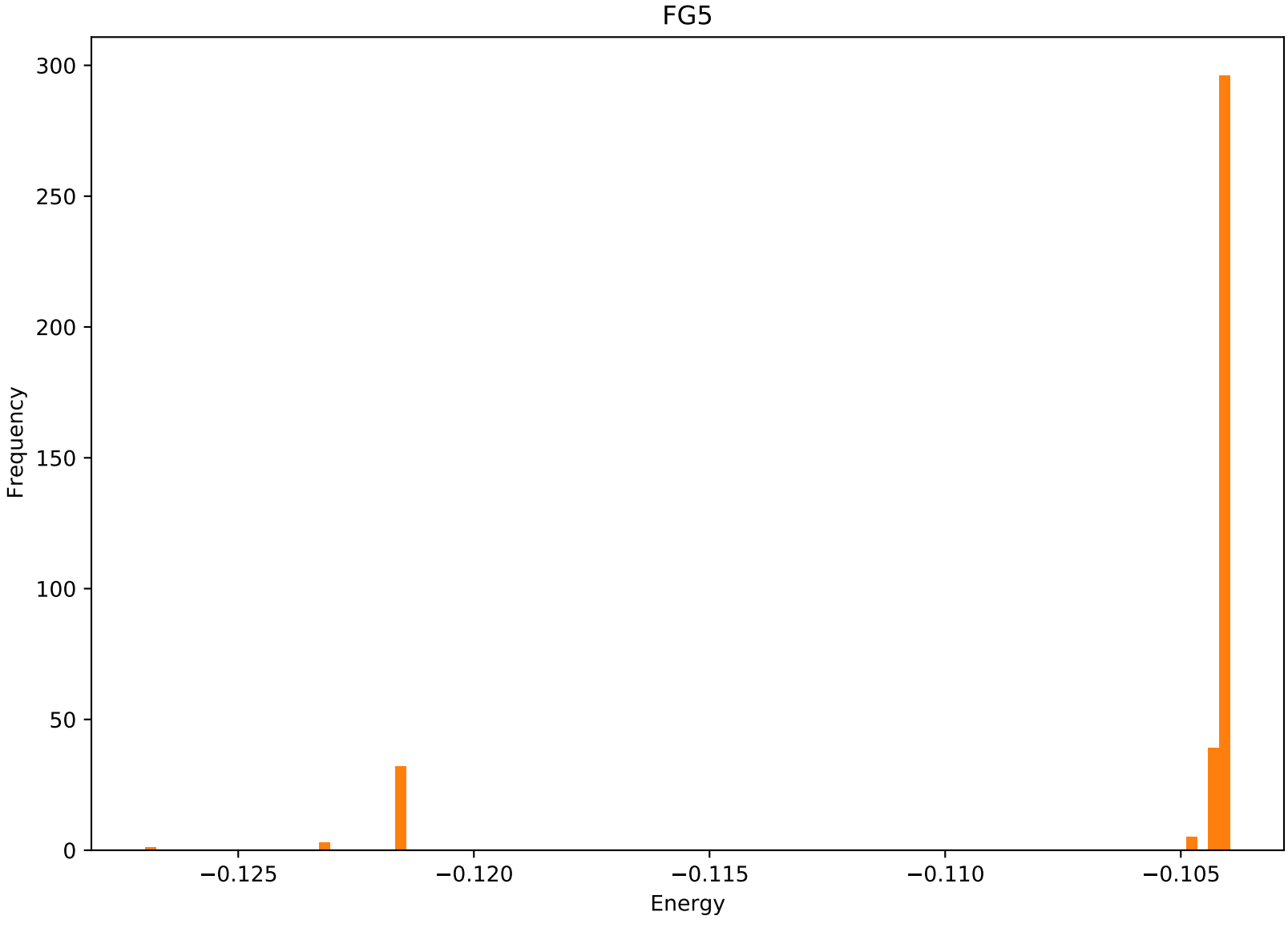

FF9
Frequency
200
150
100
50
0
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

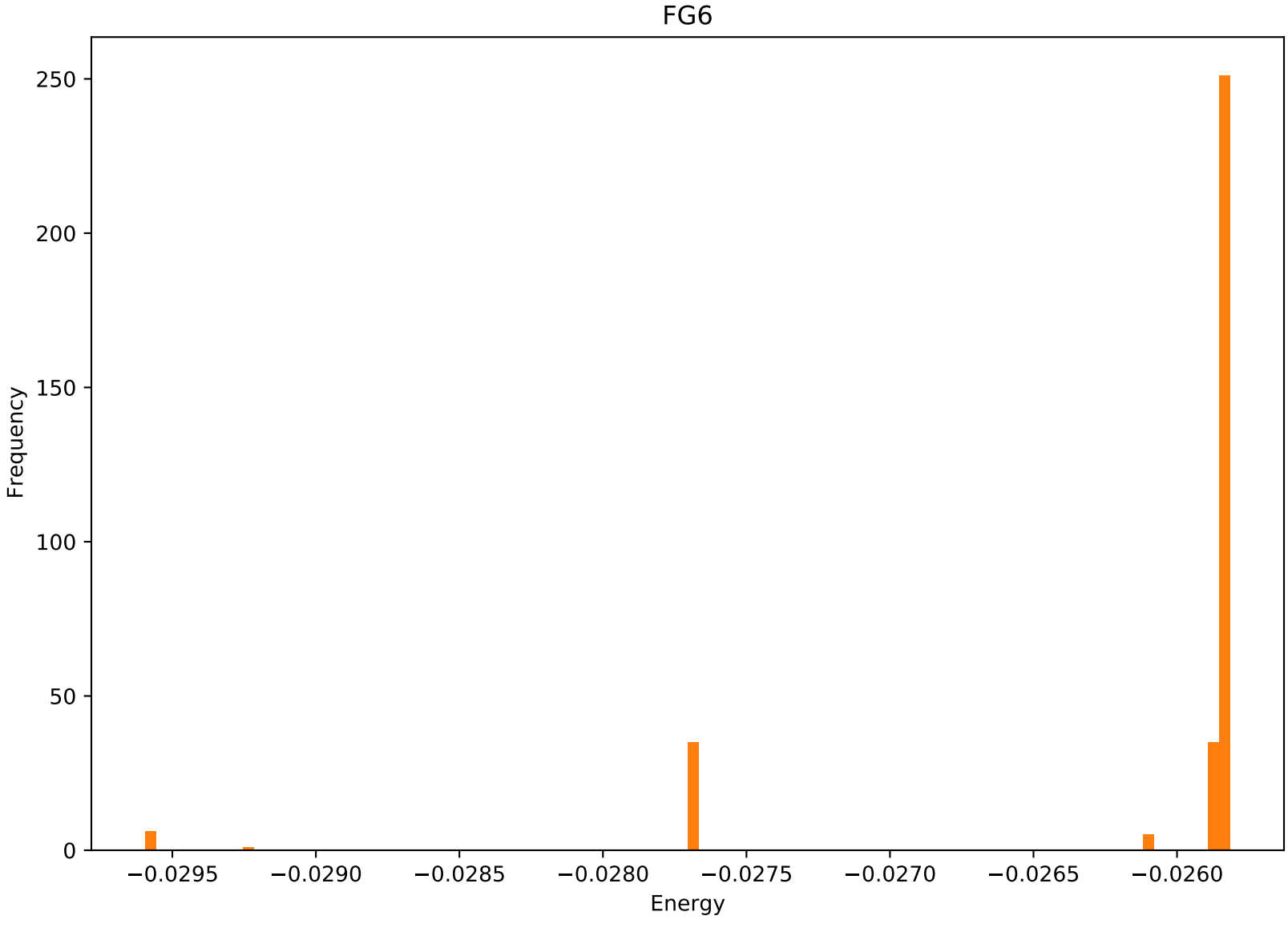

FG1
Frequency
Energy
0
50
100
150
200
250
300
350
1.8
1.9
2.0
2.1
2.2

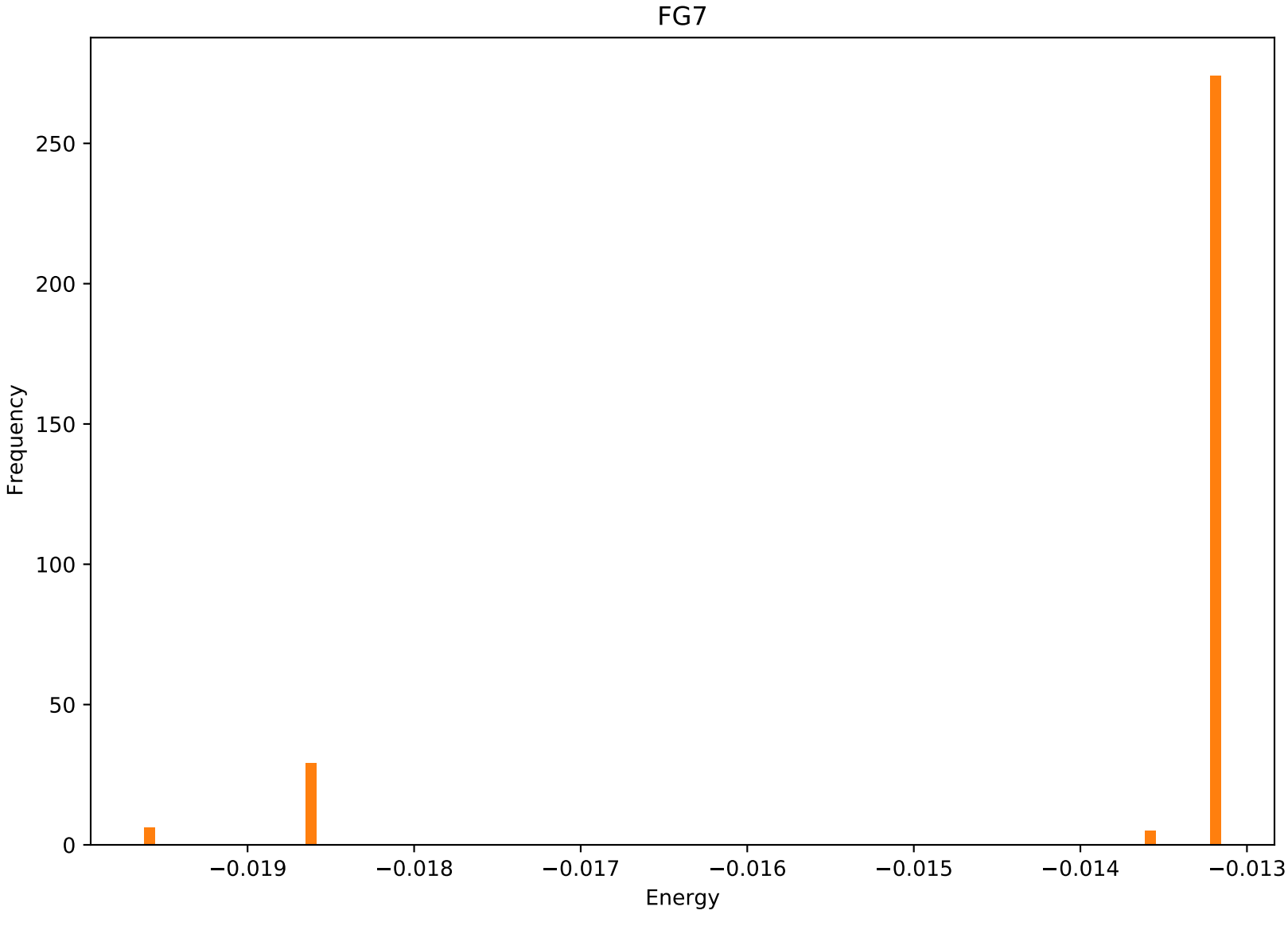

FG2
Frequency
350
300
250
200
150
100
50
0
−0.77
−0.76
−0.75
−0.74
−0.73
Energy

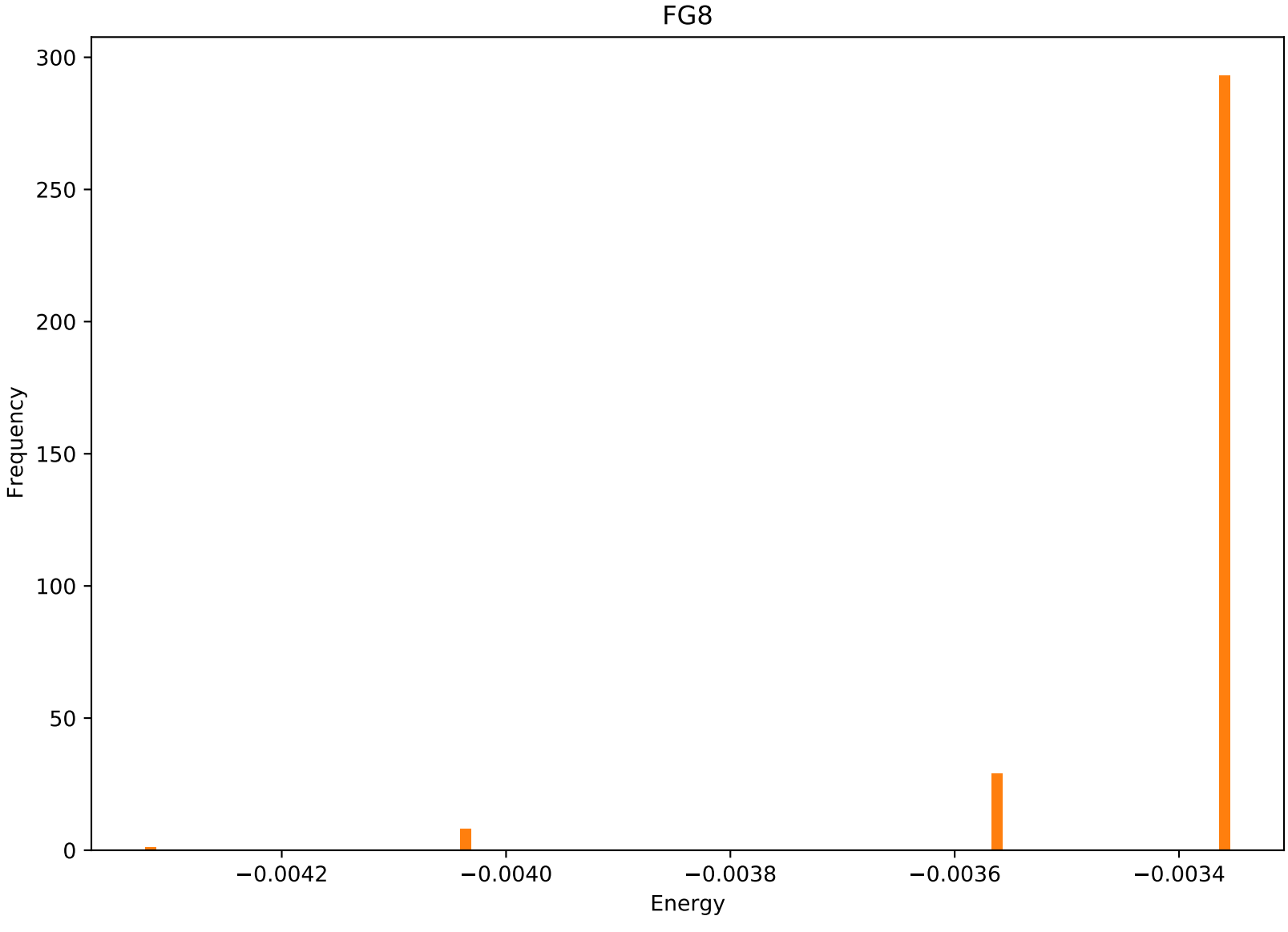

FG3
Frequency
300
250
200
150
100
50
0
−1.16
−1.14
−1.12
−1.10
−1.08
Energy

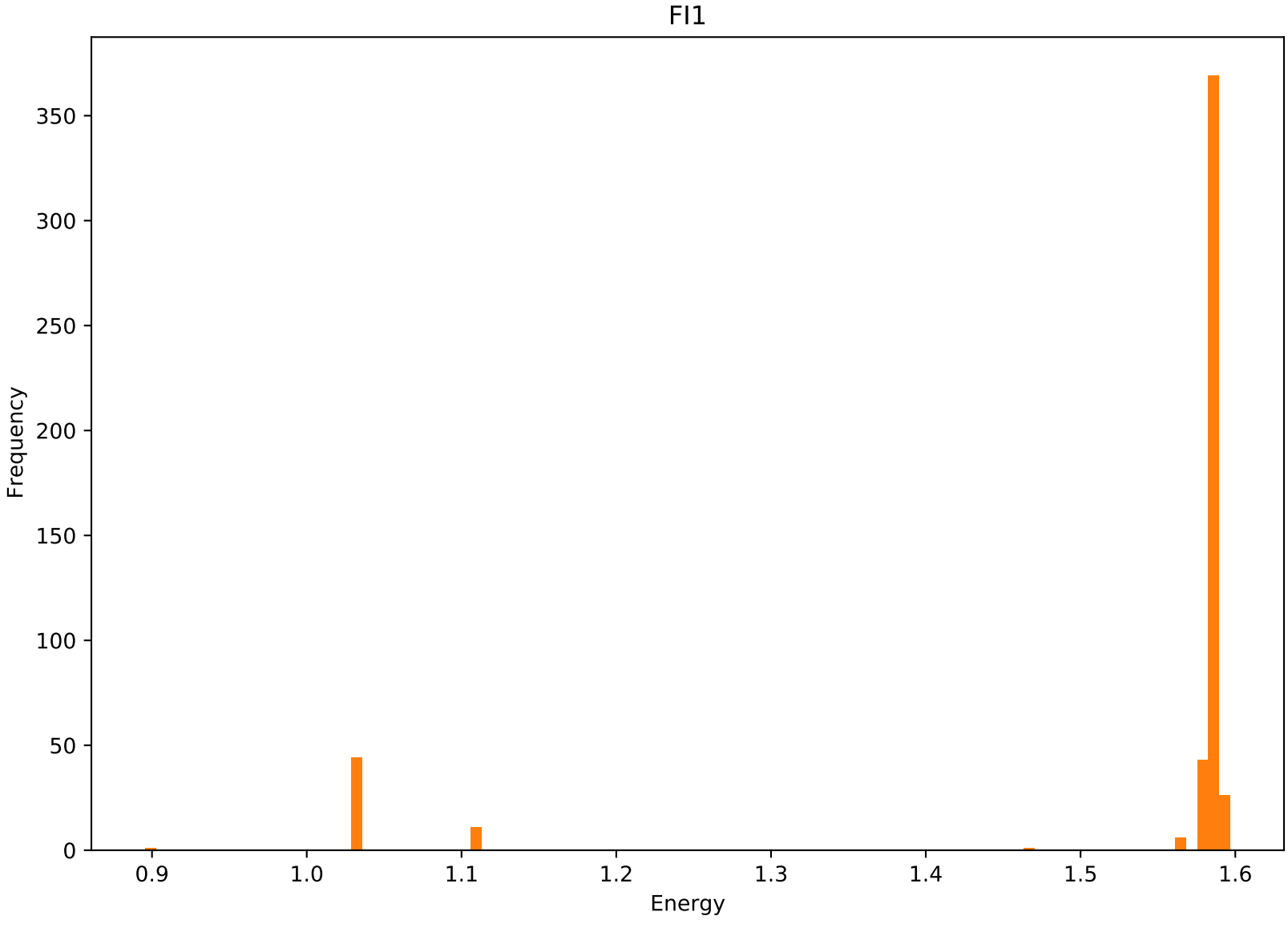

FG4
Frequency
Energy
0
50
100
150
200
250
300
350
−2.30
−2.28
−2.26
−2.24
−2.22
−2.20
−2.18
−2.16

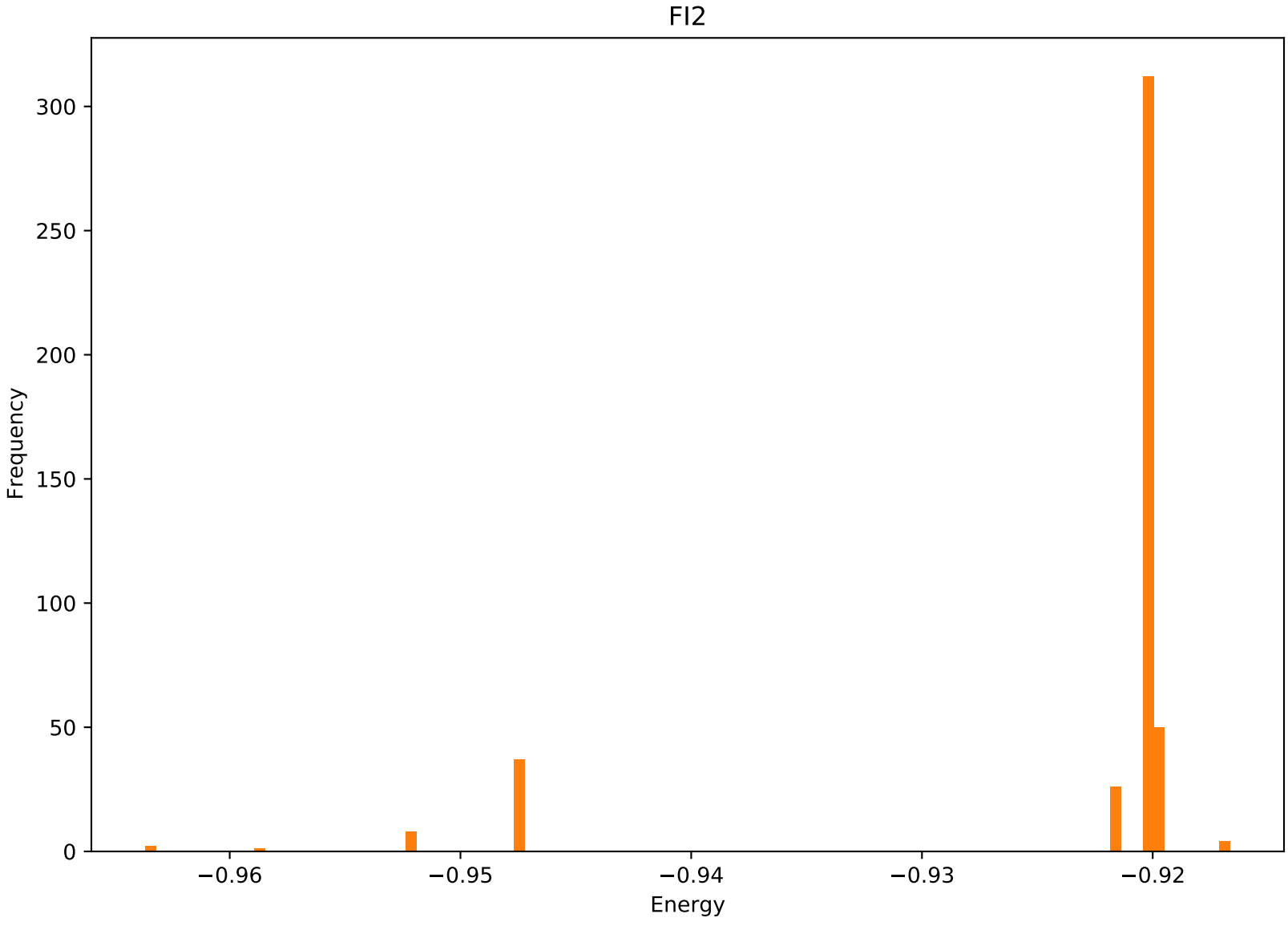

FG5
Frequency
Energy
300
250
200
150
100
50
0
−0.125
−0.120
−0.115
−0.110
−0.105

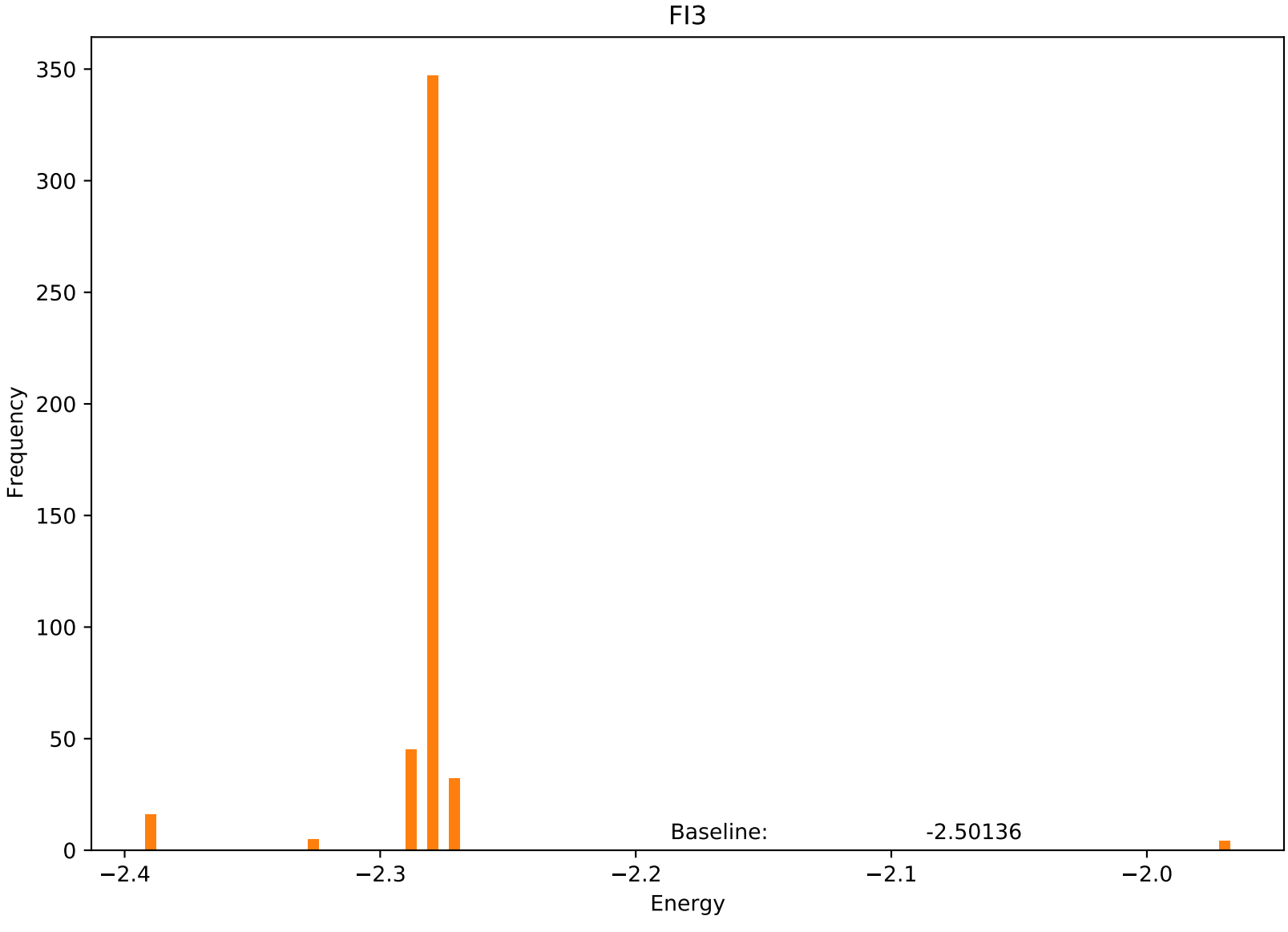

FG6
Frequency
Energy
250
200
150
100
50
0
−0.0295
−0.0290
−0.0285
−0.0280
−0.0275
−0.0270
−0.0265
−0.0260

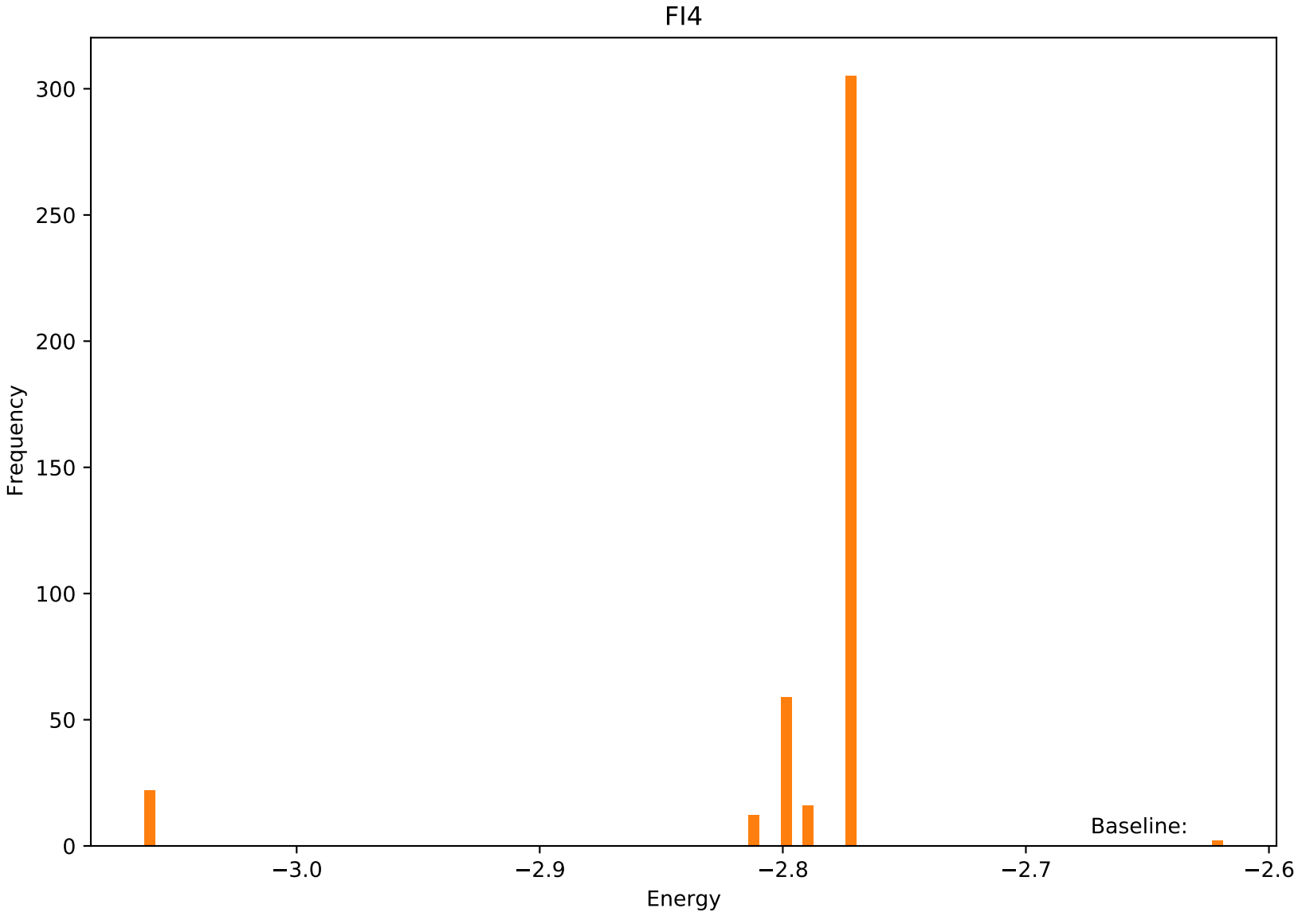

FG7
Frequency
250
200
150
100
50
0
−0.019
−0.018
−0.017
−0.016
−0.015
−0.014
−0.013
Energy

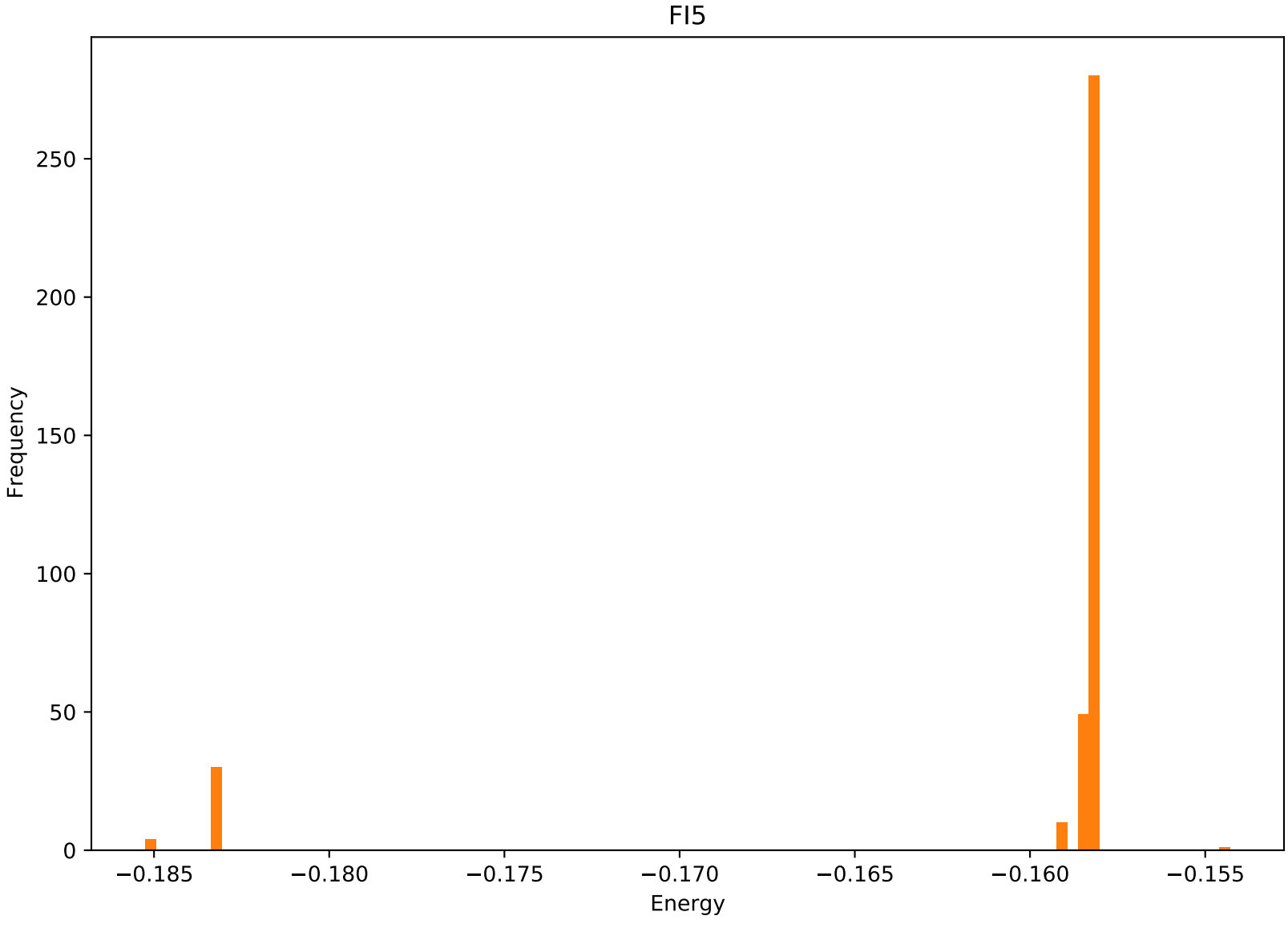

FG8
300
250
200
150
100
50
0
Frequency
−0.0042
−0.0040
−0.0038
−0.0036
−0.0034
Energy

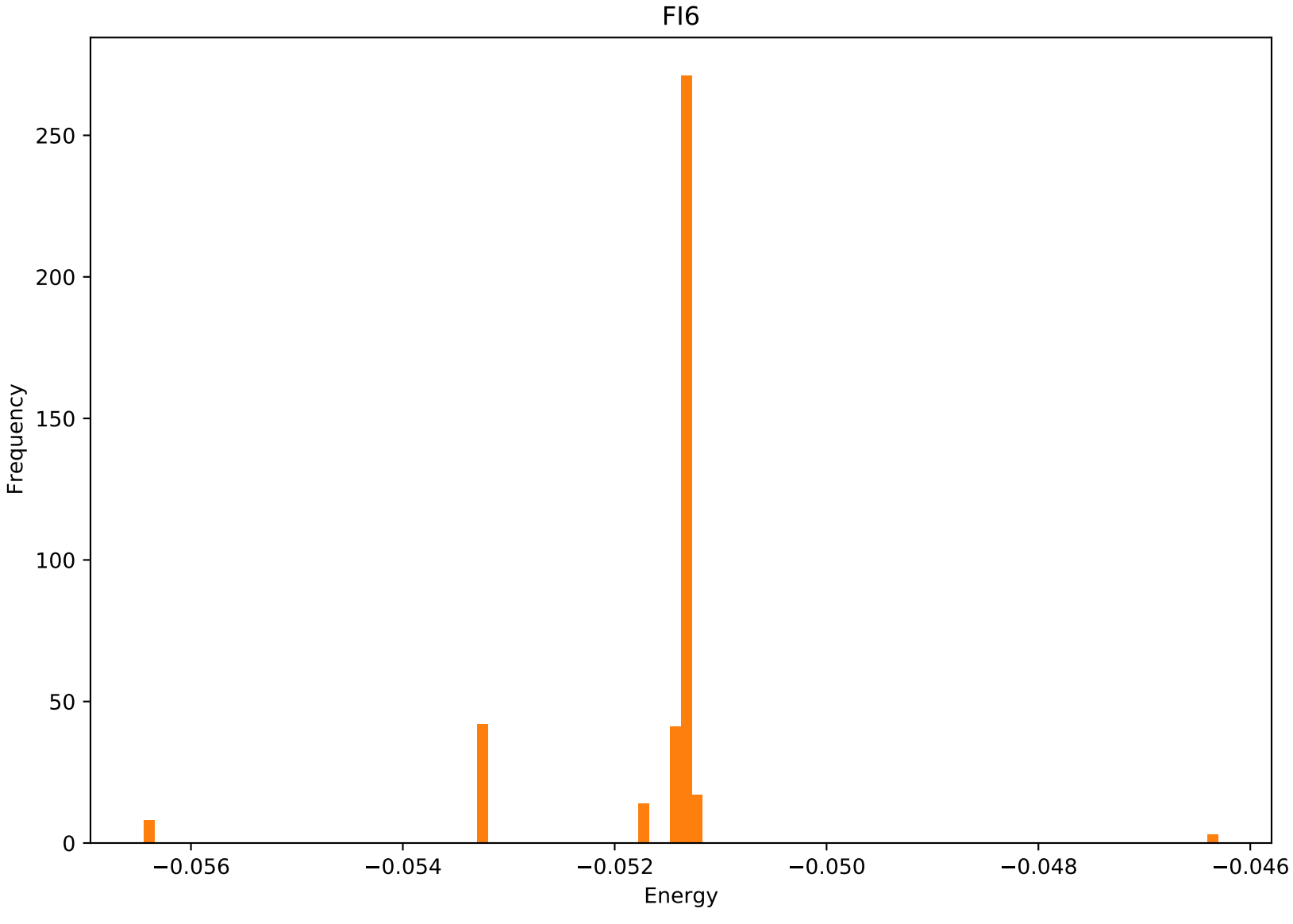

FI1
Frequency
Energy
0
50
100
150
200
250
300
350
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6

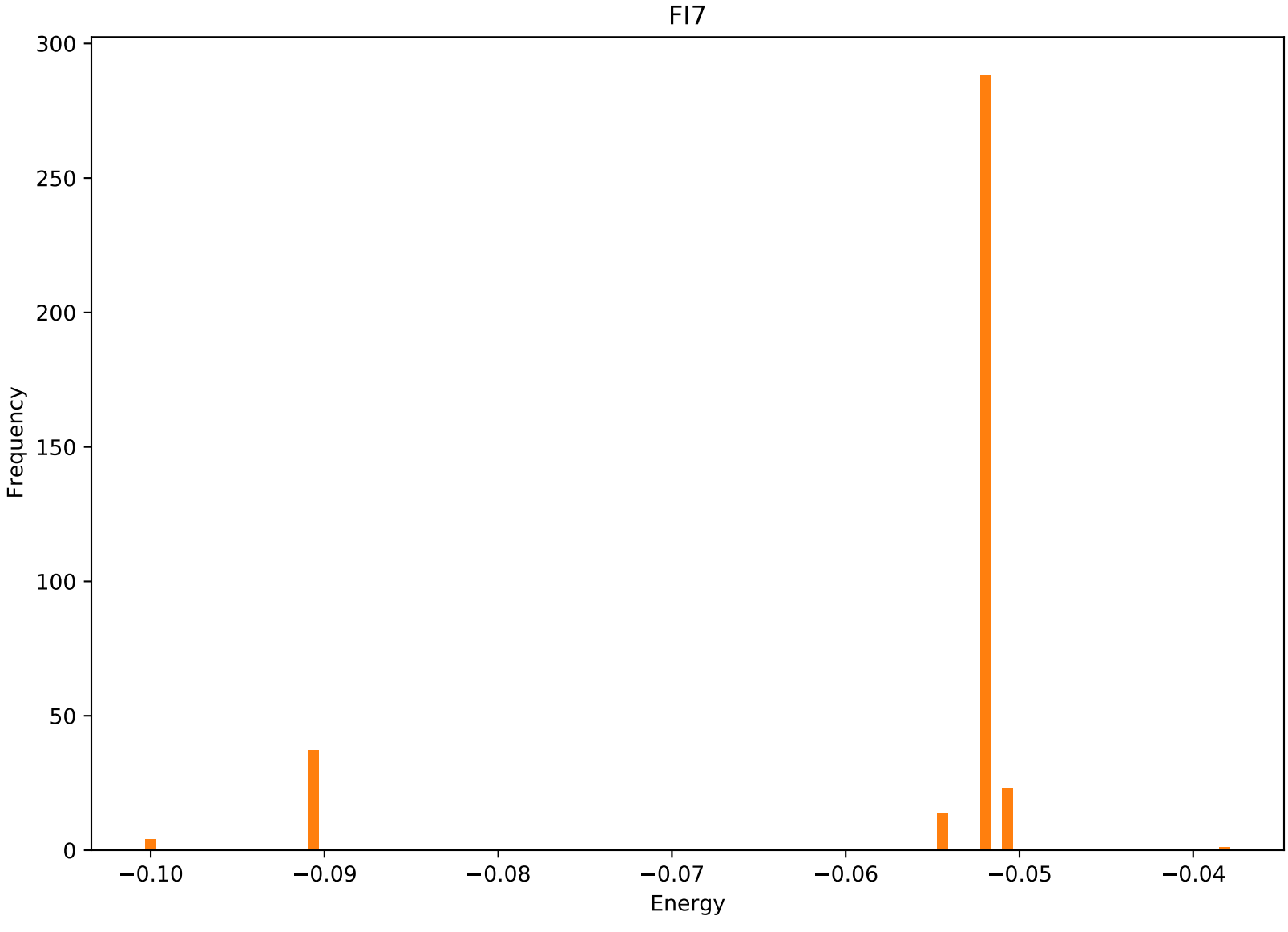

FI2
300
250
200
150
100
50
0
Frequency
−0.96
−0.95
−0.94
−0.93
−0.92
Energy

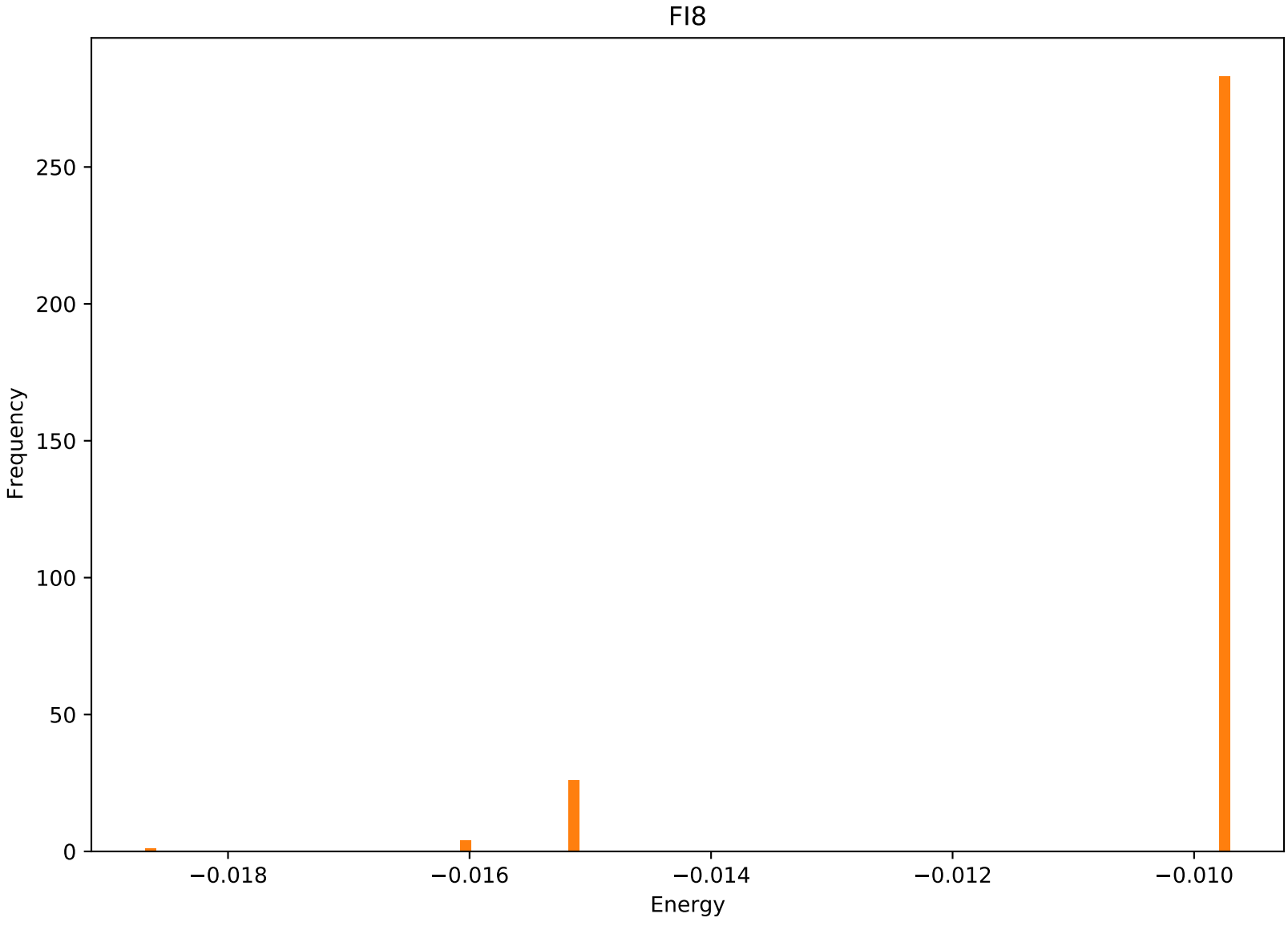

FI3
Frequency
Energy
Baseline:
-2.50136
0
50
100
150
200
250
300
350
−2.4
−2.3
−2.2
−2.1
−2.0

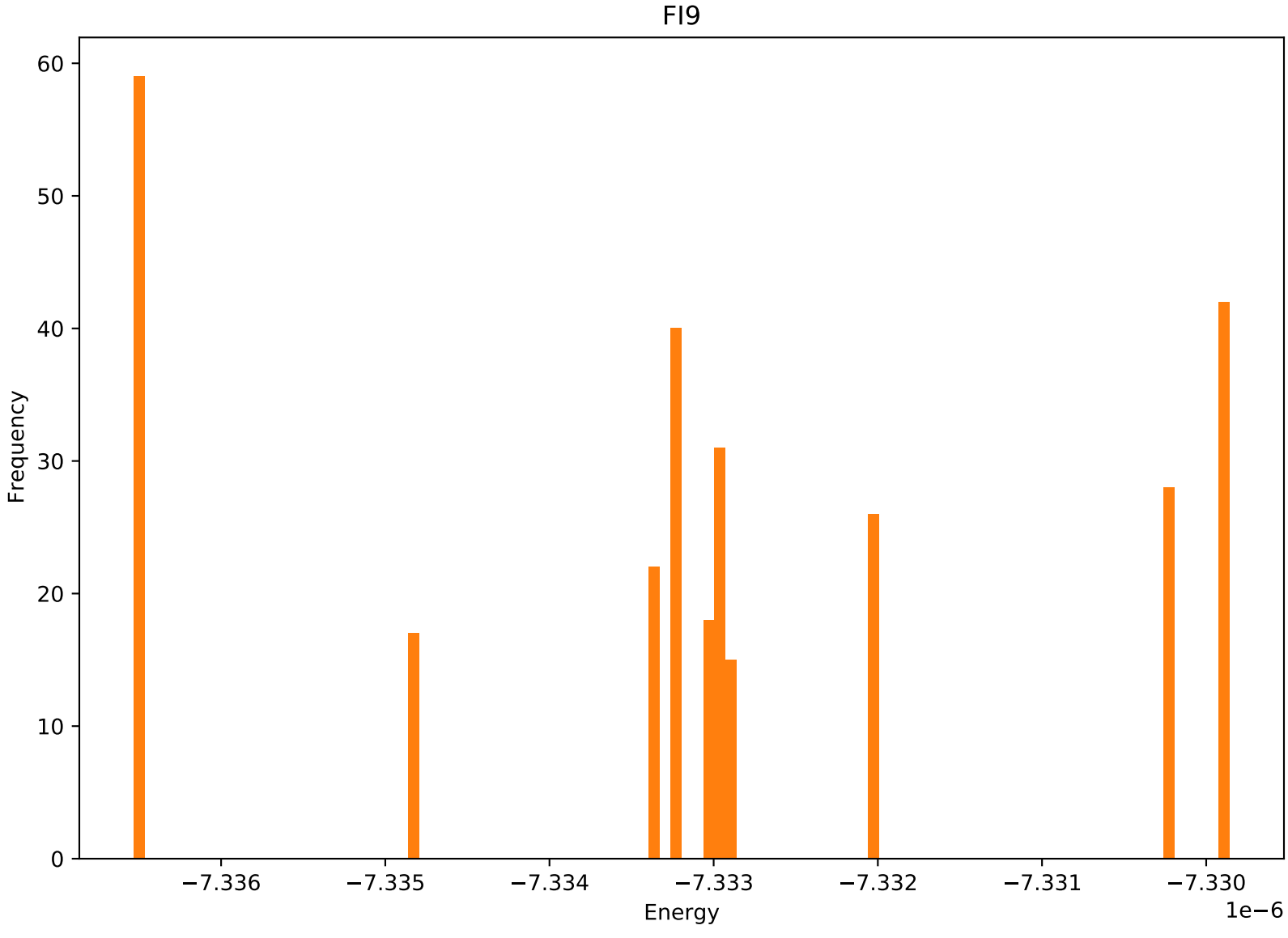

FI4
300
250
200
150
100
50
0
Frequency
−3.0
−2.9
−2.8
−2.7
−2.6
Energy
Baseline:

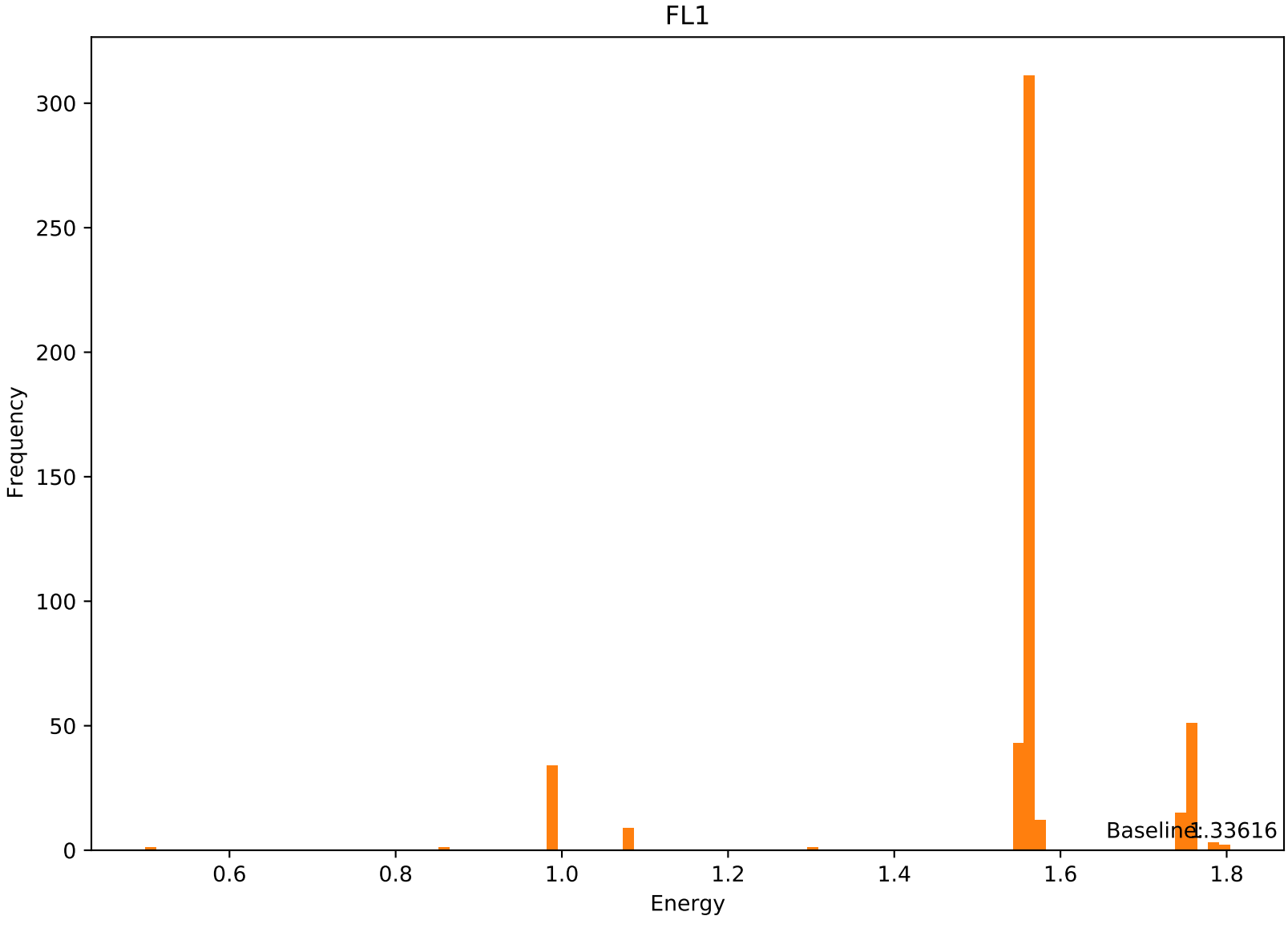

FI5
Frequency
250
200
150
100
50
0
−0.185
−0.180
−0.175
−0.170
−0.165
−0.160
−0.155
Energy

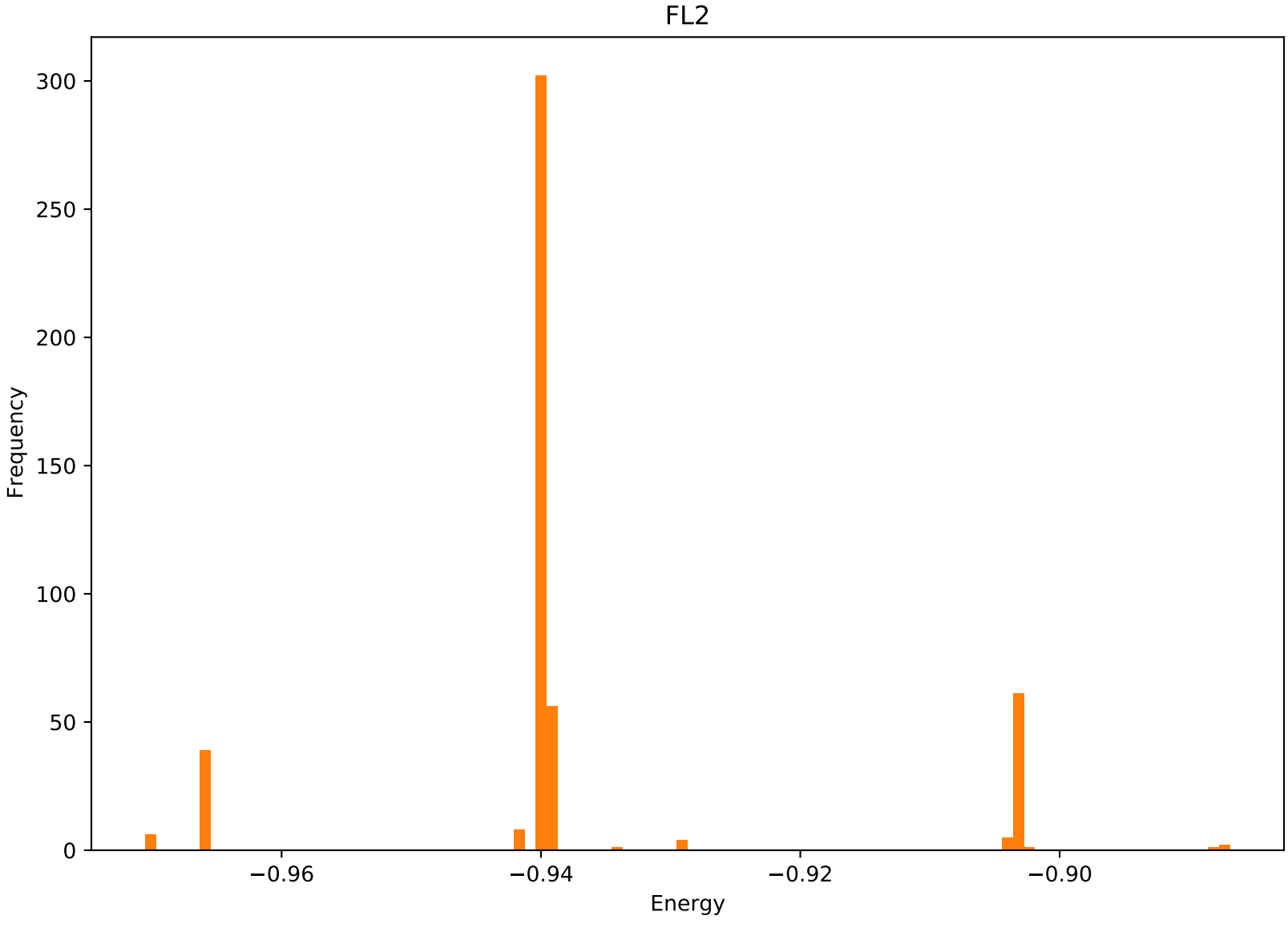

FI6
Frequency
250
200
150
100
50
0
−0.056
−0.054
−0.052
−0.050
−0.048
−0.046
Energy

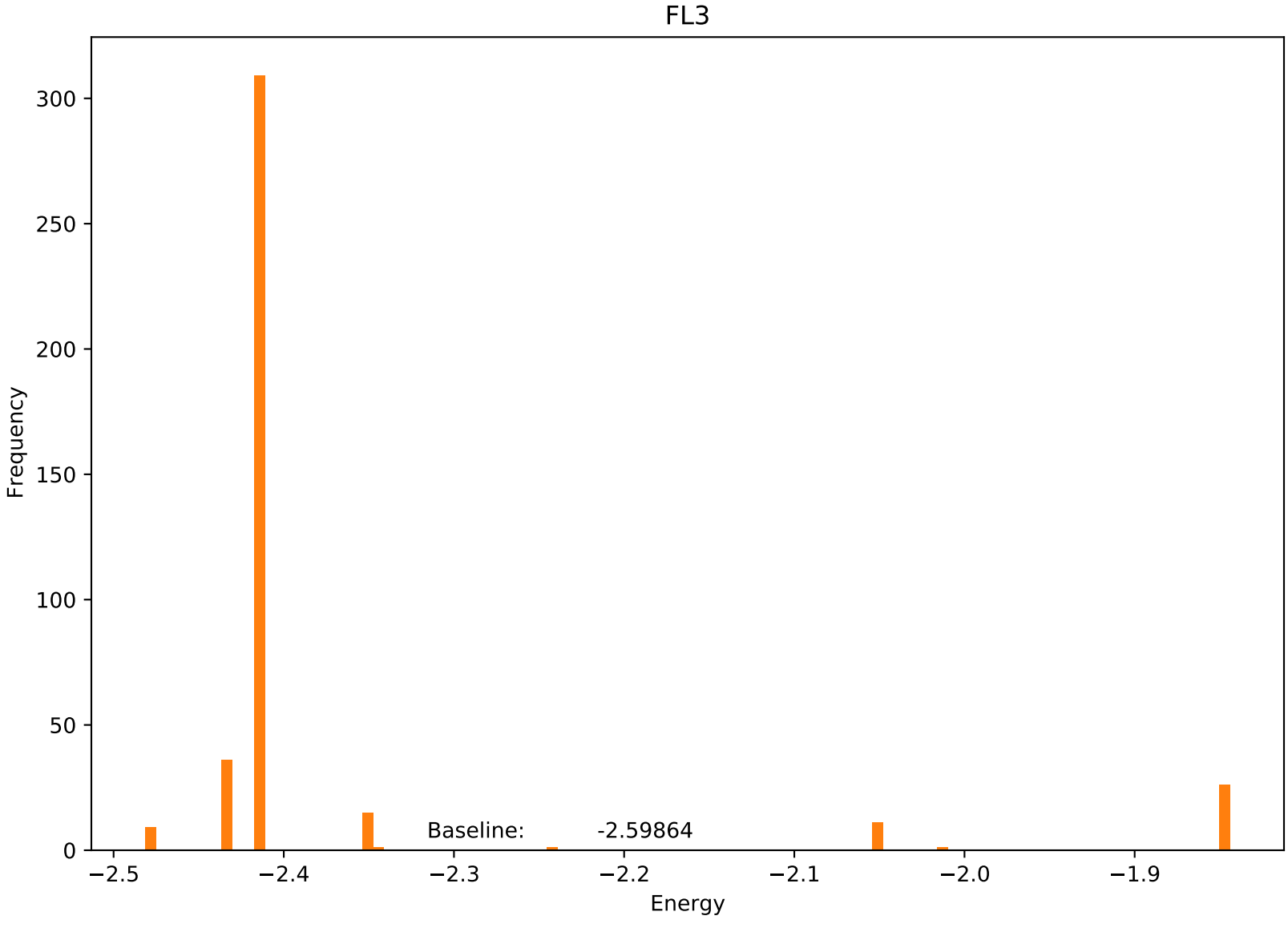

FI7
300
250
200
150
100
50
0
Frequency
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

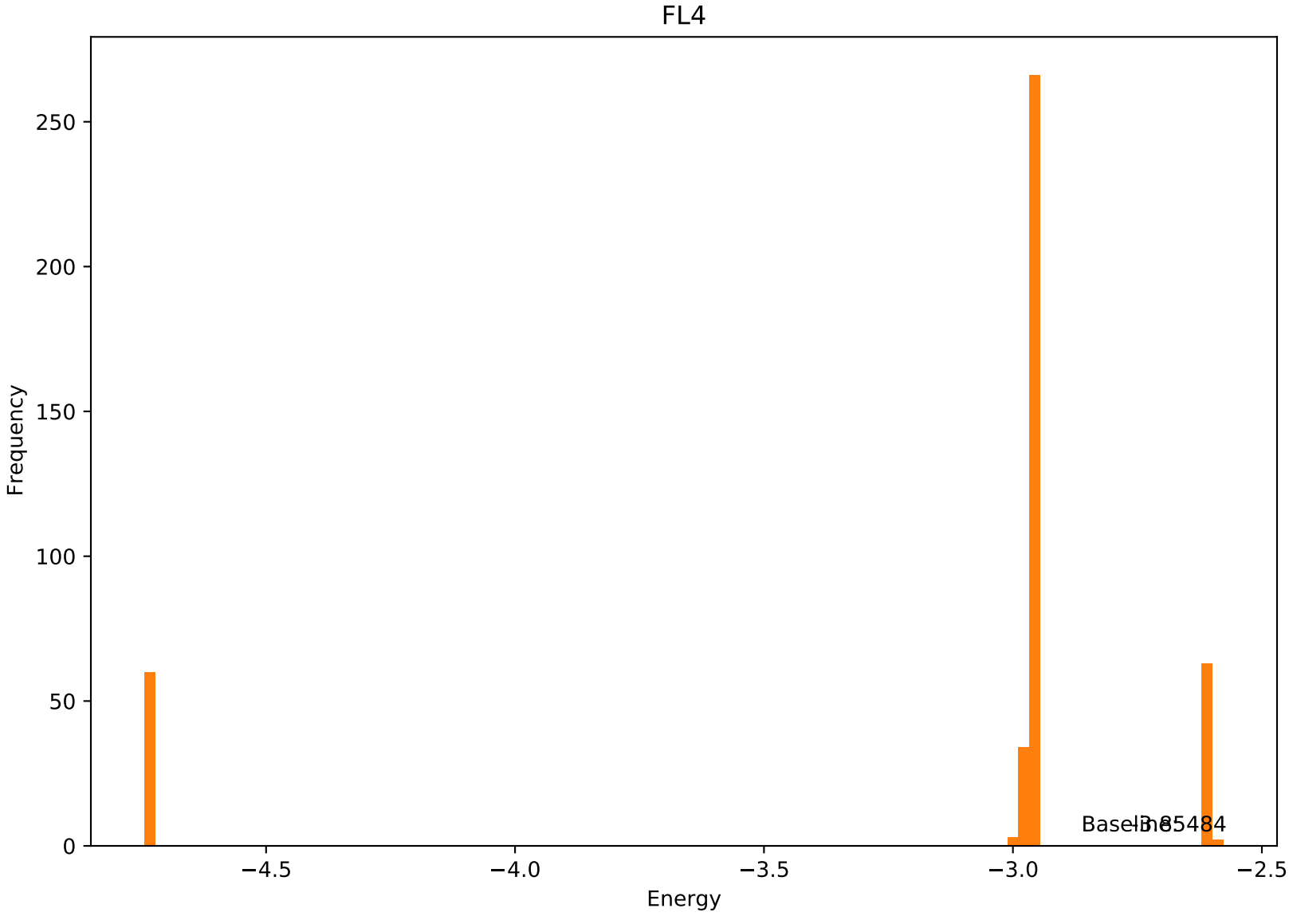

FI8
Frequency
250
200
150
100
50
0
−0.018
−0.016
−0.014
−0.012
−0.010
Energy

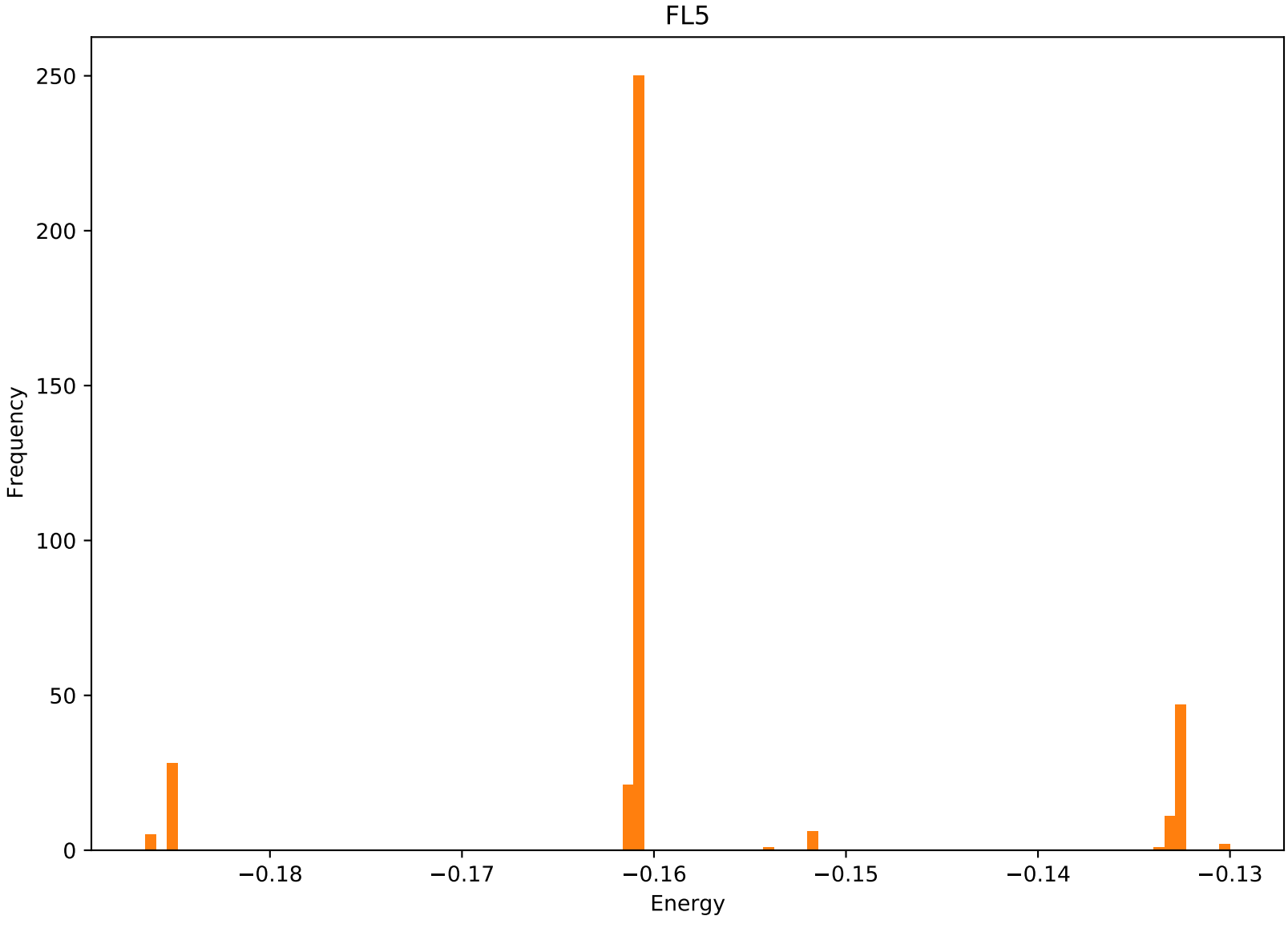

FI9
60
50
40
30
20
10
0
Frequency
−7.336
−7.335
−7.334
−7.333
−7.332
−7.331
−7.330
Energy
1e−6

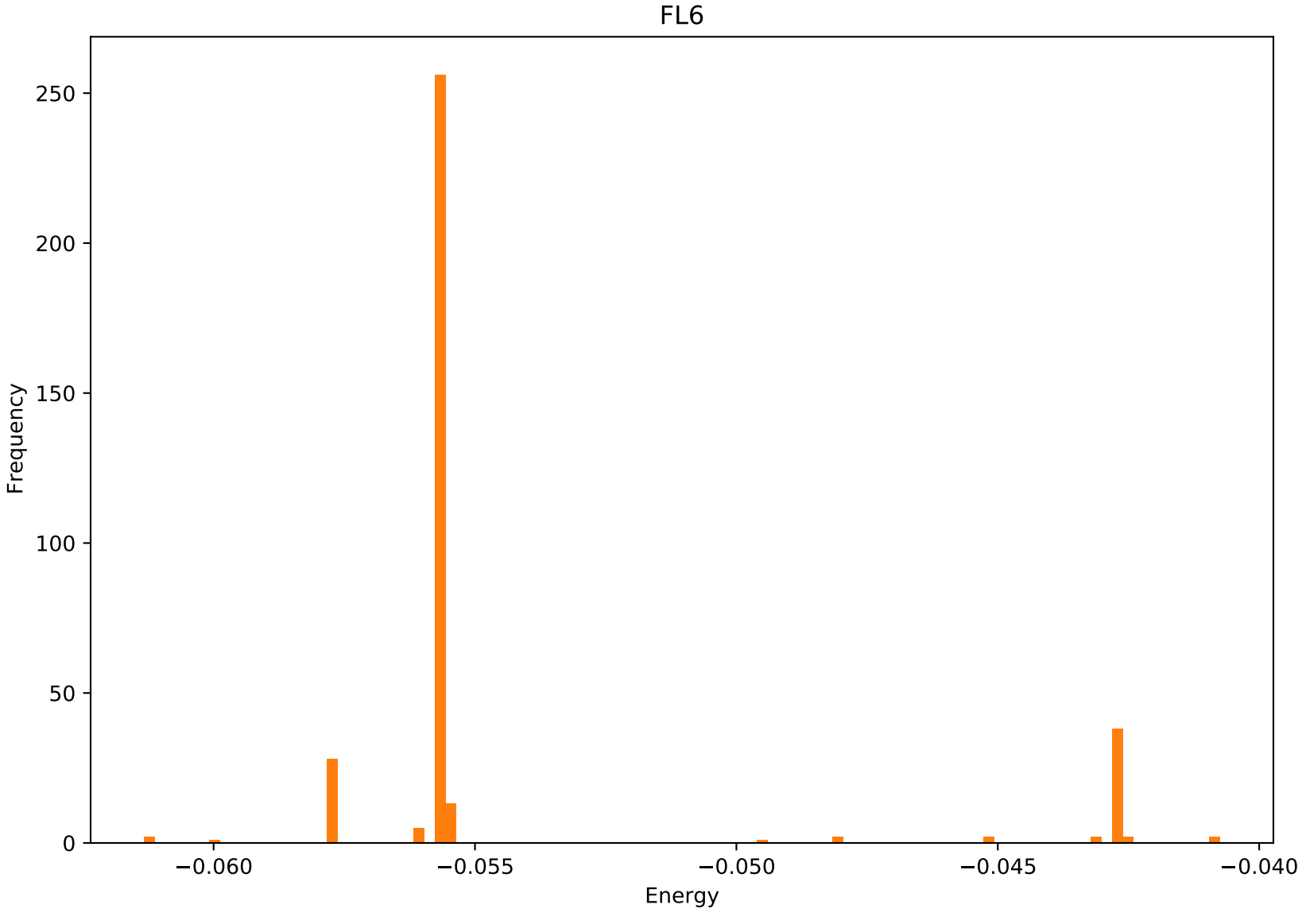

FL1
Frequency
Energy
0
50
100
150
200
250
300
0.6
0.8
1.0
1.2
1.4
1.6
1.8
Baseline: 1.33616

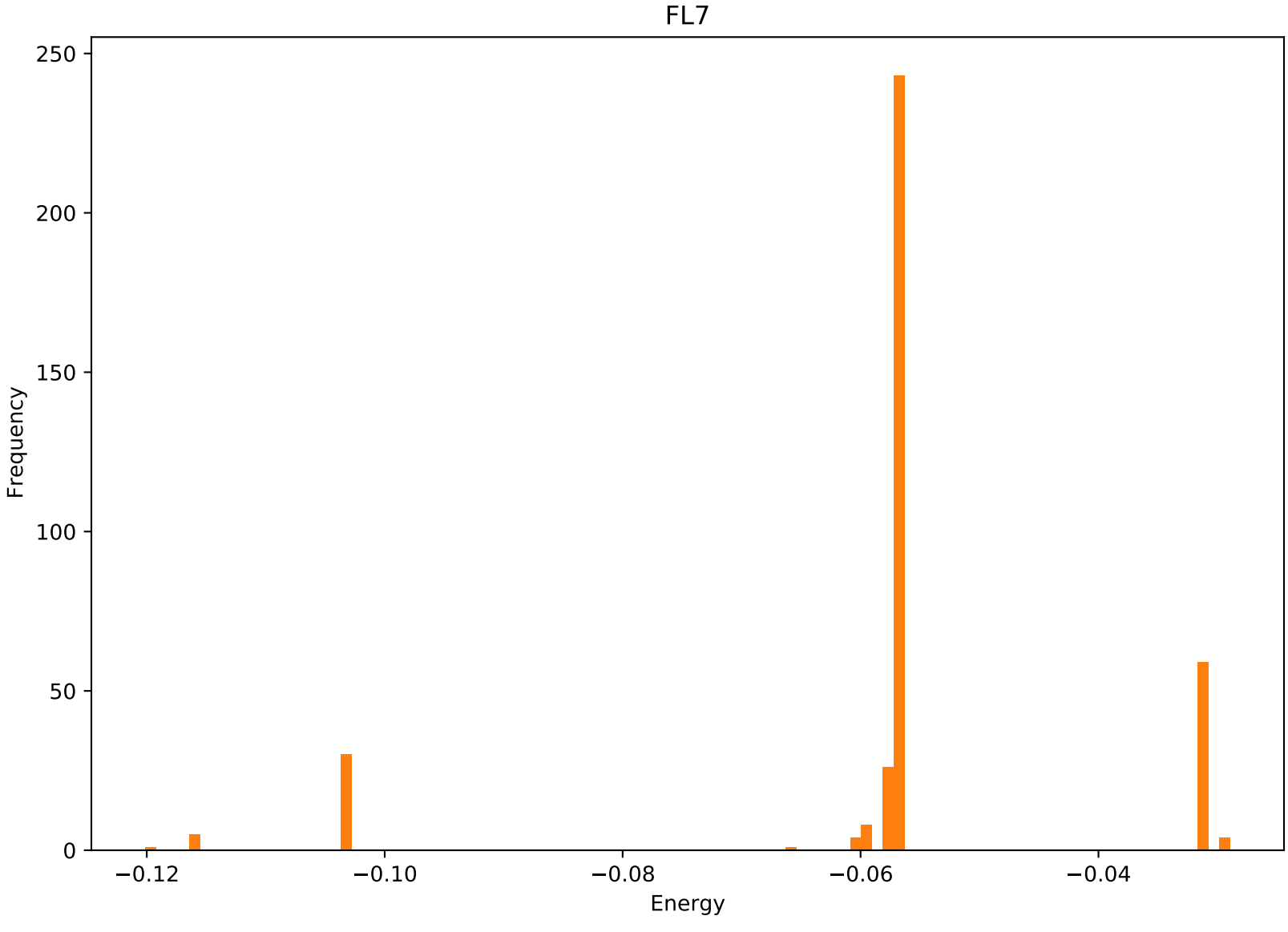

FL2
300
250
200
150
100
50
0
Frequency
−0.96
−0.94
−0.92
−0.90
Energy

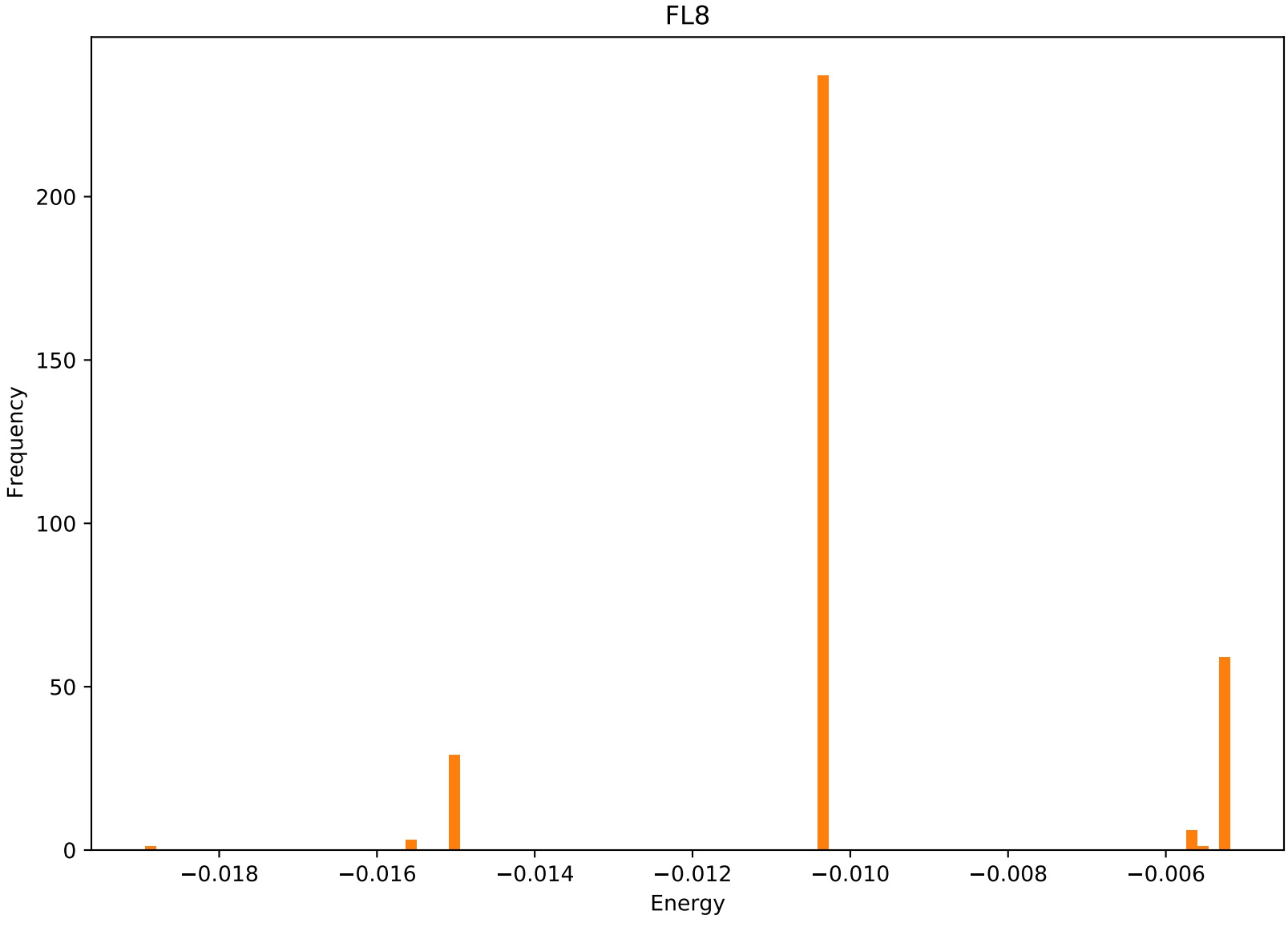

FL3
Frequency
300
250
200
150
100
50
0
Baseline:
-2.59864
−2.5
−2.4
−2.3
−2.2
−2.1
−2.0
−1.9
Energy

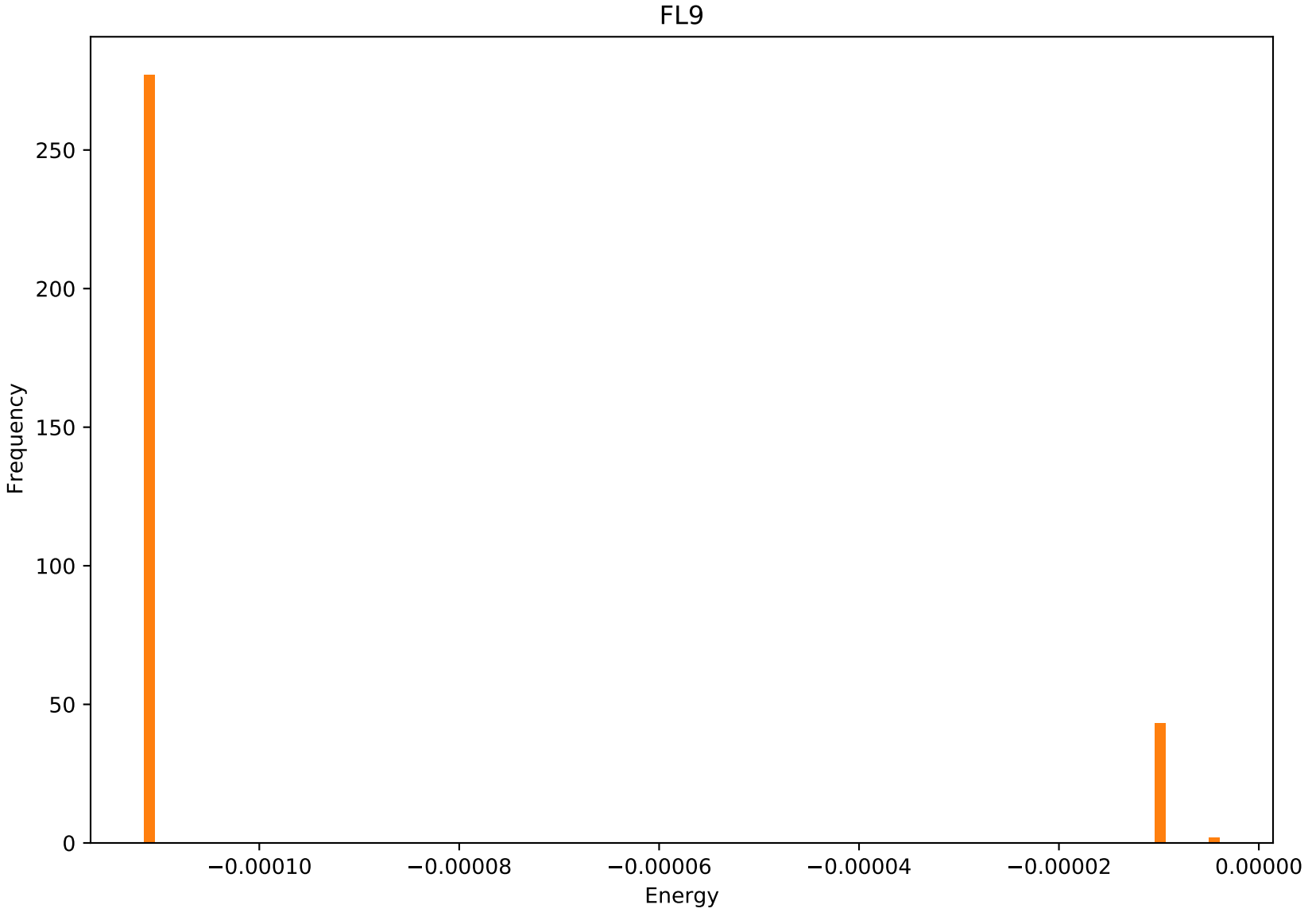

FL4
Frequency
Energy
0
50
100
150
200
250
−4.5
−4.0
−3.5
−3.0
−2.5
Baseline: -3.85484

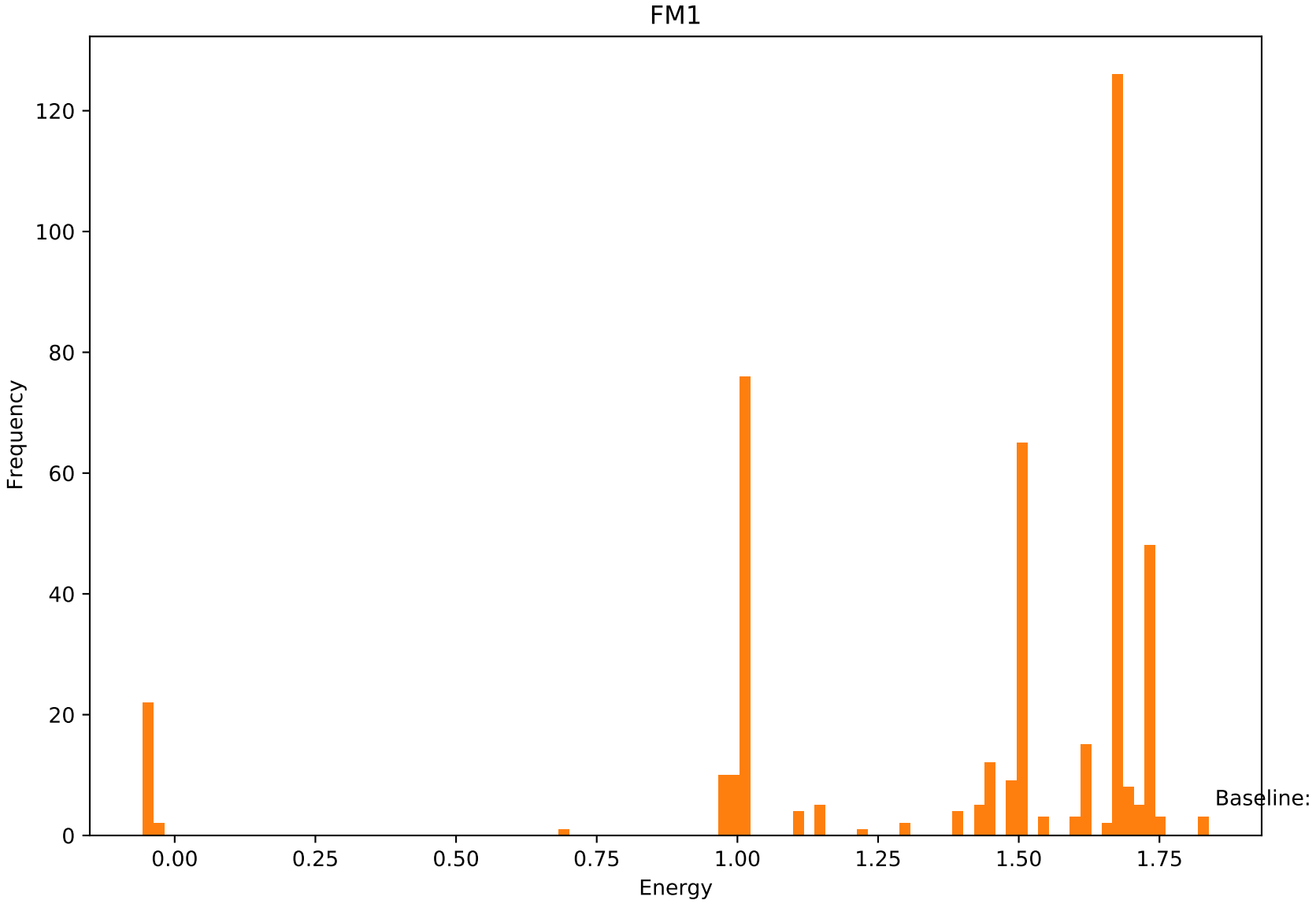

FL5
250
200
150
100
50
0
Frequency
−0.18
−0.17
−0.16
−0.15
−0.14
−0.13
Energy

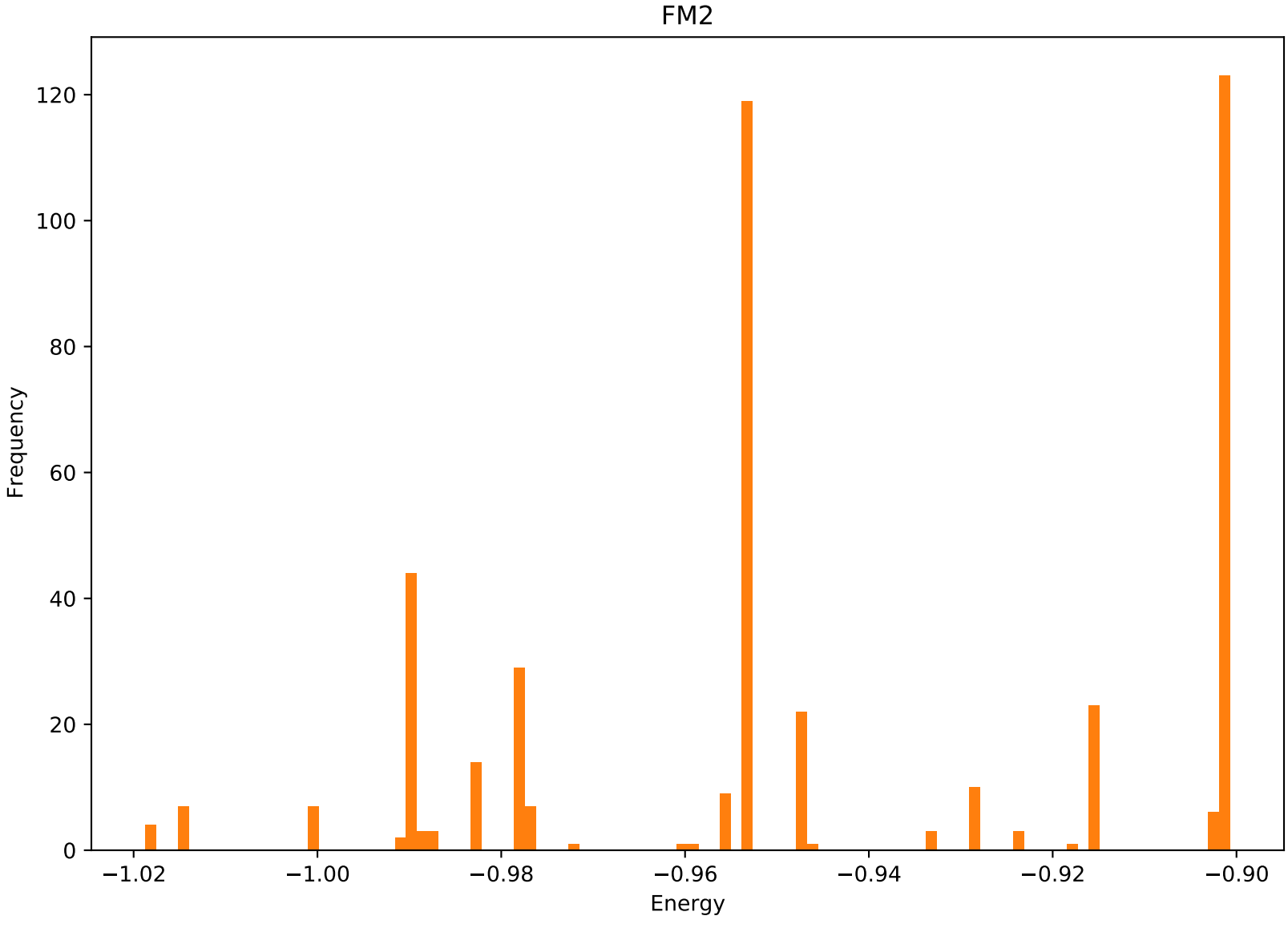

FL6
Frequency
Energy
250
200
150
100
50
0
−0.060
−0.055
−0.050
−0.045
−0.040

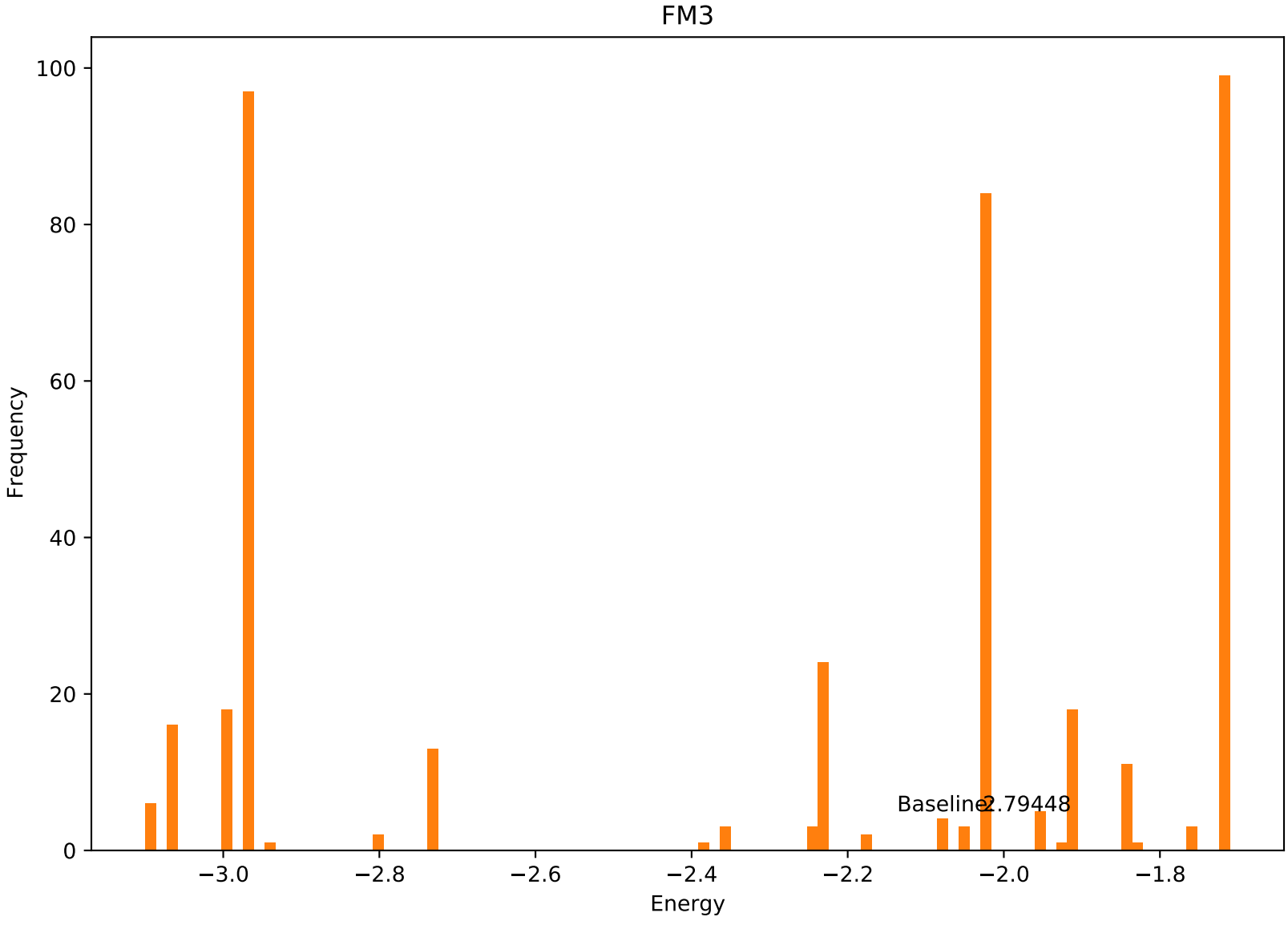

FL7
250
200
150
100
50
0
Frequency
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

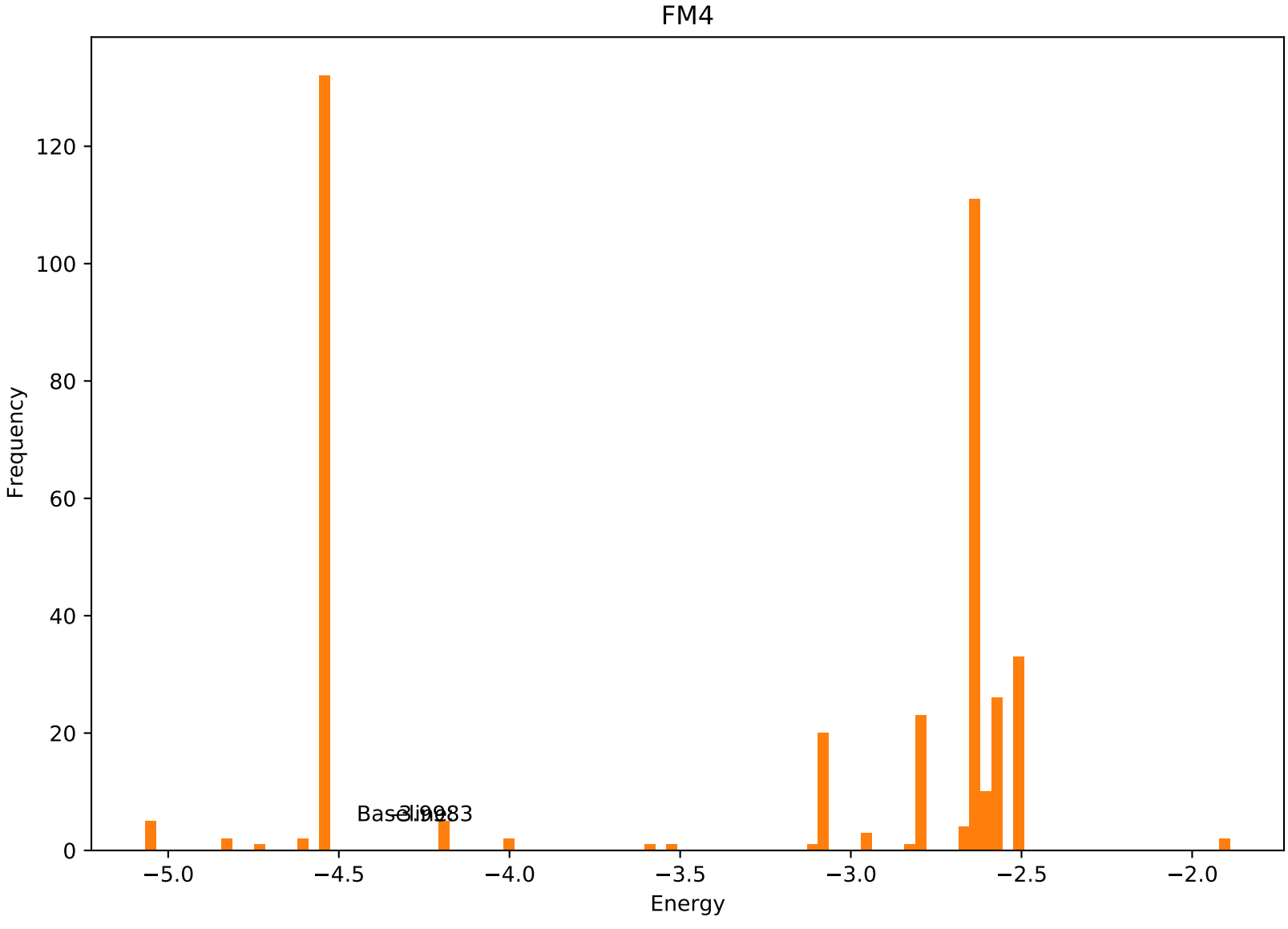

FL8
Frequency
200
150
100
50
0
−0.018
−0.016
−0.014
−0.012
−0.010
−0.008
−0.006
Energy

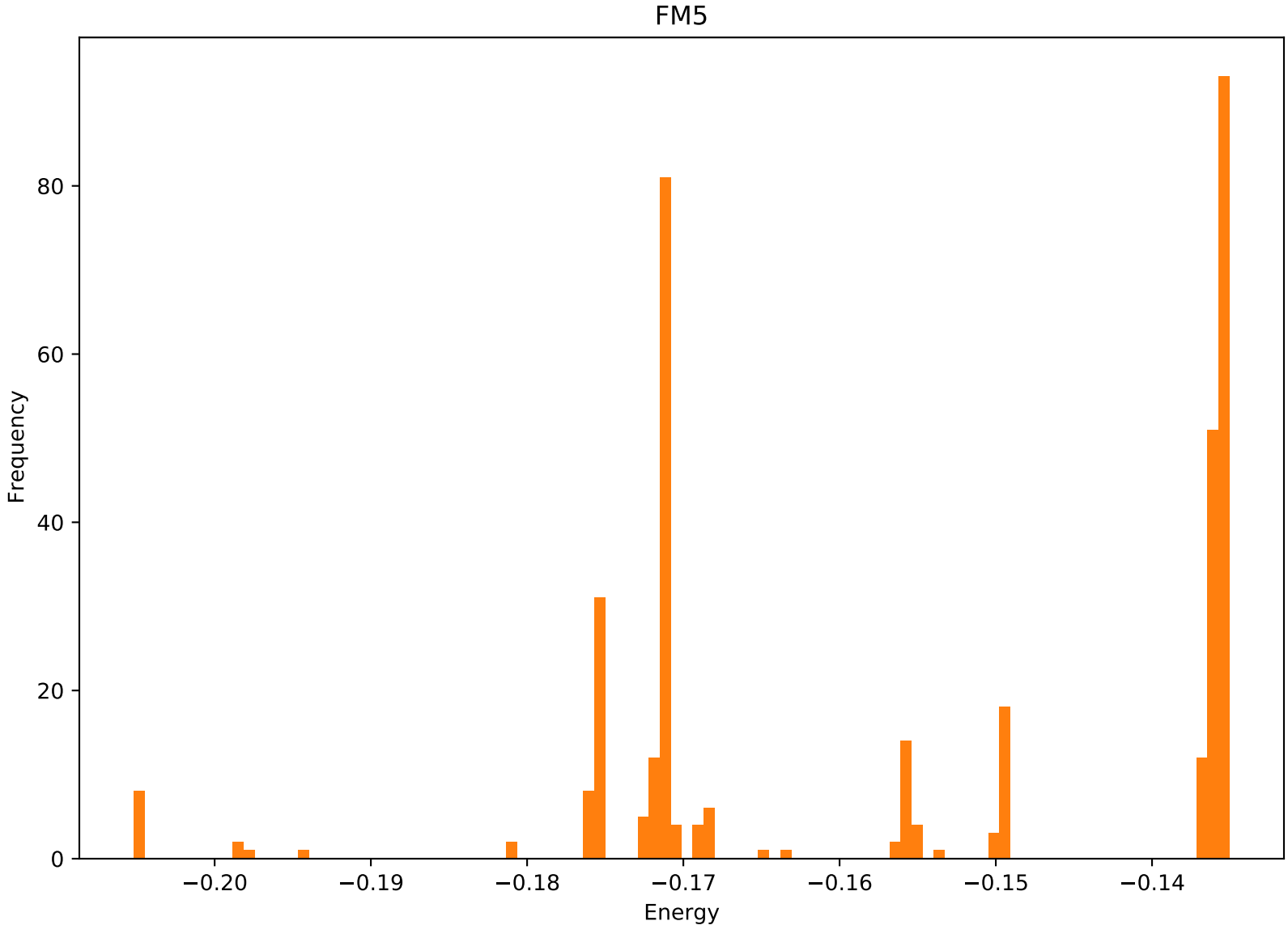

FL9
Frequency
250
200
150
100
50
0
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

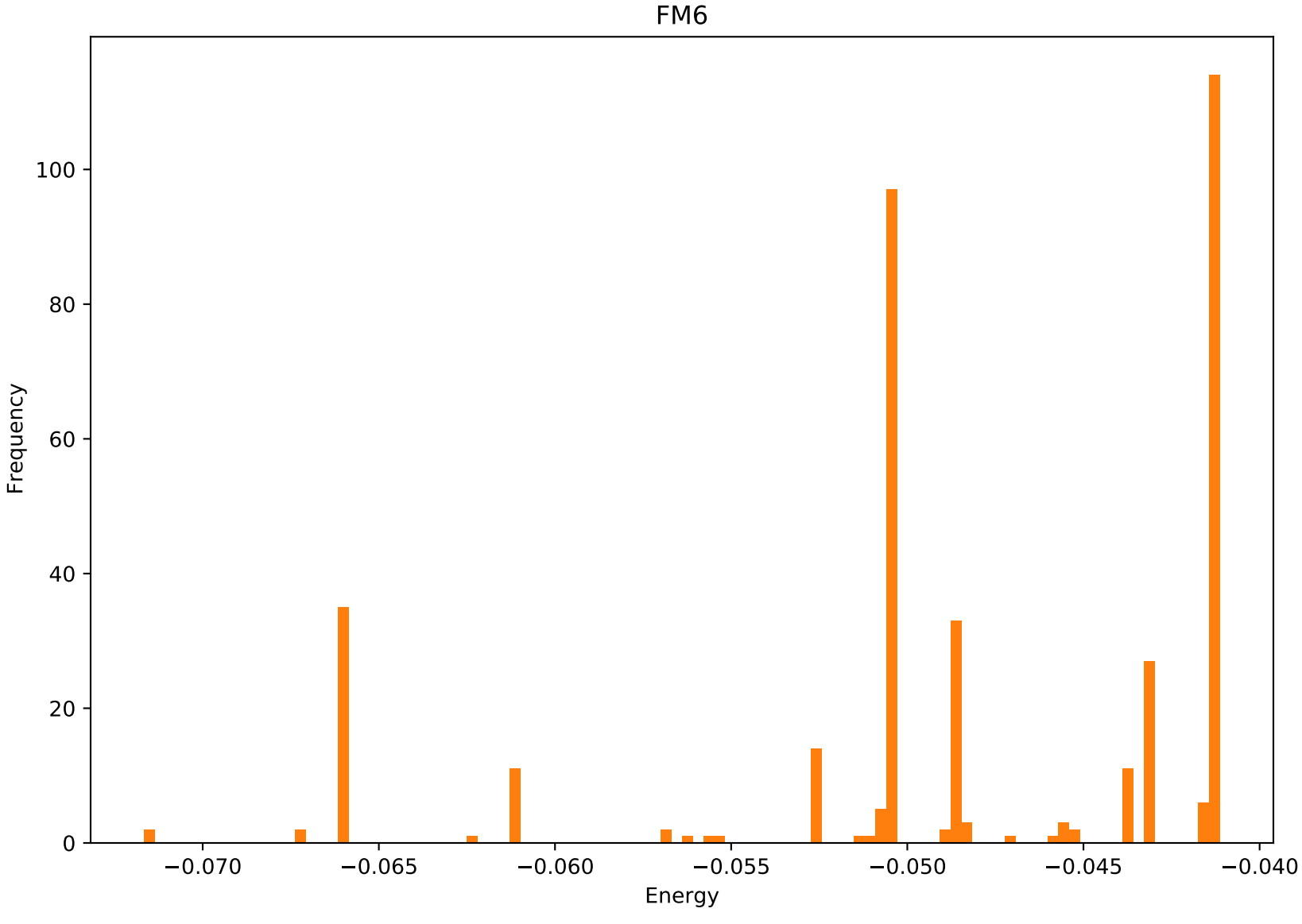

FM1
Frequency
Energy
0
20
40
60
80
100
120
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
Baseline:

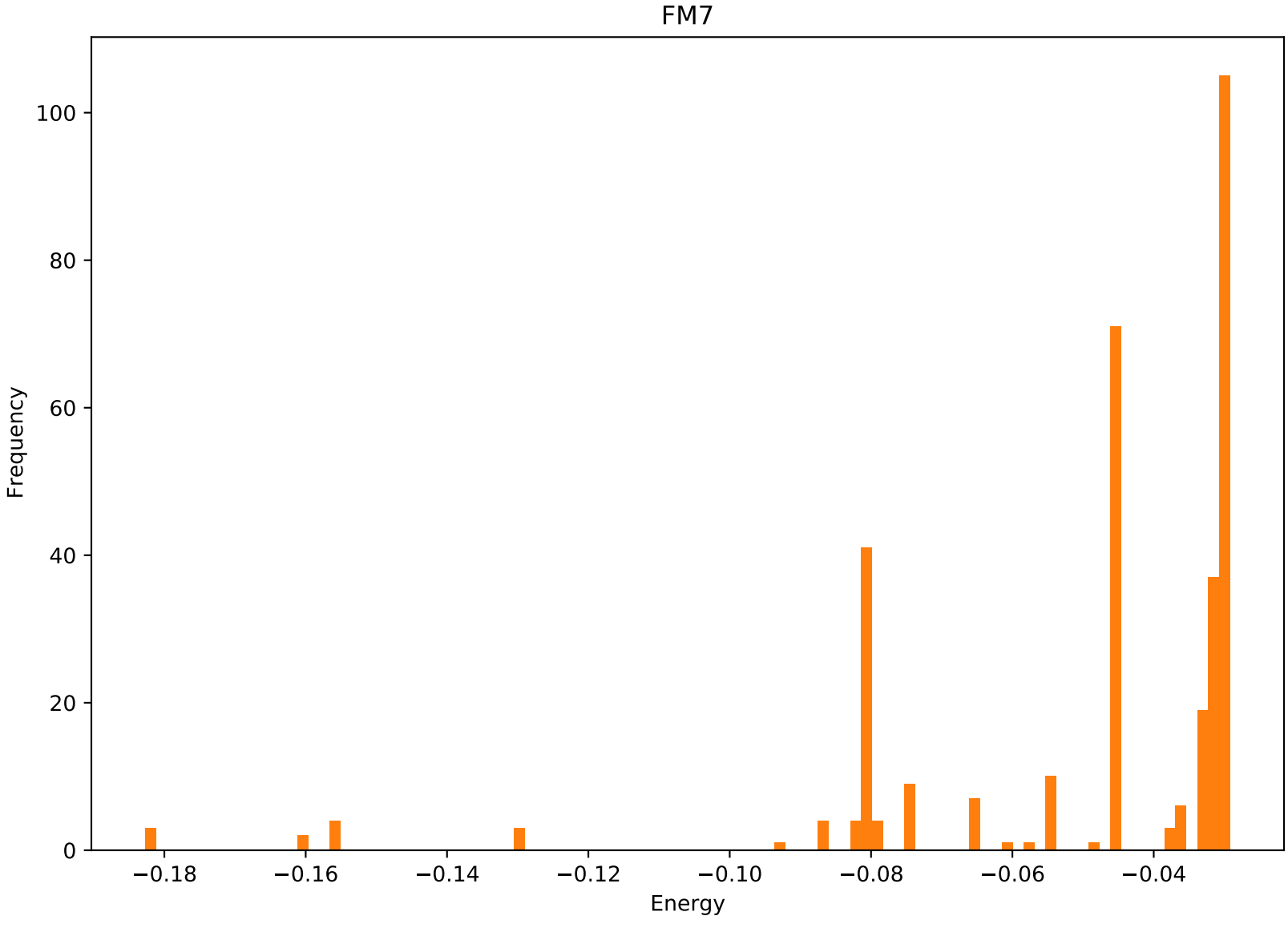

FM2
Frequency
Energy
0
20
40
60
80
100
120
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90

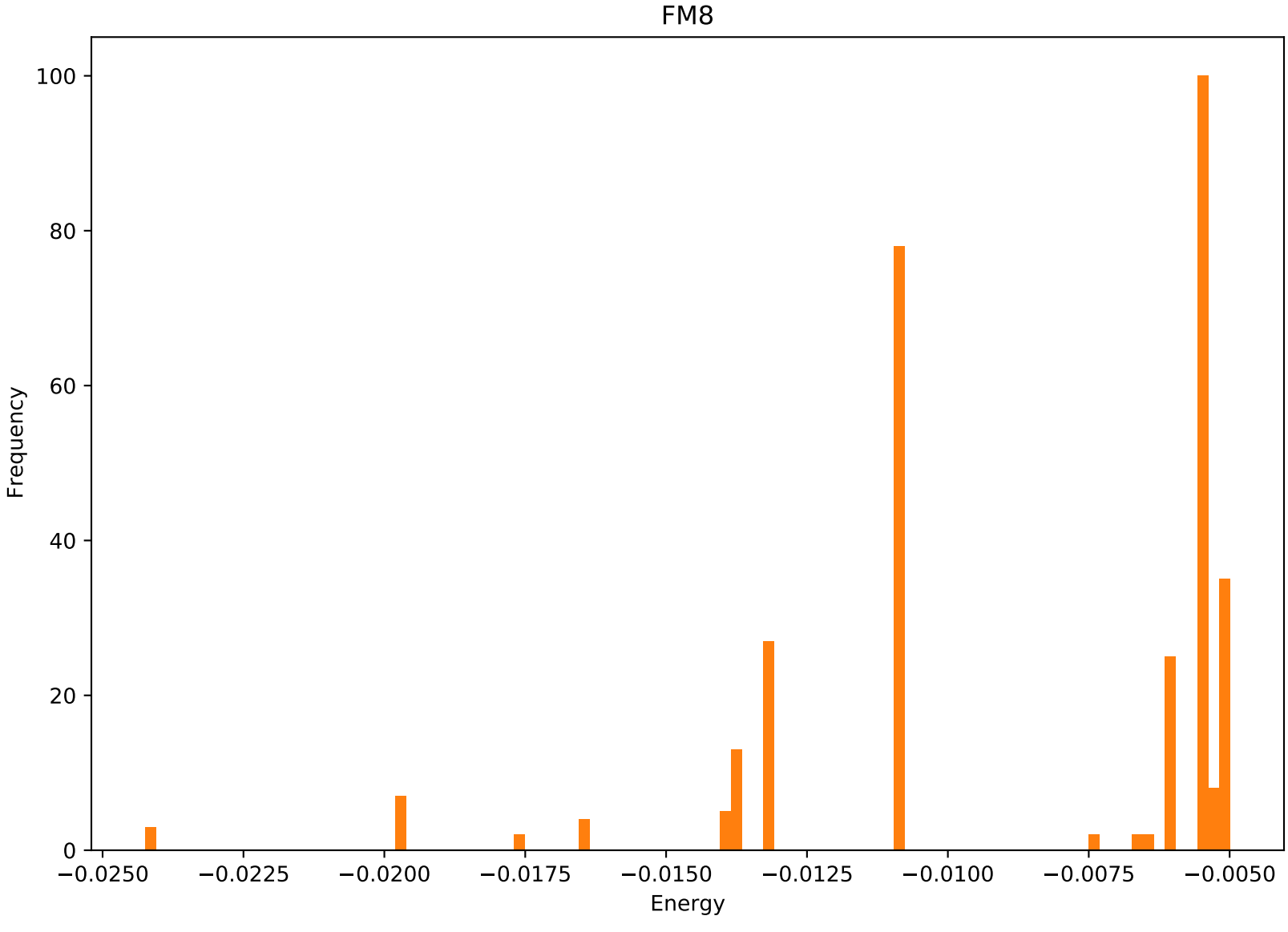

FM3
Frequency
Energy
Baseline2.79448
100
80
60
40
20
0
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

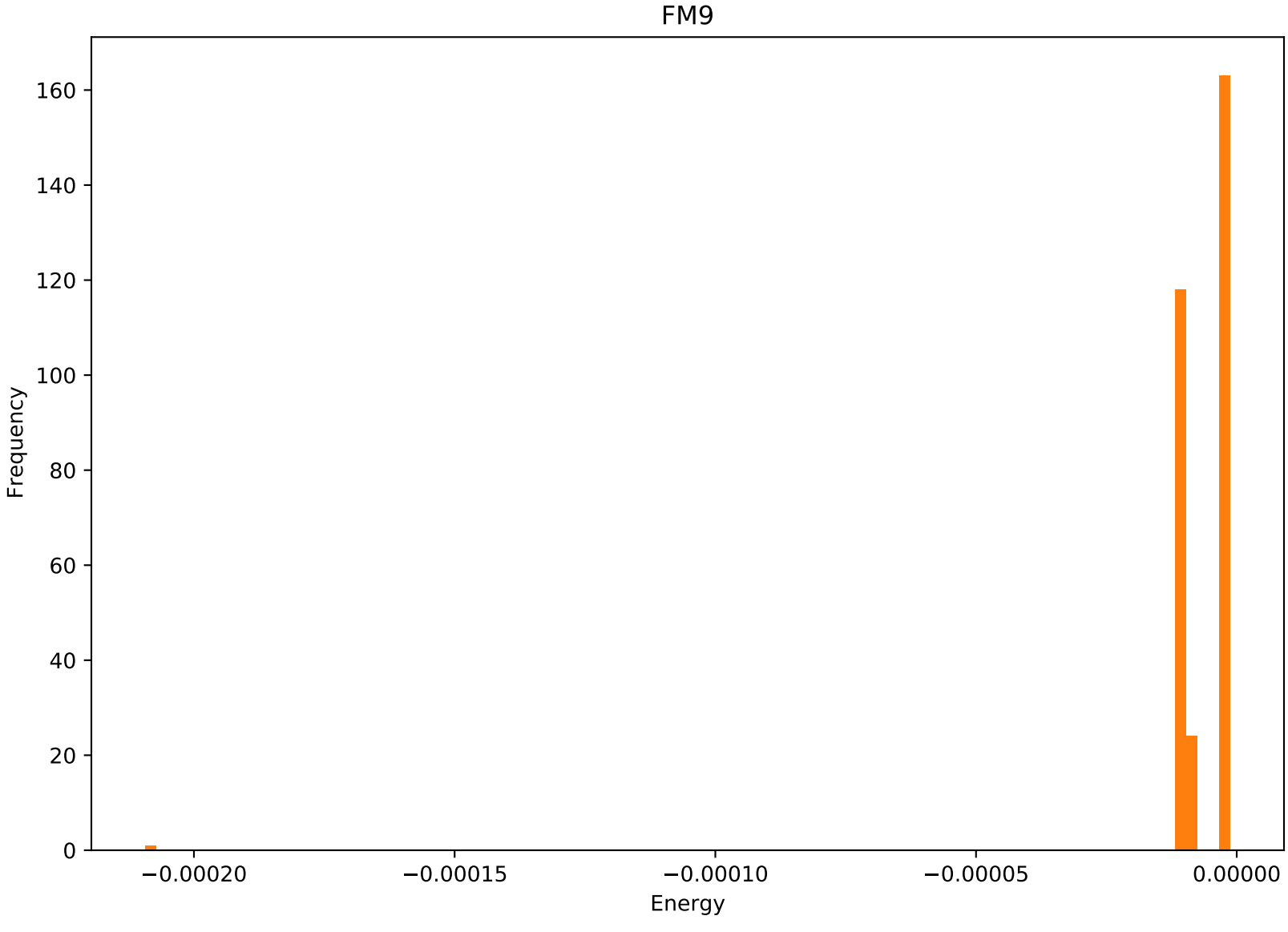

FM4
Frequency
Energy
120
100
80
60
40
20
0
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
−2.0

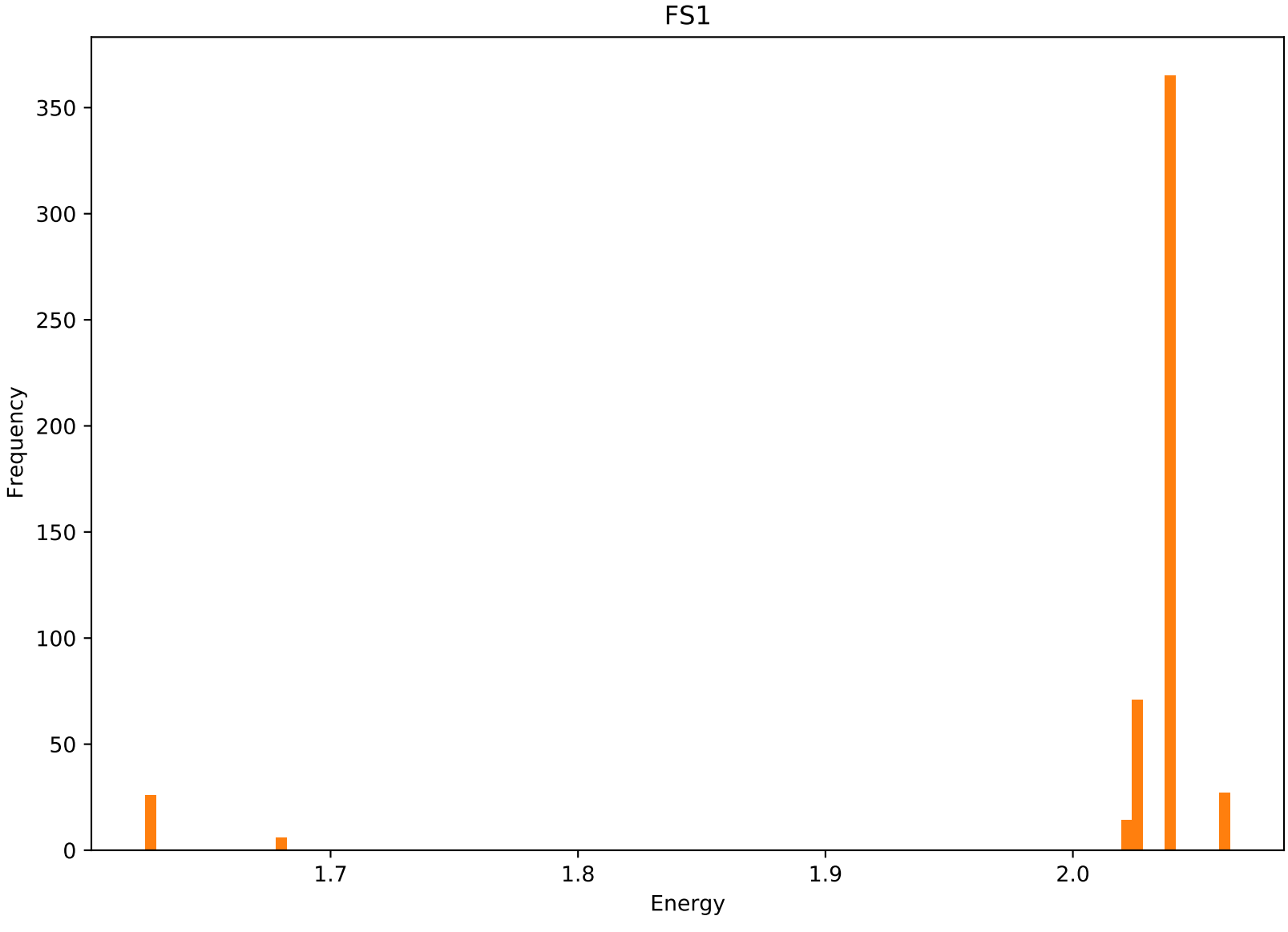

FM5
Frequency
0
20
40
60
80
−0.20
−0.19
−0.18
−0.17
−0.16
−0.15
−0.14
Energy

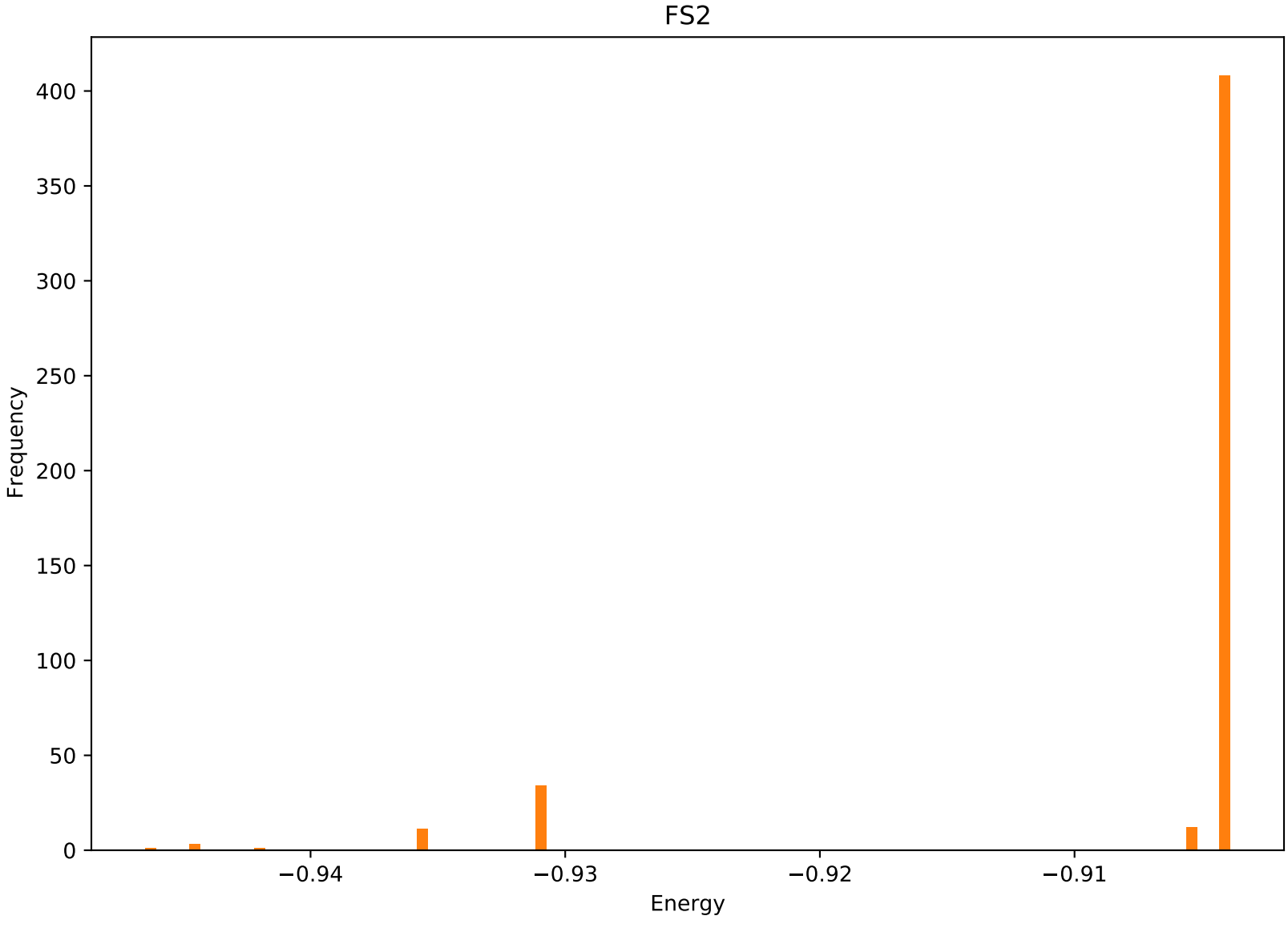

FM6
Frequency
Energy
0
20
40
60
80
100
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040

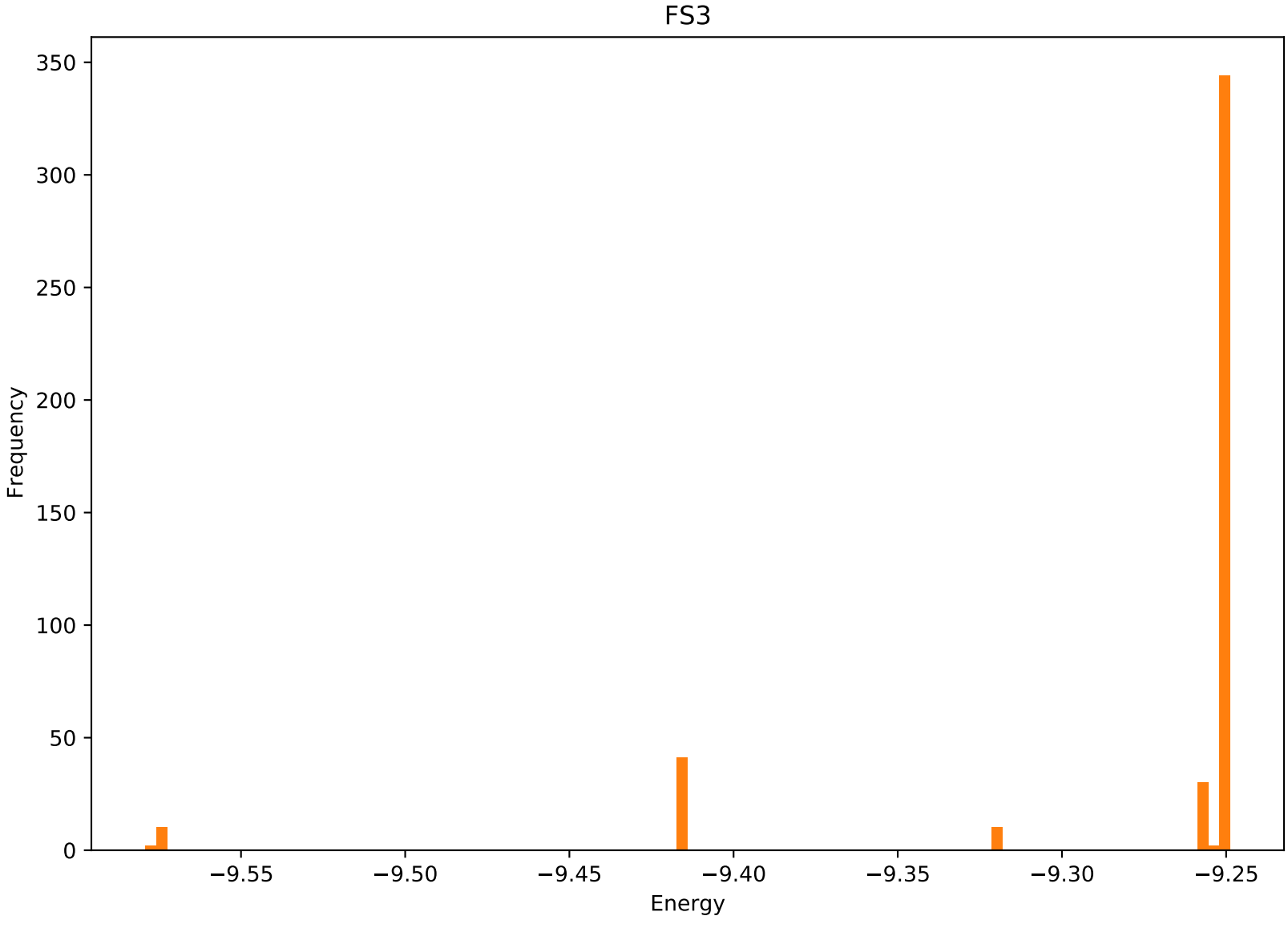

FM7
Frequency
Energy
0
20
40
60
80
100
−0.18
−0.16
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04

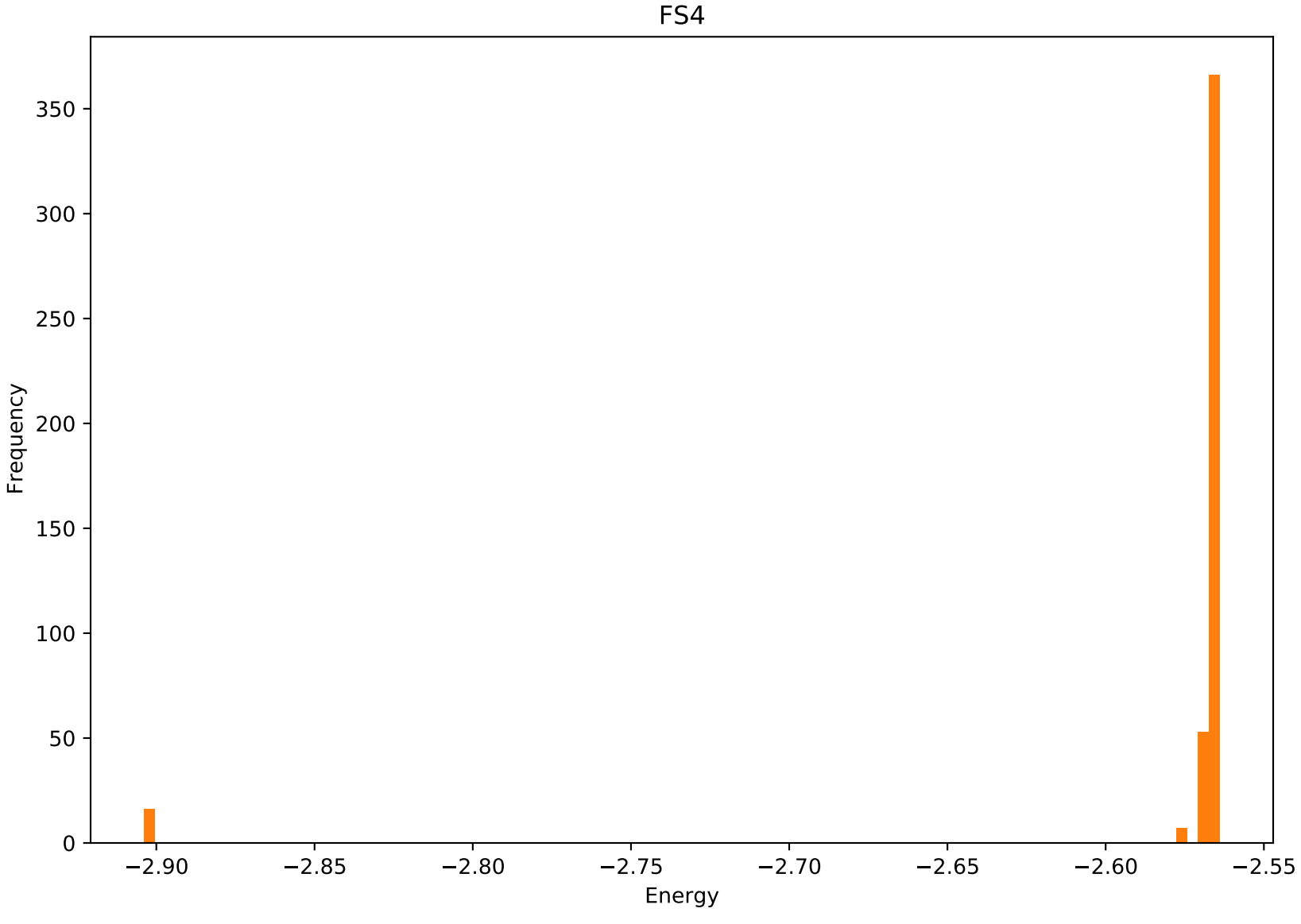

FM8
Frequency
Energy
0
20
40
60
80
100
−0.0250
−0.0225
−0.0200
−0.0175
−0.0150
−0.0125
−0.0100
−0.0075
−0.0050

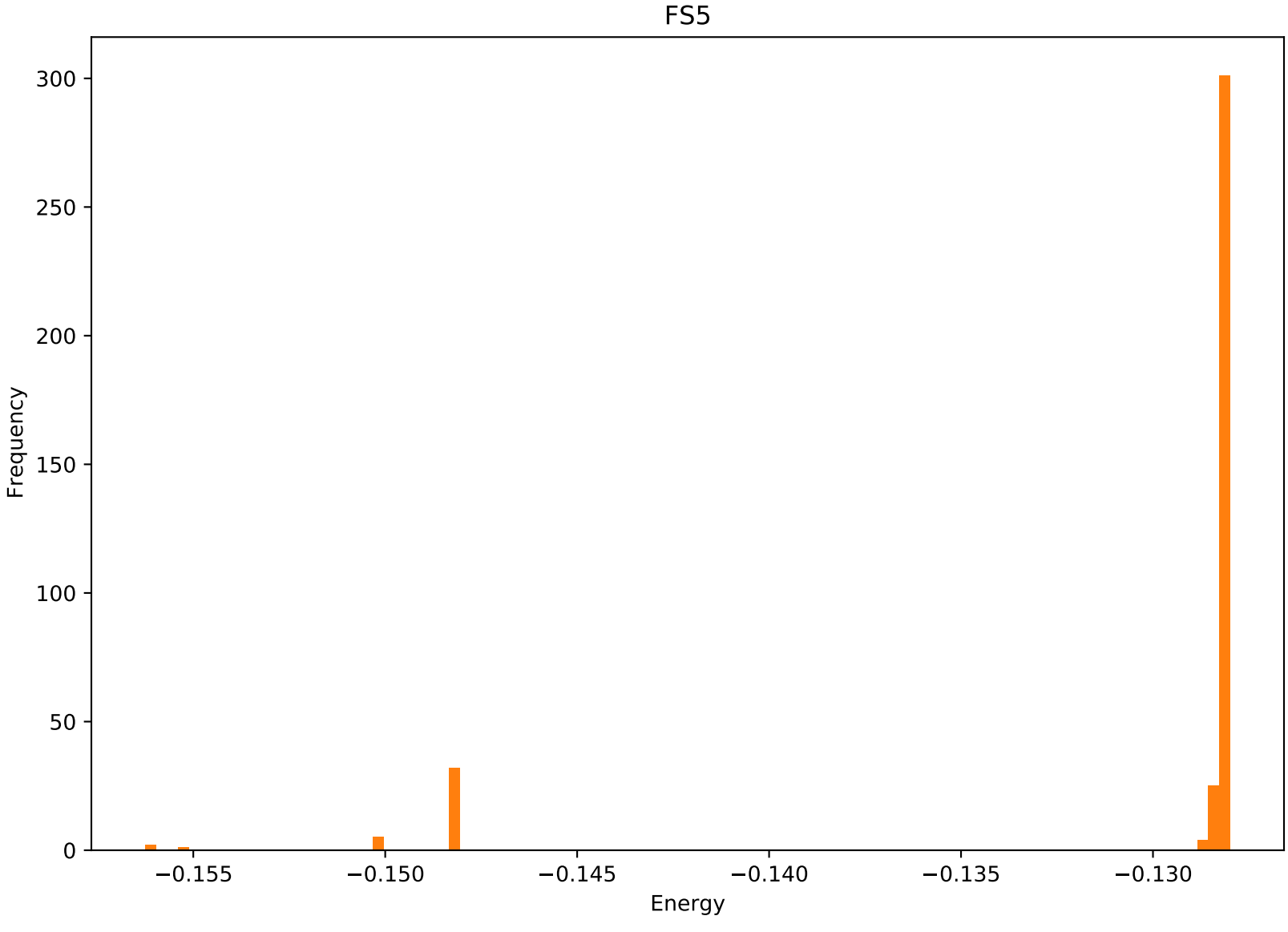

FM9
Frequency
160
140
120
100
80
60
40
20
0
−0.00020
−0.00015
−0.00010
−0.00005
0.00000
Energy

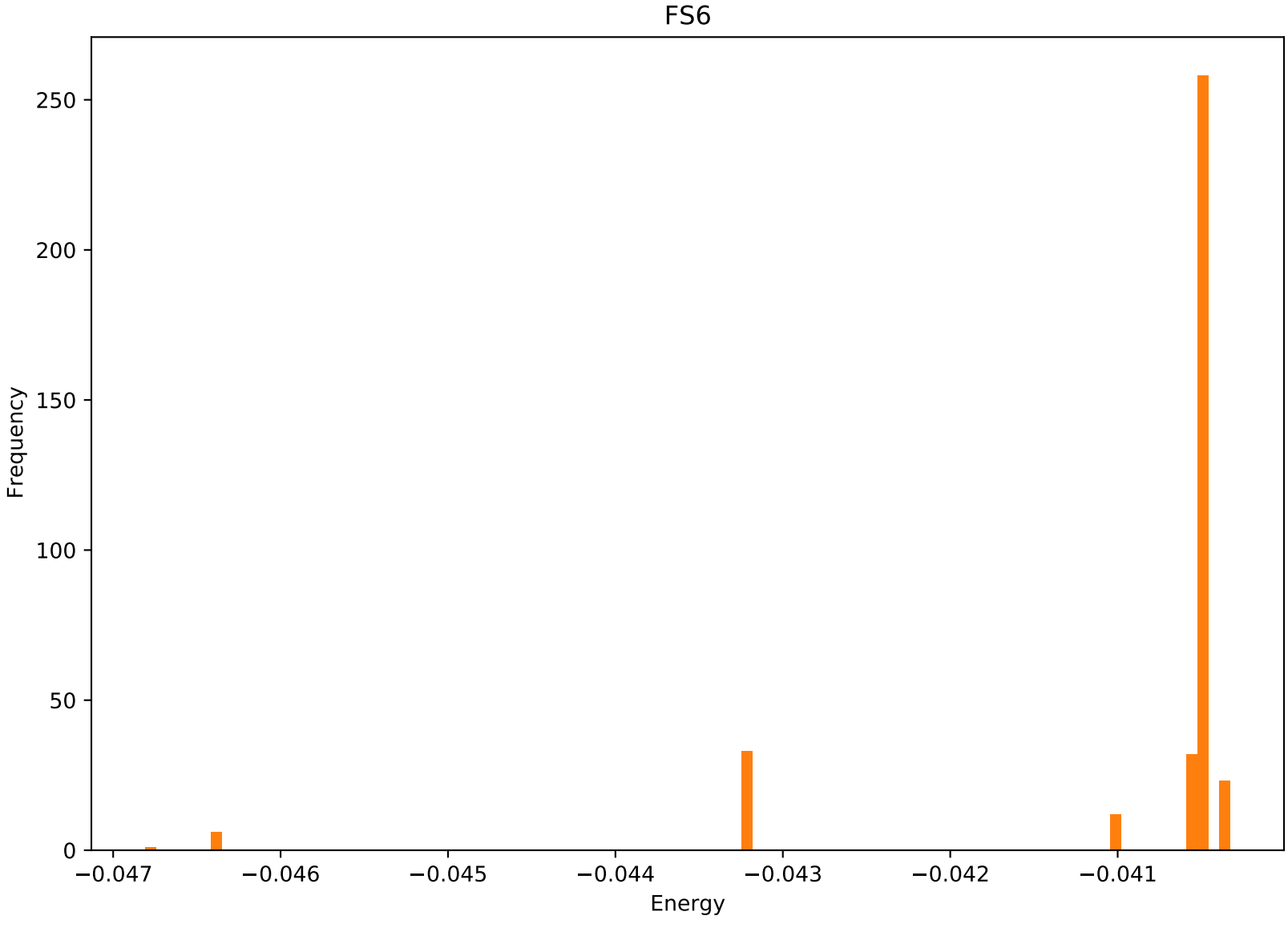

FS1
Frequency
0
50
100
150
200
250
300
350
1.7
1.8
1.9
2.0
Energy

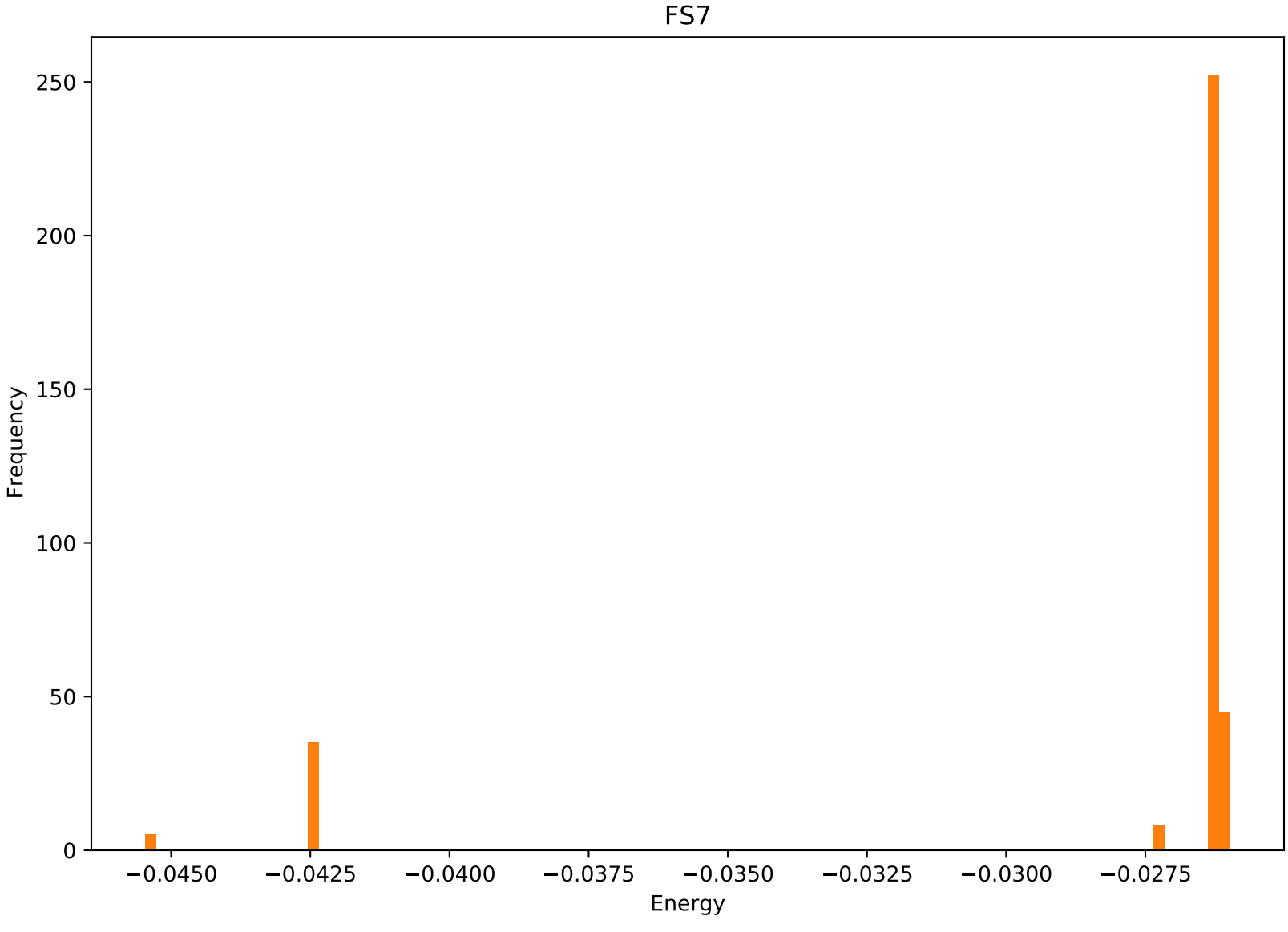

FS2
Frequency
400
350
300
250
200
150
100
50
0
−0.94
−0.93
−0.92
−0.91
Energy

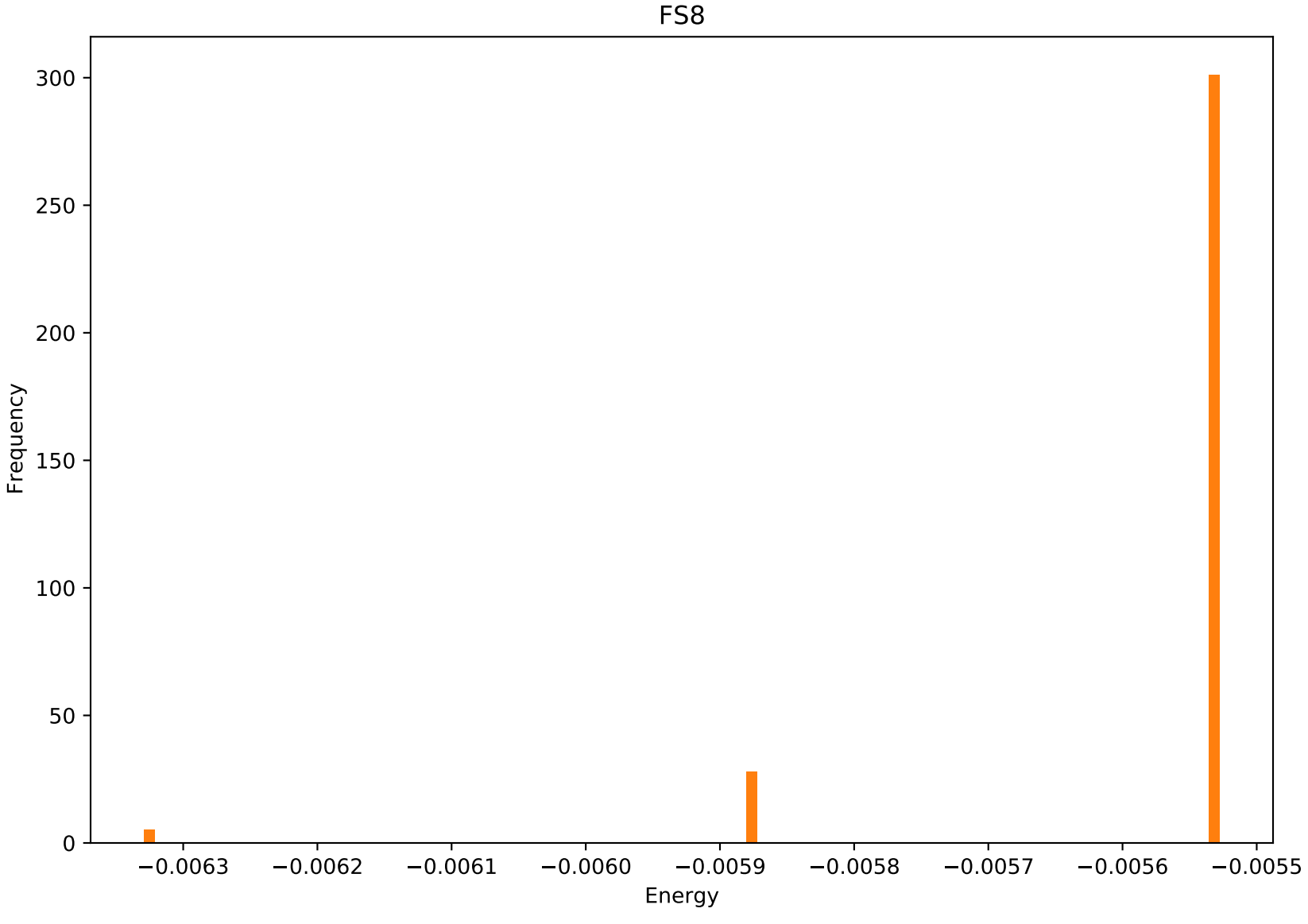

FS3
Frequency
Energy
350
300
250
200
150
100
50
0
−9.55
−9.50
−9.45
−9.40
−9.35
−9.30
−9.25

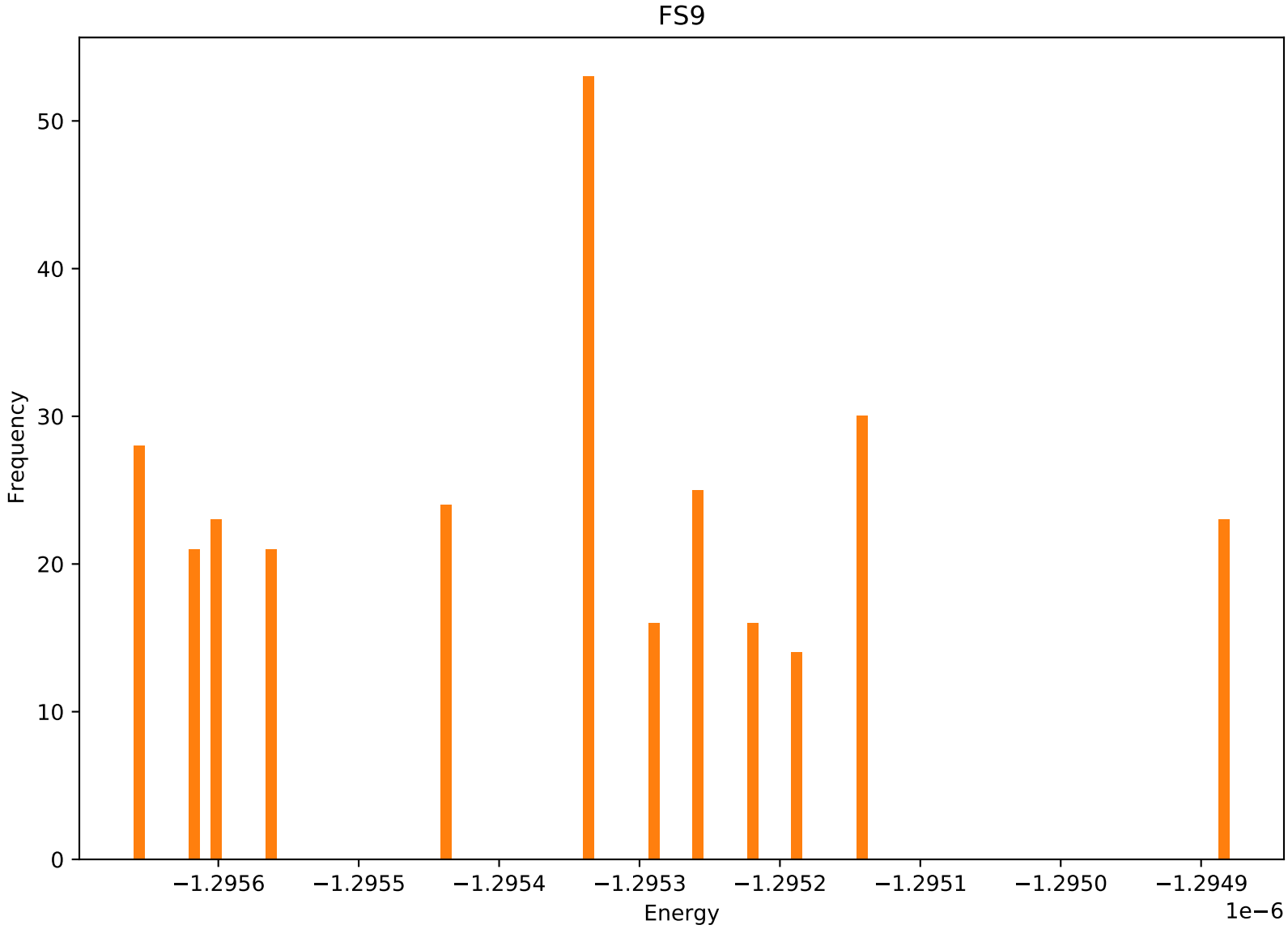

FS4
Frequency
Energy
0
50
100
150
200
250
300
350
−2.90
−2.85
−2.80
−2.75
−2.70
−2.65
−2.60
−2.55

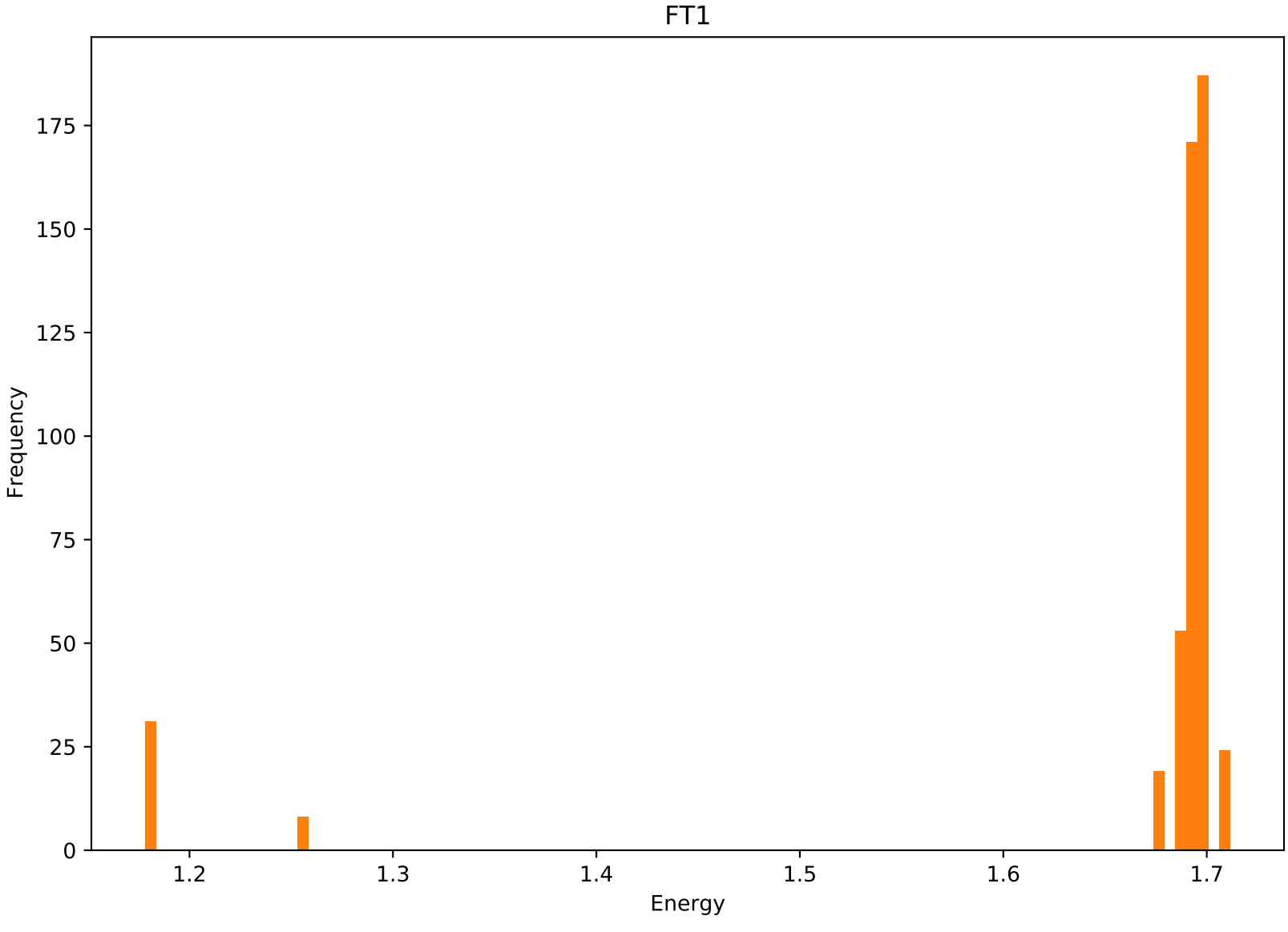

FS5
Frequency
Energy
300
250
200
150
100
50
0
−0.155
−0.150
−0.145
−0.140
−0.135
−0.130

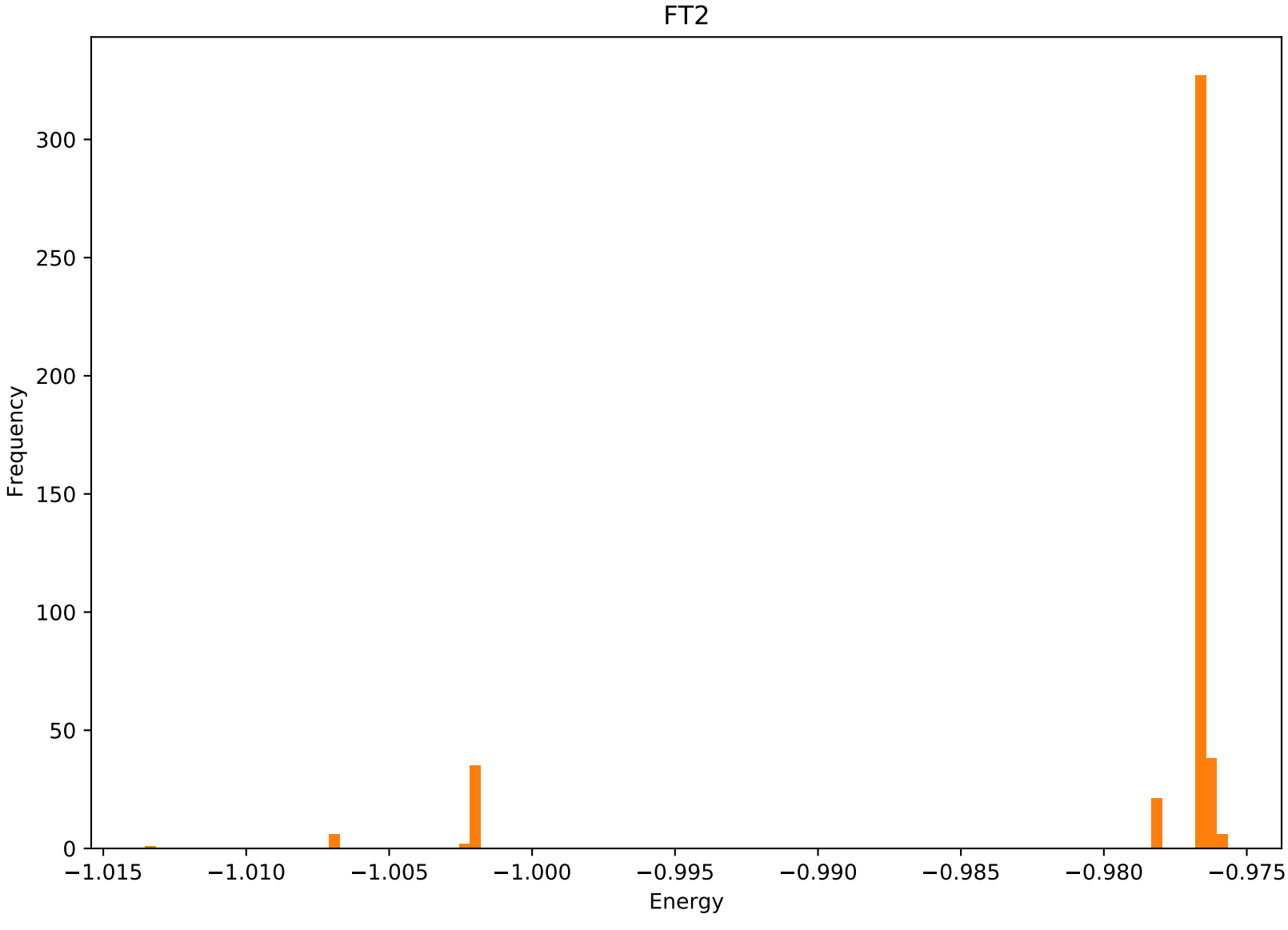

FS6
Frequency
Energy
0
50
100
150
200
250
−0.047
−0.046
−0.045
−0.044
−0.043
−0.042
−0.041

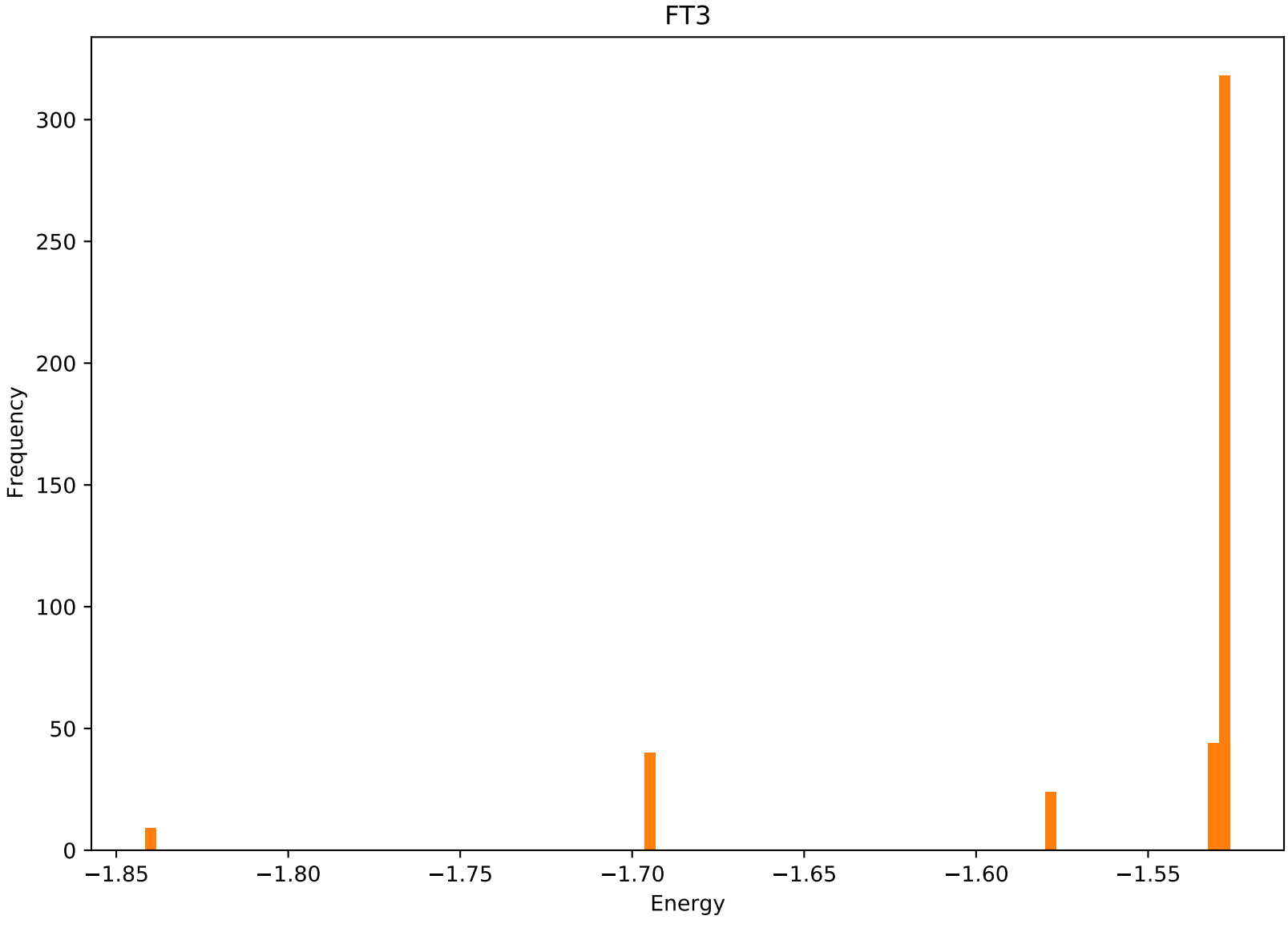

FS7
Frequency
Energy
250
200
150
100
50
0
−0.0450
−0.0425
−0.0400
−0.0375
−0.0350
−0.0325
−0.0300
−0.0275

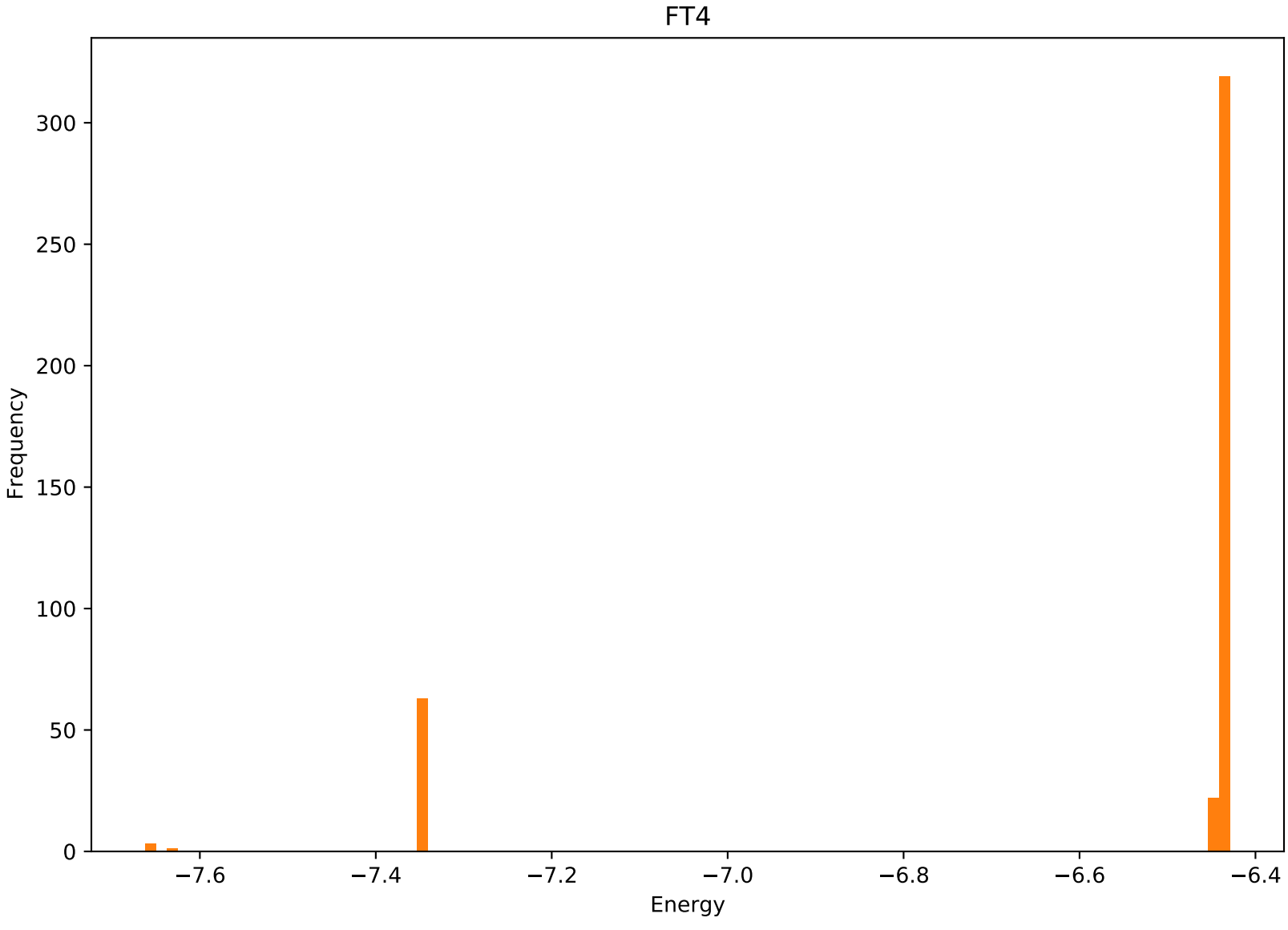

FS8
Frequency
300
250
200
150
100
50
0
−0.0063
−0.0062
−0.0061
−0.0060
−0.0059
−0.0058
−0.0057
−0.0056
−0.0055
Energy

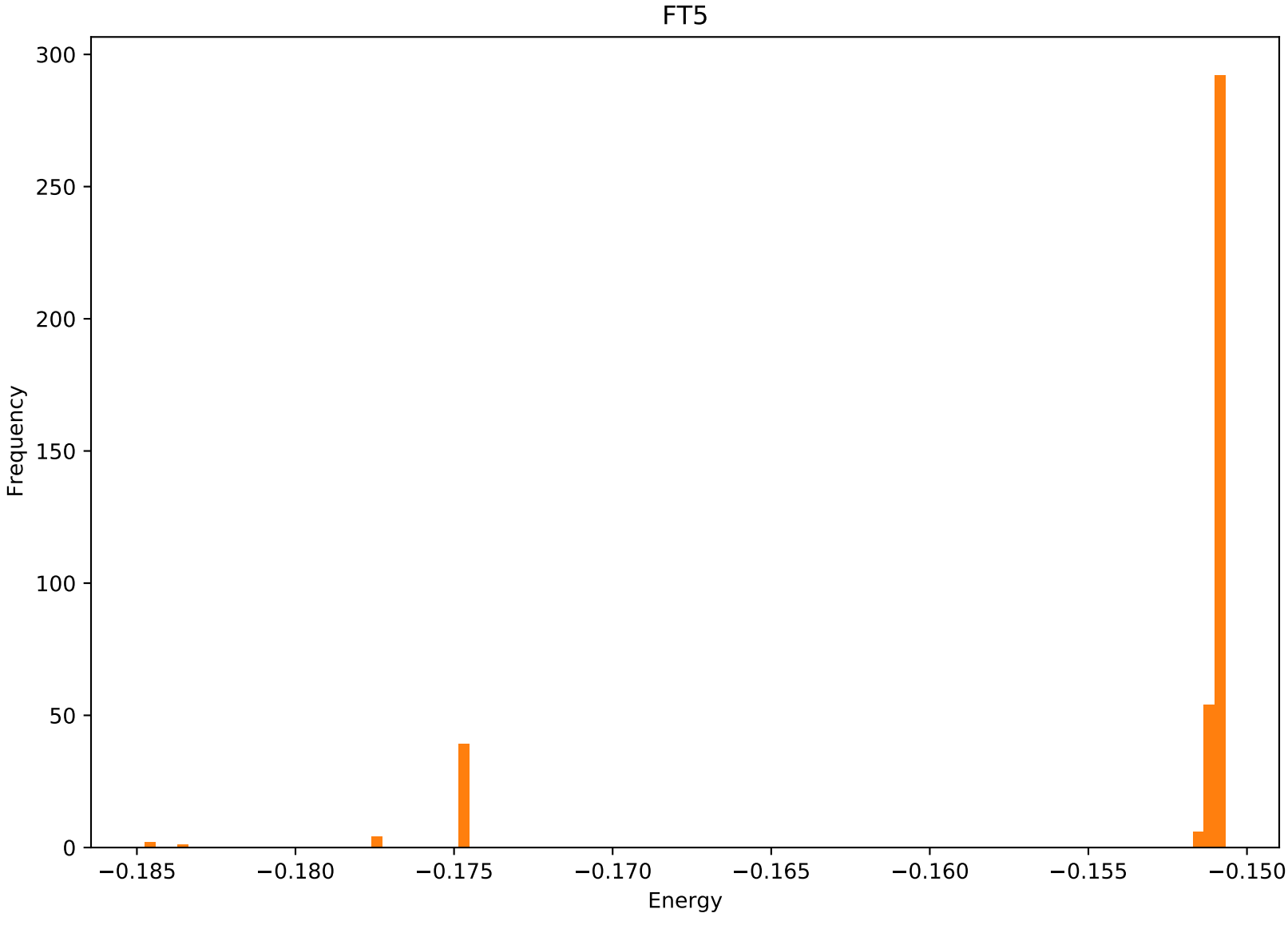

FS9
Frequency
0
10
20
30
40
50
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

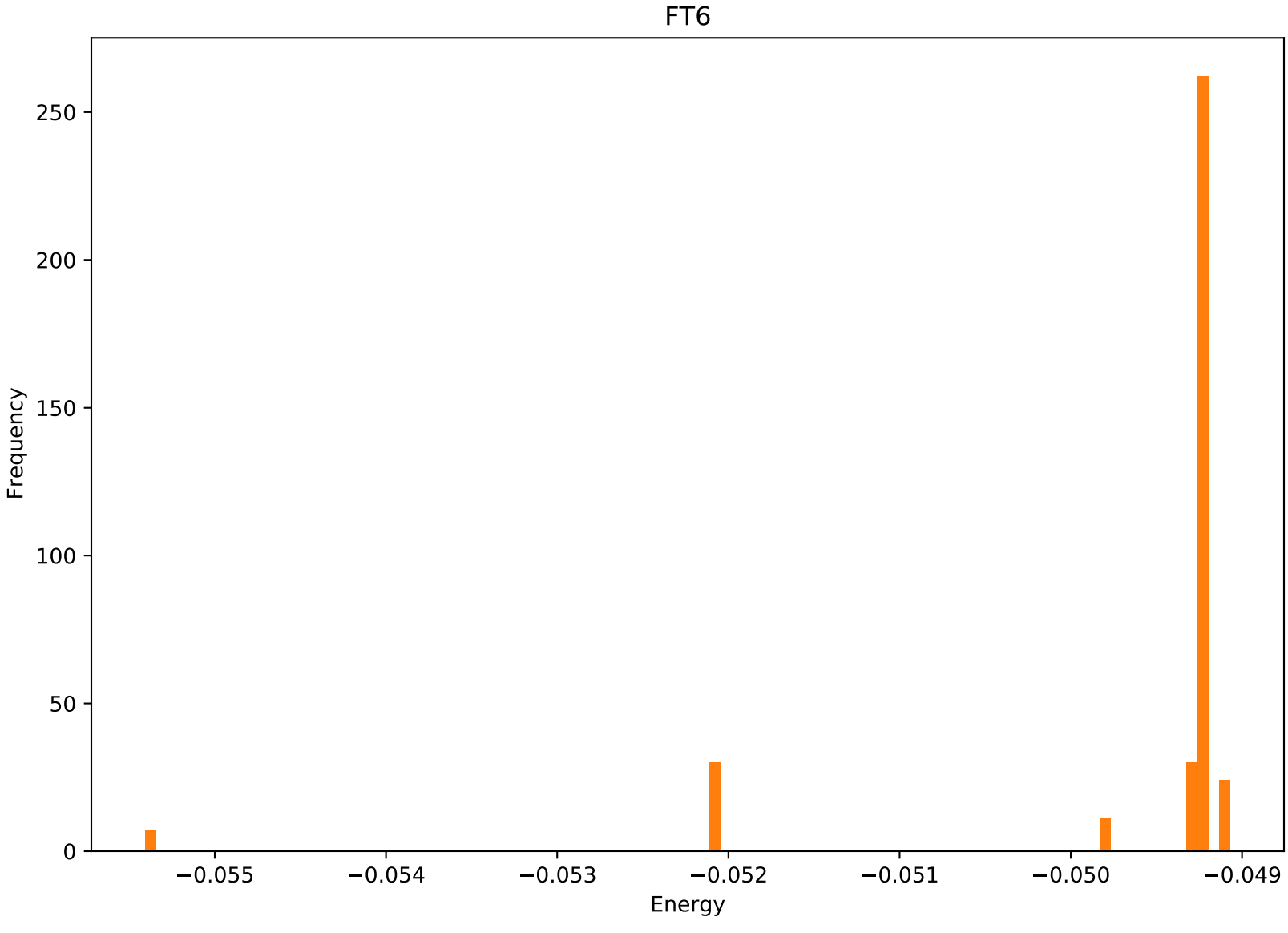

FT1
Frequency
Energy
0
25
50
75
100
125
150
175
1.2
1.3
1.4
1.5
1.6
1.7

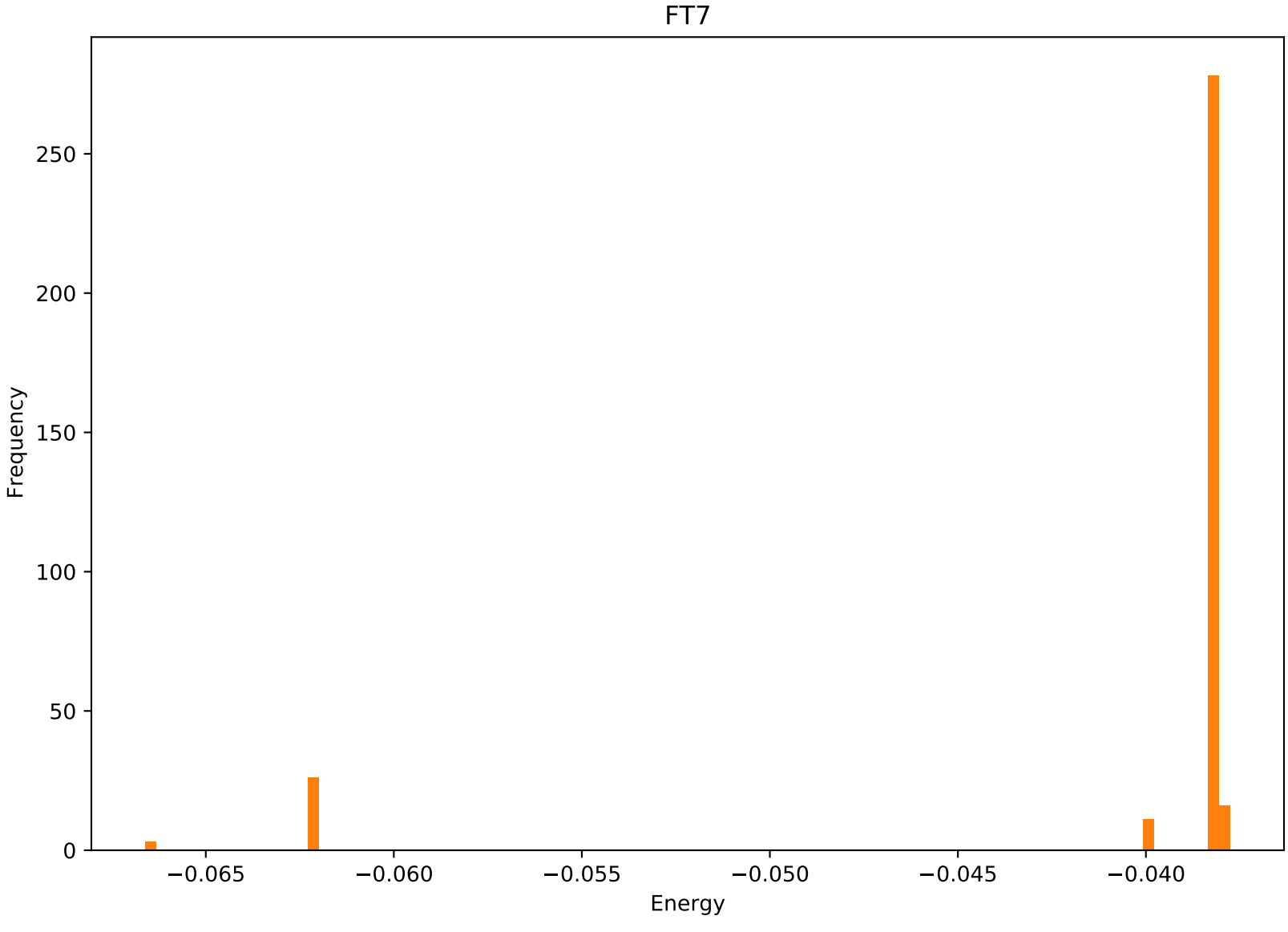

FT2
Frequency
Energy
0
50
100
150
200
250
300
−1.015
−1.010
−1.005
−1.000
−0.995
−0.990
−0.985
−0.980
−0.975

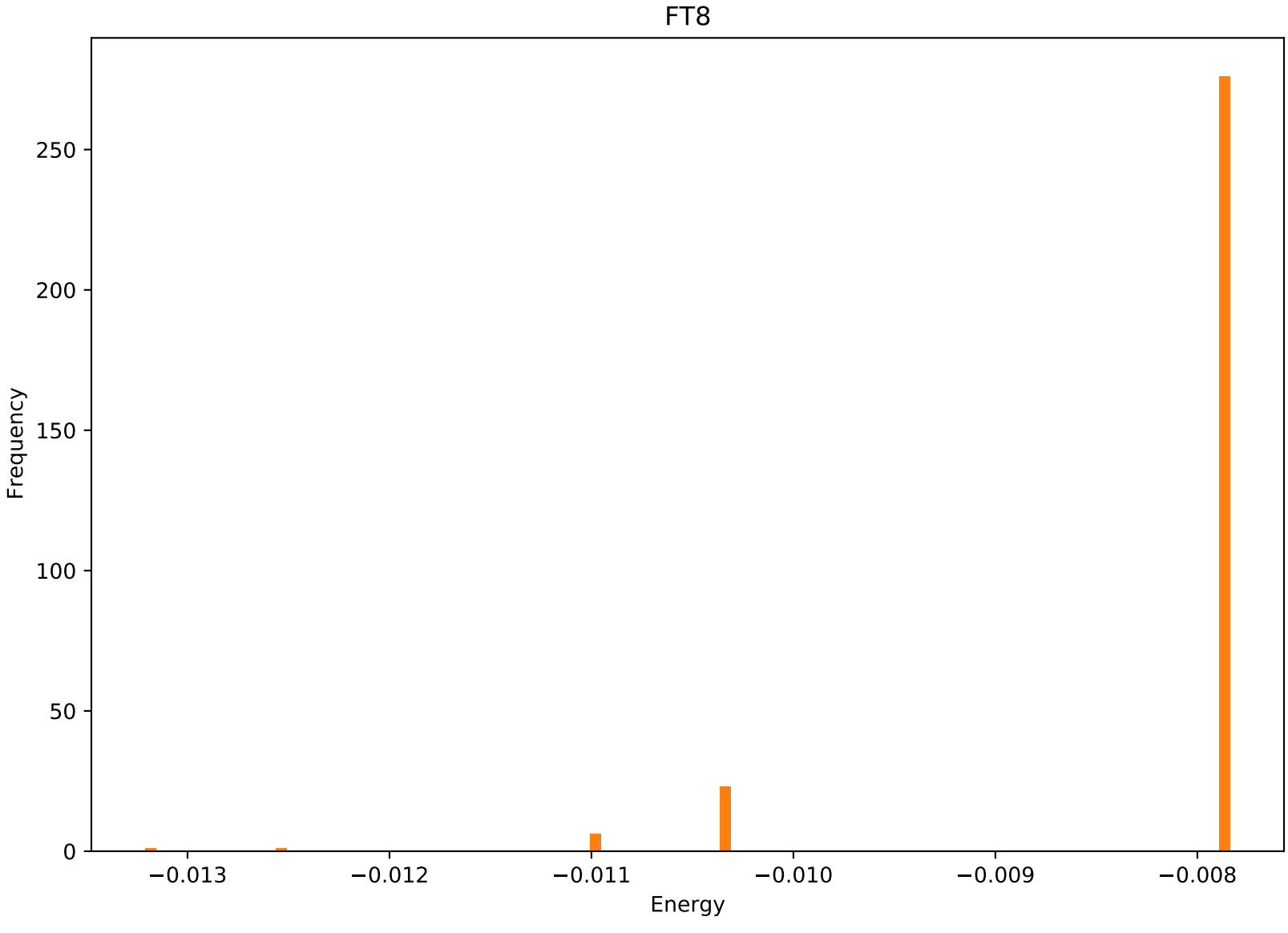

FT3
Frequency
300
250
200
150
100
50
0
−1.85
−1.80
−1.75
−1.70
−1.65
−1.60
−1.55
Energy

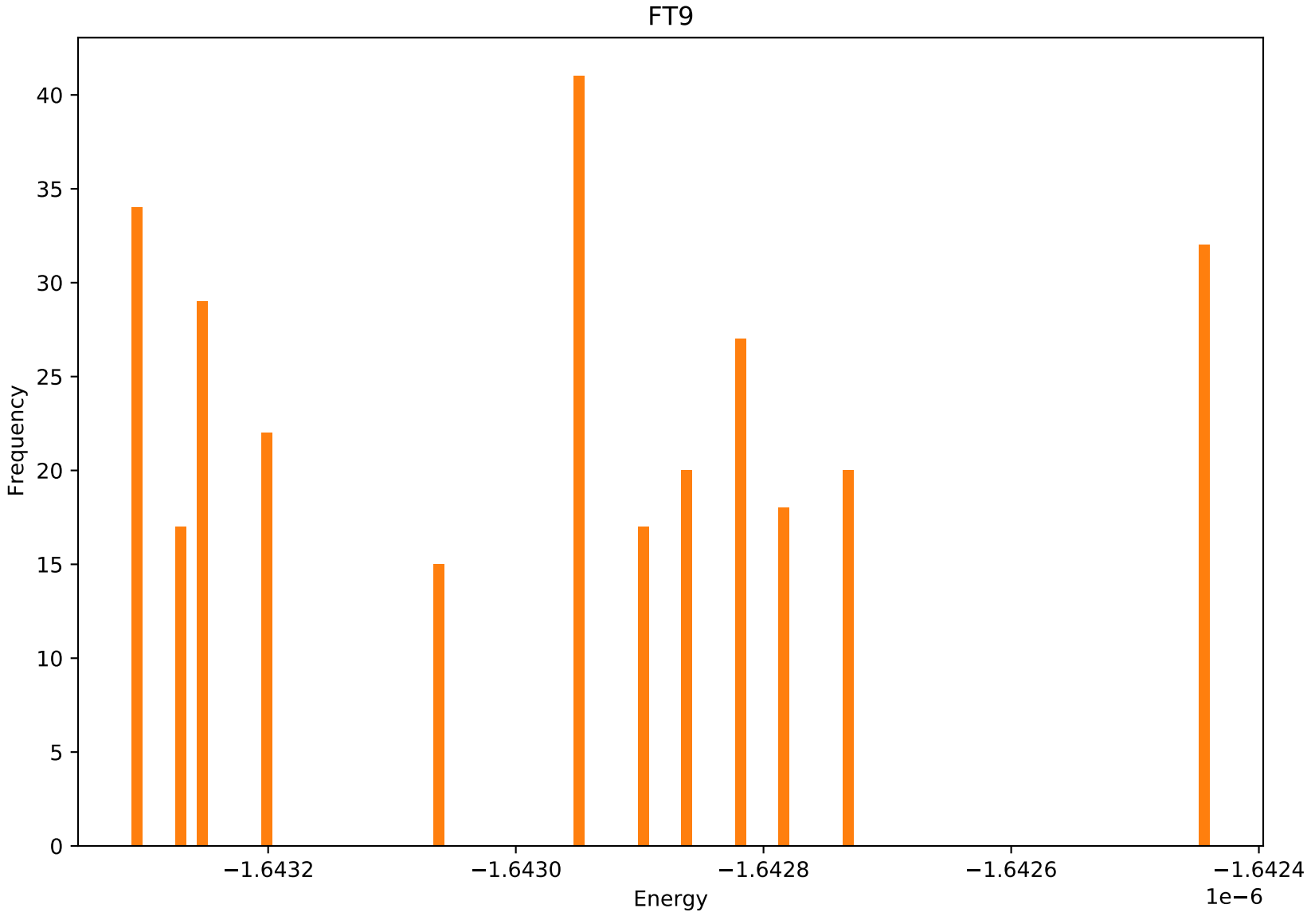

FT4
Frequency
300
250
200
150
100
50
0
−7.6
−7.4
−7.2
−7.0
−6.8
−6.6
−6.4
Energy

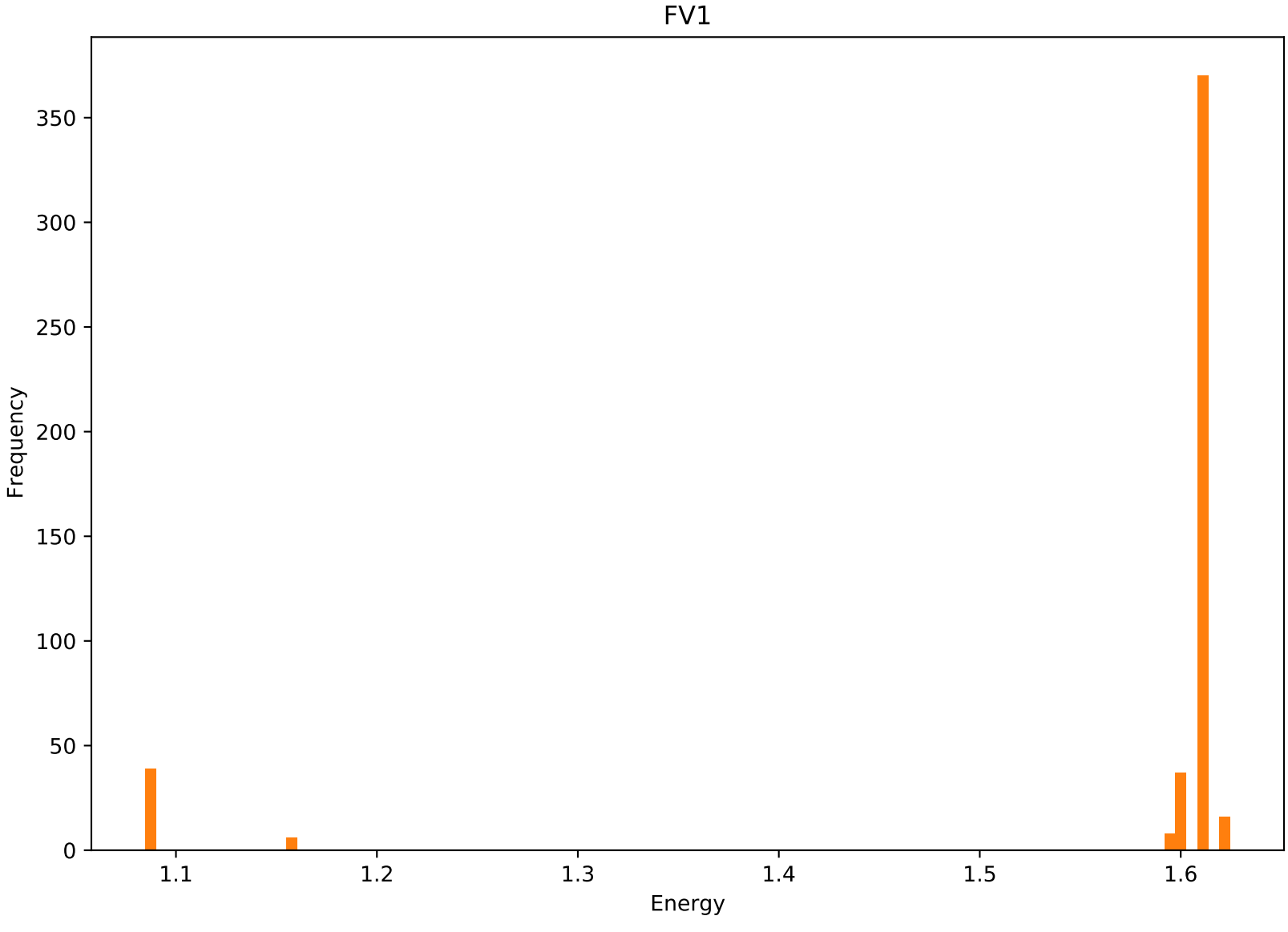

FT5
Frequency
Energy
300
250
200
150
100
50
0
−0.185
−0.180
−0.175
−0.170
−0.165
−0.160
−0.155
−0.150

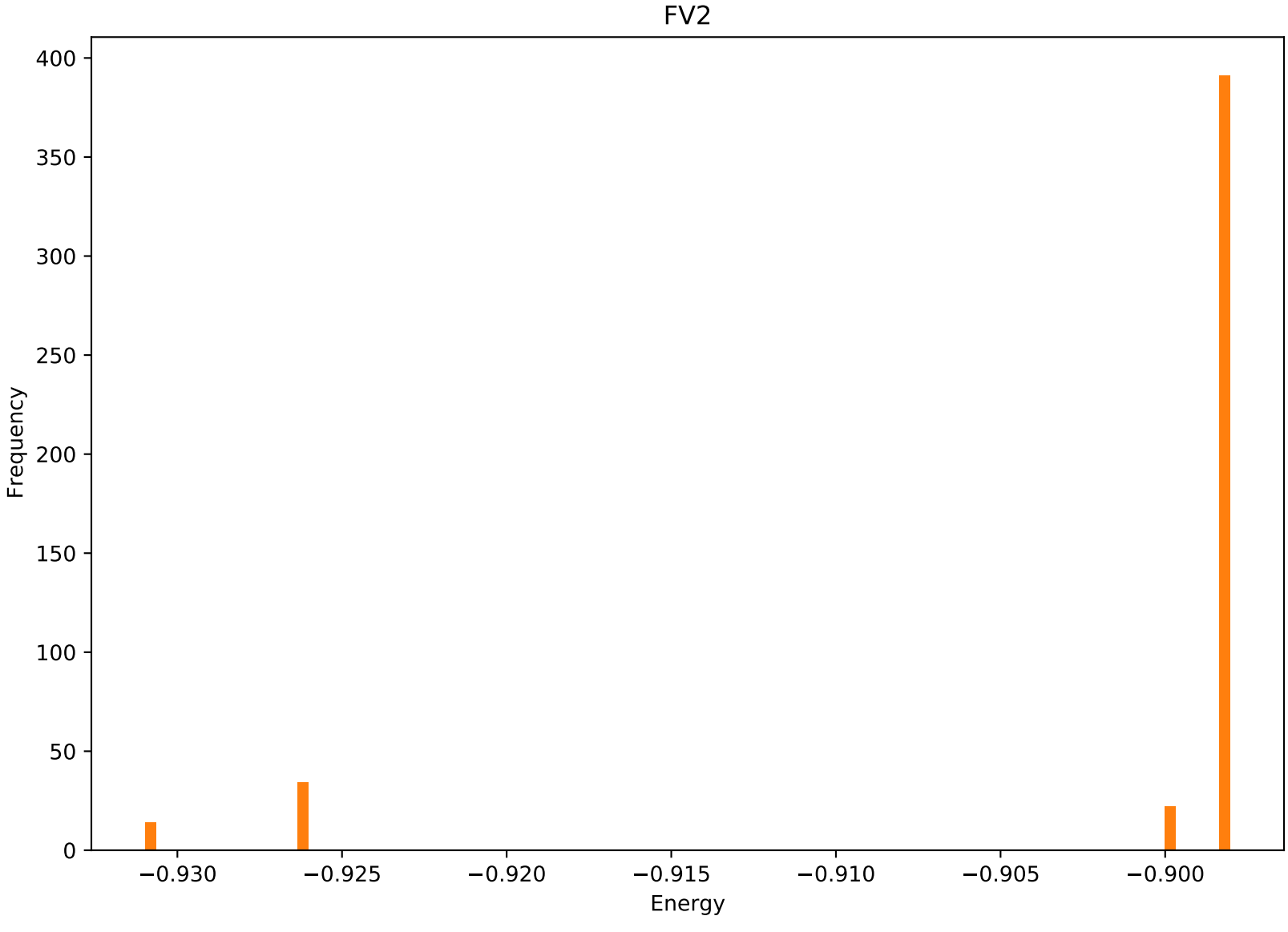

FT6
Frequency
250
200
150
100
50
0
−0.055
−0.054
−0.053
−0.052
−0.051
−0.050
−0.049
Energy

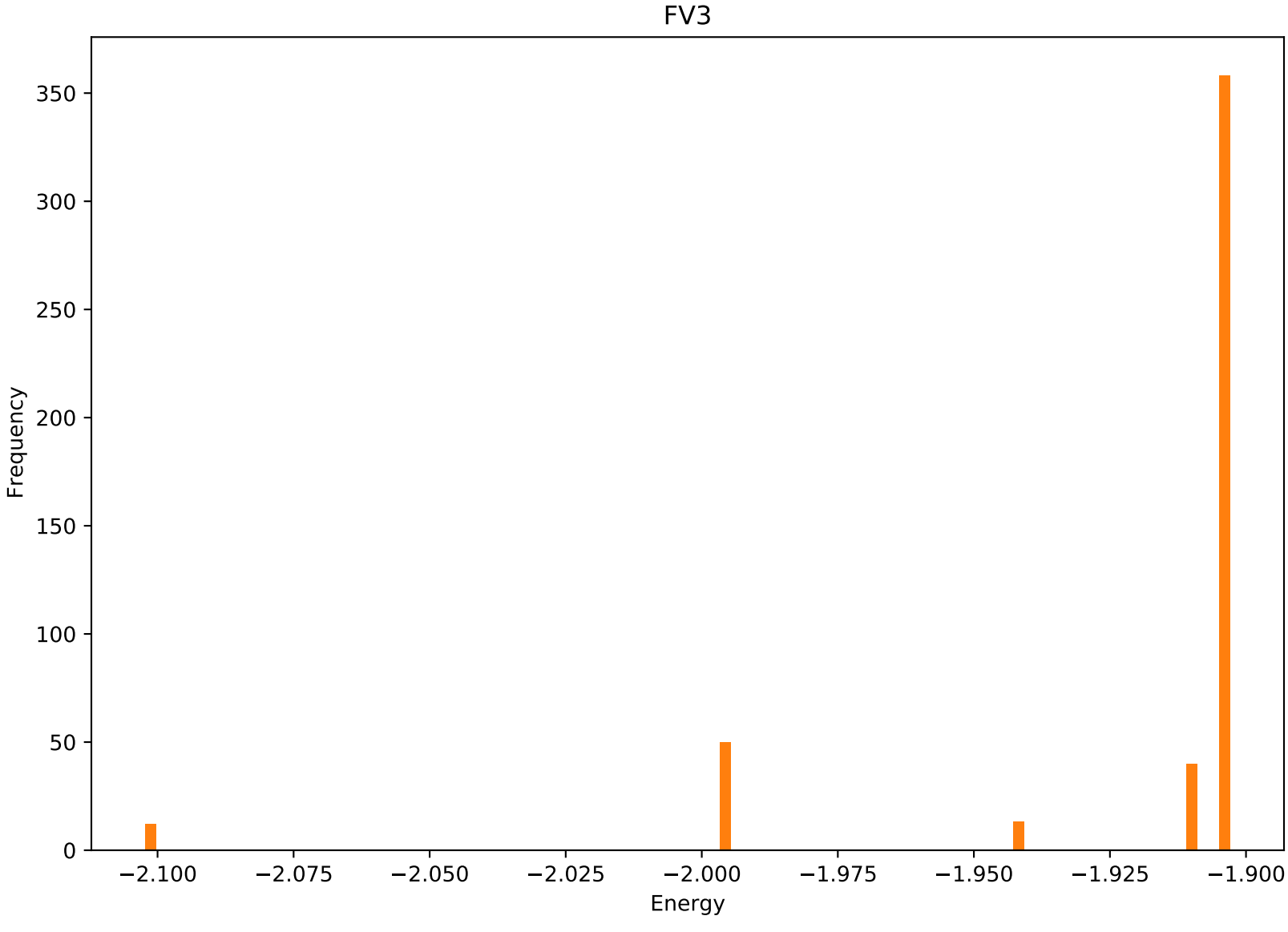

FT7
Frequency
250
200
150
100
50
0
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

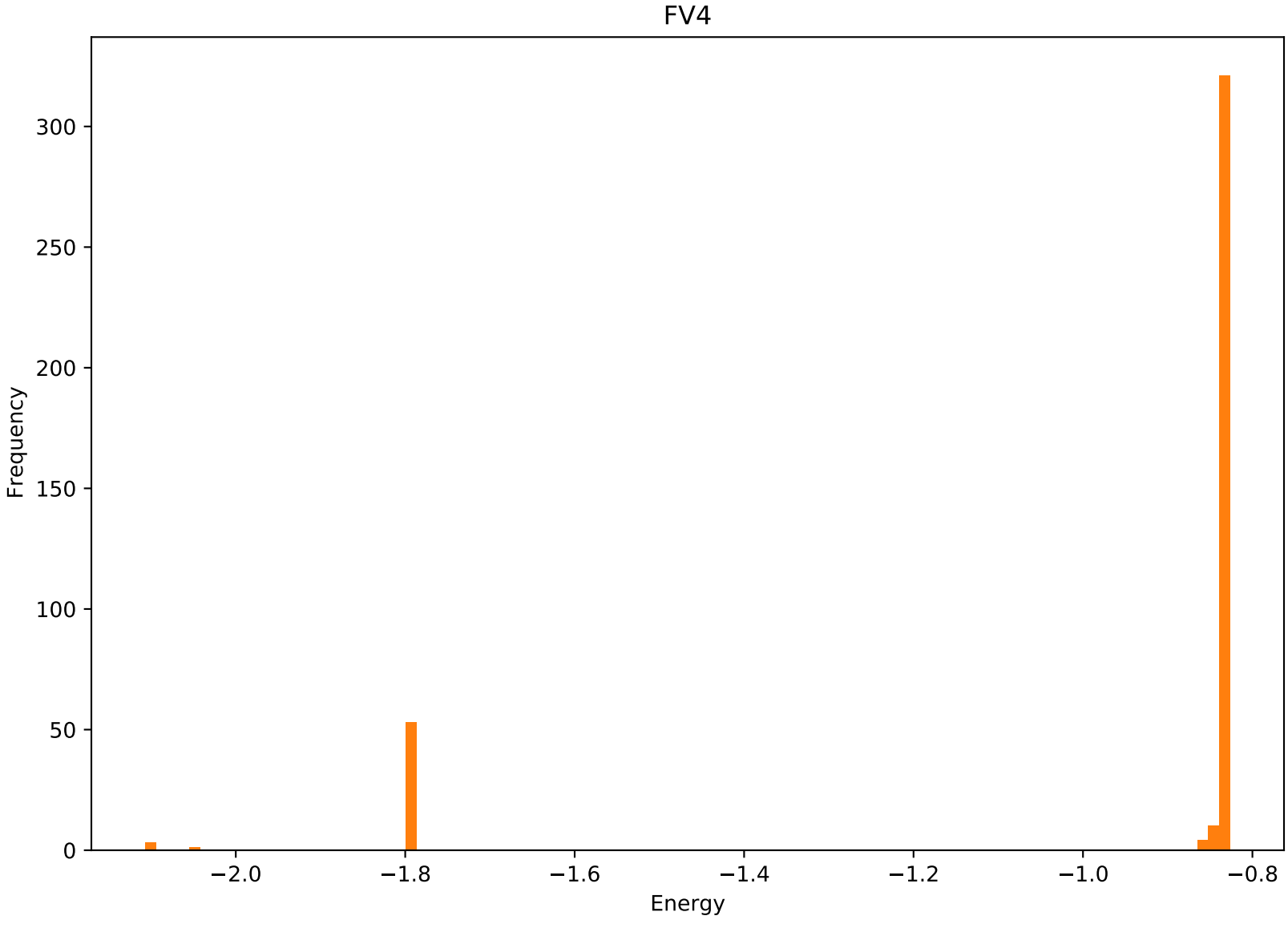

FT8
Frequency
250
200
150
100
50
0
−0.013
−0.012
−0.011
−0.010
−0.009
−0.008
Energy

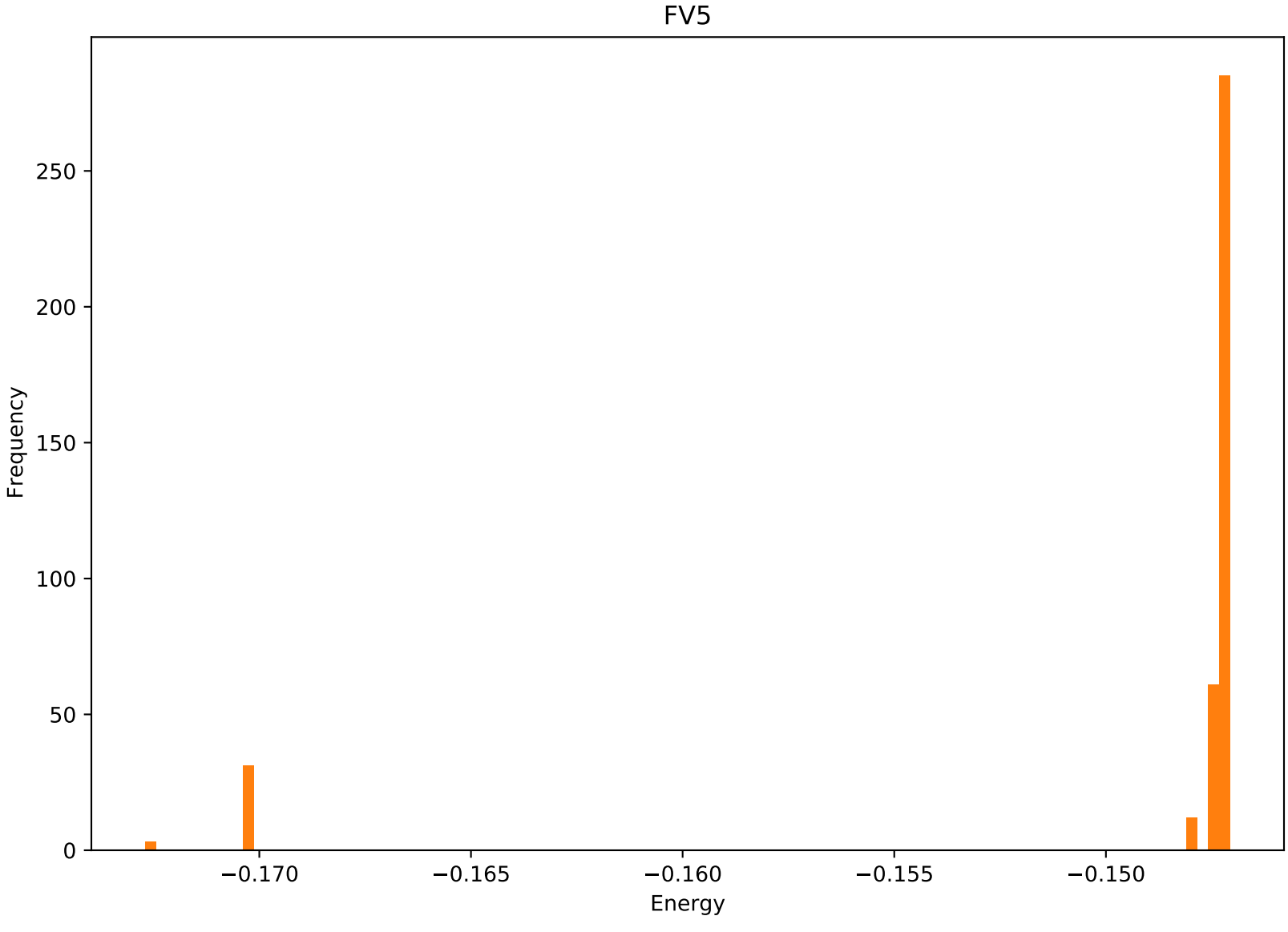

FT9
Frequency
0
5
10
15
20
25
30
35
40
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

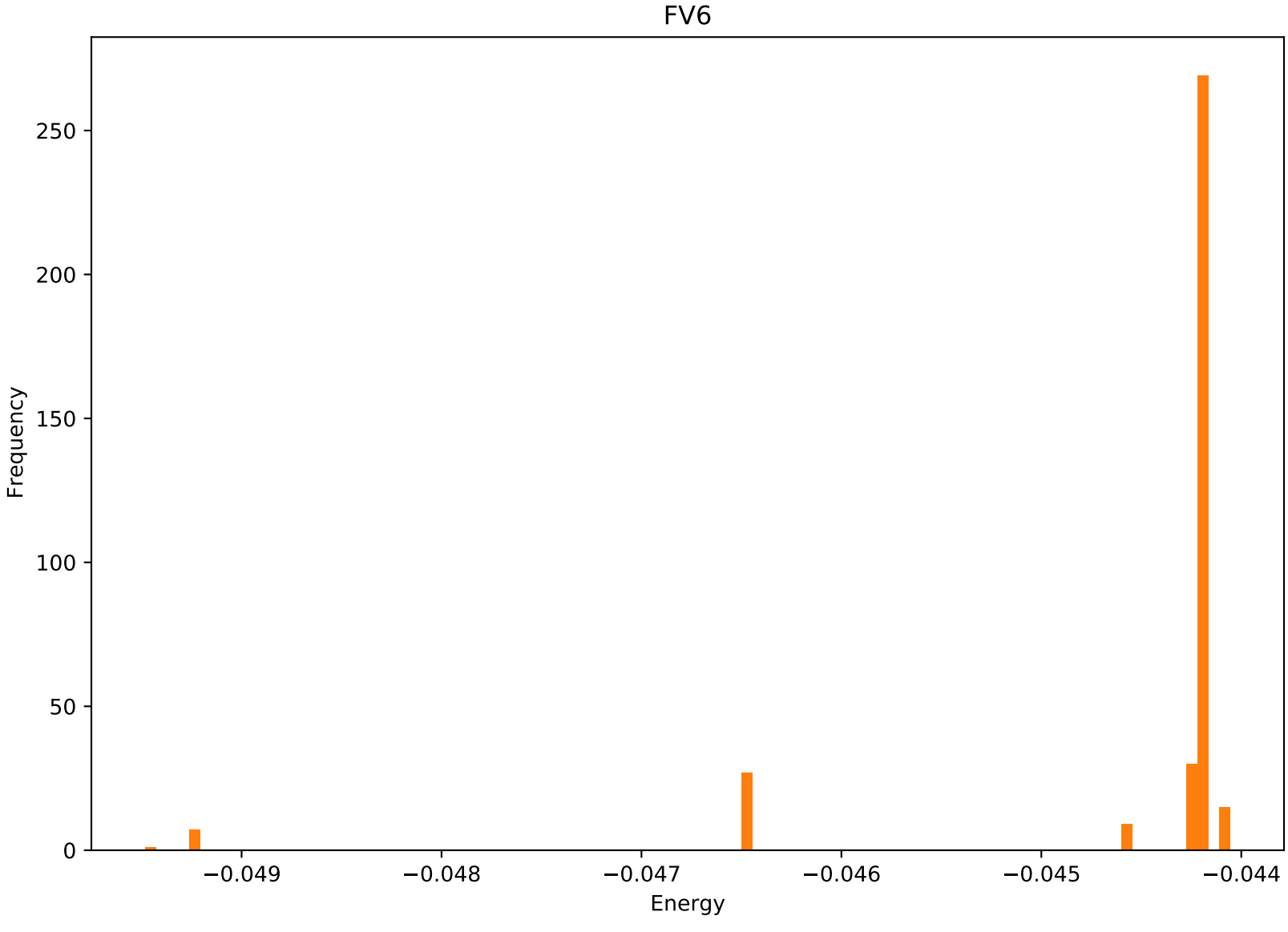

FV1
Frequency
Energy
0
50
100
150
200
250
300
350
1.1
1.2
1.3
1.4
1.5
1.6

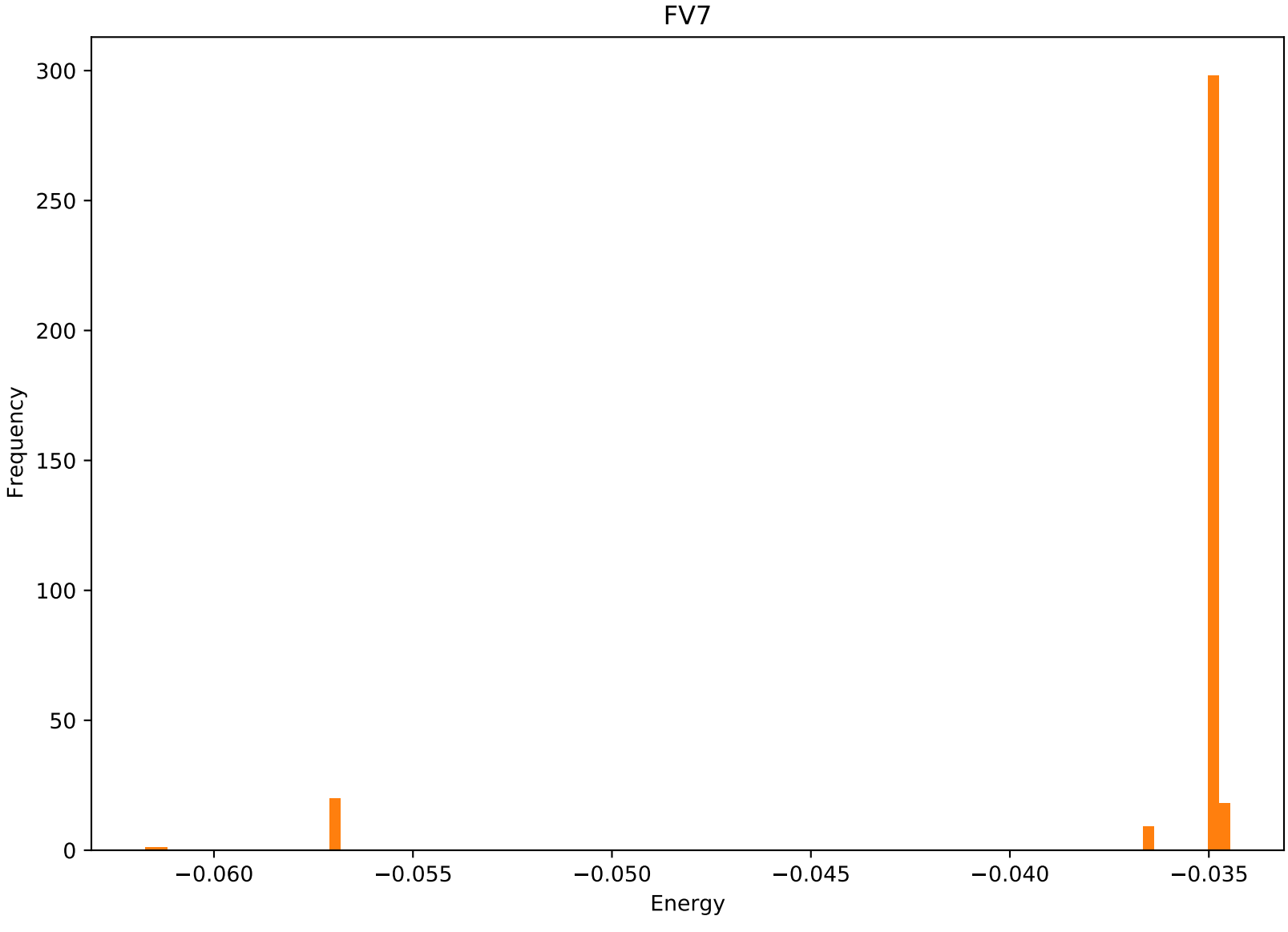

FV2
Frequency
Energy
400
350
300
250
200
150
100
50
0
−0.930
−0.925
−0.920
−0.915
−0.910
−0.905
−0.900

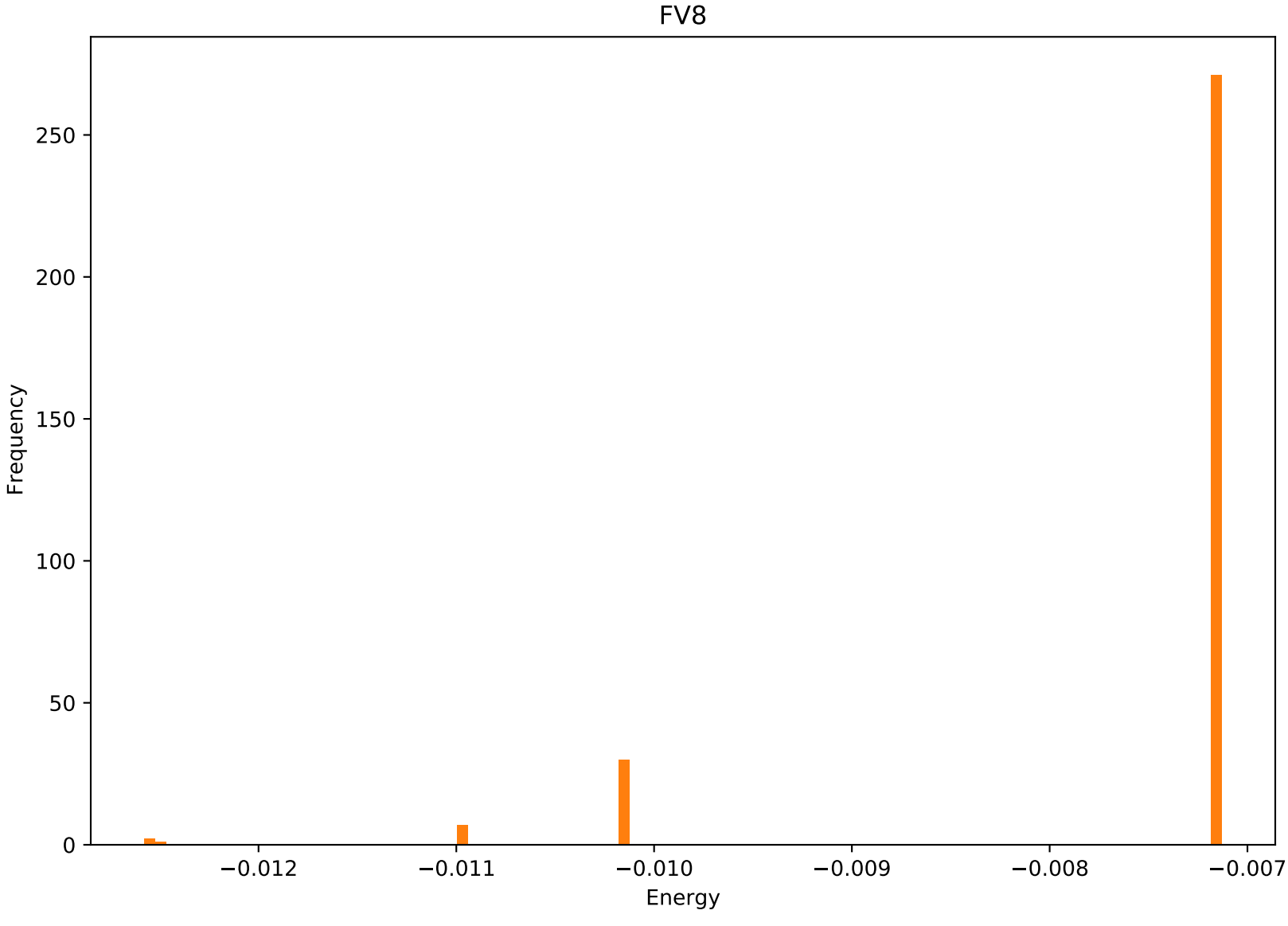

FV3
Frequency
Energy
0
50
100
150
200
250
300
350
−2.100
−2.075
−2.050
−2.025
−2.000
−1.975
−1.950
−1.925
−1.900

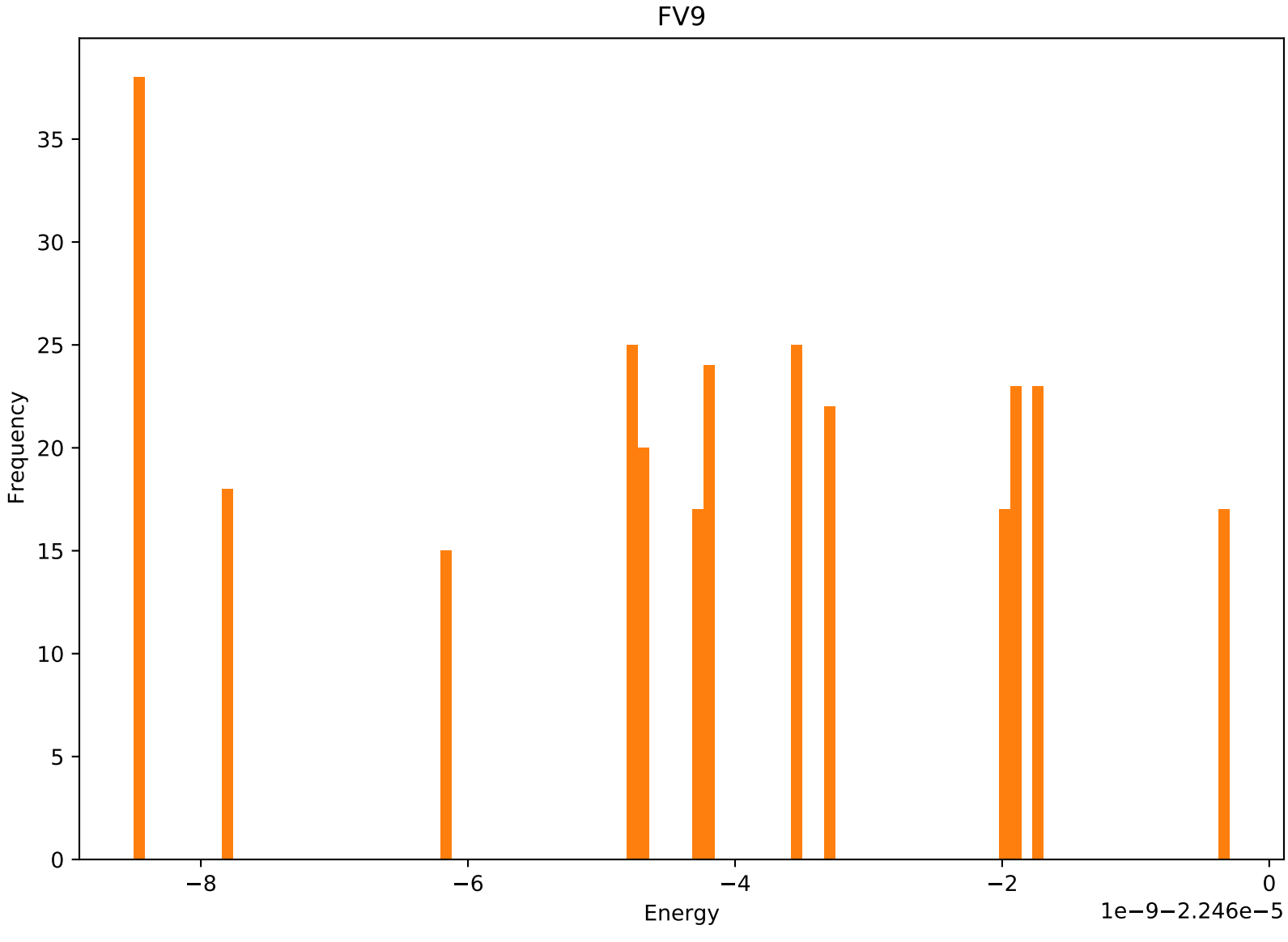

FV4
Frequency
300
250
200
150
100
50
0
−2.0
−1.8
−1.6
−1.4
−1.2
−1.0
−0.8
Energy

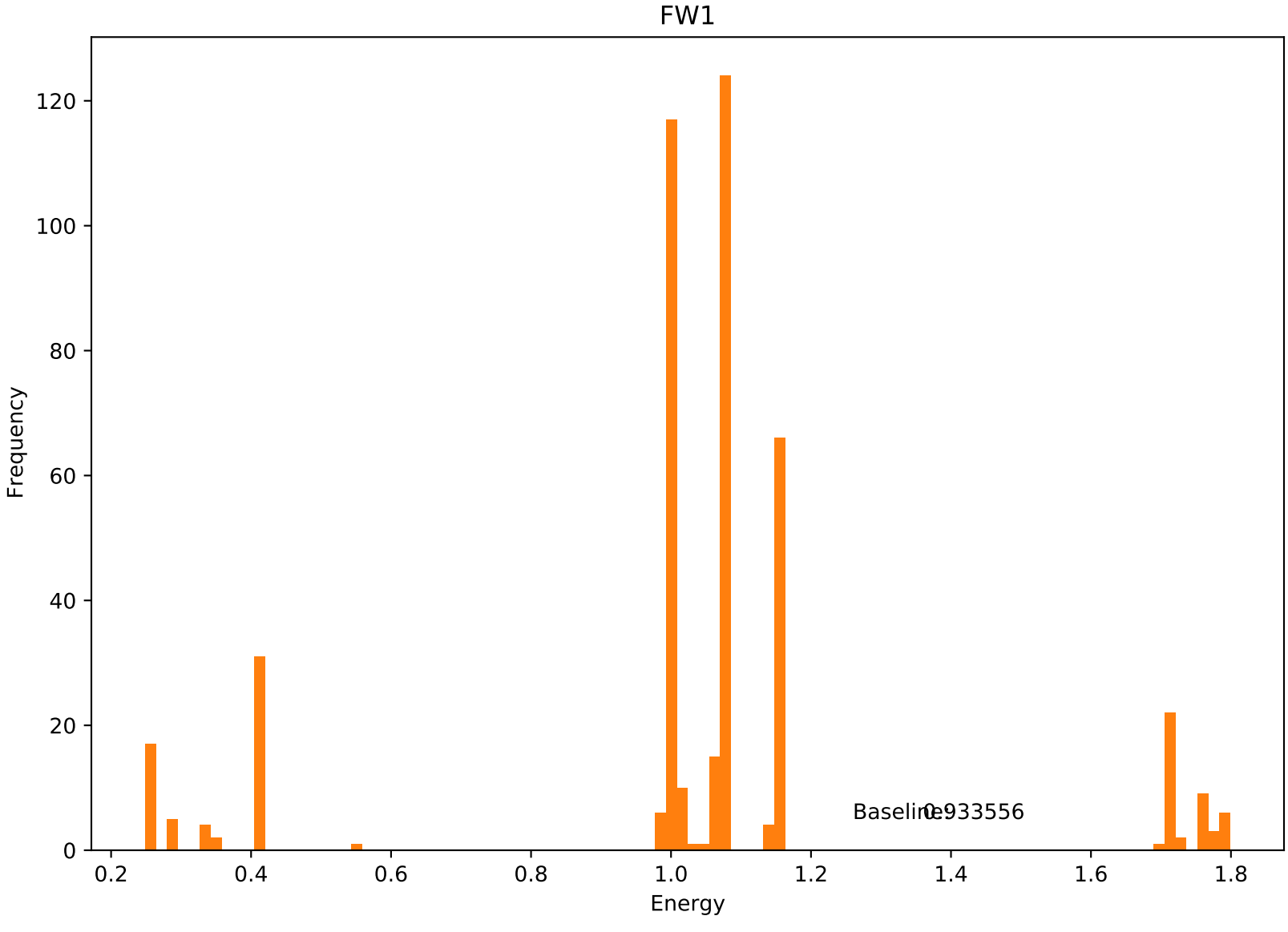

FV5
Frequency
250
200
150
100
50
0
−0.170
−0.165
−0.160
−0.155
−0.150
Energy

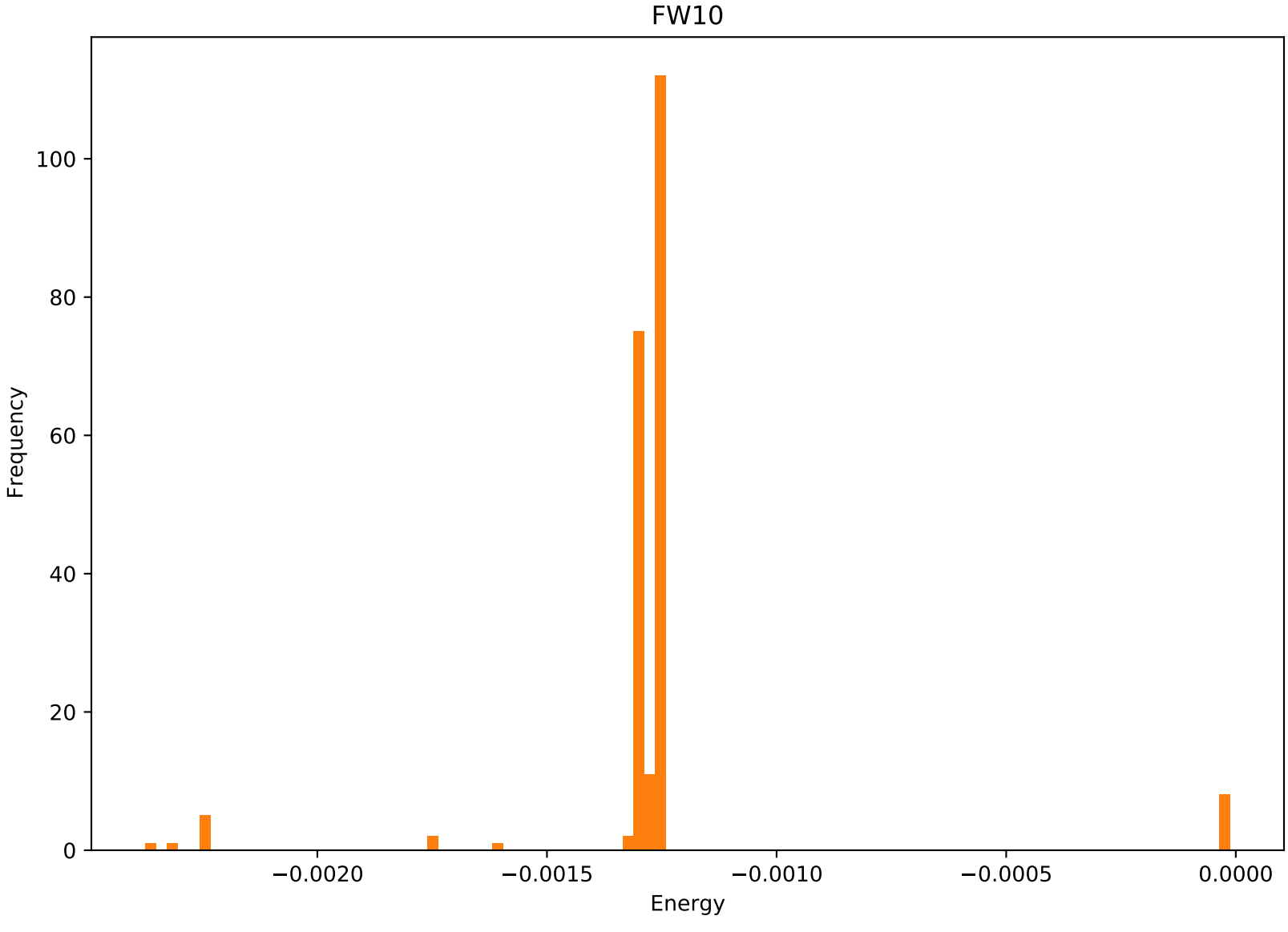

FV6
250
200
150
100
50
0
Frequency
−0.049
−0.048
−0.047
−0.046
−0.045
−0.044
Energy

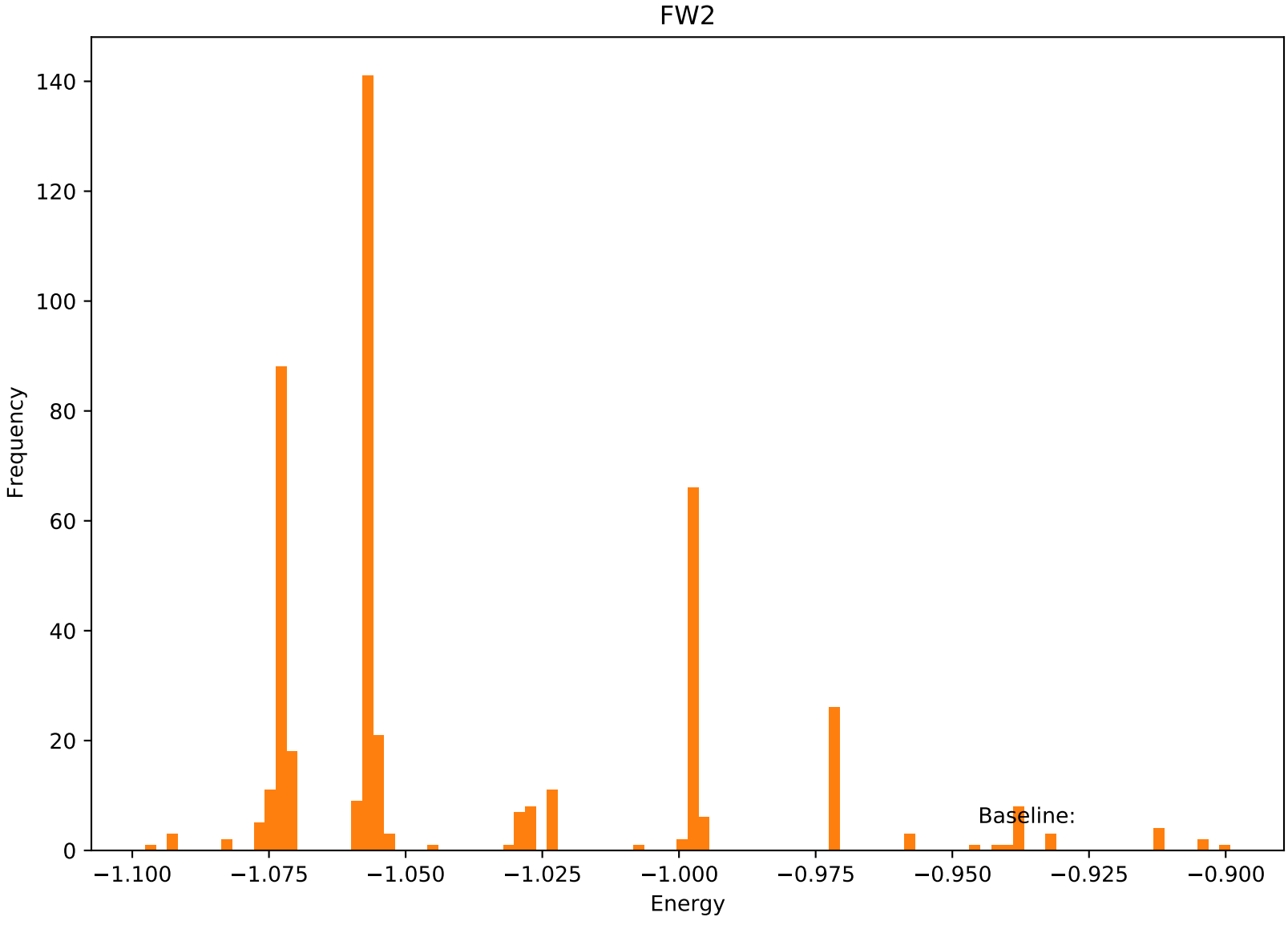

FV7
Frequency
Energy
300
250
200
150
100
50
0
−0.060
−0.055
−0.050
−0.045
−0.040
−0.035

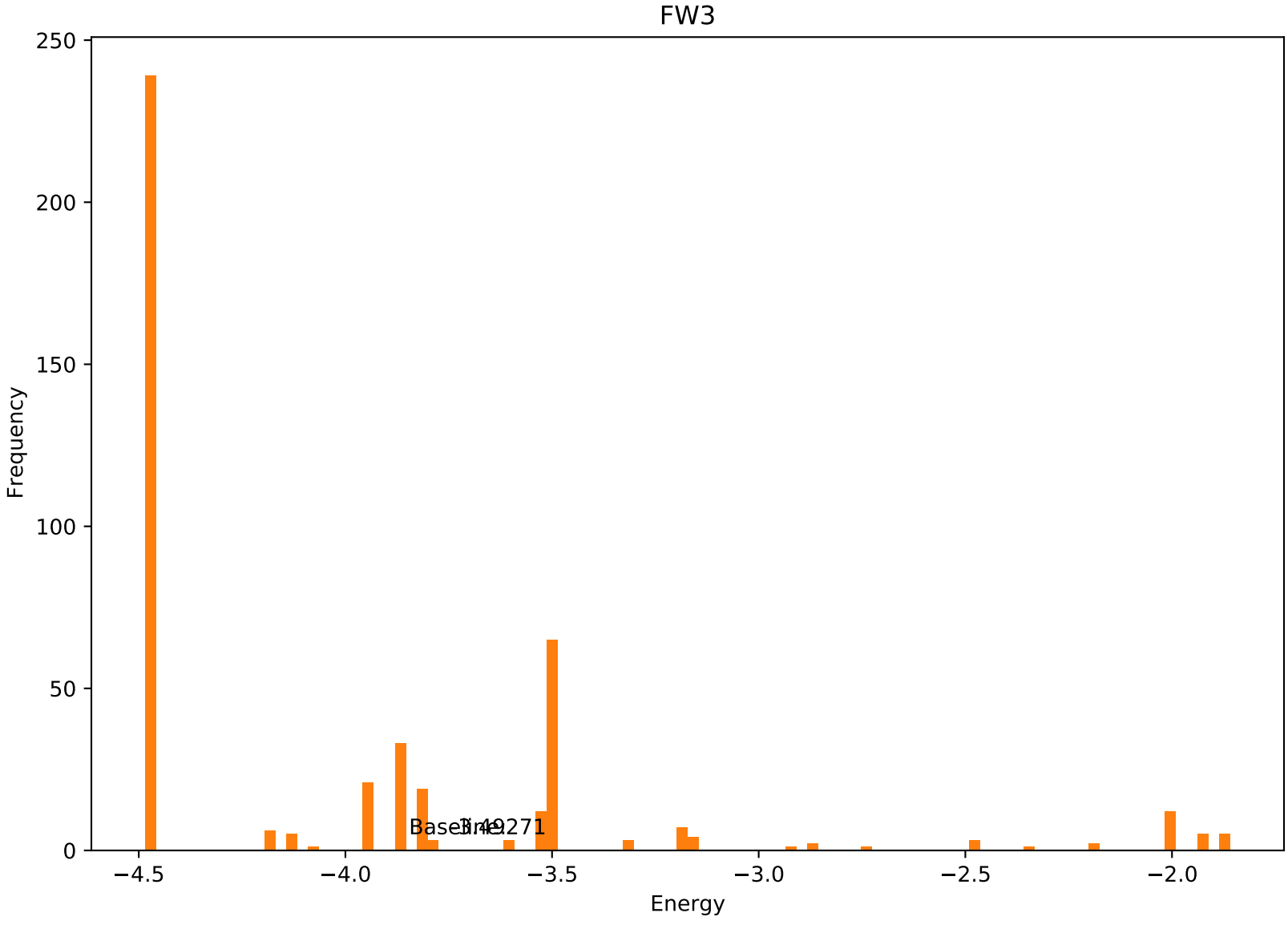

FV8
Frequency
250
200
150
100
50
0
−0.012
−0.011
−0.010
−0.009
−0.008
−0.007
Energy

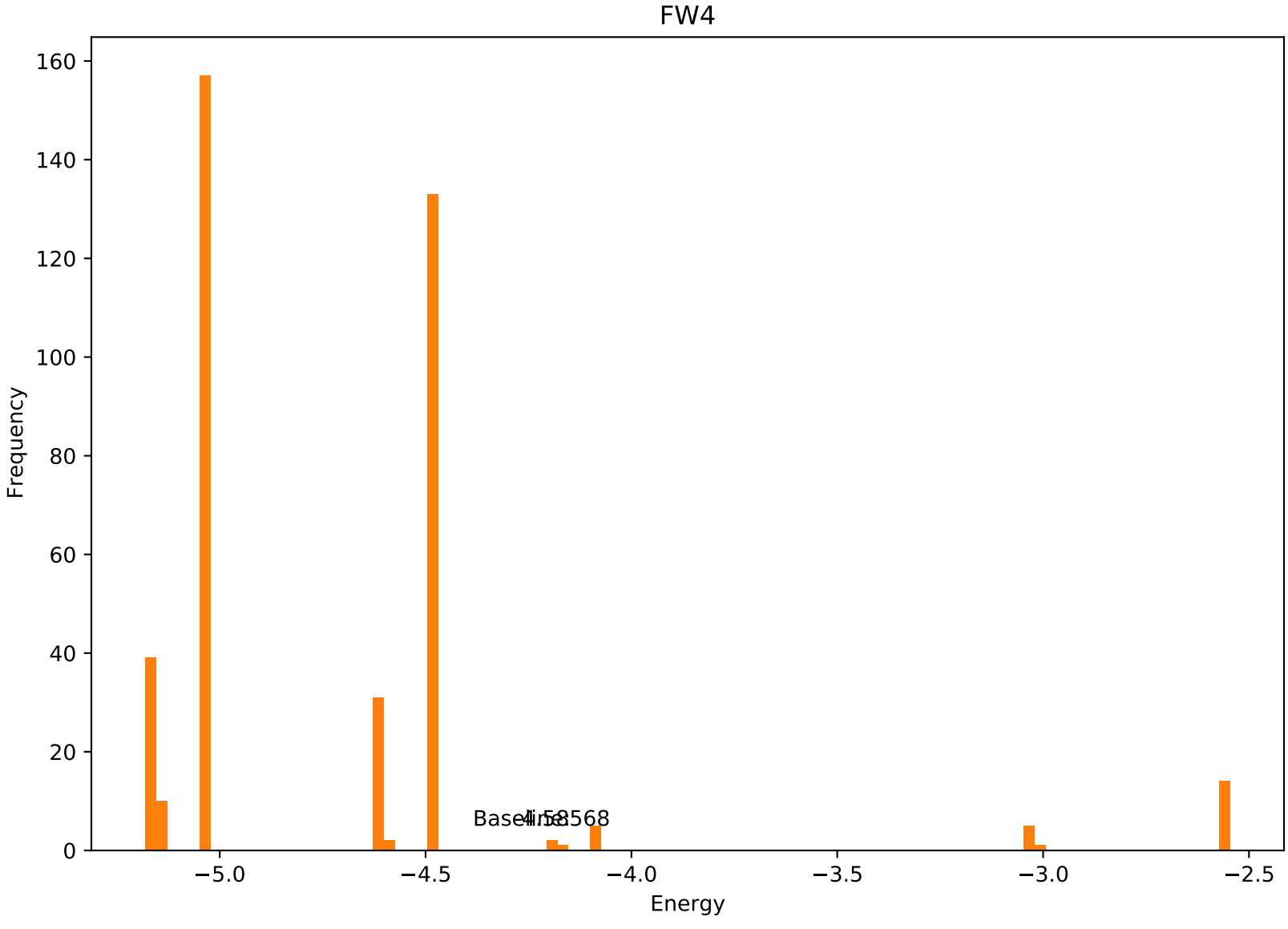

FV9
Frequency
0
5
10
15
20
25
30
35
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

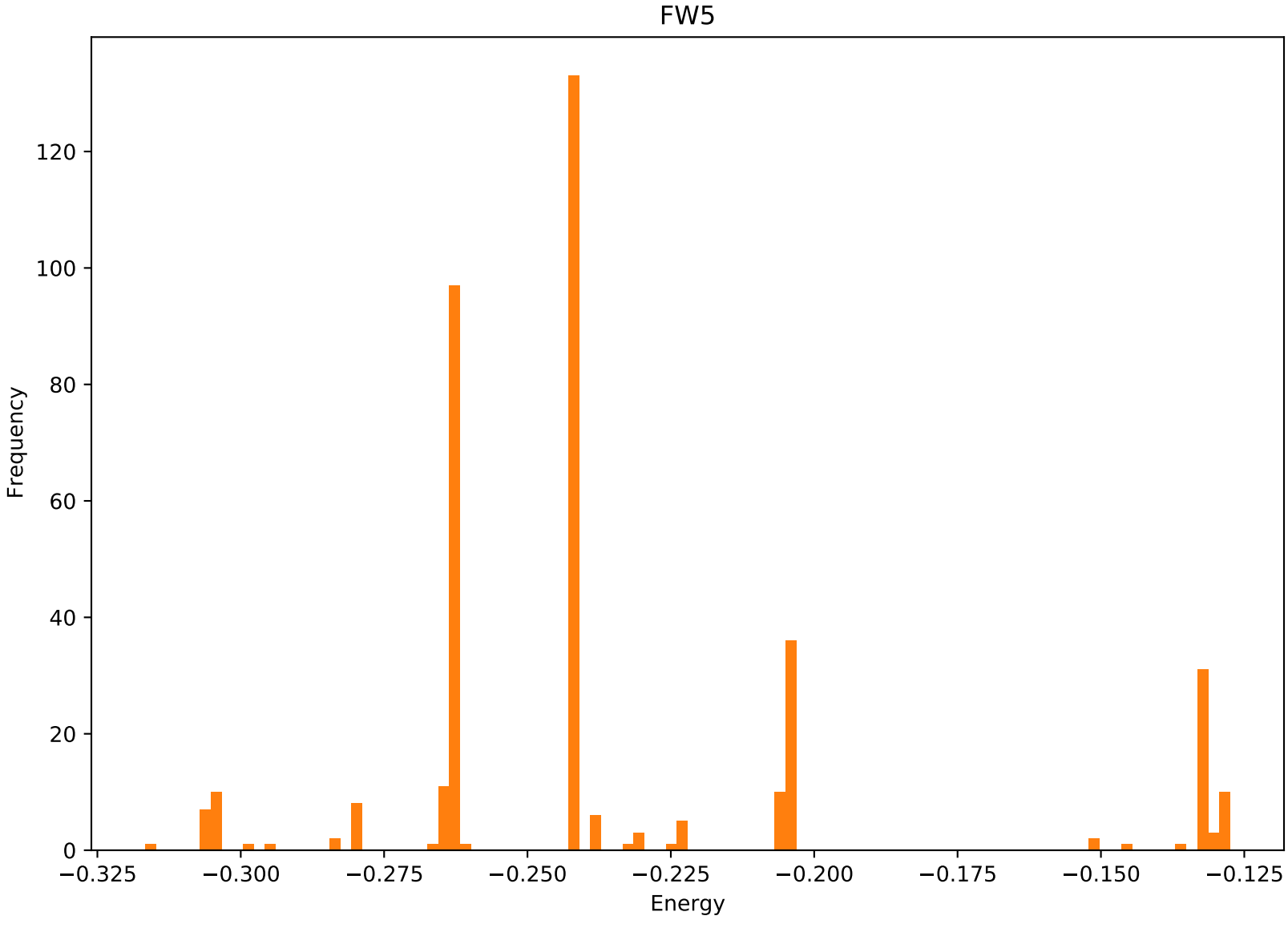

FW1
Frequency
Energy
Baseline:0.933556
0
20
40
60
80
100
120
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8

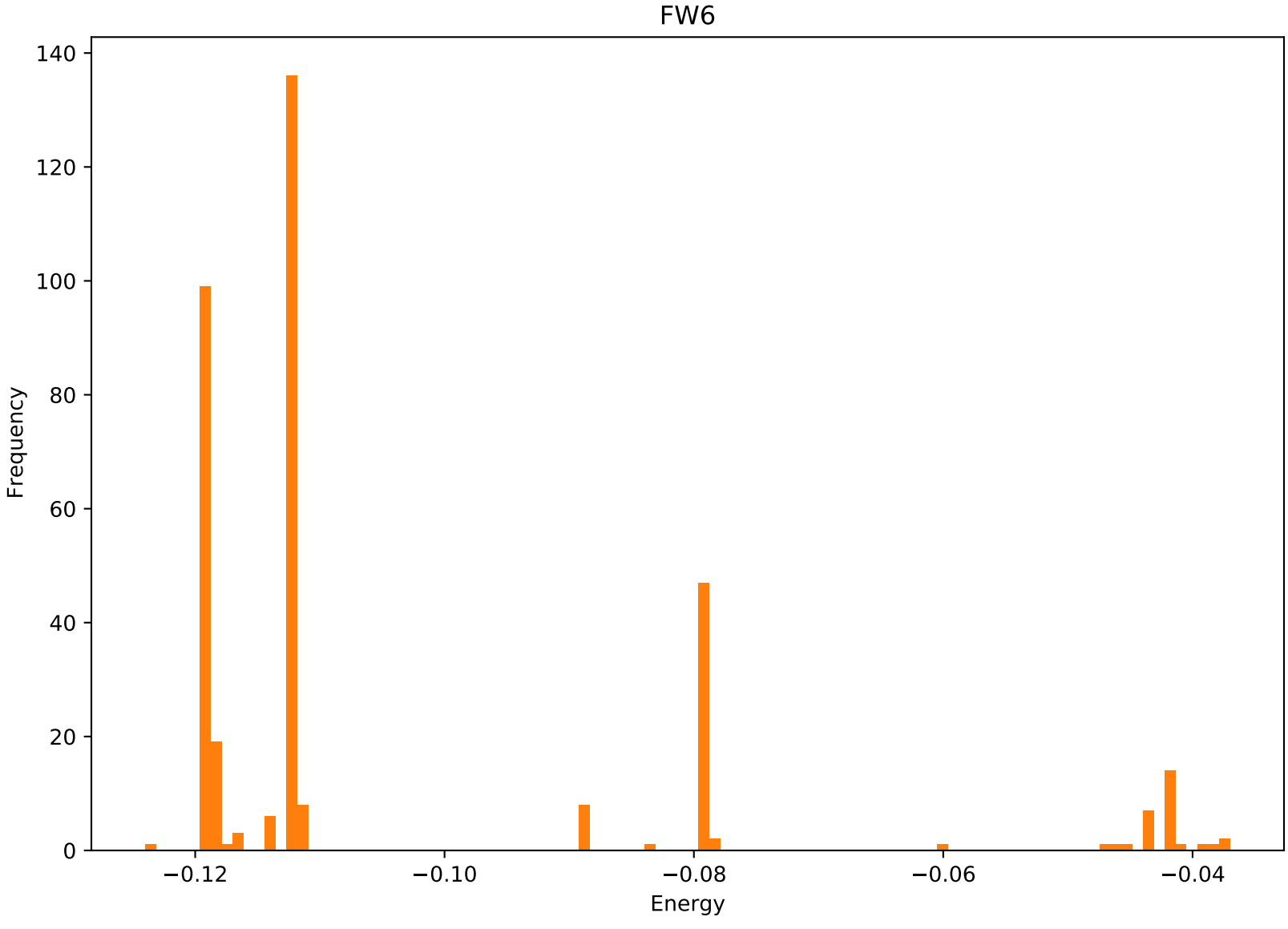

FW10
Frequency
Energy
0
20
40
60
80
100
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

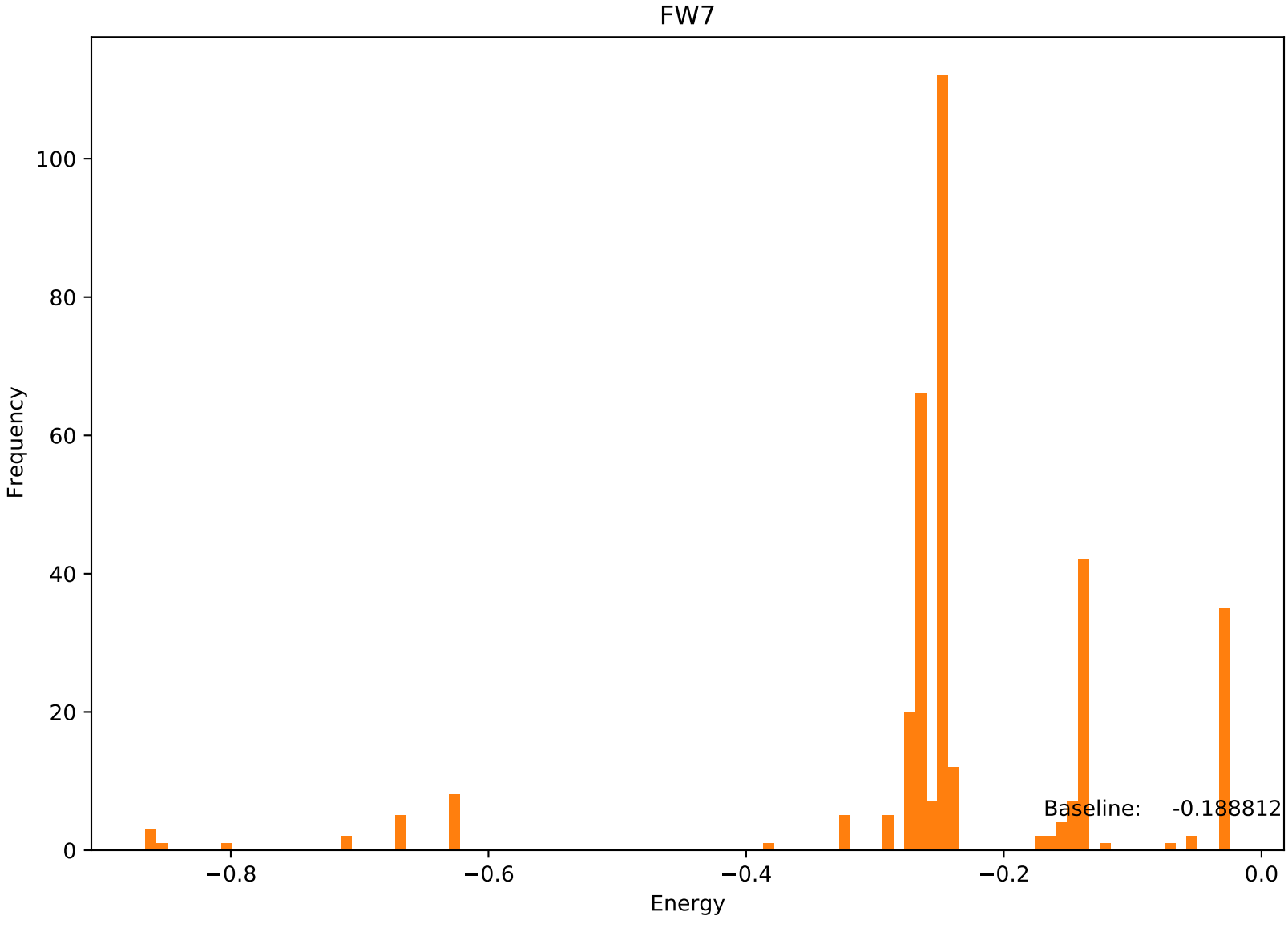

FW2
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
−1.100
−1.075
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900

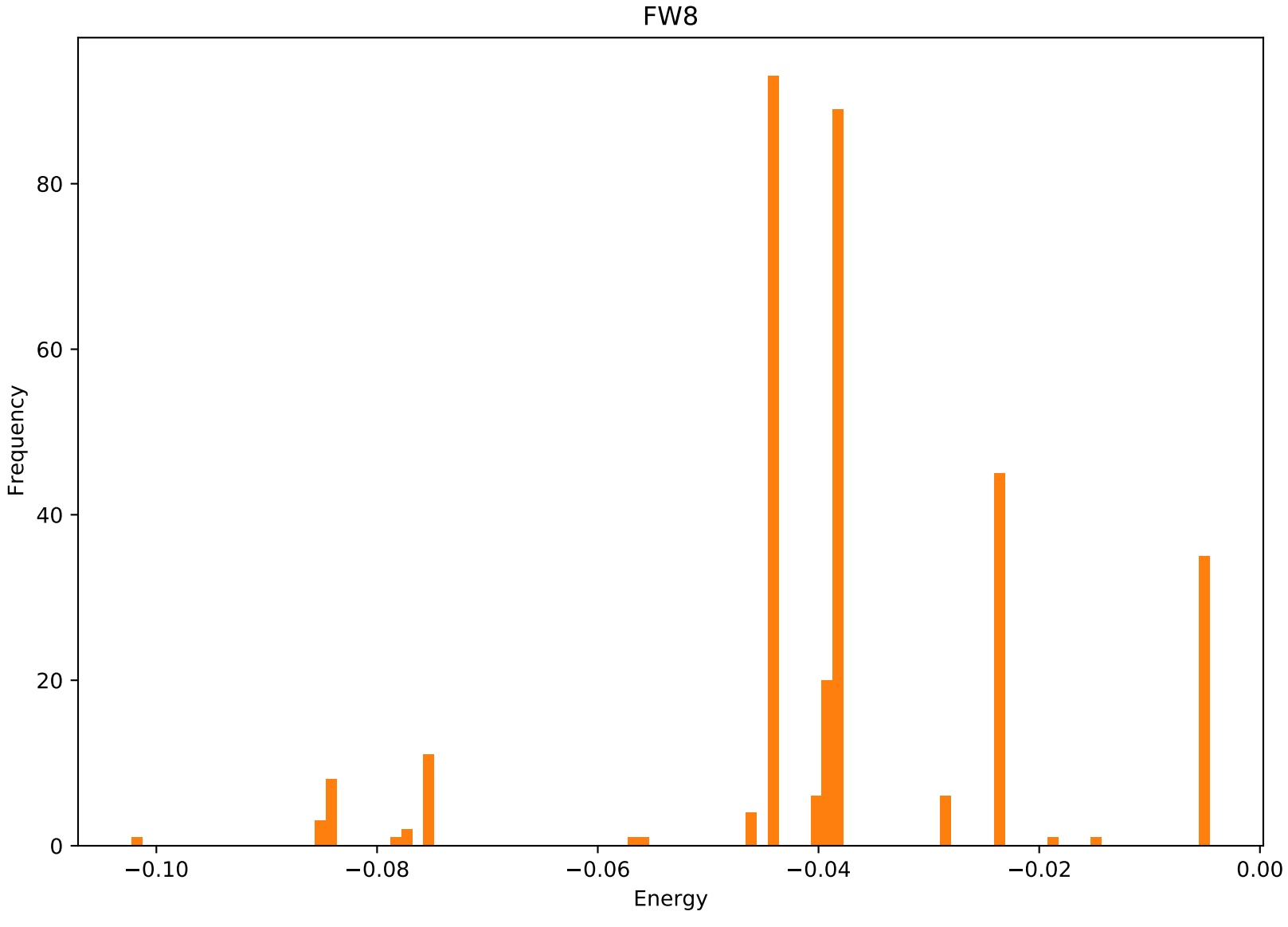

FW3
250
200
150
100
50
0
Frequency
−4.5
−4.0
−3.5
−3.0
−2.5
−2.0
Energy

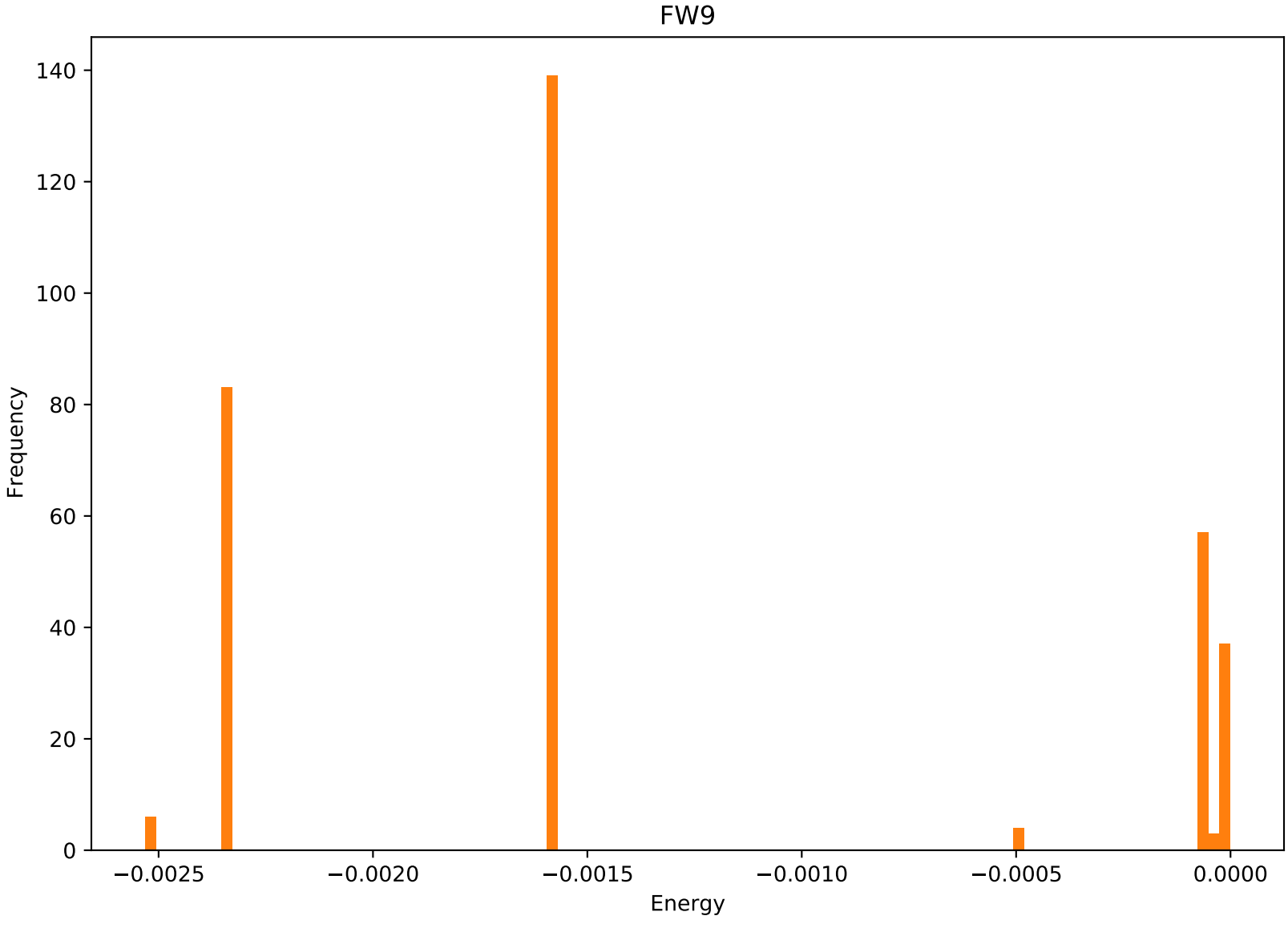

FW4
Frequency
Energy
0
20
40
60
80
100
120
140
160
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5

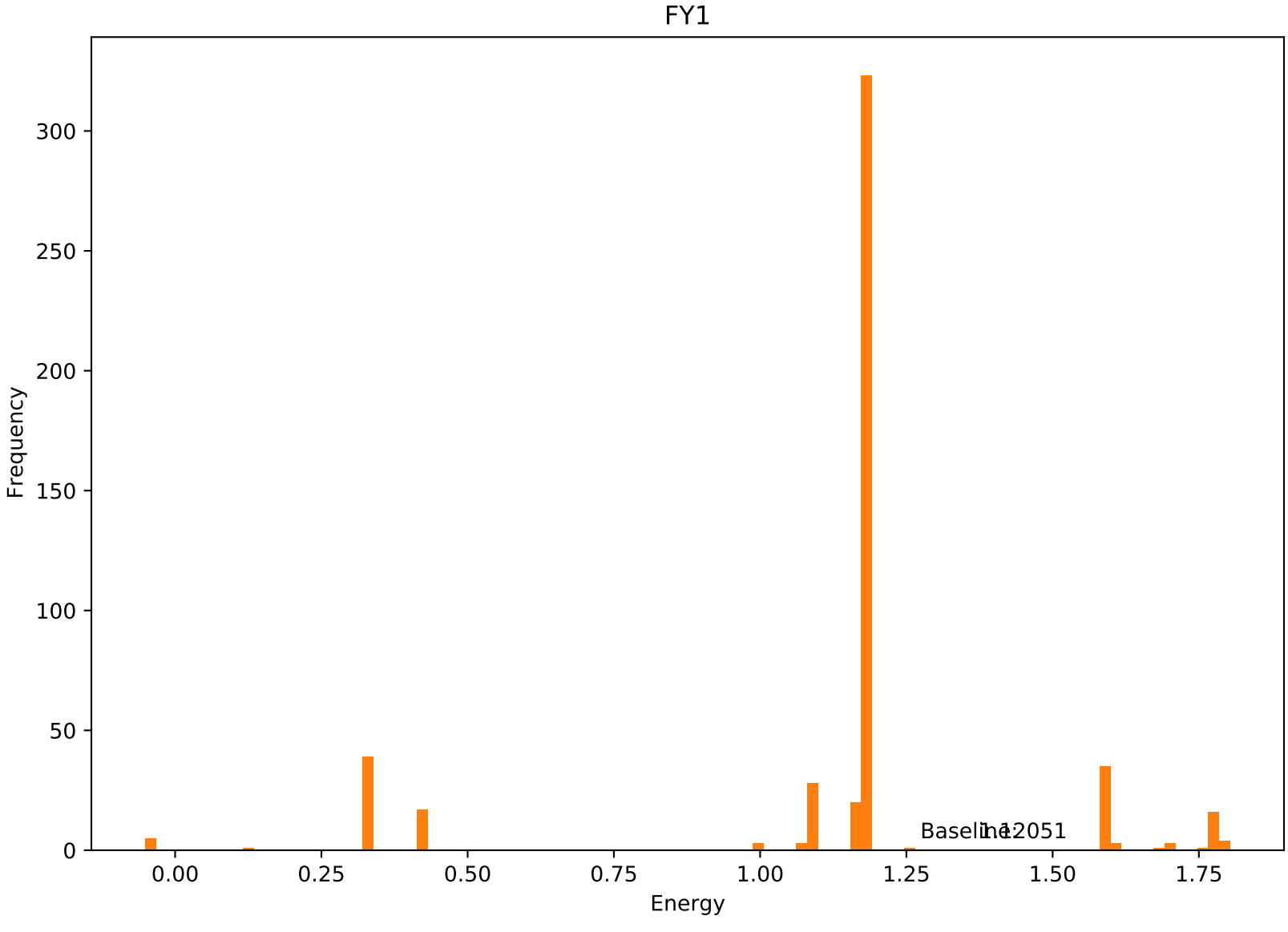

FW5
Frequency
Energy
0
20
40
60
80
100
120
−0.325
−0.300
−0.275
−0.250
−0.225
−0.200
−0.175
−0.150
−0.125

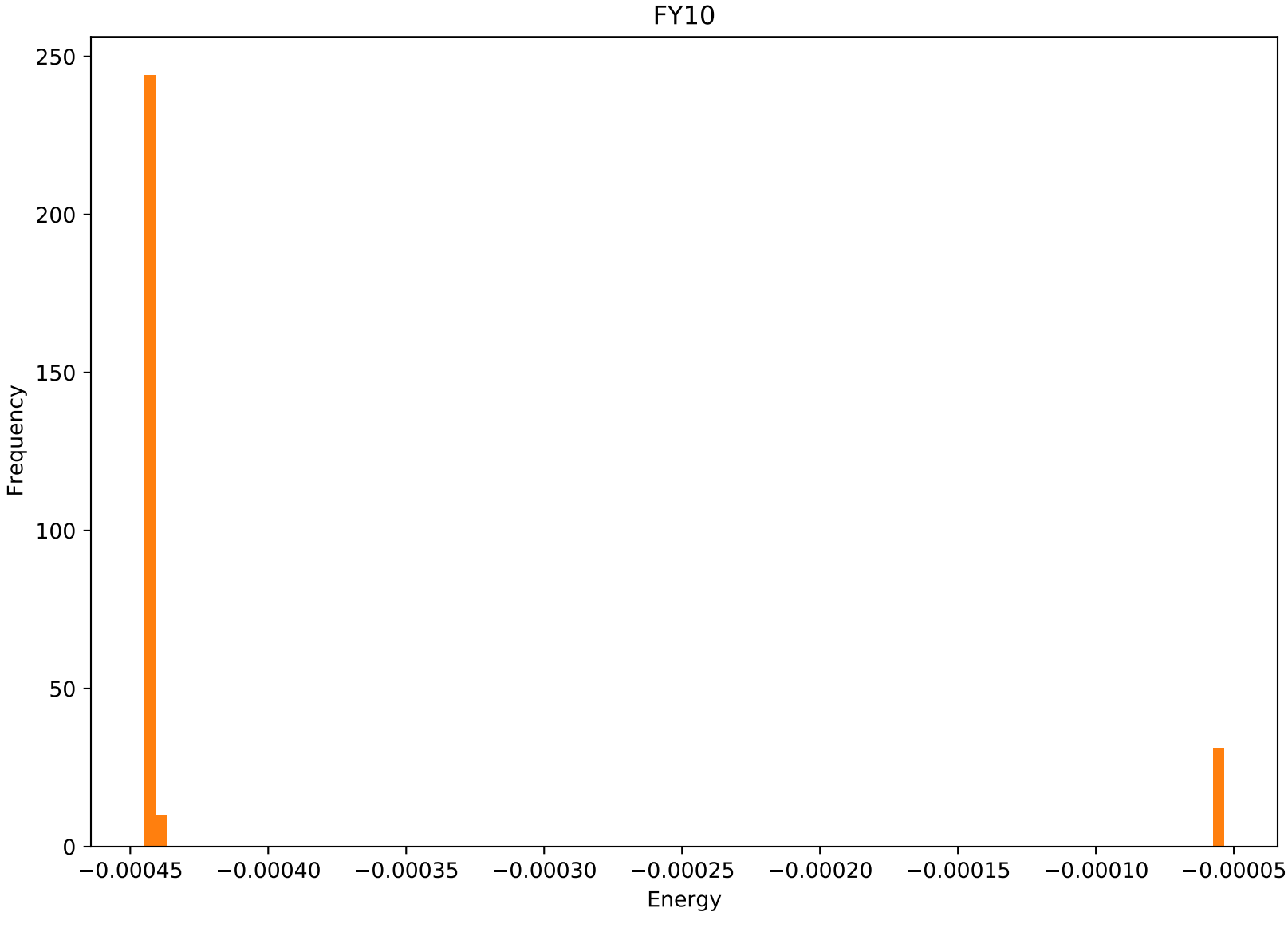

FW6
140
120
100
80
60
40
20
0
Frequency
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

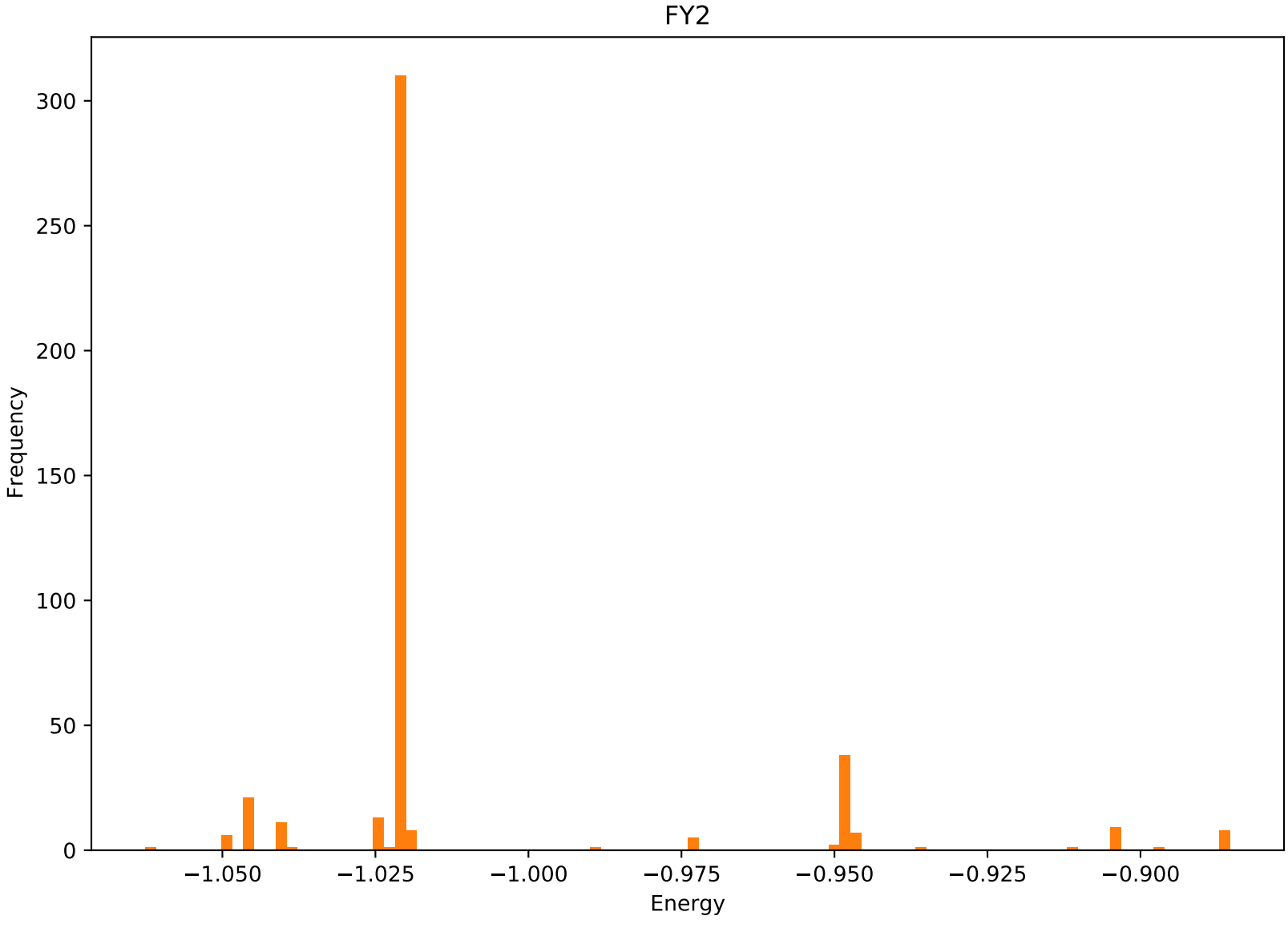

FW7
Frequency
Energy
Baseline: -0.188812
0
20
40
60
80
100
−0.8
−0.6
−0.4
−0.2
0.0

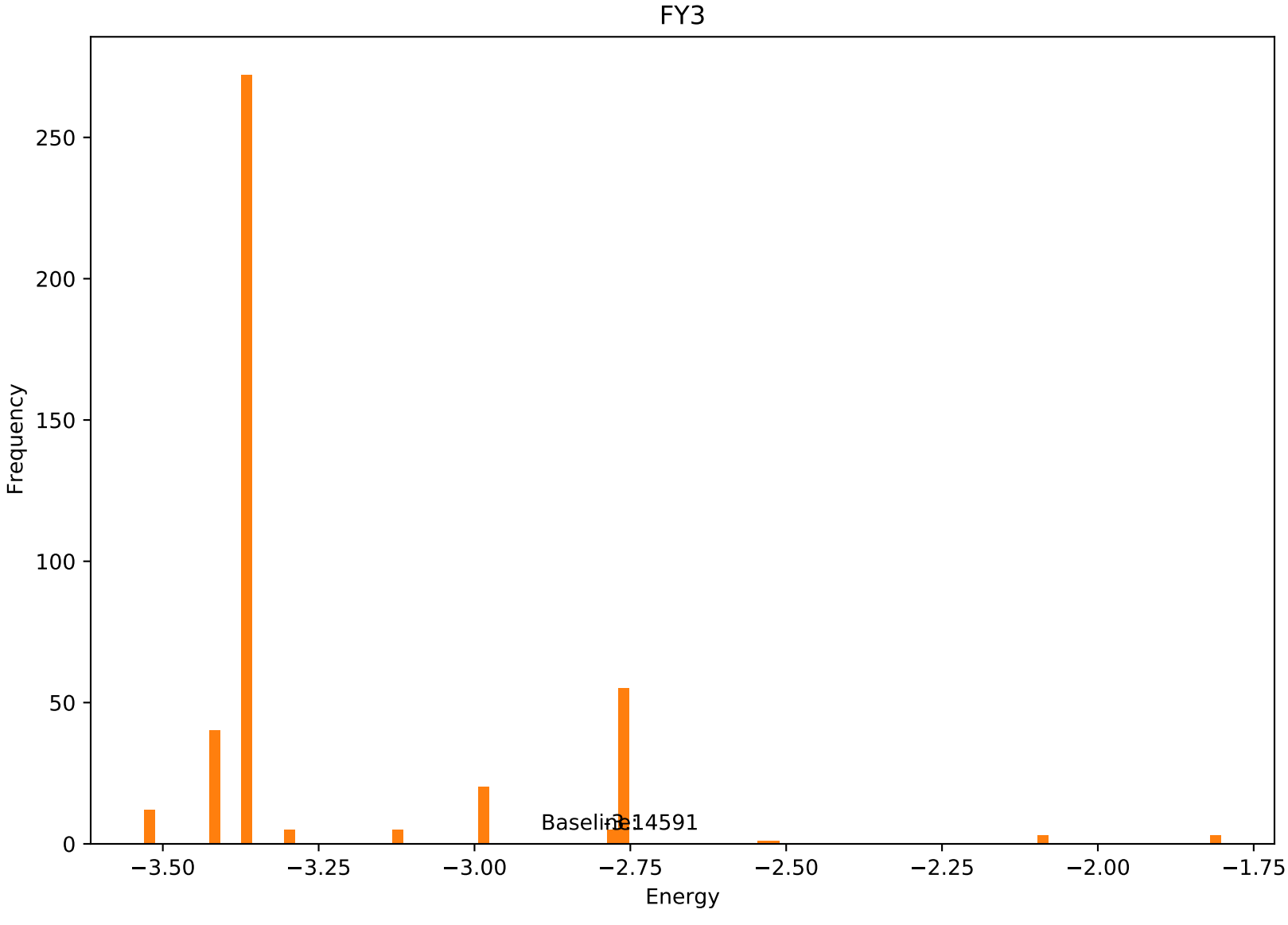

FW8
Frequency
0
20
40
60
80
−0.10
−0.08
−0.06
−0.04
−0.02
0.00
Energy

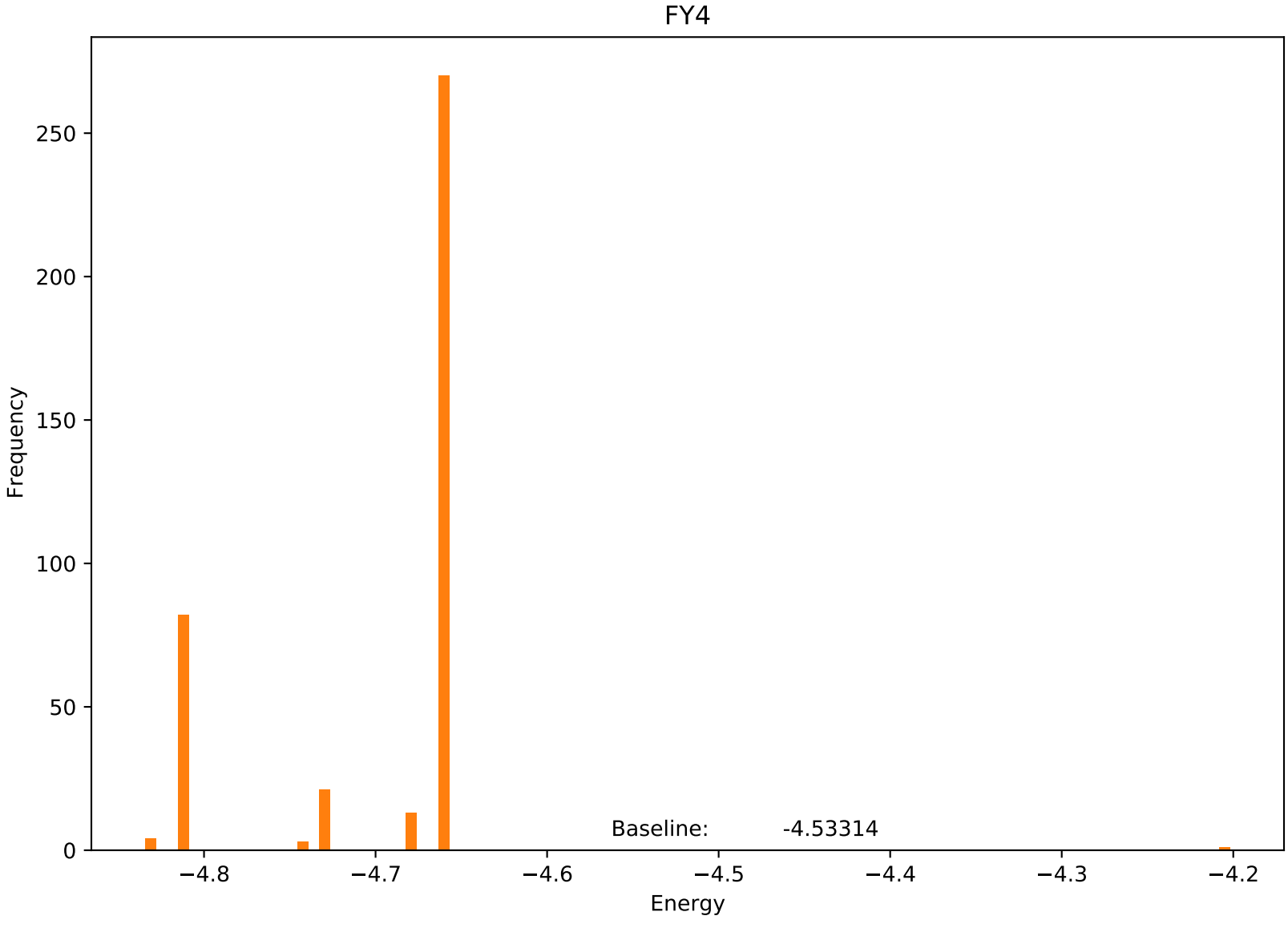

FW9
Frequency
Energy
0
20
40
60
80
100
120
140
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

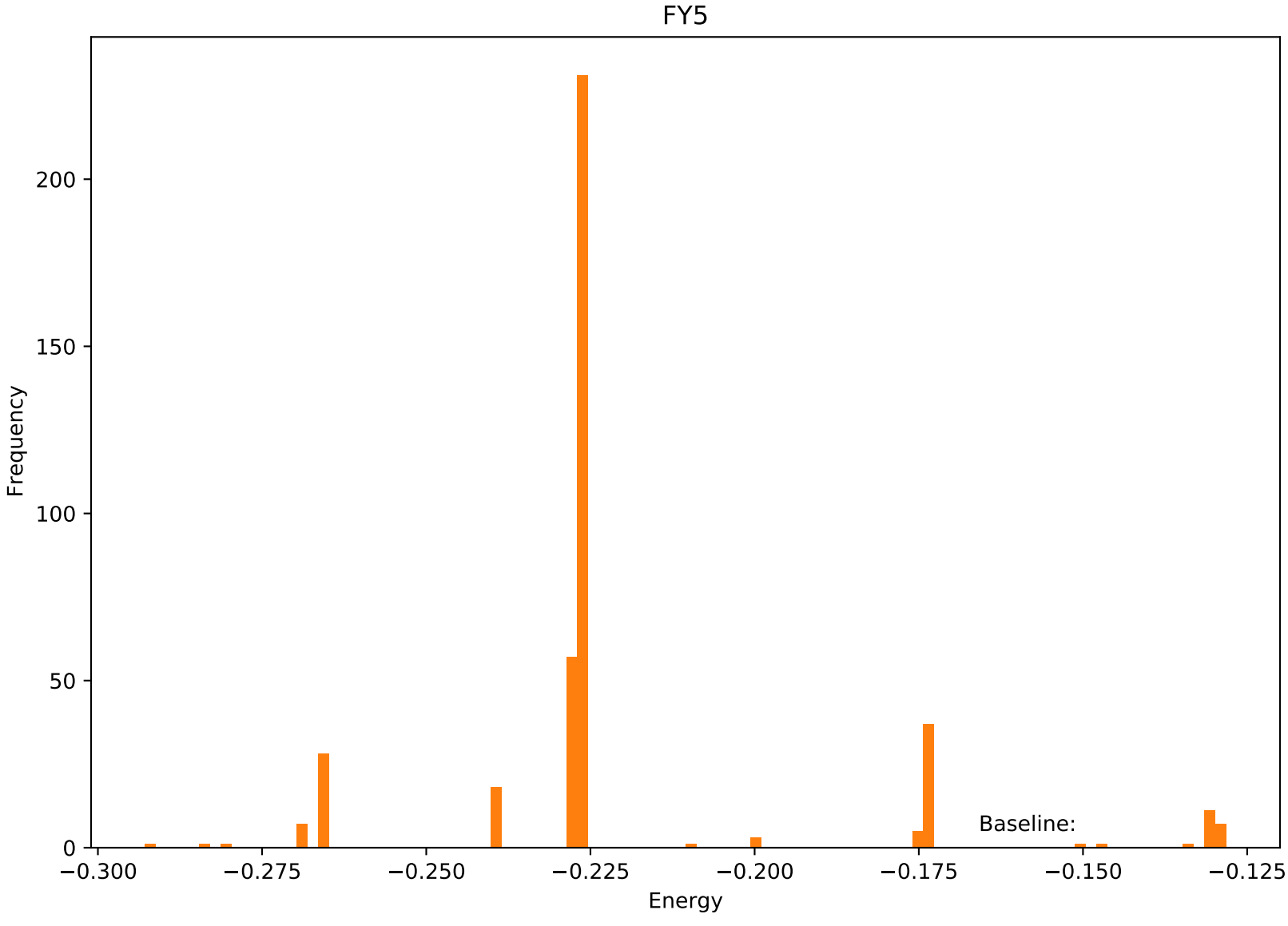

FY1
Frequency
Energy
0
50
100
150
200
250
300
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
Baseline 12051

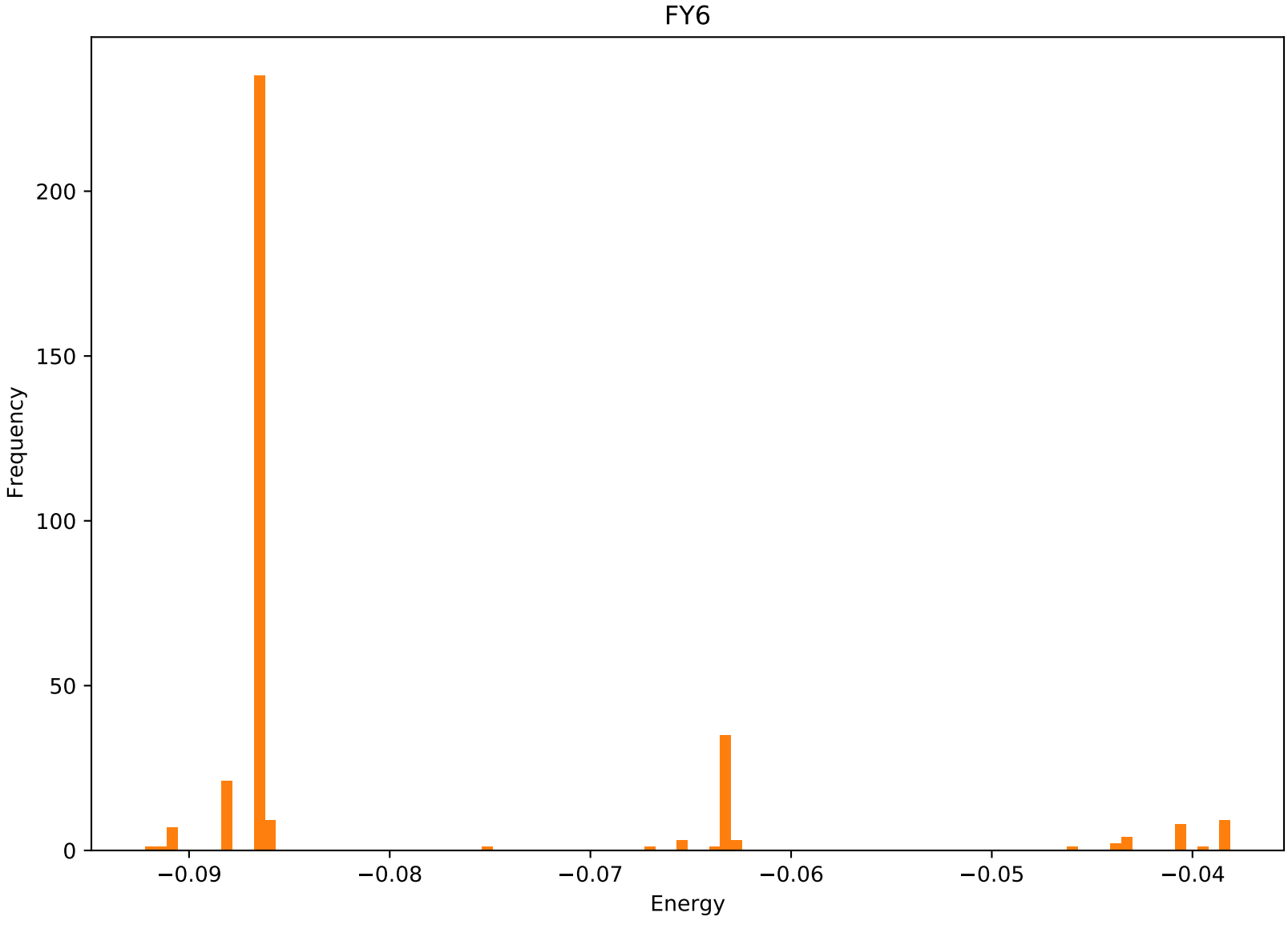

FY10
250
200
150
100
50
0
Frequency
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy

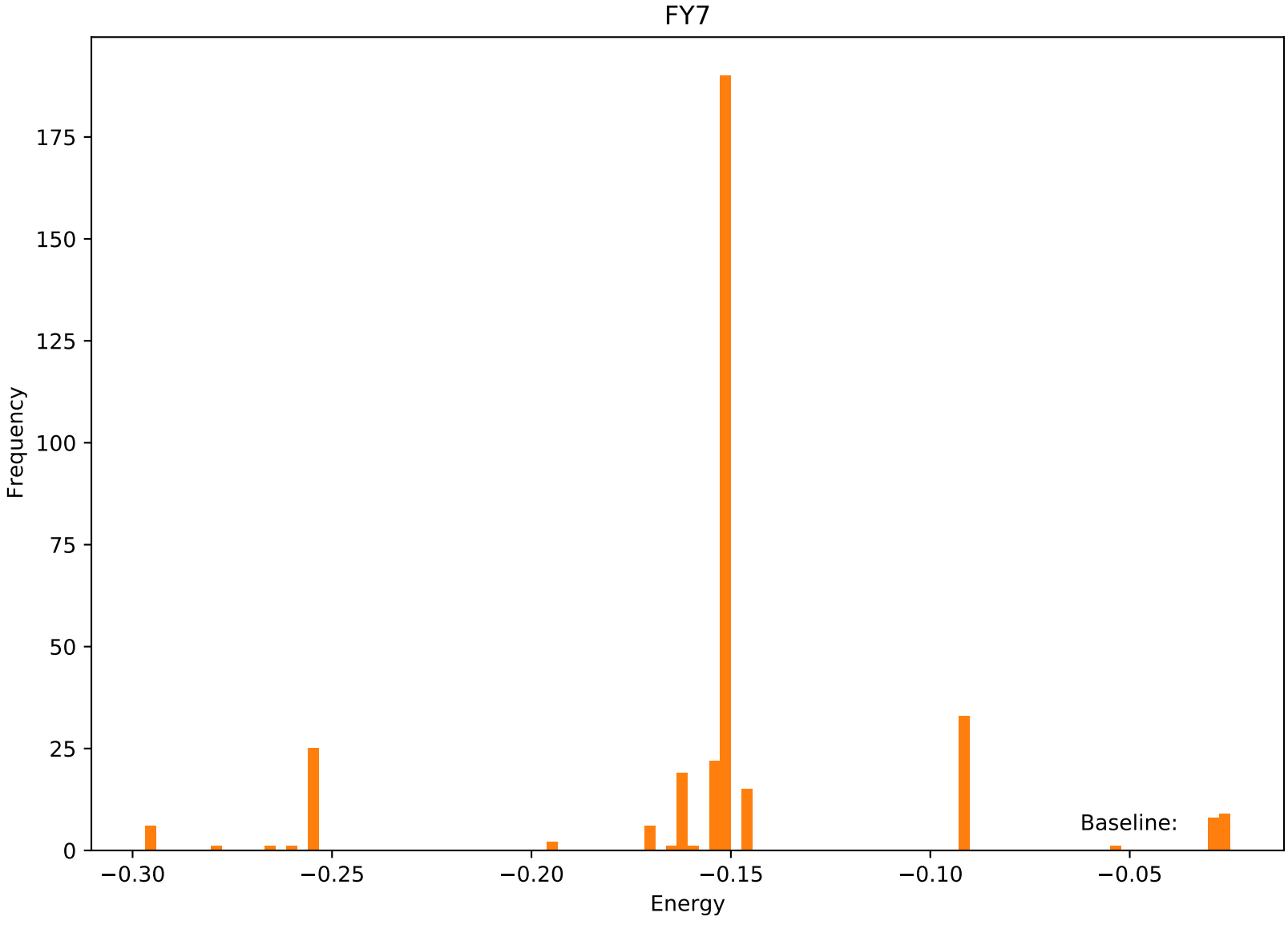

FY2
Frequency
300
250
200
150
100
50
0
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900
Energy

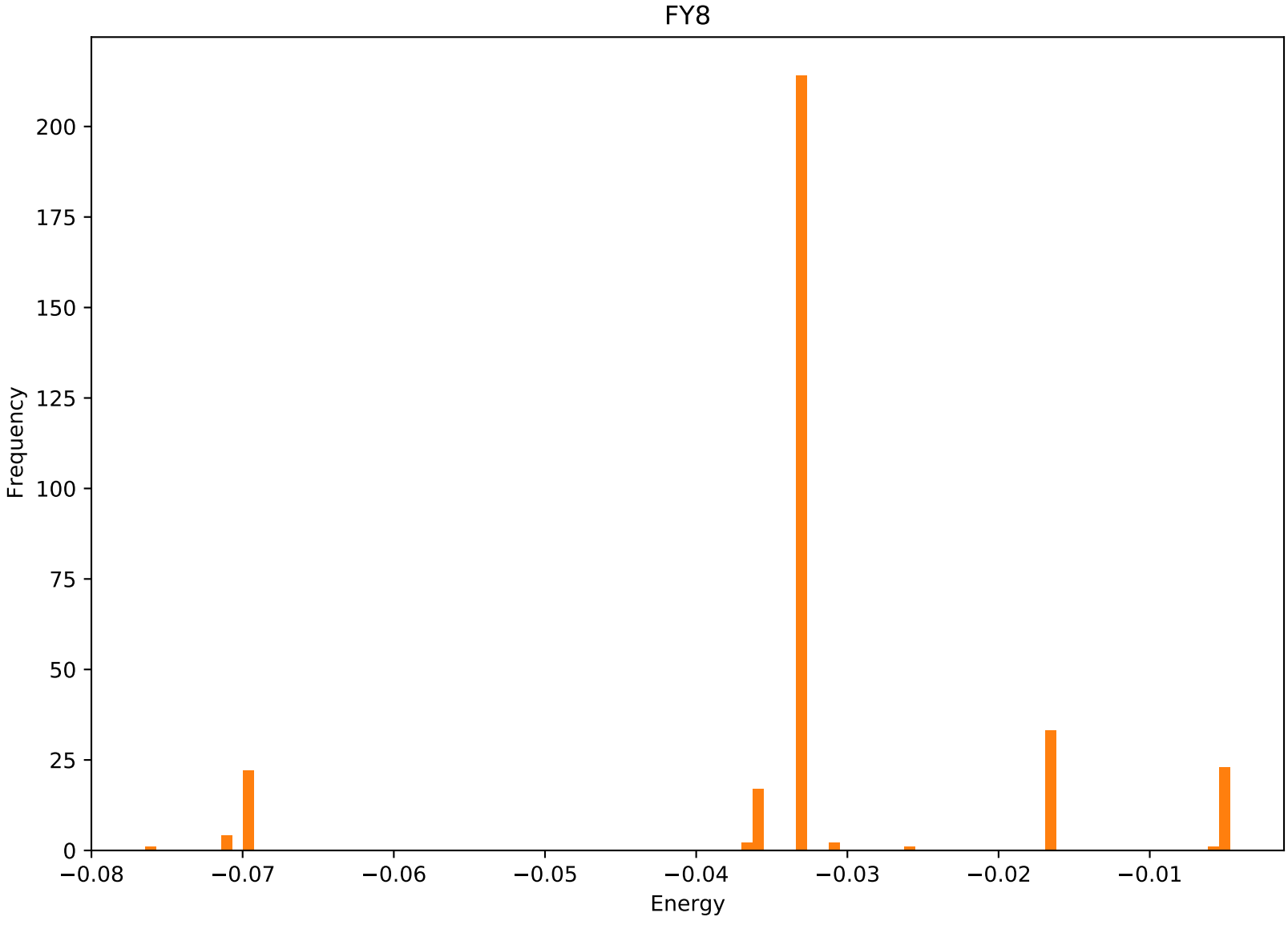

FY3
Frequency
Energy
0
50
100
150
200
250
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
−1.75
Baseline14591

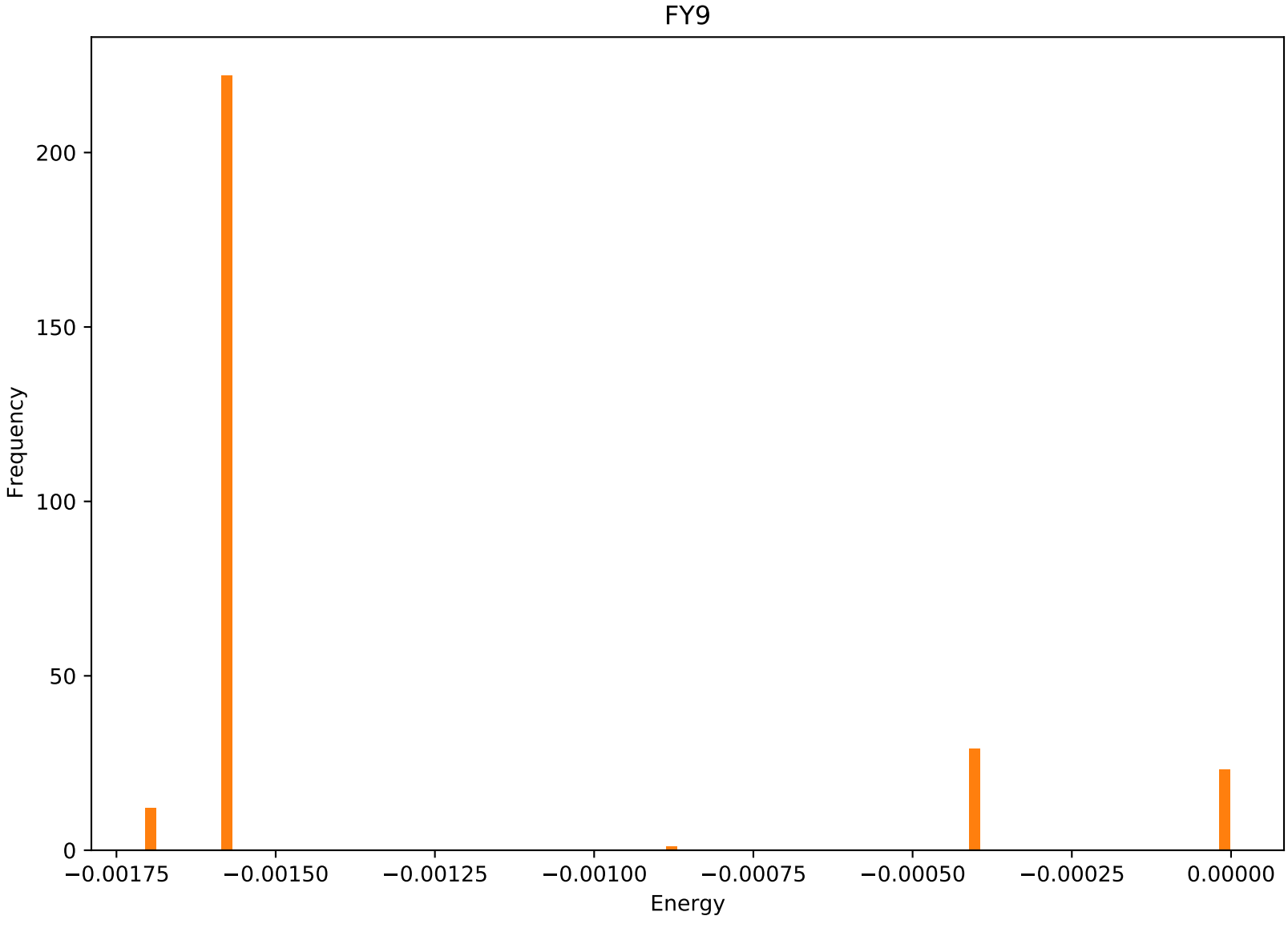

FY4
Frequency
250
200
150
100
50
0
−4.8
−4.7
−4.6
−4.5
−4.4
−4.3
−4.2
Energy
Baseline: -4.53314

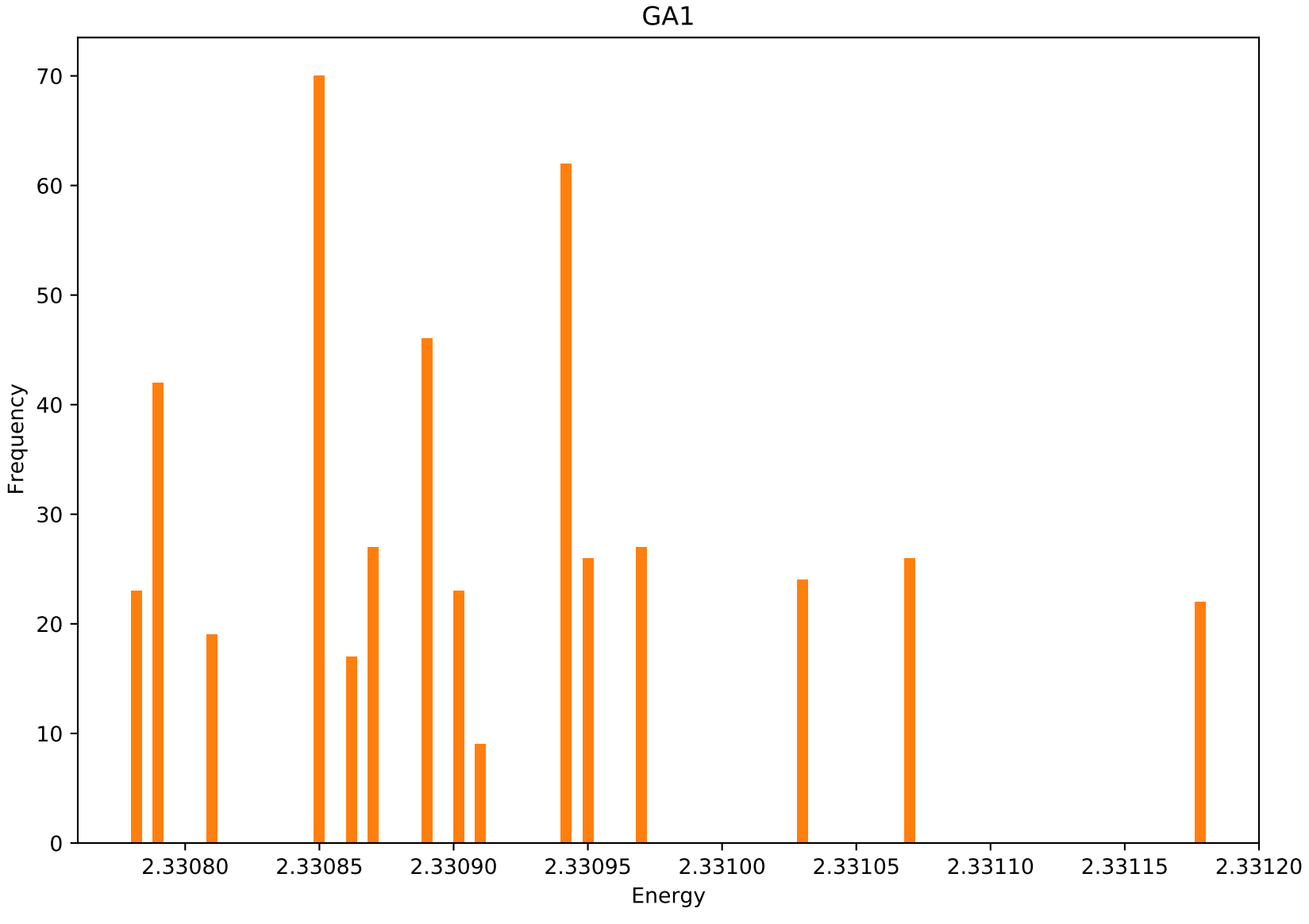

FY5
Frequency
200
150
100
50
0
−0.300
−0.275
−0.250
−0.225
−0.200
−0.175
−0.150
−0.125
Energy
Baseline:

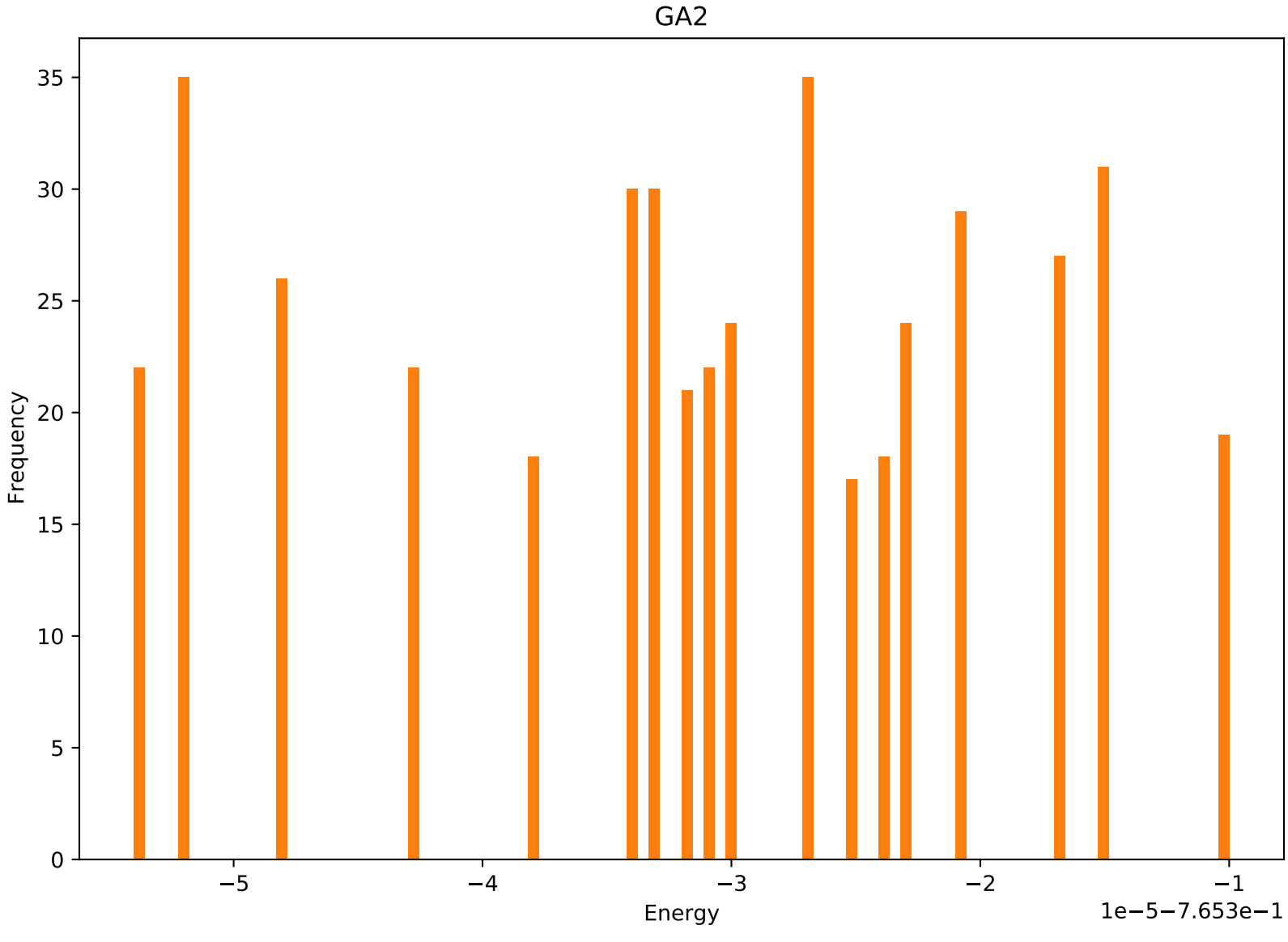

FY6
Frequency
200
150
100
50
0
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

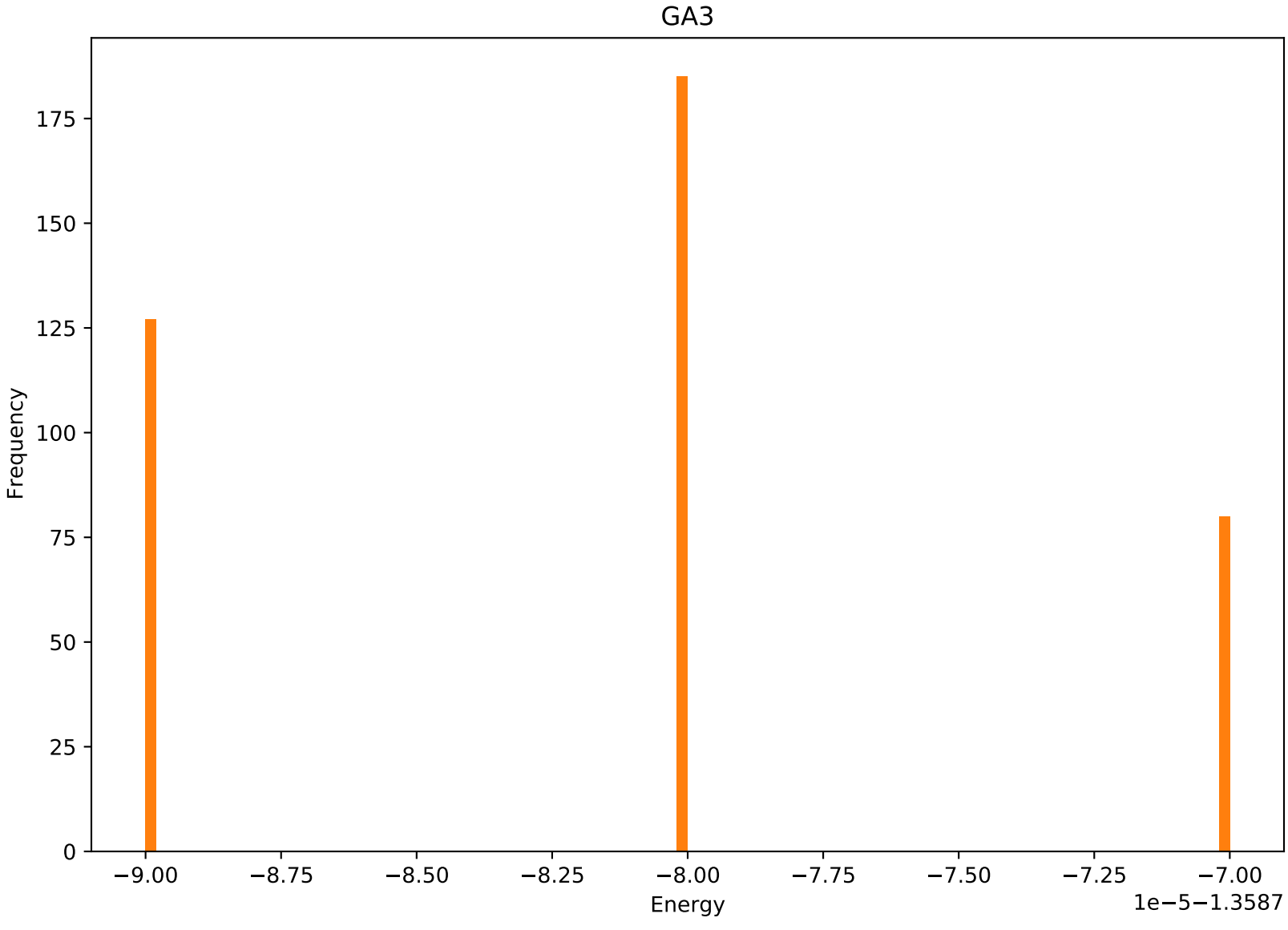

FY7
Frequency
175
150
125
100
75
50
25
0
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
Energy
Baseline:

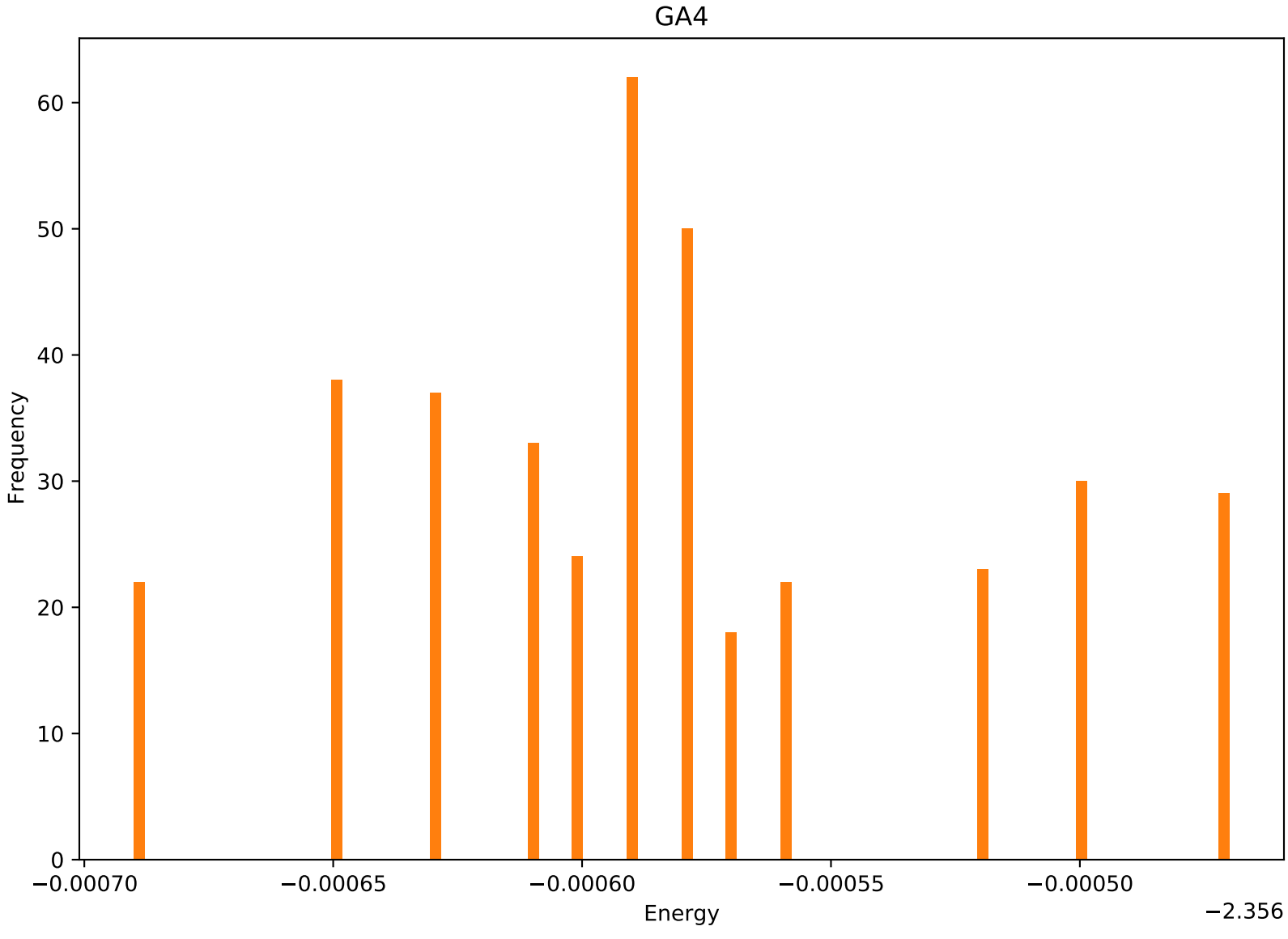

FY8
Frequency
Energy
0
25
50
75
100
125
150
175
200
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03
−0.02
−0.01

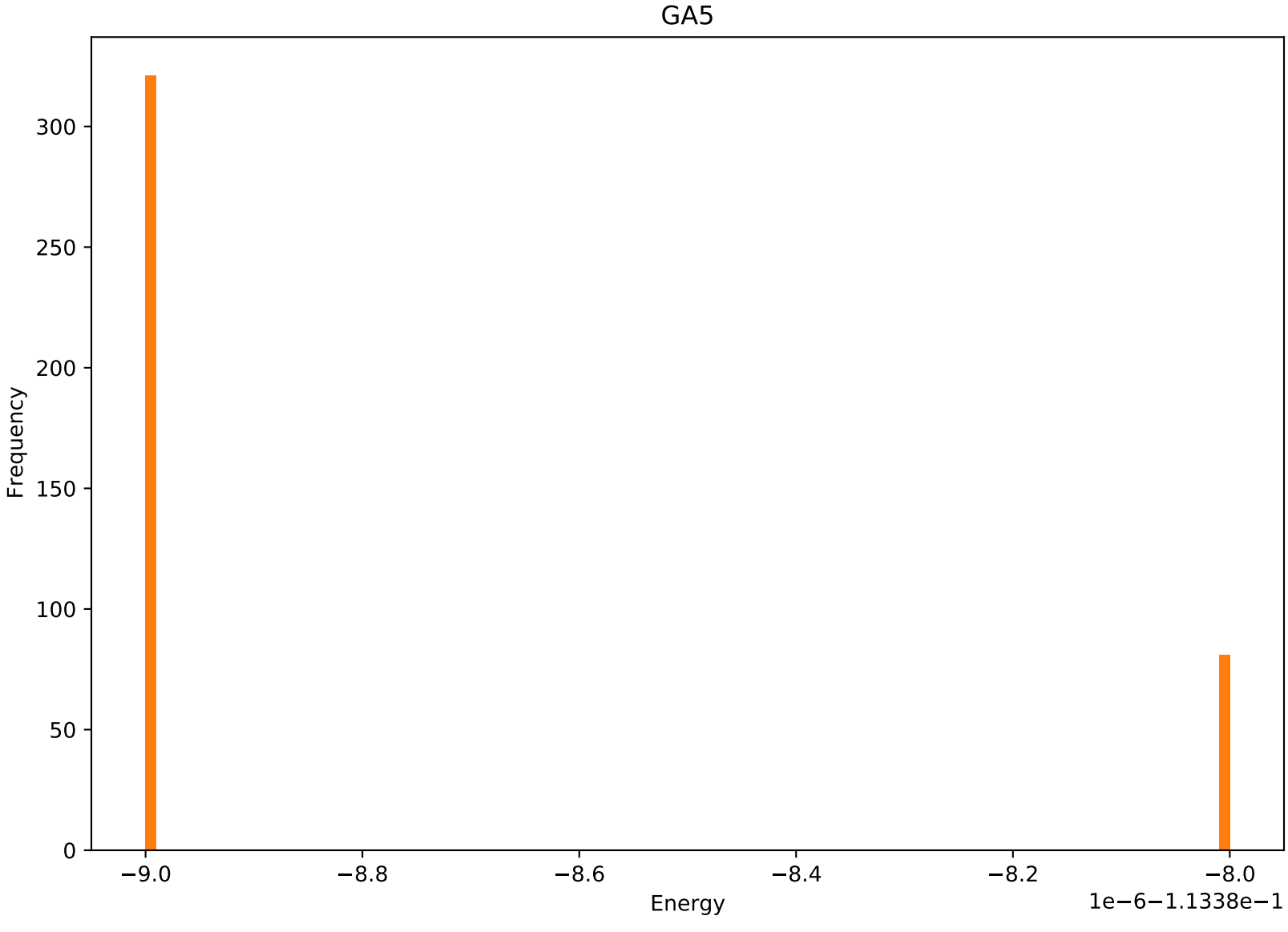

FY9
Frequency
Energy
0
50
100
150
200
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000

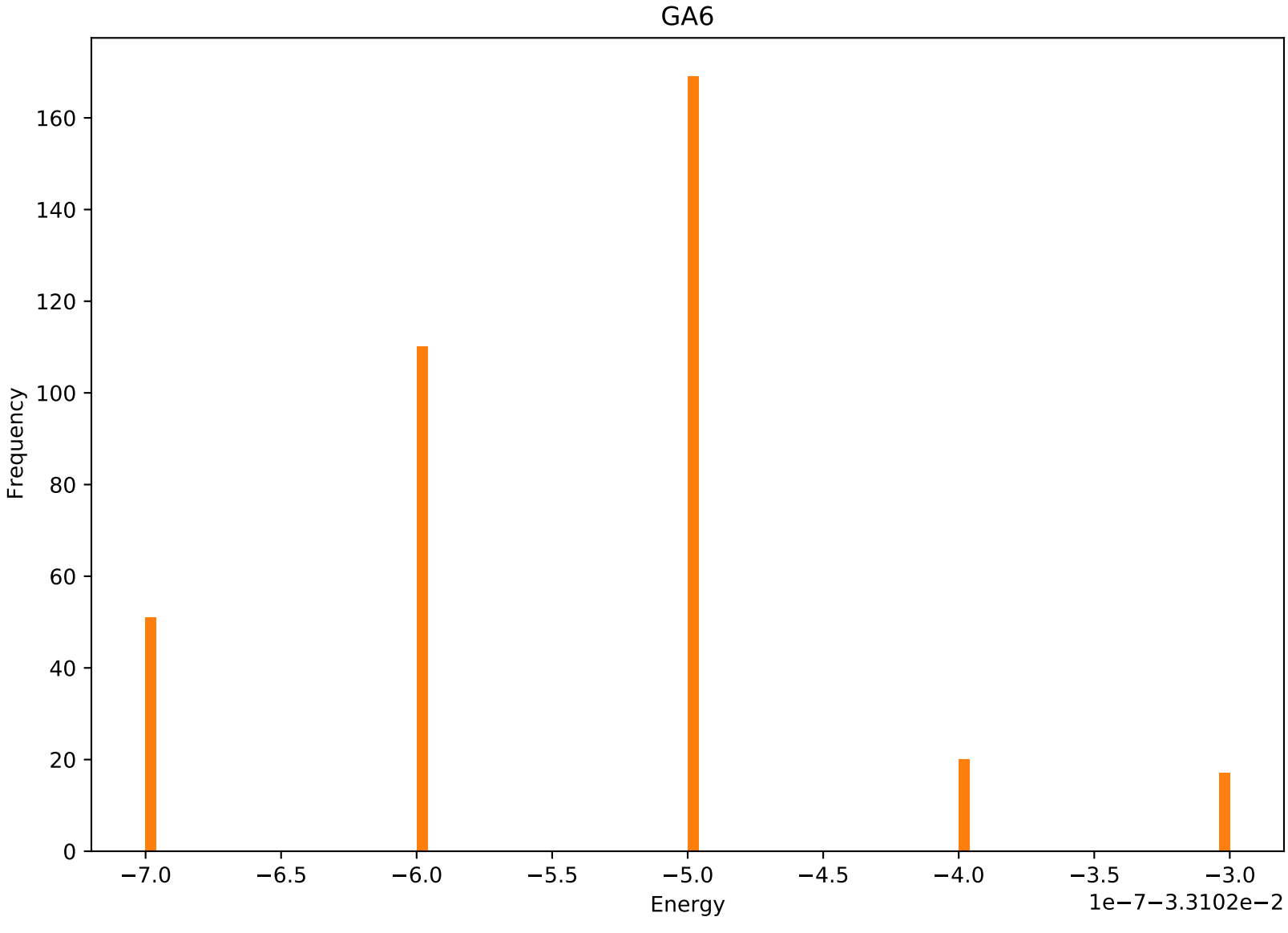

GA1
Frequency
Energy
0
10
20
30
40
50
60
70
2.33080
2.33085
2.33090
2.33095
2.33100
2.33105
2.33110
2.33115
2.33120

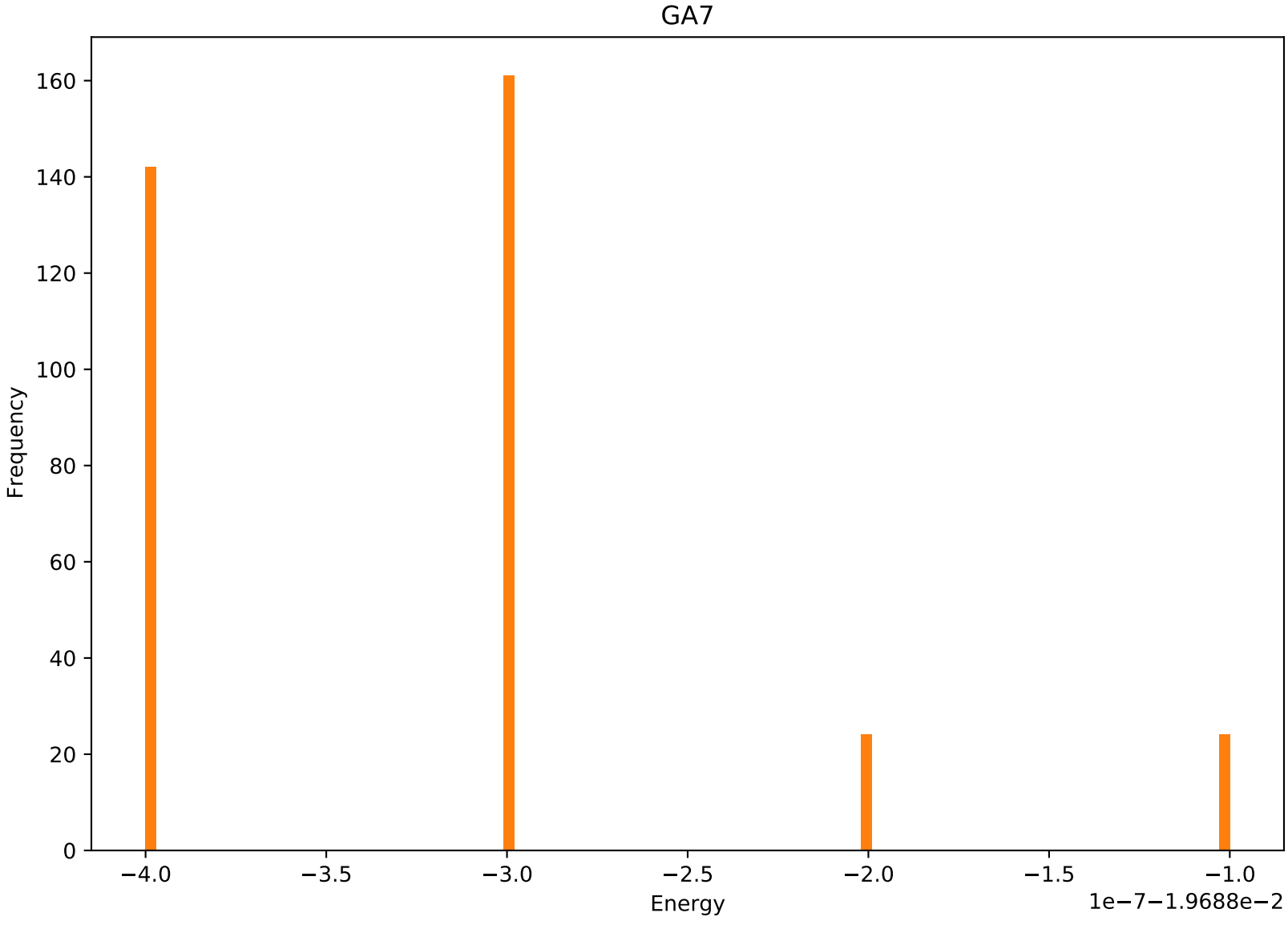

GA2
Frequency
0
5
10
15
20
25
30
35
−5
−4
−3
−2
−1
Energy
1e−5−7.653e−1

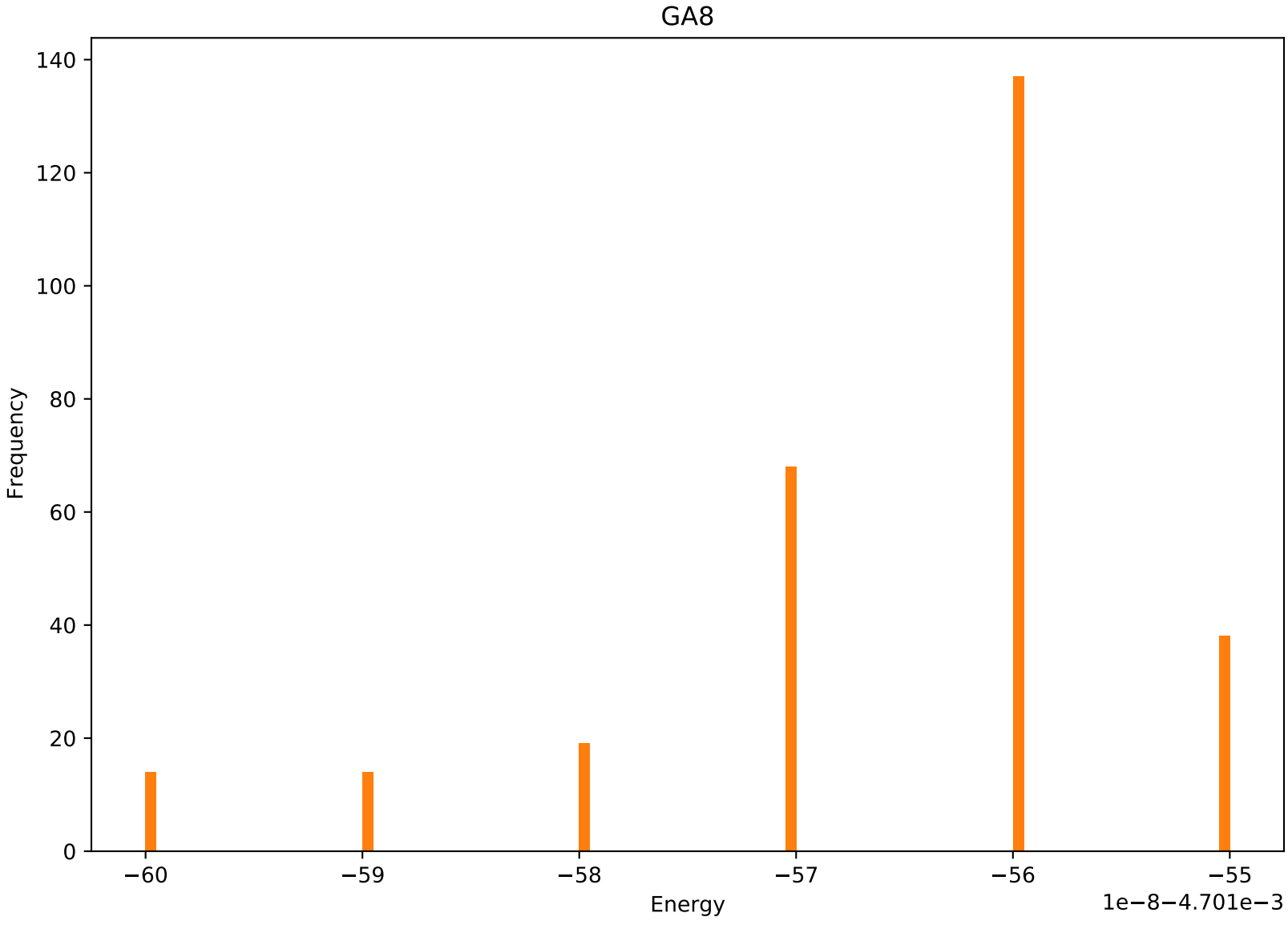

GA3
Frequency
175
150
125
100
75
50
25
0
−9.00
−8.75
−8.50
−8.25
−8.00
−7.75
−7.50
−7.25
−7.00
Energy
1e−5−1.3587

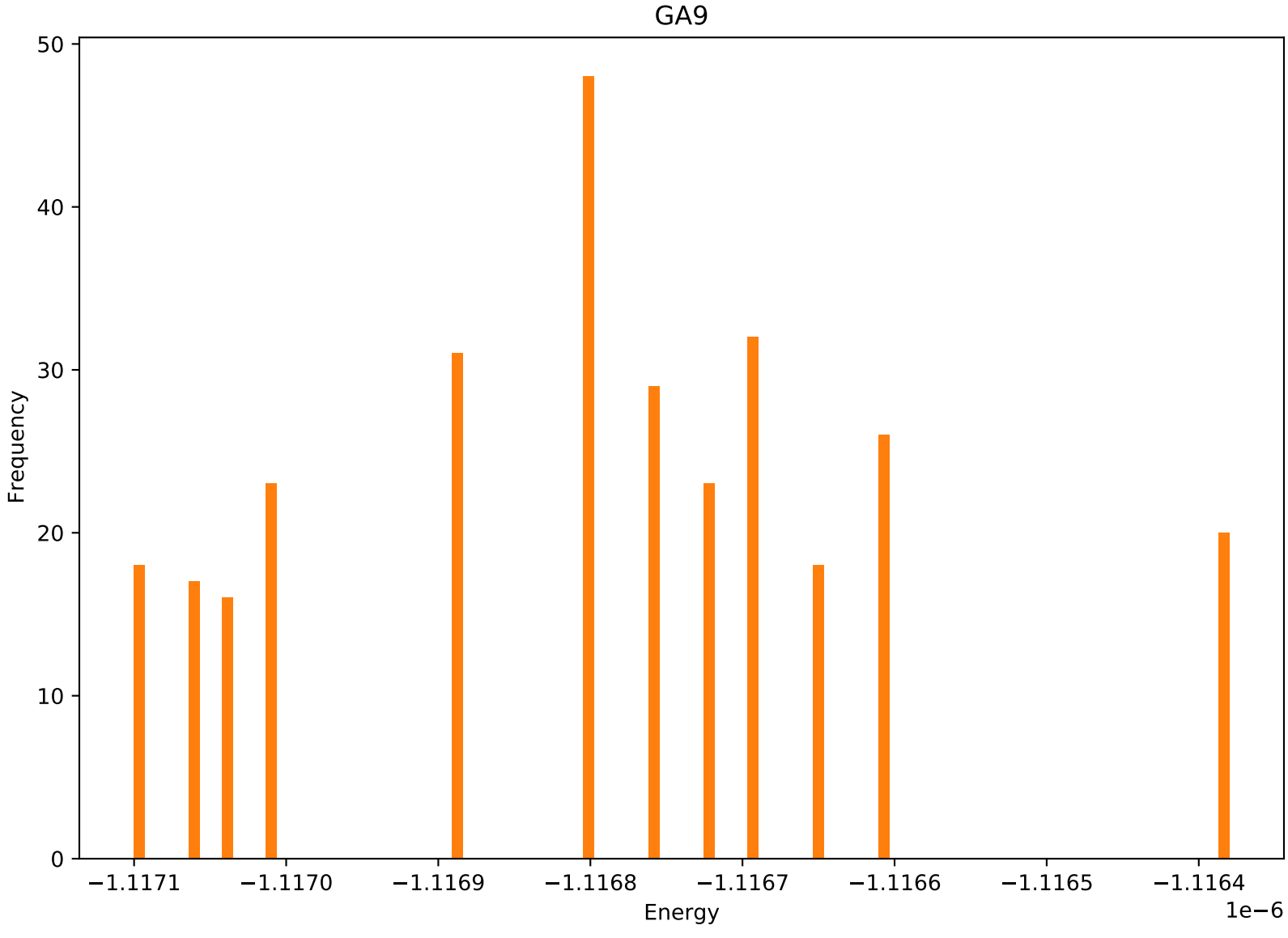

GA4
Frequency
0
10
20
30
40
50
60
−0.00070
−0.00065
−0.00060
−0.00055
−0.00050
Energy
−2.356

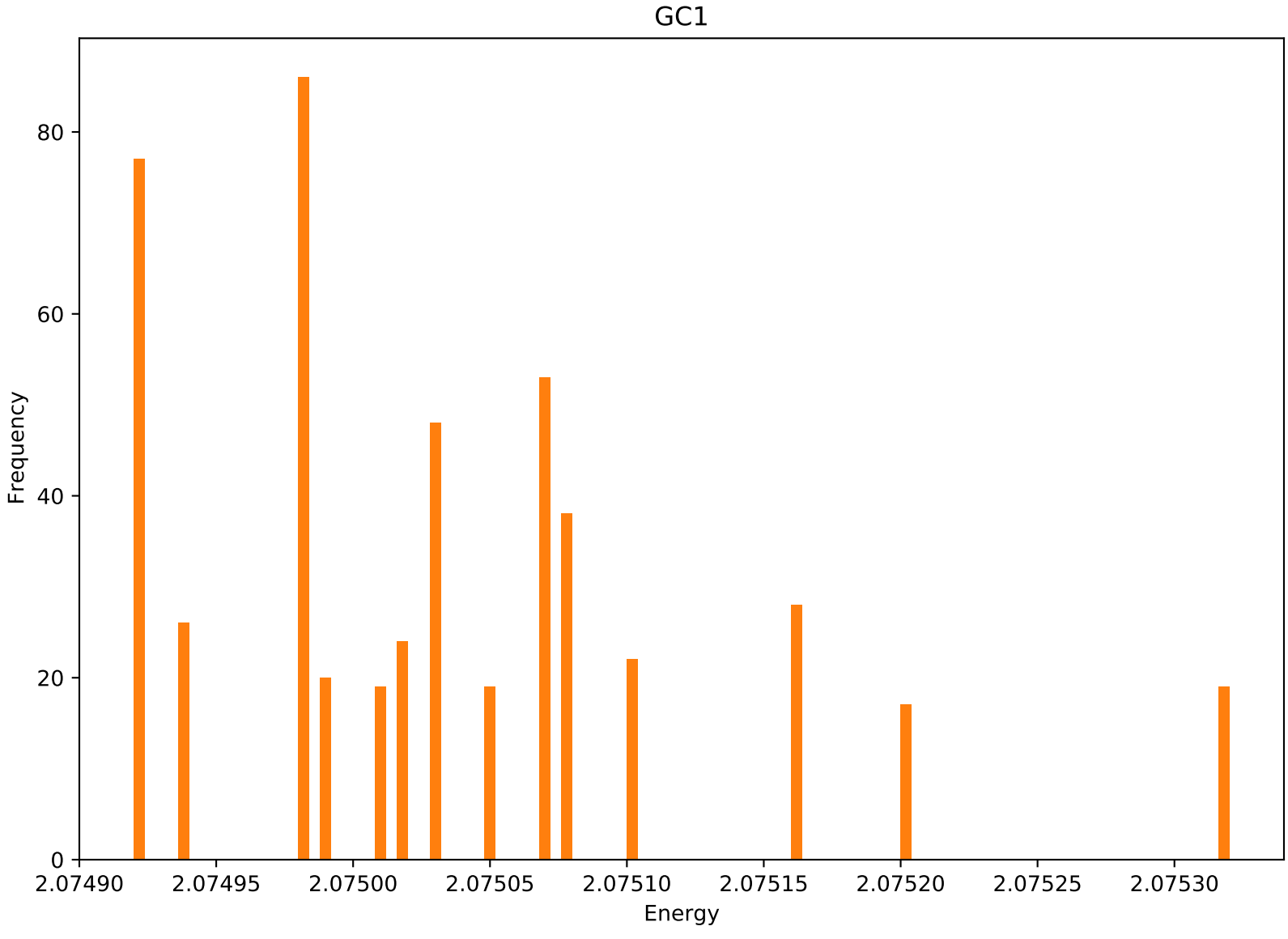

GA5
300
250
200
150
100
50
0
Frequency
−9.0
−8.8
−8.6
−8.4
−8.2
−8.0
Energy
1e−6−1.1338e−1

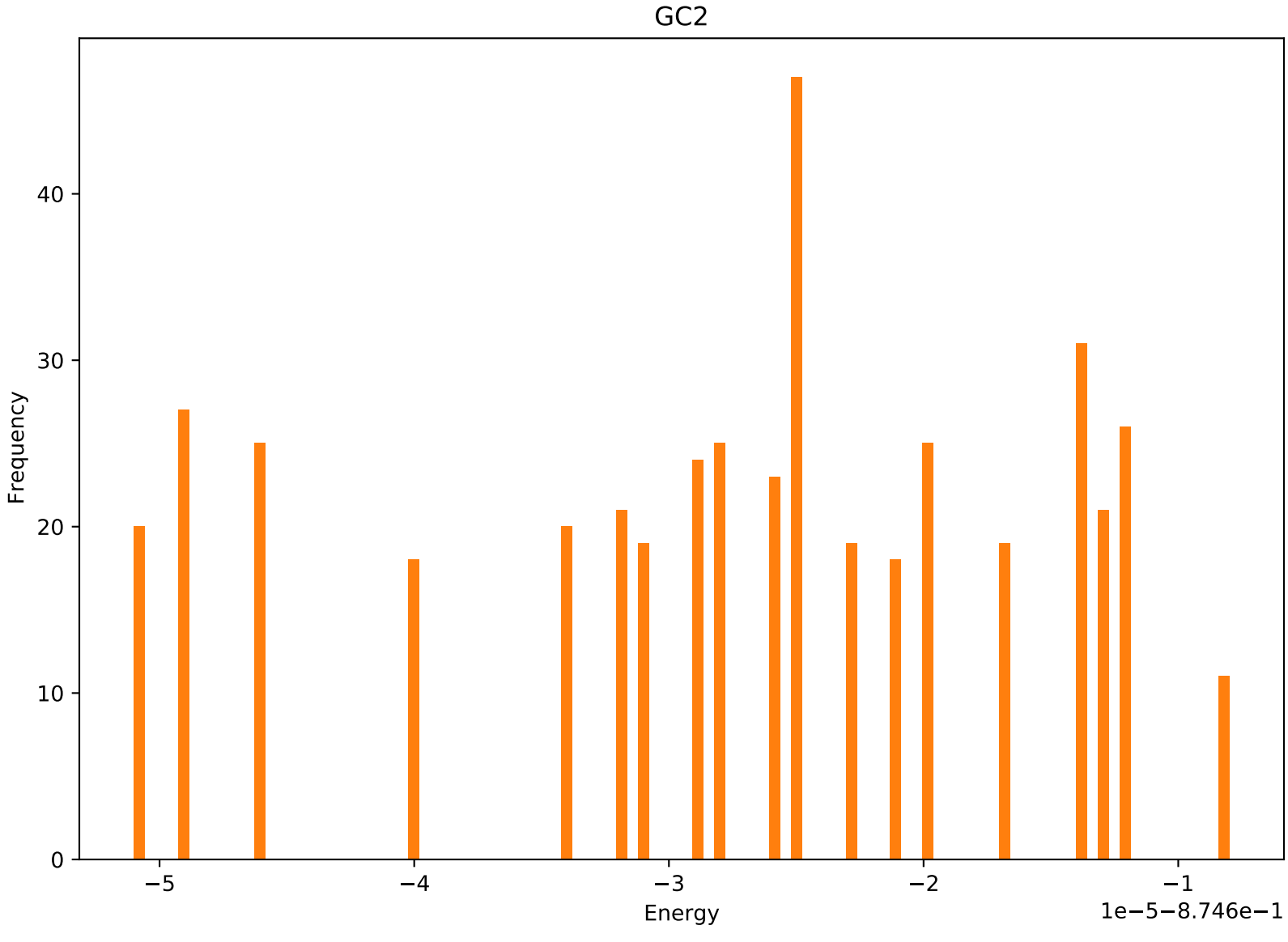

GA6
Frequency
0
20
40
60
80
100
120
140
160
−7.0
−6.5
−6.0
−5.5
−5.0
−4.5
−4.0
−3.5
−3.0
Energy
1e−7−3.3102e−2

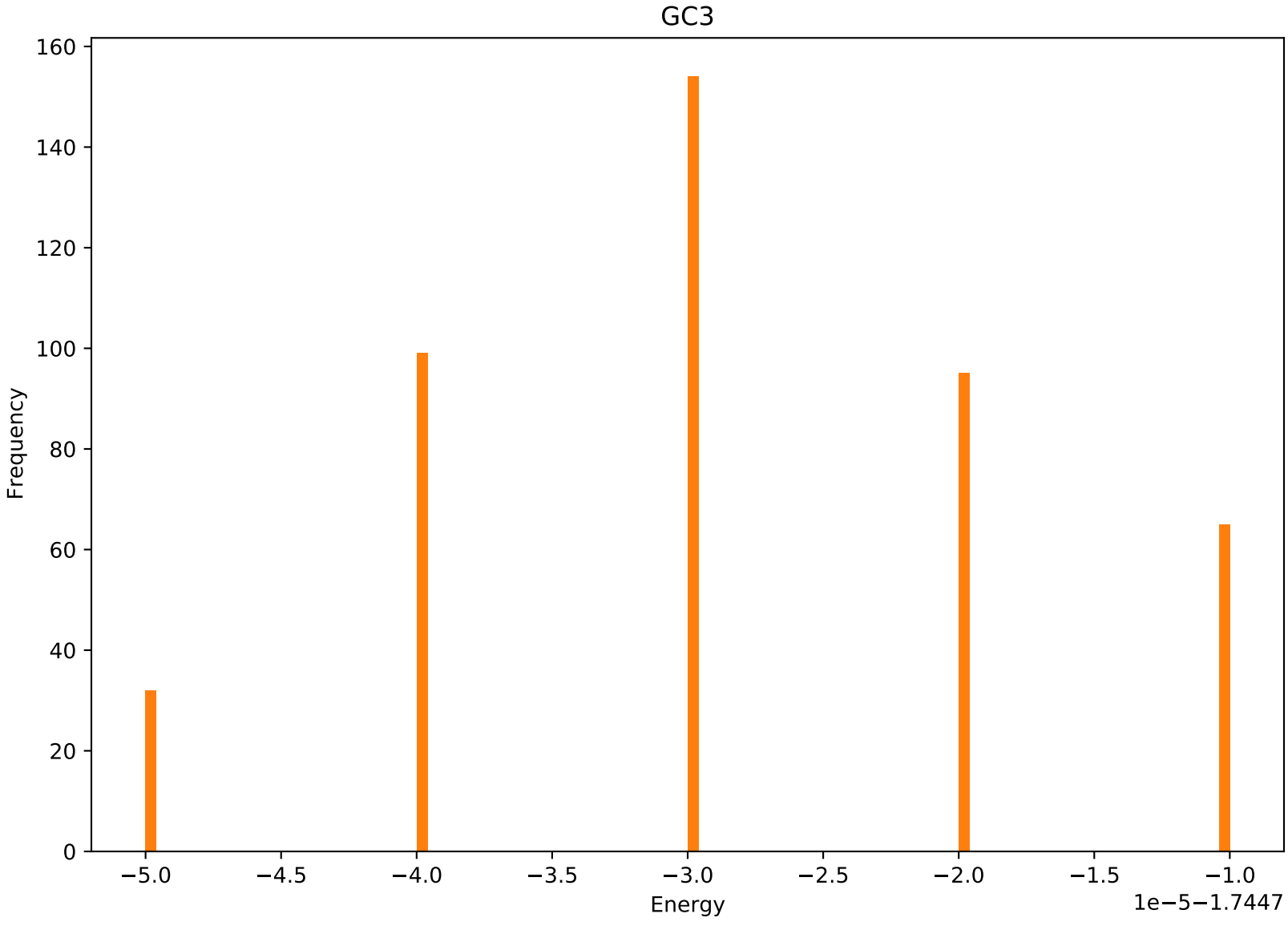

GA7
160
140
120
100
80
60
40
20
0
Frequency
−4.0
−3.5
−3.0
−2.5
−2.0
−1.5
−1.0
Energy
1e−7−1.9688e−2

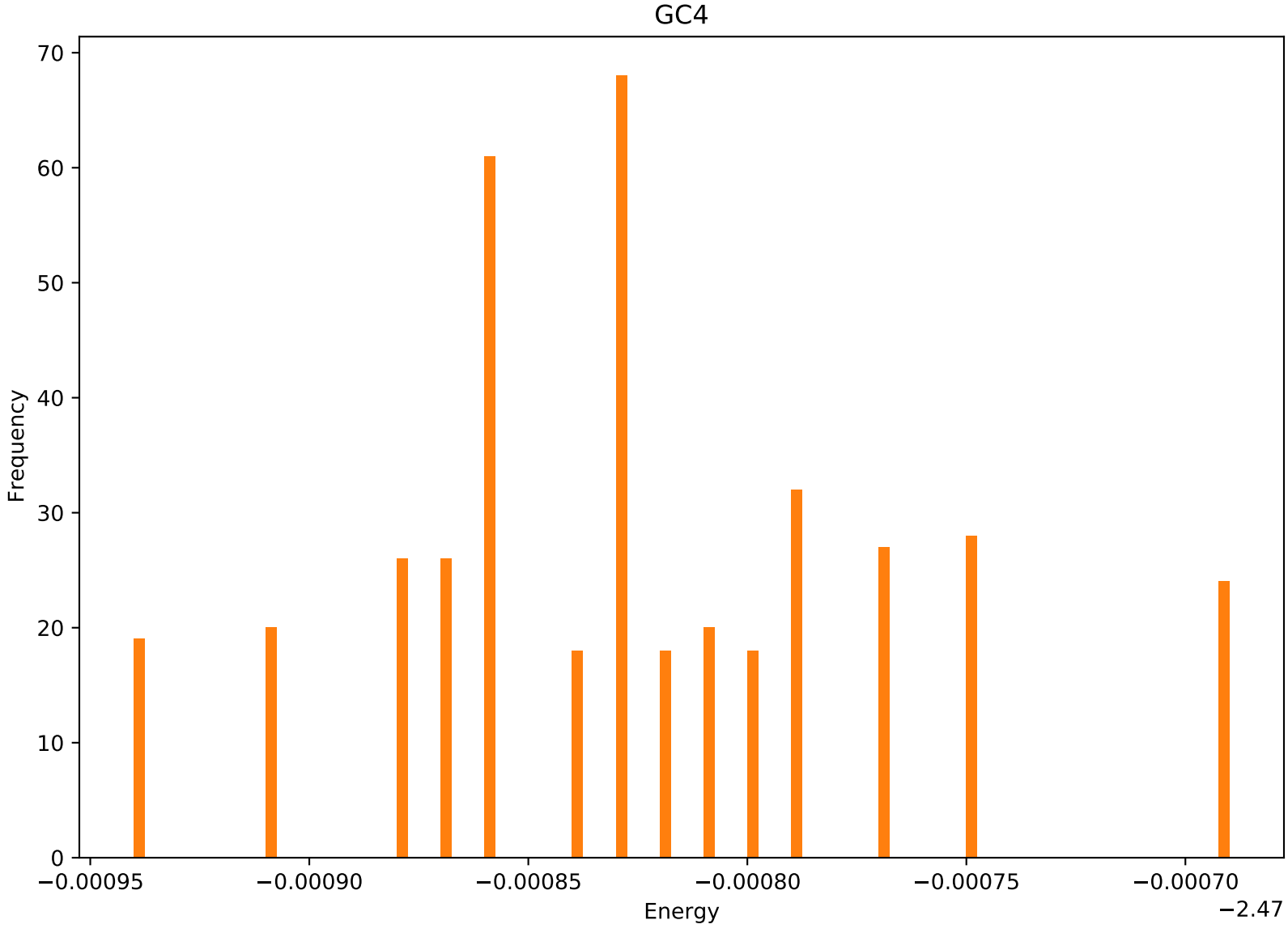

GA8
Frequency
0
20
40
60
80
100
120
140
−60
−59
−58
−57
−56
−55
Energy
1e−8−4.701e−3

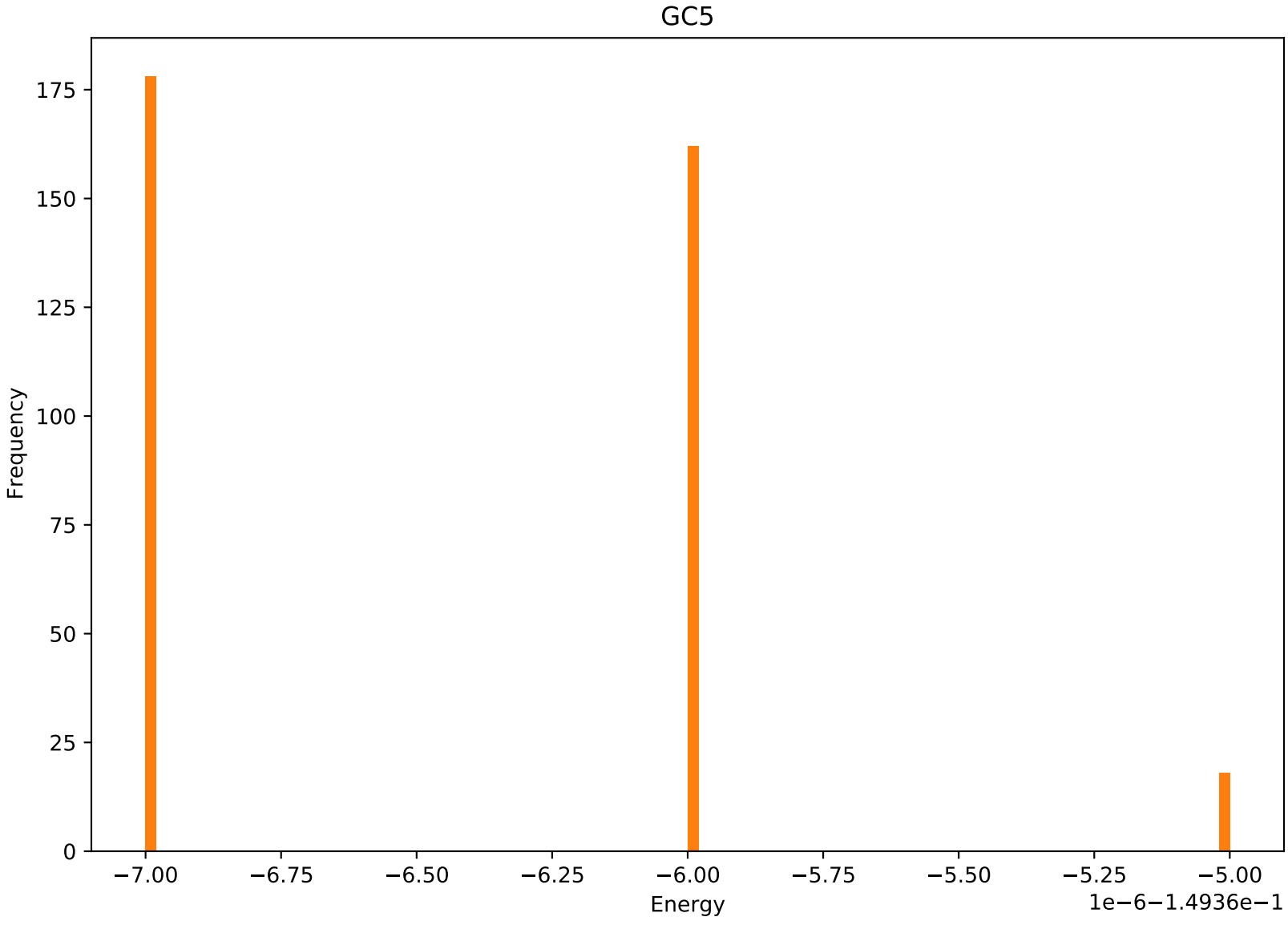

GA9
Frequency
0
10
20
30
40
50
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

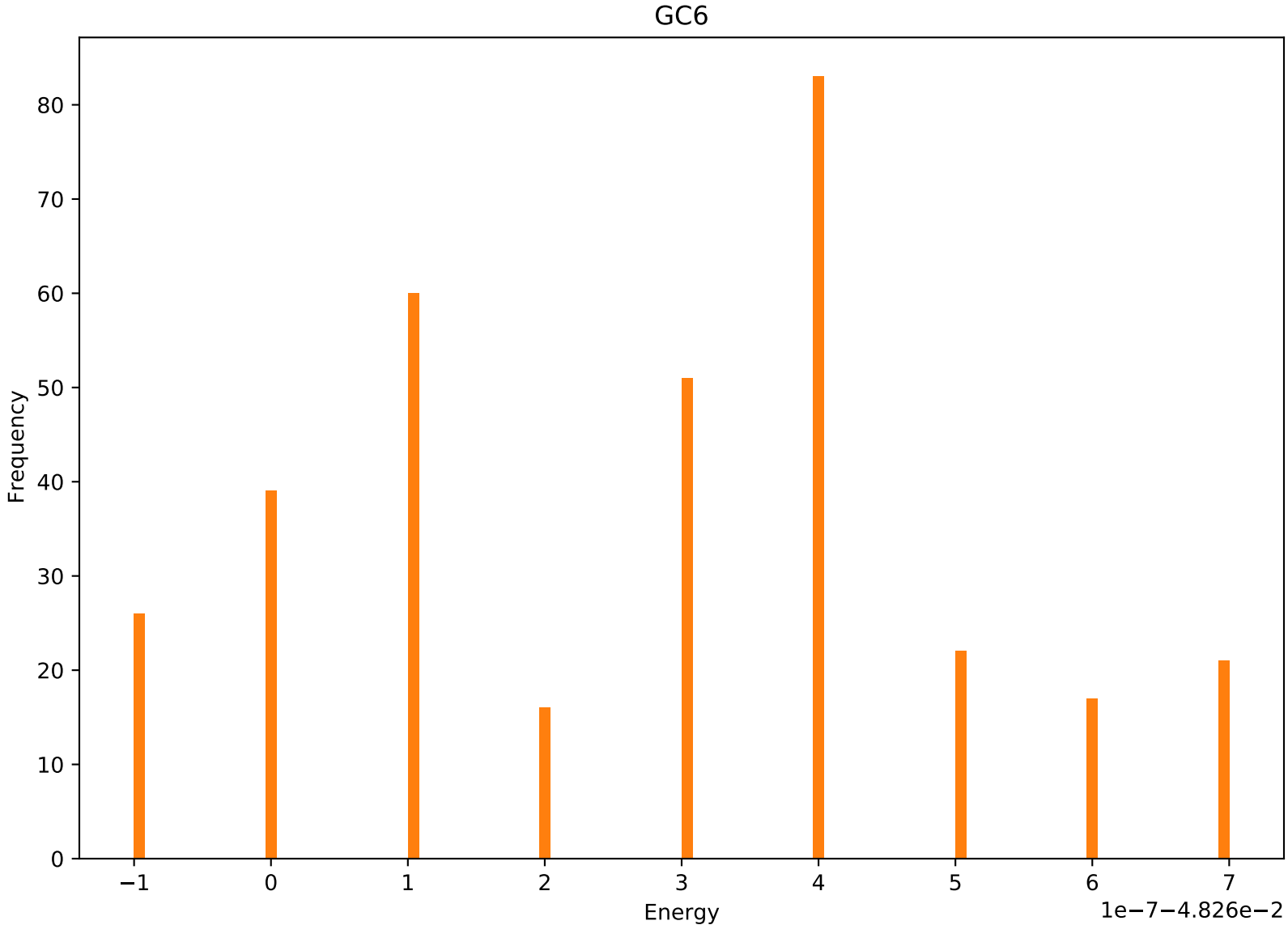

GC1
Frequency
0
20
40
60
80
2.07490
2.07495
2.07500
2.07505
2.07510
2.07515
2.07520
2.07525
2.07530
Energy

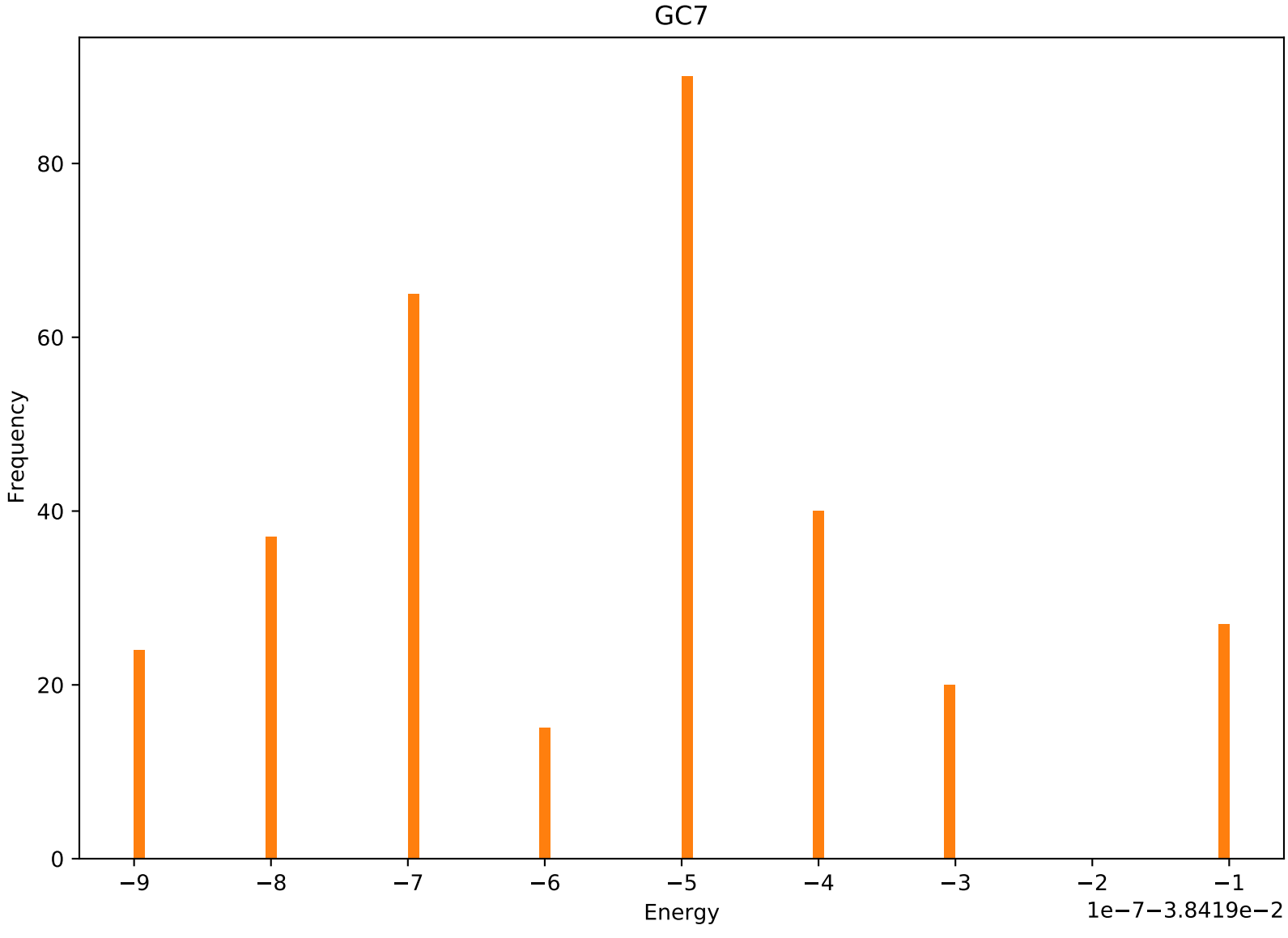

GC2
Frequency
0
10
20
30
40
−5
−4
−3
−2
−1
Energy
1e−5−8.746e−1

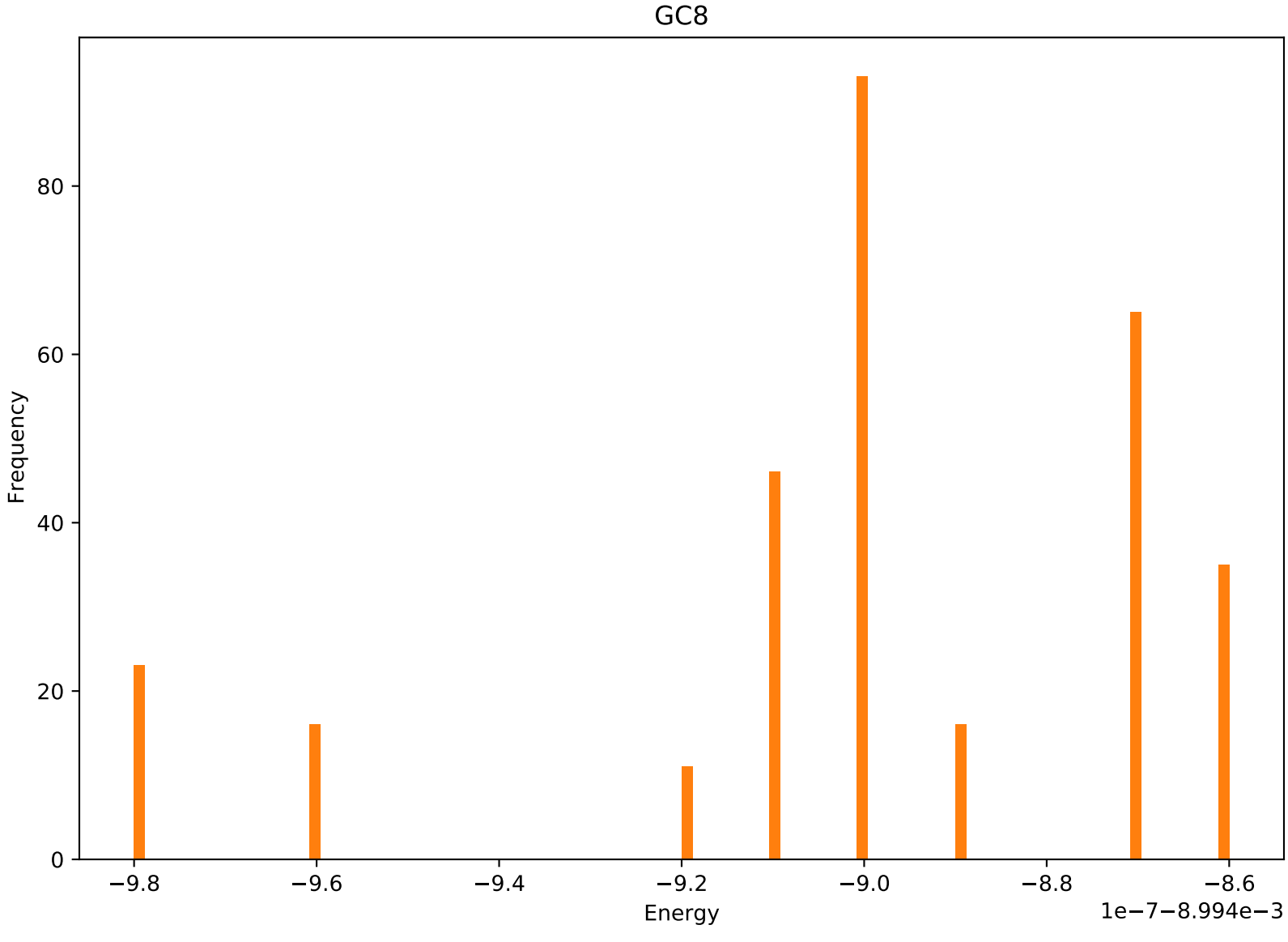

GC3
160
140
120
100
80
60
40
20
0
Frequency
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
−2.0
−1.5
−1.0
Energy
1e−5−1.7447

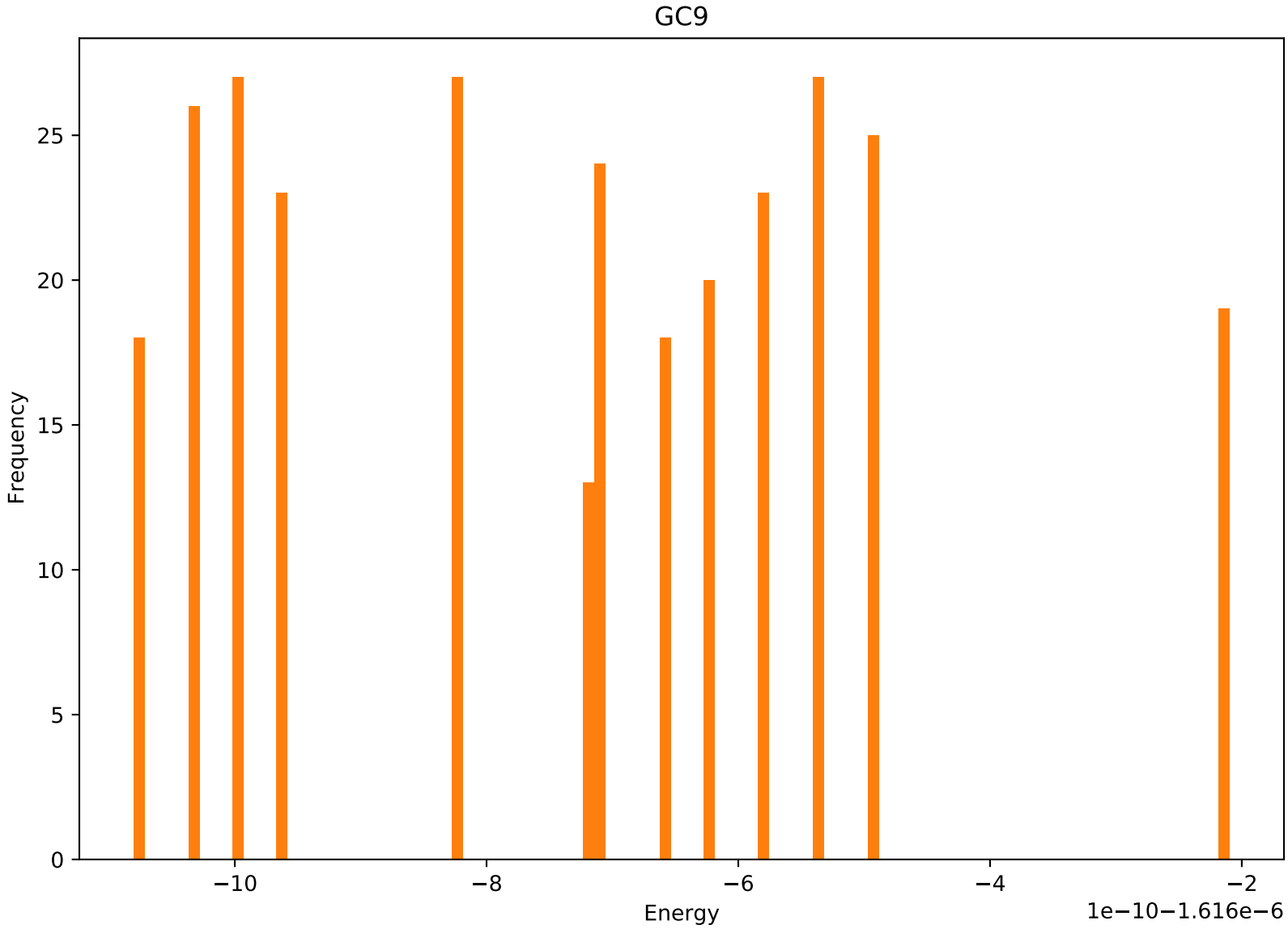

GC4
Frequency
Energy
0
10
20
30
40
50
60
70
−0.00095
−0.00090
−0.00085
−0.00080
−0.00075
−0.00070
−2.47

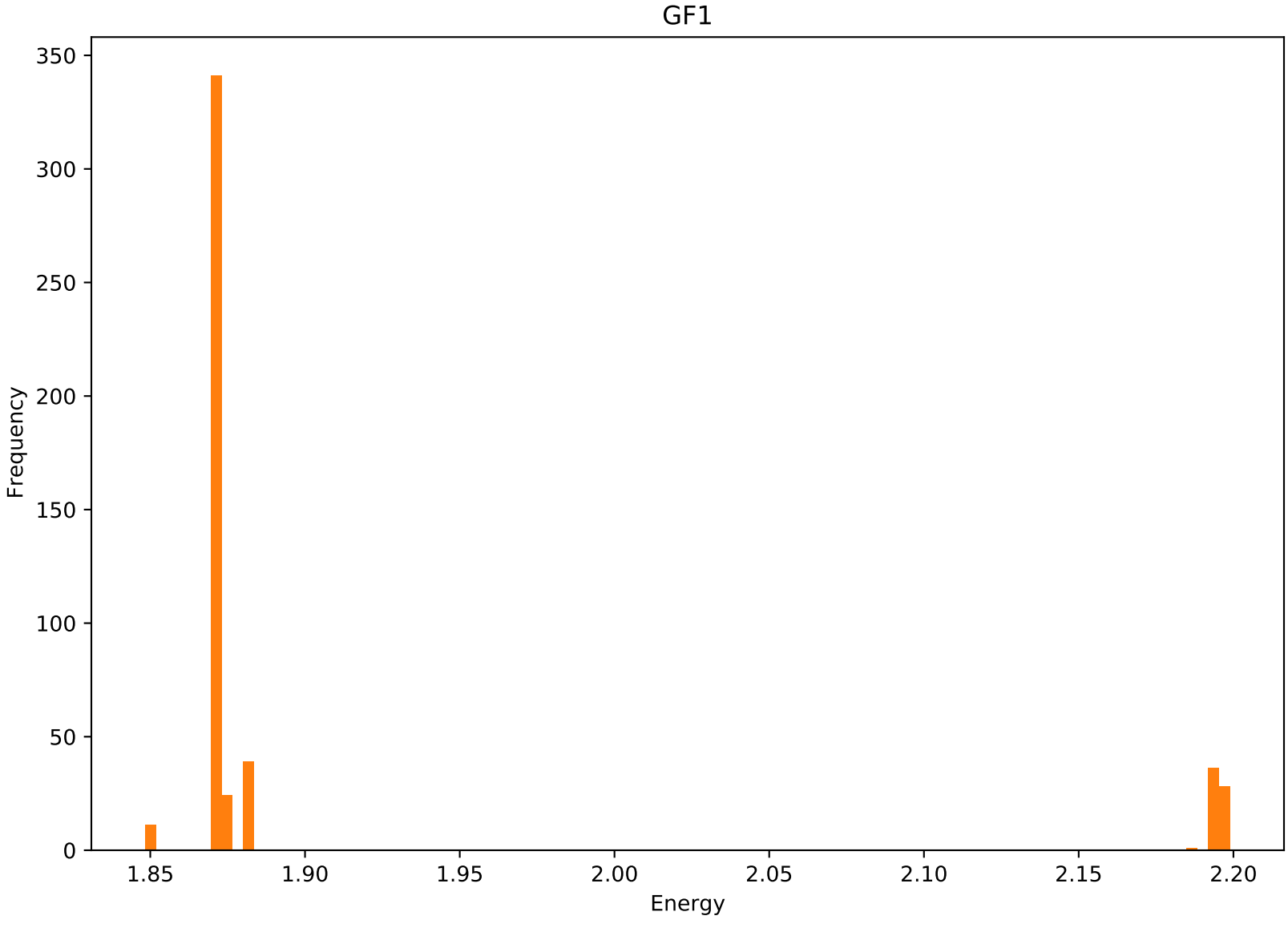

GC5
Frequency
175
150
125
100
75
50
25
0
−7.00
−6.75
−6.50
−6.25
−6.00
−5.75
−5.50
−5.25
−5.00
Energy
1e−6−1.4936e−1

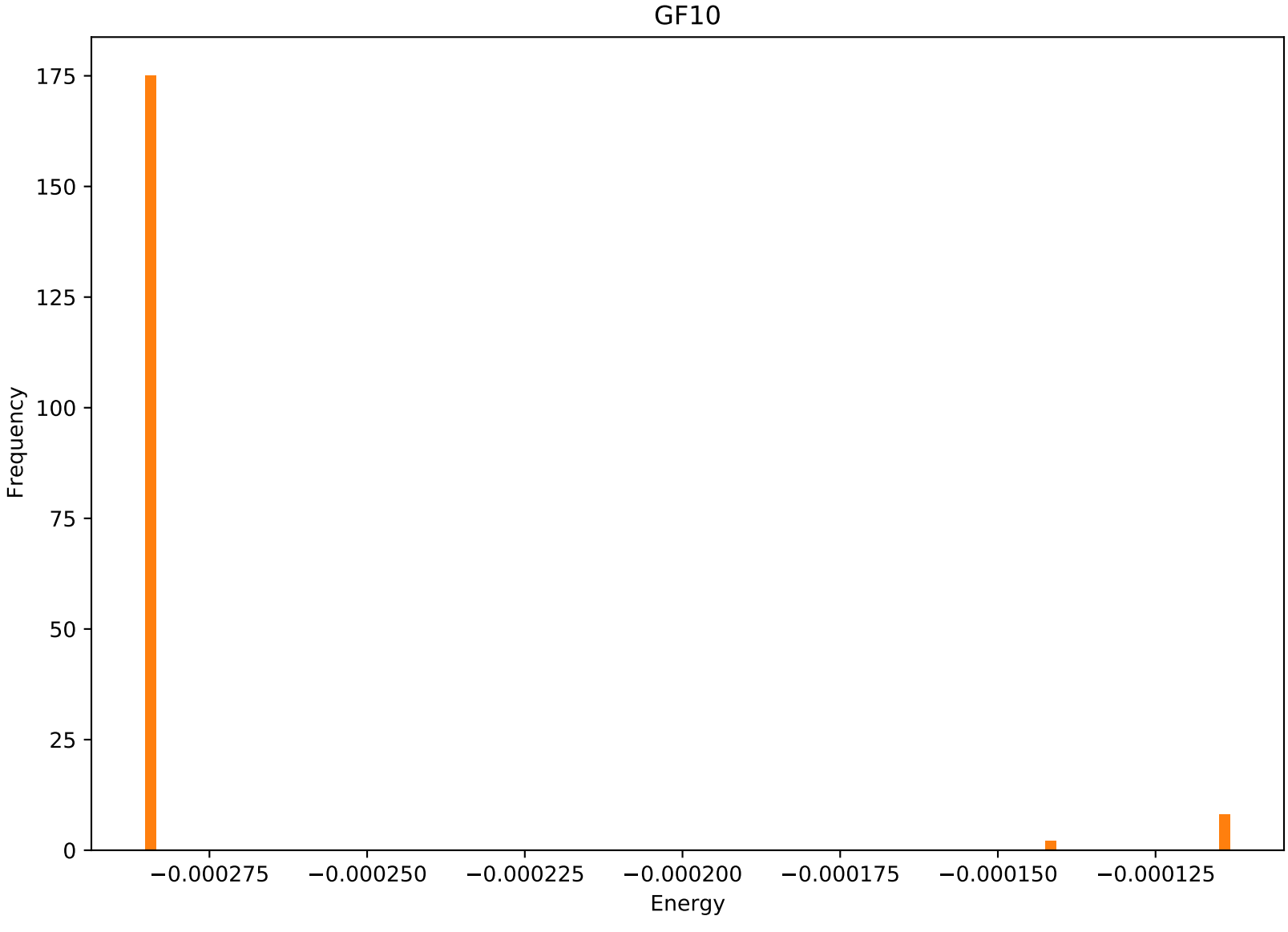

GC6
Frequency
0
10
20
30
40
50
60
70
80
−1
0
1
2
3
4
5
6
7
Energy
1e−7−4.826e−2

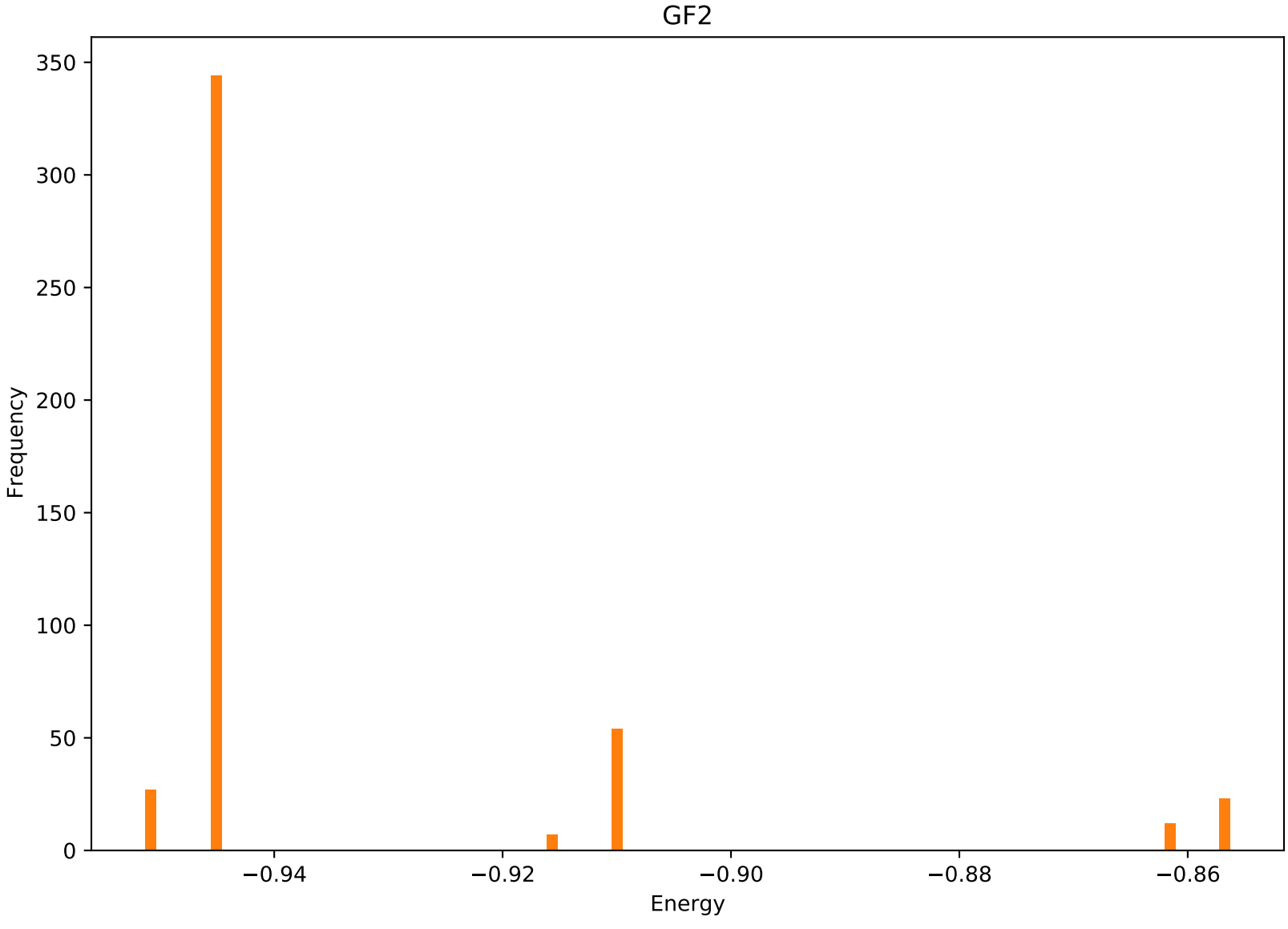

GC7
Frequency
0
20
40
60
80
−9
−8
−7
−6
−5
−4
−3
−2
−1
Energy
1e−7−3.8419e−2

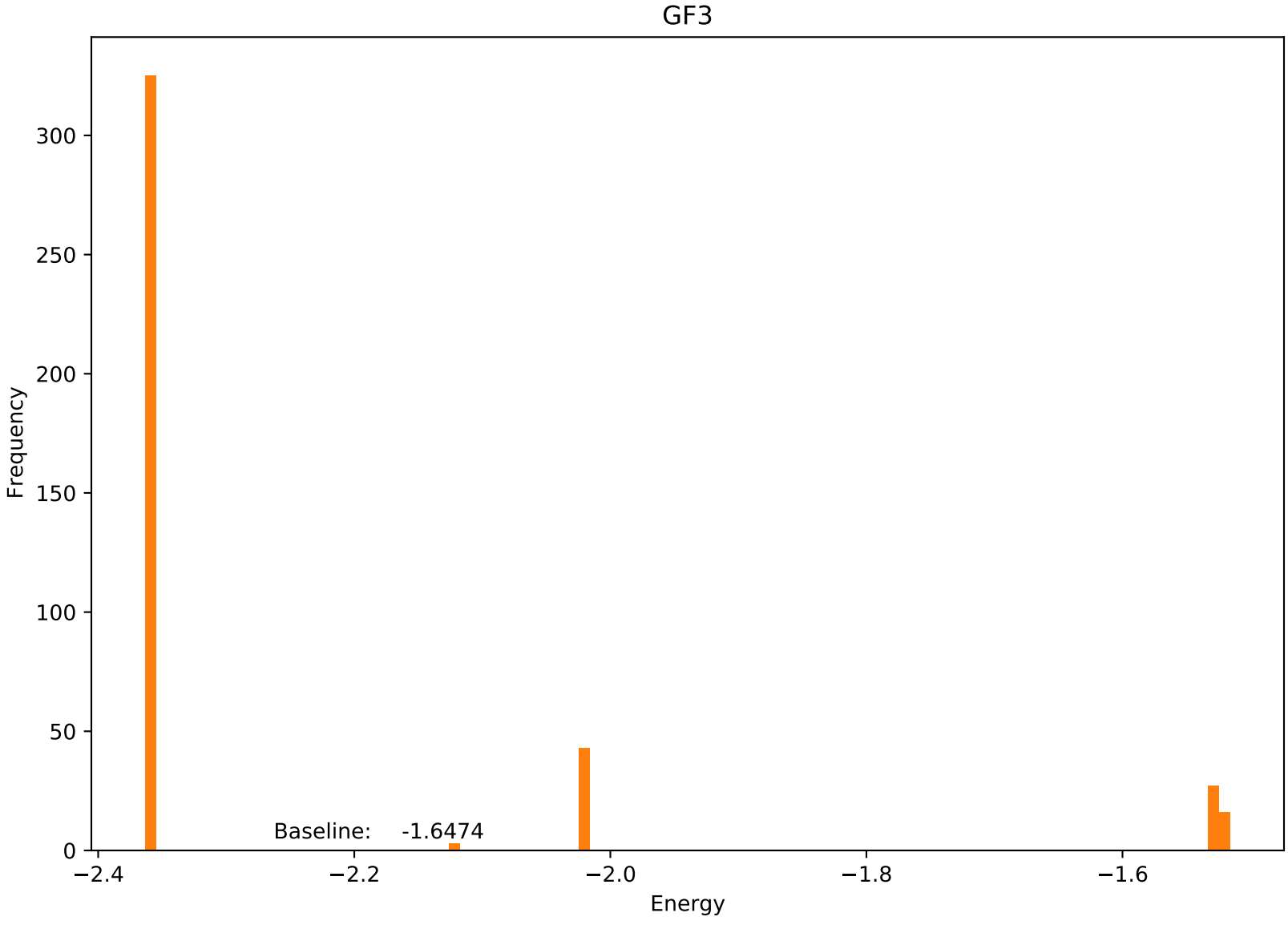

GC8
Frequency
0
20
40
60
80
−9.8
−9.6
−9.4
−9.2
−9.0
−8.8
−8.6
Energy
1e−7−8.994e−3

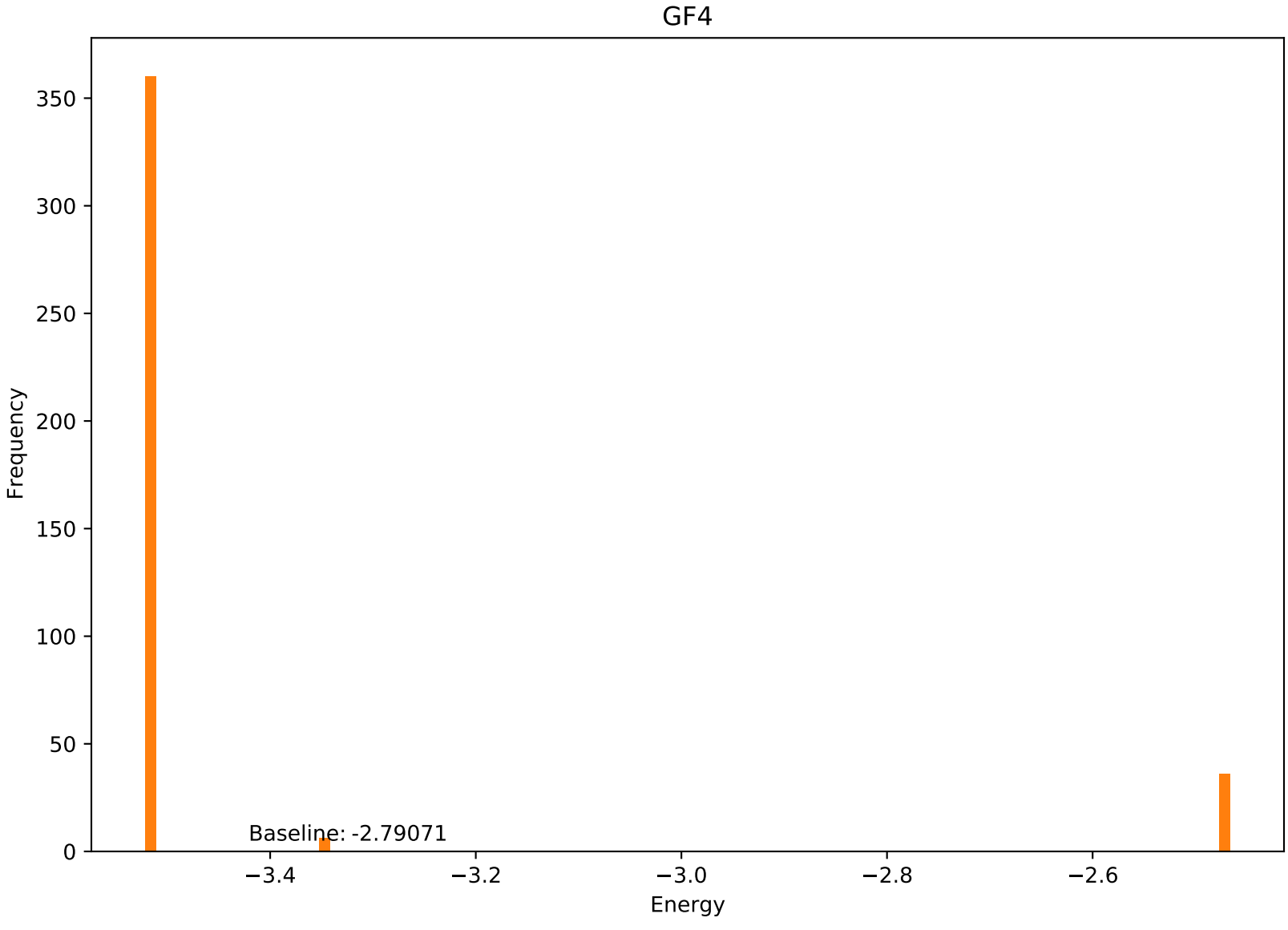

GC9
Frequency
0
5
10
15
20
25
−10
−8
−6
−4
−2
Energy
1e−10−1.616e−6

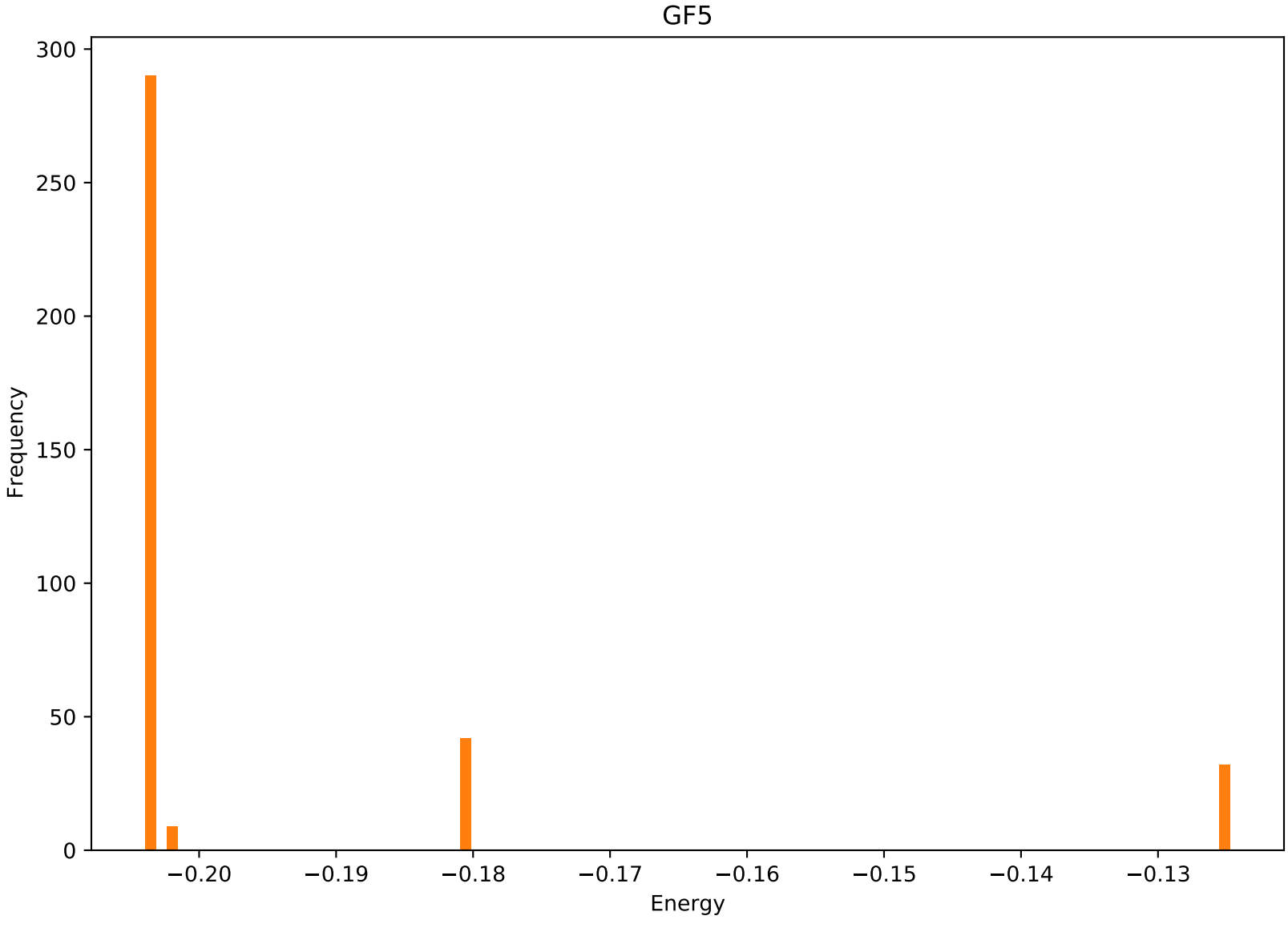

GF1
Frequency
Energy
0
50
100
150
200
250
300
350
1.85
1.90
1.95
2.00
2.05
2.10
2.15
2.20

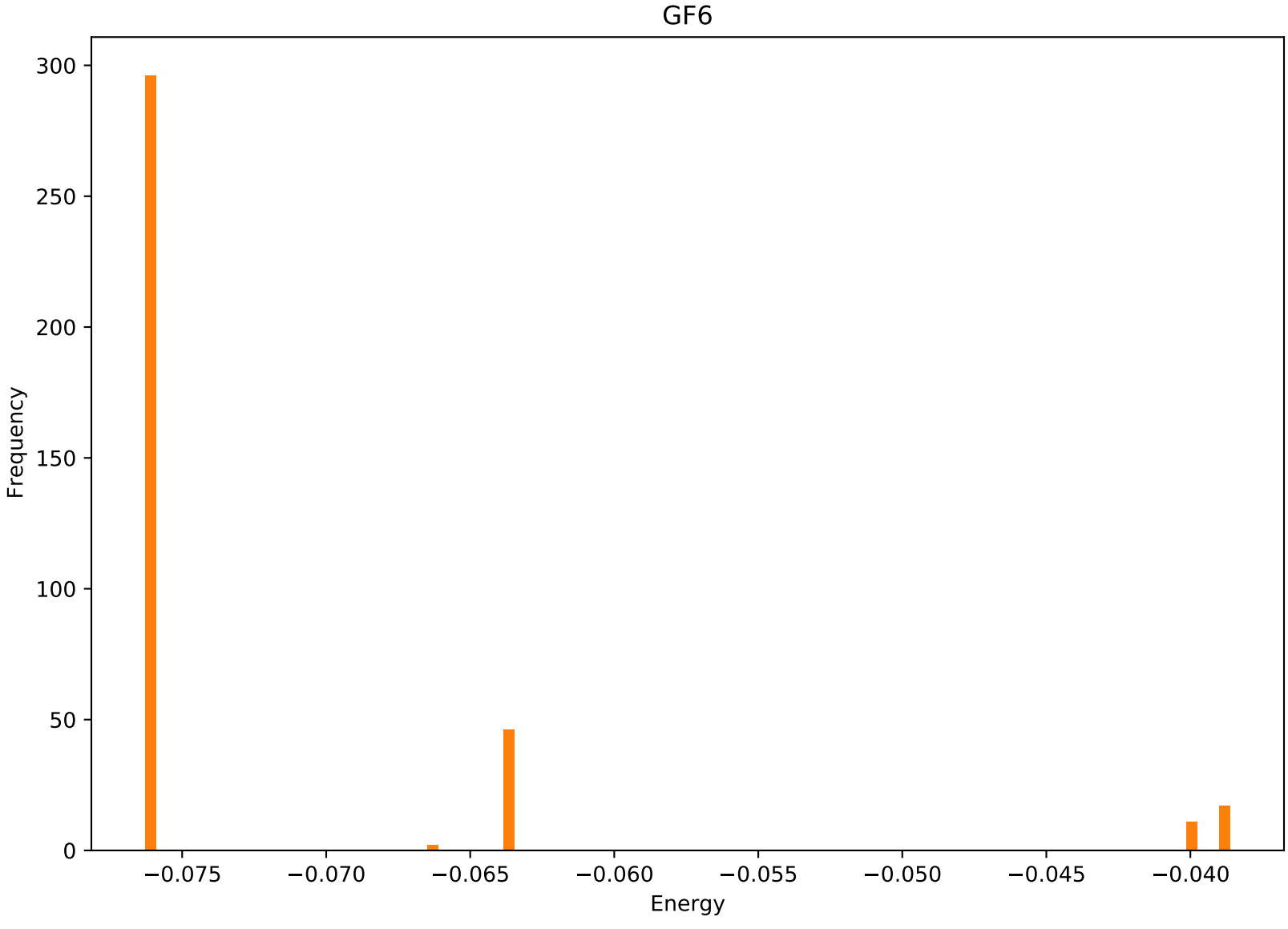

GF10
Frequency
175
150
125
100
75
50
25
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

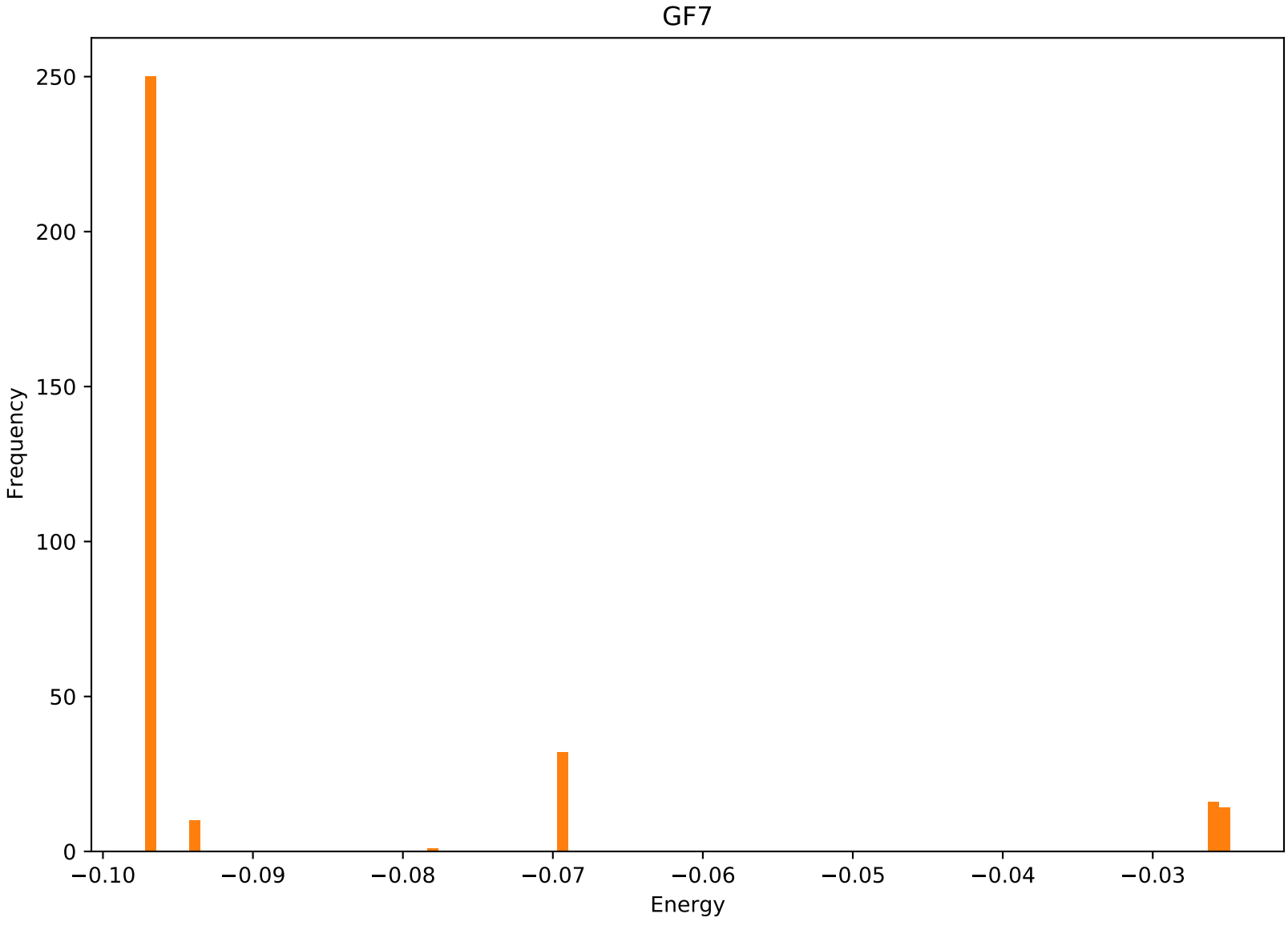

GF2
Frequency
Energy
350
300
250
200
150
100
50
0
−0.94
−0.92
−0.90
−0.88
−0.86

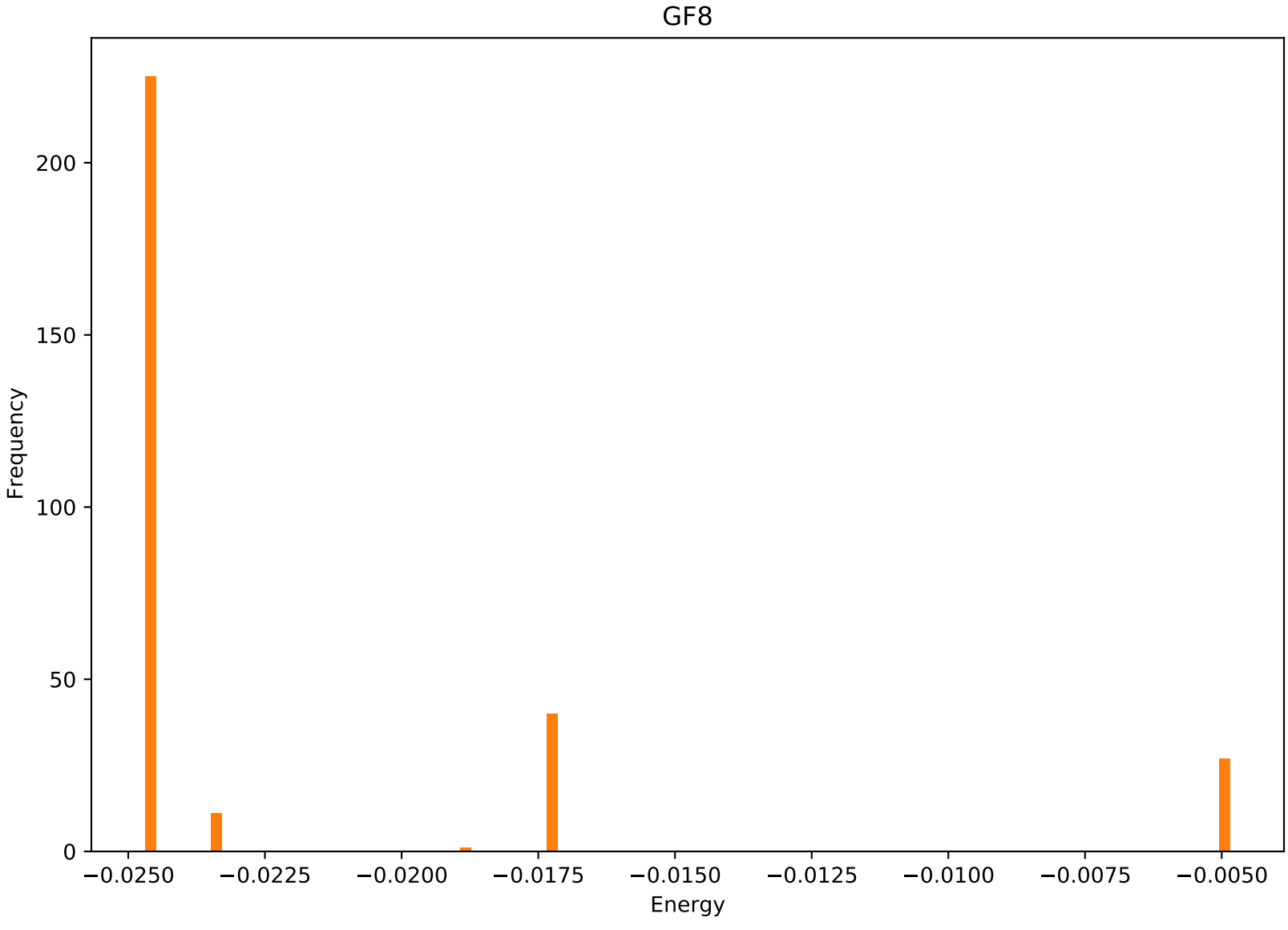

GF3
Frequency
300
250
200
150
100
50
0
Baseline: -1.6474
−2.4
−2.2
−2.0
−1.8
−1.6
Energy

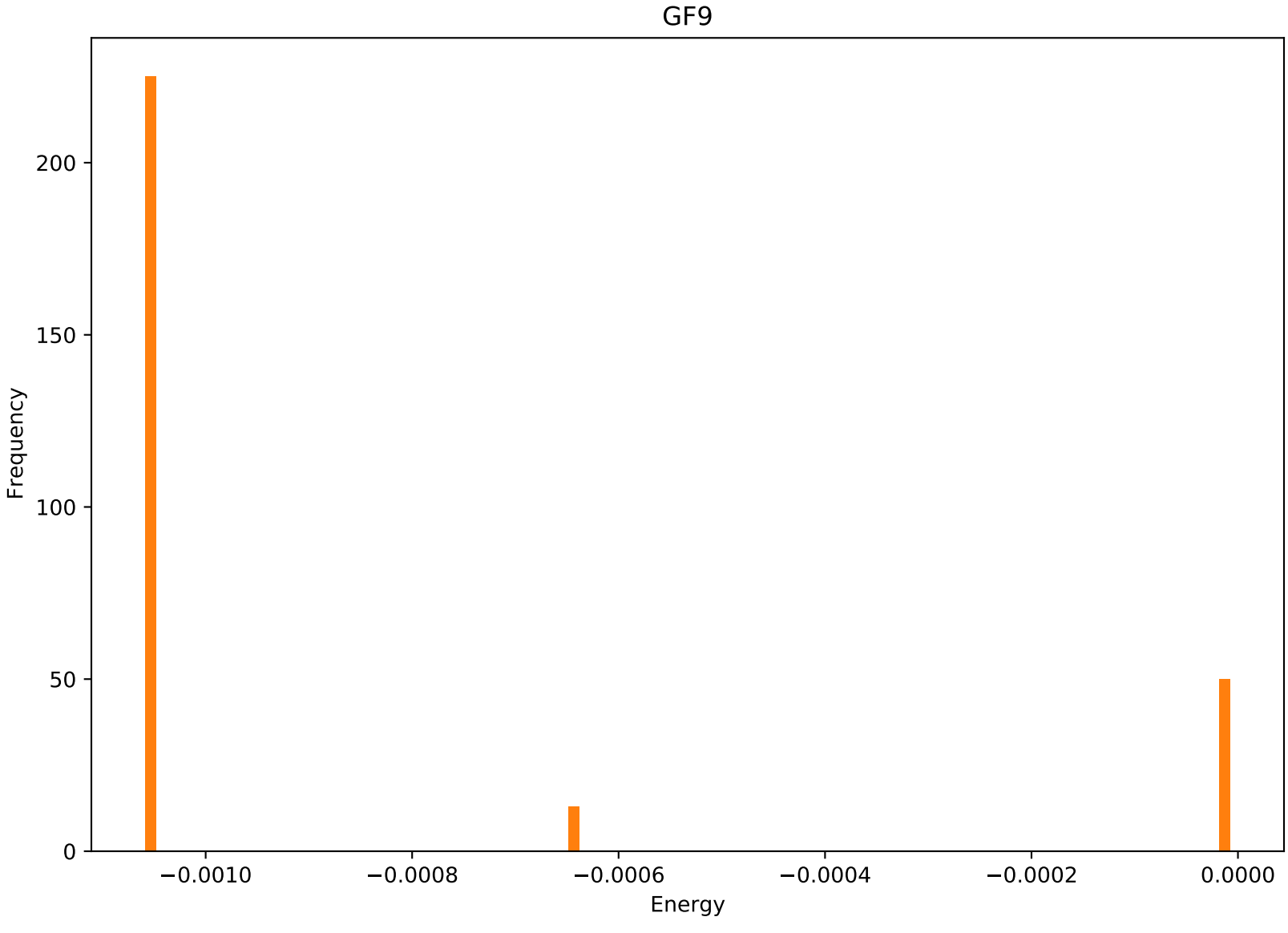

GF4
Frequency
350
300
250
200
150
100
50
0
Baseline: -2.79071
−3.4
−3.2
−3.0
−2.8
−2.6
Energy

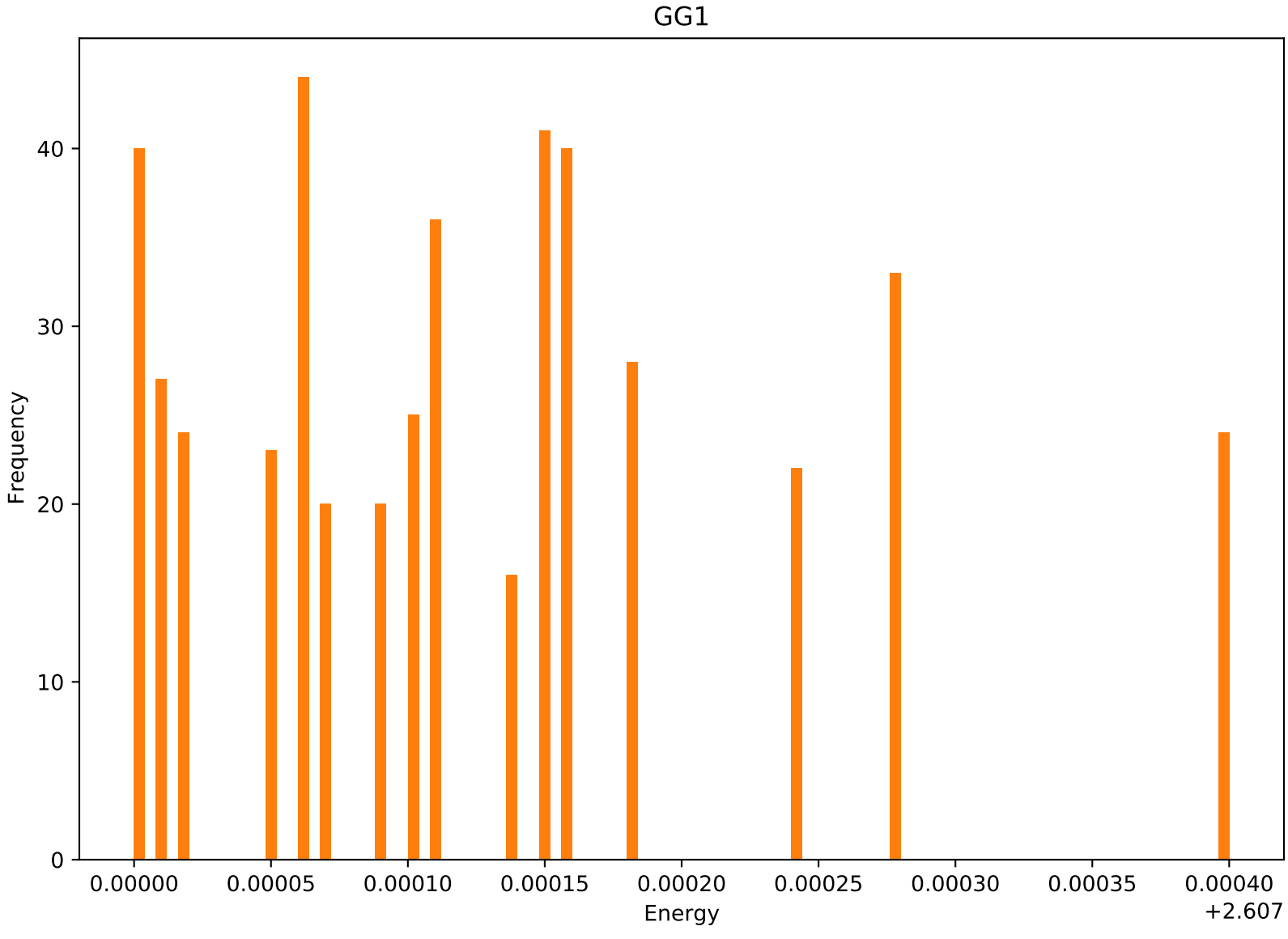

GF5
300
250
200
150
100
50
0
Frequency
−0.20
−0.19
−0.18
−0.17
−0.16
−0.15
−0.14
−0.13
Energy

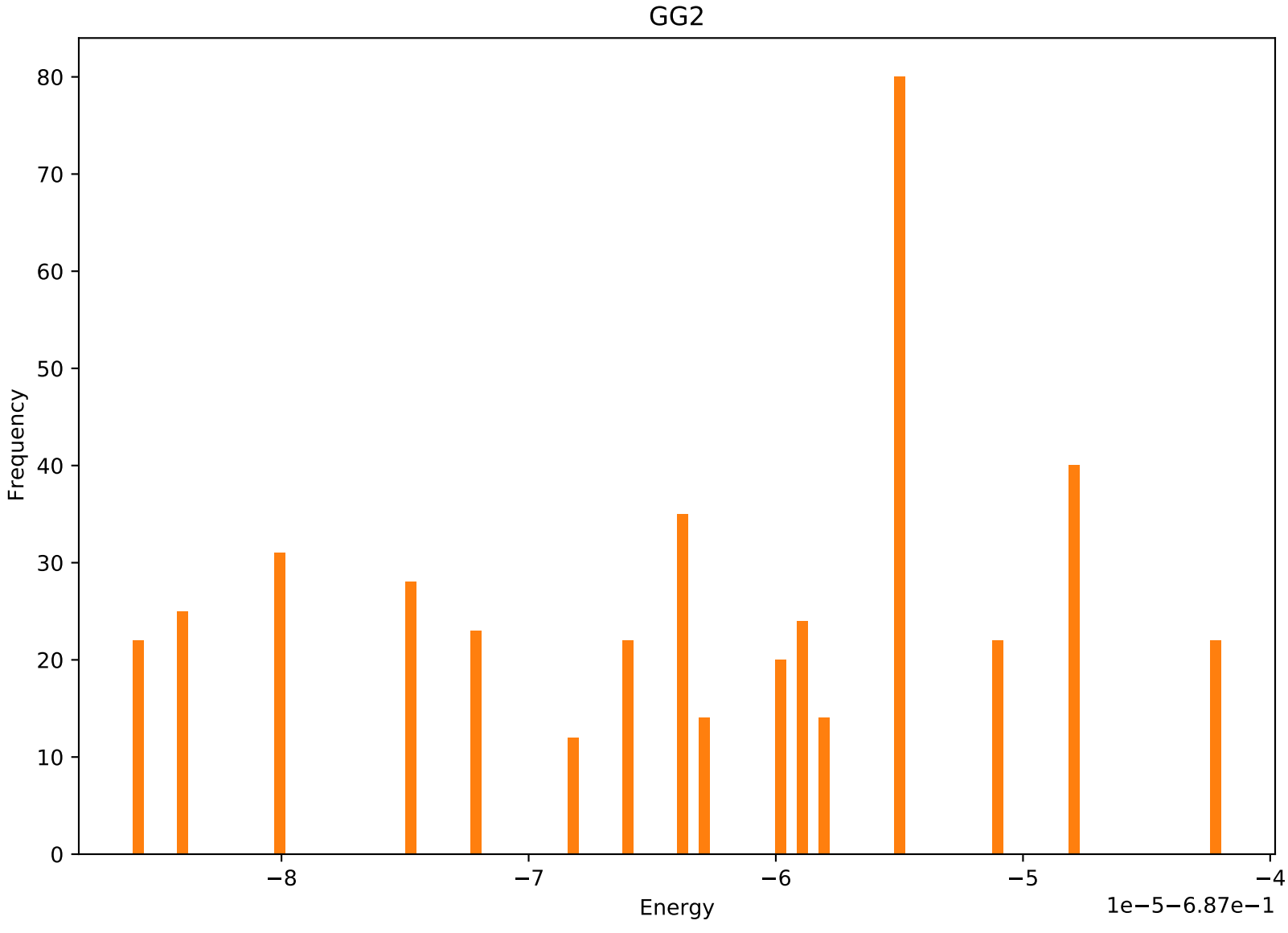

GF6
300
250
200
150
100
50
0
Frequency
−0.075
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

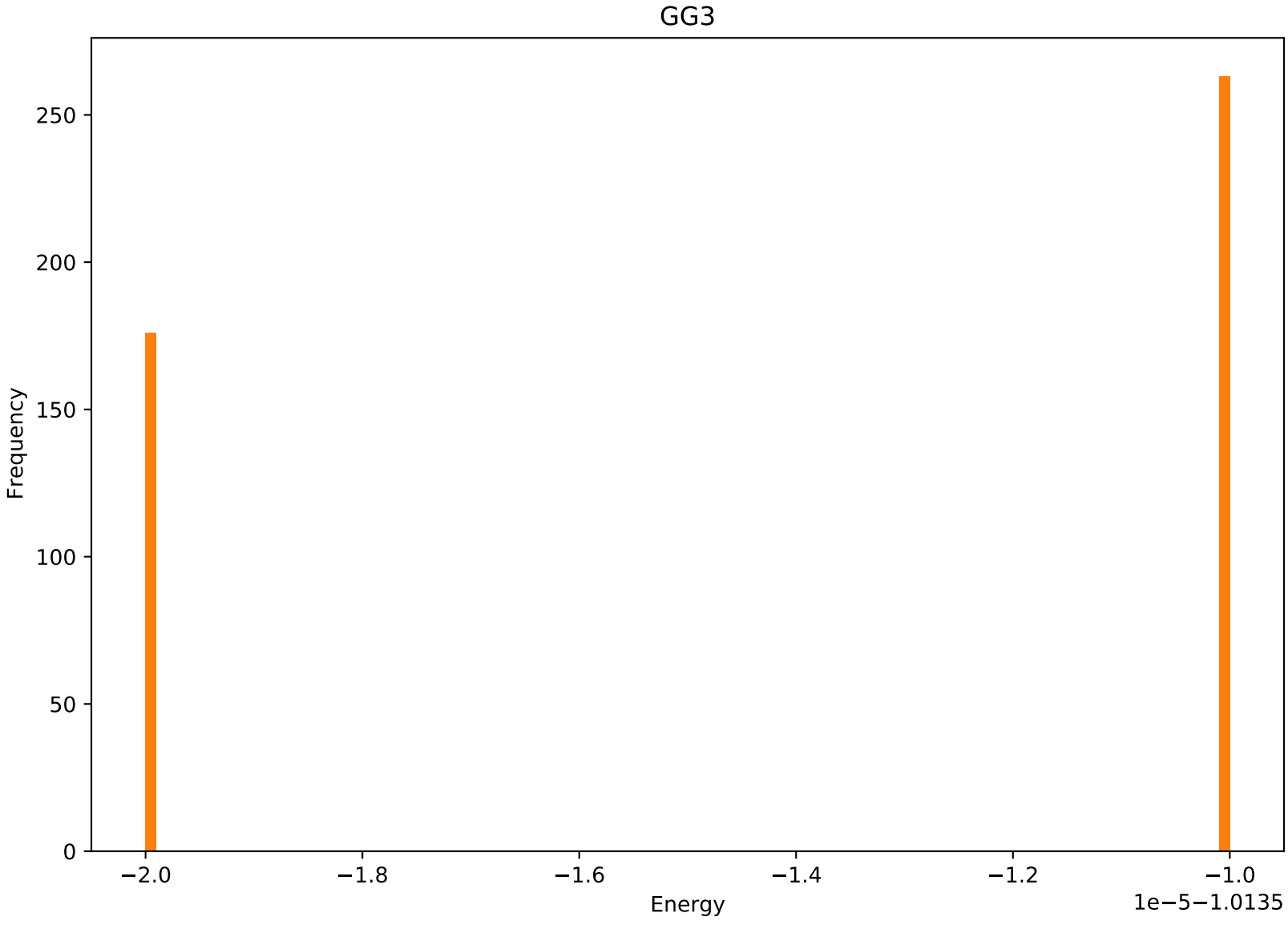

GF7
250
200
150
100
50
0
Frequency
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03
Energy

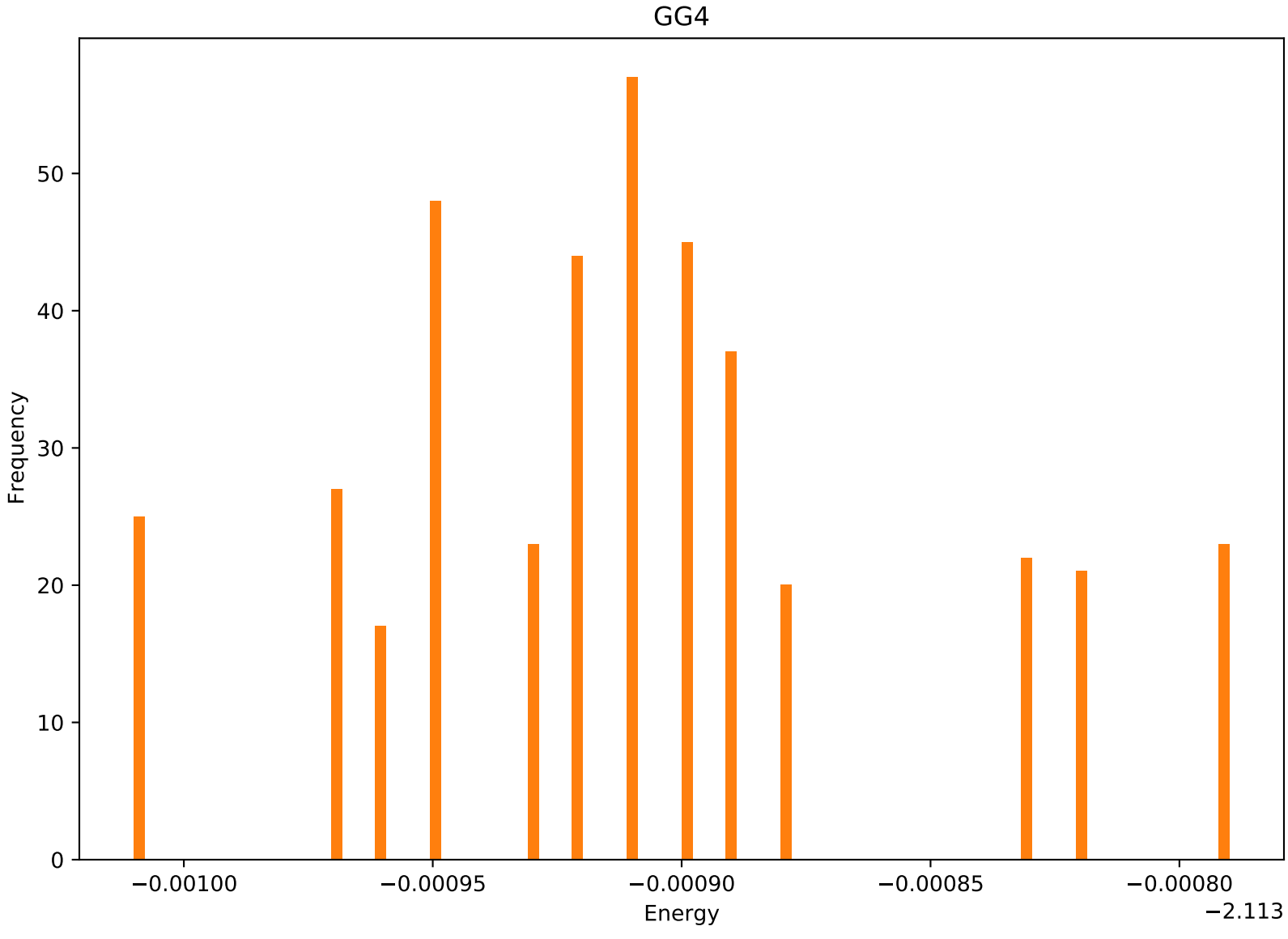

GF8
Frequency
200
150
100
50
0
−0.0250
−0.0225
−0.0200
−0.0175
−0.0150
−0.0125
−0.0100
−0.0075
−0.0050
Energy

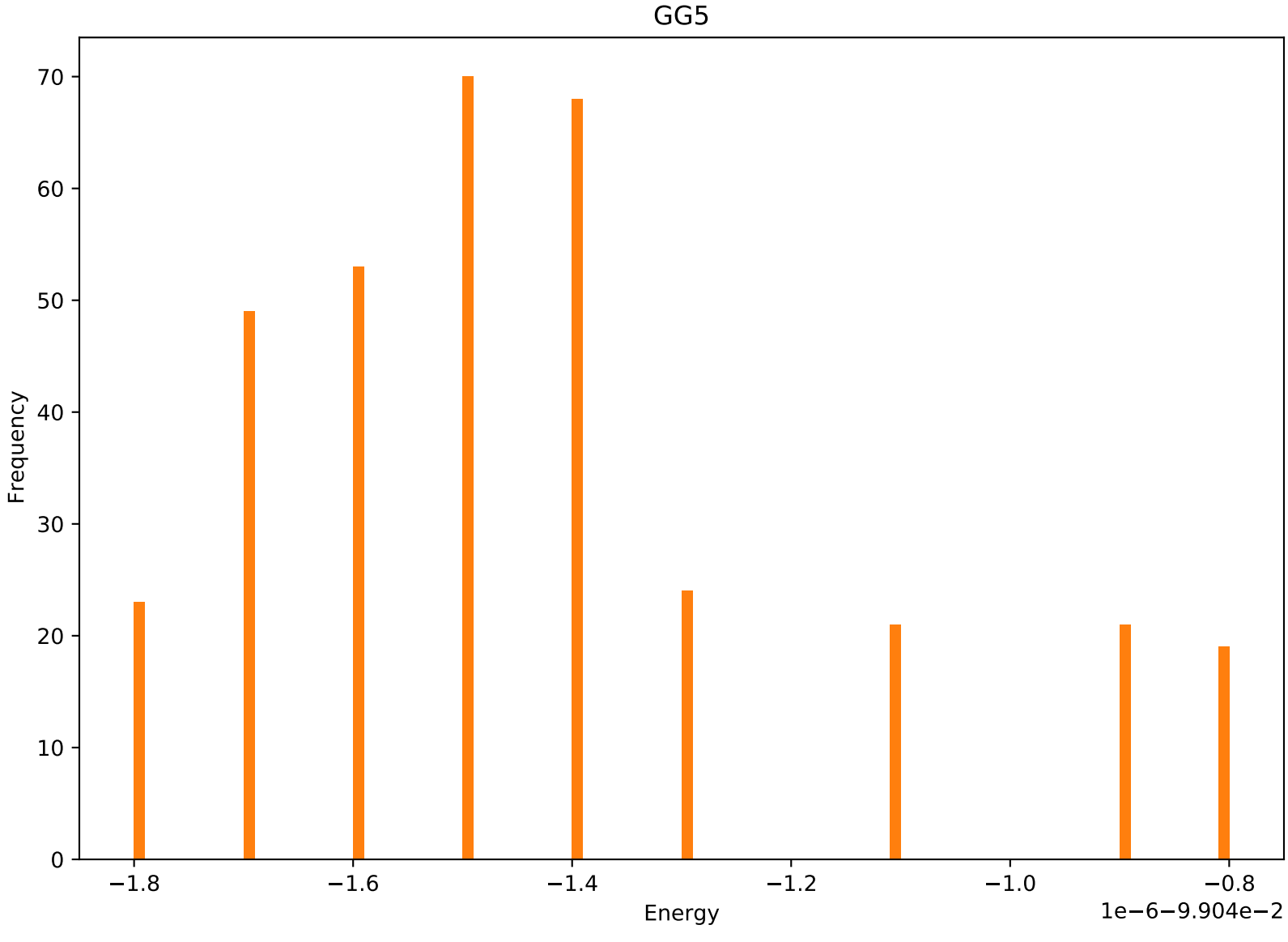

GF9
200
150
100
50
0
Frequency
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

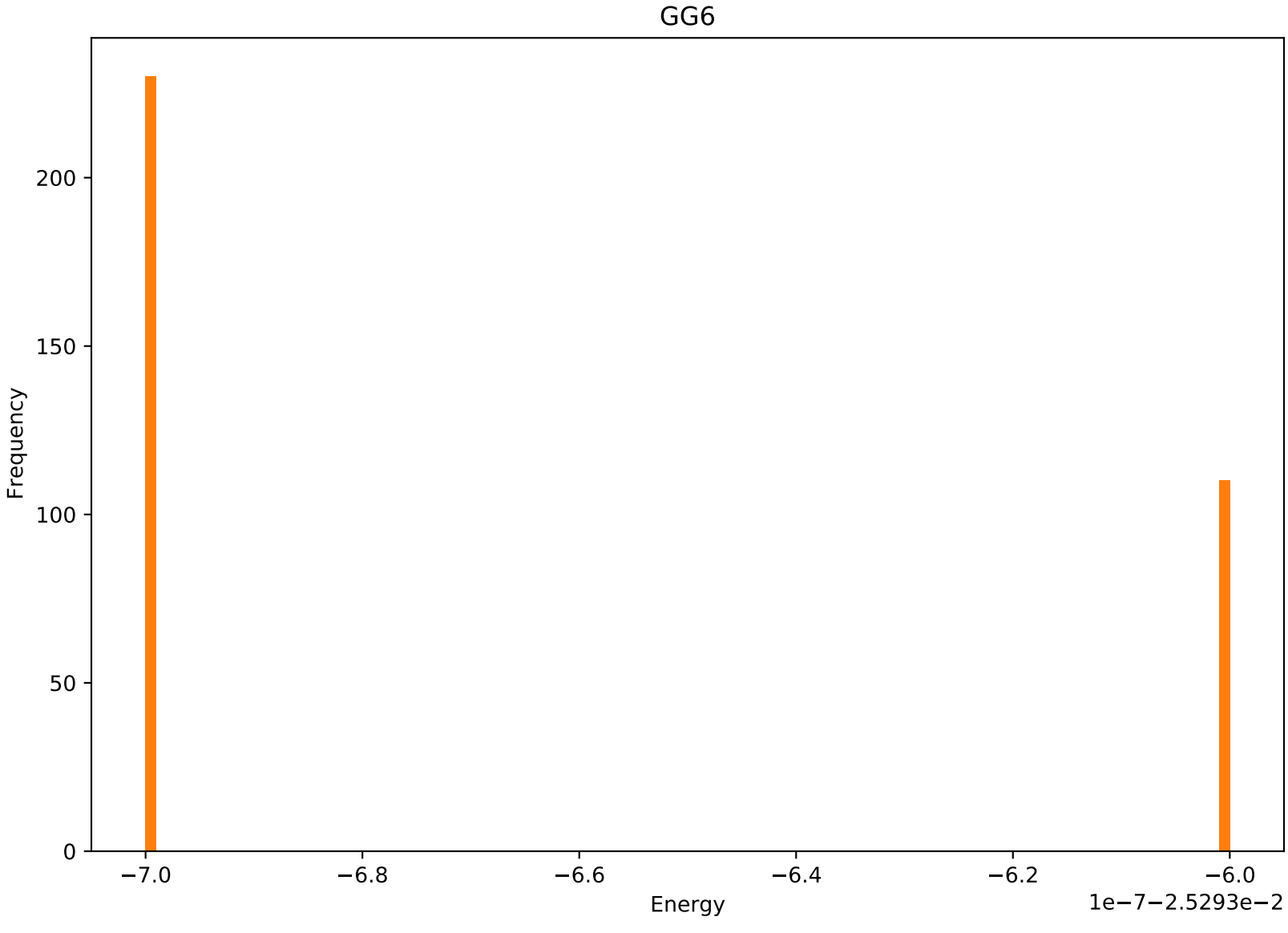

GG1
Frequency
0
10
20
30
40
0.00000
0.00005
0.00010
0.00015
0.00020
0.00025
0.00030
0.00035
0.00040
Energy
+2.607

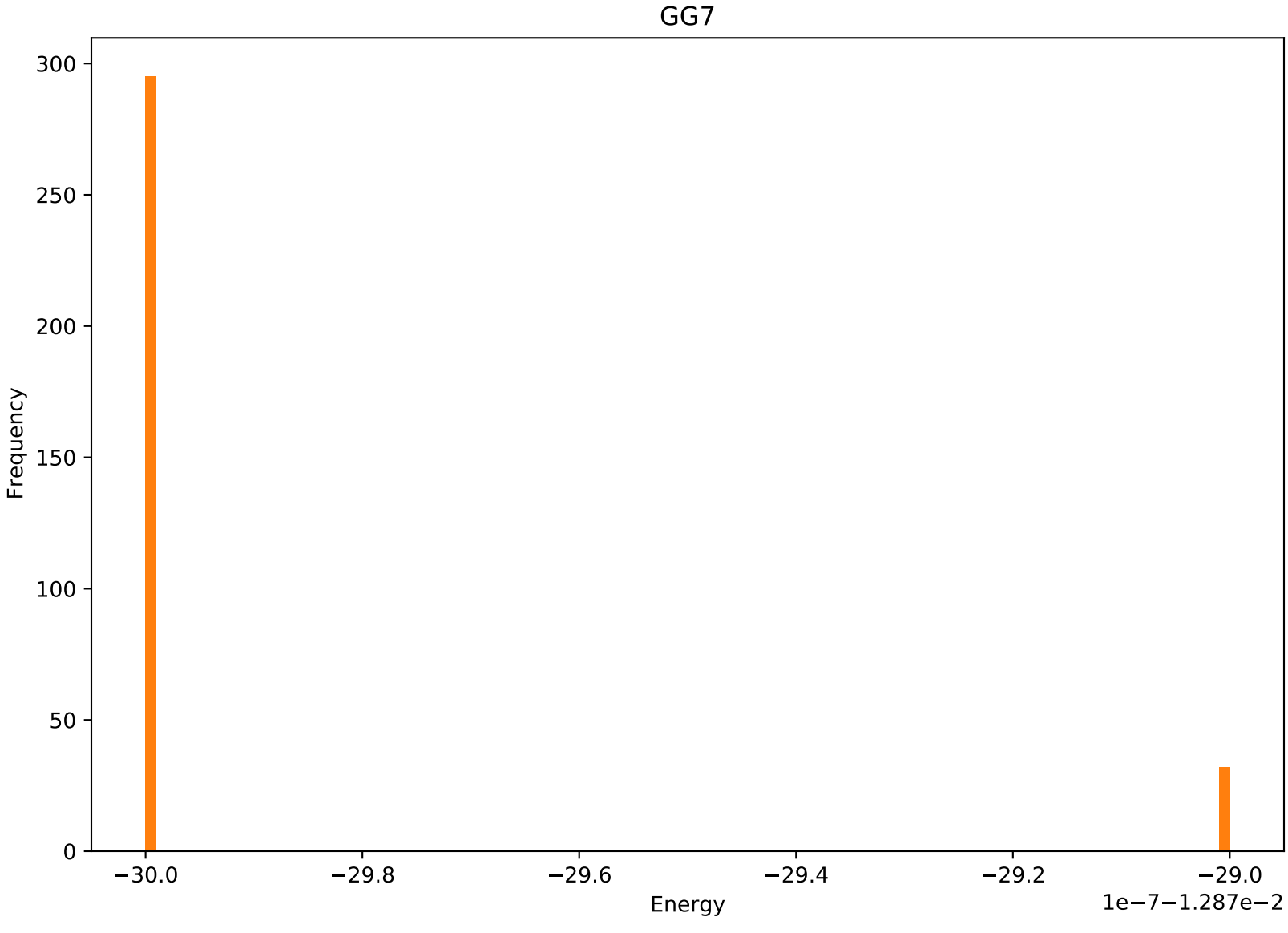

GG2
Frequency
0
10
20
30
40
50
60
70
80
−8
−7
−6
−5
−4
Energy
1e−5−6.87e−1

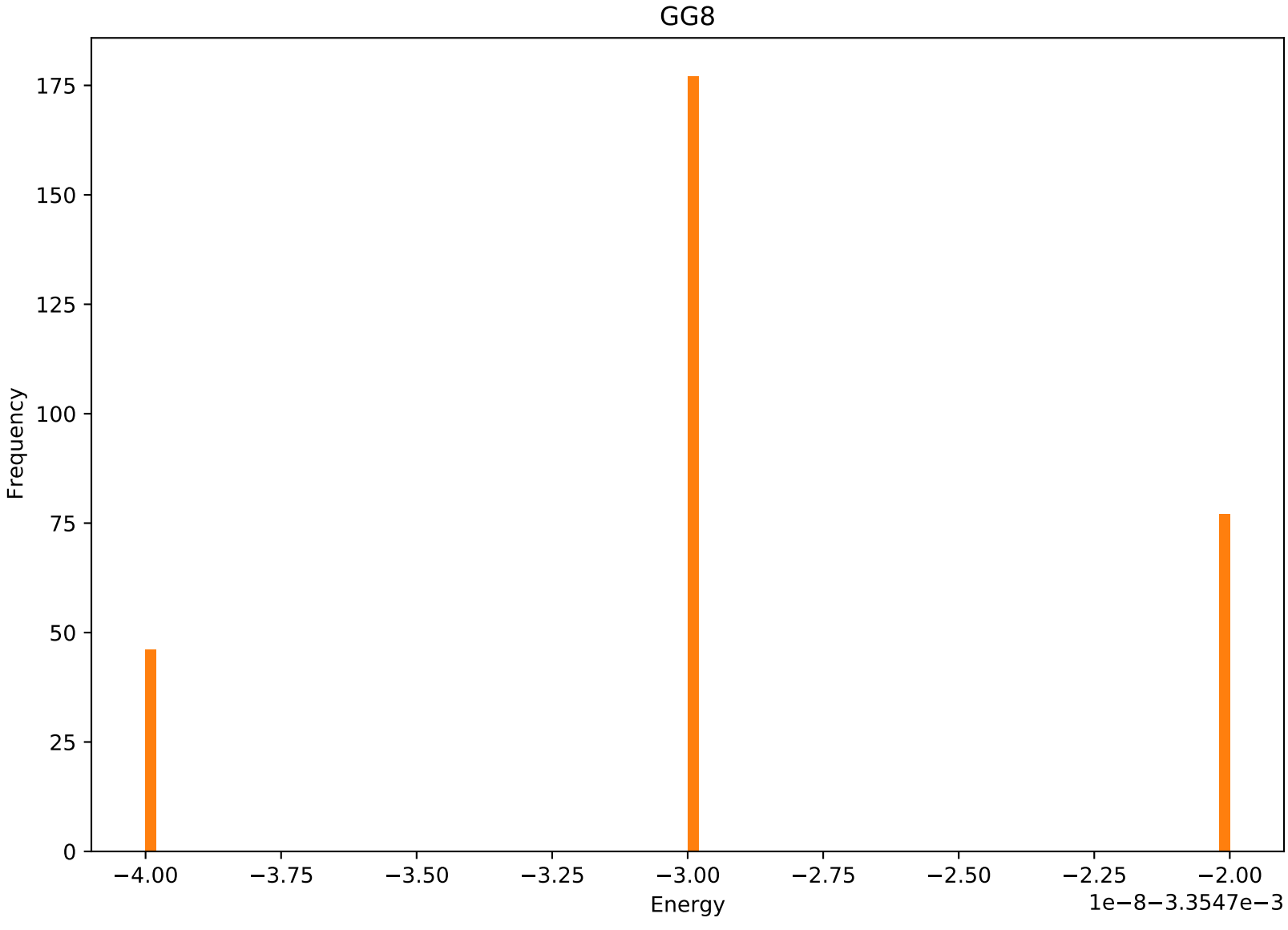

GG3
250
200
150
100
50
0
Frequency
−2.0
−1.8
−1.6
−1.4
−1.2
−1.0
Energy
1e−5−1.0135

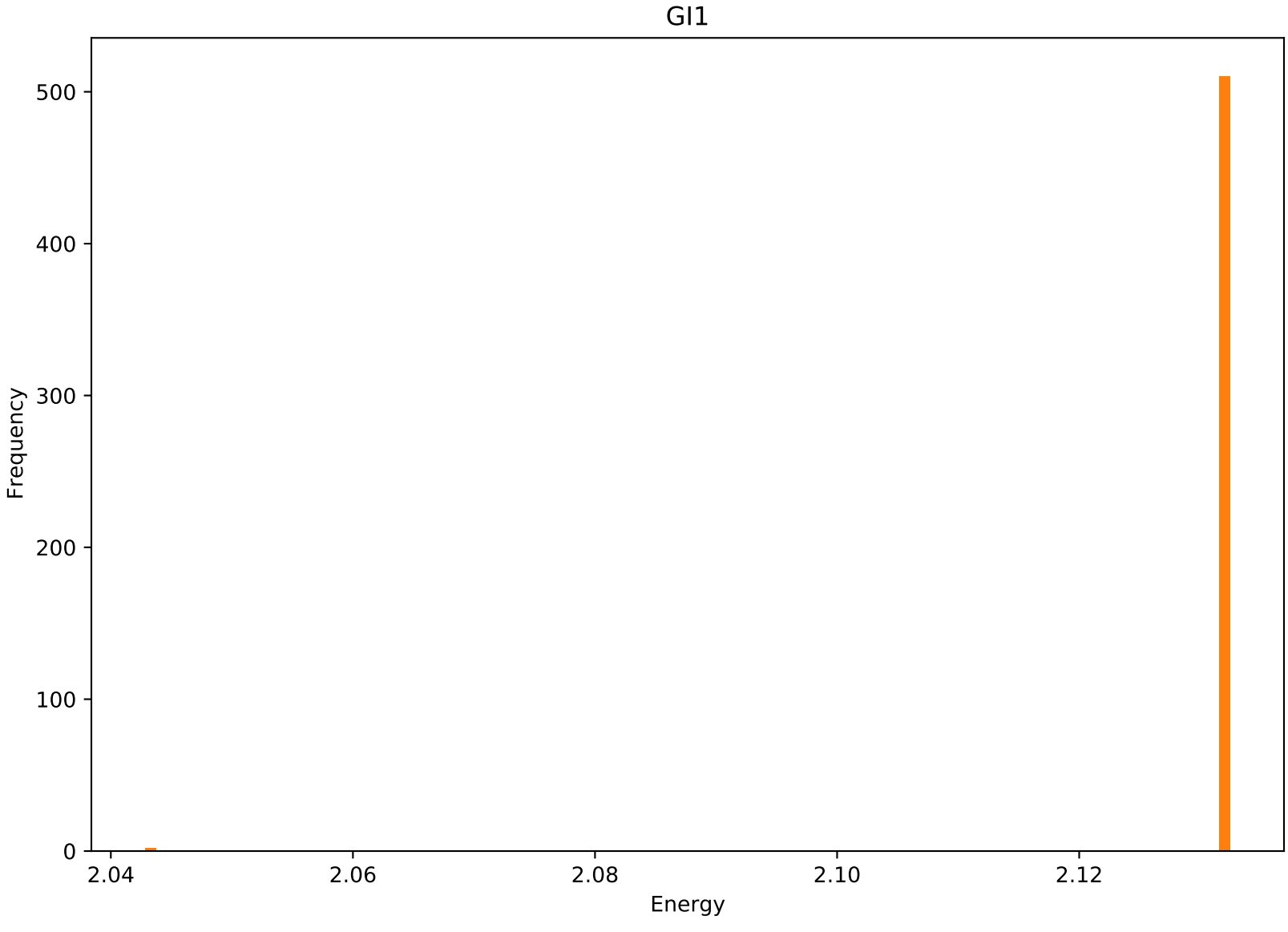

GG4
Frequency
0
10
20
30
40
50
−0.00100
−0.00095
−0.00090
−0.00085
−0.00080
Energy
−2.113

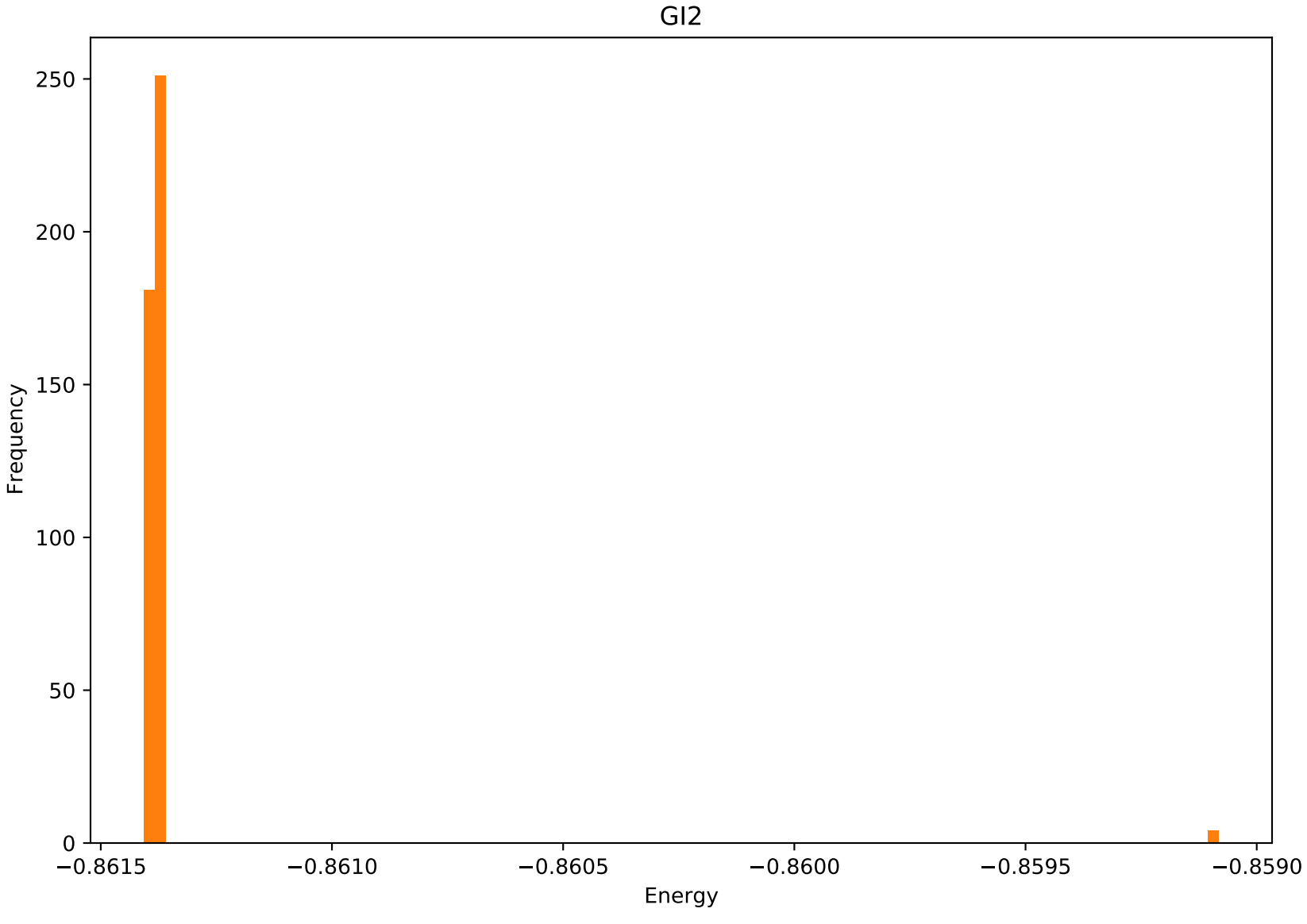

GG5
Frequency
70
60
50
40
30
20
10
0
−1.8
−1.6
−1.4
−1.2
−1.0
−0.8
Energy
1e−6−9.904e−2

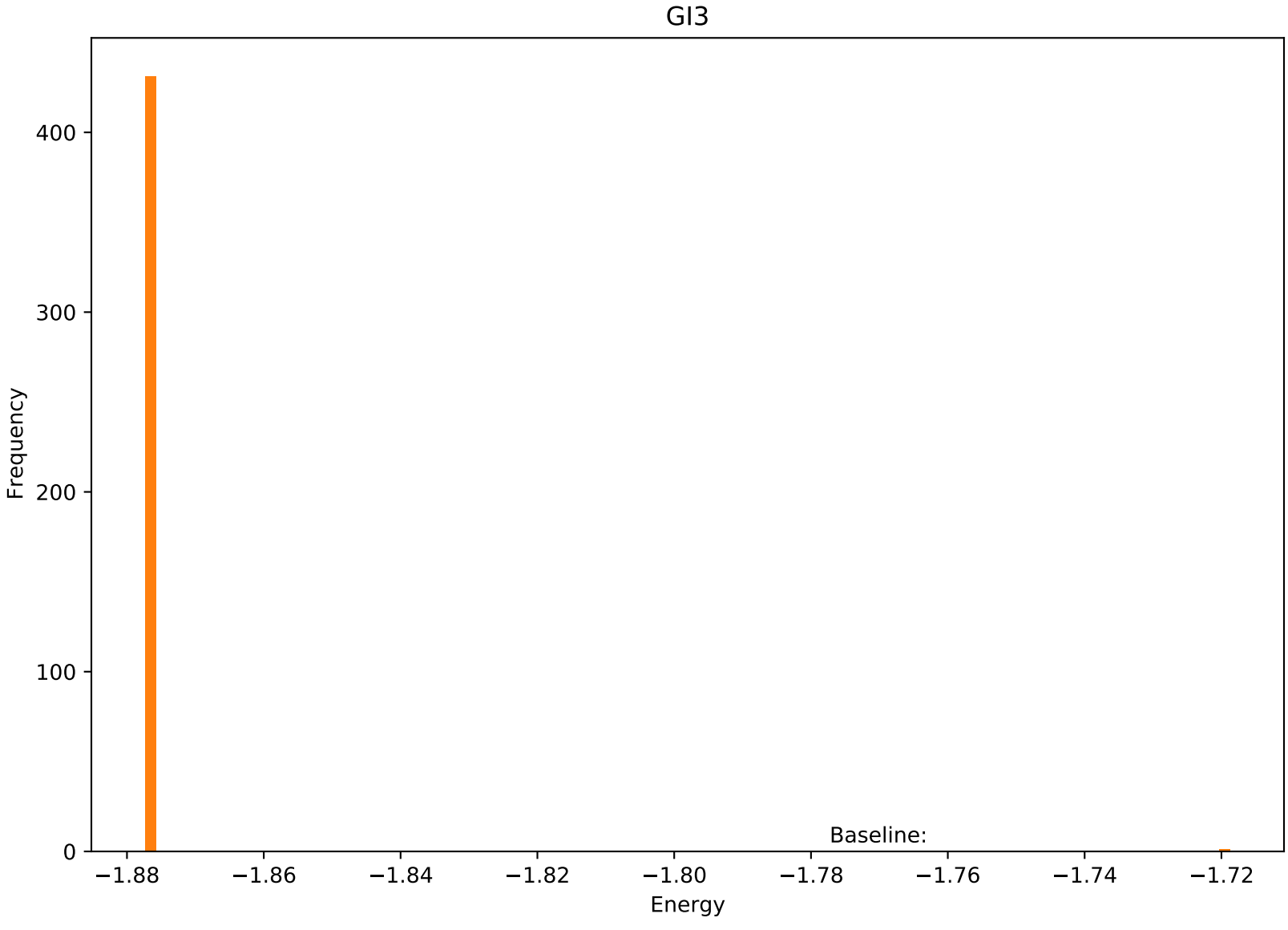

GG6
Frequency
200
150
100
50
0
−7.0
−6.8
−6.6
−6.4
−6.2
−6.0
Energy
1e−7−2.5293e−2

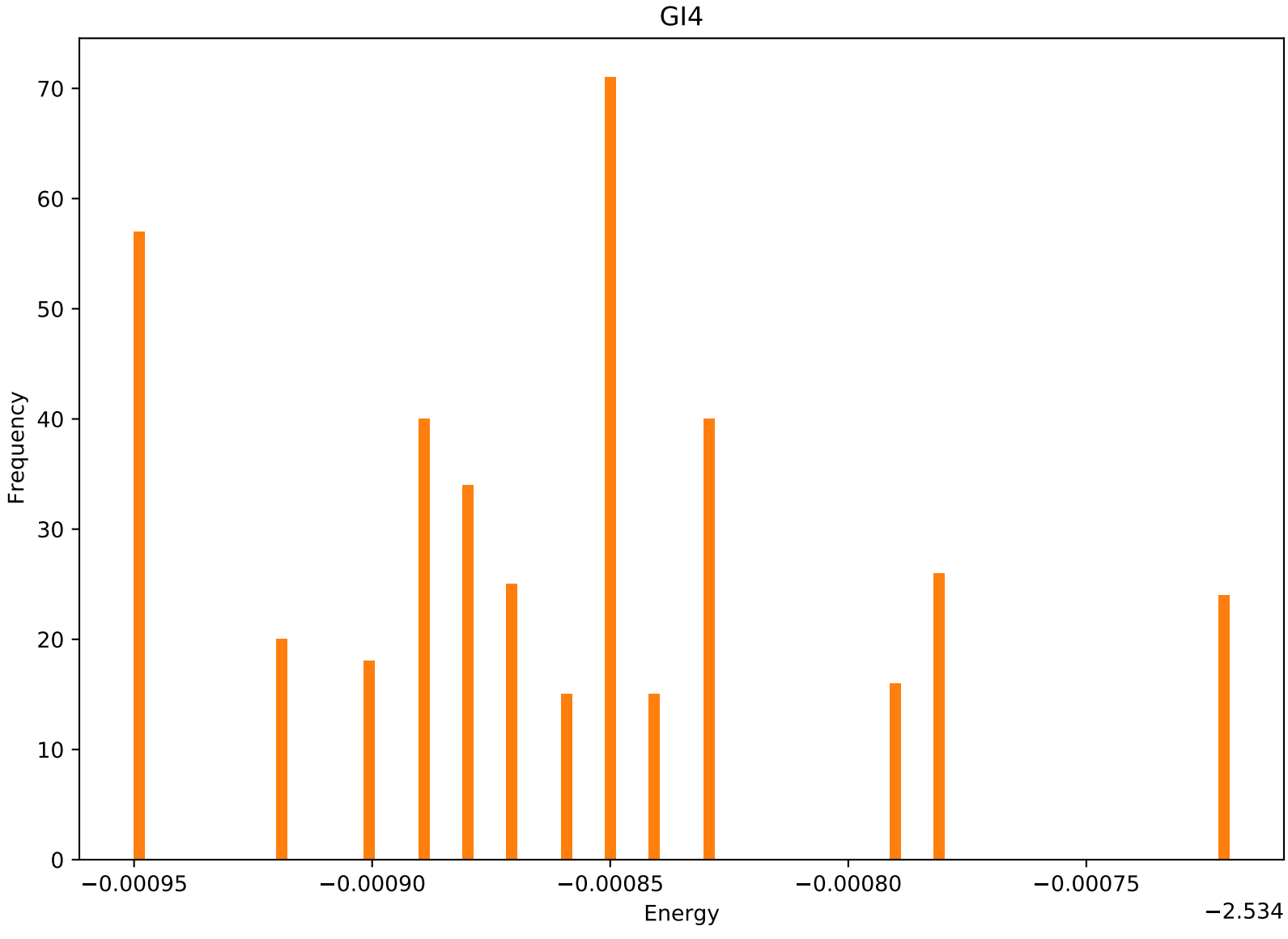

GG7
300
250
200
150
100
50
0
Frequency
−30.0
−29.8
−29.6
−29.4
−29.2
−29.0
Energy
1e−7−1.287e−2

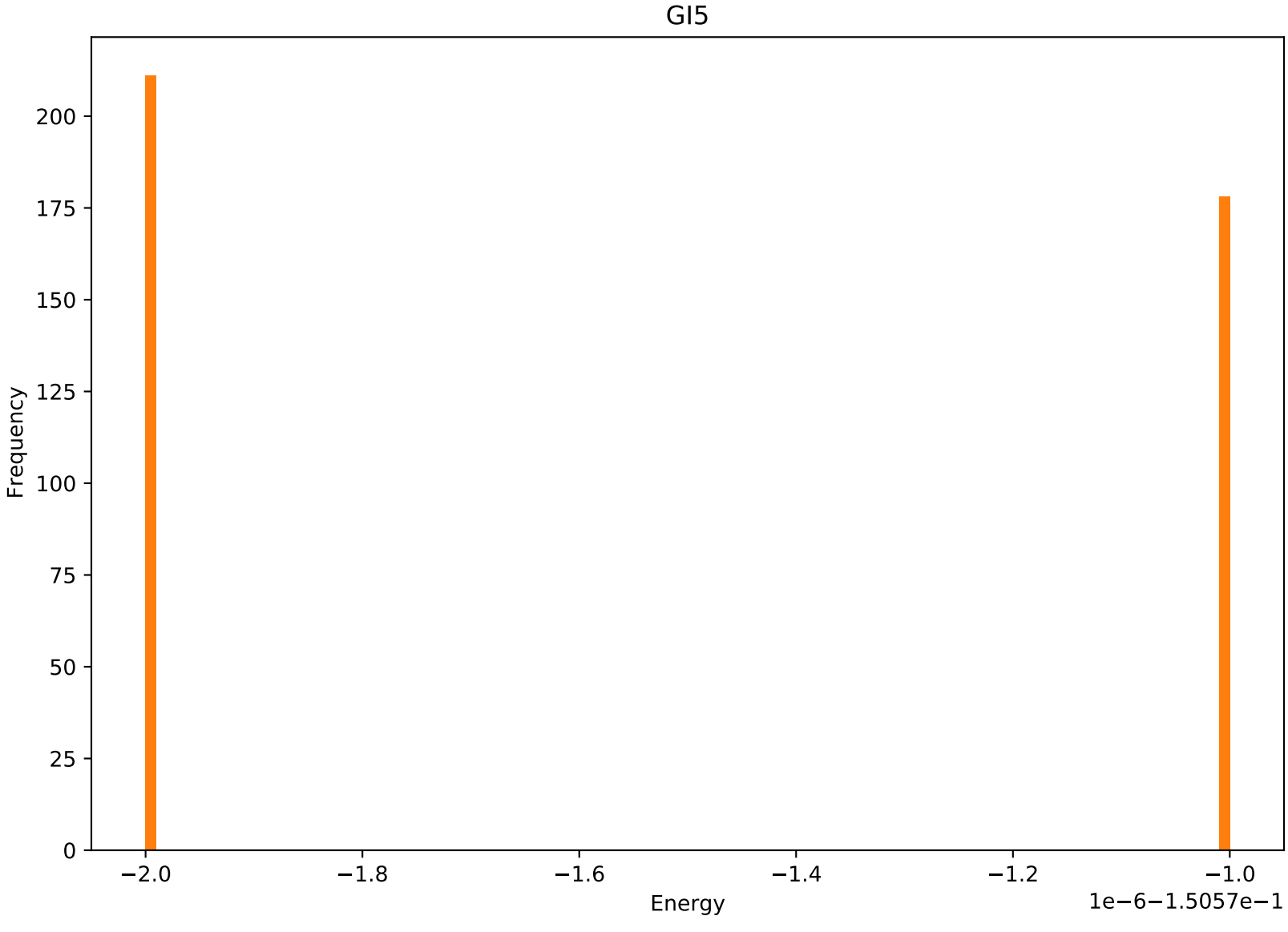

GG8
Frequency
175
150
125
100
75
50
25
0
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
Energy
1e−8−3.3547e−3

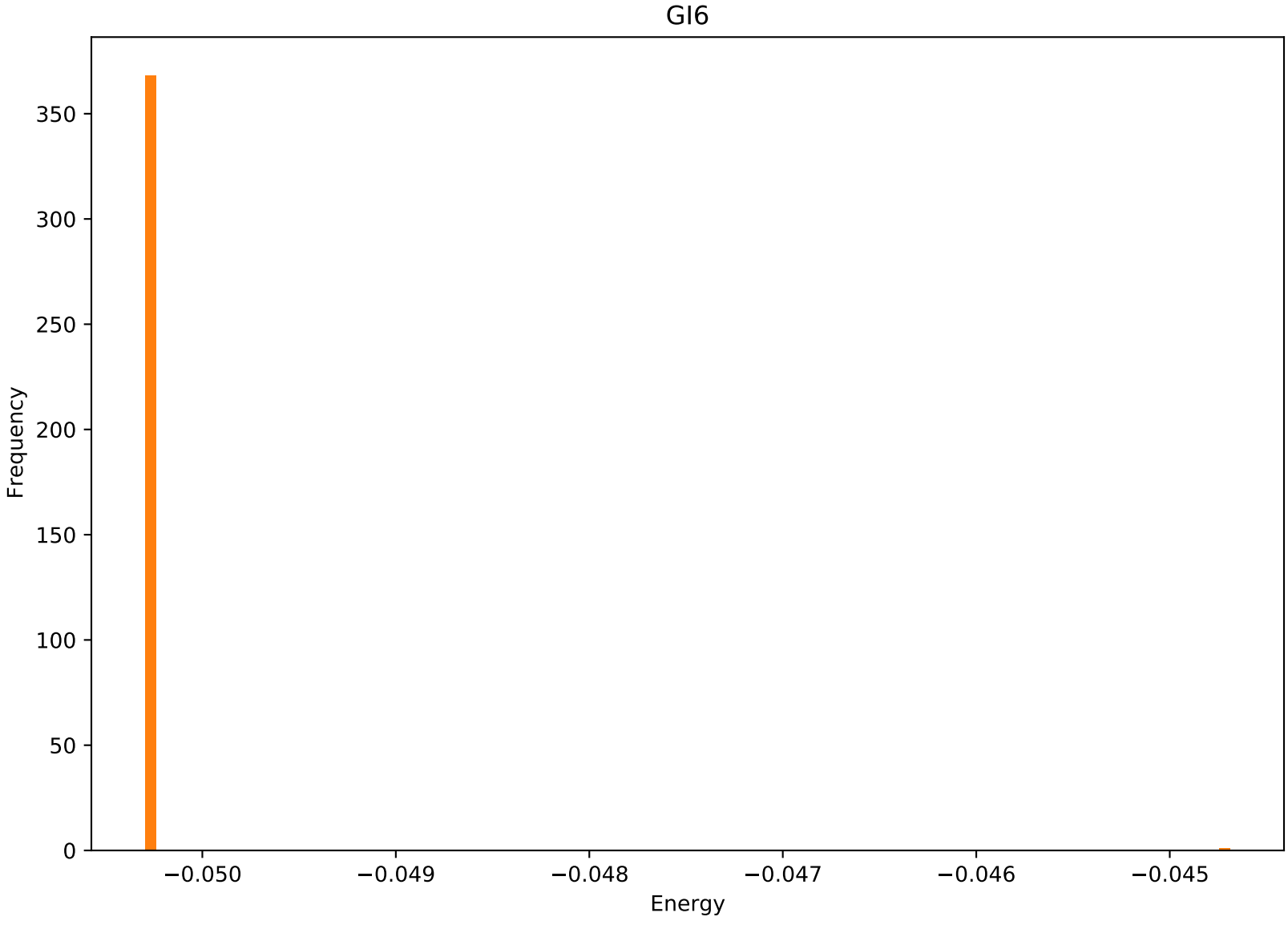

GI1
Frequency
500
400
300
200
100
0
2.04
2.06
2.08
2.10
2.12
Energy

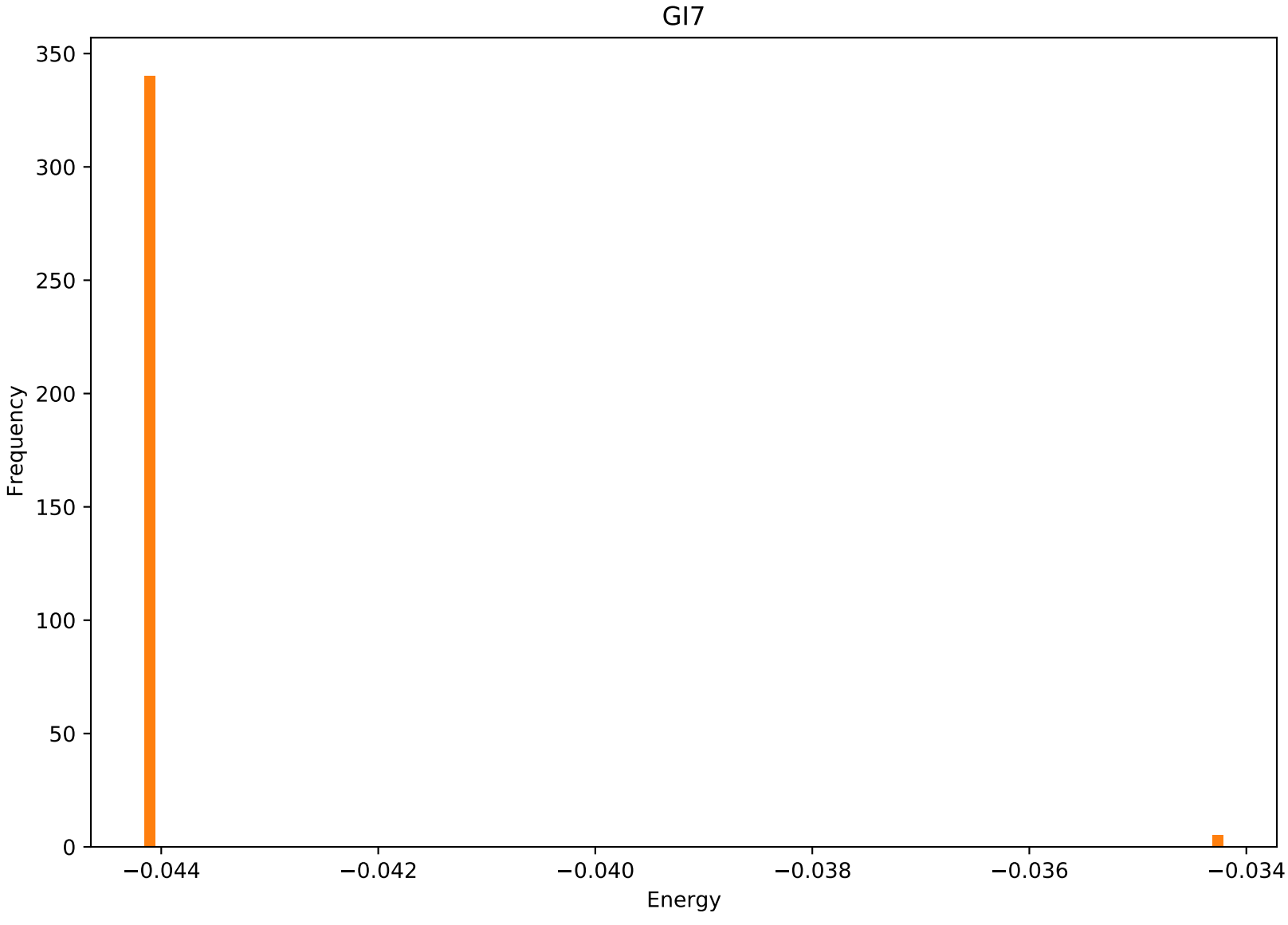

GI2
250
200
150
100
50
0
Frequency
−0.8615
−0.8610
−0.8605
−0.8600
−0.8595
−0.8590
Energy

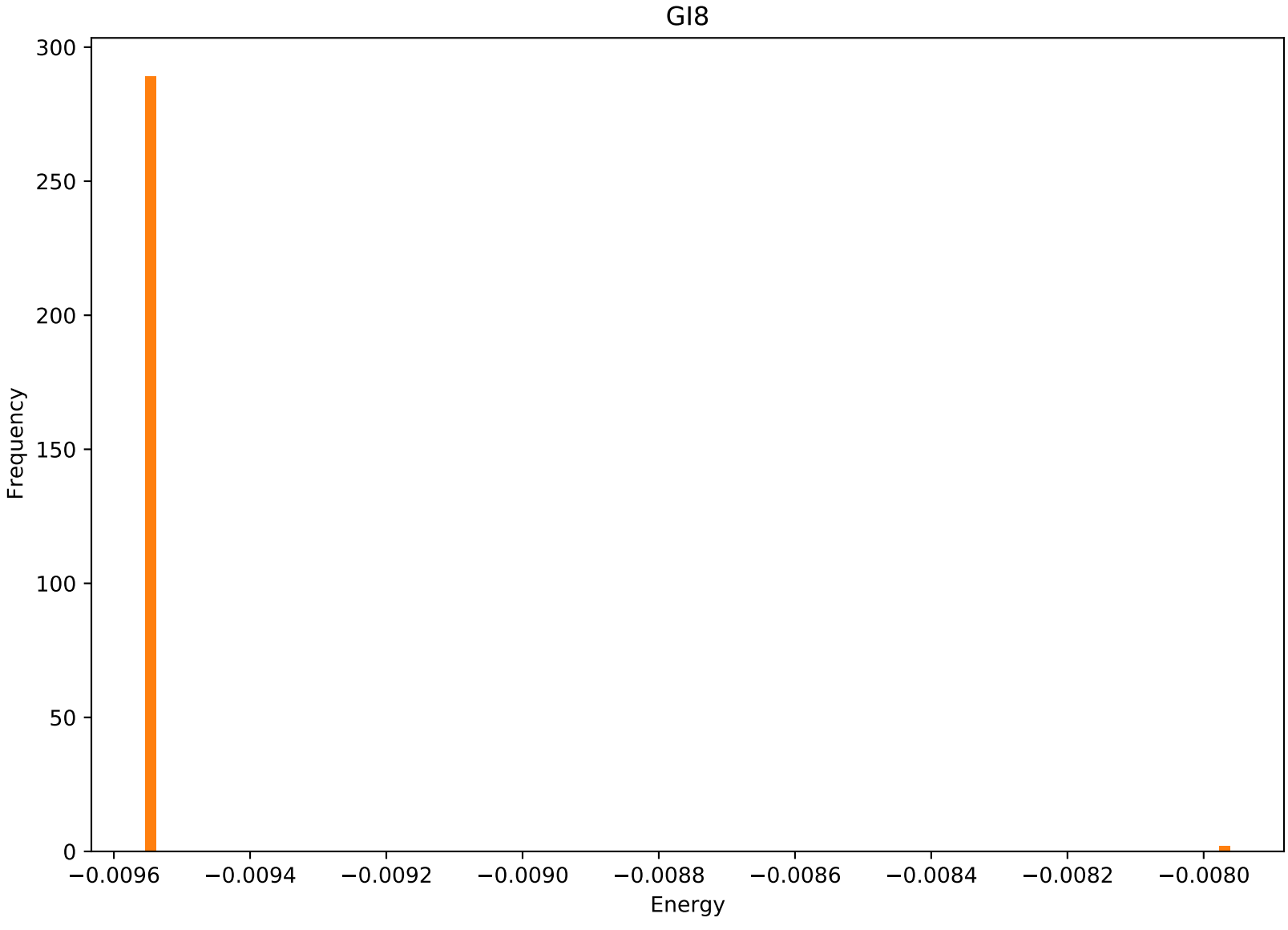

GI3
Frequency
400
300
200
100
0
Baseline:
−1.88
−1.86
−1.84
−1.82
−1.80
−1.78
−1.76
−1.74
−1.72
Energy

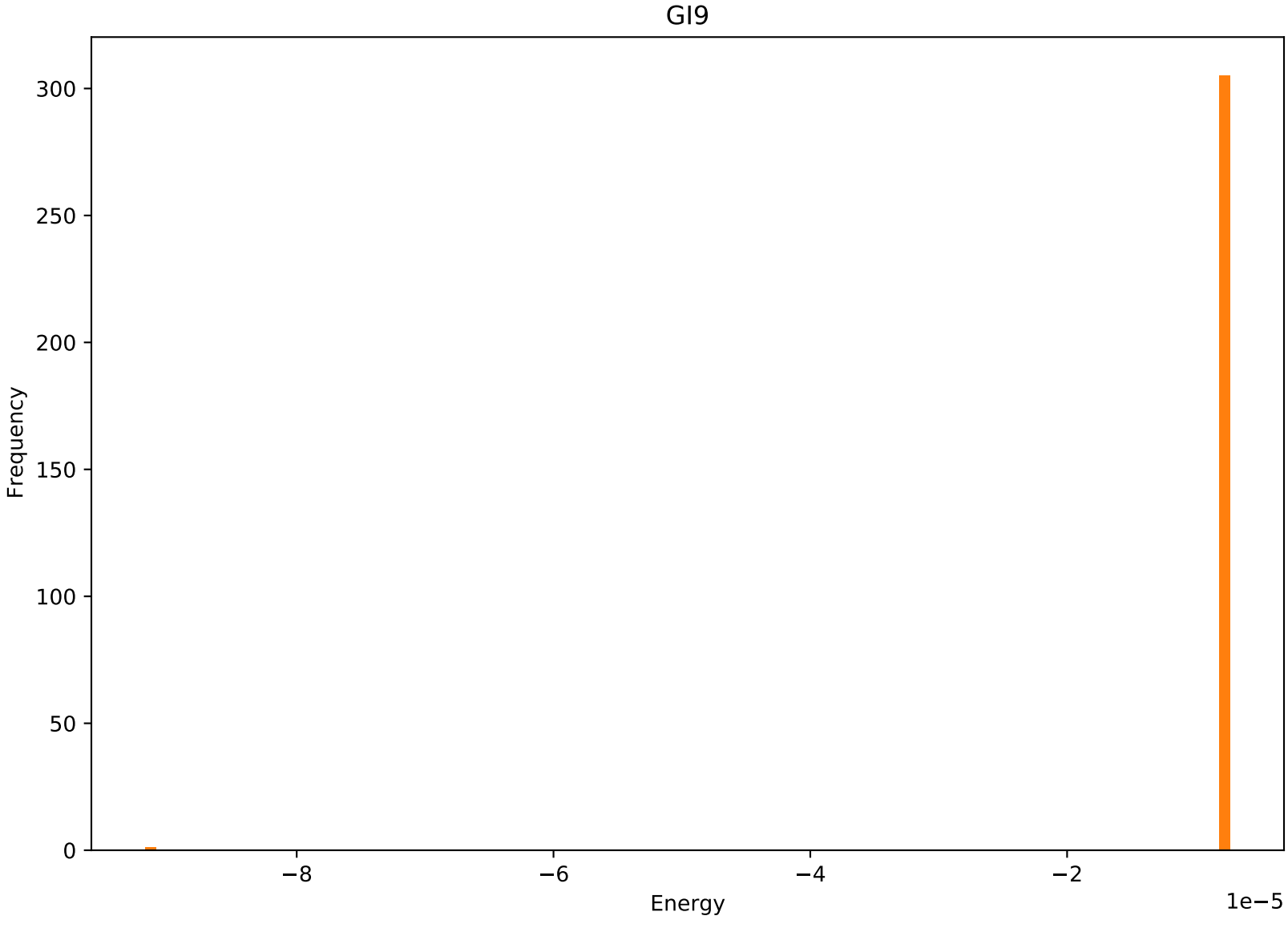

GI4
Frequency
70
60
50
40
30
20
10
0
−0.00095
−0.00090
−0.00085
−0.00080
−0.00075
Energy
−2.534

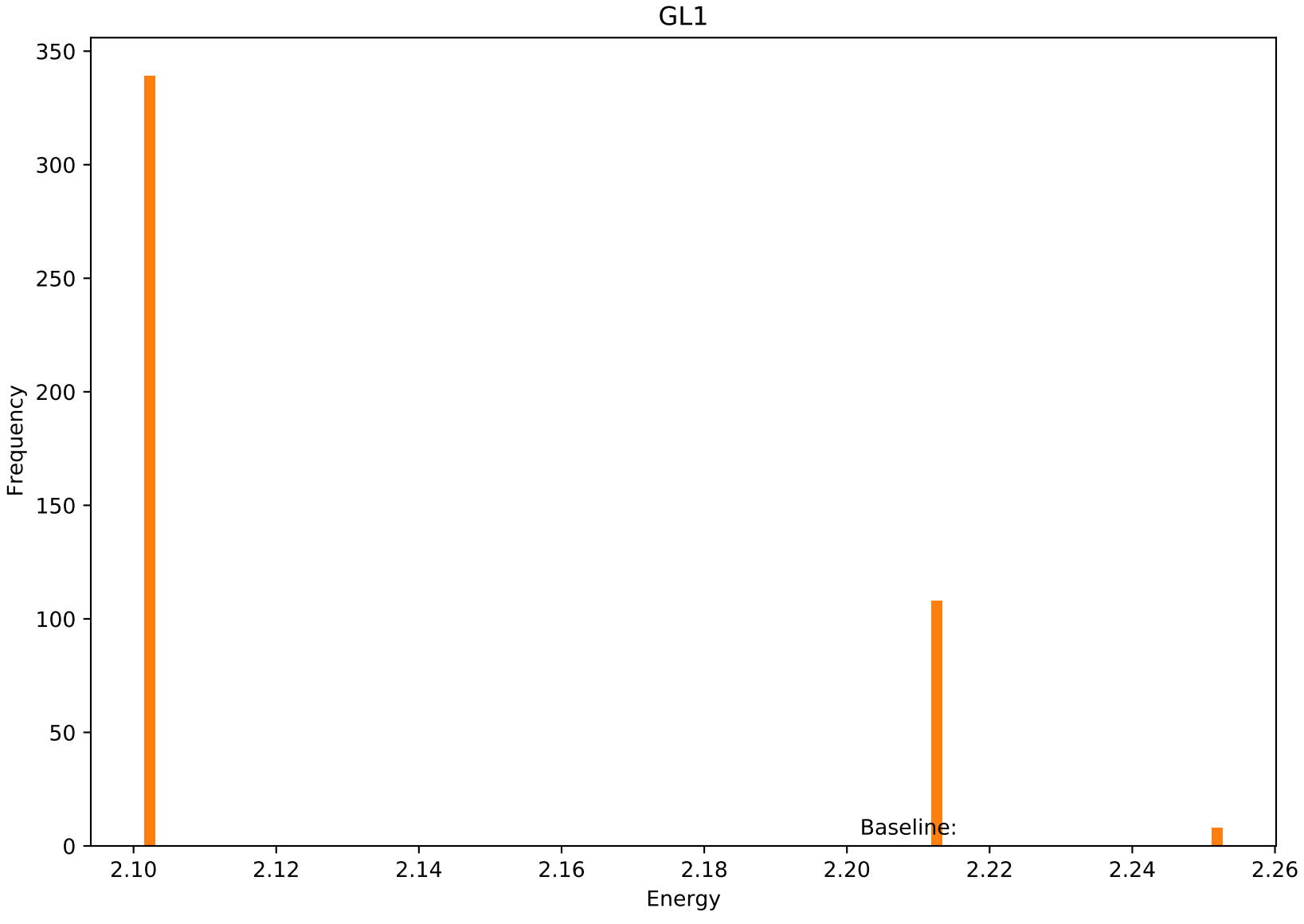

GI5
200
175
150
125
100
75
50
25
0
Frequency
−2.0
−1.8
−1.6
−1.4
−1.2
−1.0
Energy
1e−6−1.5057e−1

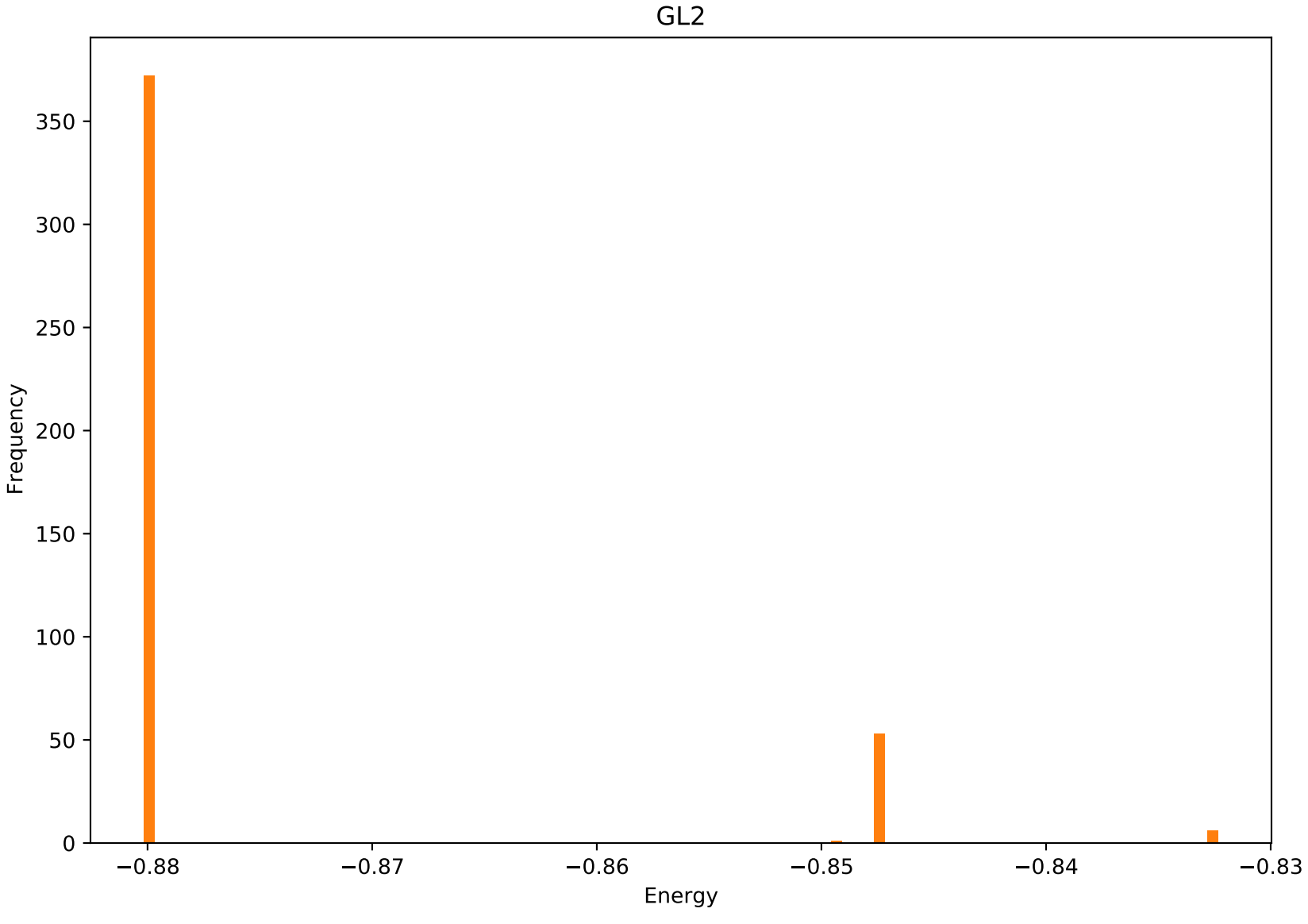

GI6
Frequency
350
300
250
200
150
100
50
0
−0.050
−0.049
−0.048
−0.047
−0.046
−0.045
Energy

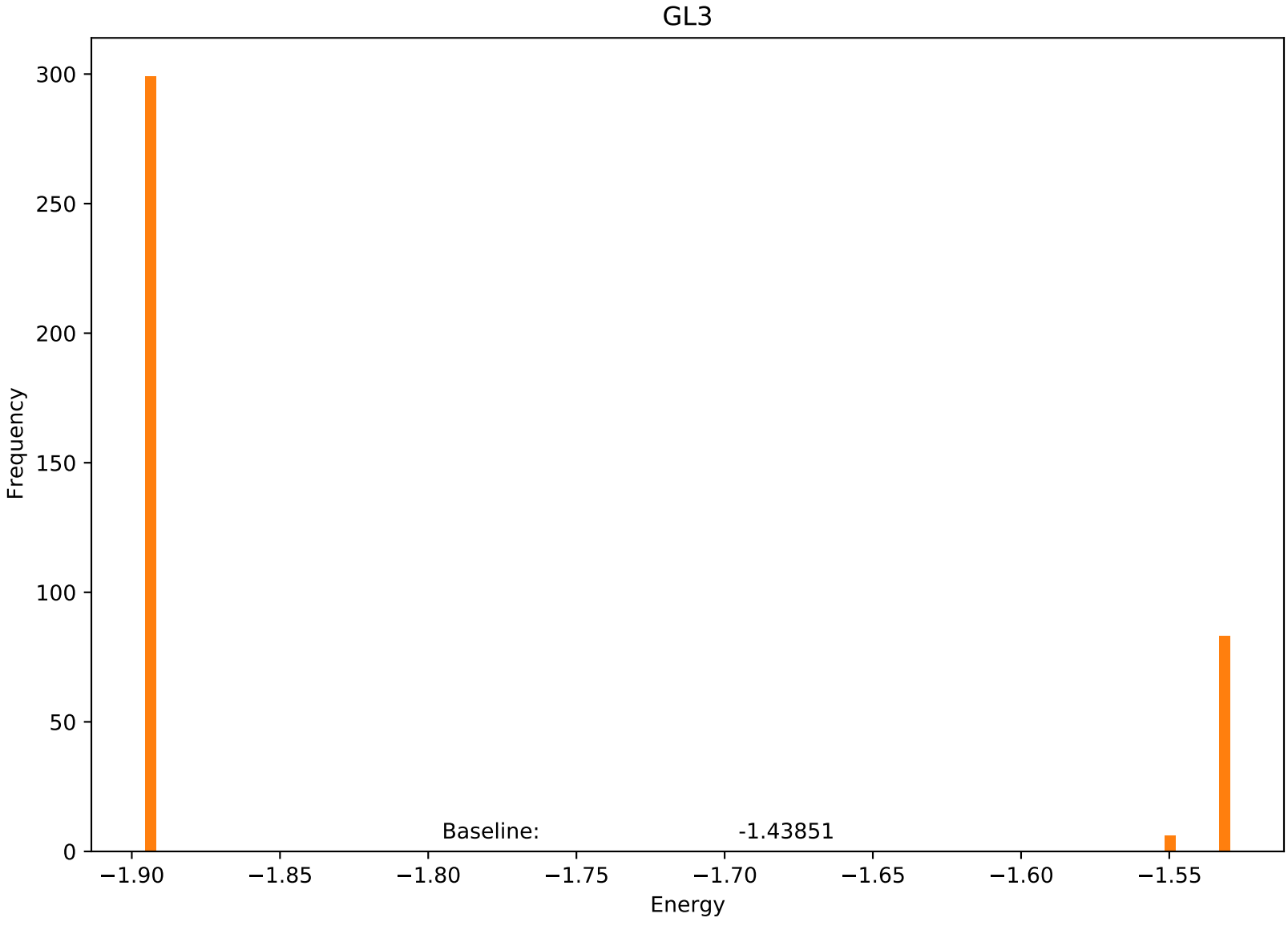

GI7
350
300
250
200
150
100
50
0
Frequency
−0.044
−0.042
−0.040
−0.038
−0.036
−0.034
Energy

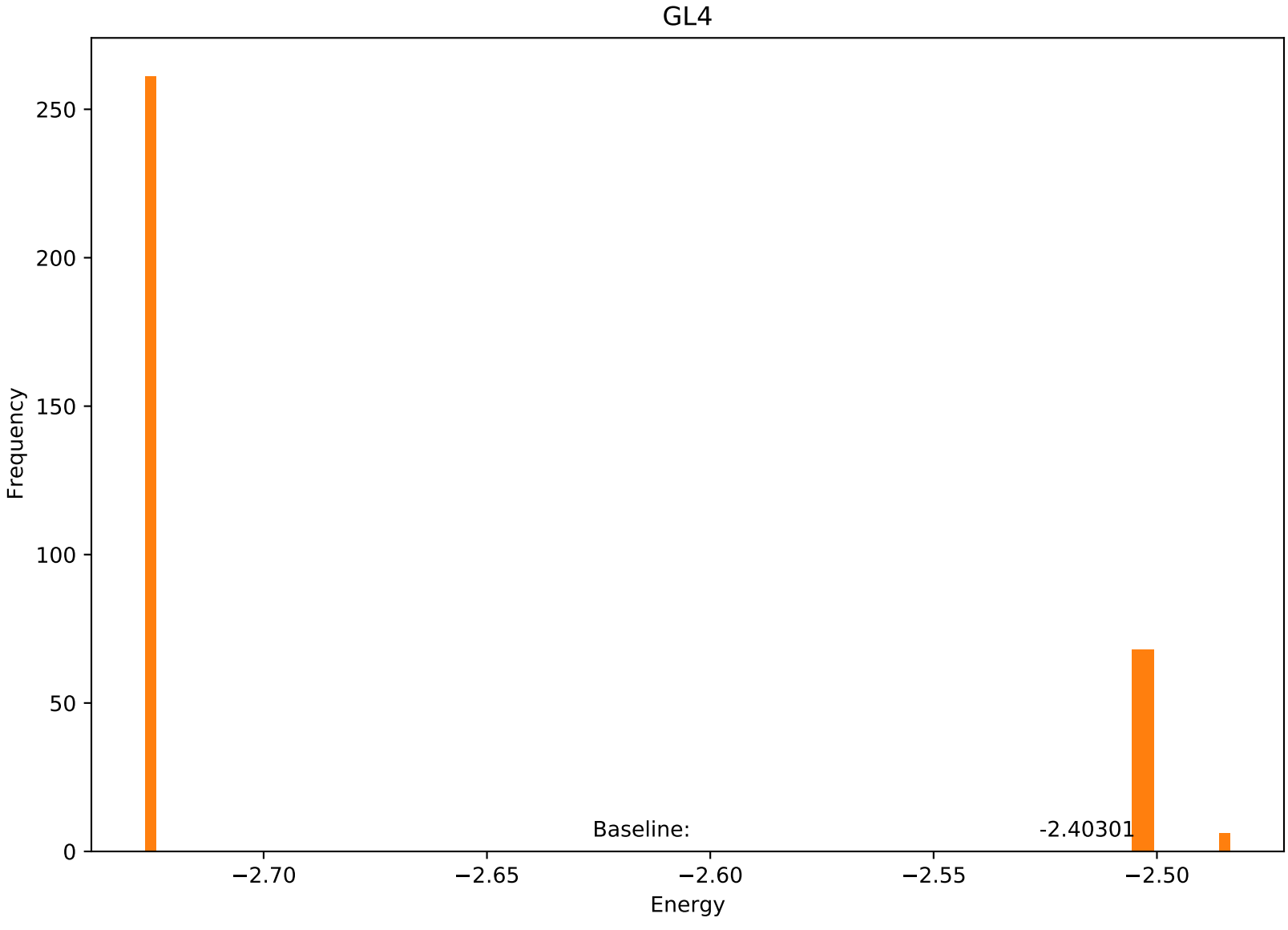

GI8
300
250
200
150
100
50
0
Frequency
−0.0096
−0.0094
−0.0092
−0.0090
−0.0088
−0.0086
−0.0084
−0.0082
−0.0080
Energy

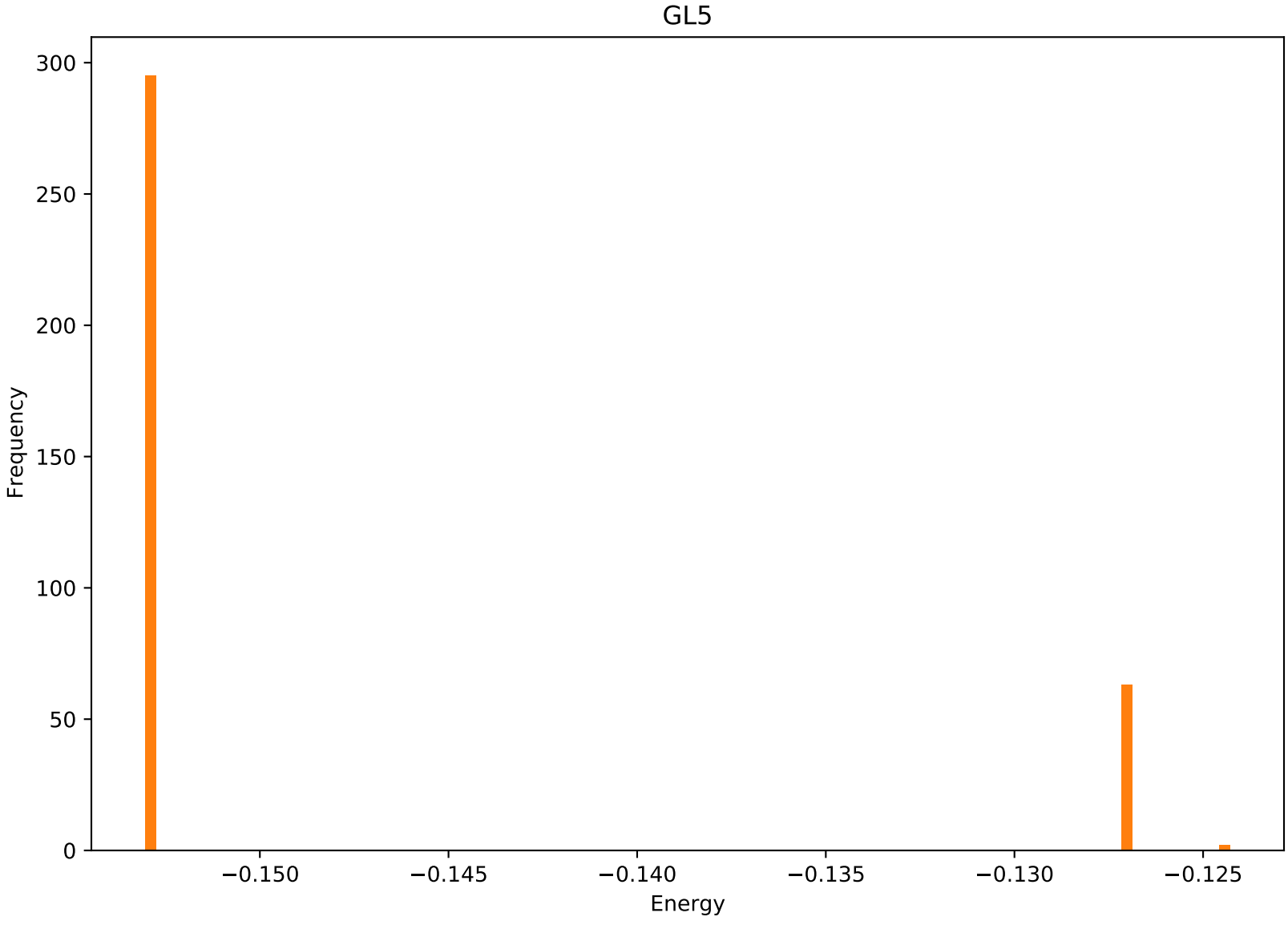

GI9
300
250
200
150
100
50
0
Frequency
−8
−6
−4
−2
Energy
1e−5

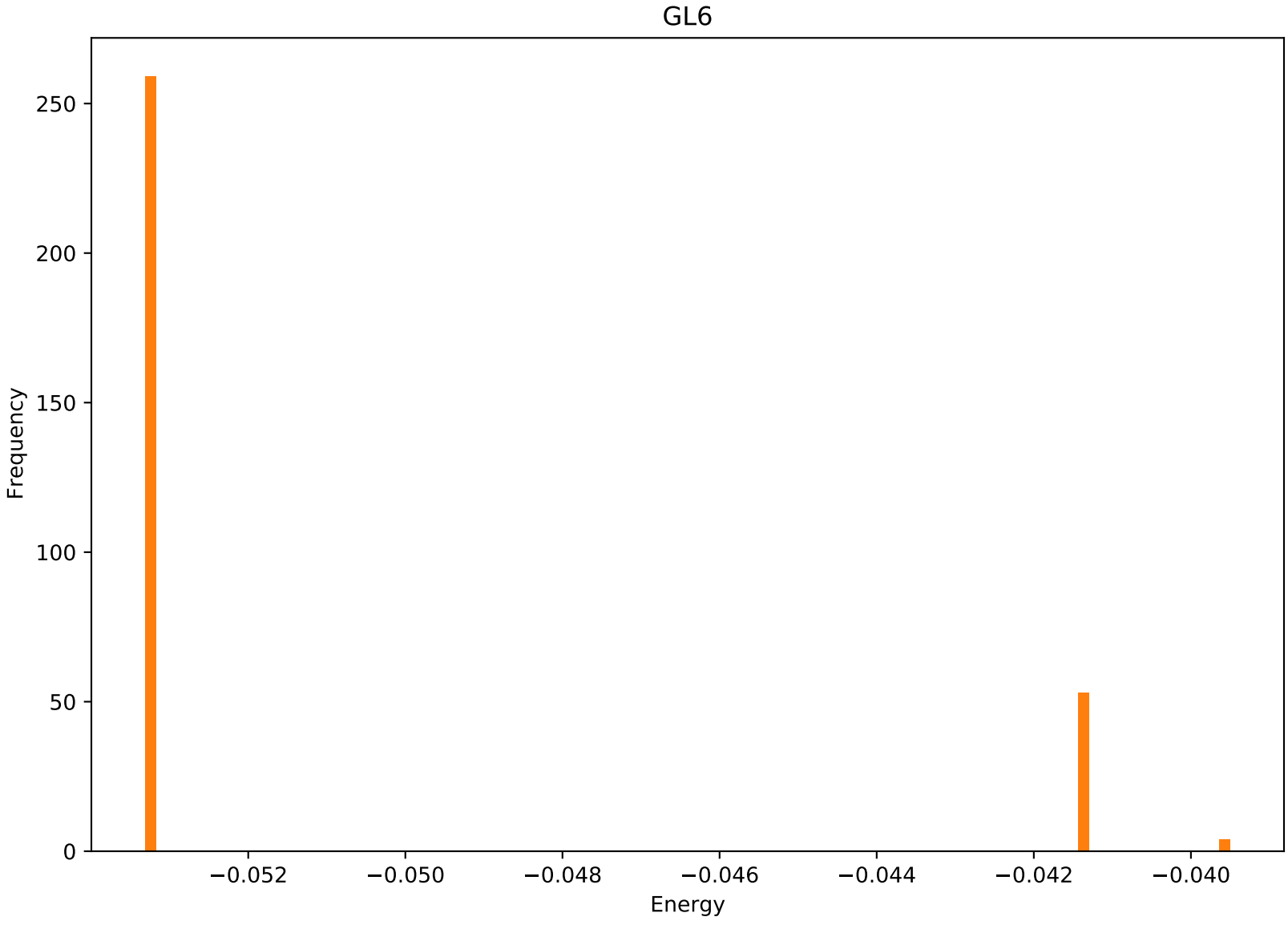

GL1
Frequency
Energy
Baseline:
0
50
100
150
200
250
300
350
2.10
2.12
2.14
2.16
2.18
2.20
2.22
2.24
2.26

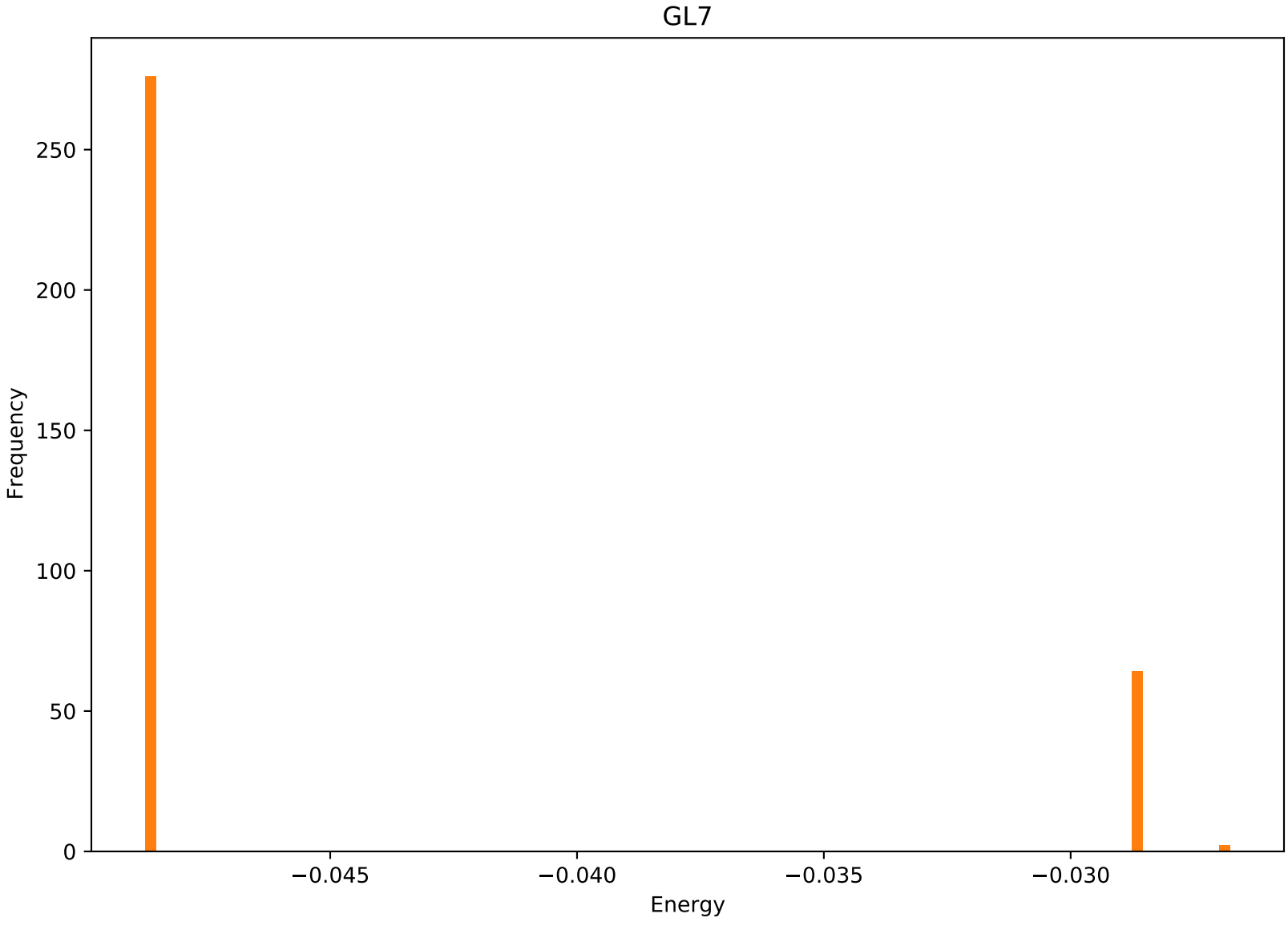

GL2
Frequency
350
300
250
200
150
100
50
0
−0.88
−0.87
−0.86
−0.85
−0.84
−0.83
Energy

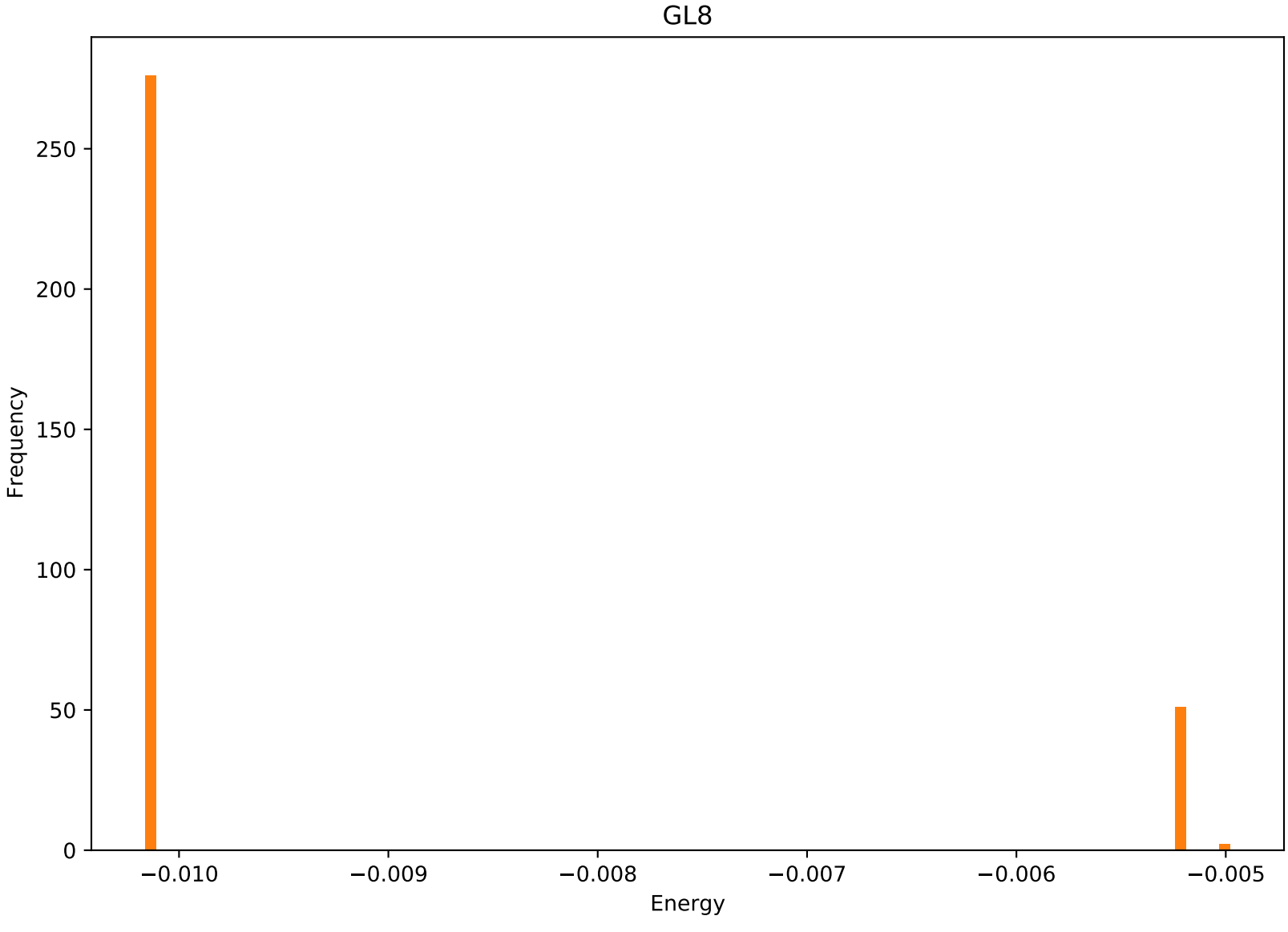

GL3
300
250
200
150
100
50
0
Frequency
Baseline:
-1.43851
−1.90
−1.85
−1.80
−1.75
−1.70
−1.65
−1.60
−1.55
Energy

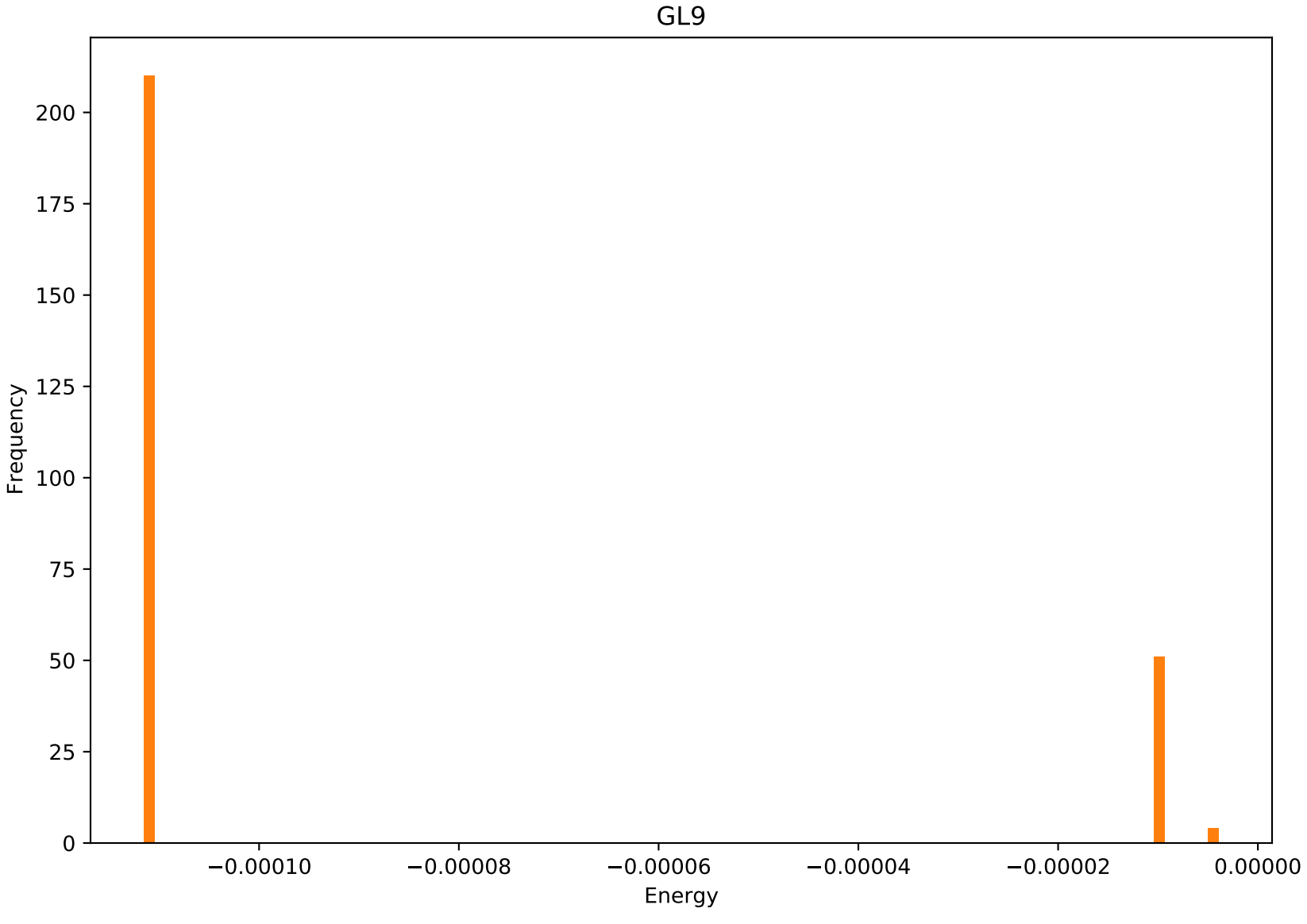

GL4
Frequency
250
200
150
100
50
0
Baseline:
-2.40301
−2.70
−2.65
−2.60
−2.55
−2.50
Energy

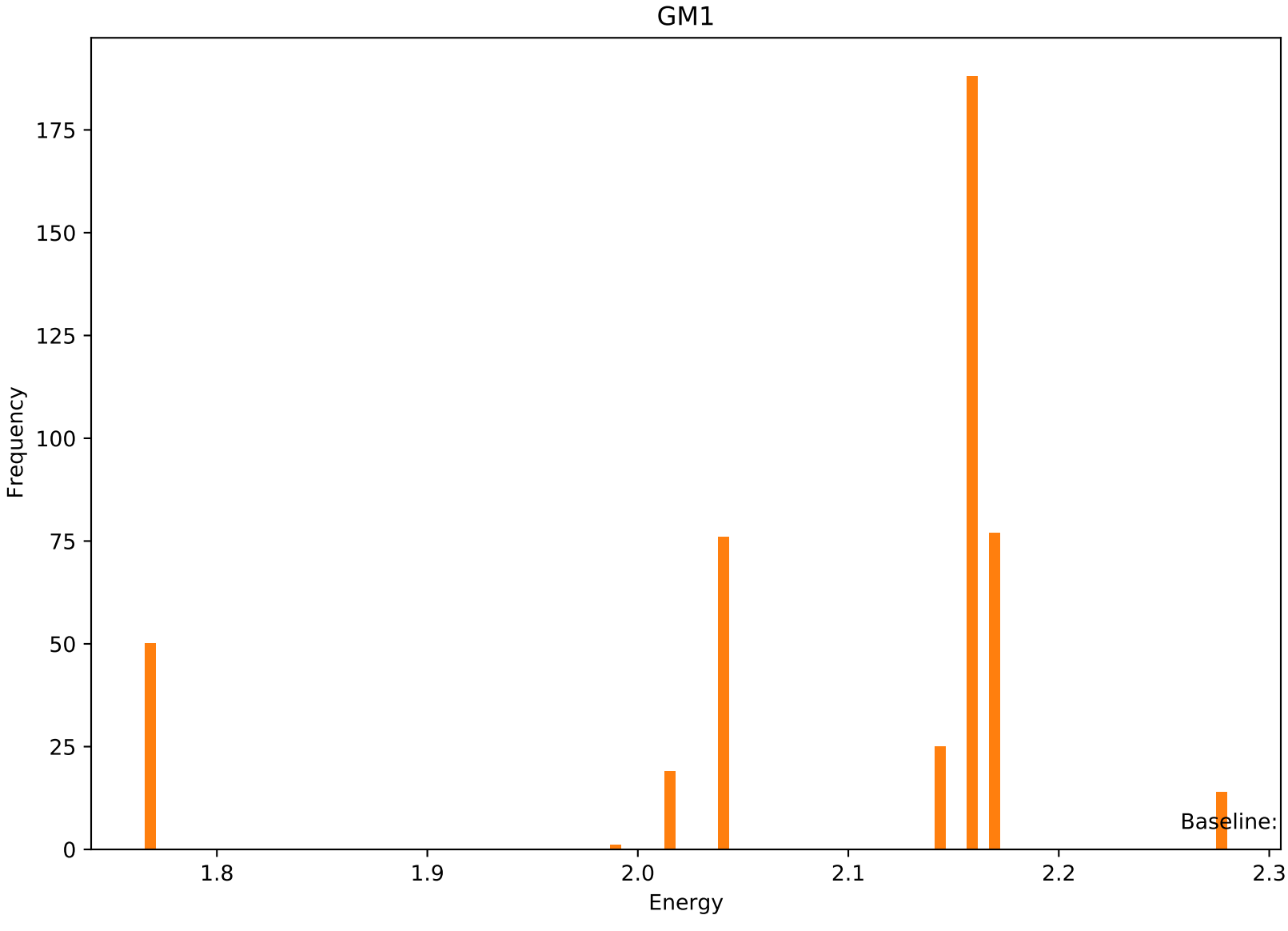

GL5
300
250
200
150
100
50
0
Frequency
−0.150
−0.145
−0.140
−0.135
−0.130
−0.125
Energy

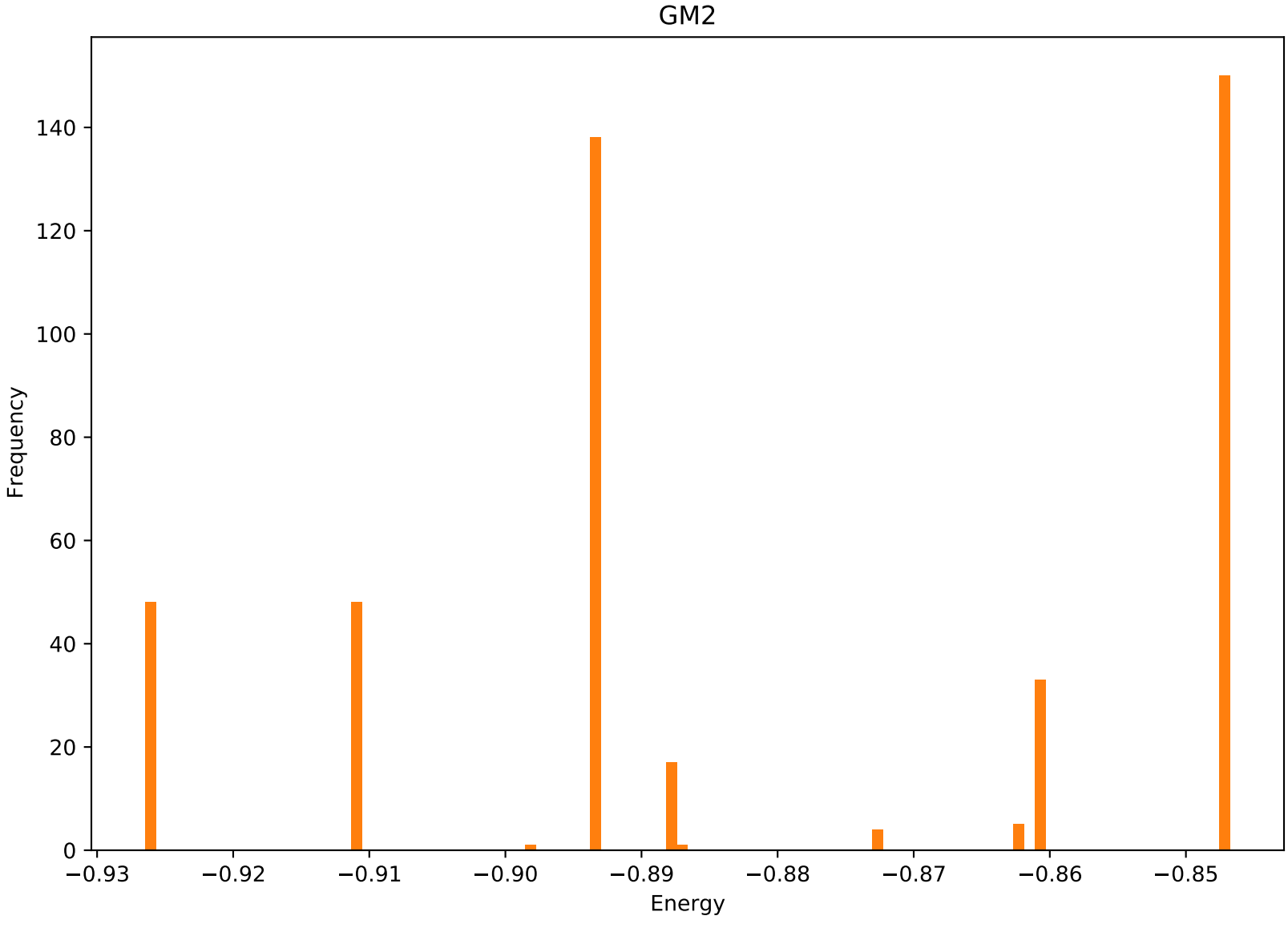

GL6
Frequency
250
200
150
100
50
0
−0.052
−0.050
−0.048
−0.046
−0.044
−0.042
−0.040
Energy

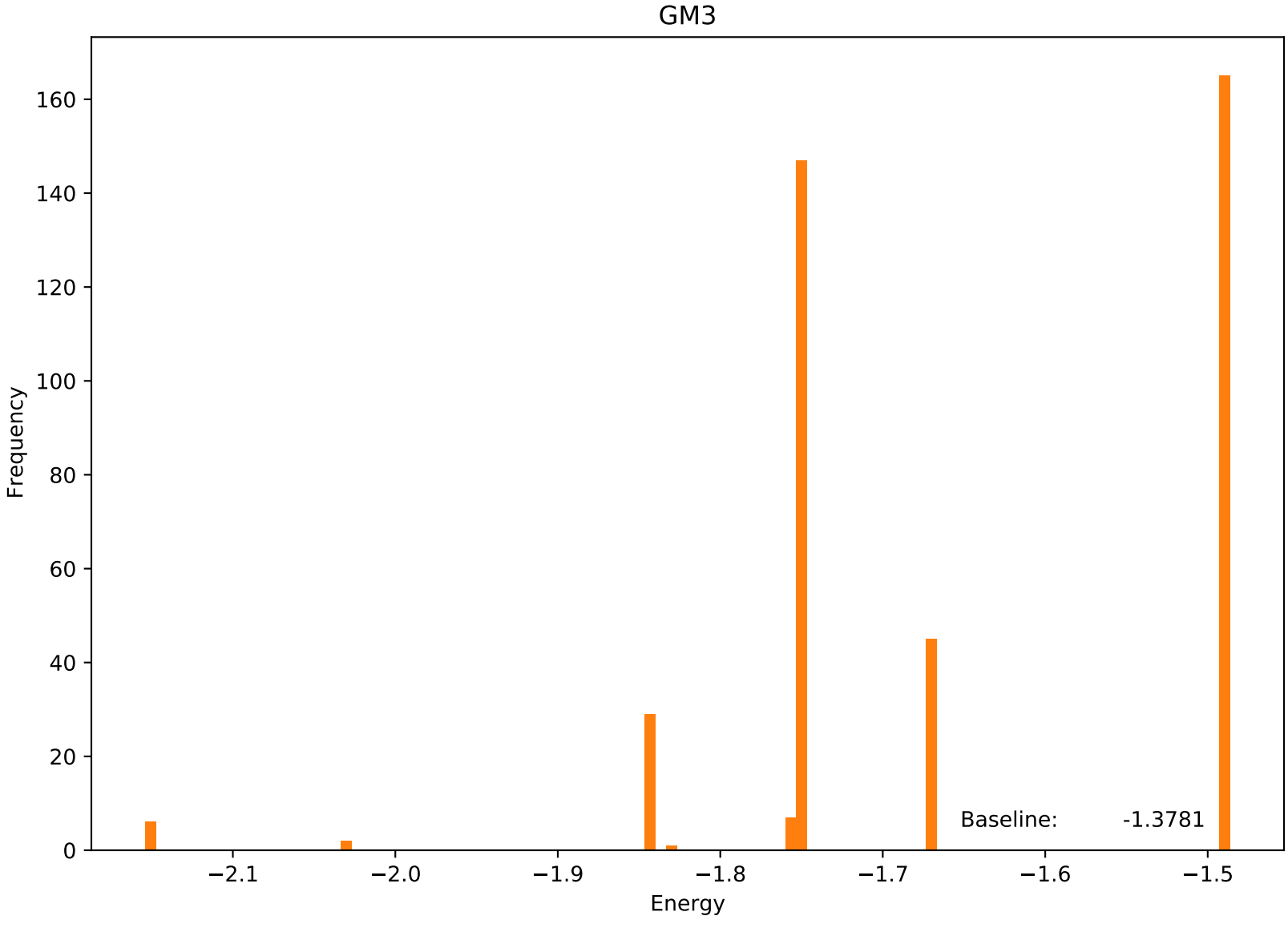

GL7
Frequency
250
200
150
100
50
0
−0.045
−0.040
−0.035
−0.030
Energy

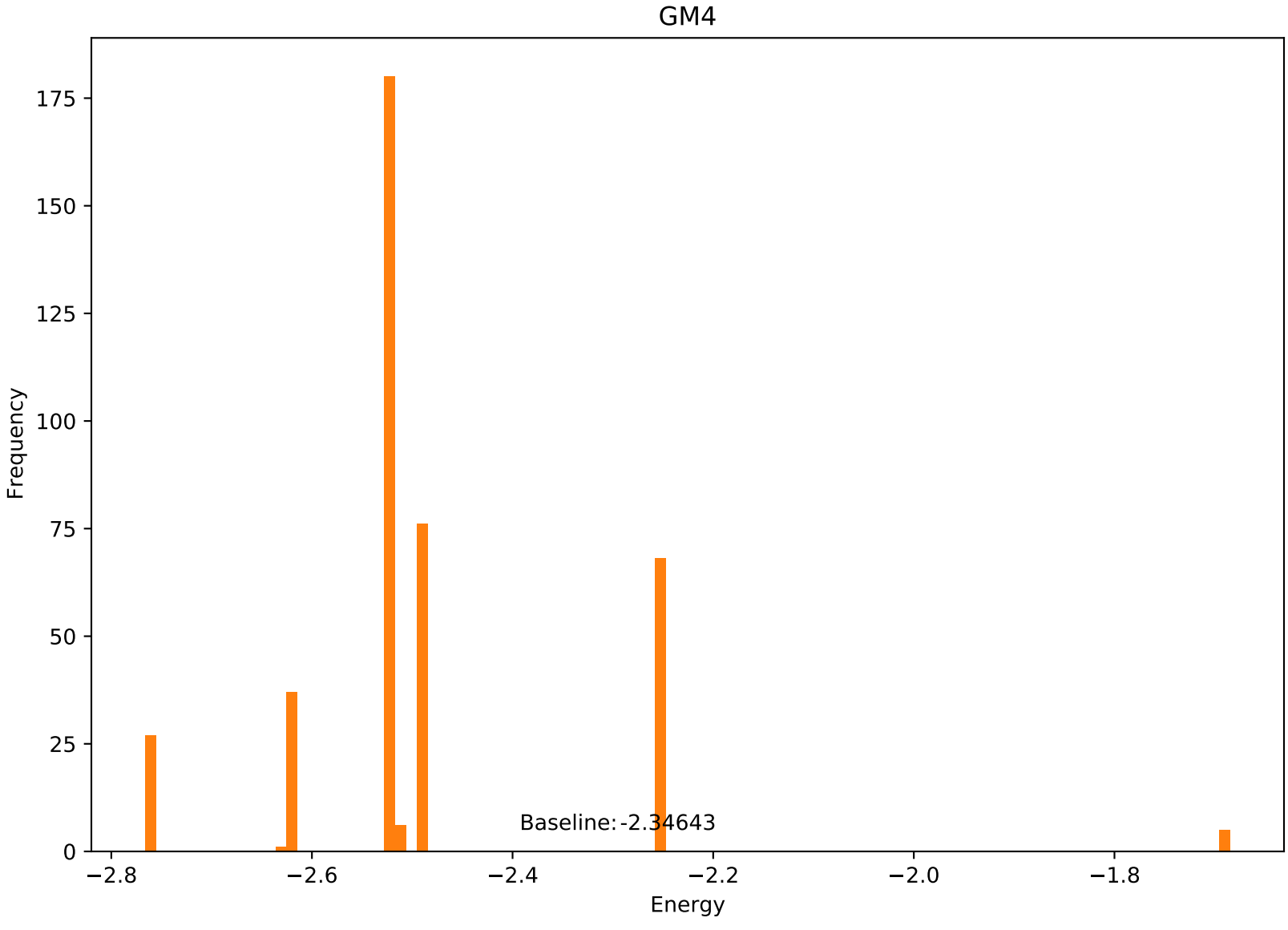

GL8
Frequency
250
200
150
100
50
0
−0.010
−0.009
−0.008
−0.007
−0.006
−0.005
Energy

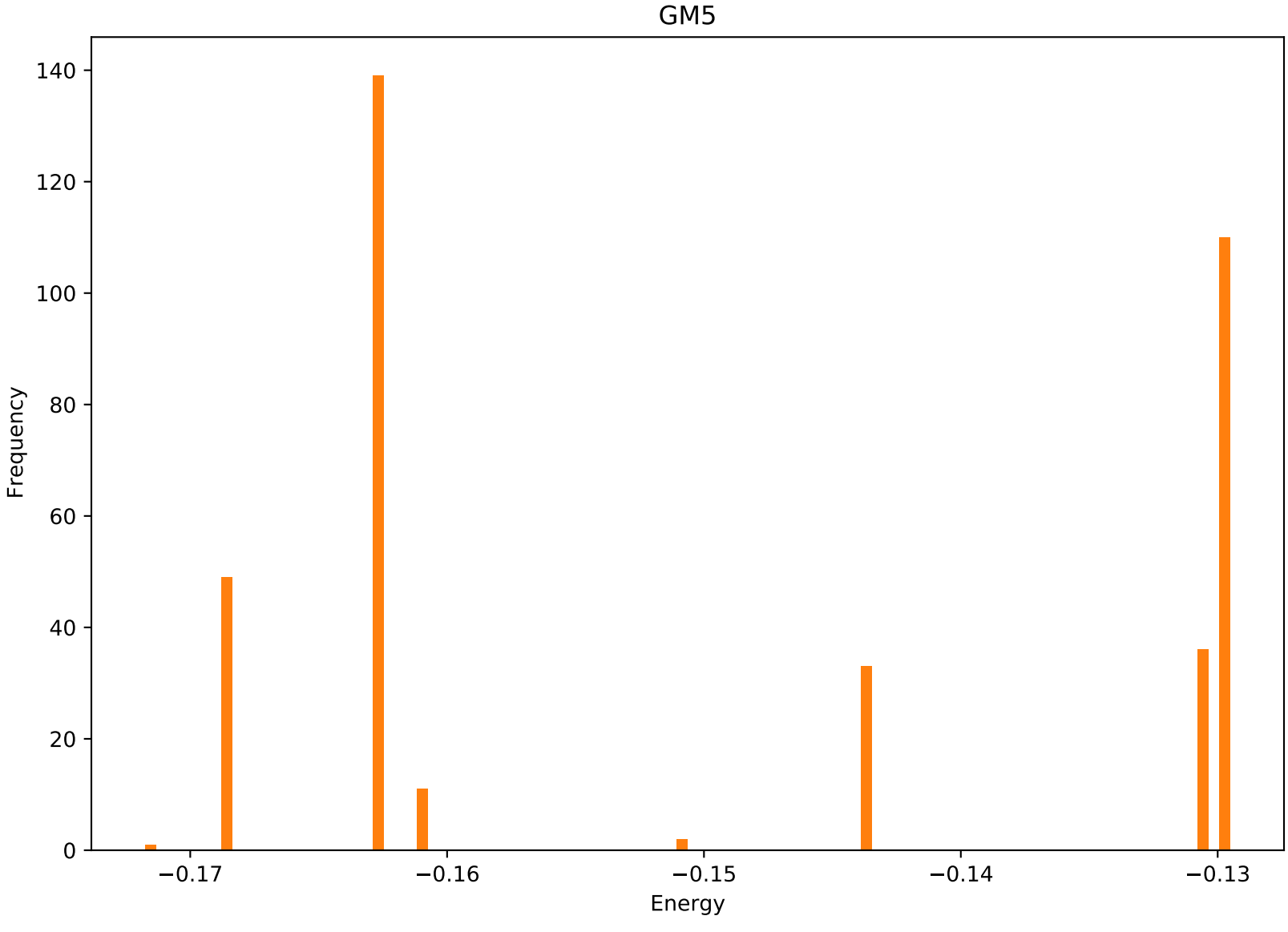

GL9
Frequency
200
175
150
125
100
75
50
25
0
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

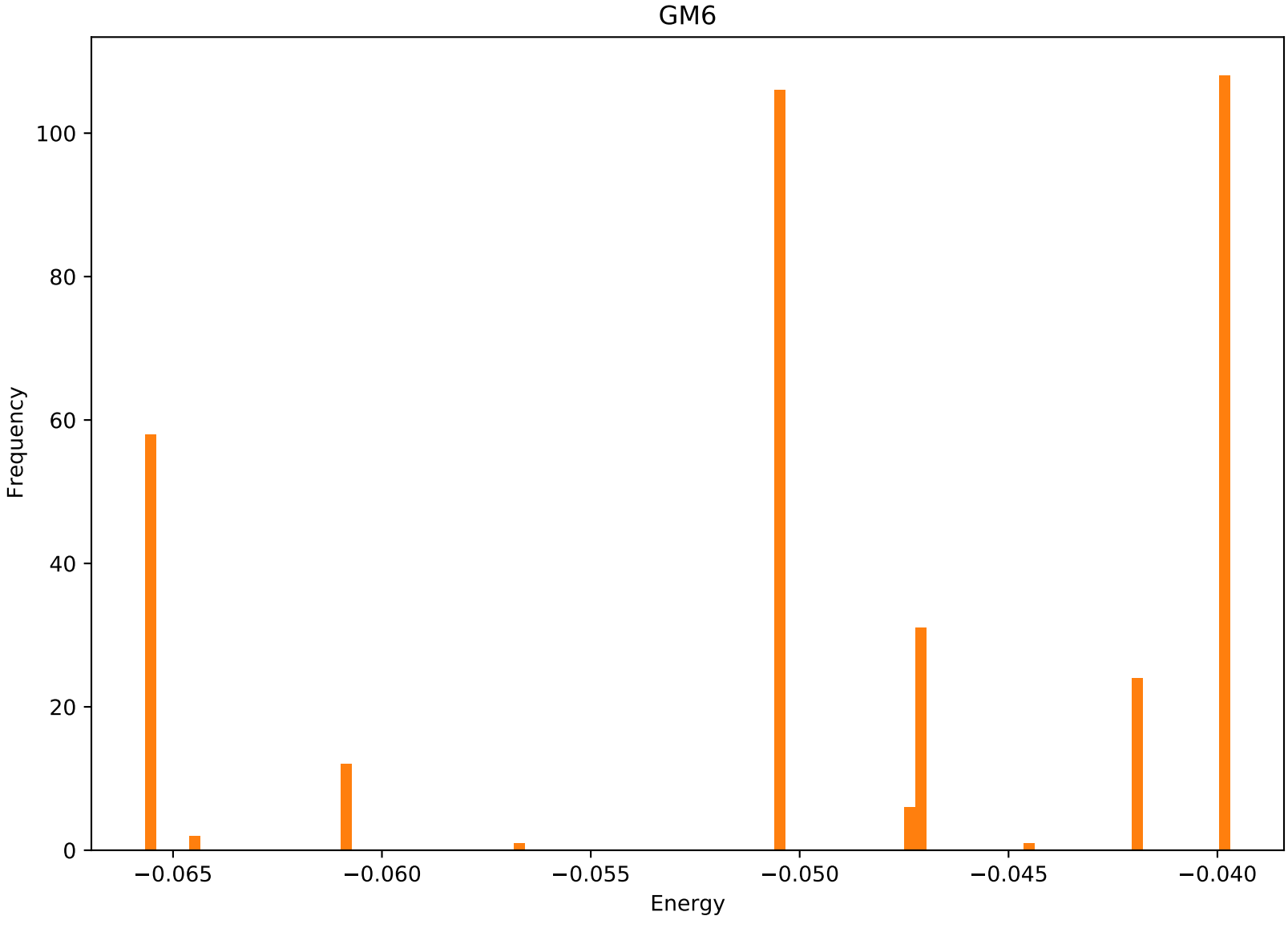

GM1
Frequency
Energy
0
25
50
75
100
125
150
175
1.8
1.9
2.0
2.1
2.2
2.3
Baseline:

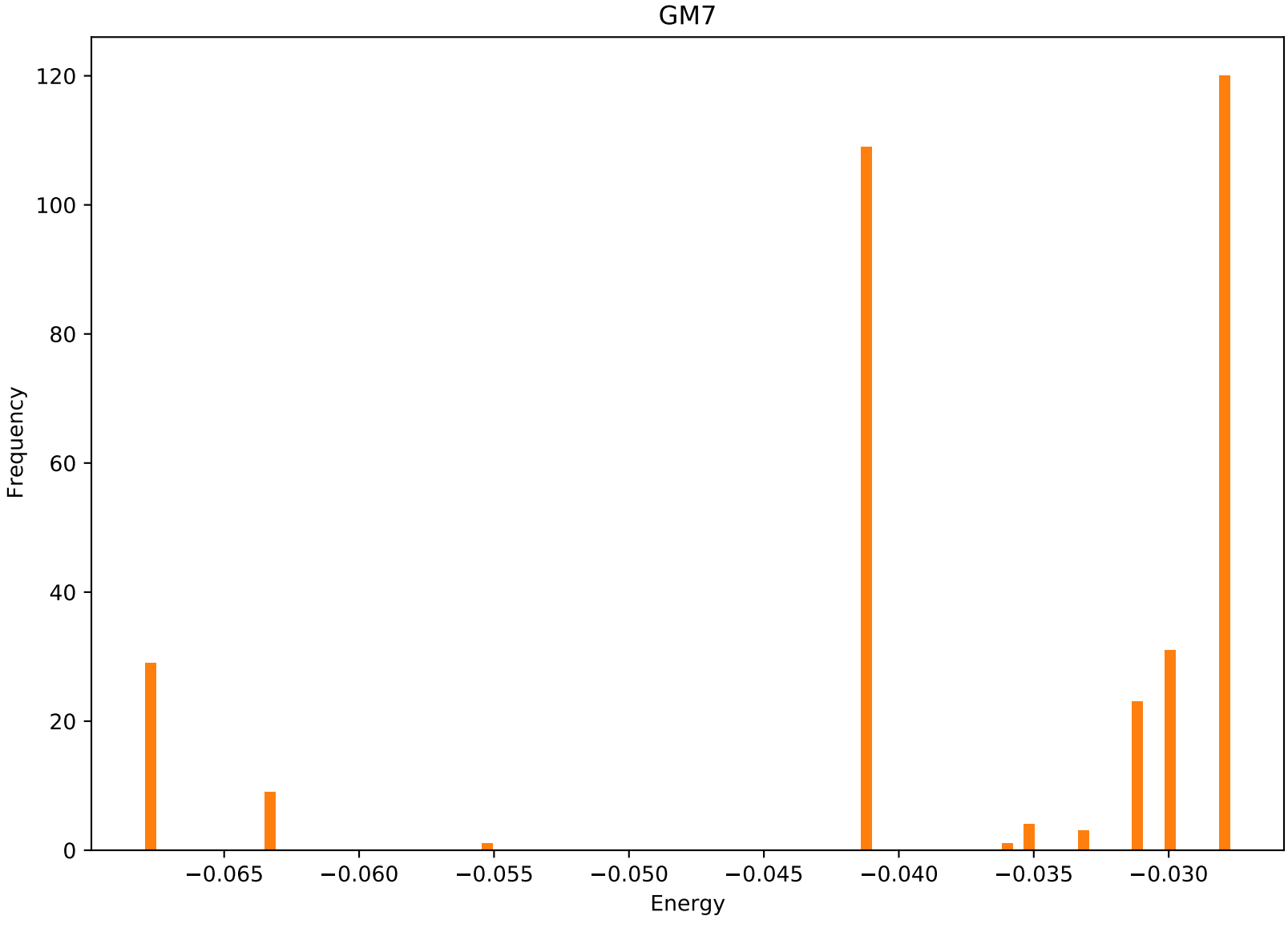

GM2
Frequency
Energy
0
20
40
60
80
100
120
140
−0.93
−0.92
−0.91
−0.90
−0.89
−0.88
−0.87
−0.86
−0.85

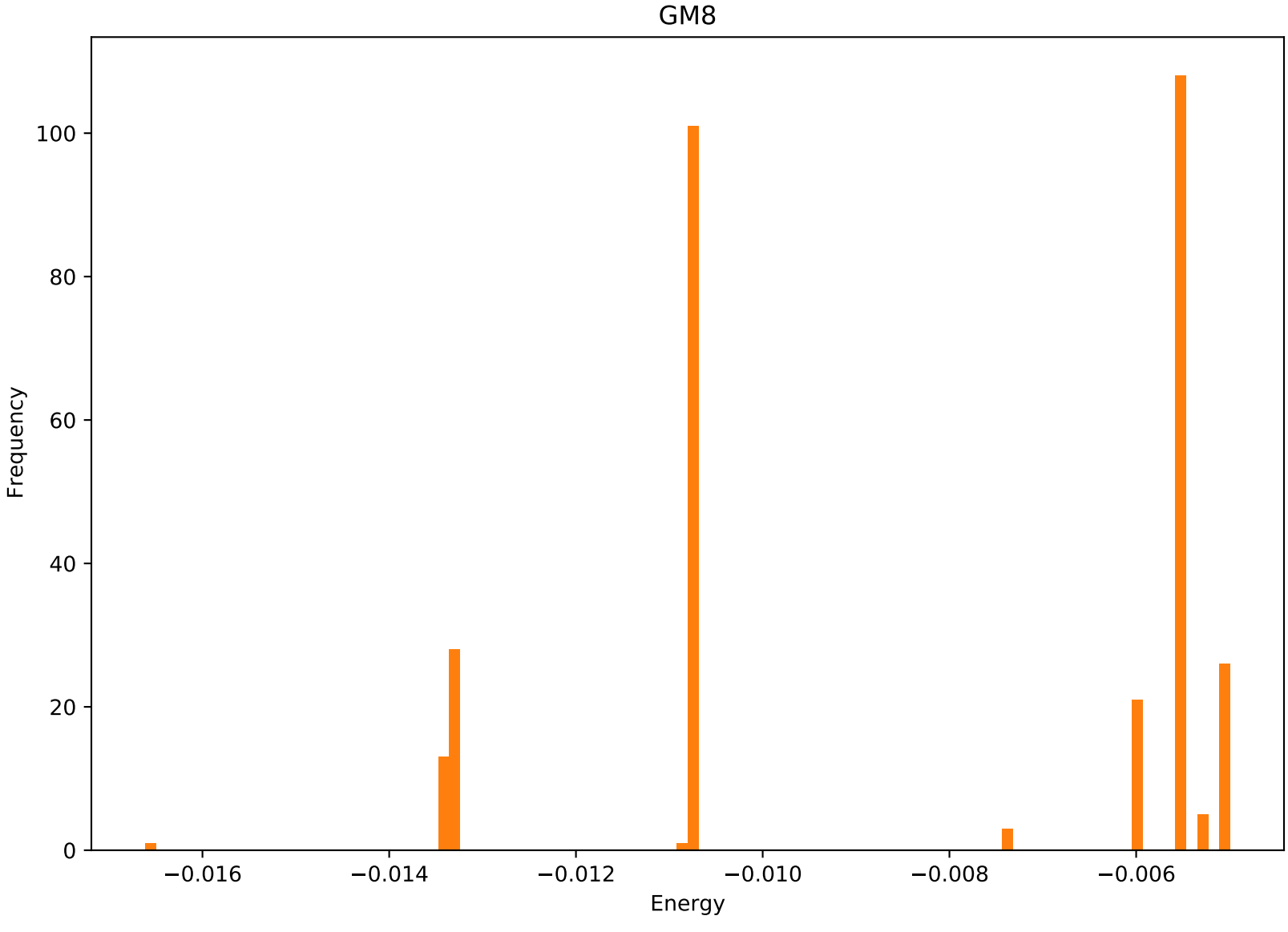

GM3
Frequency
Energy
Baseline: -1.3781
0
20
40
60
80
100
120
140
160
−2.1
−2.0
−1.9
−1.8
−1.7
−1.6
−1.5

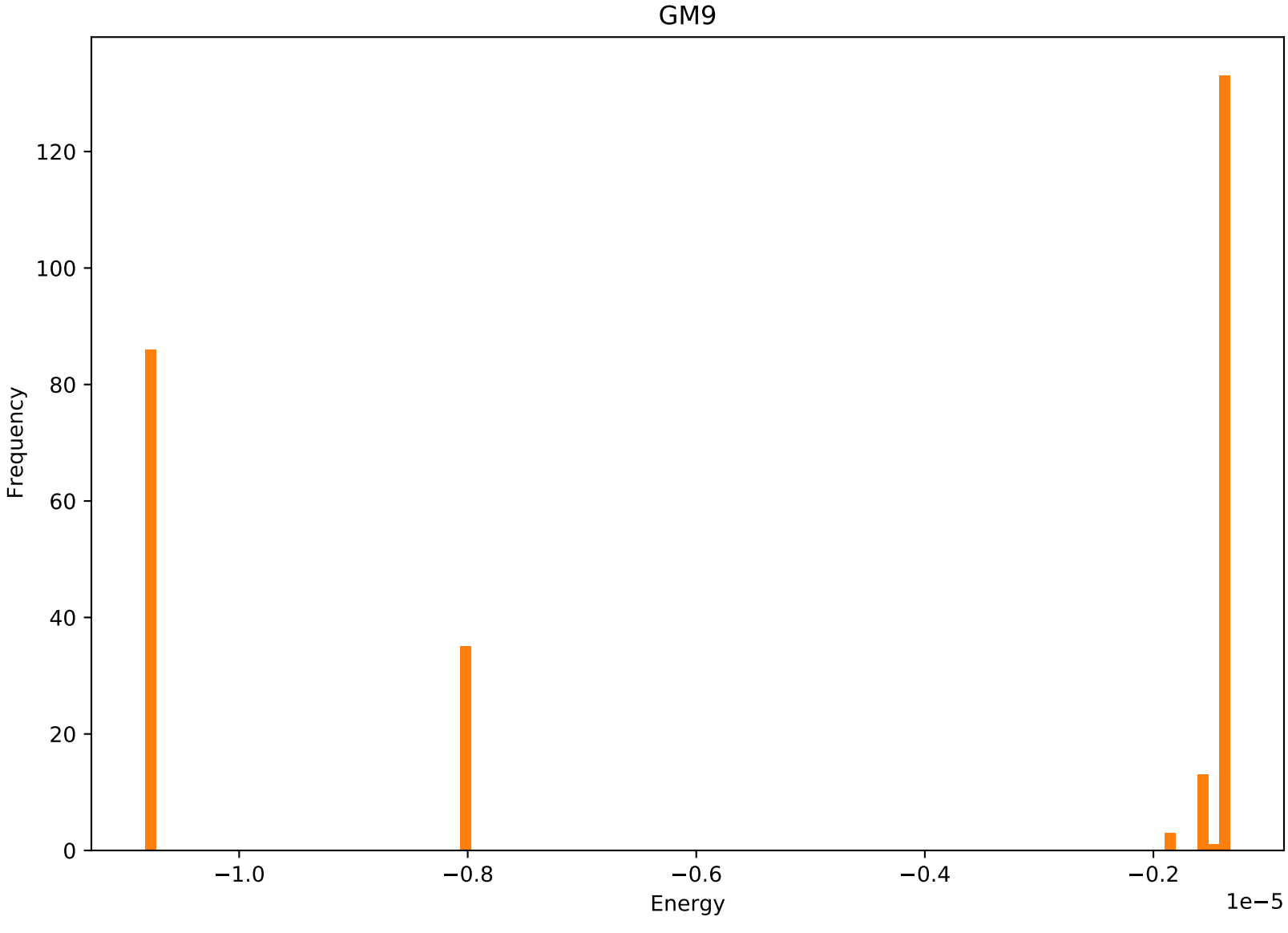

GM4
Frequency
Energy
Baseline: -2.34643
0
25
50
75
100
125
150
175
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

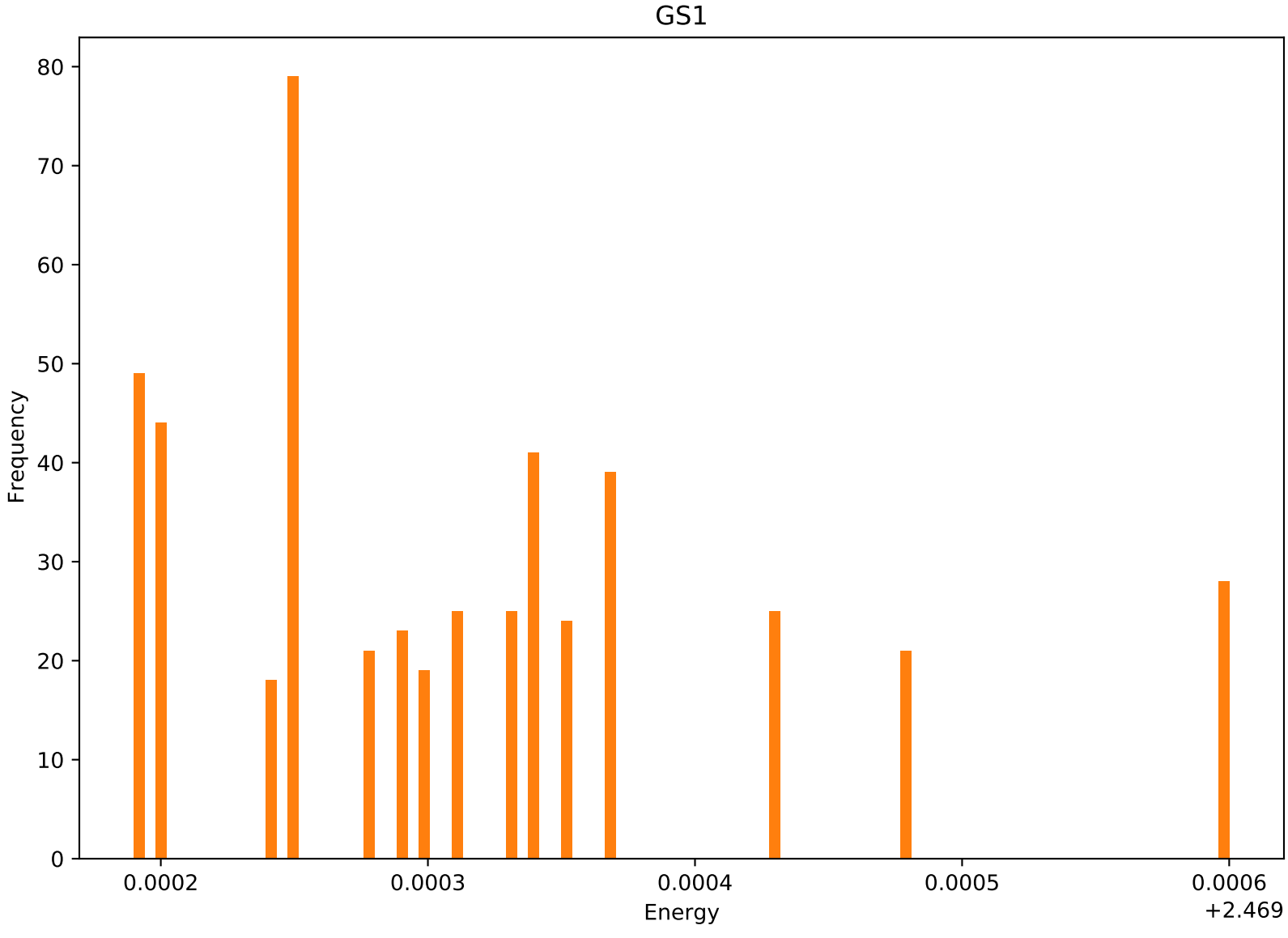

GM5
Frequency
Energy
0
20
40
60
80
100
120
140
−0.17
−0.16
−0.15
−0.14
−0.13

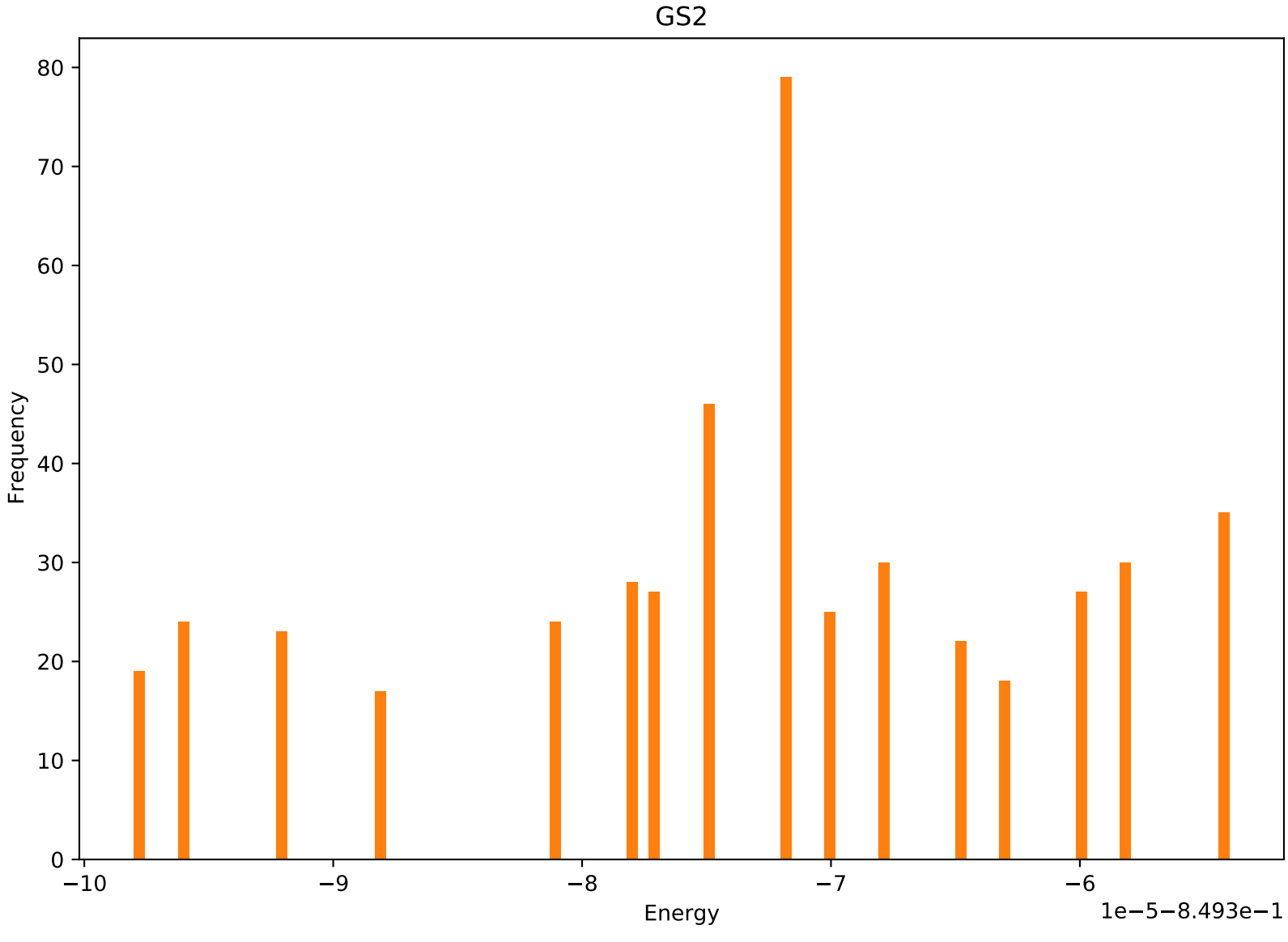

GM6
Frequency
Energy
0
20
40
60
80
100
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040

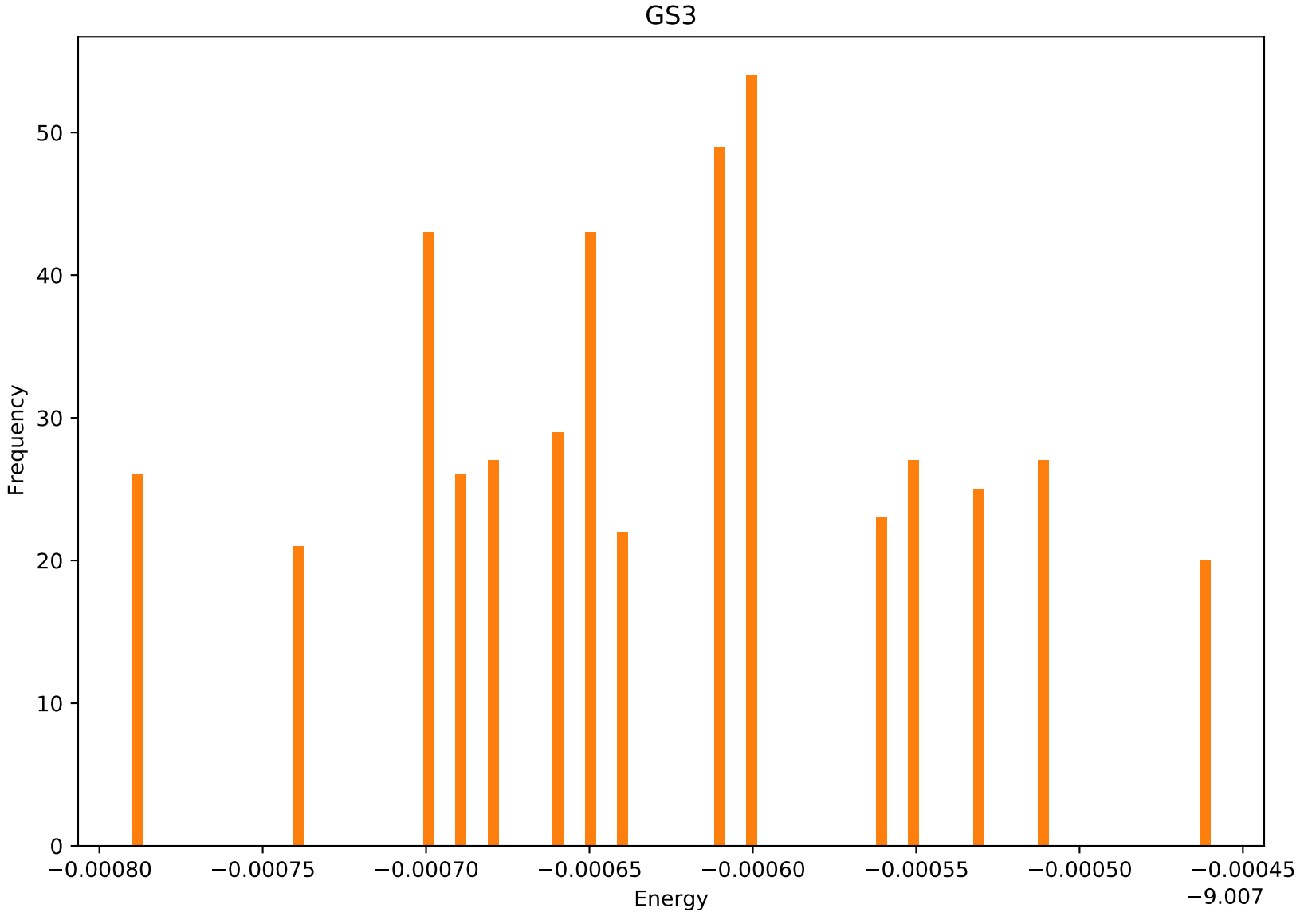

GM7
Frequency
Energy
0
20
40
60
80
100
120
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
−0.035
−0.030

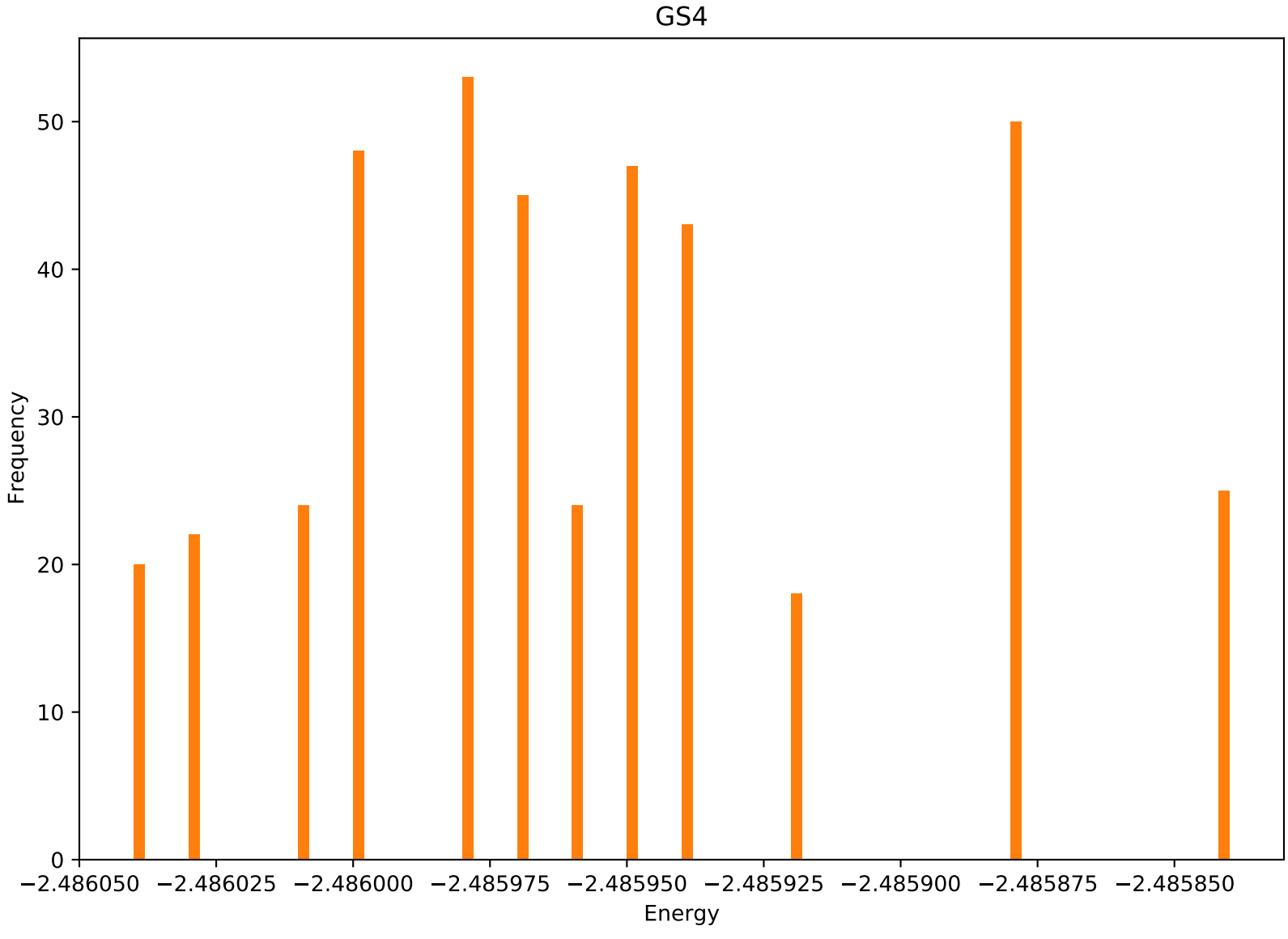

GM8
Frequency
Energy
0
20
40
60
80
100
−0.016
−0.014
−0.012
−0.010
−0.008
−0.006

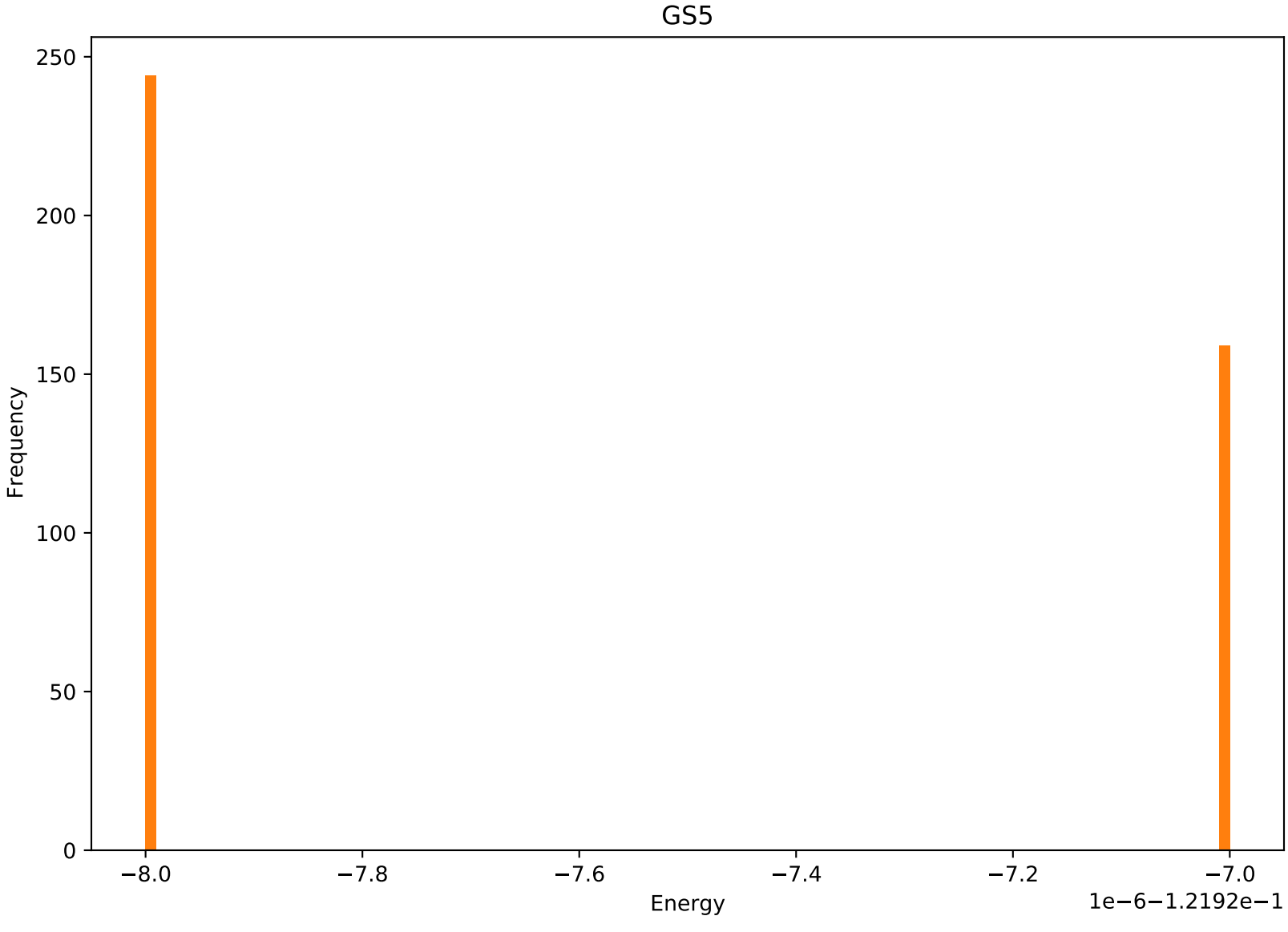

GM9
Frequency
120
100
80
60
40
20
0
−1.0
−0.8
−0.6
−0.4
−0.2
Energy
1e−5

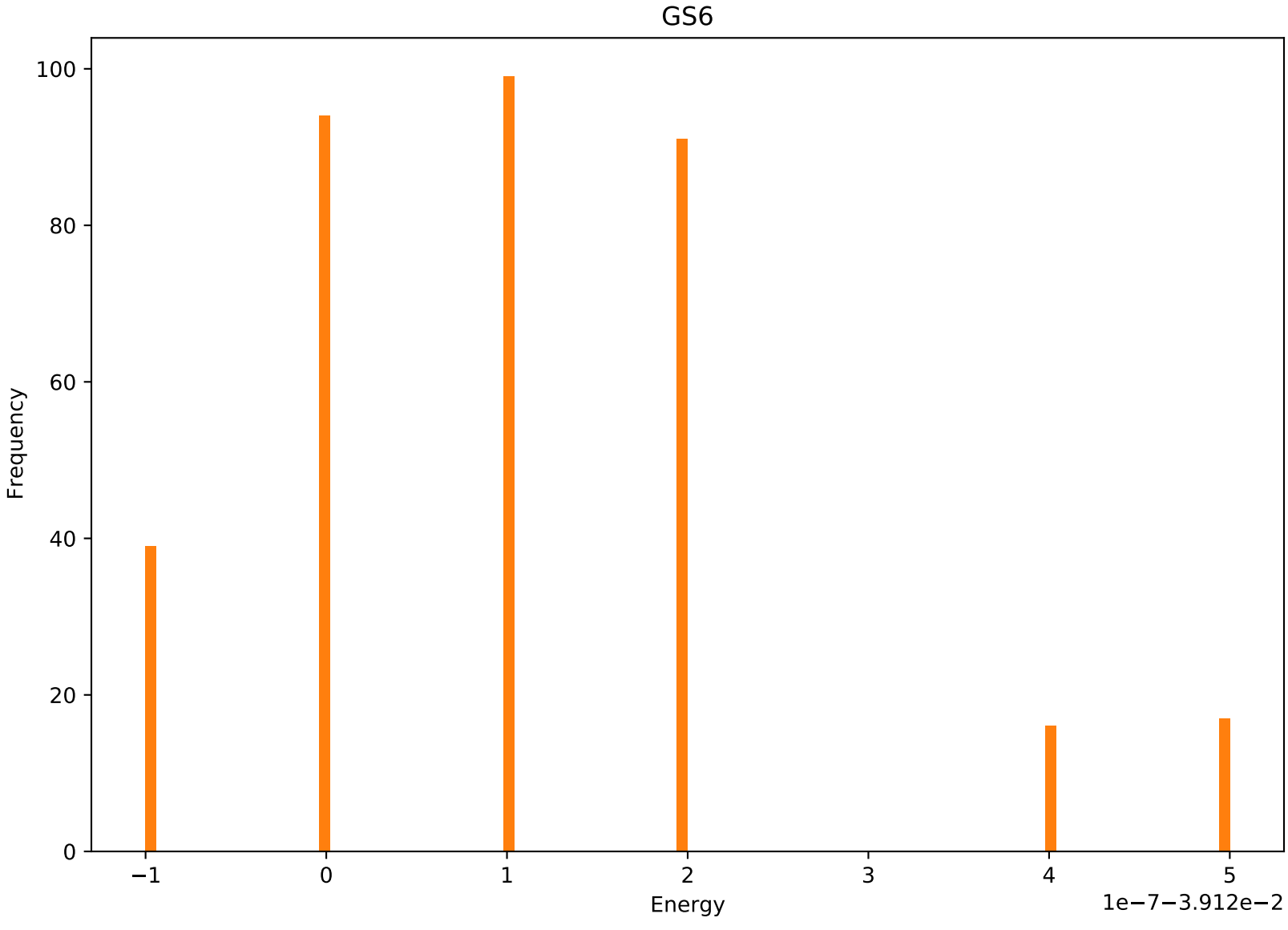

GS1
Frequency
0
10
20
30
40
50
60
70
80
0.0002
0.0003
0.0004
0.0005
0.0006
Energy
+2.469

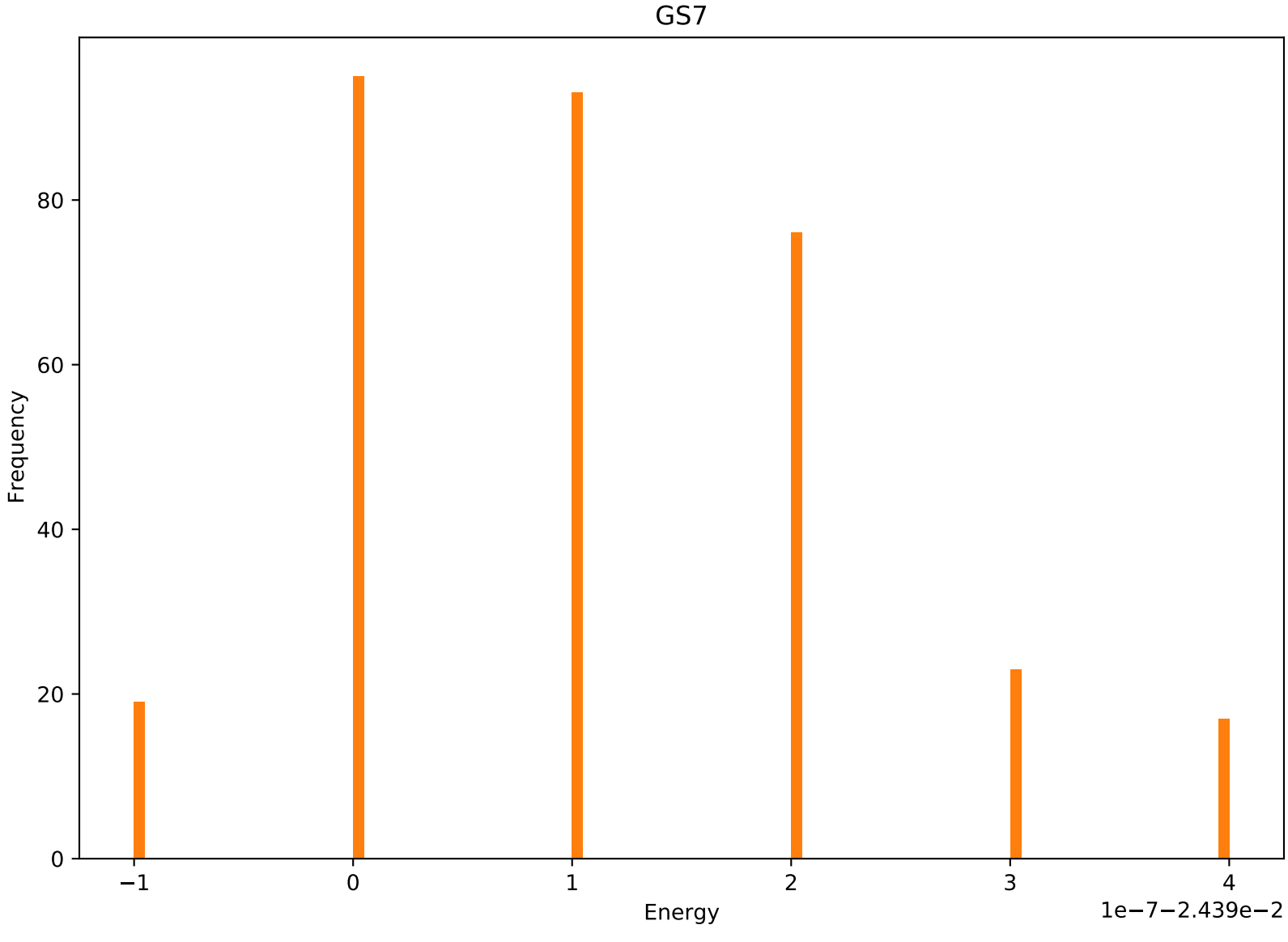

GS2
Frequency
0
10
20
30
40
50
60
70
80
−10
−9
−8
−7
−6
Energy
1e−5−8.493e−1

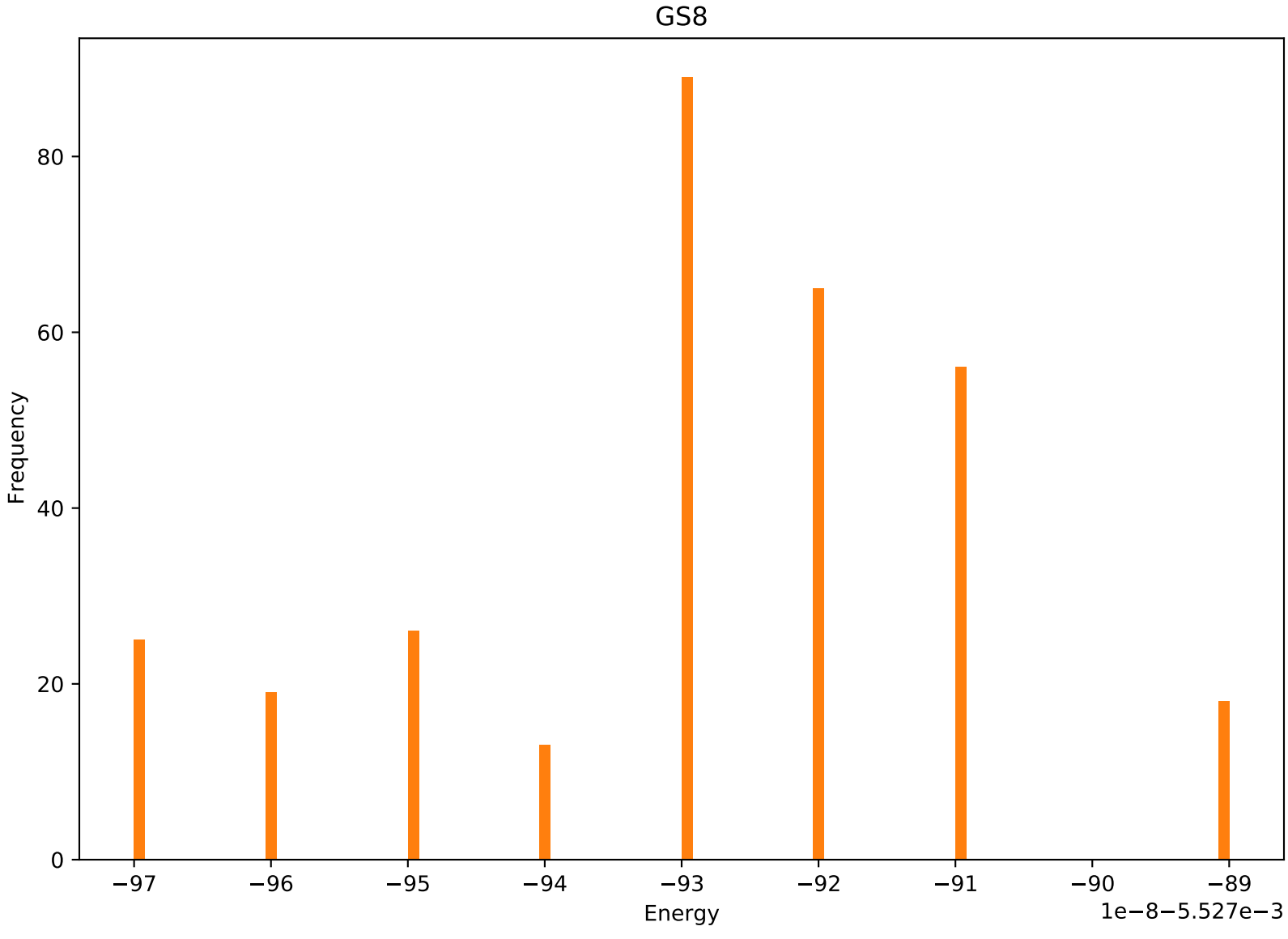

GS3
Frequency
0
10
20
30
40
50
−0.00080
−0.00075
−0.00070
−0.00065
−0.00060
−0.00055
−0.00050
−0.00045
Energy
−9.007

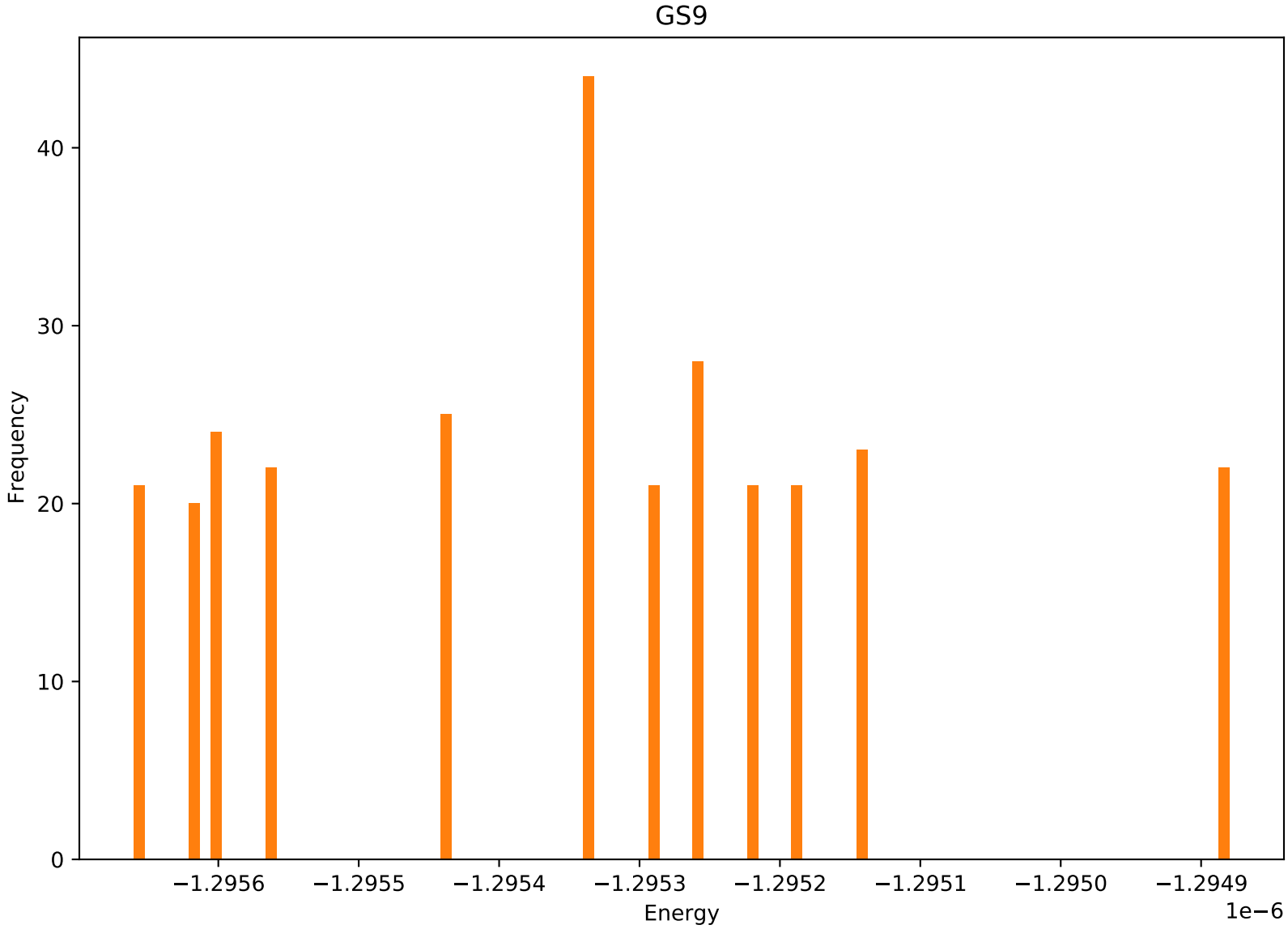

GS4
Frequency
0
10
20
30
40
50
−2.486050
−2.486025
−2.486000
−2.485975
−2.485950
−2.485925
−2.485900
−2.485875
−2.485850
Energy

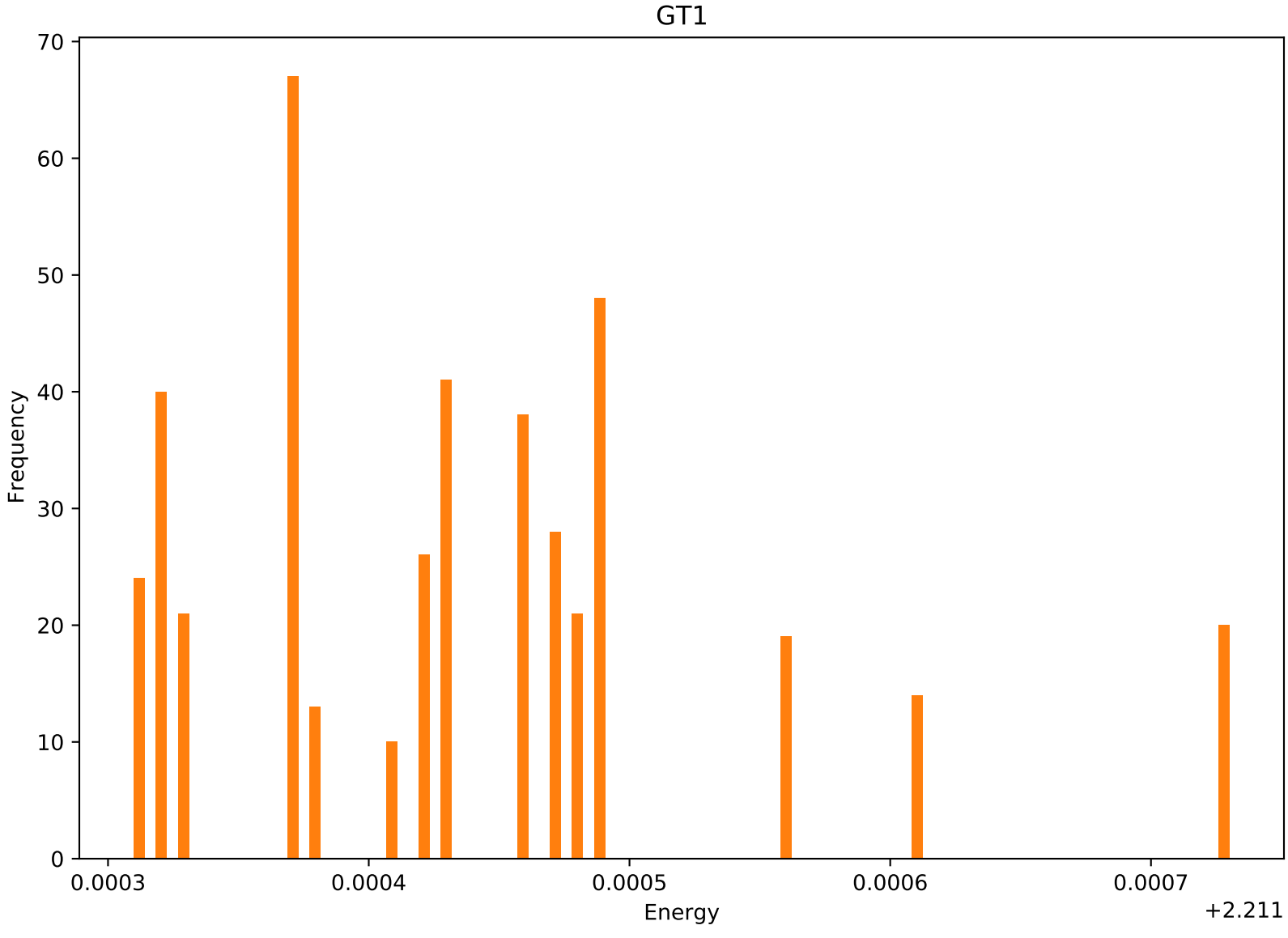

GS5
250
200
150
100
50
0
Frequency
−8.0
−7.8
−7.6
−7.4
−7.2
−7.0
Energy
1e−6−1.2192e−1

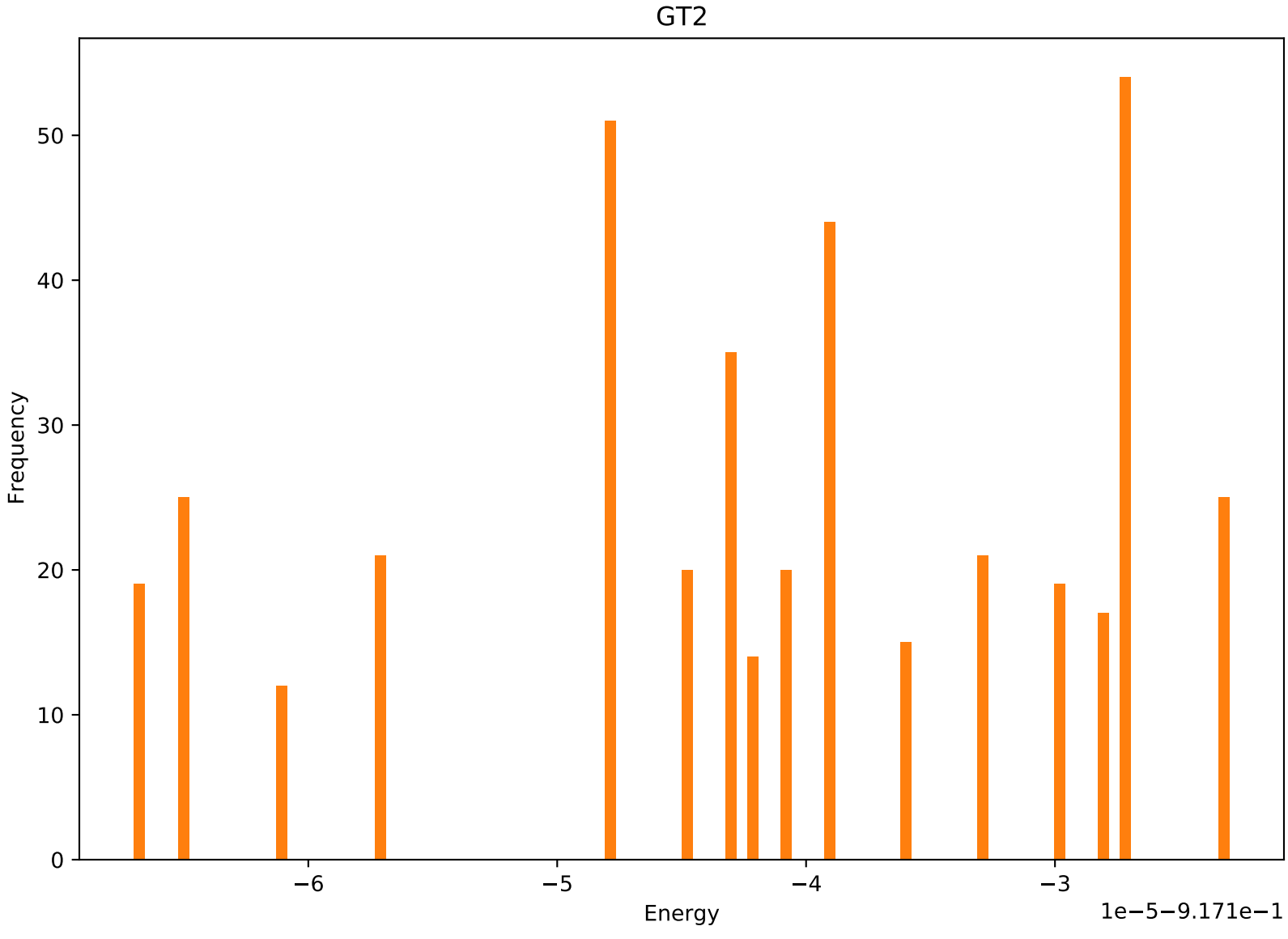

GS6
100
80
60
40
20
0
Frequency
−1
0
1
2
3
4
5
Energy
1e−7−3.912e−2

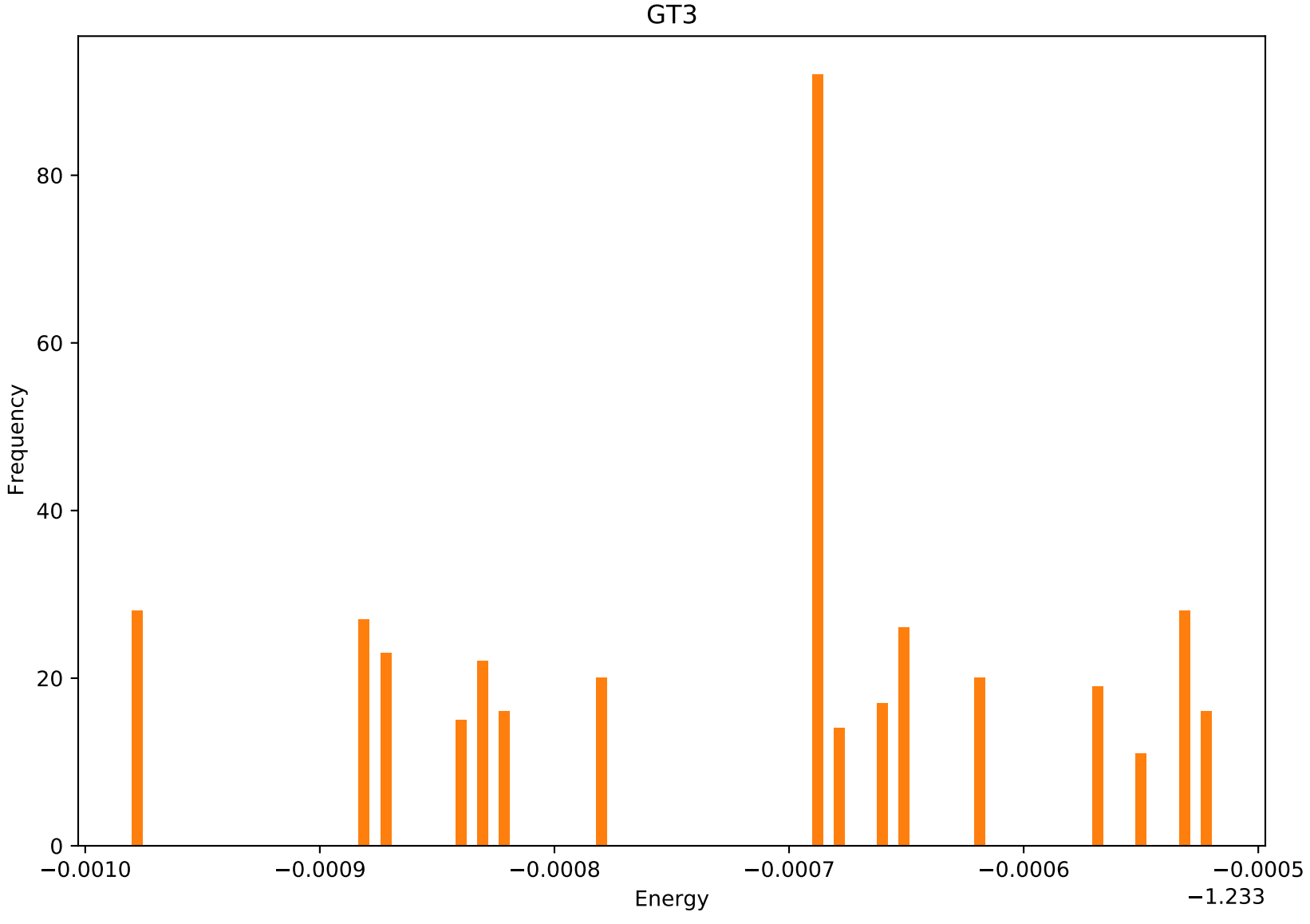

GS7
Frequency
0
20
40
60
80
−1
0
1
2
3
4
Energy
1e−7−2.439e−2

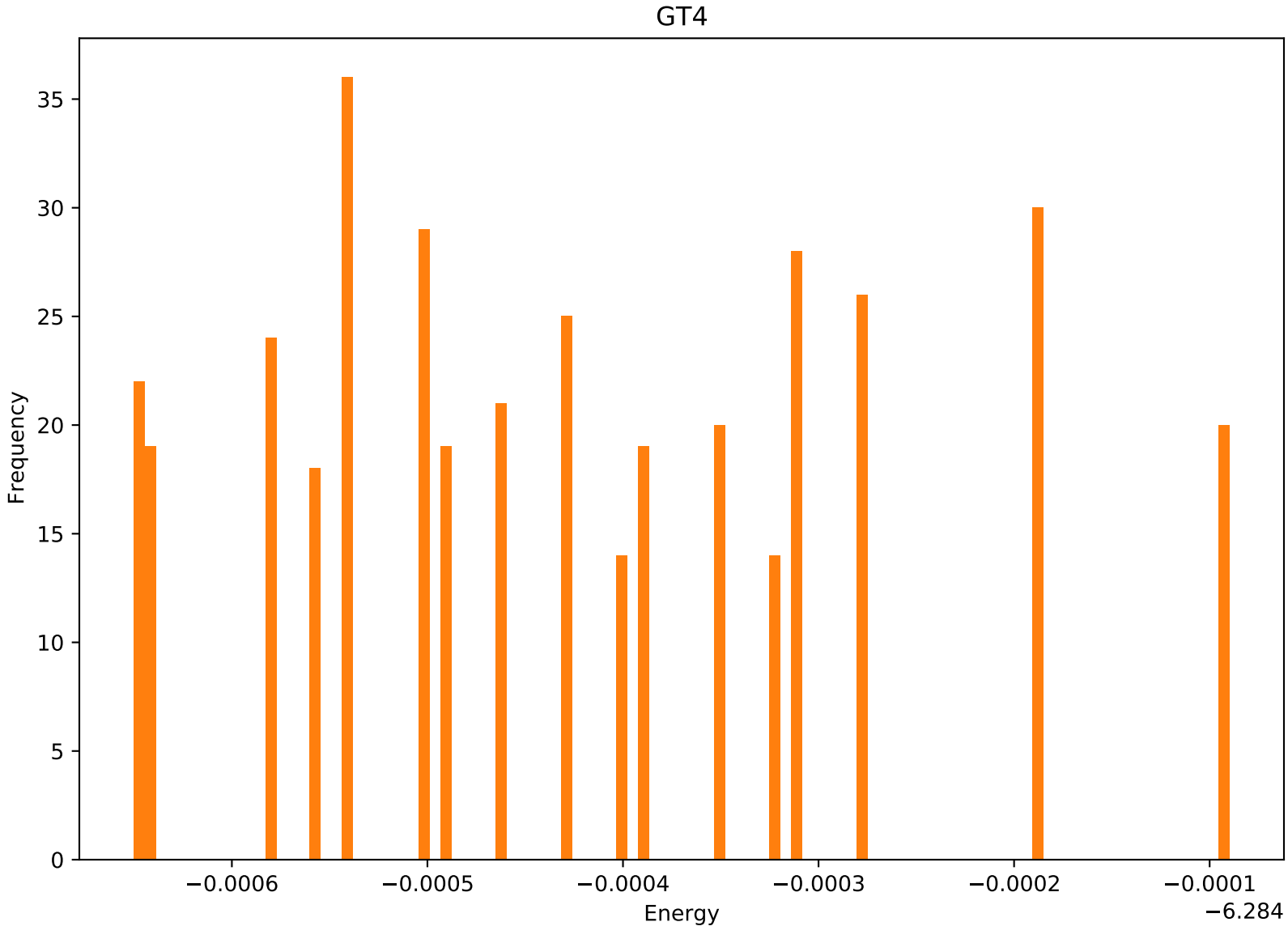

GS8
Frequency
0
20
40
60
80
−97
−96
−95
−94
−93
−92
−91
−90
−89
Energy
1e−8−5.527e−3

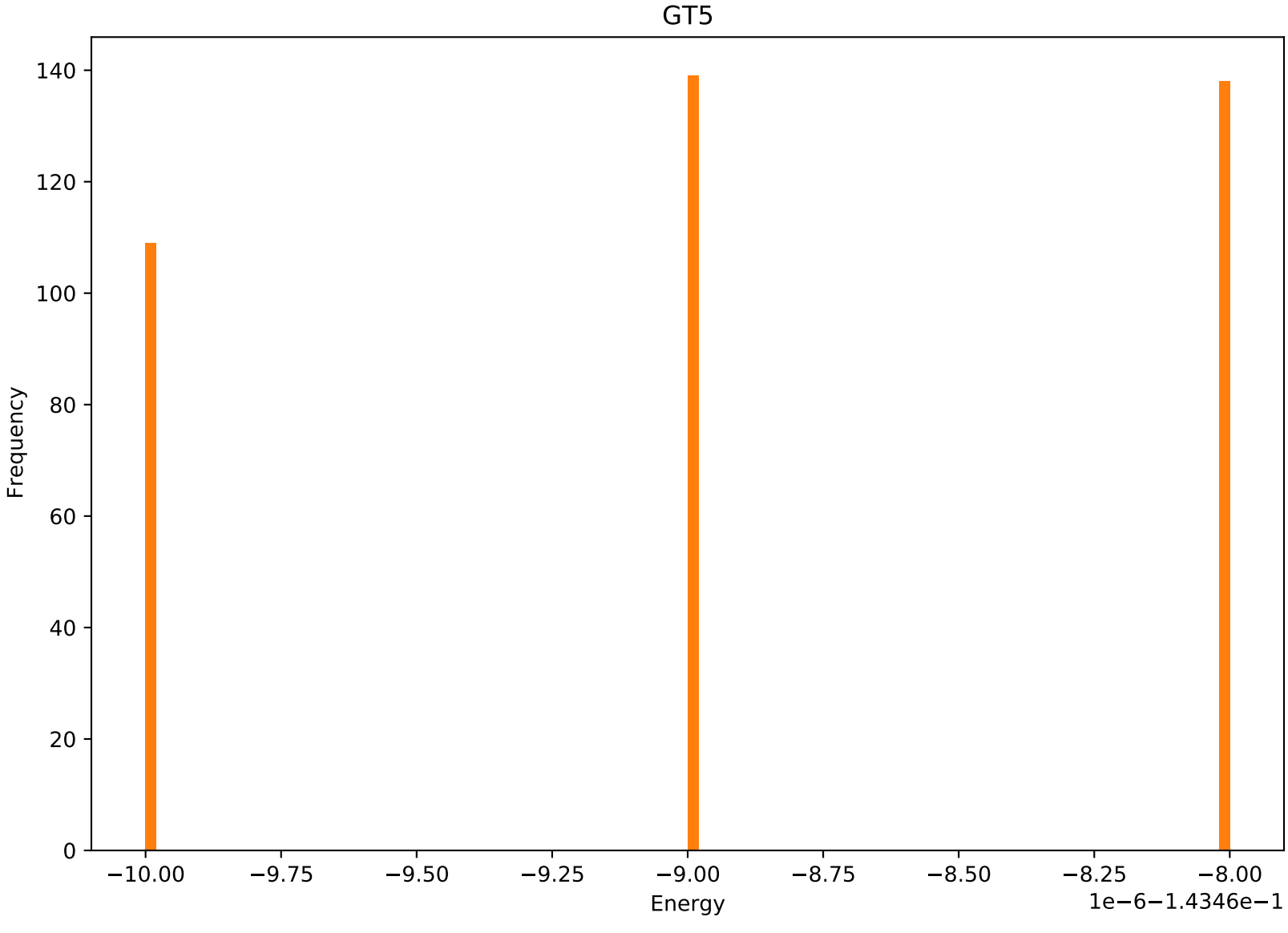

GS9
Frequency
0
10
20
30
40
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

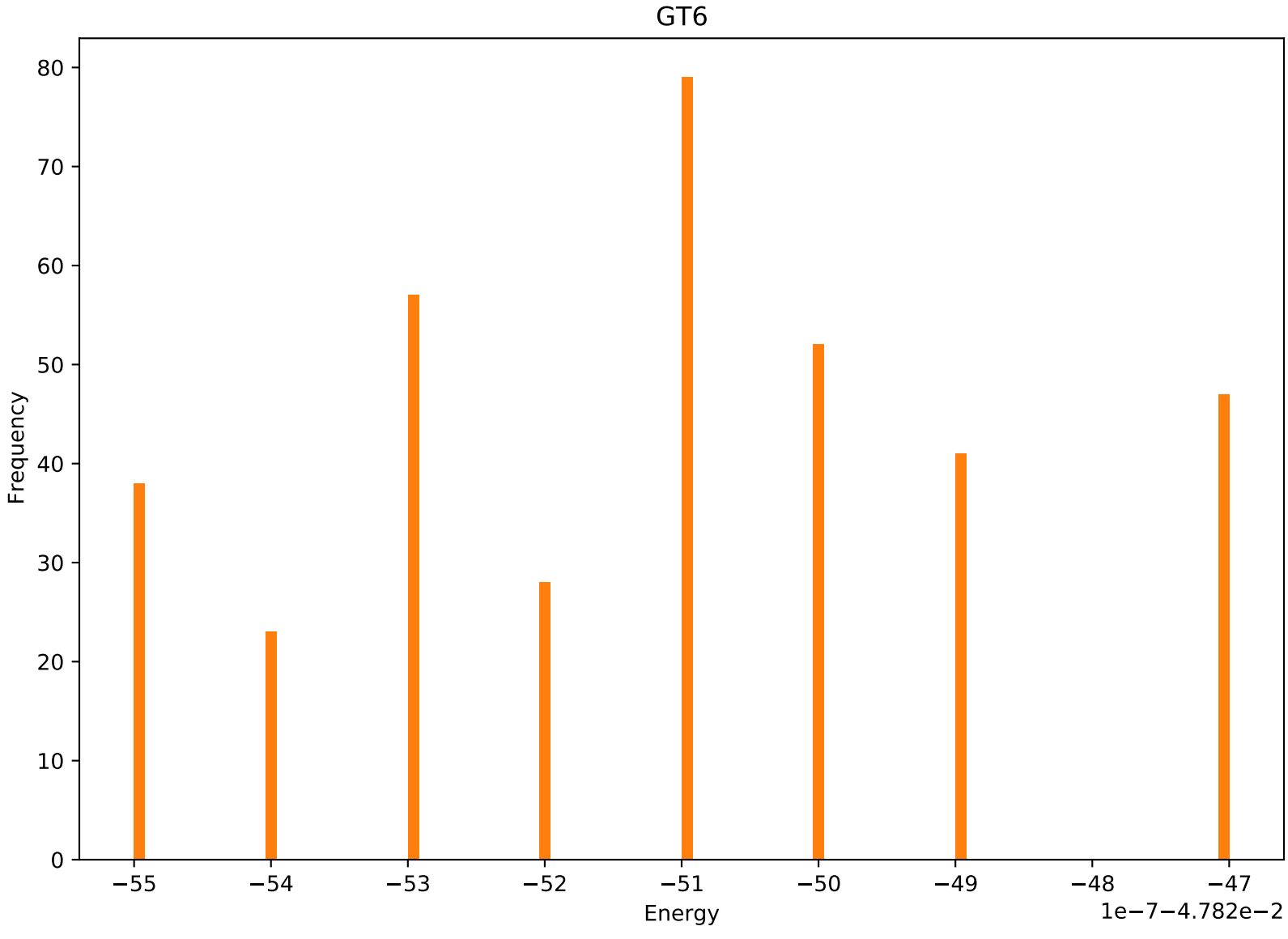

GT1
70
60
50
40
30
20
10
0
Frequency
0.0003
0.0004
0.0005
0.0006
0.0007
Energy
+2.211

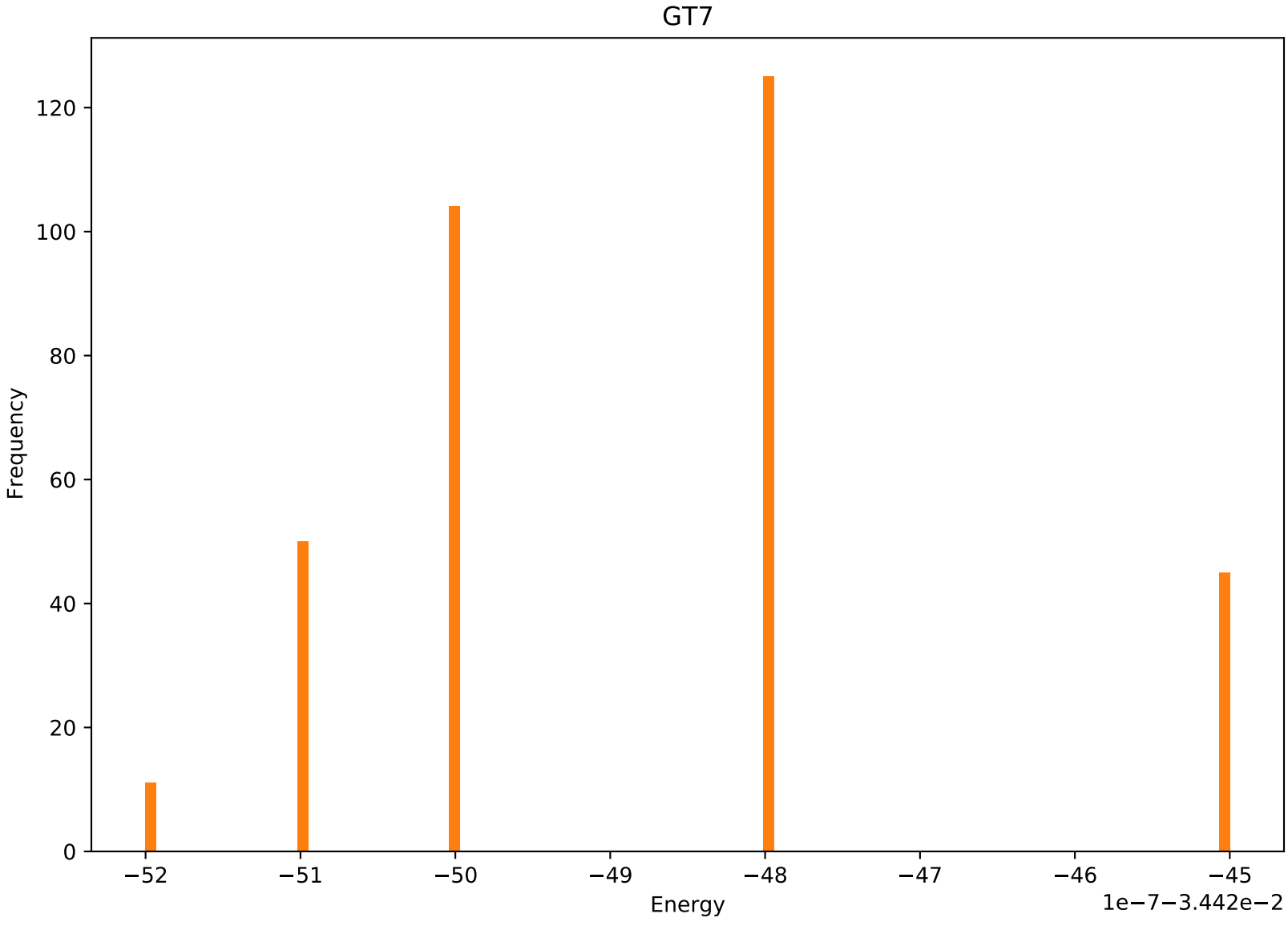

GT2
Frequency
0
10
20
30
40
50
−6
−5
−4
−3
Energy
1e−5−9.171e−1

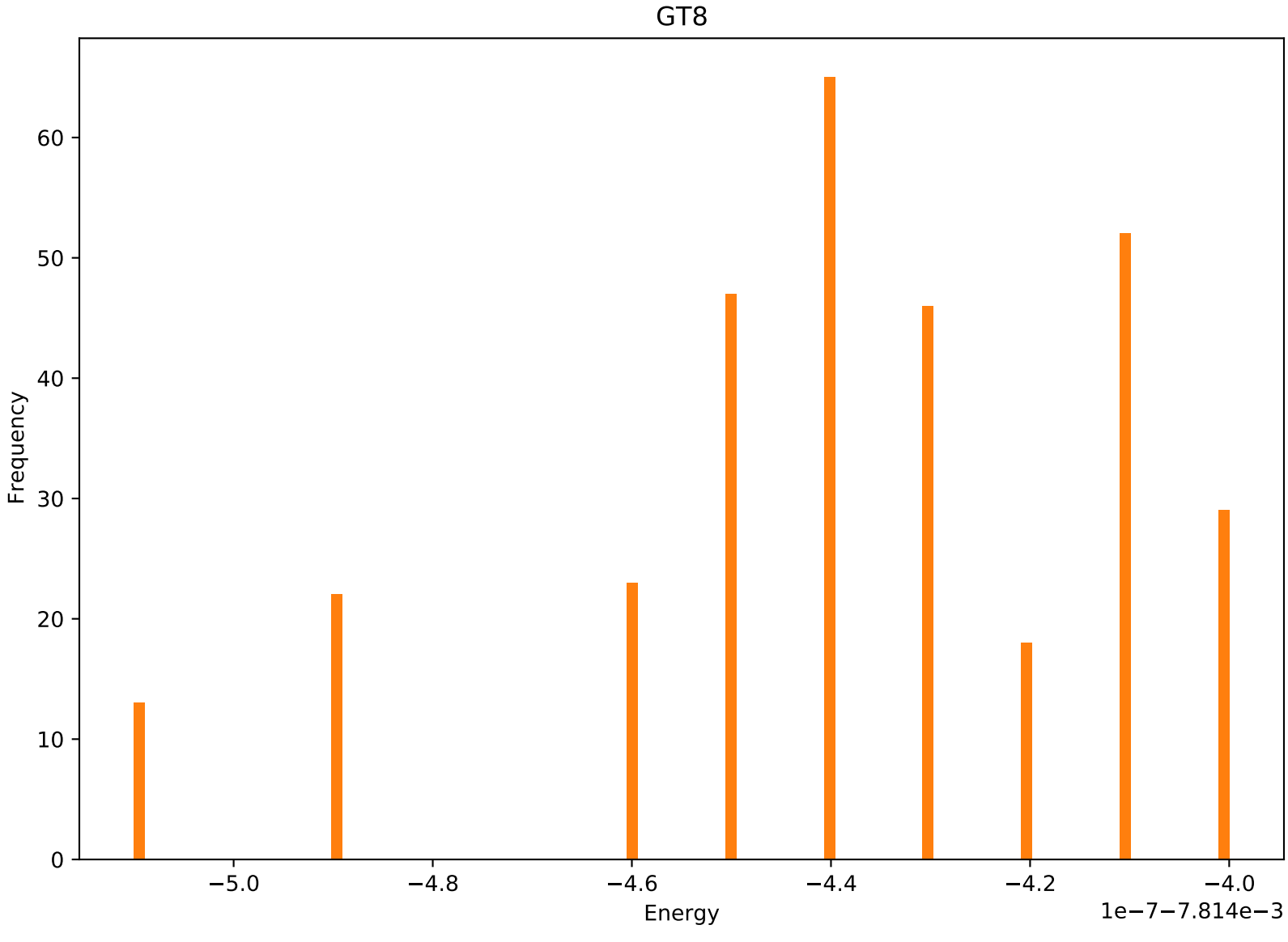

GT3
Frequency
0
20
40
60
80
−0.0010
−0.0009
−0.0008
−0.0007
−0.0006
−0.0005
Energy
−1.233

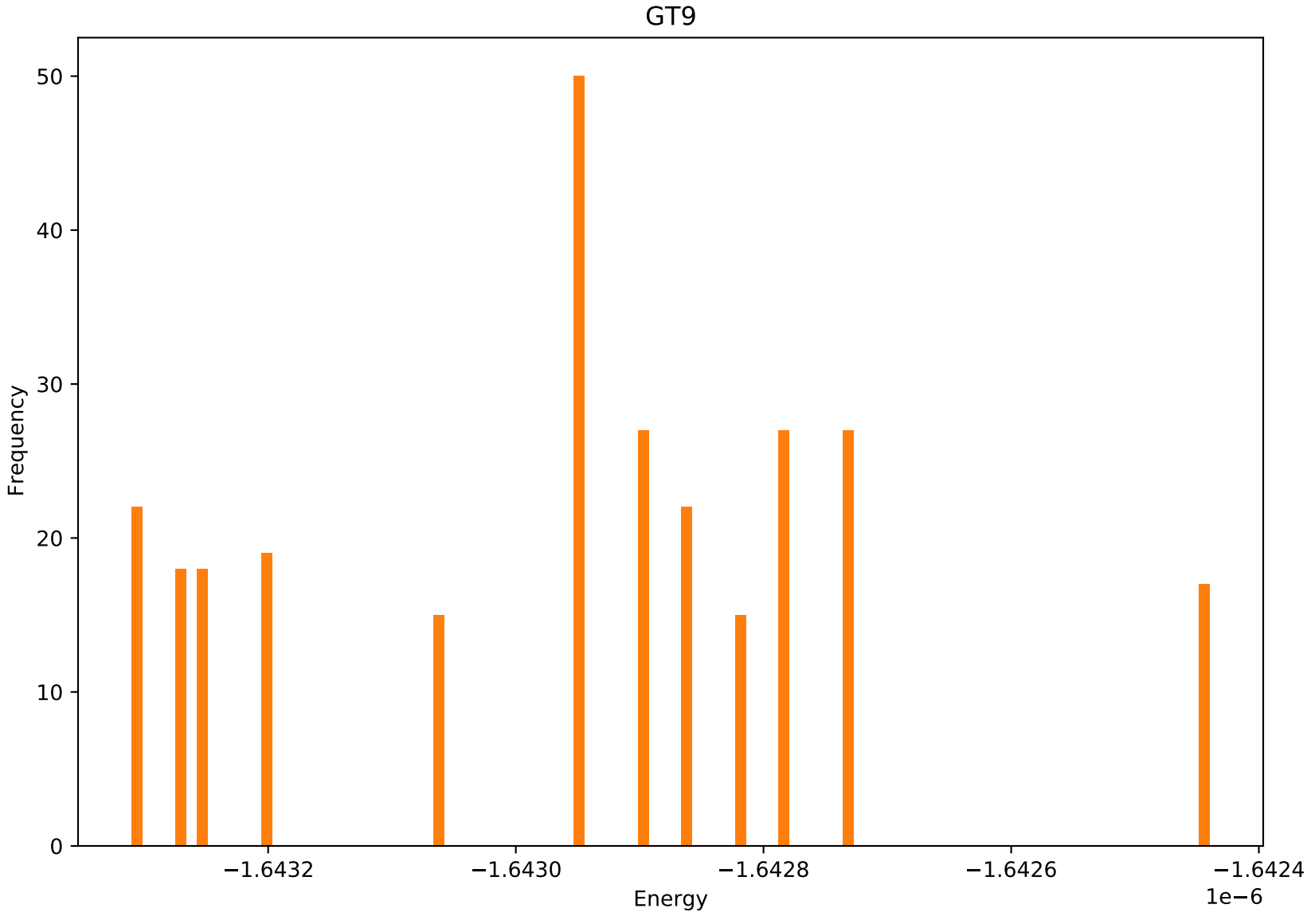

GT4
Frequency
0
5
10
15
20
25
30
35
−0.0006
−0.0005
−0.0004
−0.0003
−0.0002
−0.0001
Energy
−6.284

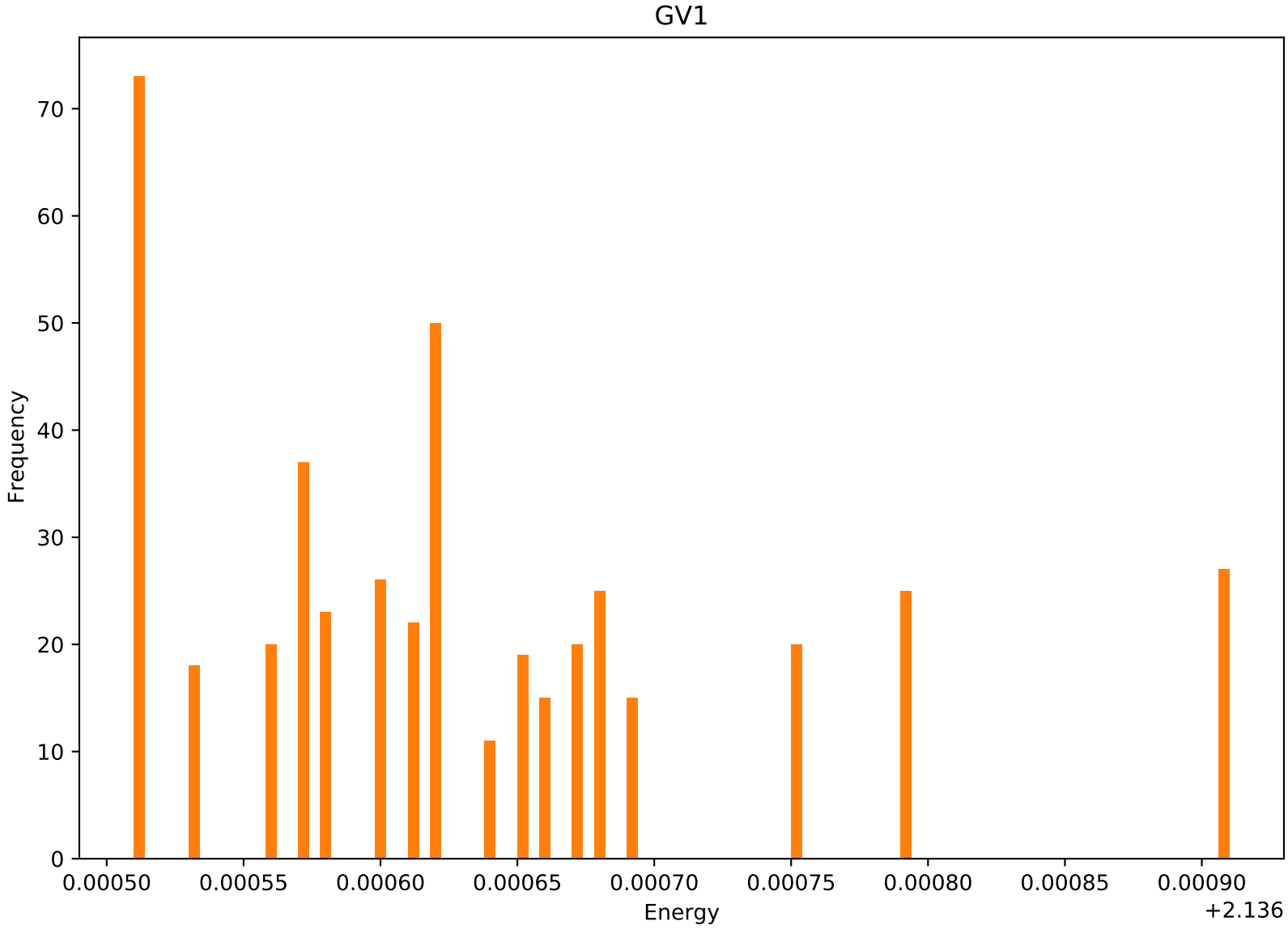

GT5
140
120
100
80
60
40
20
0
Frequency
−10.00
−9.75
−9.50
−9.25
−9.00
−8.75
−8.50
−8.25
−8.00
Energy
1e−6−1.4346e−1

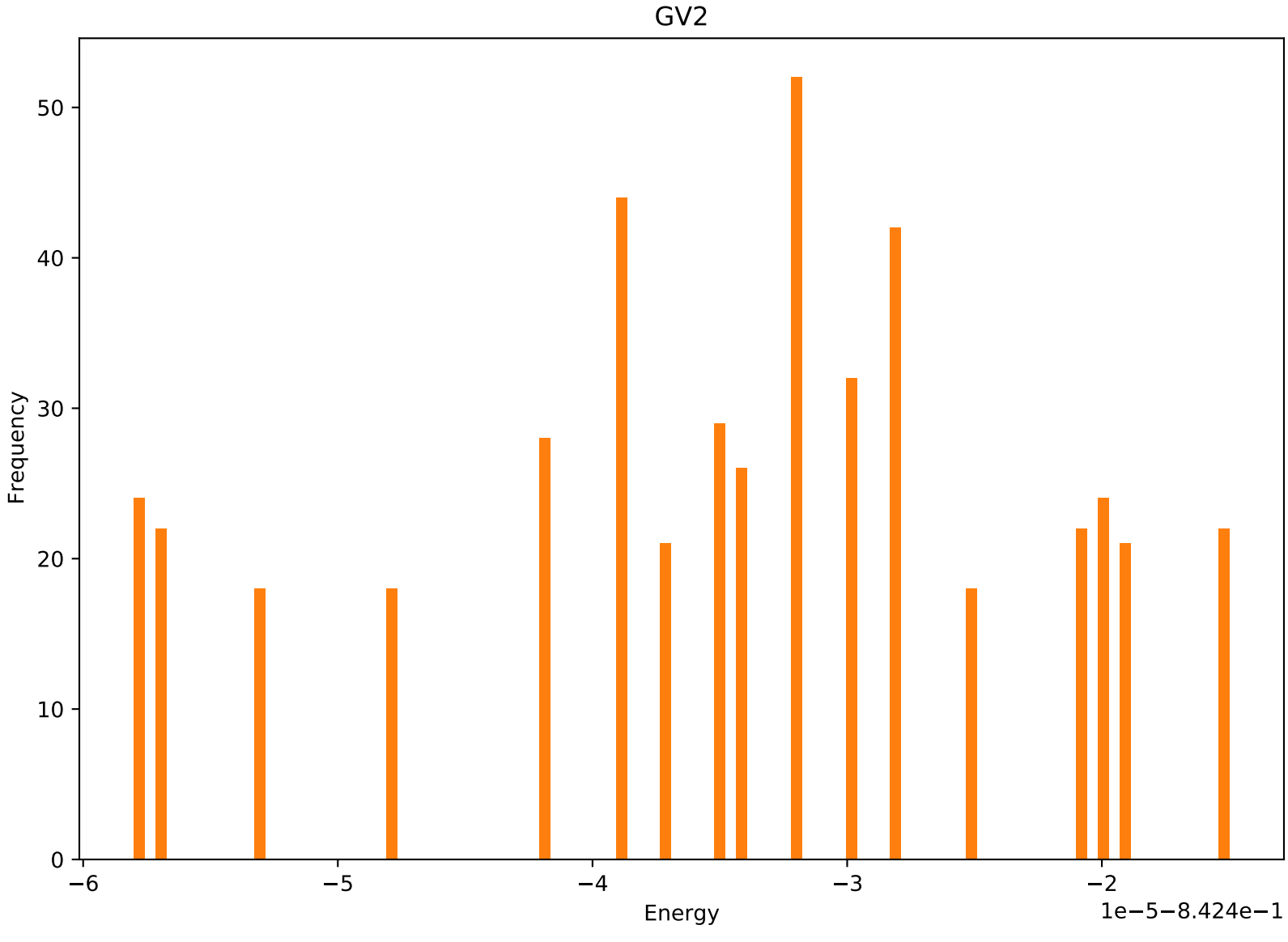

GT6
Frequency
80
70
60
50
40
30
20
10
0
−55
−54
−53
−52
−51
−50
−49
−48
−47
Energy
1e−7−4.782e−2

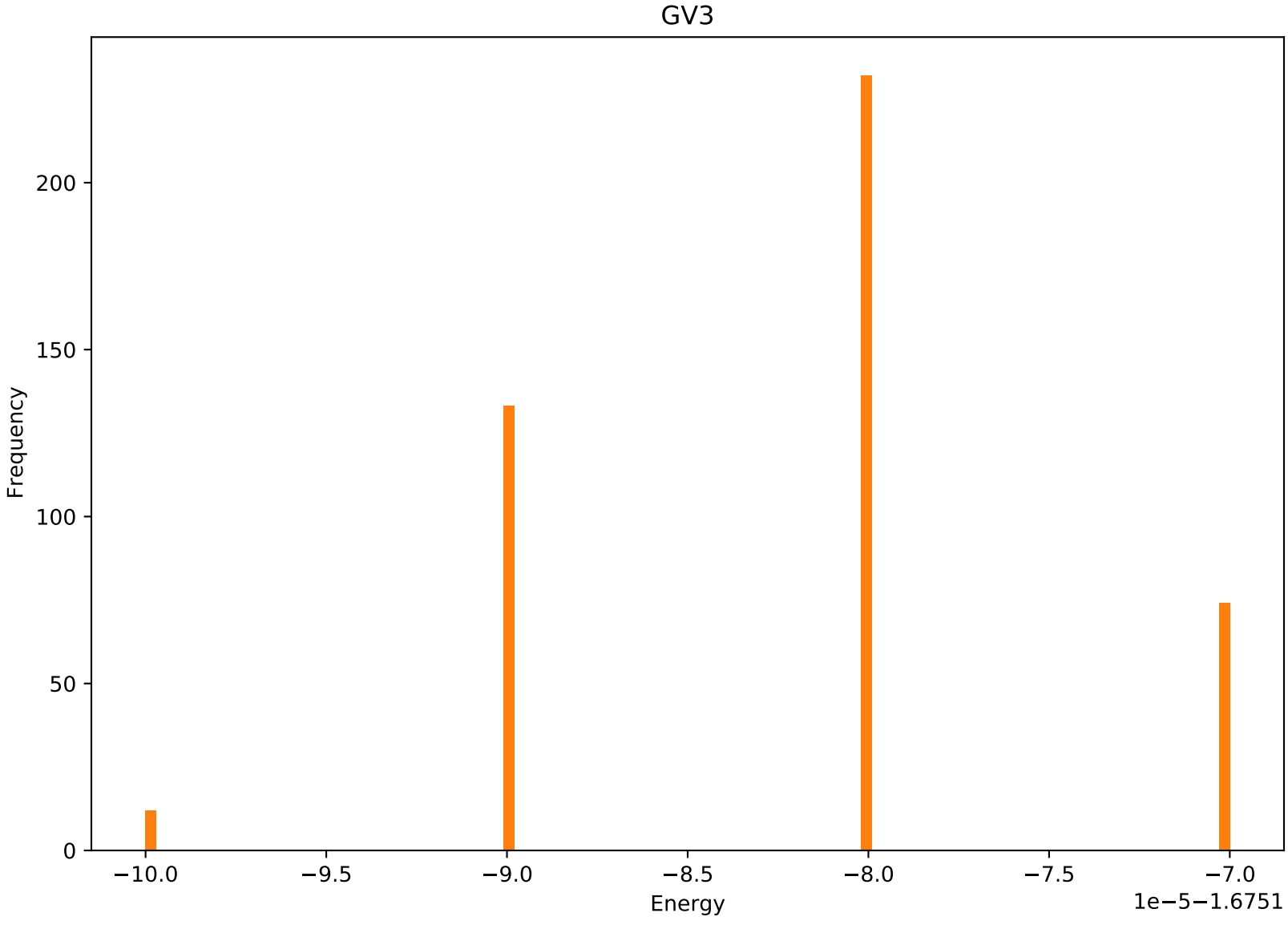

GT7
Frequency
120
100
80
60
40
20
0
−52
−51
−50
−49
−48
−47
−46
−45
Energy
1e−7−3.442e−2

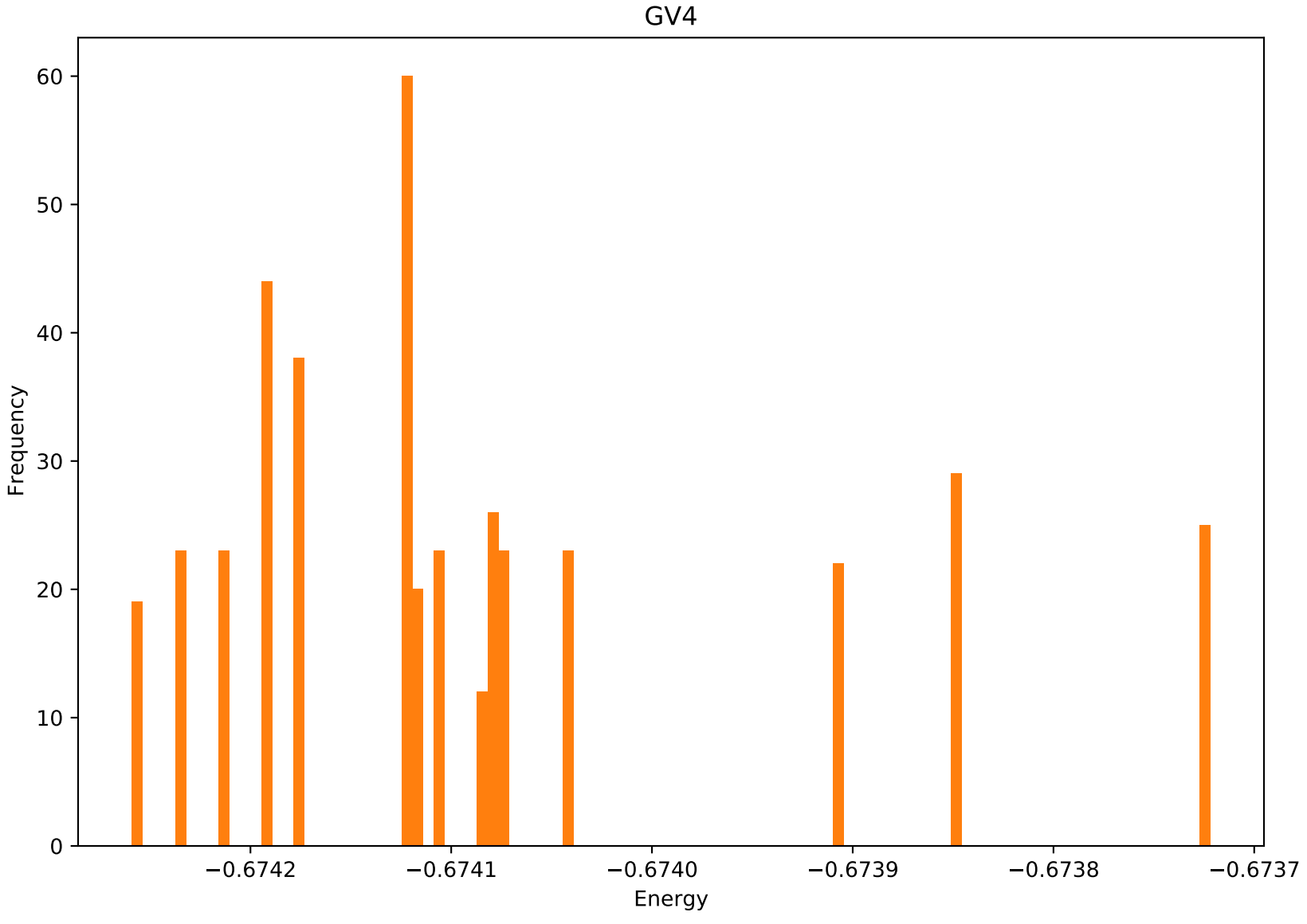

GT8
Frequency
0
10
20
30
40
50
60
−5.0
−4.8
−4.6
−4.4
−4.2
−4.0
Energy
1e−7−7.814e−3

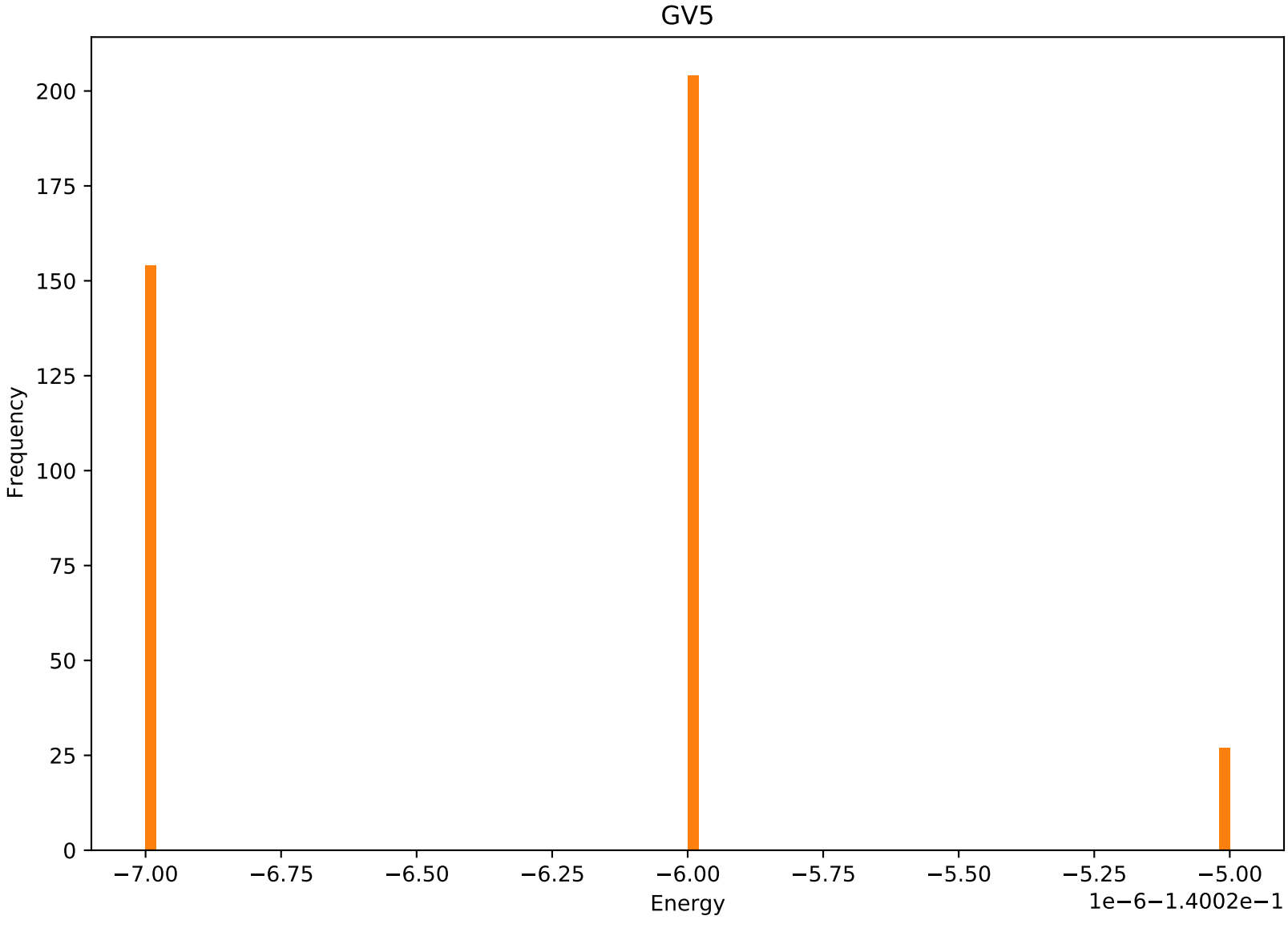

GT9
Frequency
0
10
20
30
40
50
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

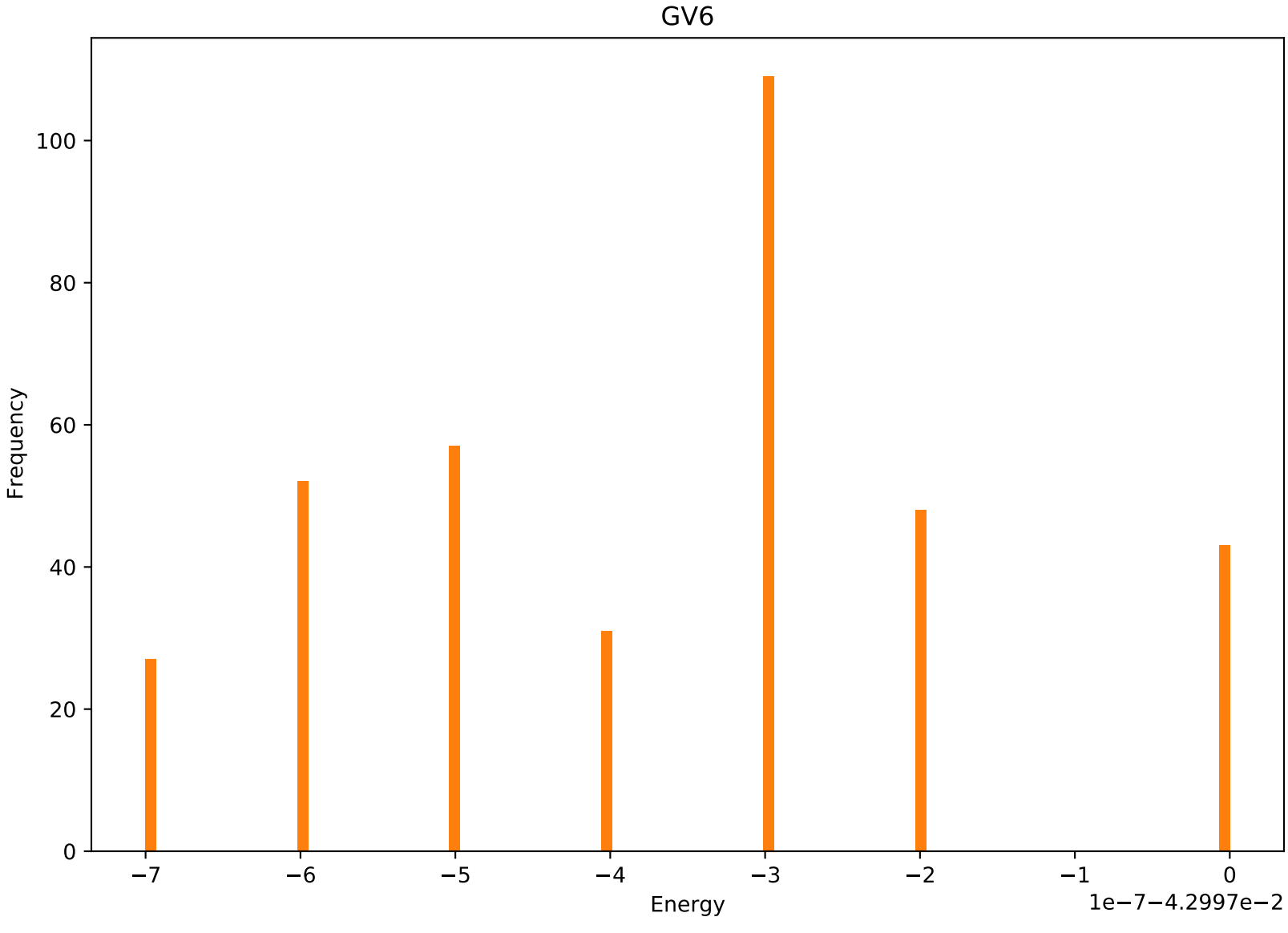

GV1
Frequency
0
10
20
30
40
50
60
70
0.00050
0.00055
0.00060
0.00065
0.00070
0.00075
0.00080
0.00085
0.00090
Energy
+2.136

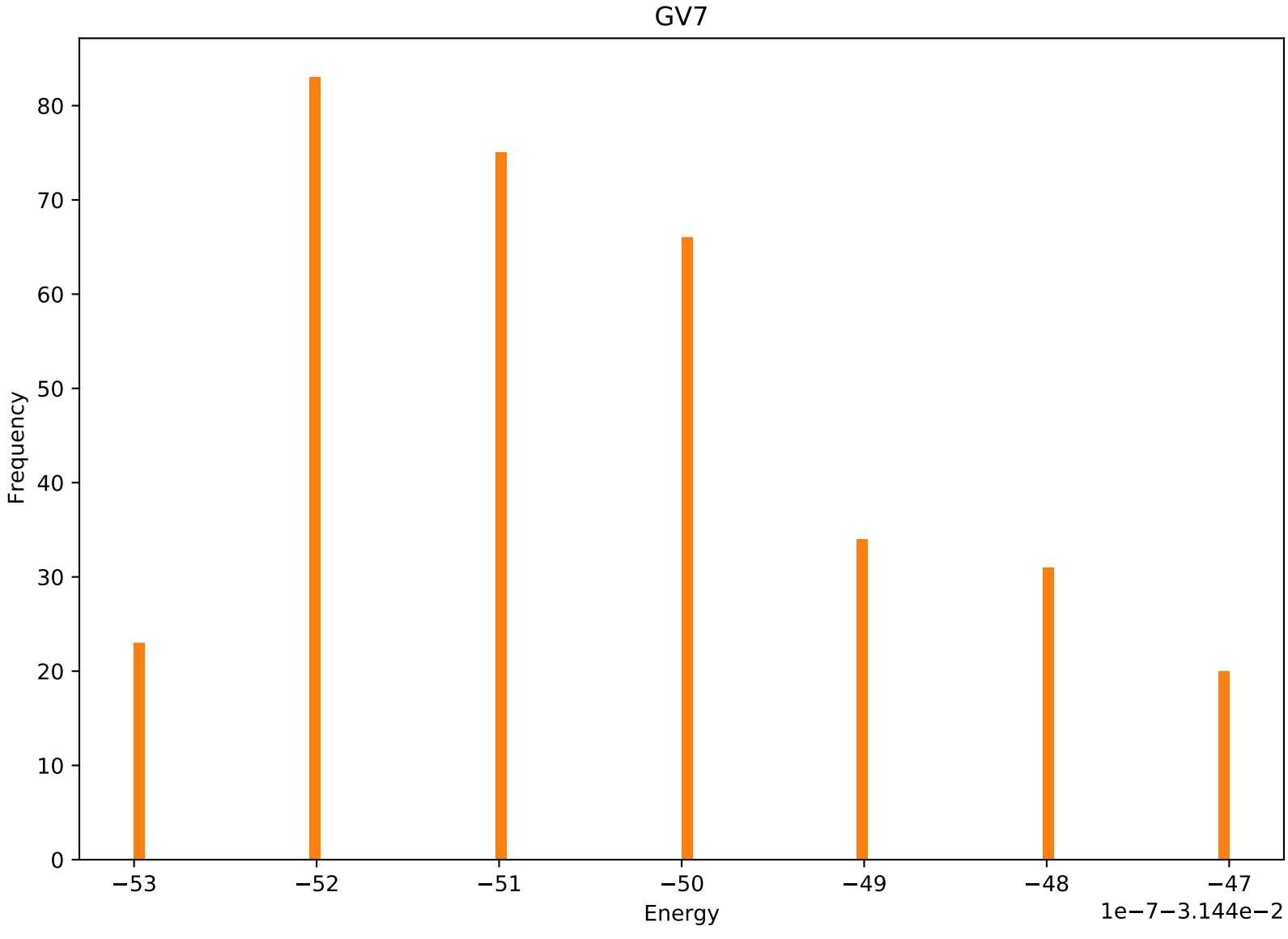

GV2
Frequency
0
10
20
30
40
50
−6
−5
−4
−3
−2
Energy
1e−5−8.424e−1

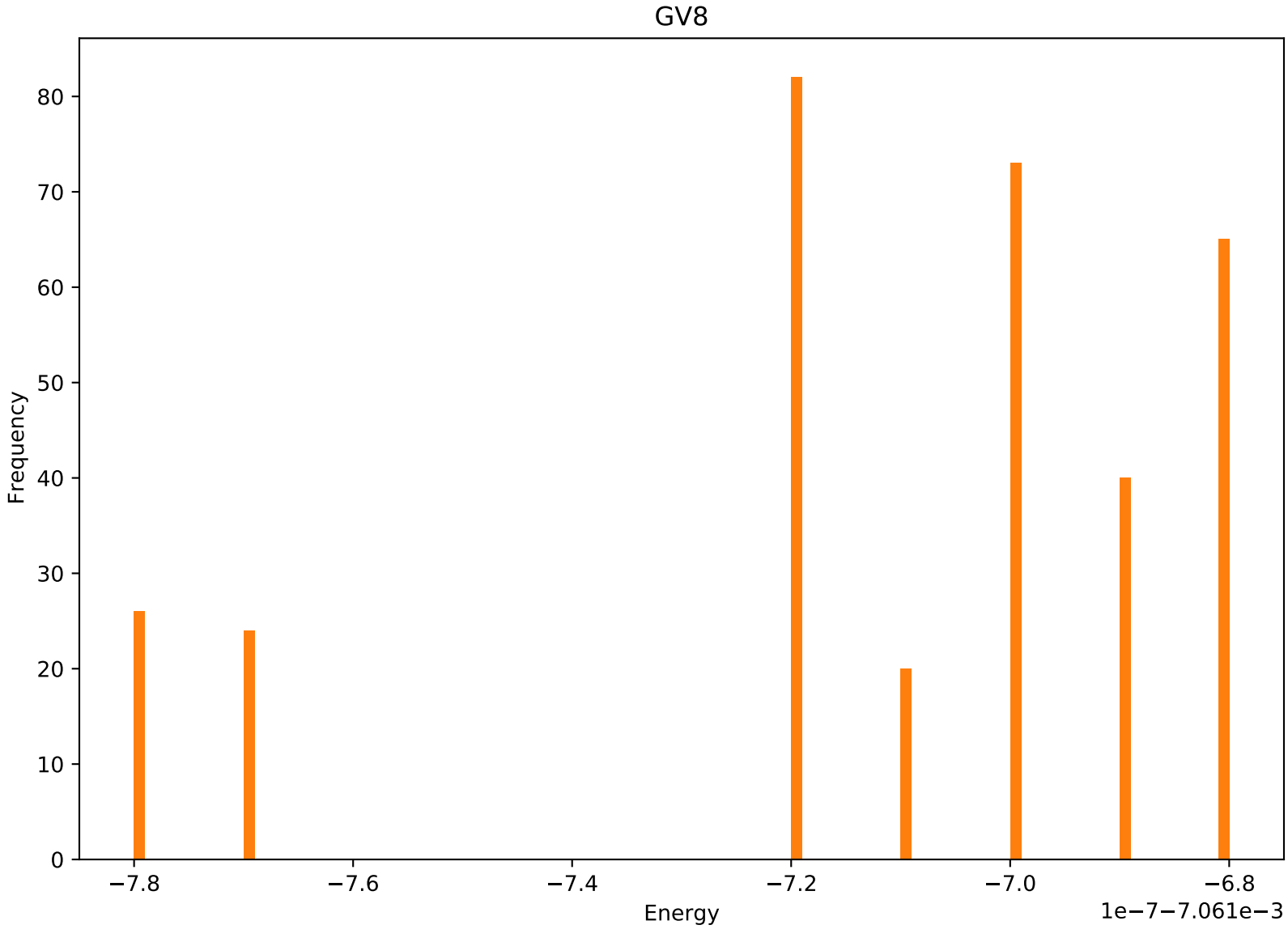

GV3
Frequency
200
150
100
50
0
−10.0
−9.5
−9.0
−8.5
−8.0
−7.5
−7.0
Energy
1e−5−1.6751

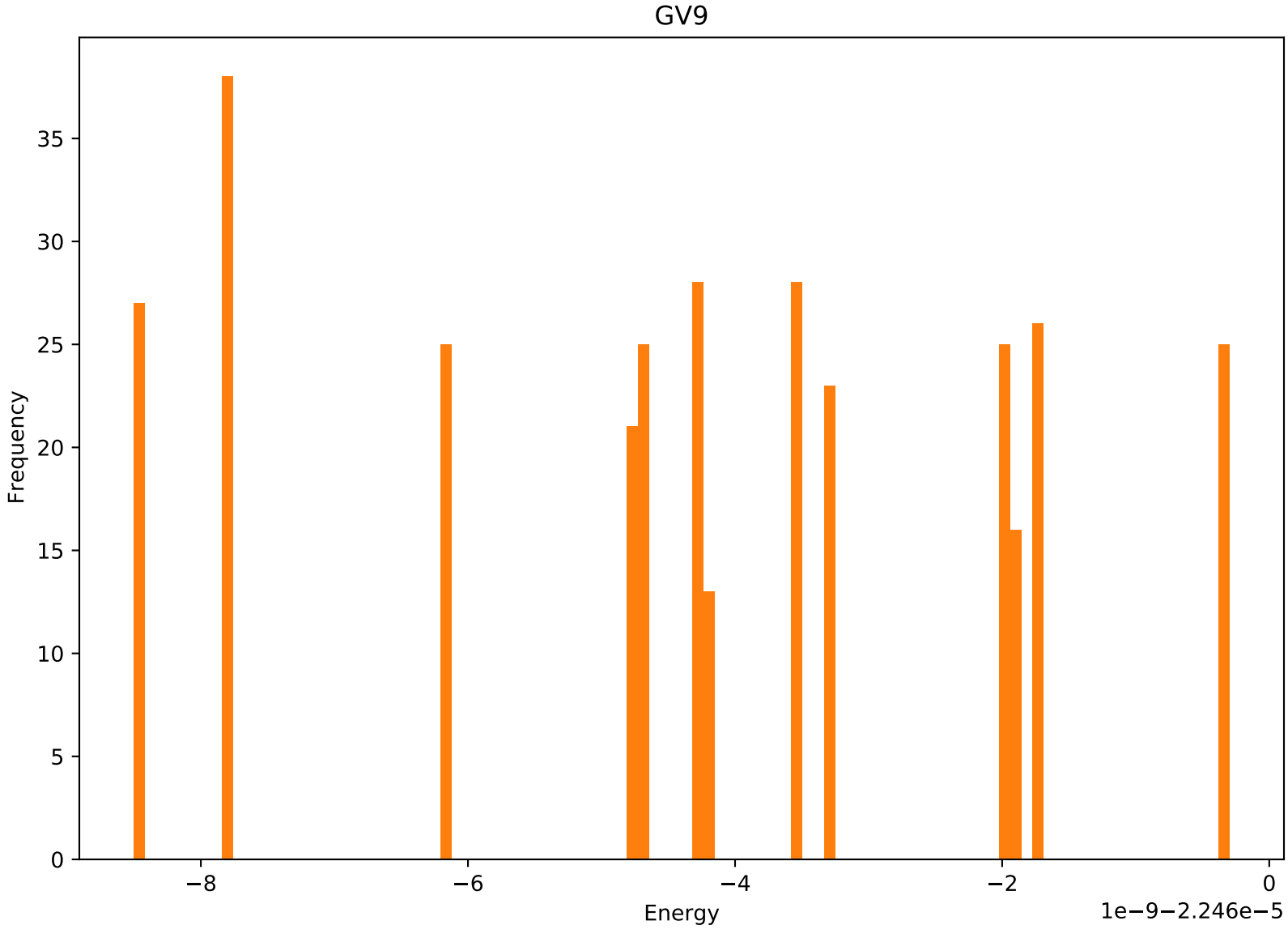

GV4
Frequency
Energy
0
10
20
30
40
50
60
−0.6742
−0.6741
−0.6740
−0.6739
−0.6738
−0.6737

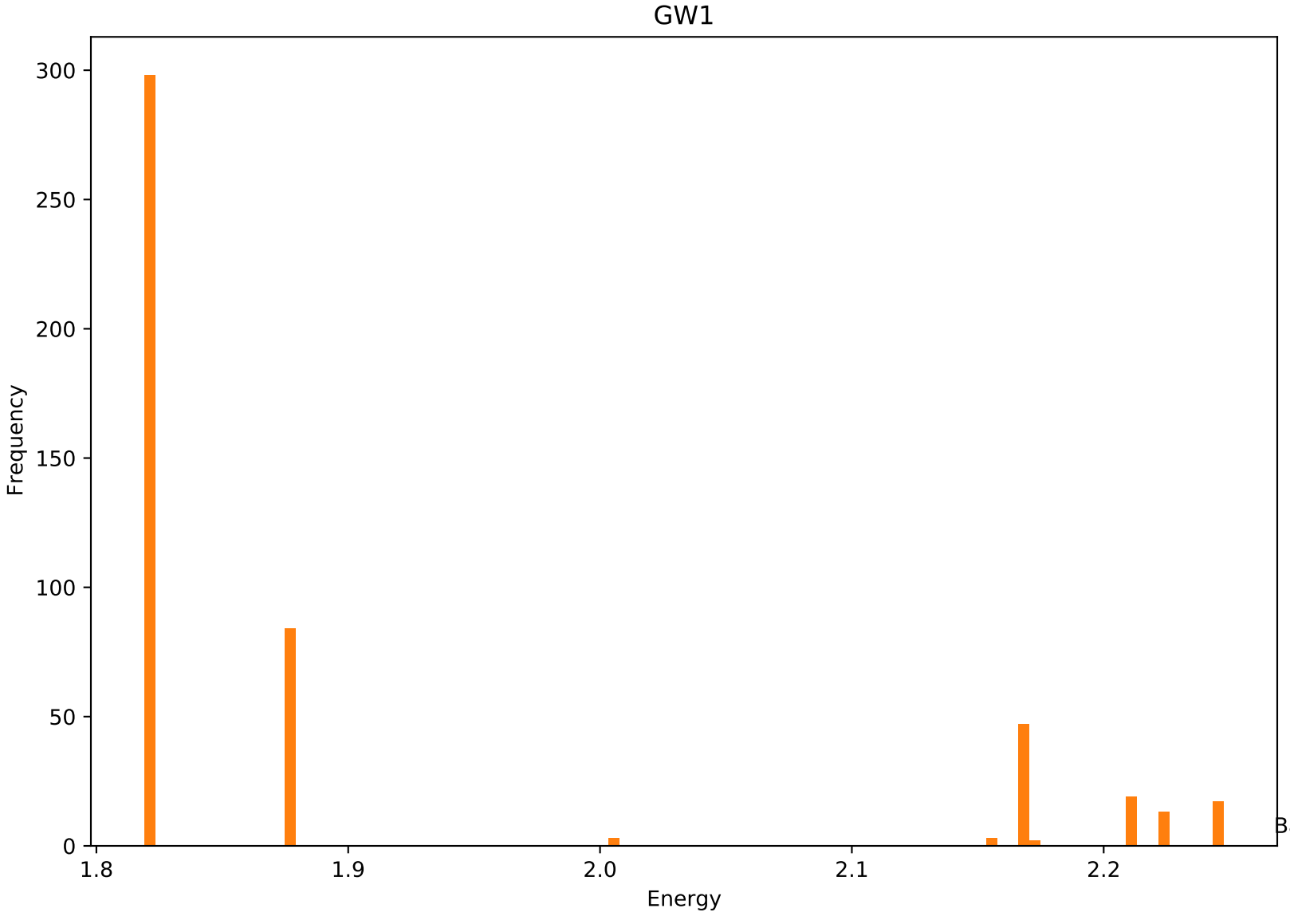

GV5
Frequency
200
175
150
125
100
75
50
25
0
−7.00
−6.75
−6.50
−6.25
−6.00
−5.75
−5.50
−5.25
−5.00
Energy
1e−6−1.4002e−1


GV6
Frequency
100
80
60
40
20
0
−7
−6
−5
−4
−3
−2
−1
0
Energy
1e−7−4.2997e−2

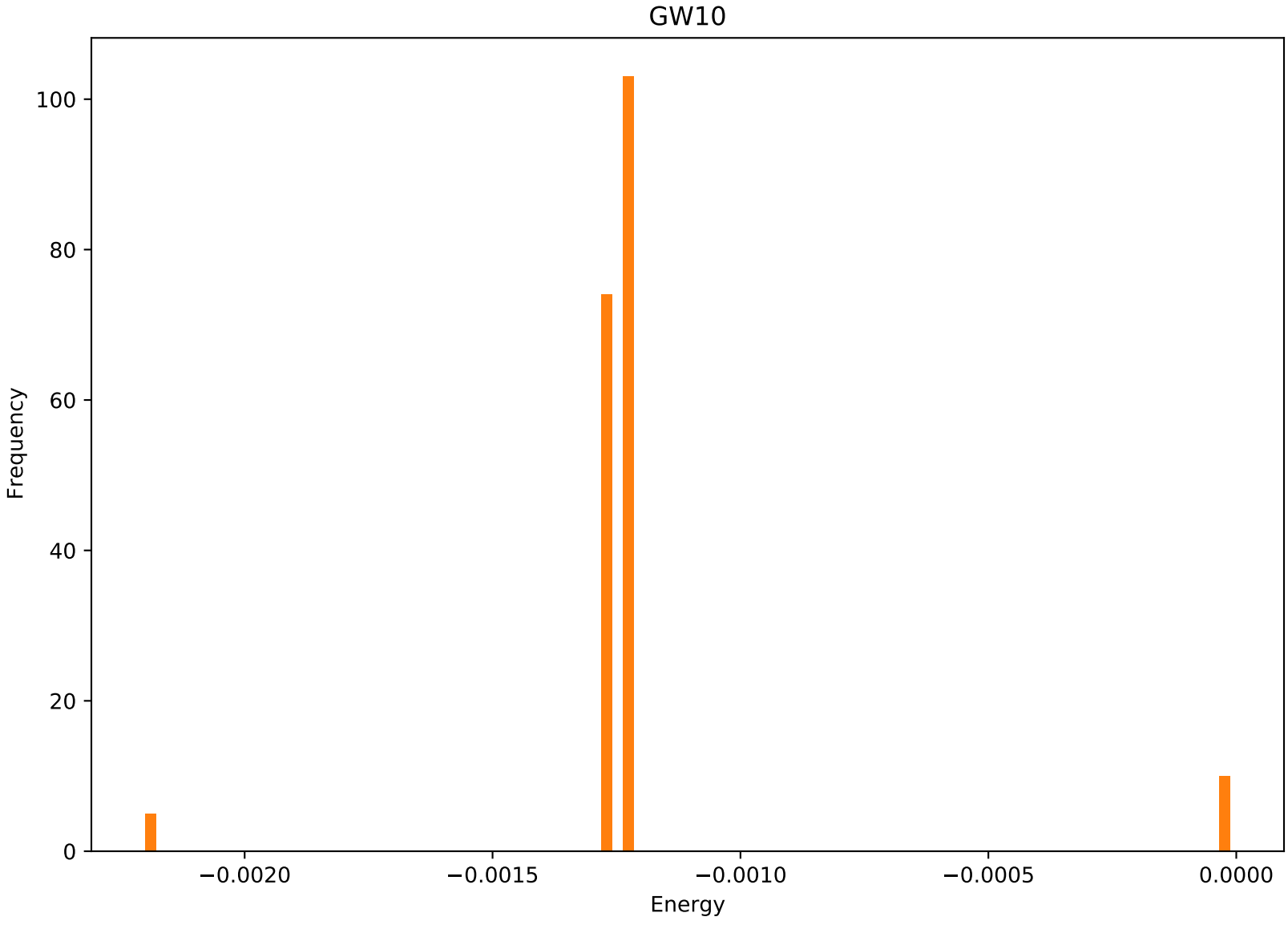

GV7
Frequency
0
10
20
30
40
50
60
70
80
−53
−52
−51
−50
−49
−48
−47
Energy
1e−7−3.144e−2

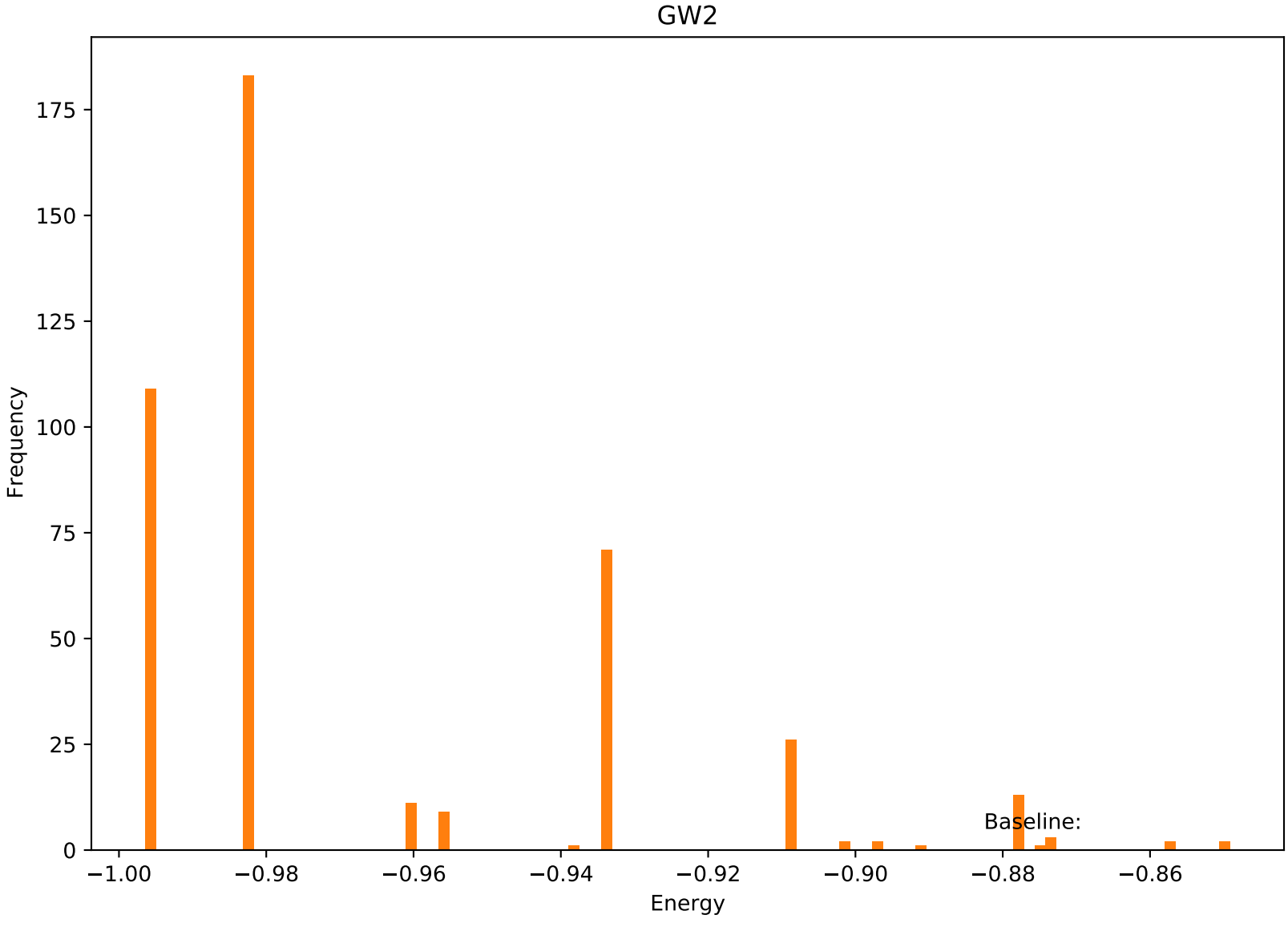

GV8
Frequency
0
10
20
30
40
50
60
70
80
−7.8
−7.6
−7.4
−7.2
−7.0
−6.8
Energy
1e−7−7.061e−3

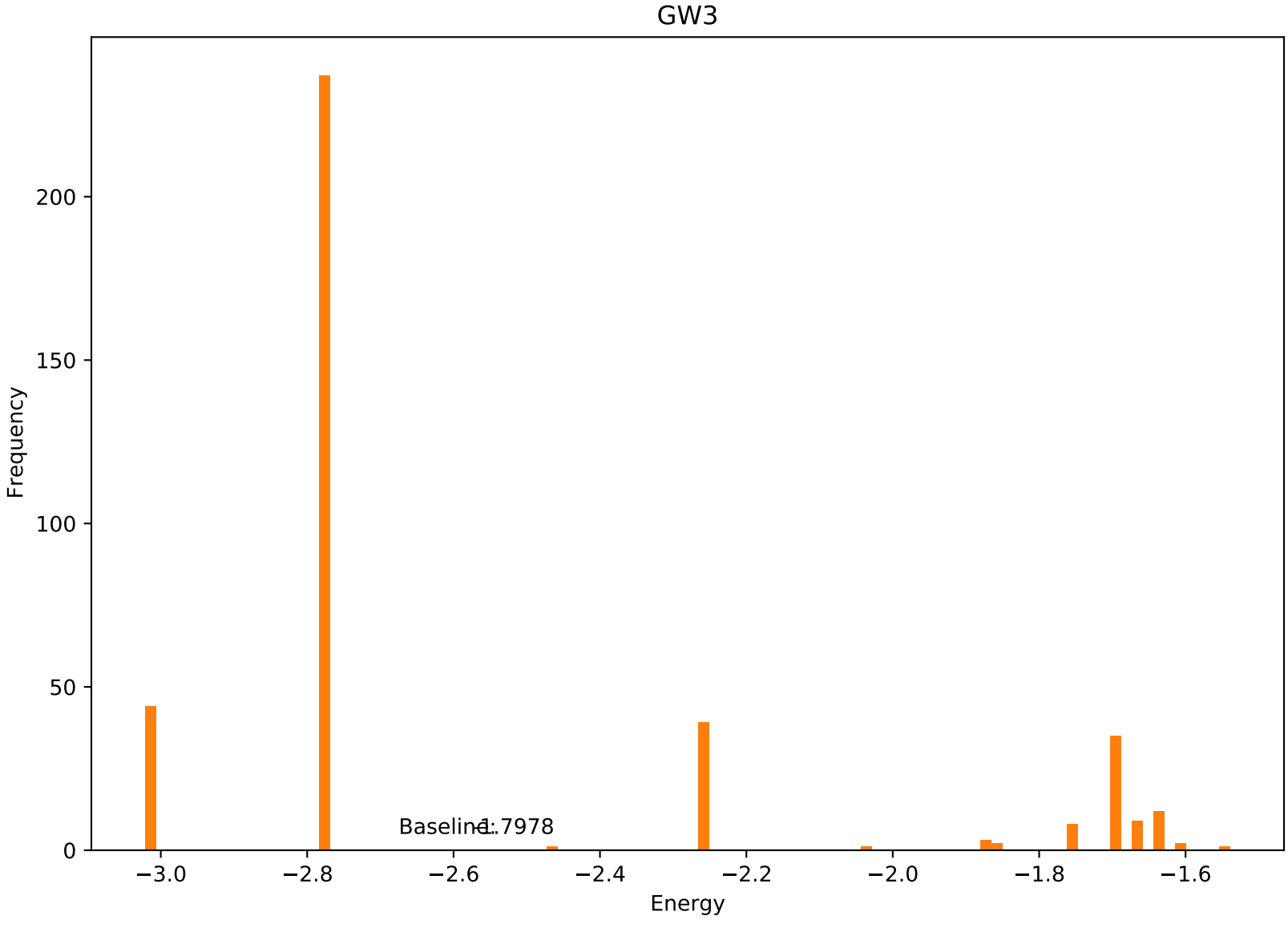

GV9
Frequency
0
5
10
15
20
25
30
35
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

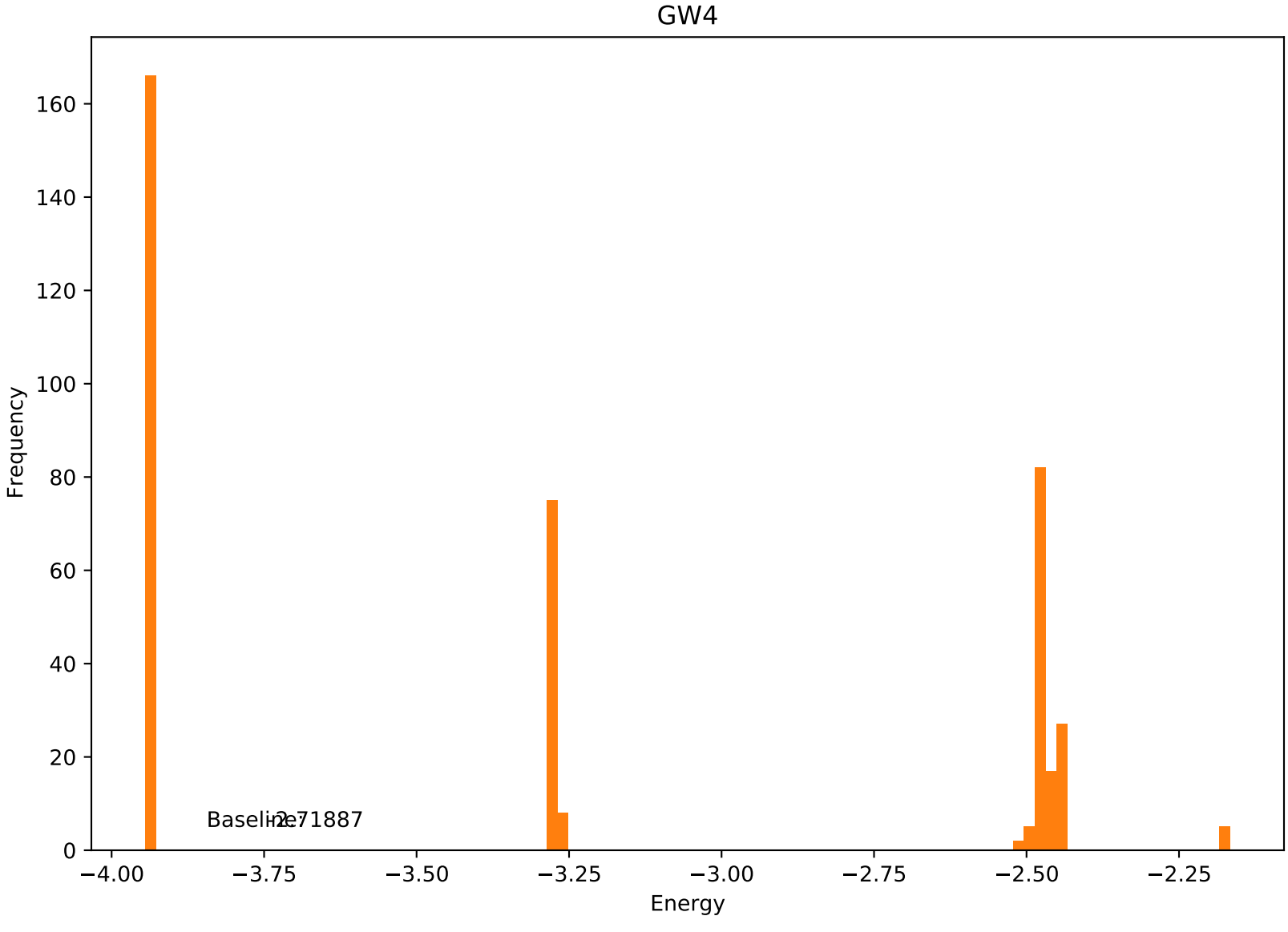


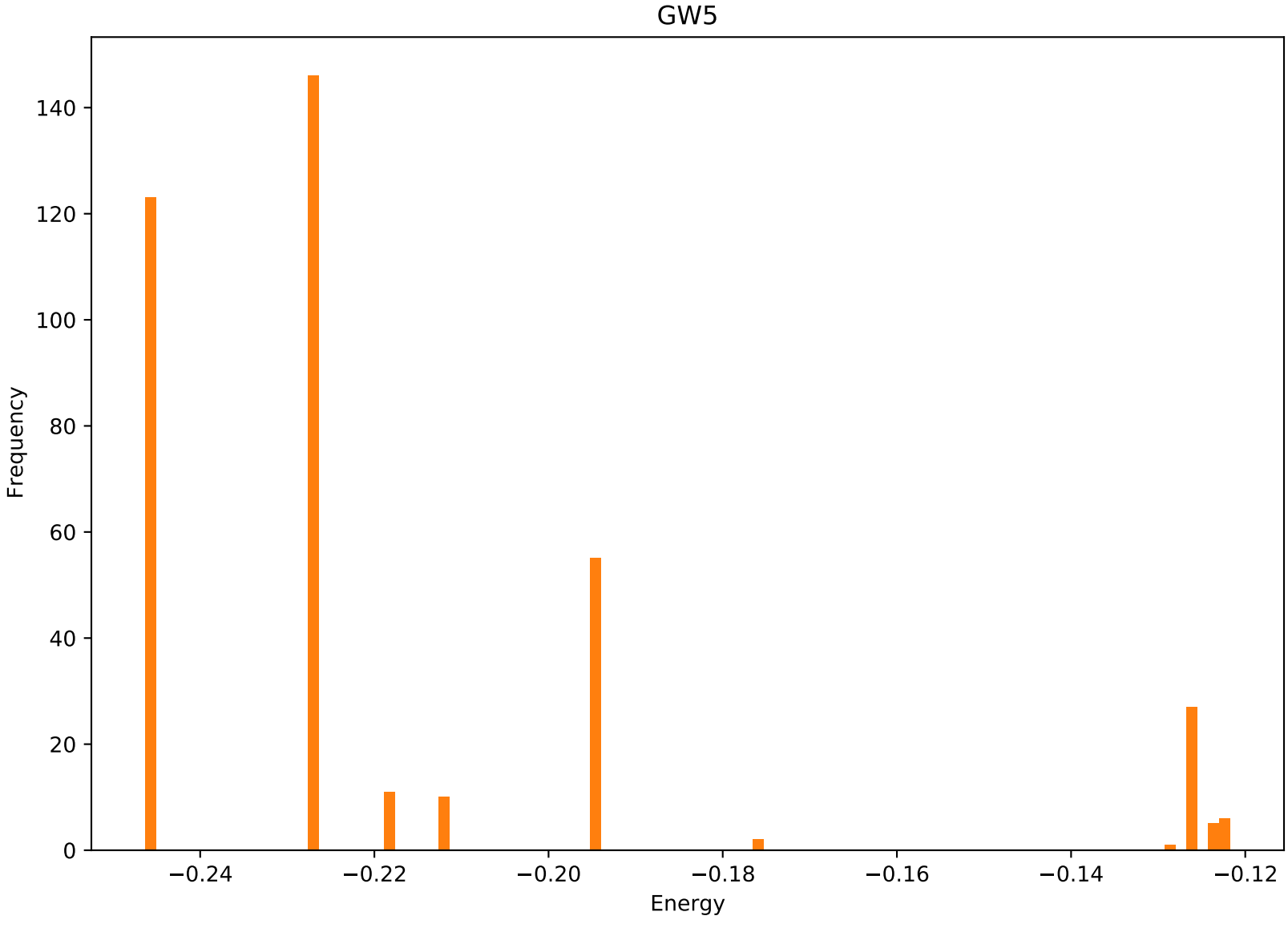
Baseline:

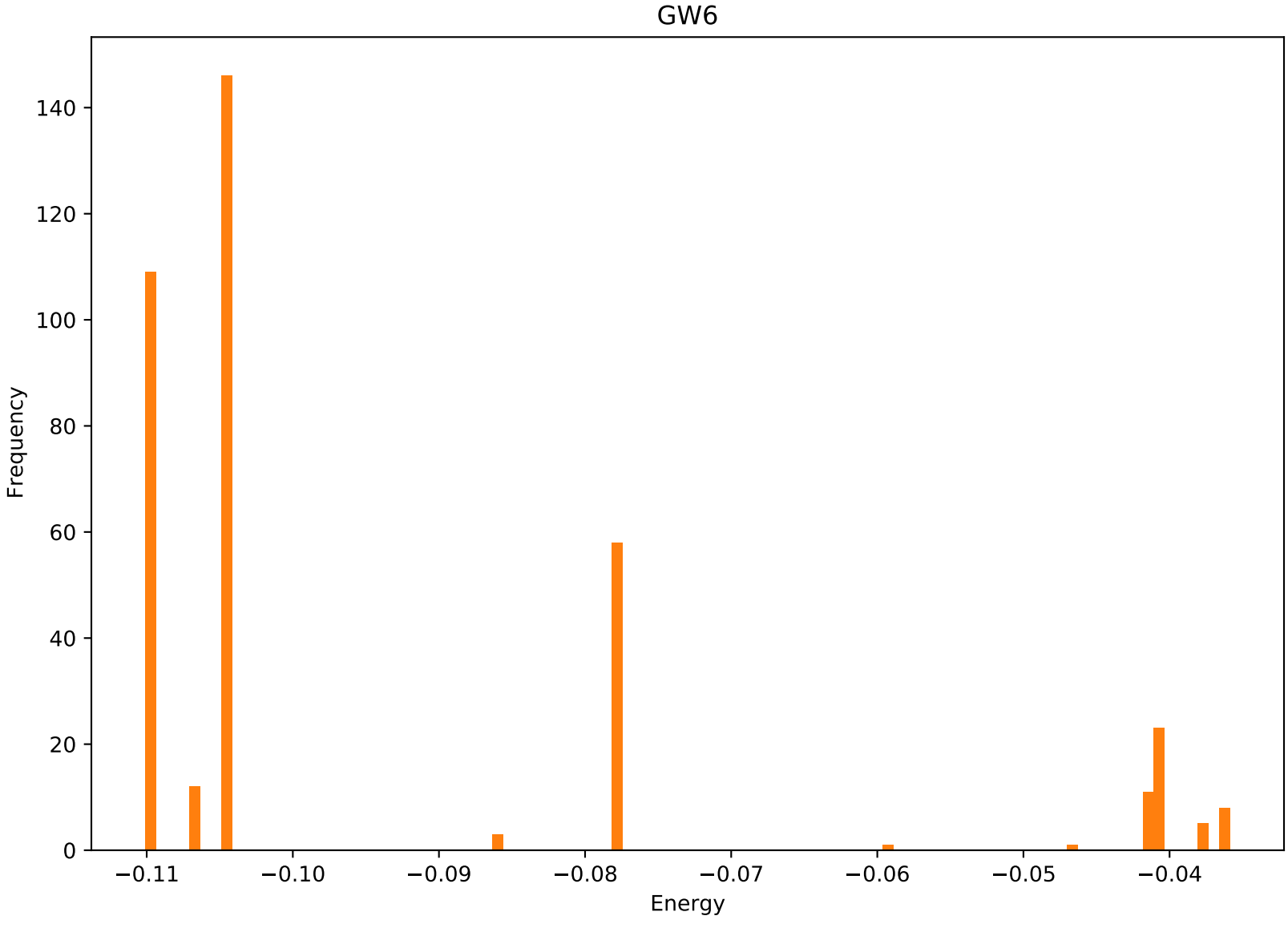

GW10
Frequency
Energy
0
20
40
60
80
100
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

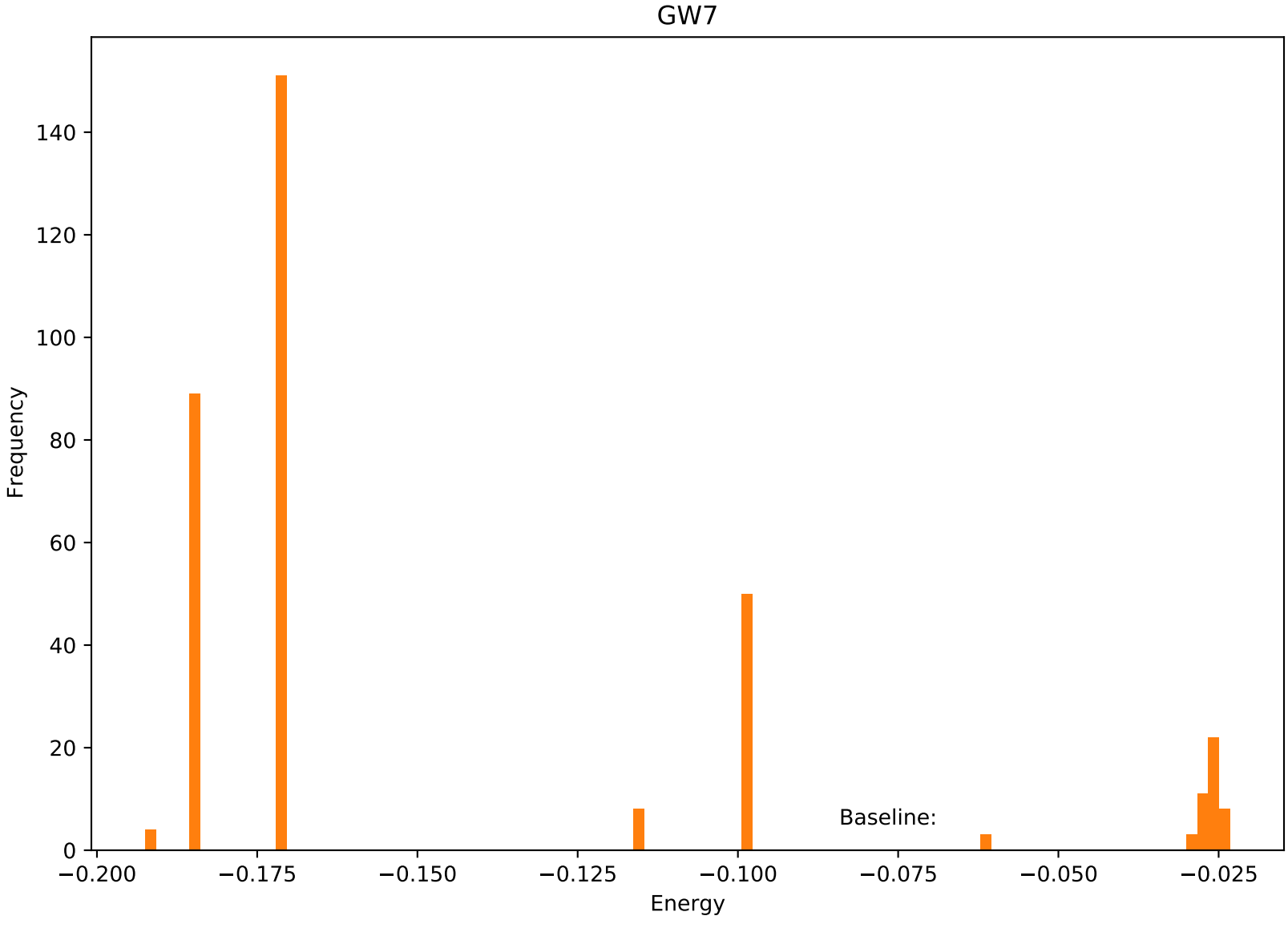

GW2
Frequency
175
150
125
100
75
50
25
0
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88
−0.86
Energy
Baseline:

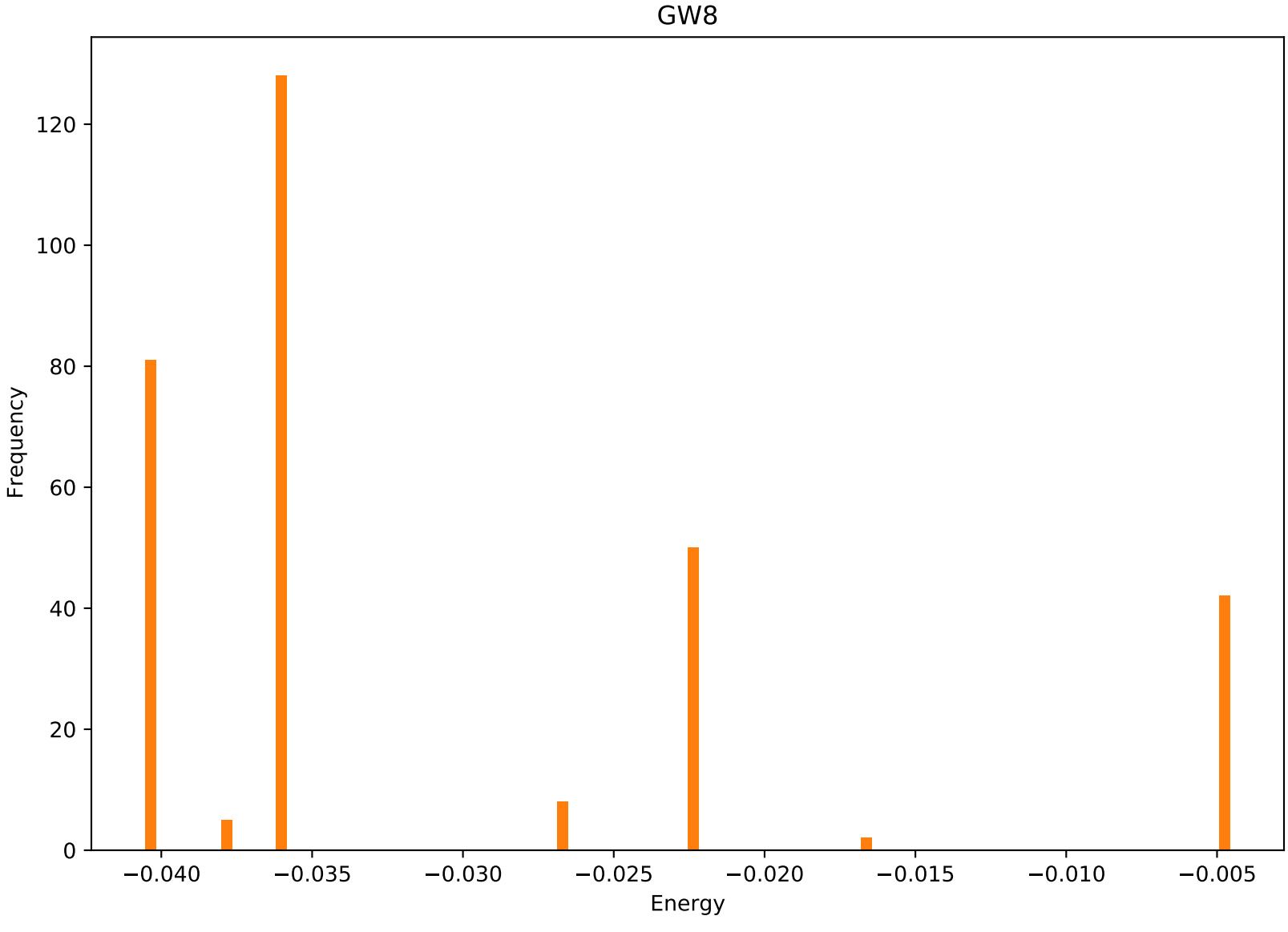

GW3
Frequency
200
150
100
50
0
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8
−1.6
Energy
Baseline: 1.7978

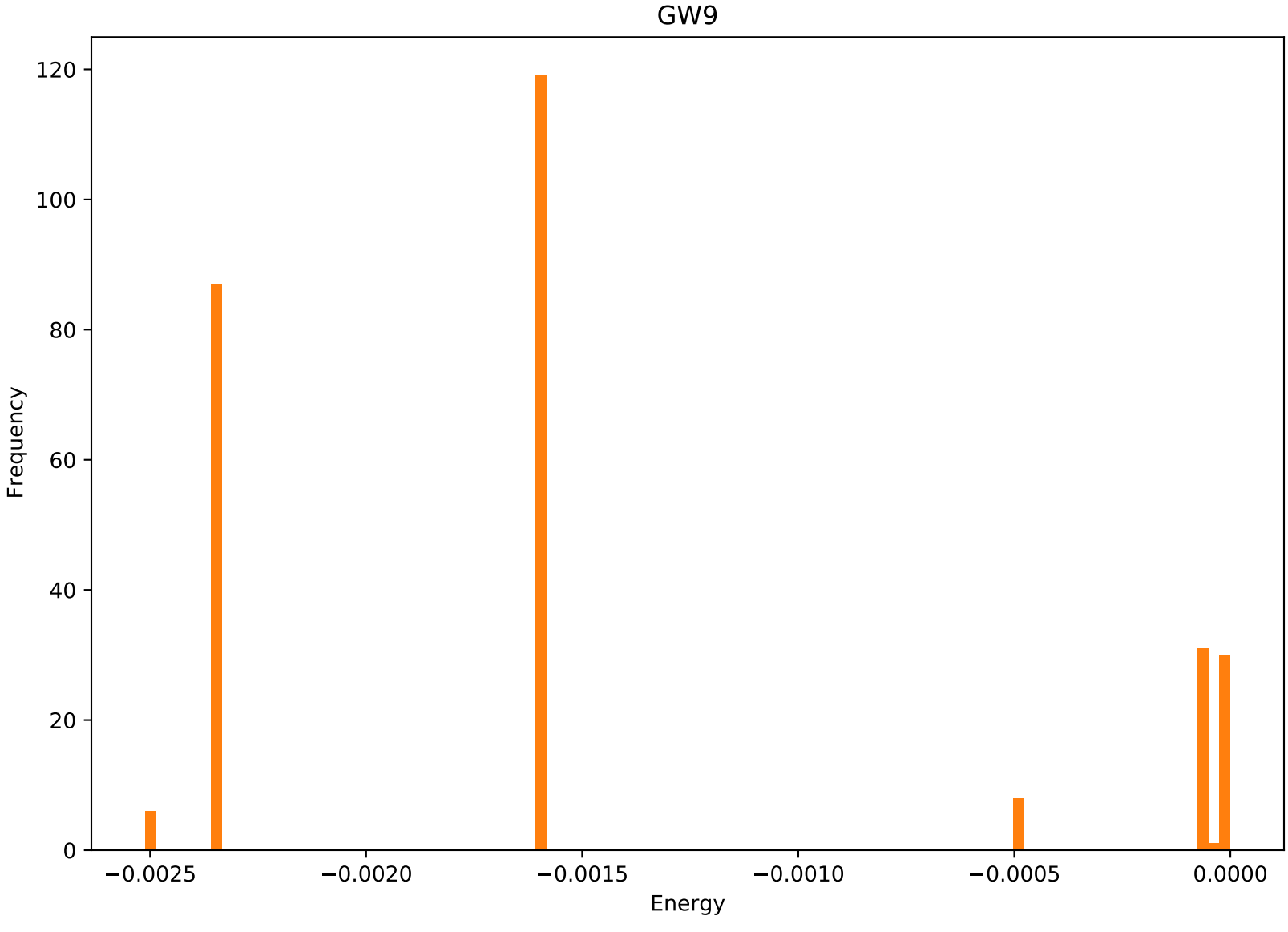

GW4
Frequency
Energy
Baseline: -2.71887
160
140
120
100
80
60
40
20
0
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25

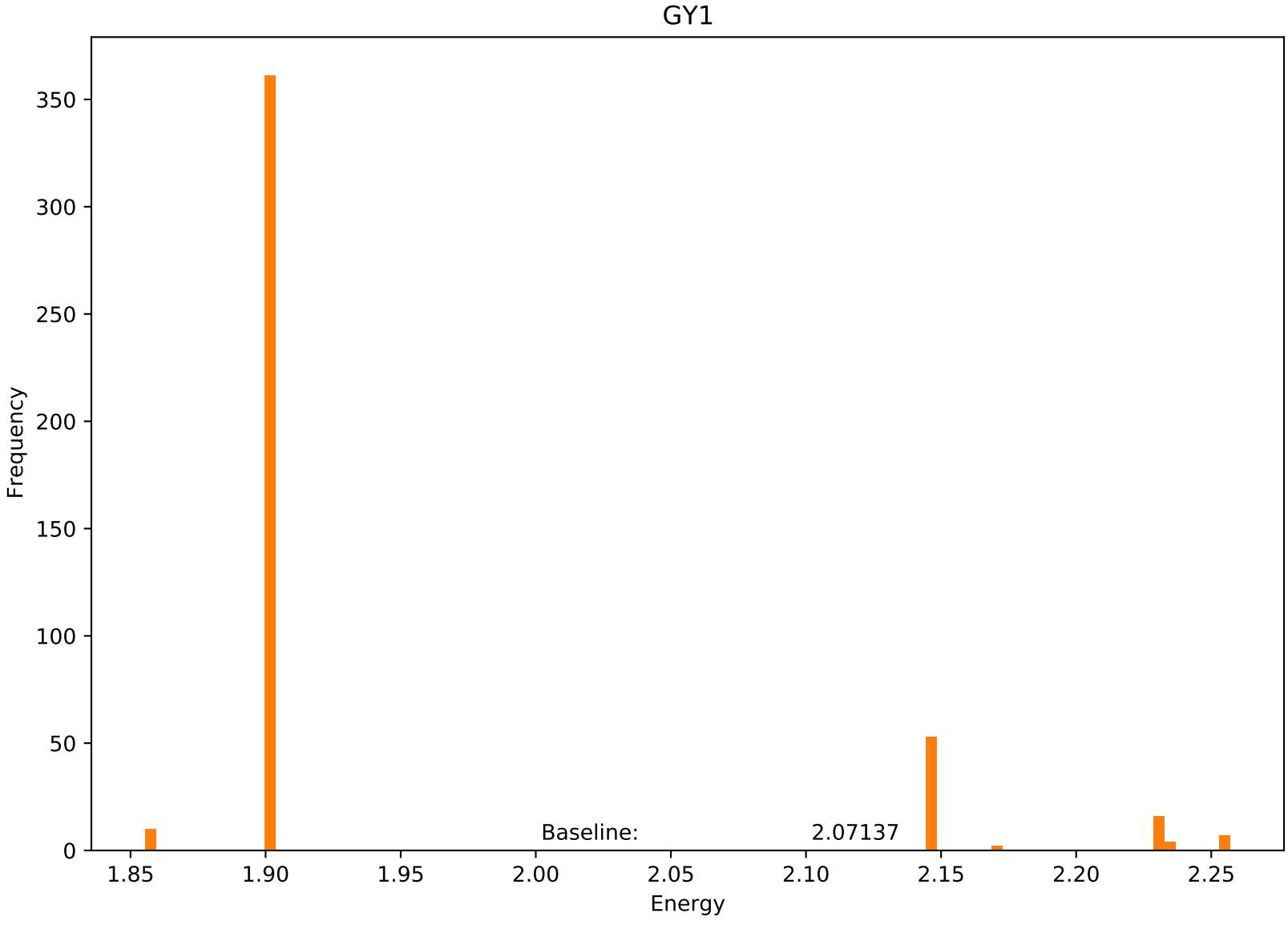

GW5
Frequency
Energy
0
20
40
60
80
100
120
140
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
−0.12

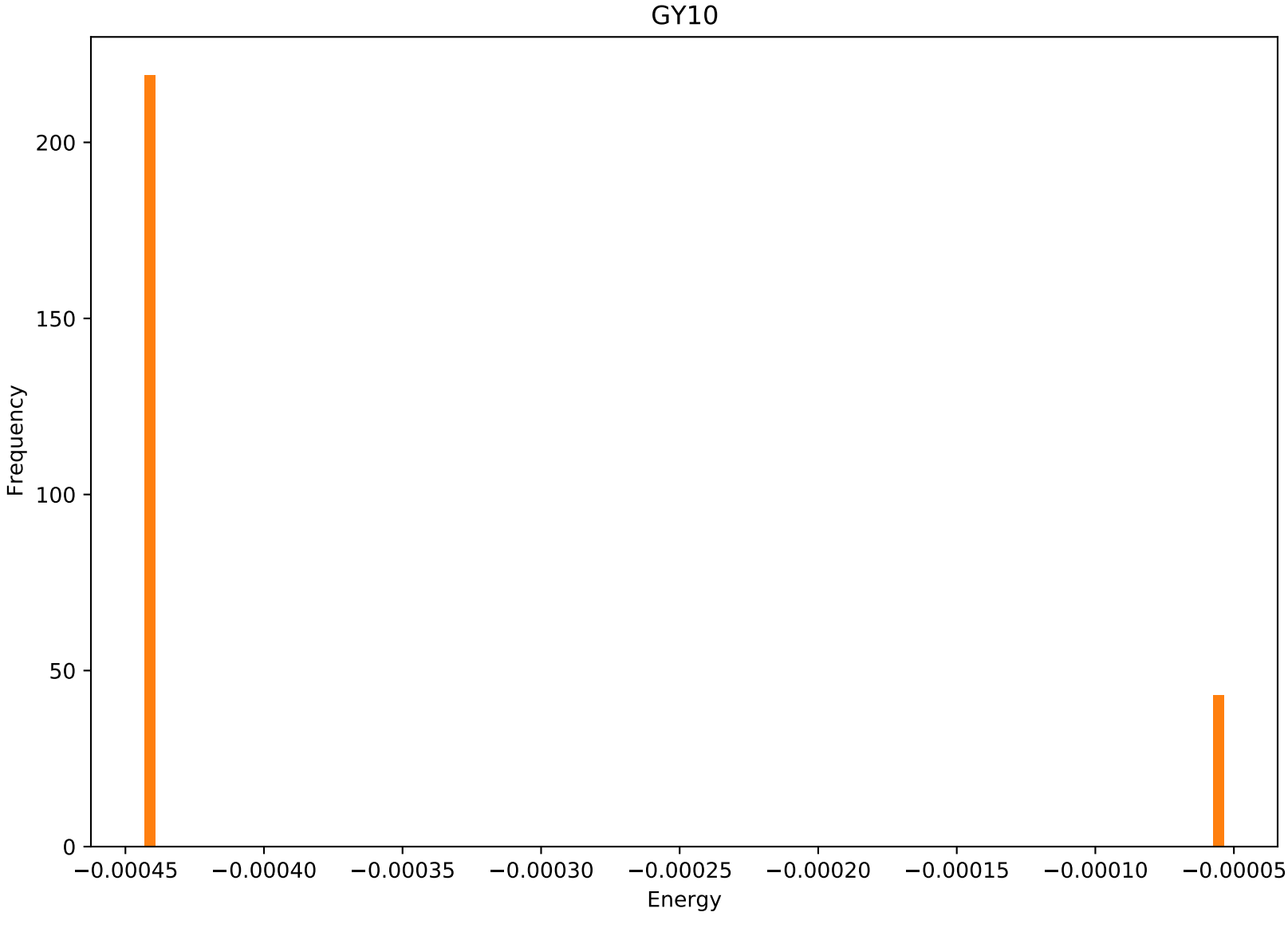

GW6
Frequency
Energy
0
20
40
60
80
100
120
140
−0.11
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

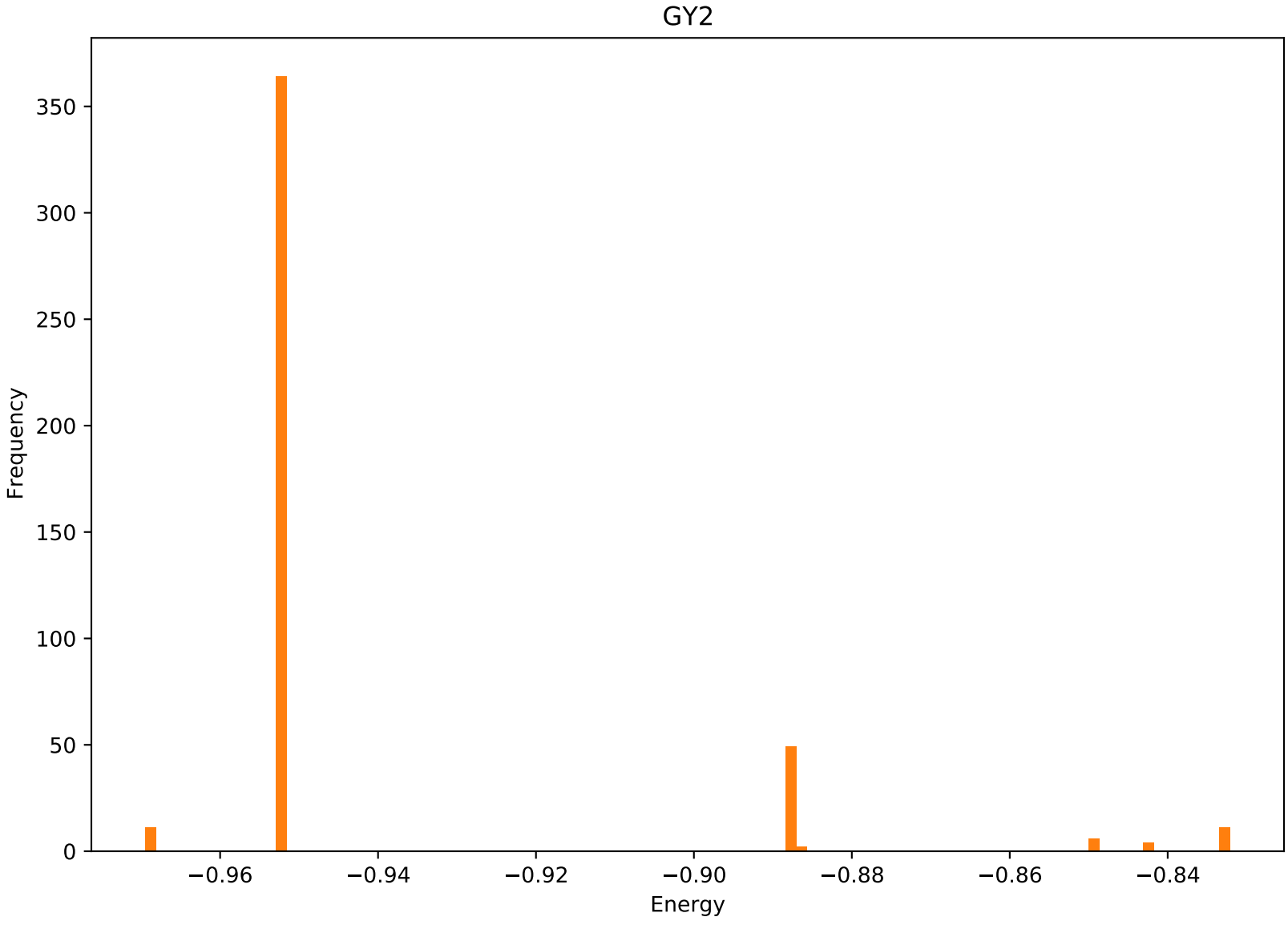

GW7
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
−0.200
−0.175
−0.150
−0.125
−0.100
−0.075
−0.050
−0.025

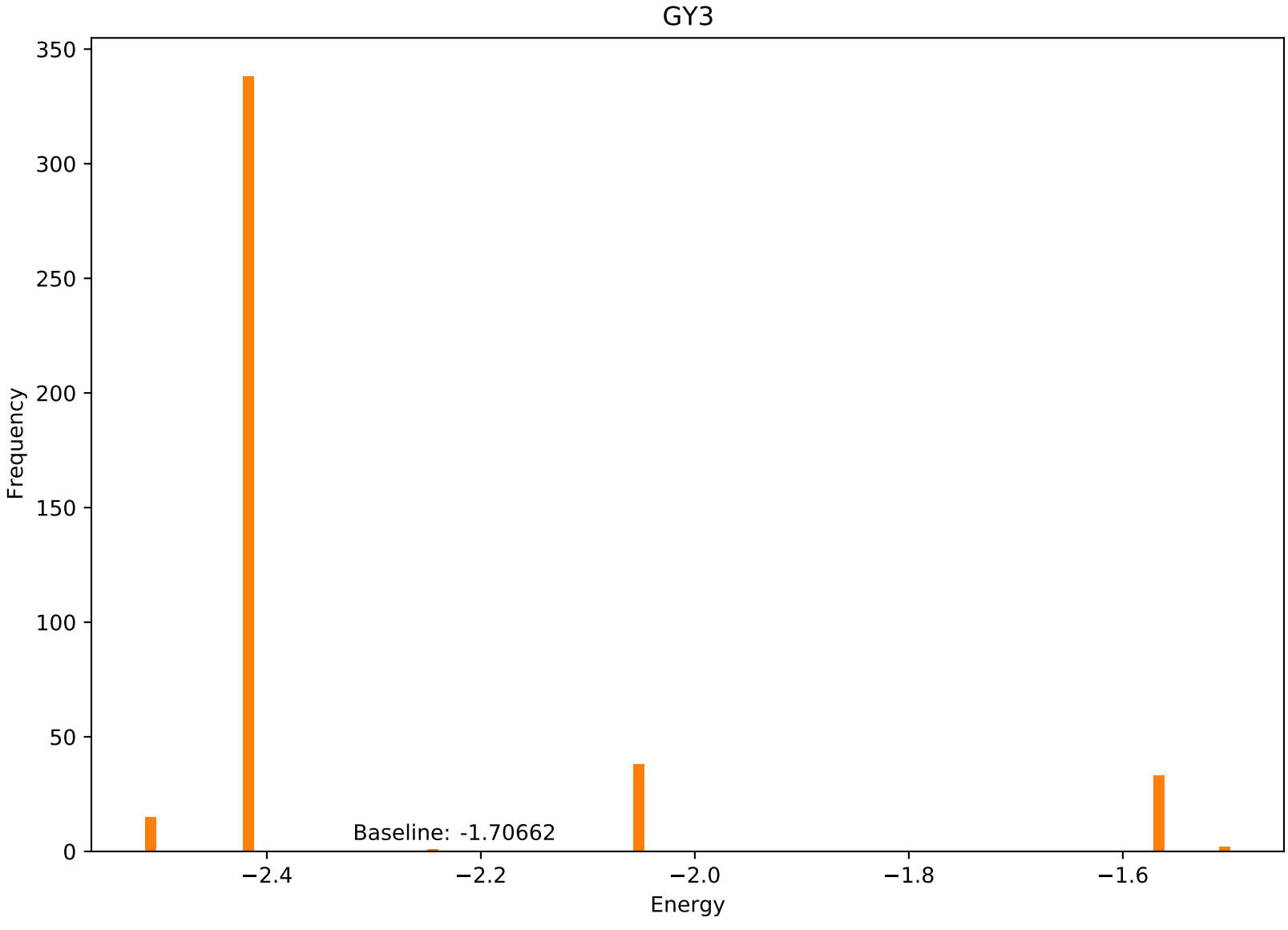

GW8
Frequency
120
100
80
60
40
20
0
−0.040
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

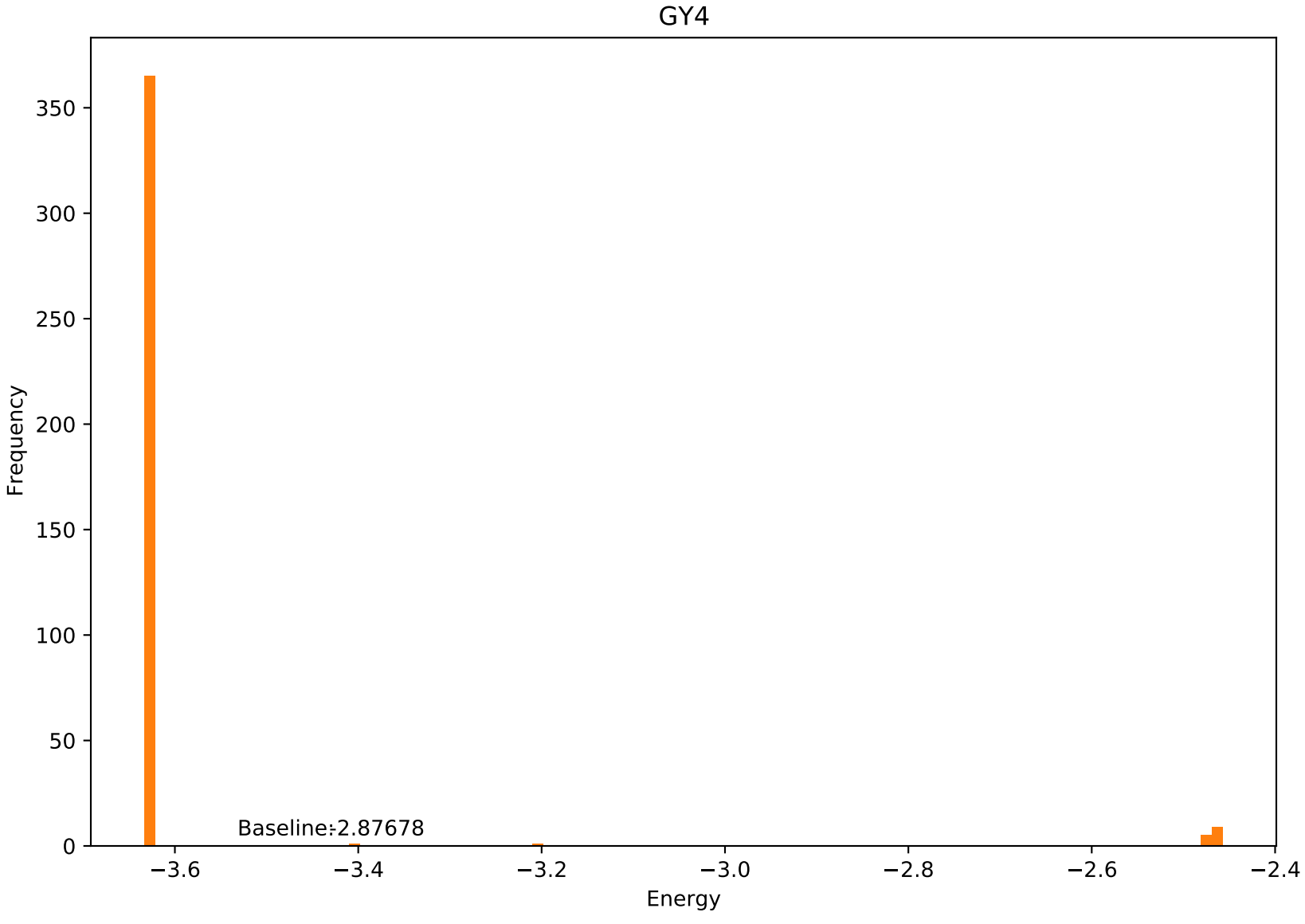

GW9
Frequency
Energy
0
20
40
60
80
100
120
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

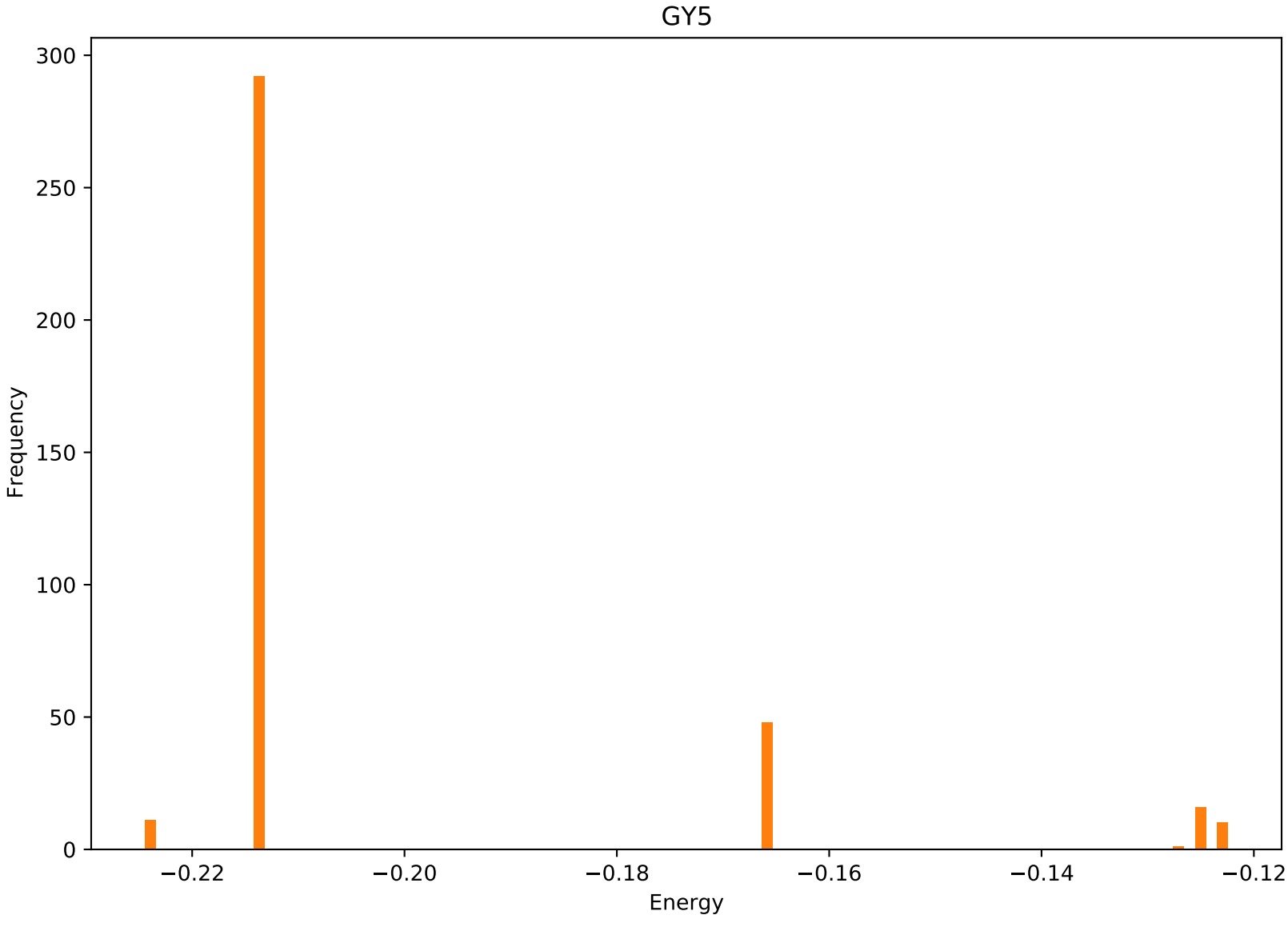

GY1
Frequency
Energy
Baseline:
2.07137
0
50
100
150
200
250
300
350
1.85
1.90
1.95
2.00
2.05
2.10
2.15
2.20
2.25

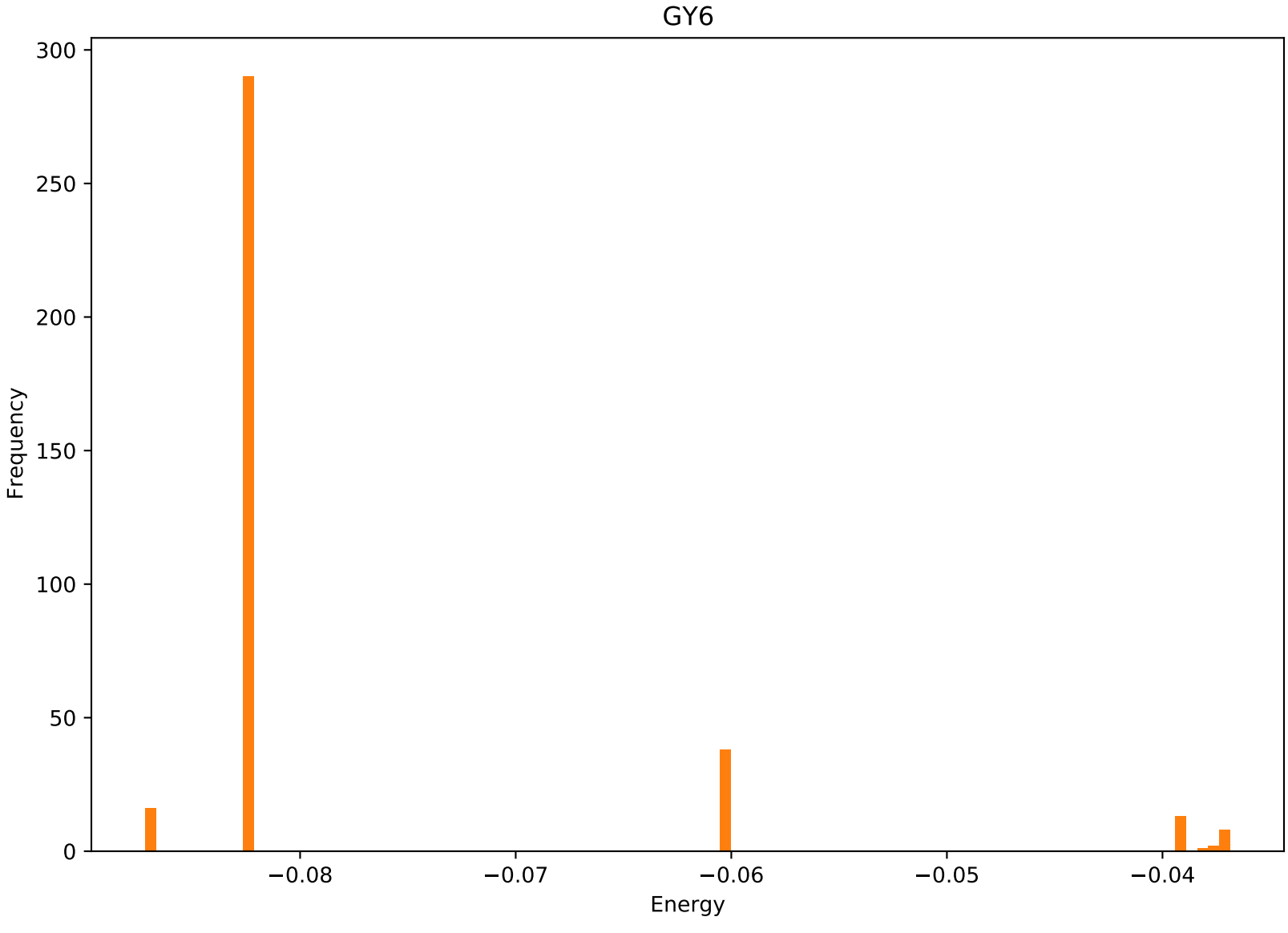

GY10
Frequency
200
150
100
50
0
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy

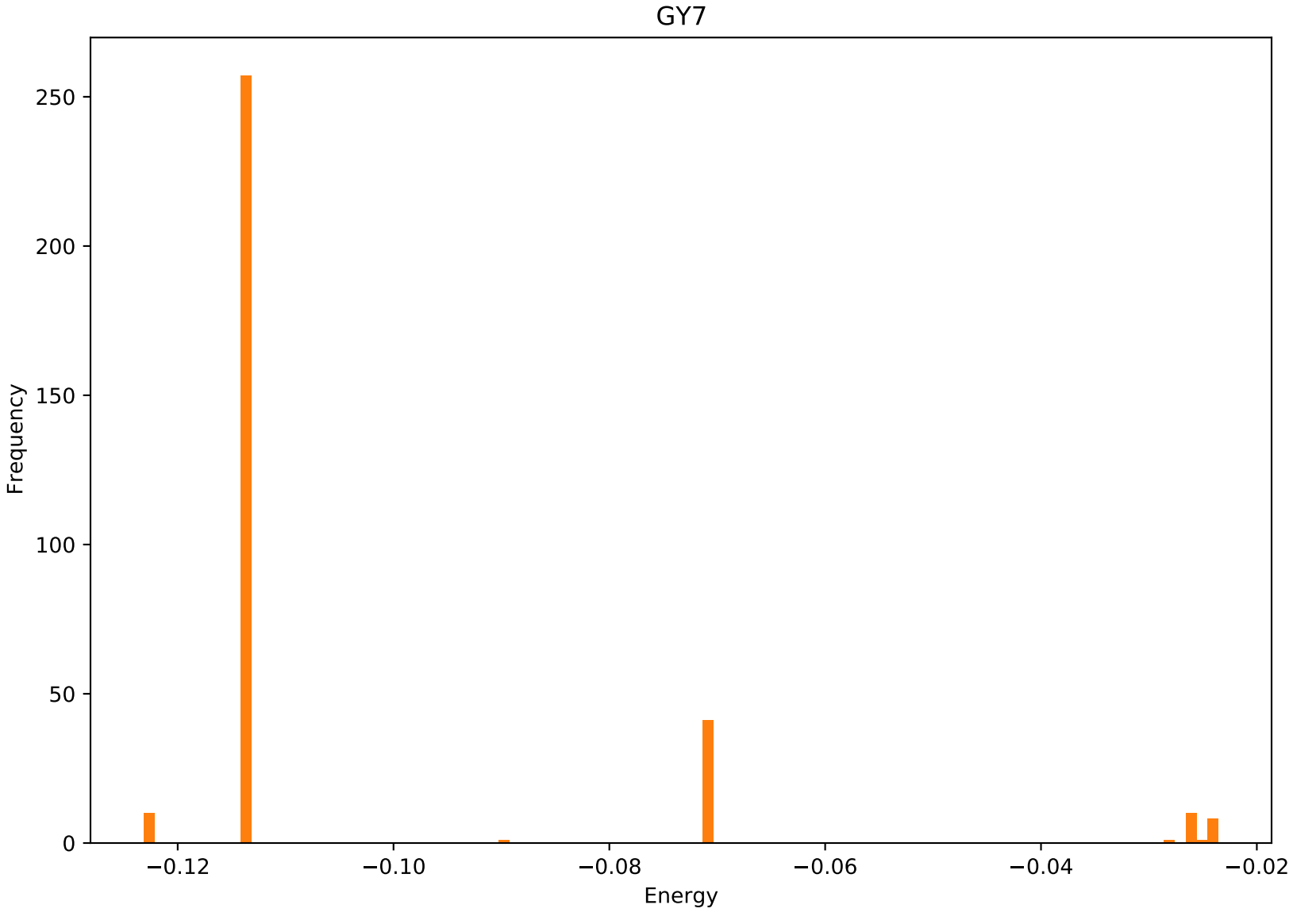

GY2
Frequency
Energy
0
50
100
150
200
250
300
350
−0.96
−0.94
−0.92
−0.90
−0.88
−0.86
−0.84

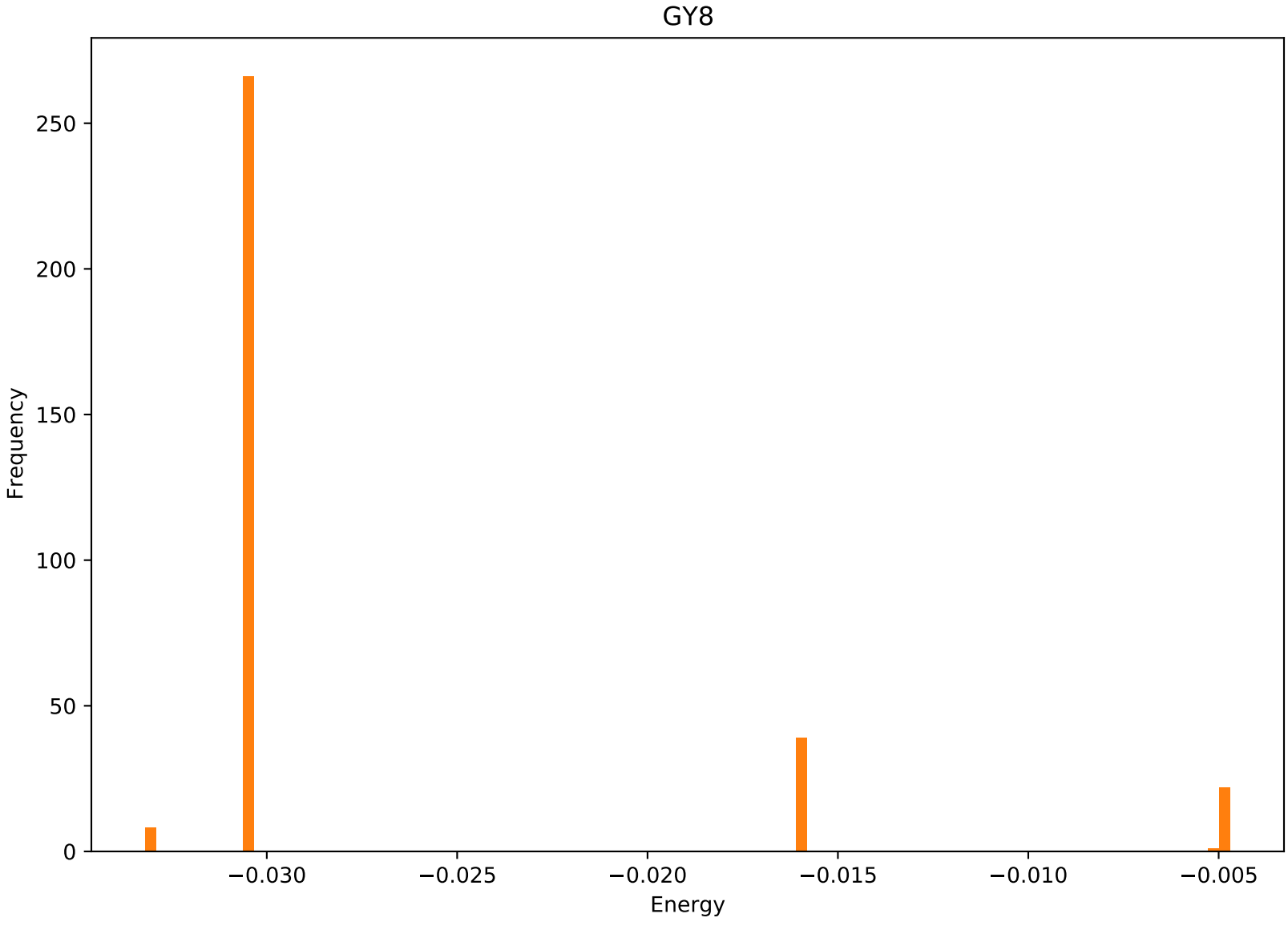

GY3
Frequency
Energy
Baseline: -1.70662
350
300
250
200
150
100
50
0
−2.4
−2.2
−2.0
−1.8
−1.6

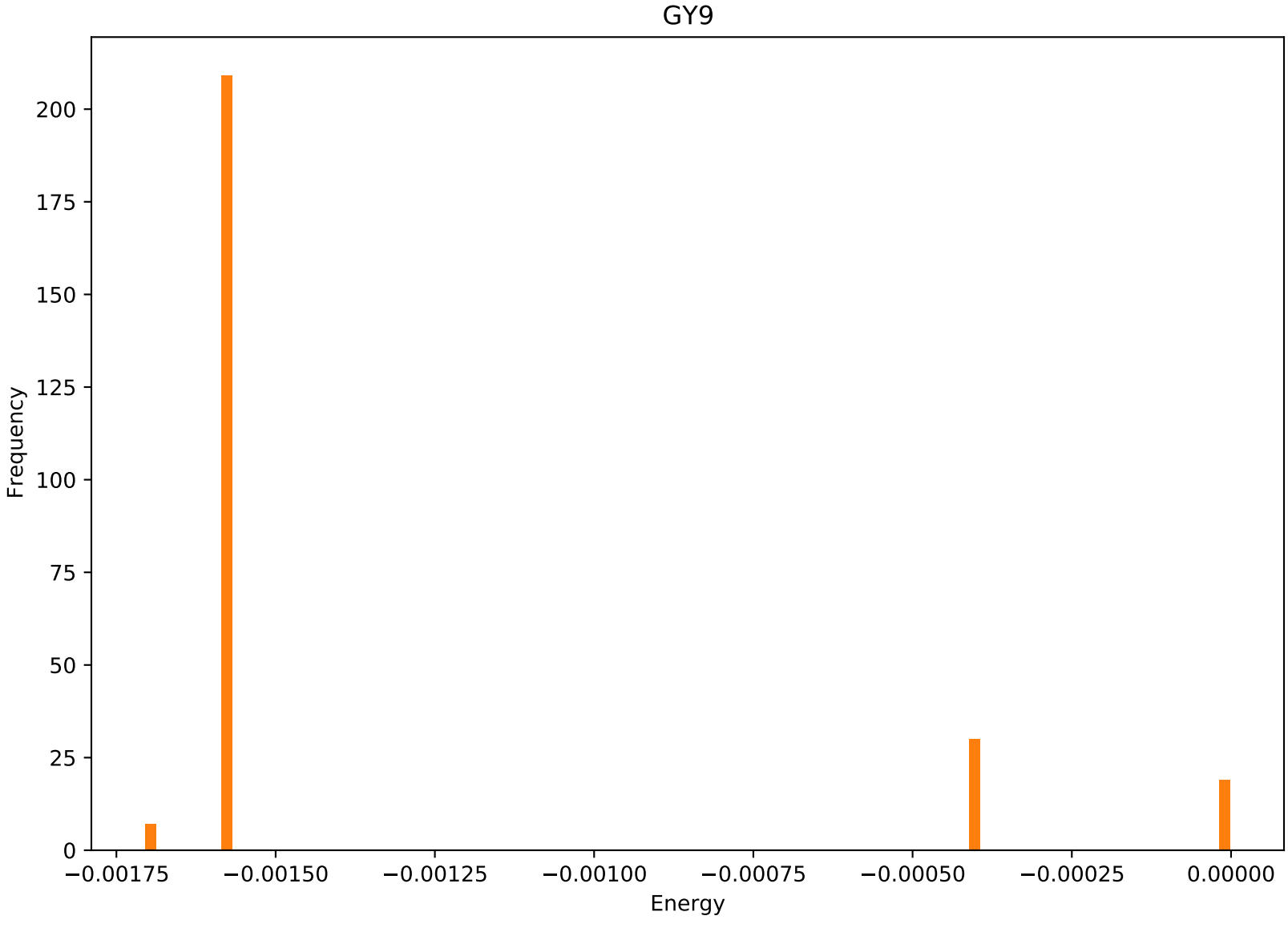

GY4
Frequency
Energy
Baseline:-2.87678
0
50
100
150
200
250
300
350
−3.6
−3.4
−3.2
−3.0
−2.8
−2.6
−2.4

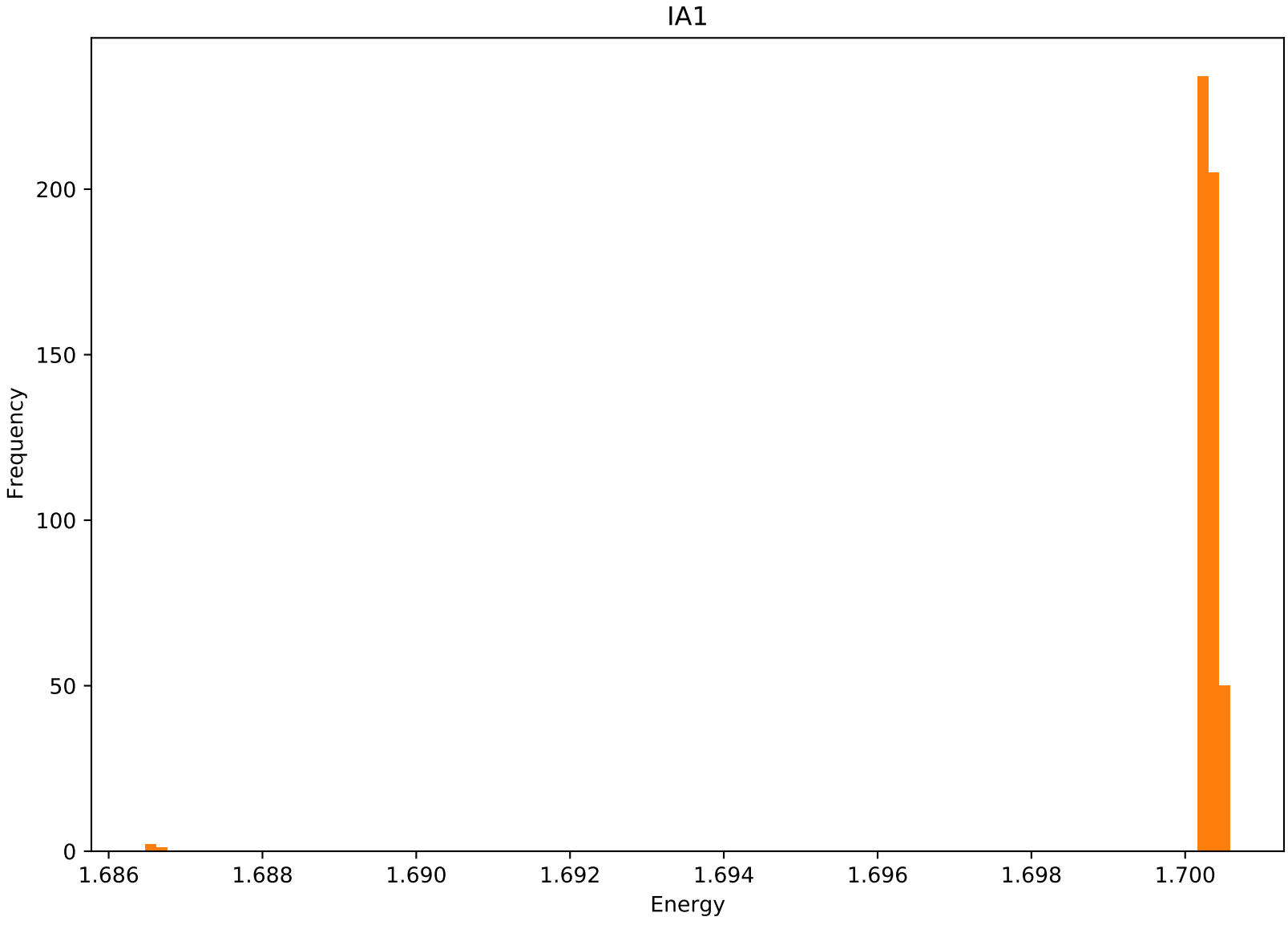

GY5
300
250
200
150
100
50
0
Frequency
−0.22
−0.20
−0.18
−0.16
−0.14
−0.12
Energy

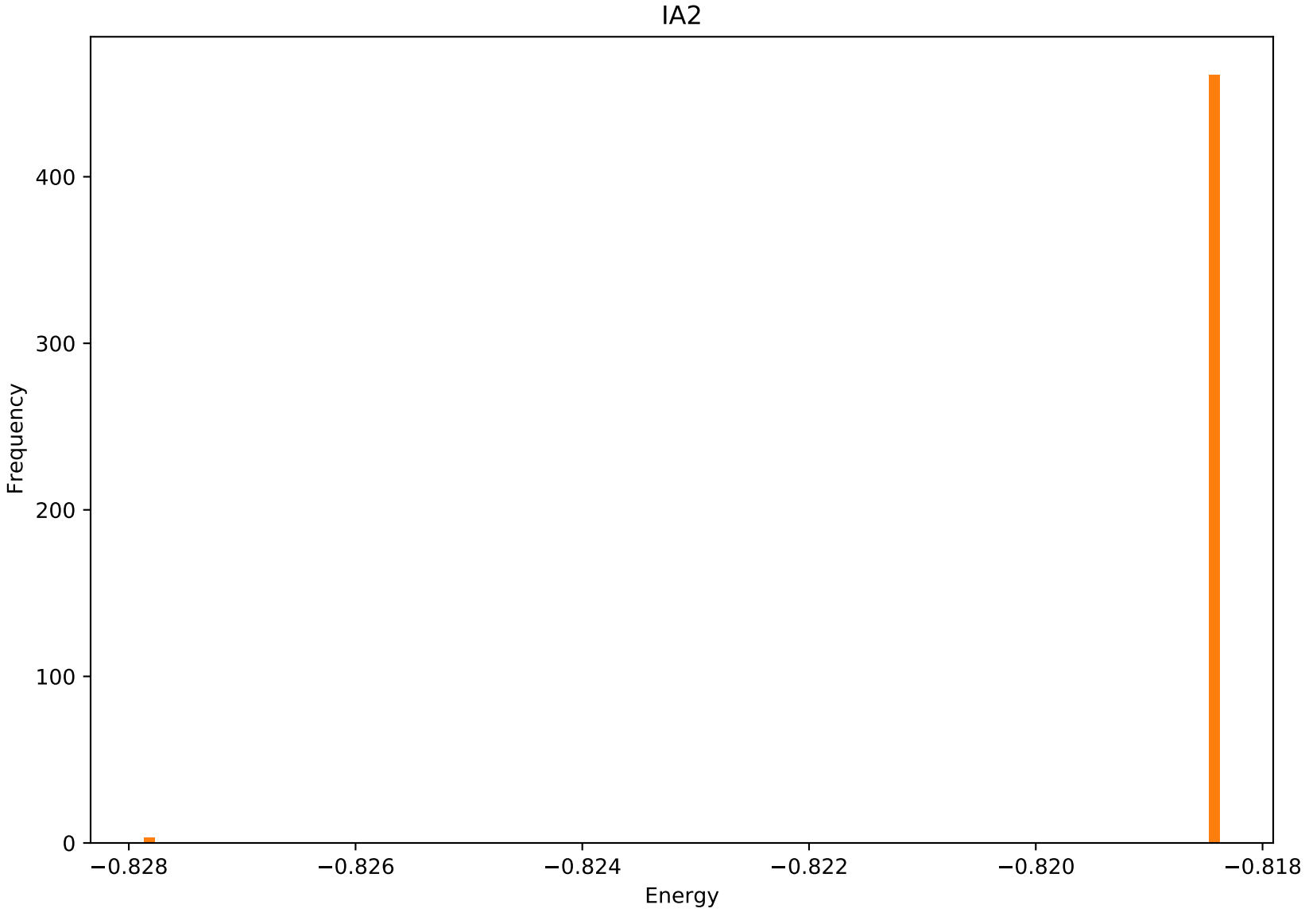

GY6
300
250
200
150
100
50
0
Frequency
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

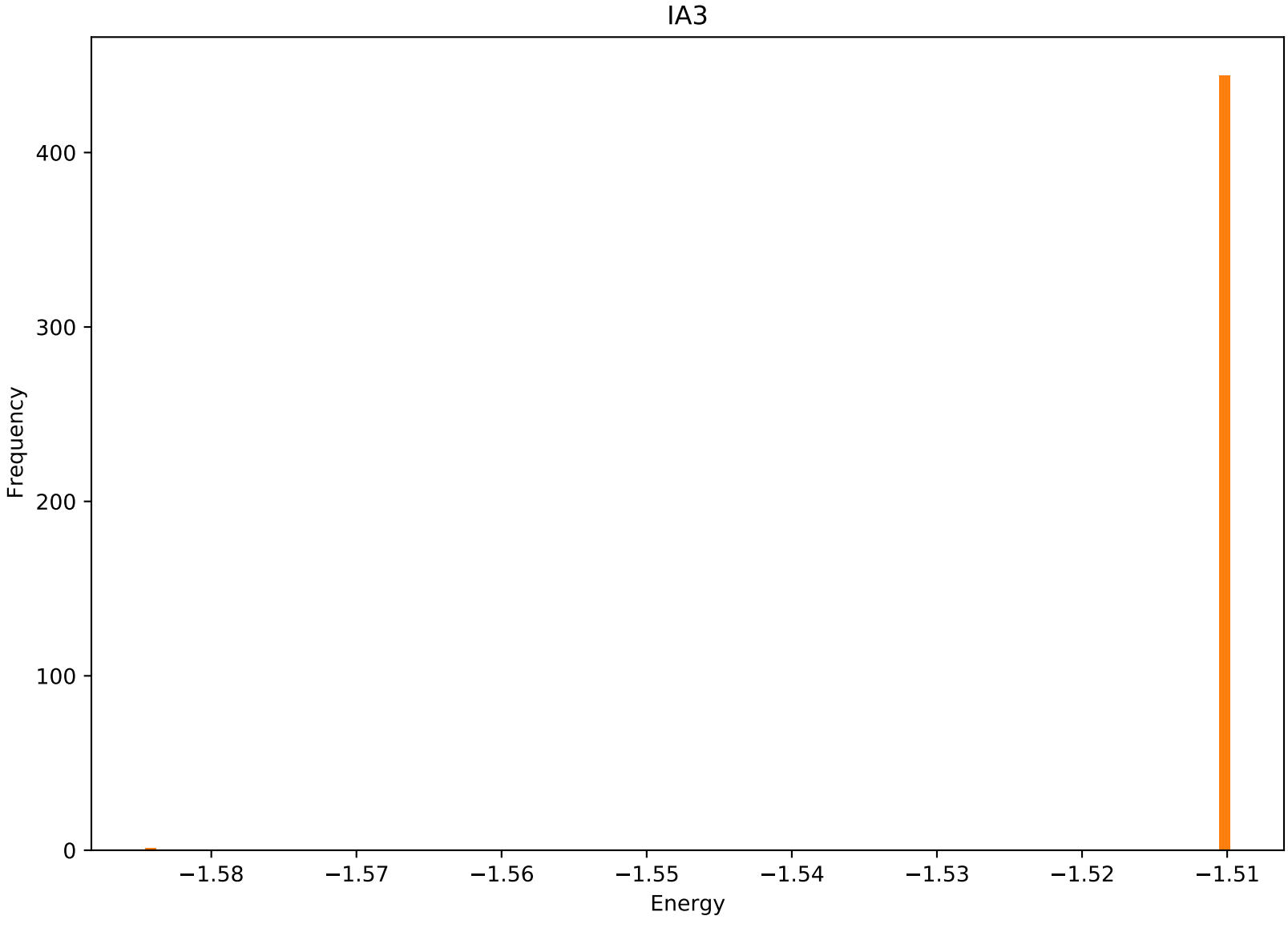

GY7
Frequency
250
200
150
100
50
0
−0.12
−0.10
−0.08
−0.06
−0.04
−0.02
Energy

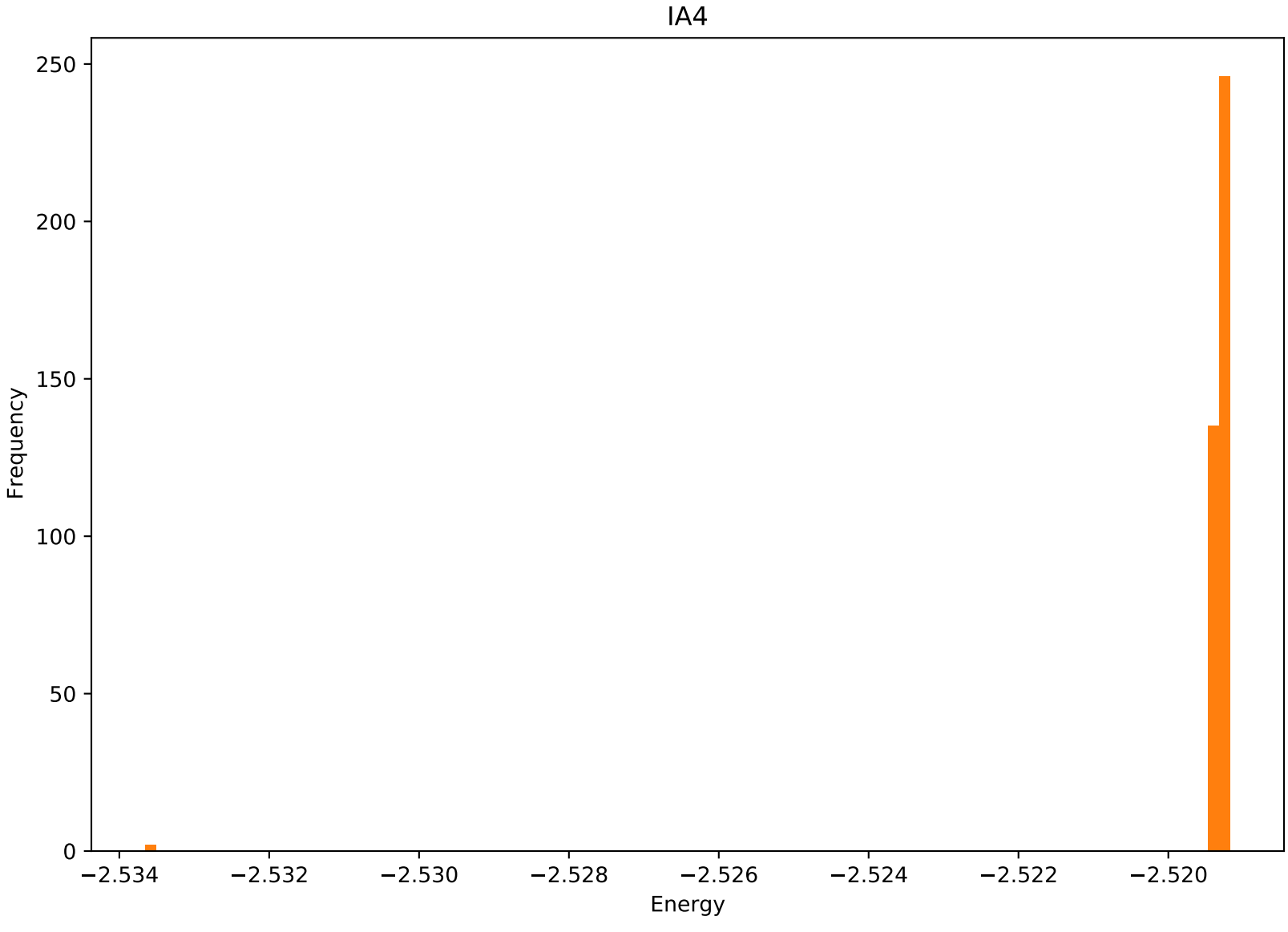

GY8
Frequency
250
200
150
100
50
0
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

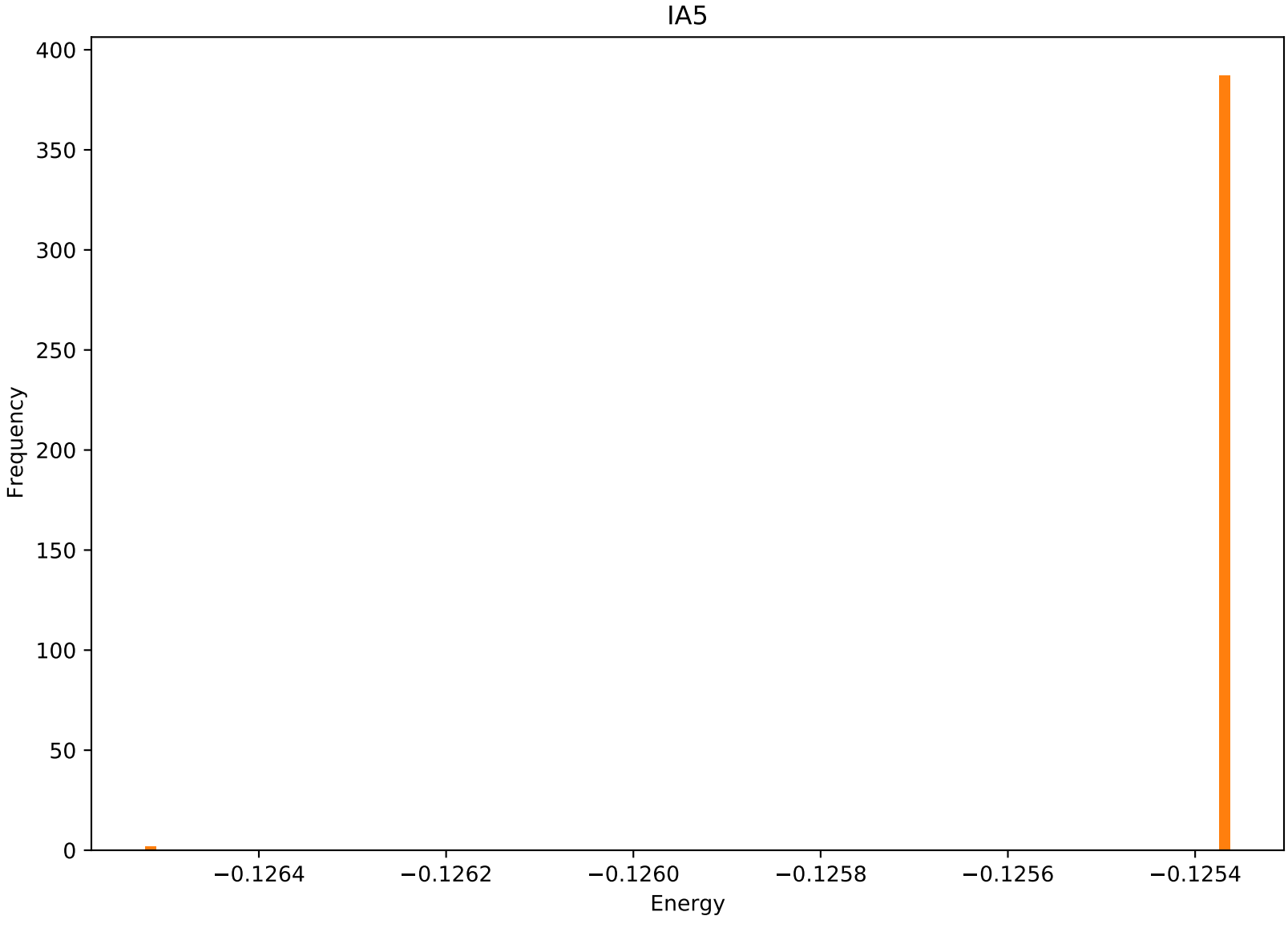

GY9
Frequency
200
175
150
125
100
75
50
25
0
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000
Energy

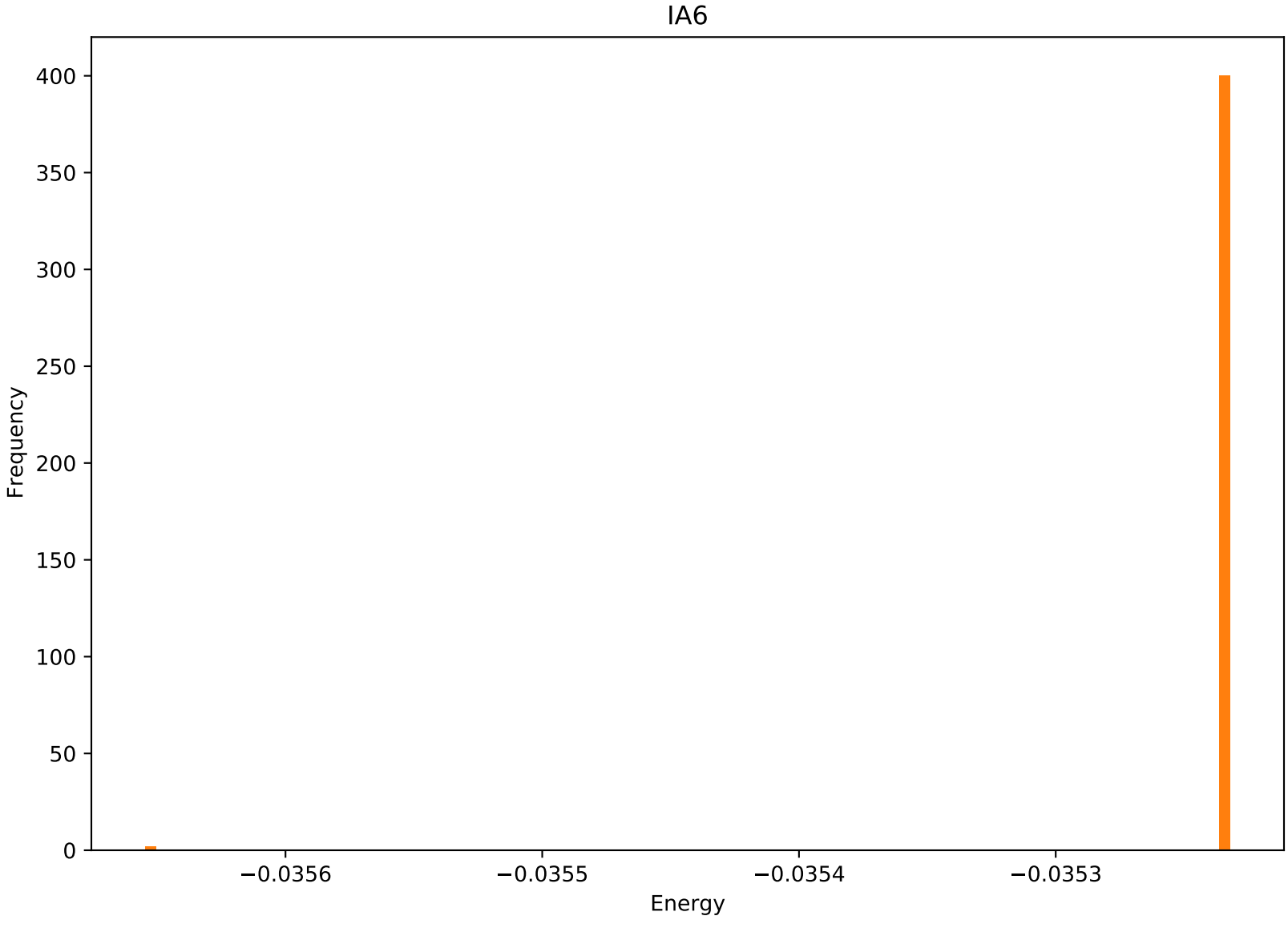

IA1
Frequency
0
50
100
150
200
1.686
1.688
1.690
1.692
1.694
1.696
1.698
1.700
Energy

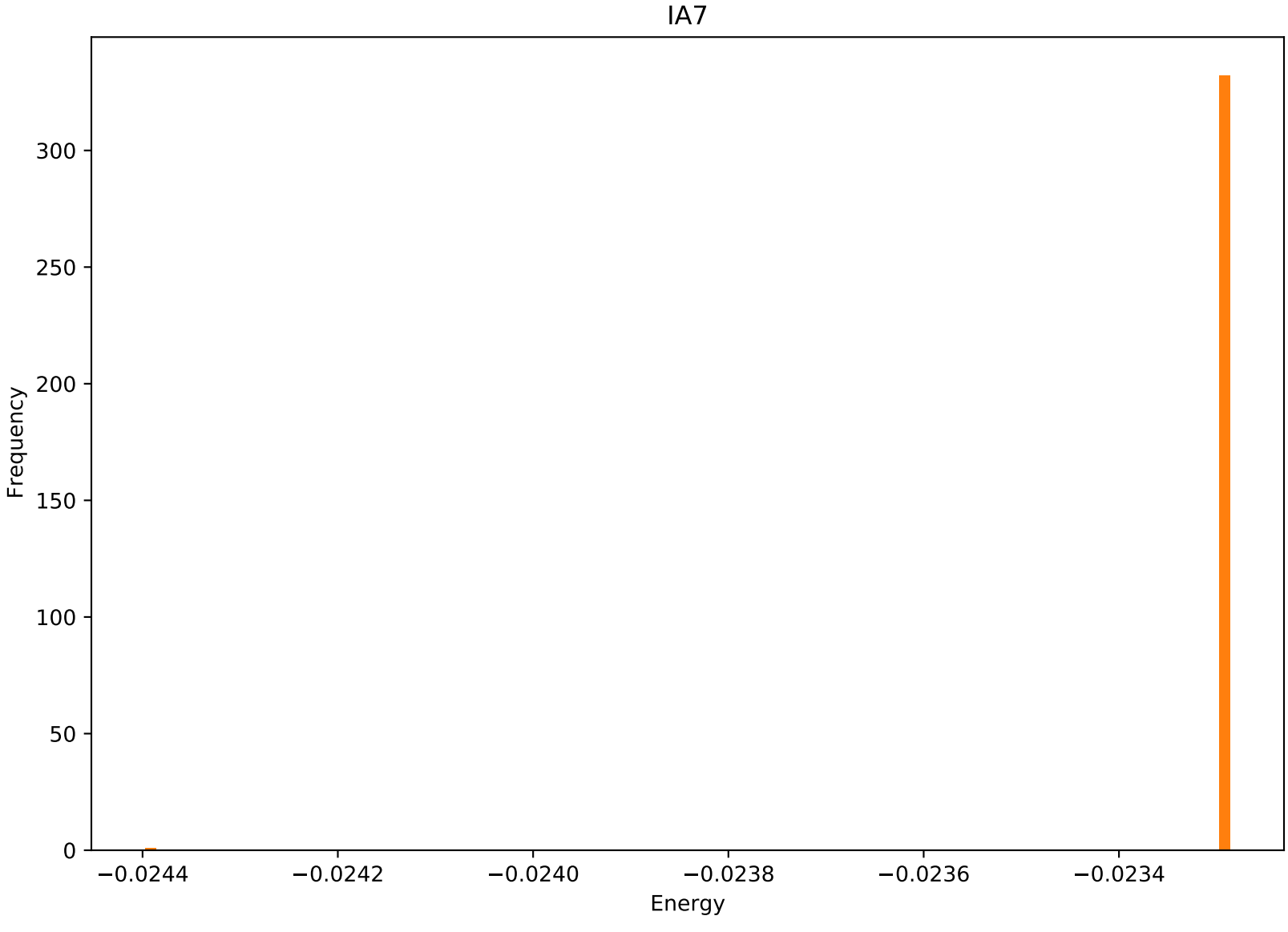

IA2
Frequency
0
100
200
300
400
−0.828
−0.826
−0.824
−0.822
−0.820
−0.818
Energy

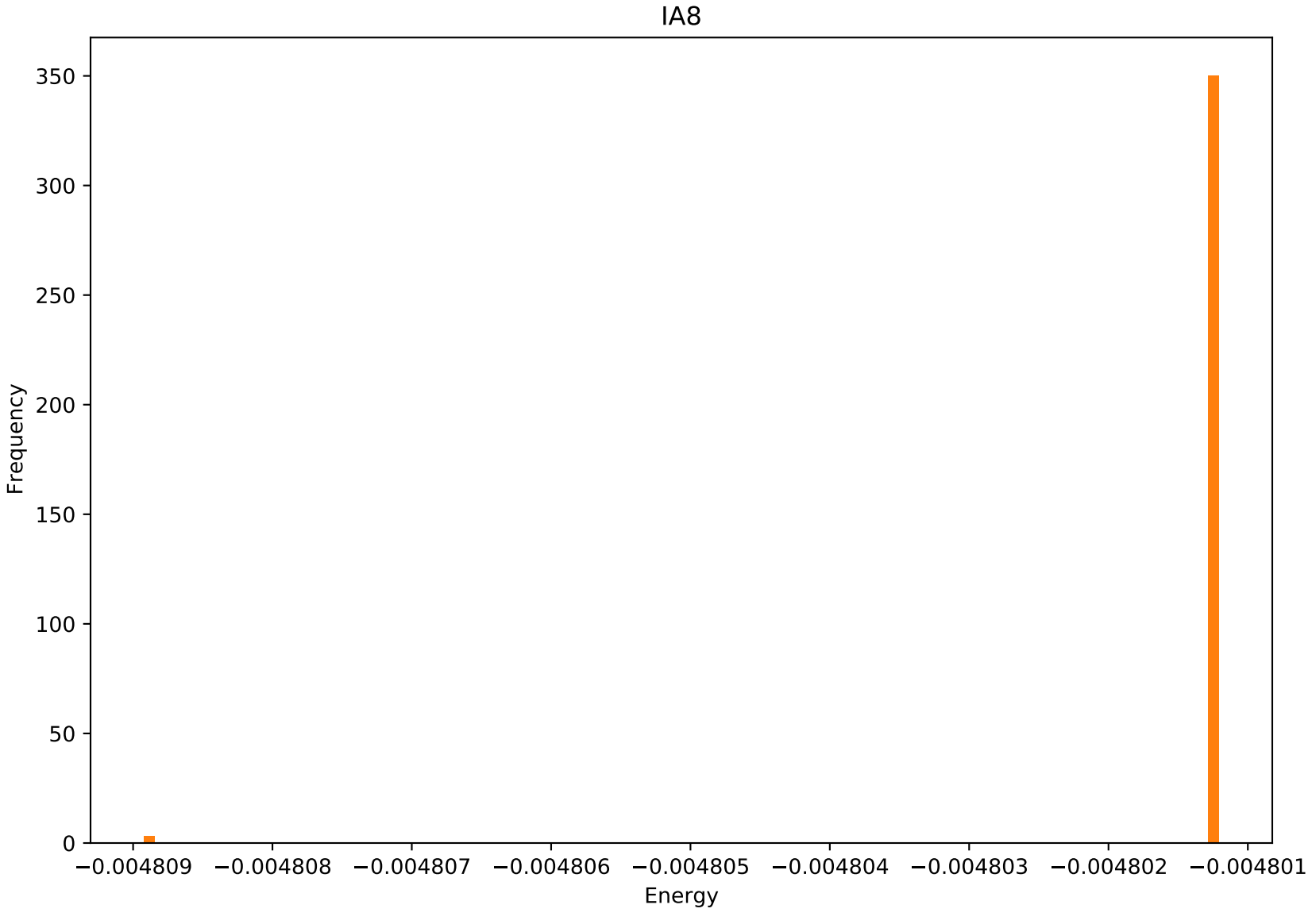

IA3
Frequency
0
100
200
300
400
−1.58
−1.57
−1.56
−1.55
−1.54
−1.53
−1.52
−1.51
Energy

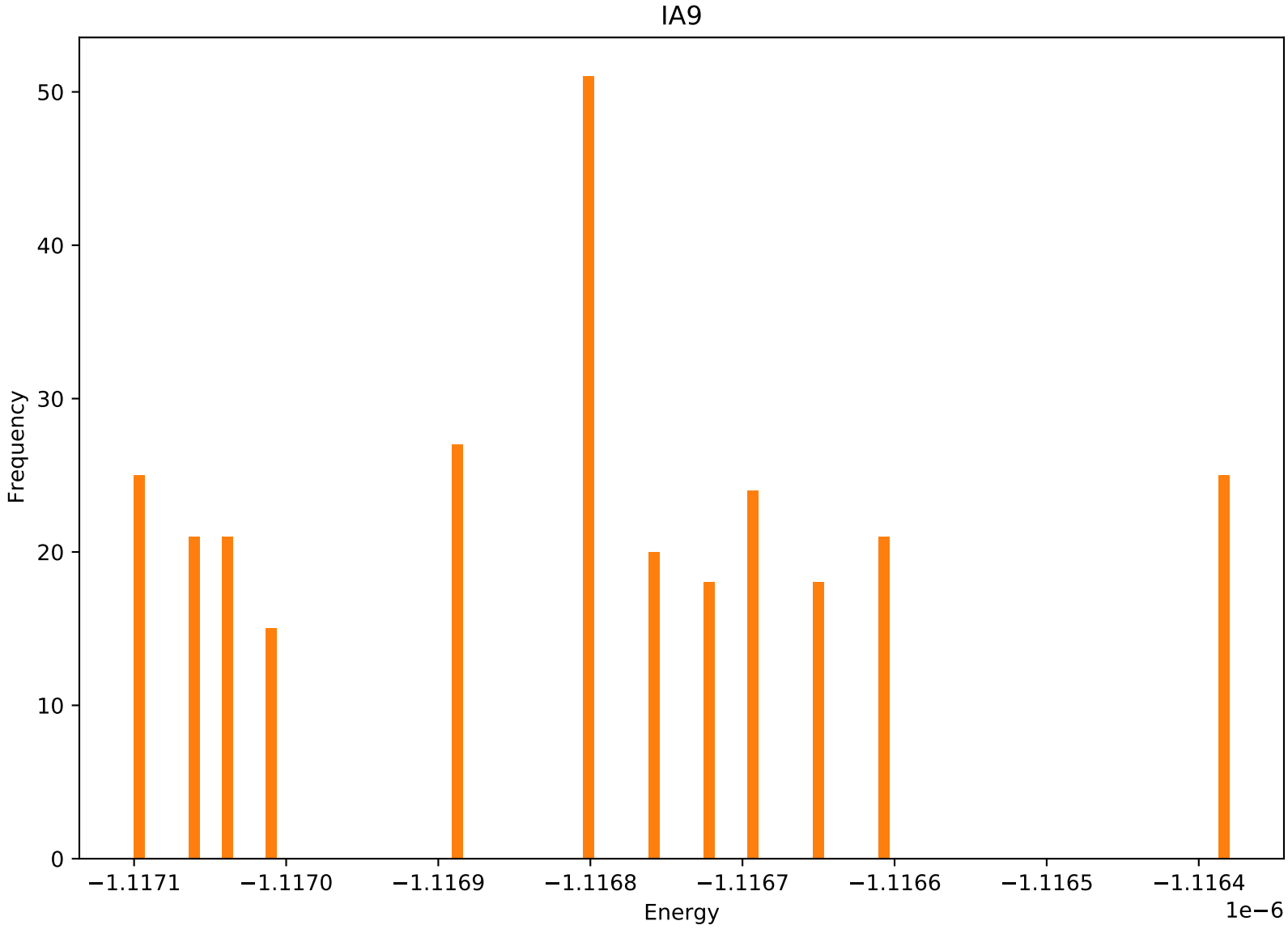

IA4
250
200
150
100
50
0
Frequency
−2.534
−2.532
−2.530
−2.528
−2.526
−2.524
−2.522
−2.520
Energy

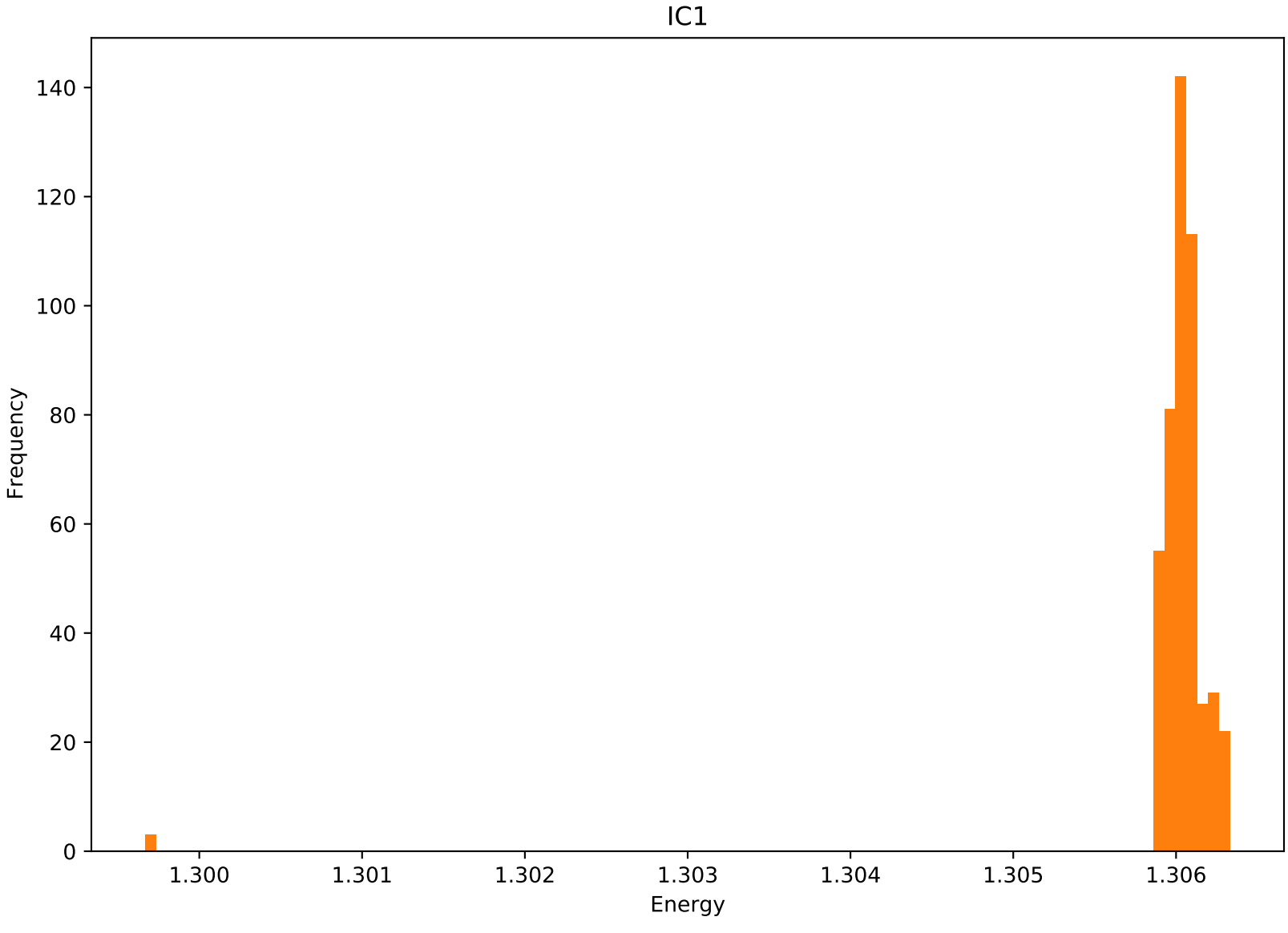

IA5
400
350
300
250
200
150
100
50
0
Frequency
−0.1264
−0.1262
−0.1260
−0.1258
−0.1256
−0.1254
Energy

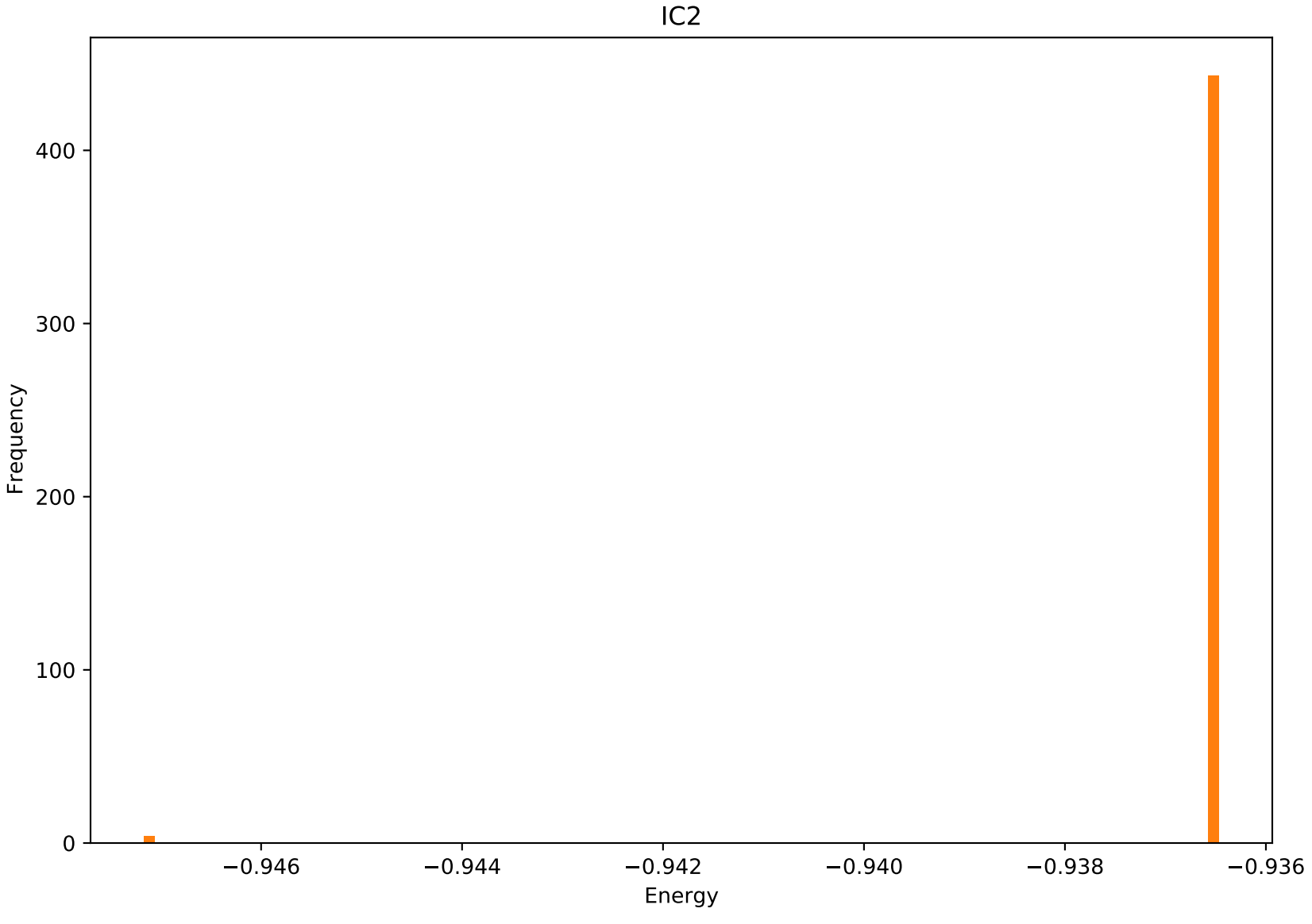

IA6
Frequency
400
350
300
250
200
150
100
50
0
−0.0356
−0.0355
−0.0354
−0.0353
Energy

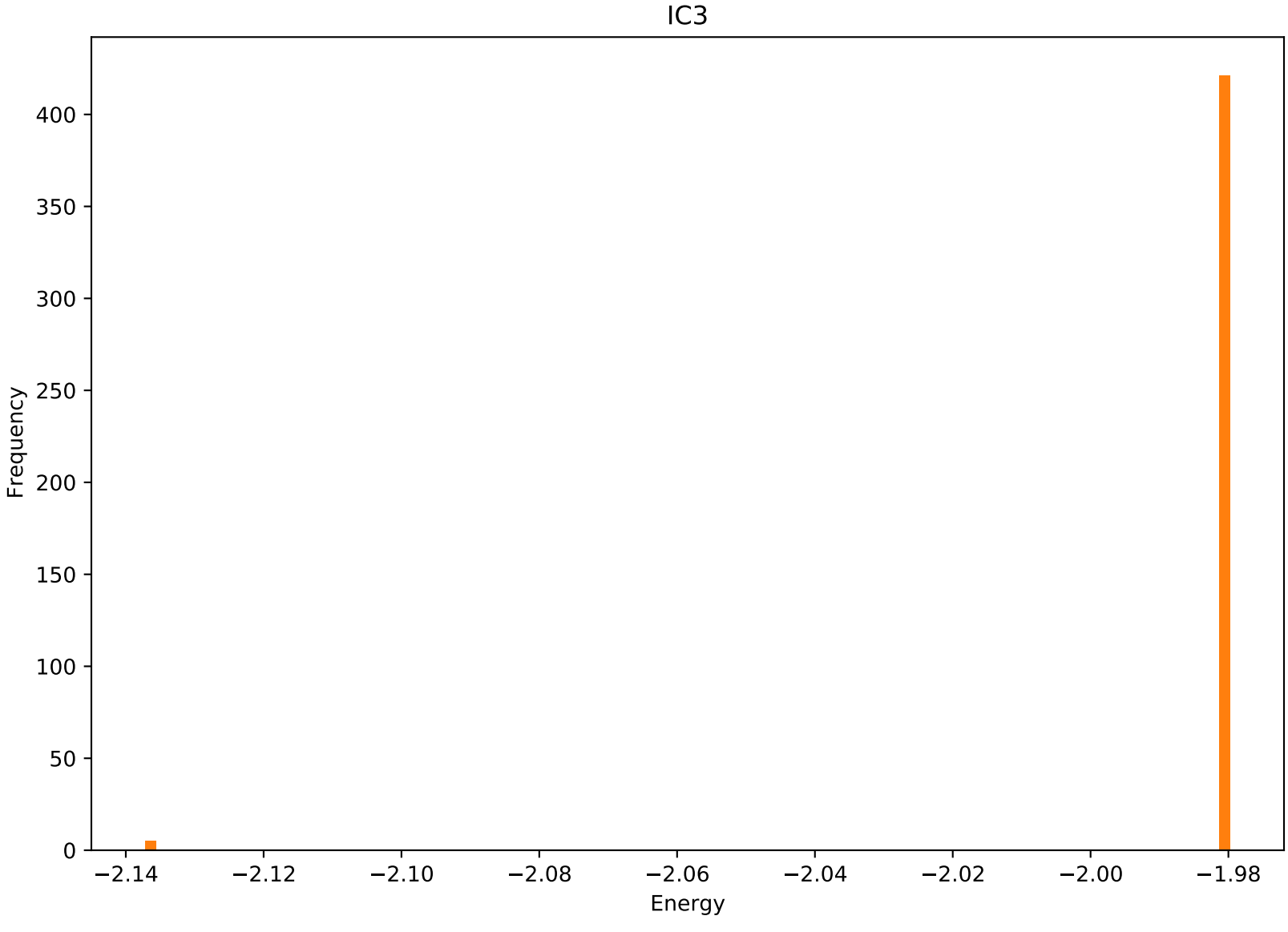

IA7
Frequency
300
250
200
150
100
50
0
−0.0244
−0.0242
−0.0240
−0.0238
−0.0236
−0.0234
Energy

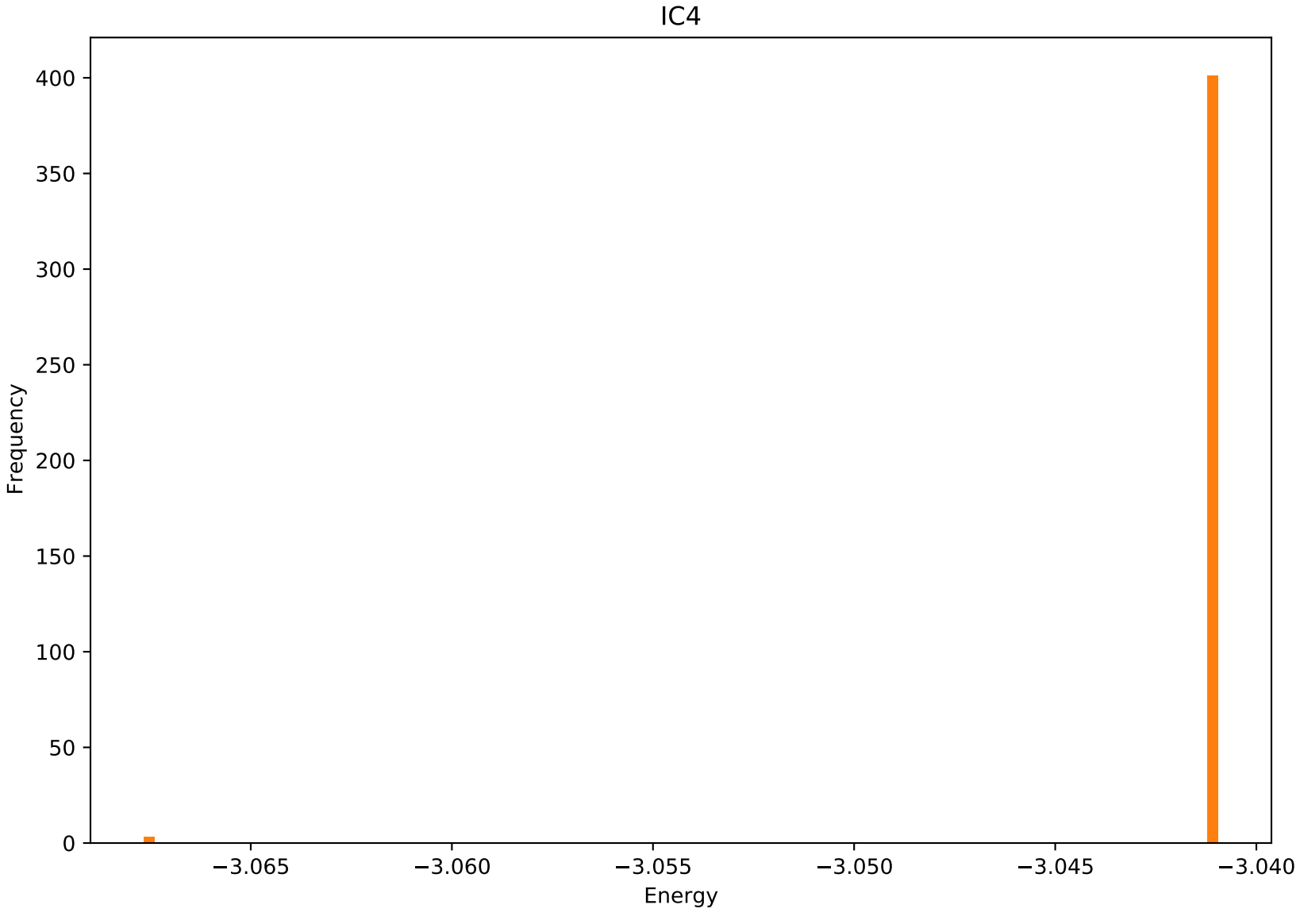

IA8
Frequency
Energy
0
50
100
150
200
250
300
350
−0.004809
−0.004808
−0.004807
−0.004806
−0.004805
−0.004804
−0.004803
−0.004802
−0.004801

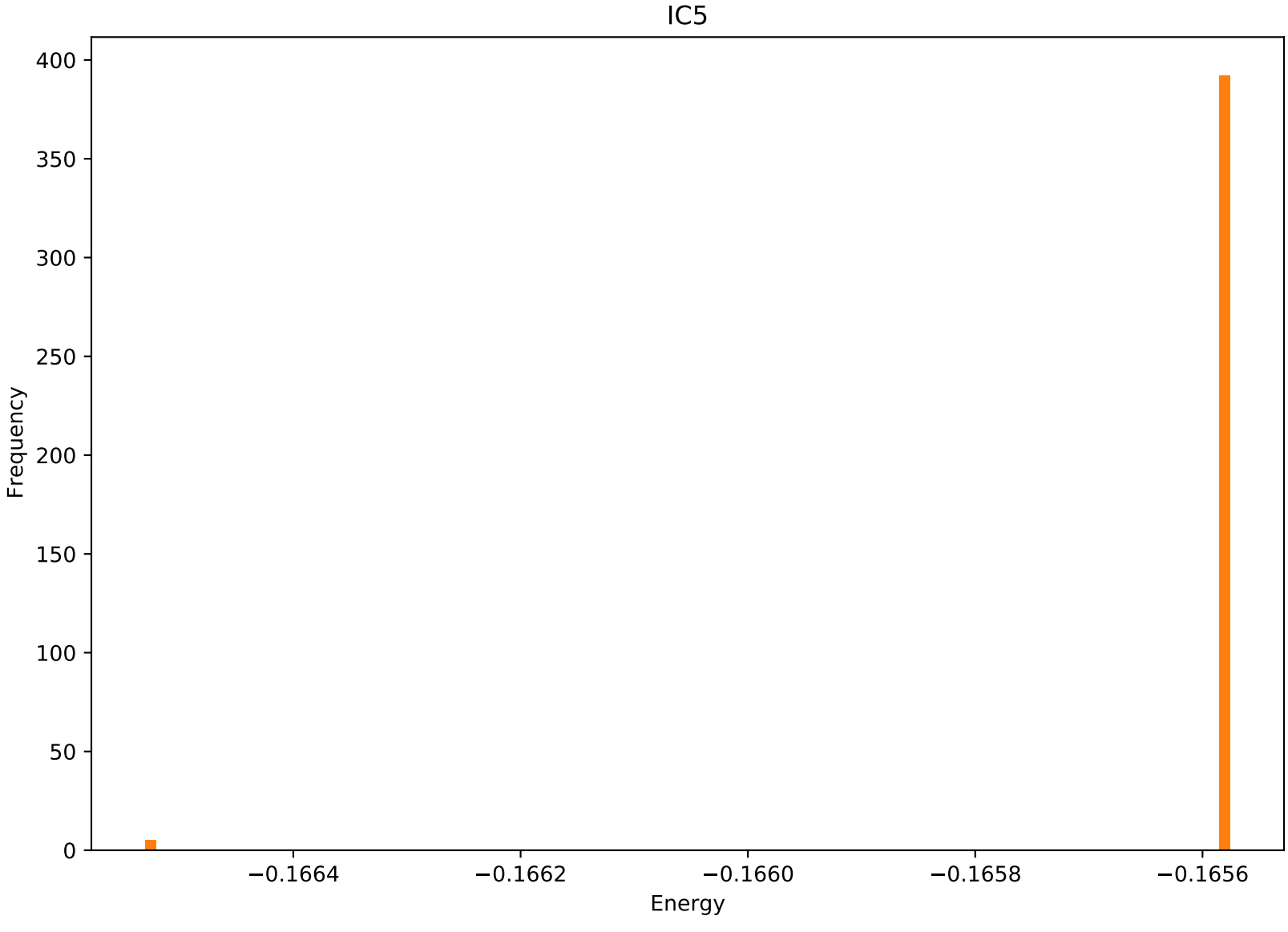

IA9
Frequency
0
10
20
30
40
50
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

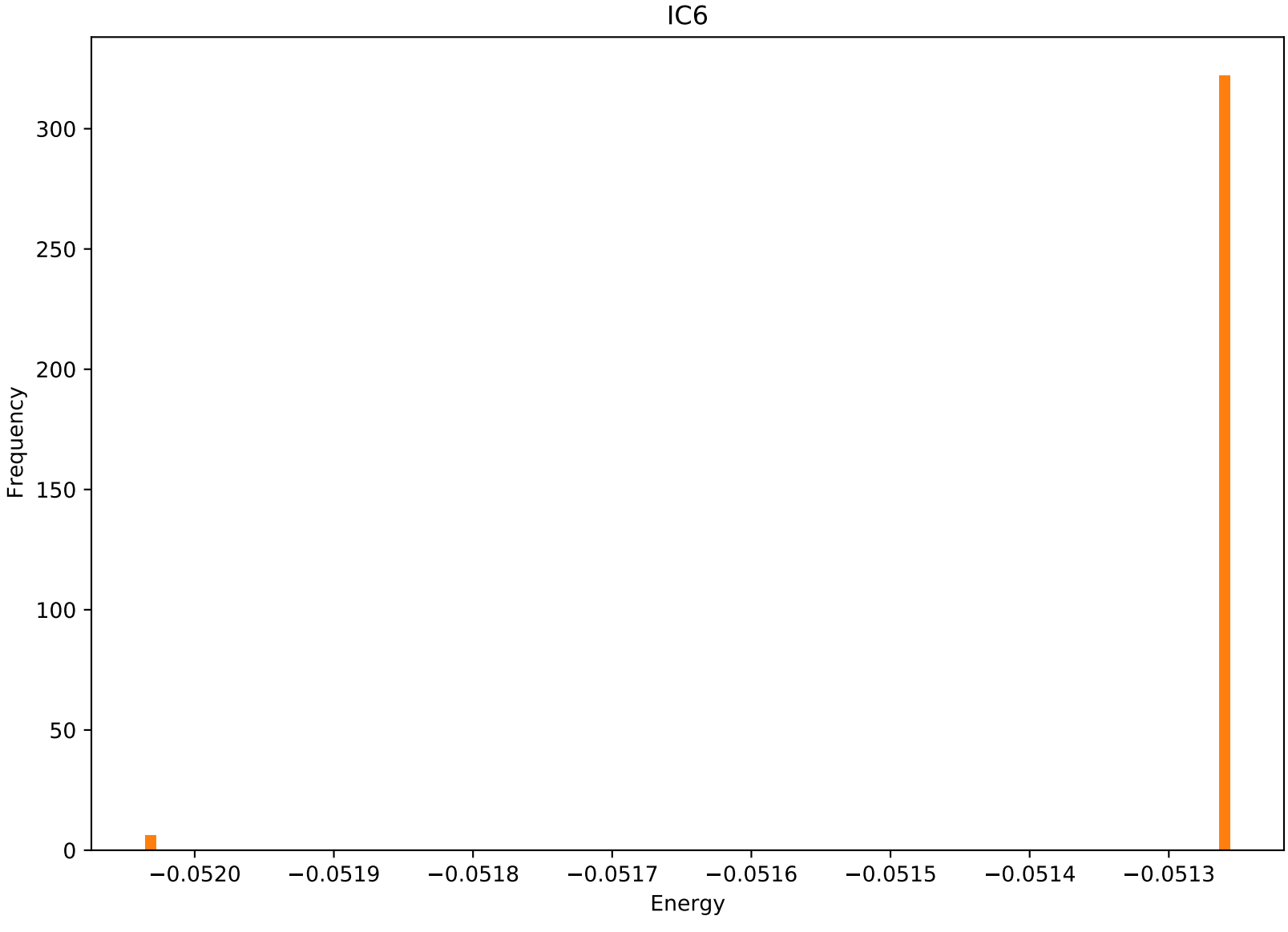

IC1
Frequency
Energy
0
20
40
60
80
100
120
140
1.300
1.301
1.302
1.303
1.304
1.305
1.306

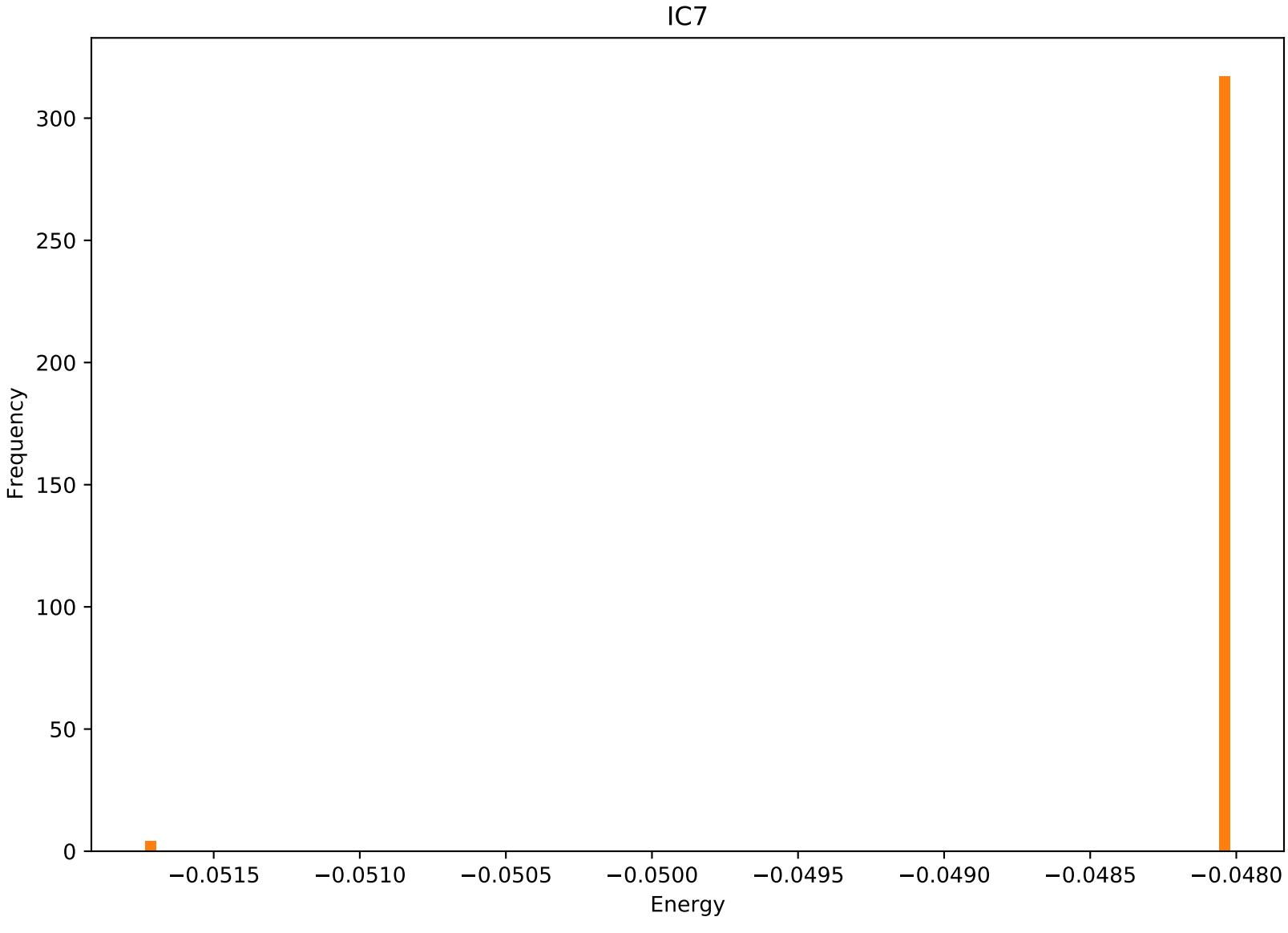

IC2
Frequency
400
300
200
100
0
−0.946
−0.944
−0.942
−0.940
−0.938
−0.936
Energy

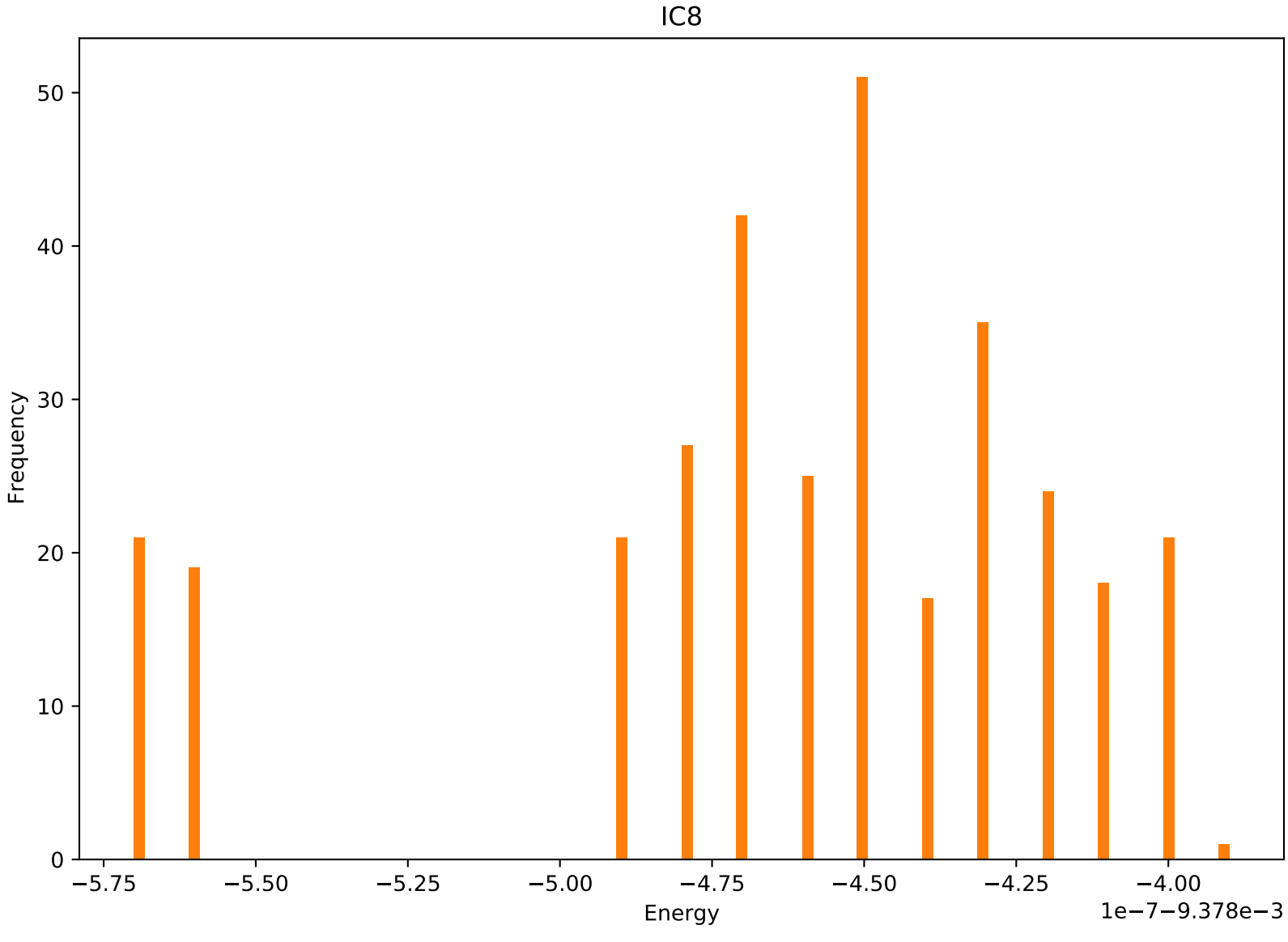

IC3
Frequency
Energy
0
50
100
150
200
250
300
350
400
−2.14
−2.12
−2.10
−2.08
−2.06
−2.04
−2.02
−2.00
−1.98

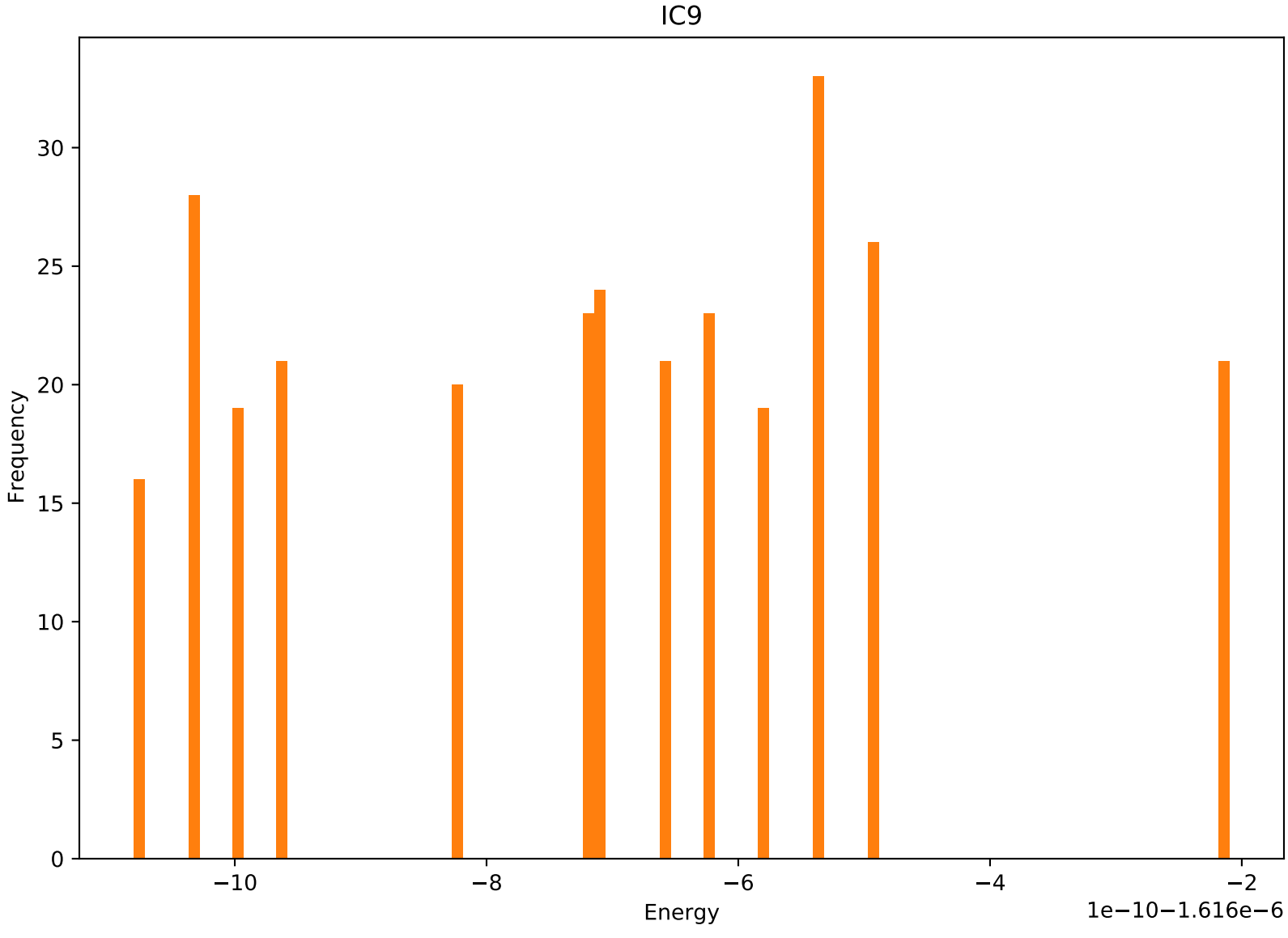

IC4
Frequency
400
350
300
250
200
150
100
50
0
−3.065
−3.060
−3.055
−3.050
−3.045
−3.040
Energy

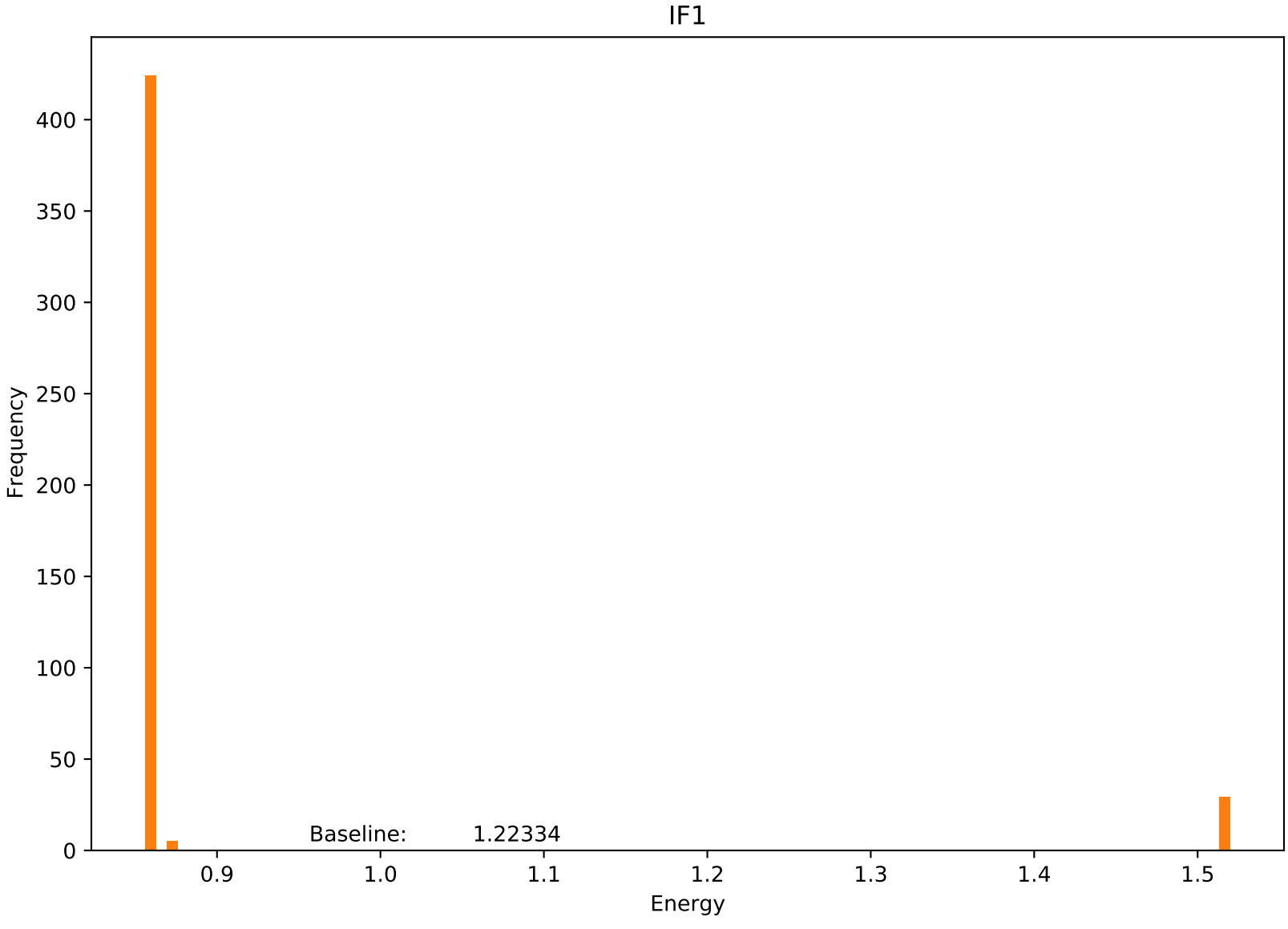

IC5
Frequency
Energy
400
350
300
250
200
150
100
50
0
−0.1664
−0.1662
−0.1660
−0.1658
−0.1656

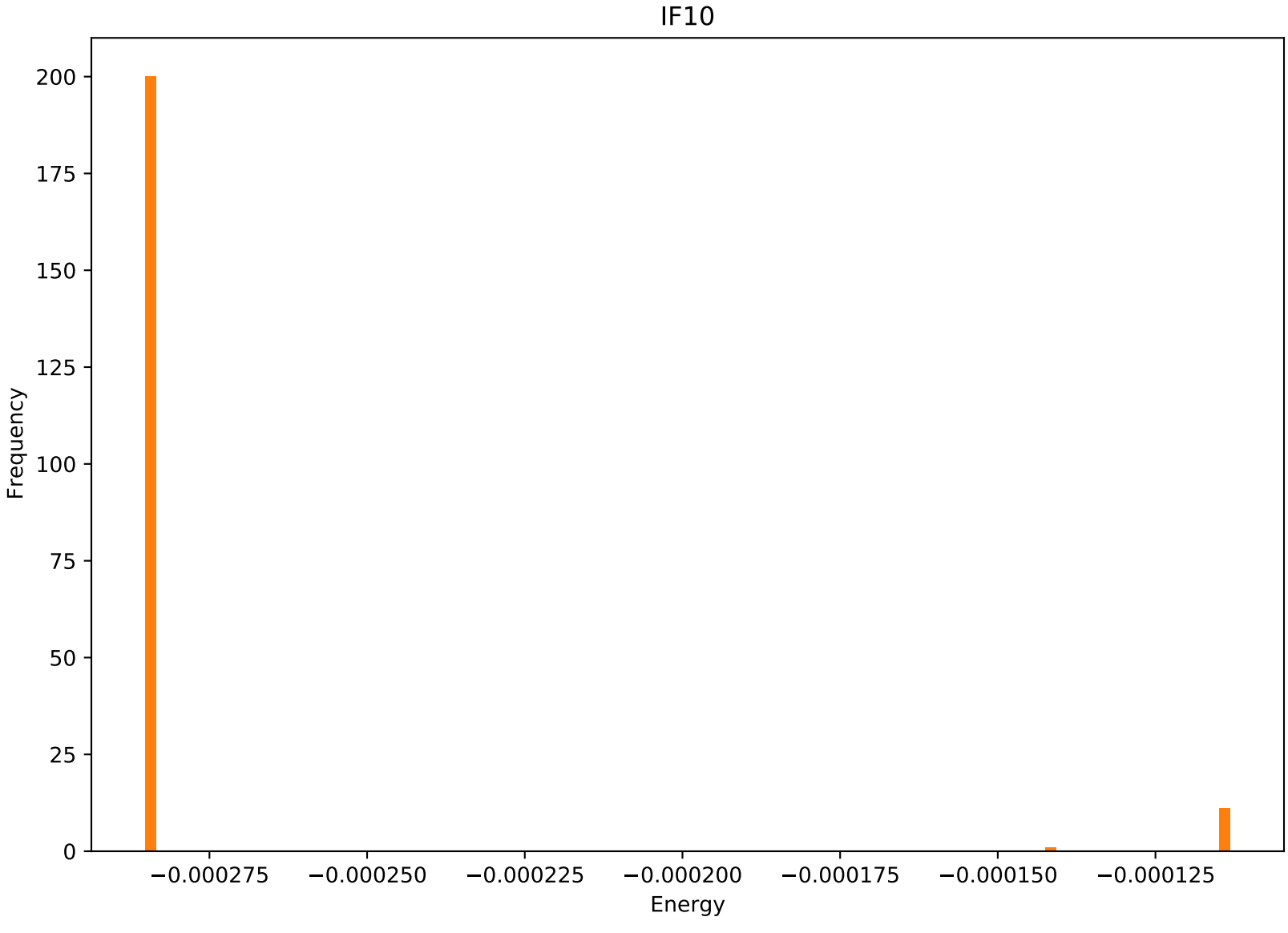

IC6
Frequency
300
250
200
150
100
50
0
−0.0520
−0.0519
−0.0518
−0.0517
−0.0516
−0.0515
−0.0514
−0.0513
Energy

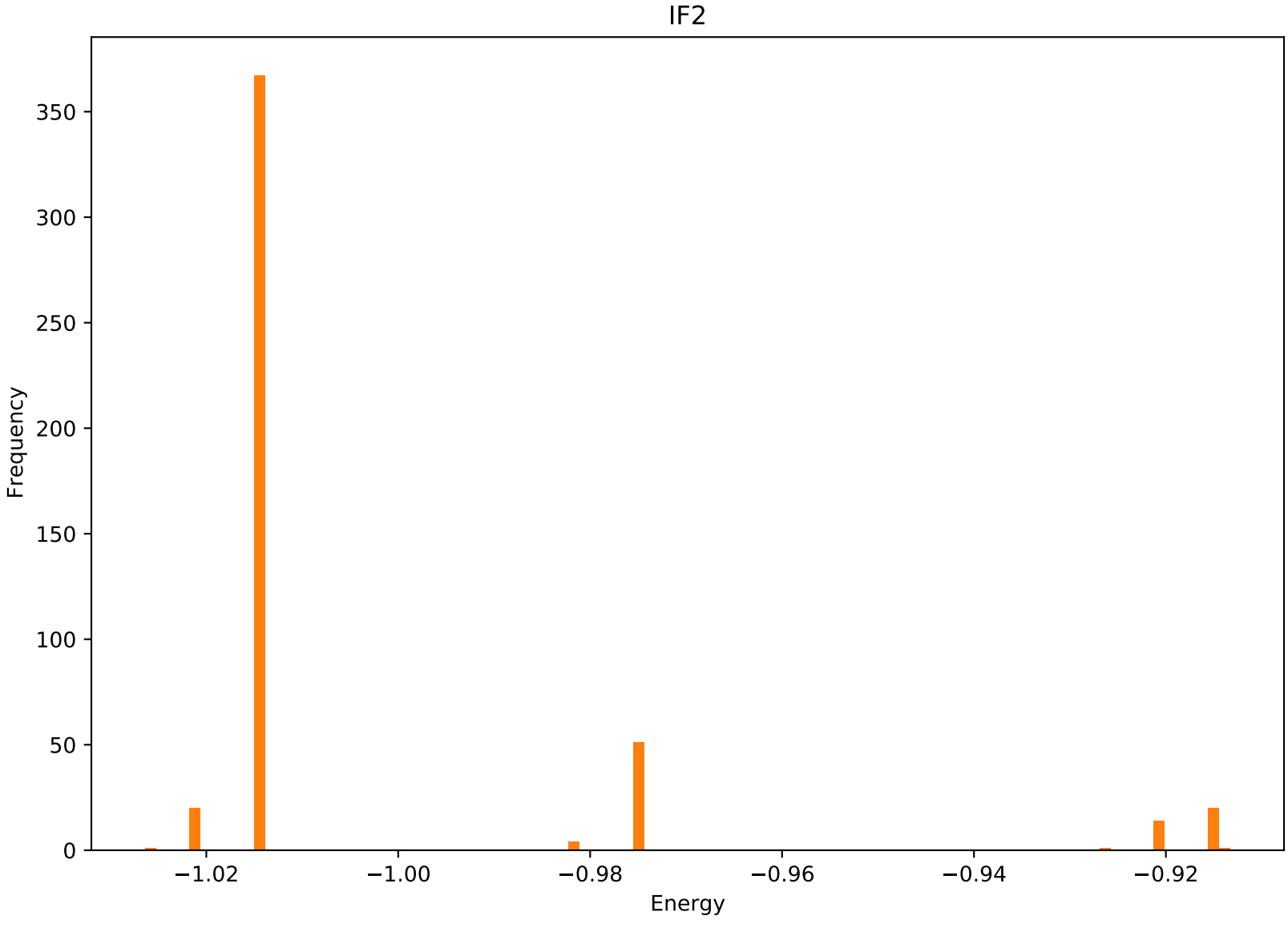

IC7
Frequency
300
250
200
150
100
50
0
−0.0515
−0.0510
−0.0505
−0.0500
−0.0495
−0.0490
−0.0485
−0.0480
Energy

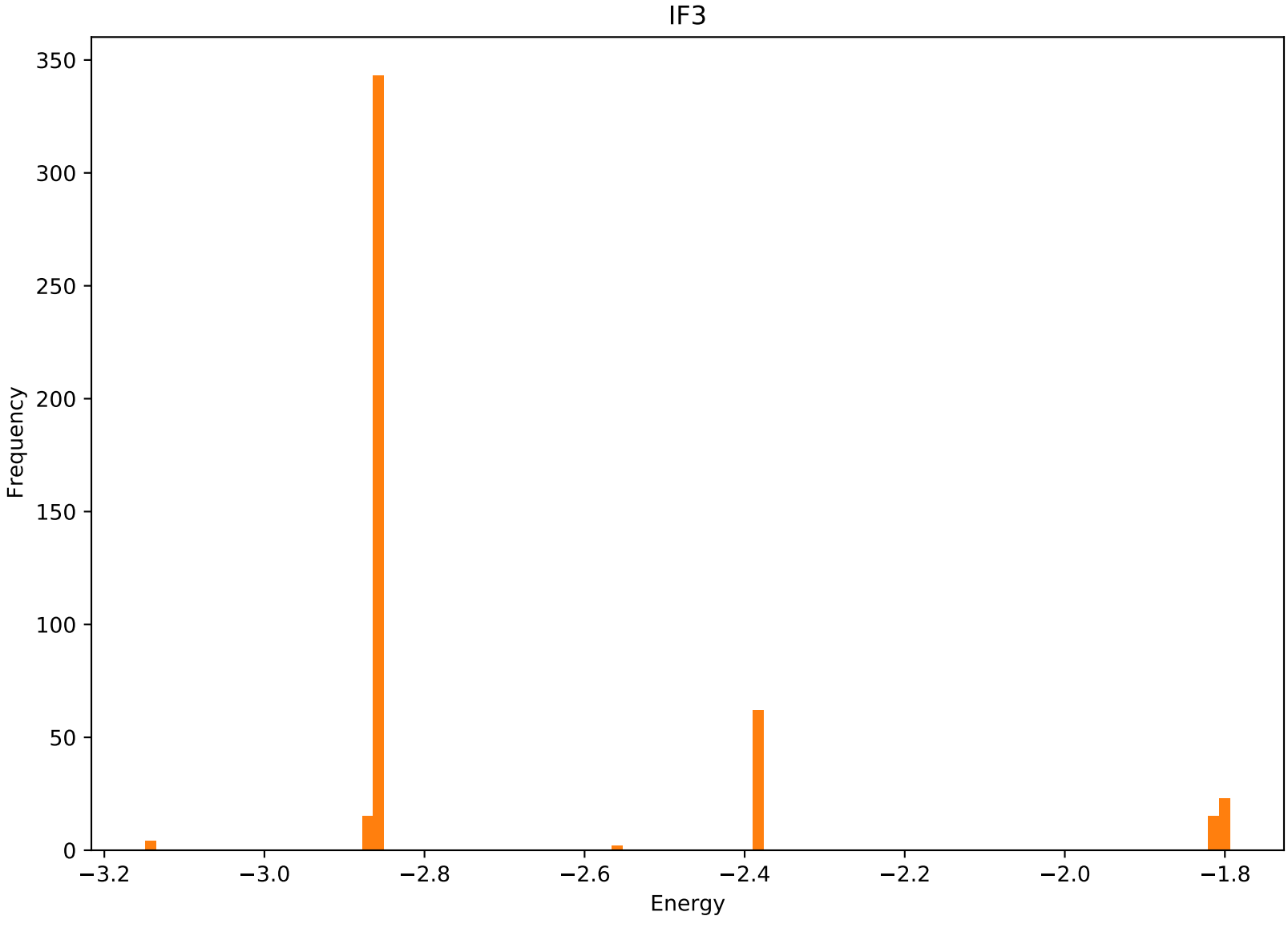

IC8
Frequency
0
10
20
30
40
50
−5.75
−5.50
−5.25
−5.00
−4.75
−4.50
−4.25
−4.00
Energy
1e−7−9.378e−3

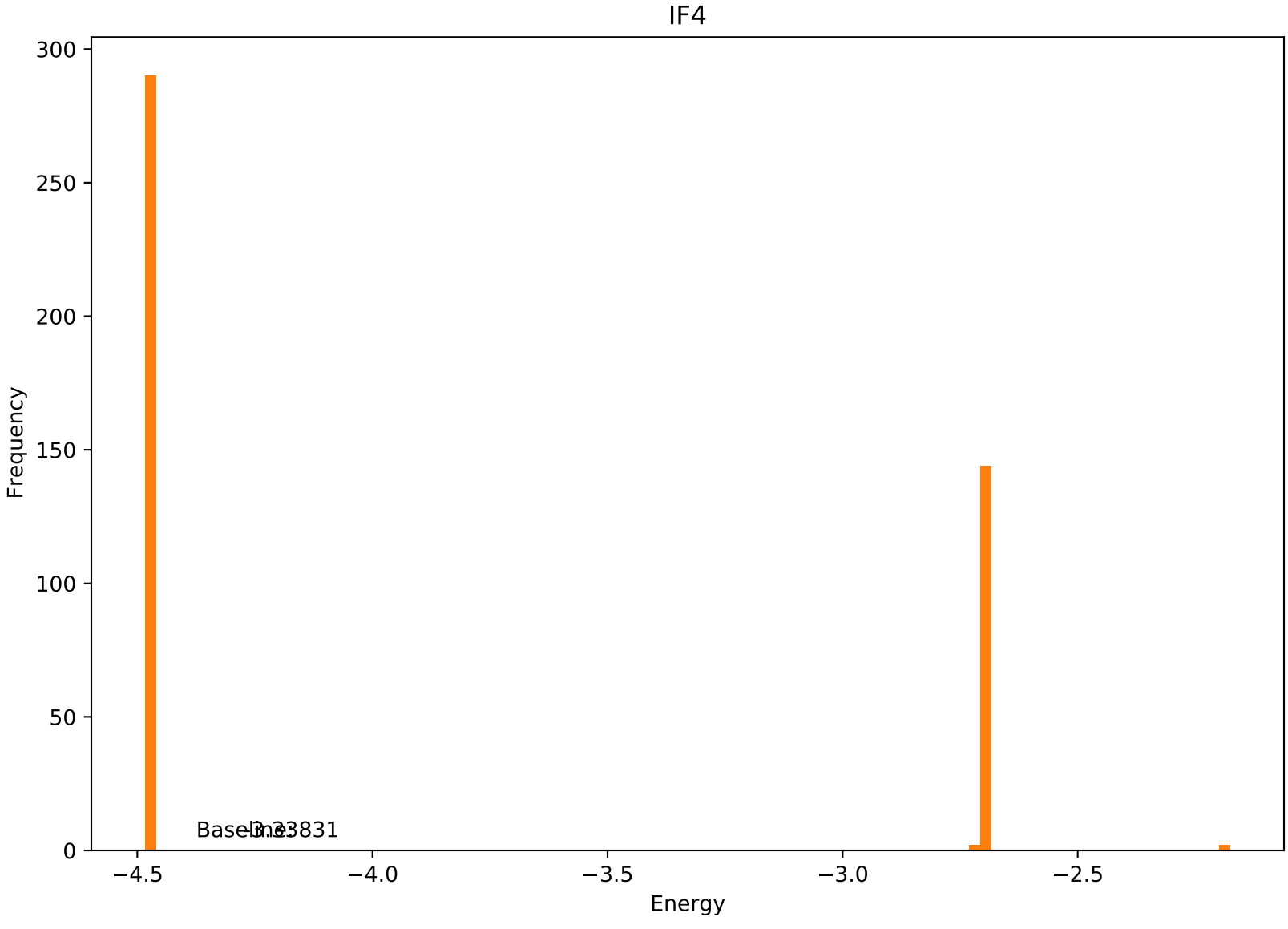

IC9
Frequency
0
5
10
15
20
25
30
−10
−8
−6
−4
−2
Energy
1e−10−1.616e−6

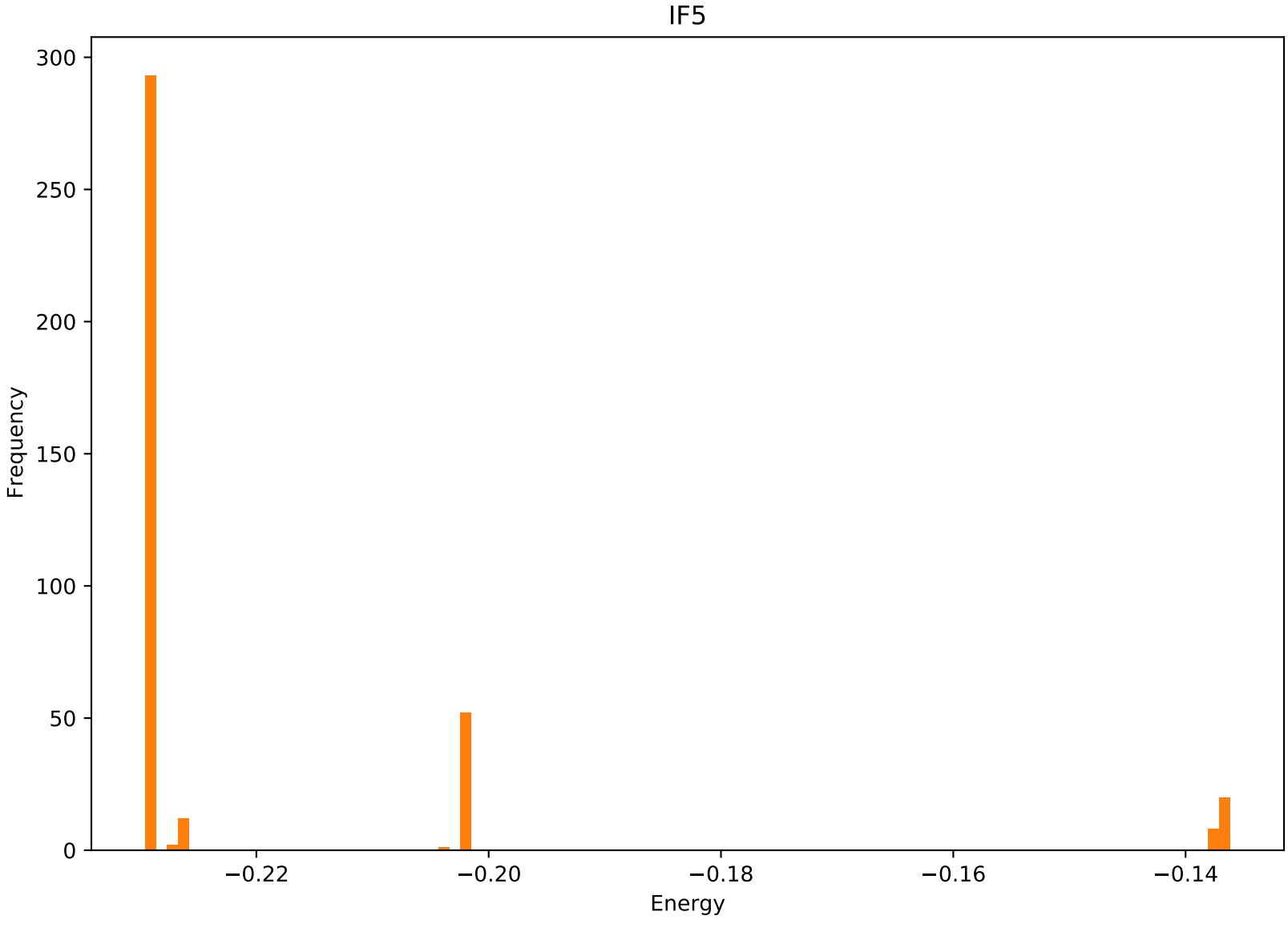

IF1
Frequency
Energy
Baseline: 1.22334
0
50
100
150
200
250
300
350
400
0.9
1.0
1.1
1.2
1.3
1.4
1.5

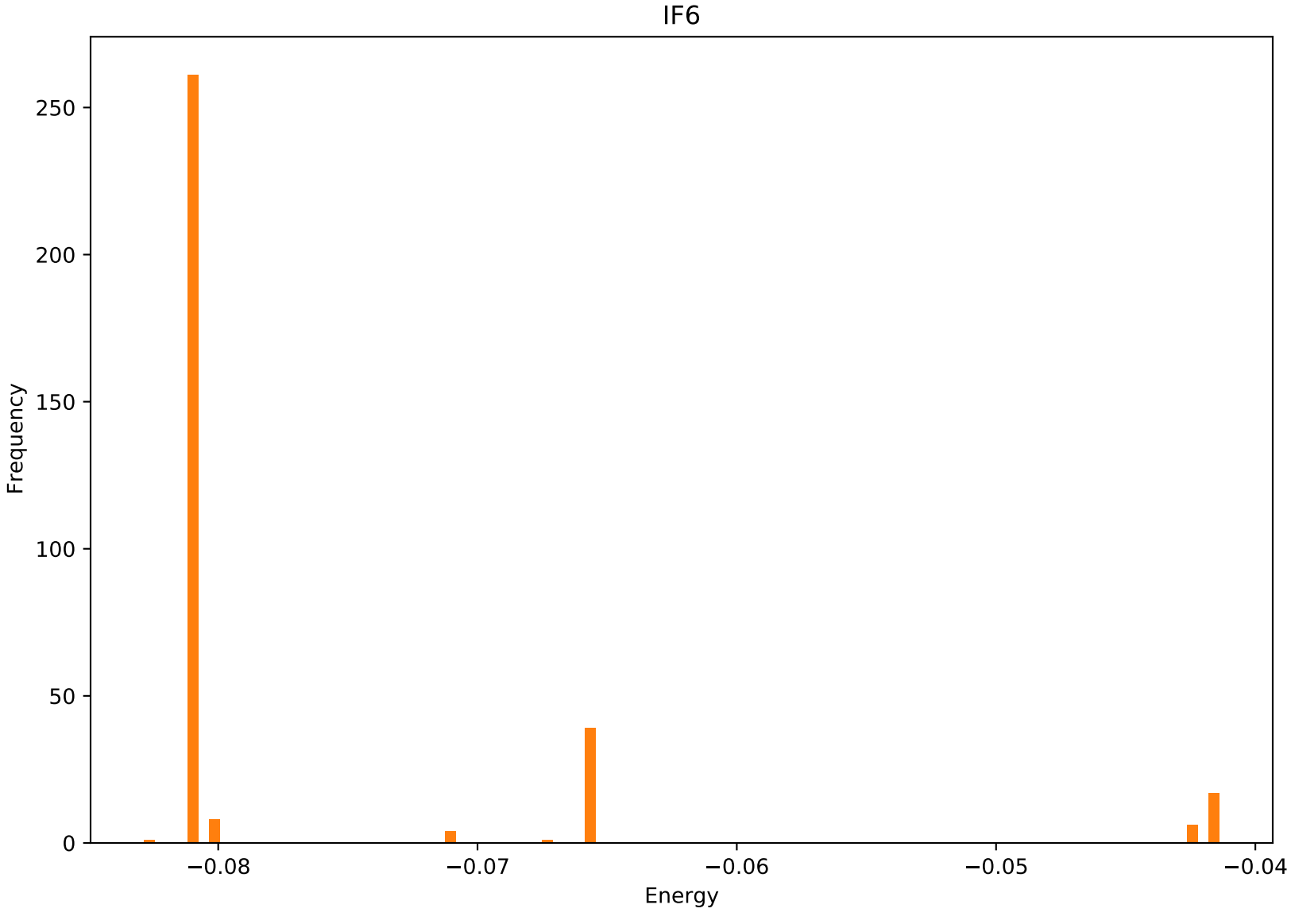

IF10
Frequency
200
175
150
125
100
75
50
25
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

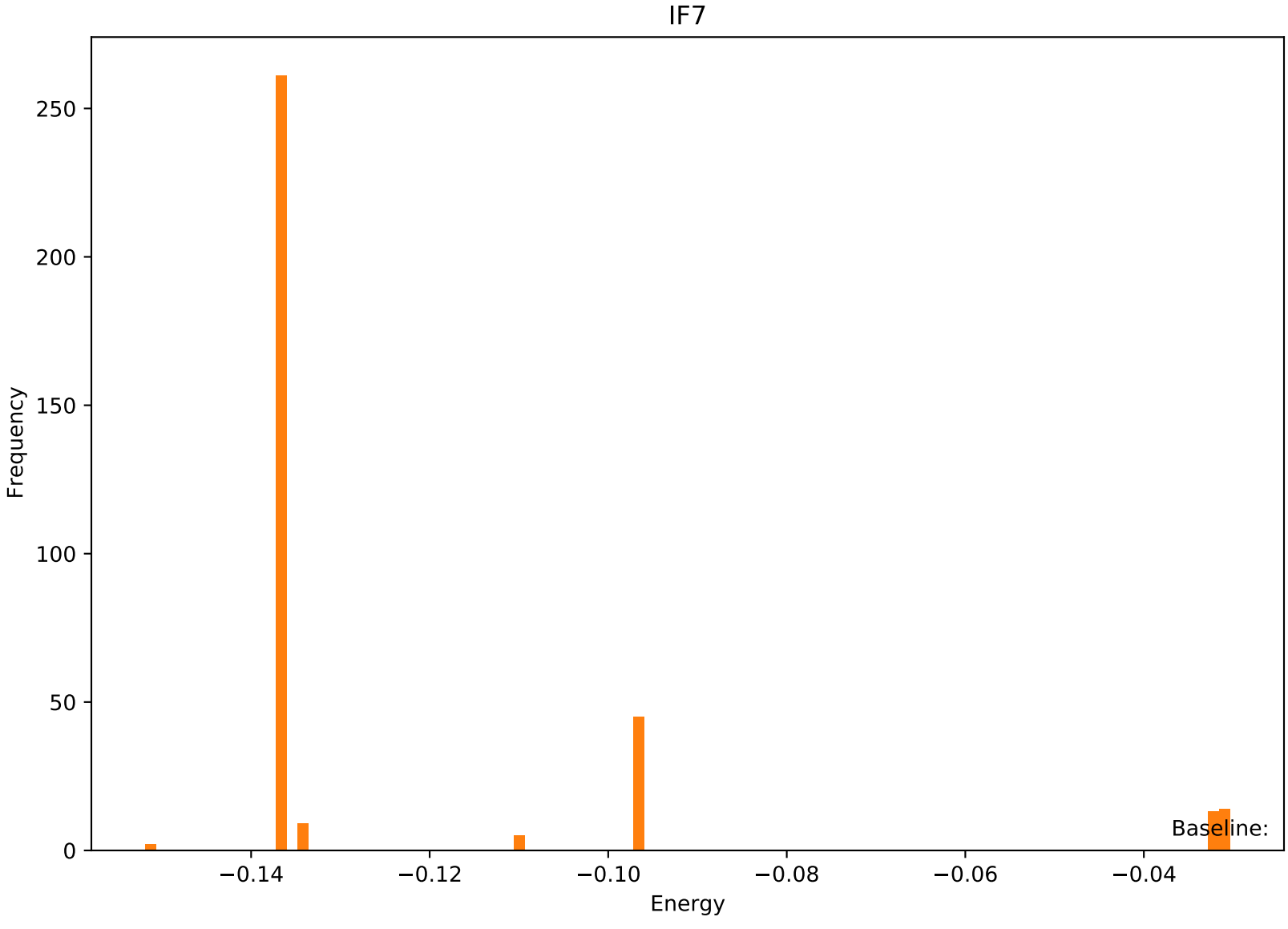

IF2
Frequency
0
50
100
150
200
250
300
350
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
Energy

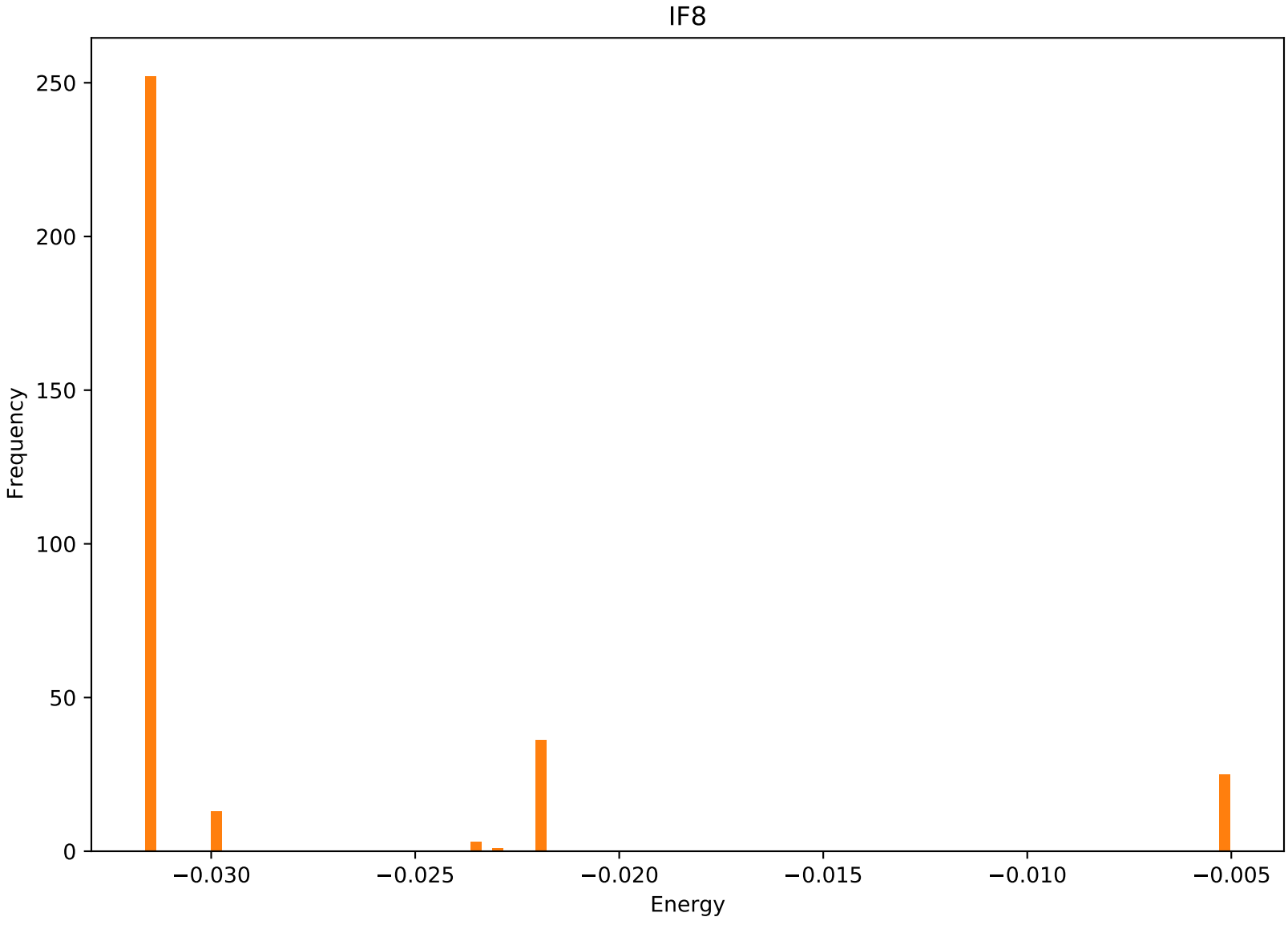

IF3
Frequency
Energy
350
300
250
200
150
100
50
0
−3.2
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

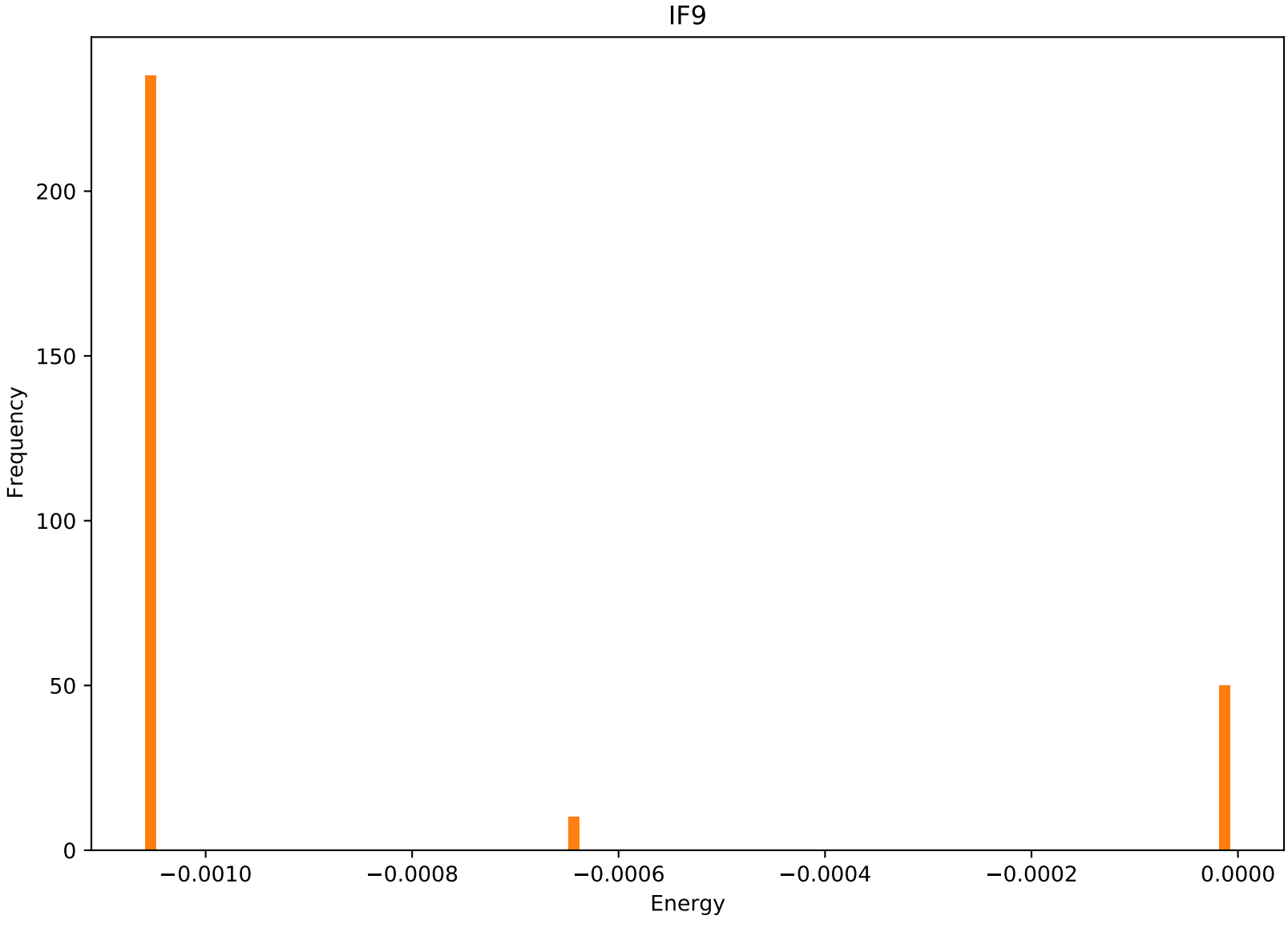

IF4
300
250
200
150
100
50
0
Frequency
−4.5
−4.0
−3.5
−3.0
−2.5
Energy

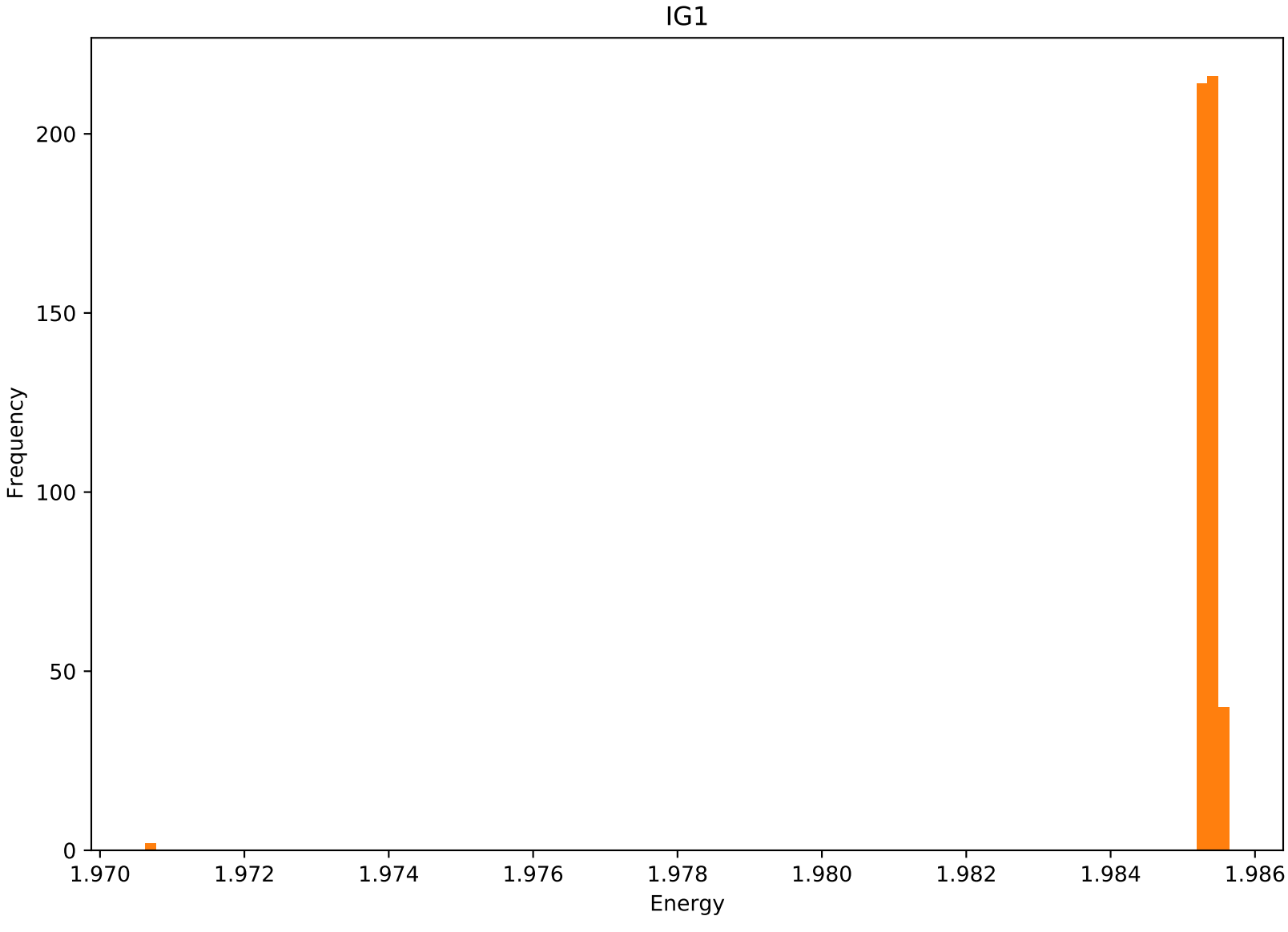

IF5
300
250
200
150
100
50
0
Frequency
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

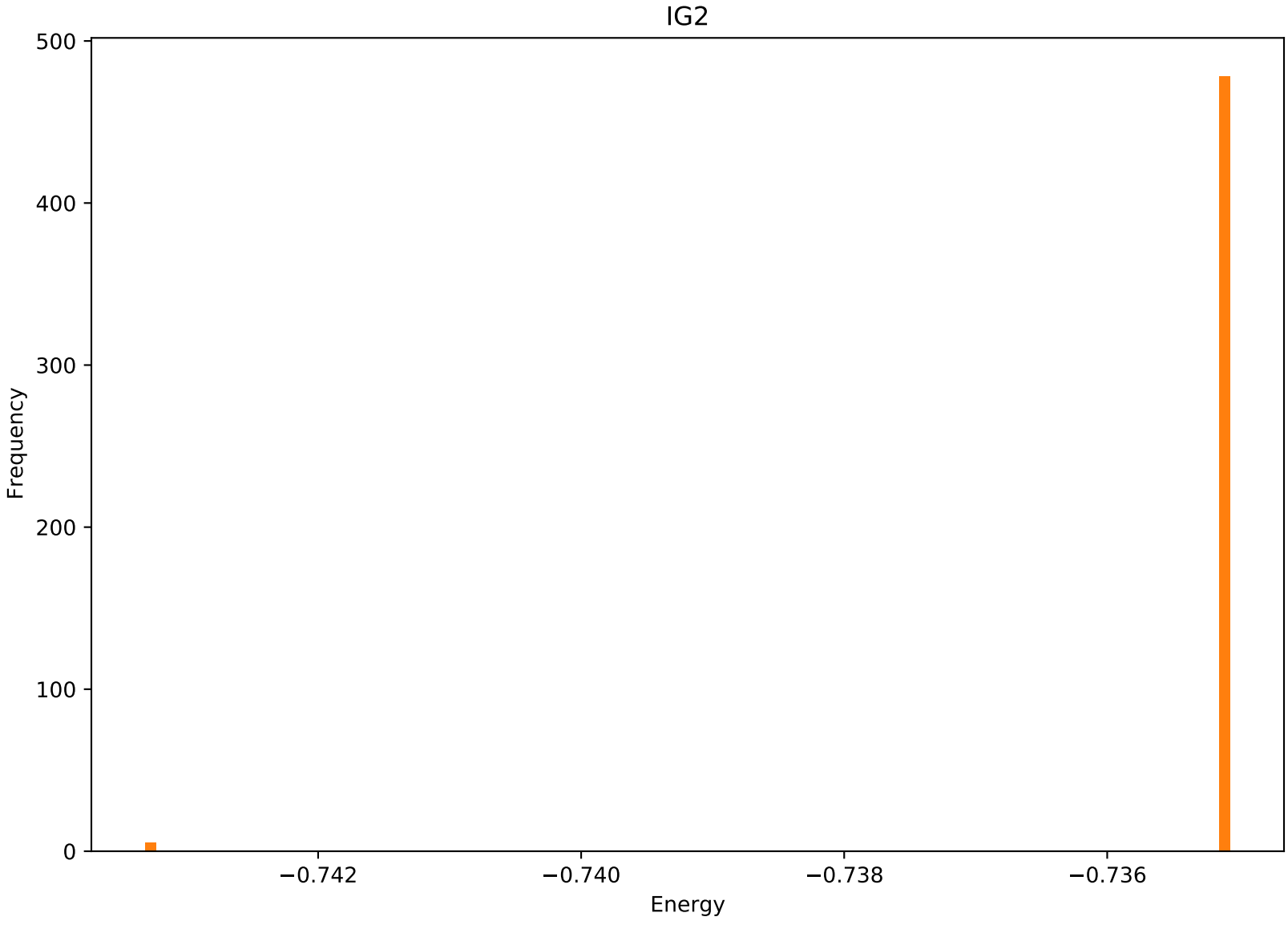

IF6
Frequency
Energy
0
50
100
150
200
250
−0.08
−0.07
−0.06
−0.05
−0.04

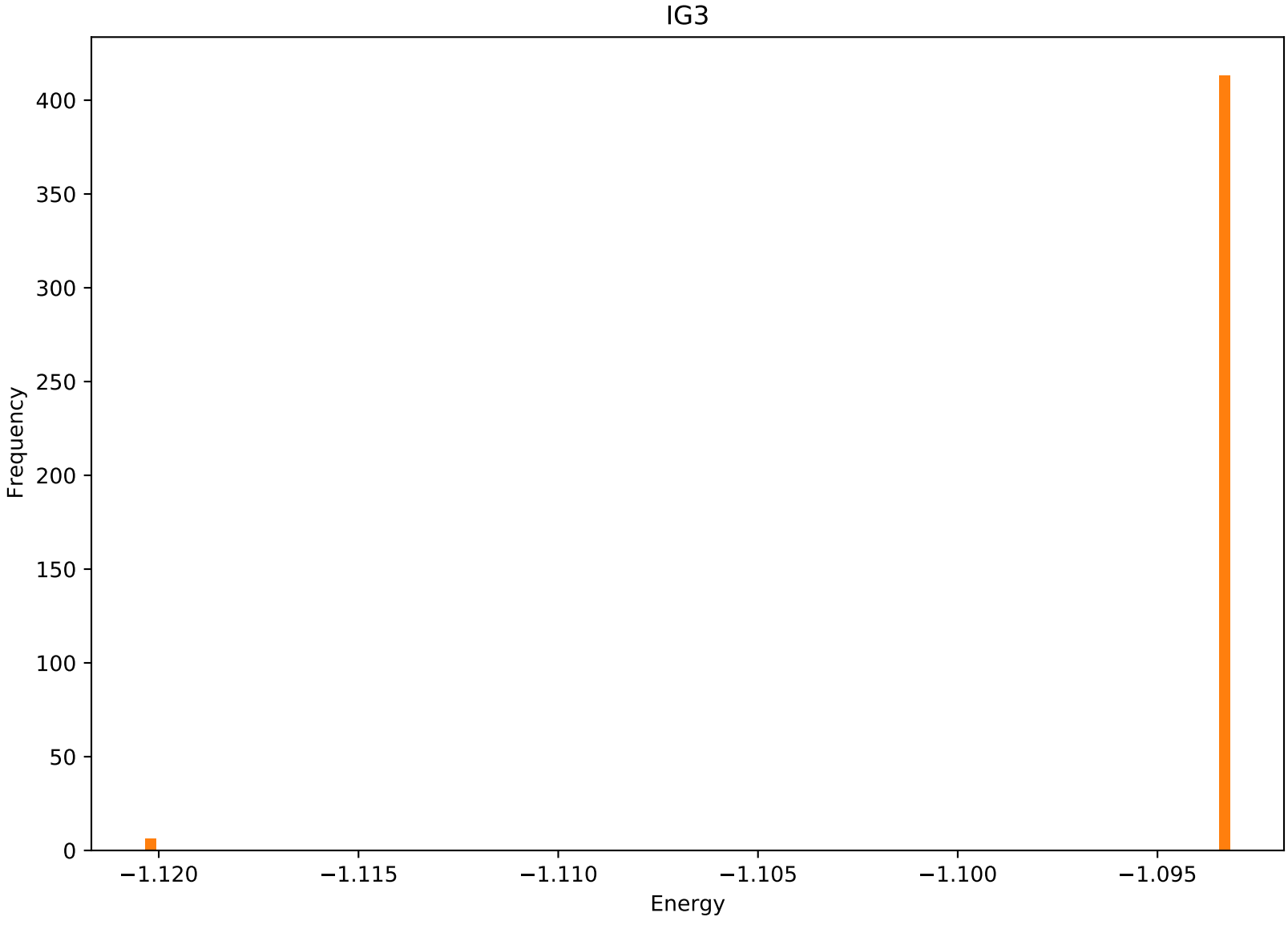

IF7
Frequency
250
200
150
100
50
0
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
Energy
Baseline:

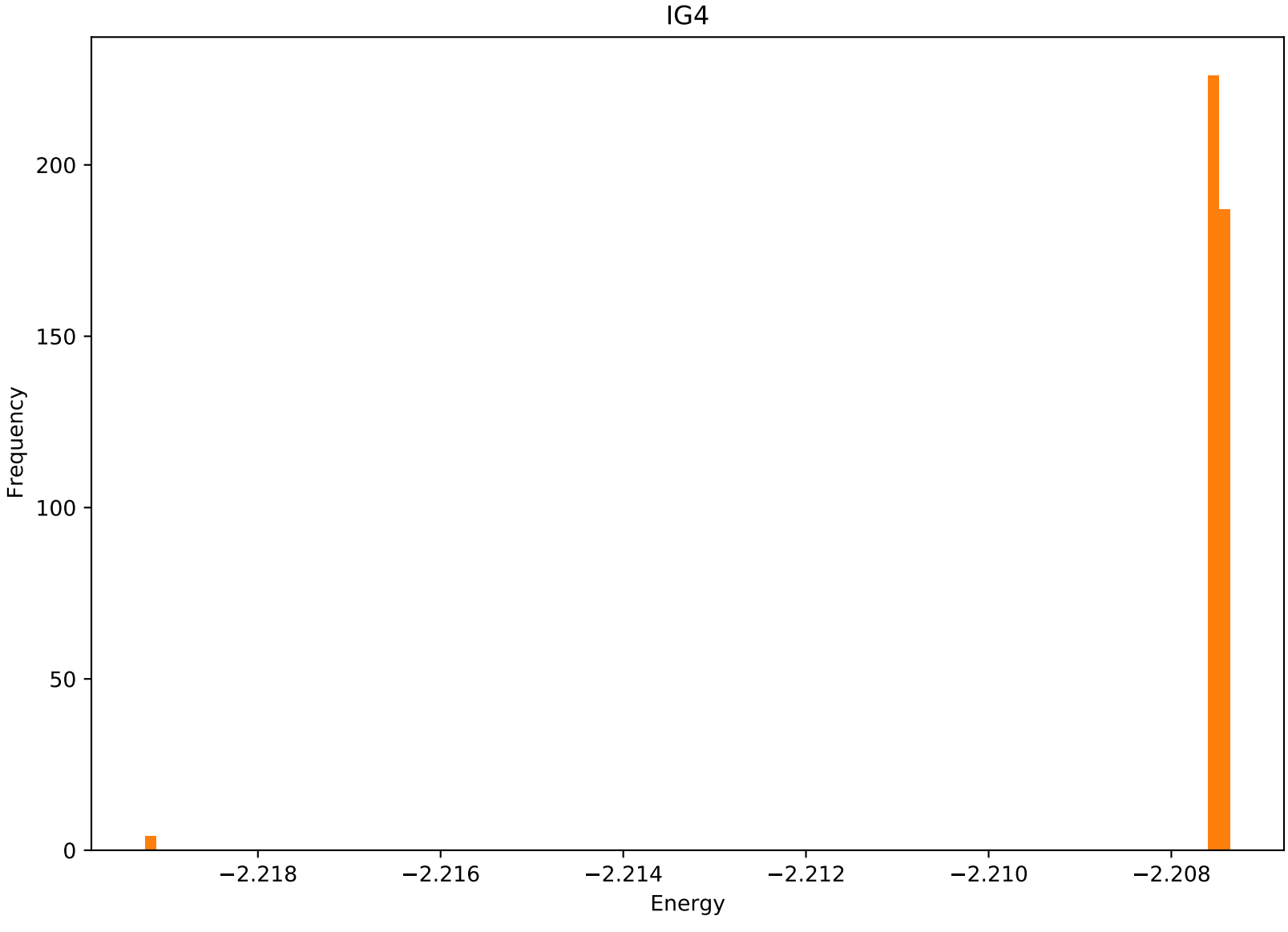

IF8
Frequency
250
200
150
100
50
0
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

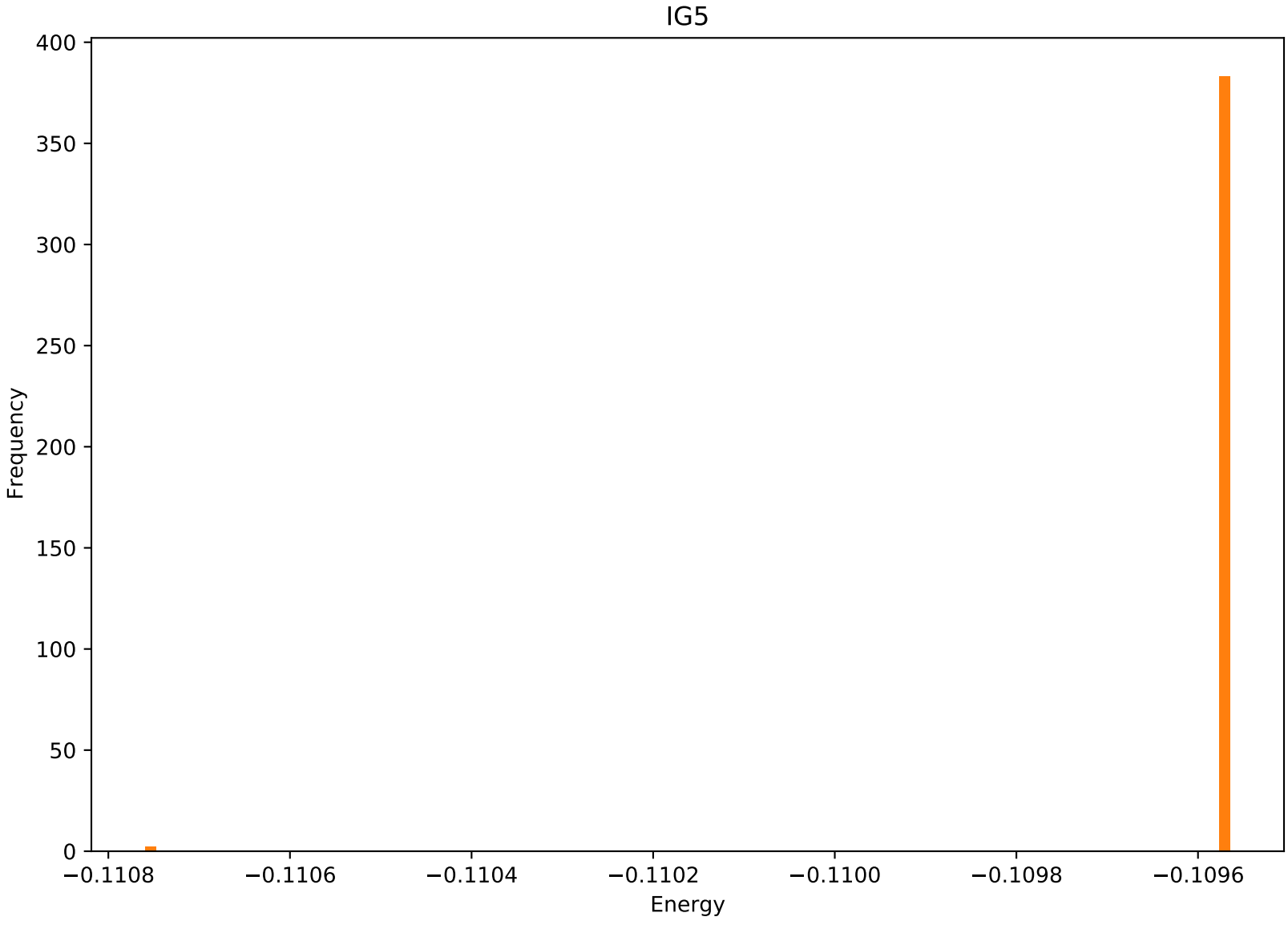

IF9
Frequency
200
150
100
50
0
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

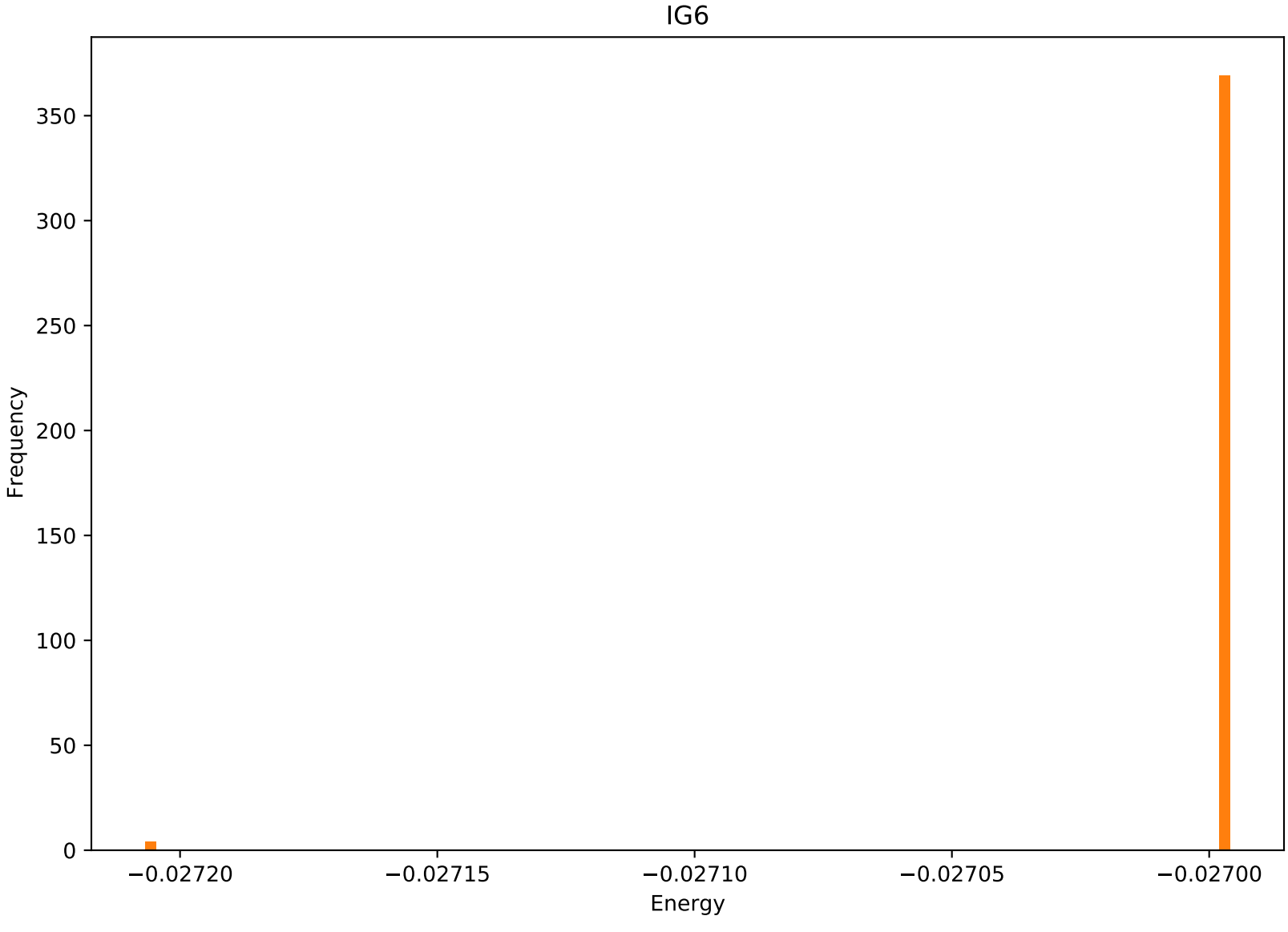

IG1
Frequency
Energy
0
50
100
150
200
1.970
1.972
1.974
1.976
1.978
1.980
1.982
1.984
1.986

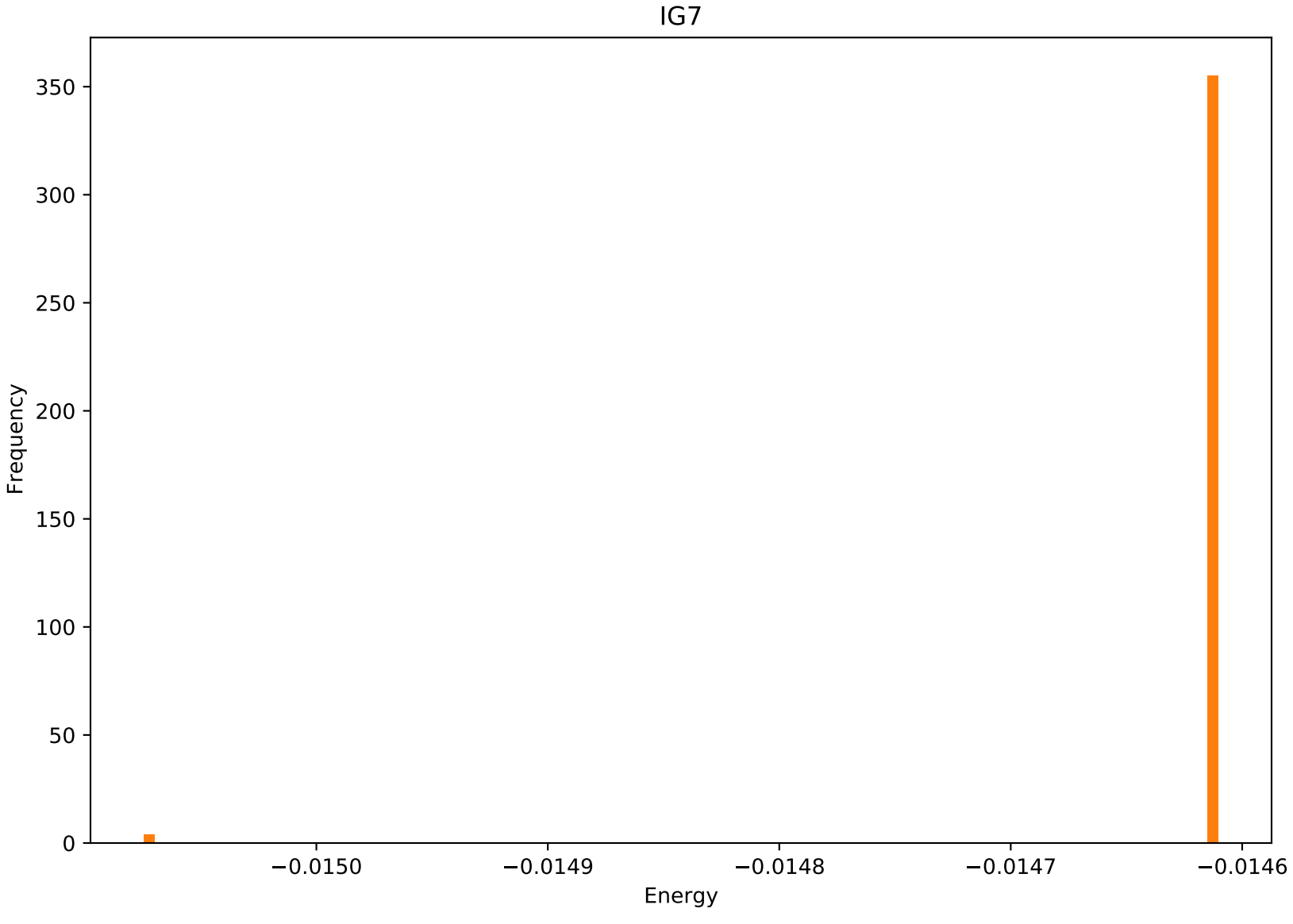

IG2
500
400
300
200
100
0
Frequency
−0.742
−0.740
−0.738
−0.736
Energy

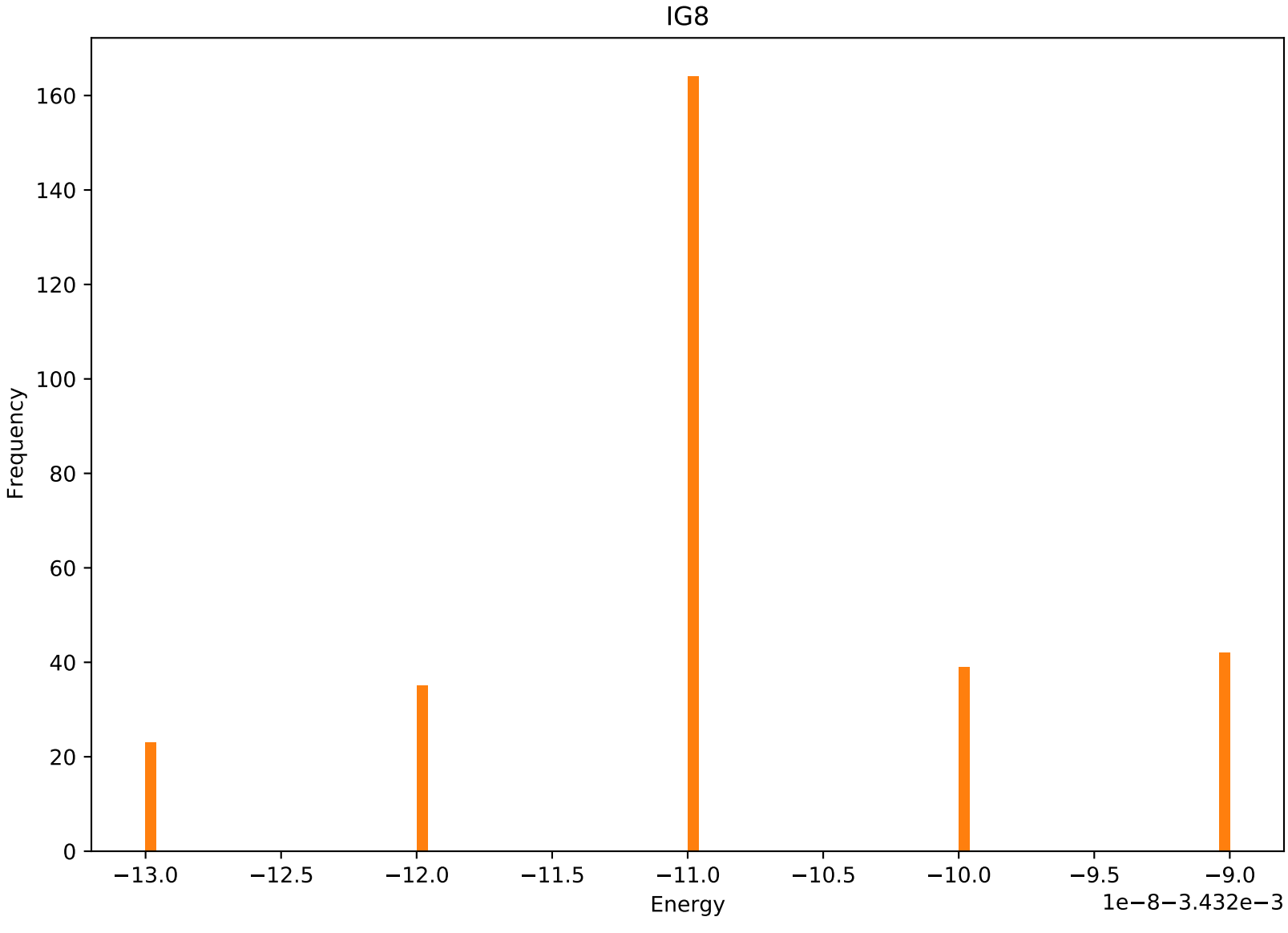

IG3
Frequency
400
350
300
250
200
150
100
50
0
−1.120
−1.115
−1.110
−1.105
−1.100
−1.095
Energy

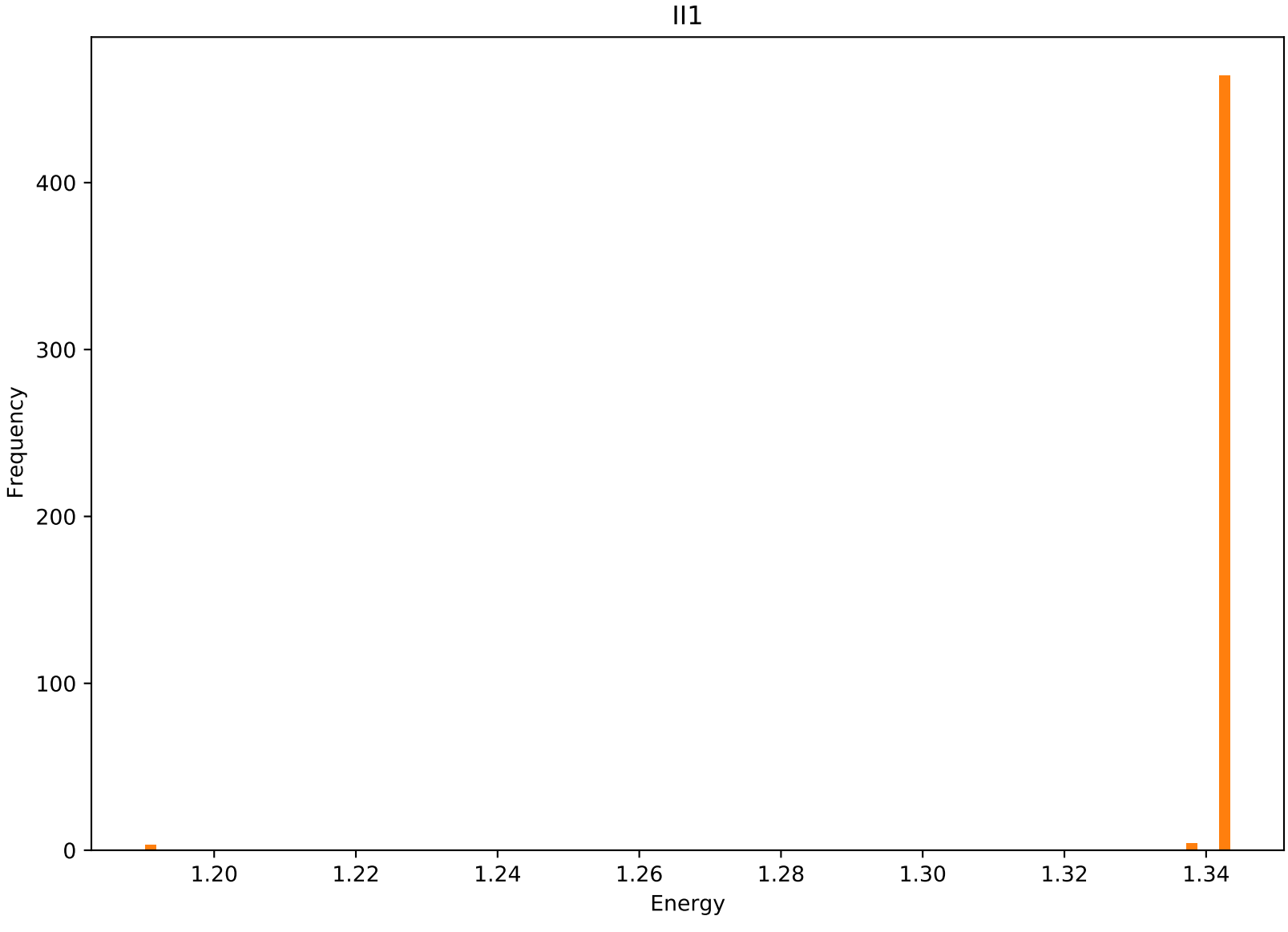

IG4
Frequency
200
150
100
50
0
−2.218
−2.216
−2.214
−2.212
−2.210
−2.208
Energy

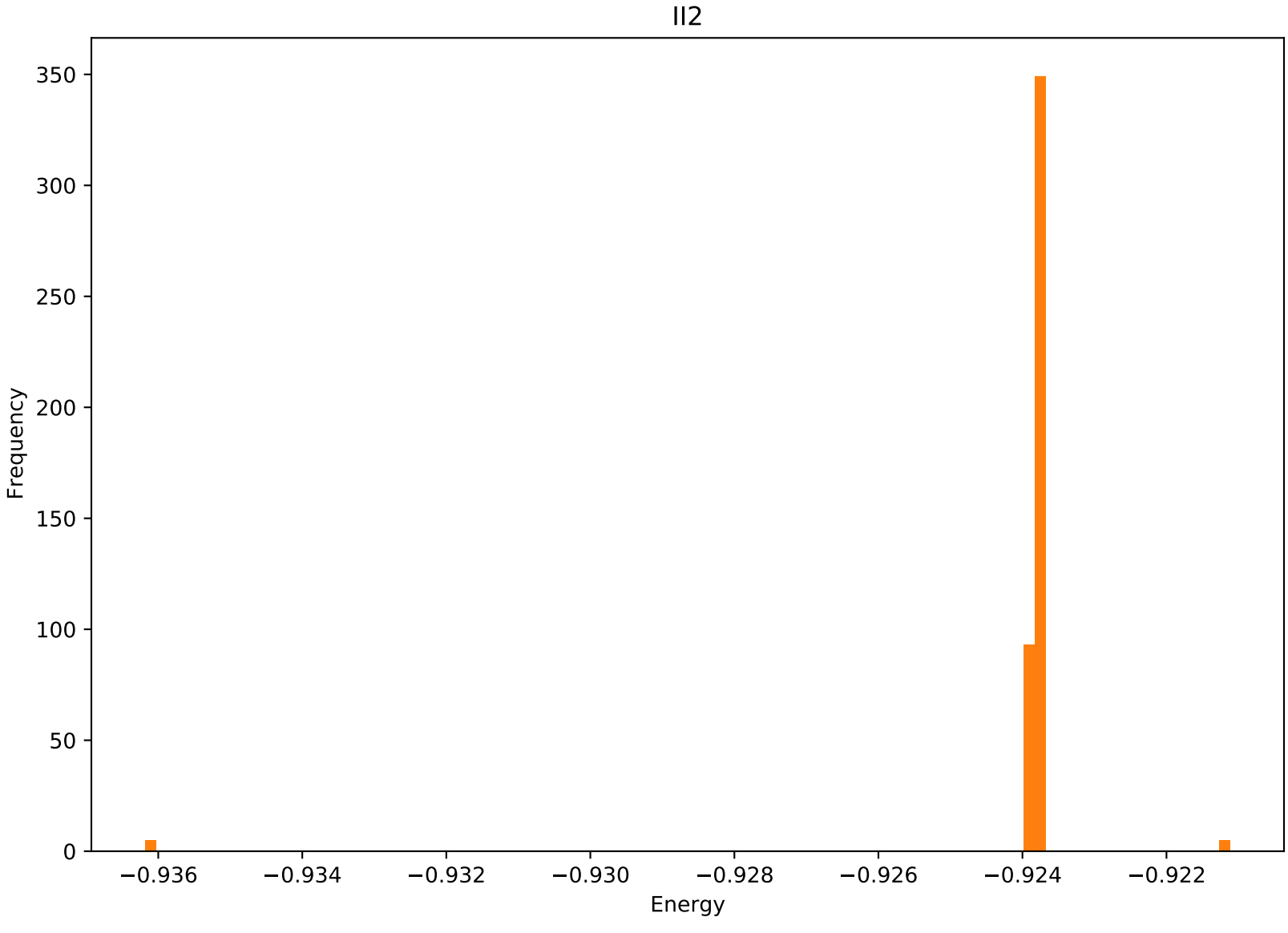

IG5
400
350
300
250
200
150
100
50
0
Frequency
−0.1108
−0.1106
−0.1104
−0.1102
−0.1100
−0.1098
−0.1096
Energy

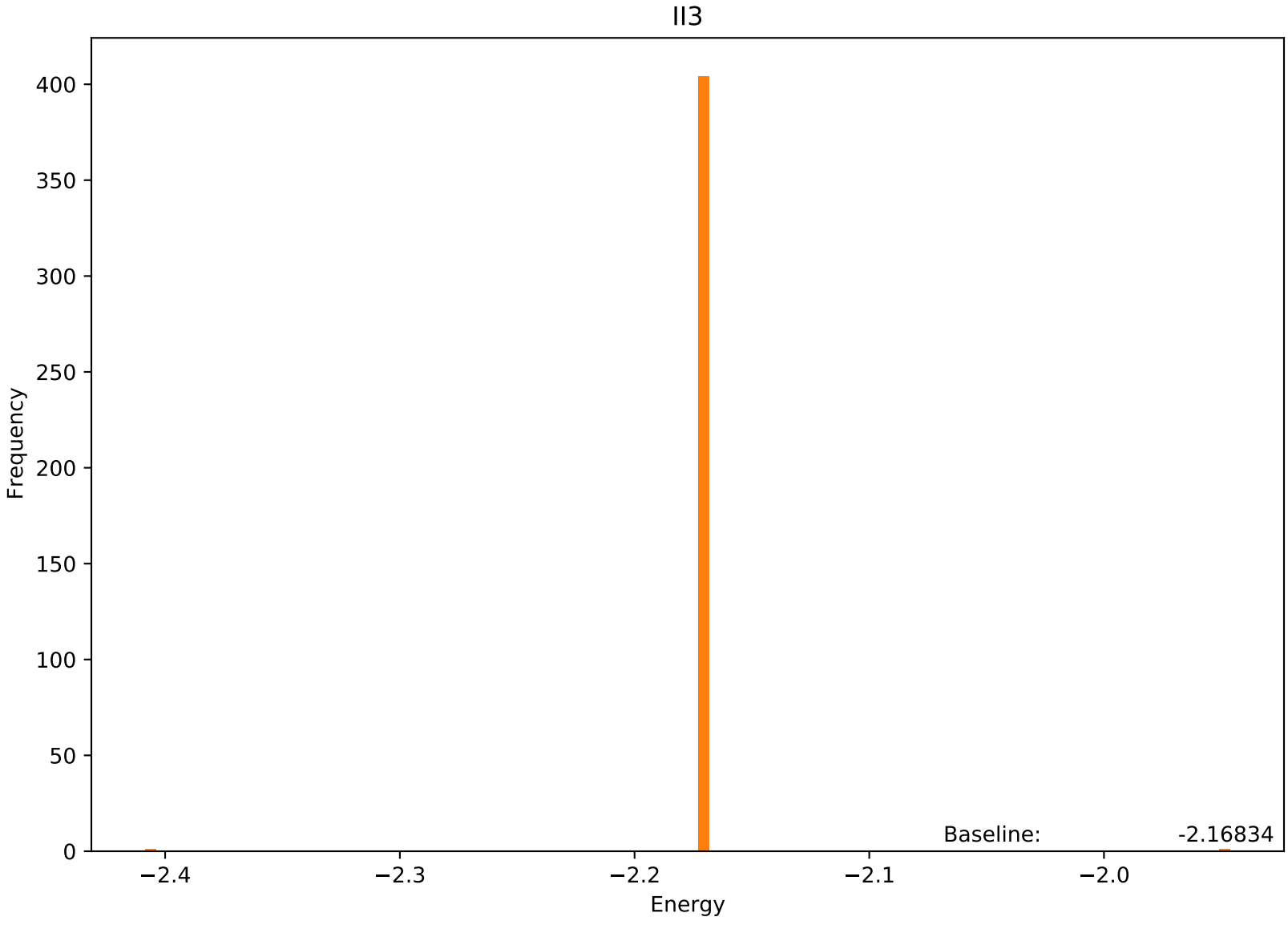

IG6
Frequency
350
300
250
200
150
100
50
0
−0.02720
−0.02715
−0.02710
−0.02705
−0.02700
Energy

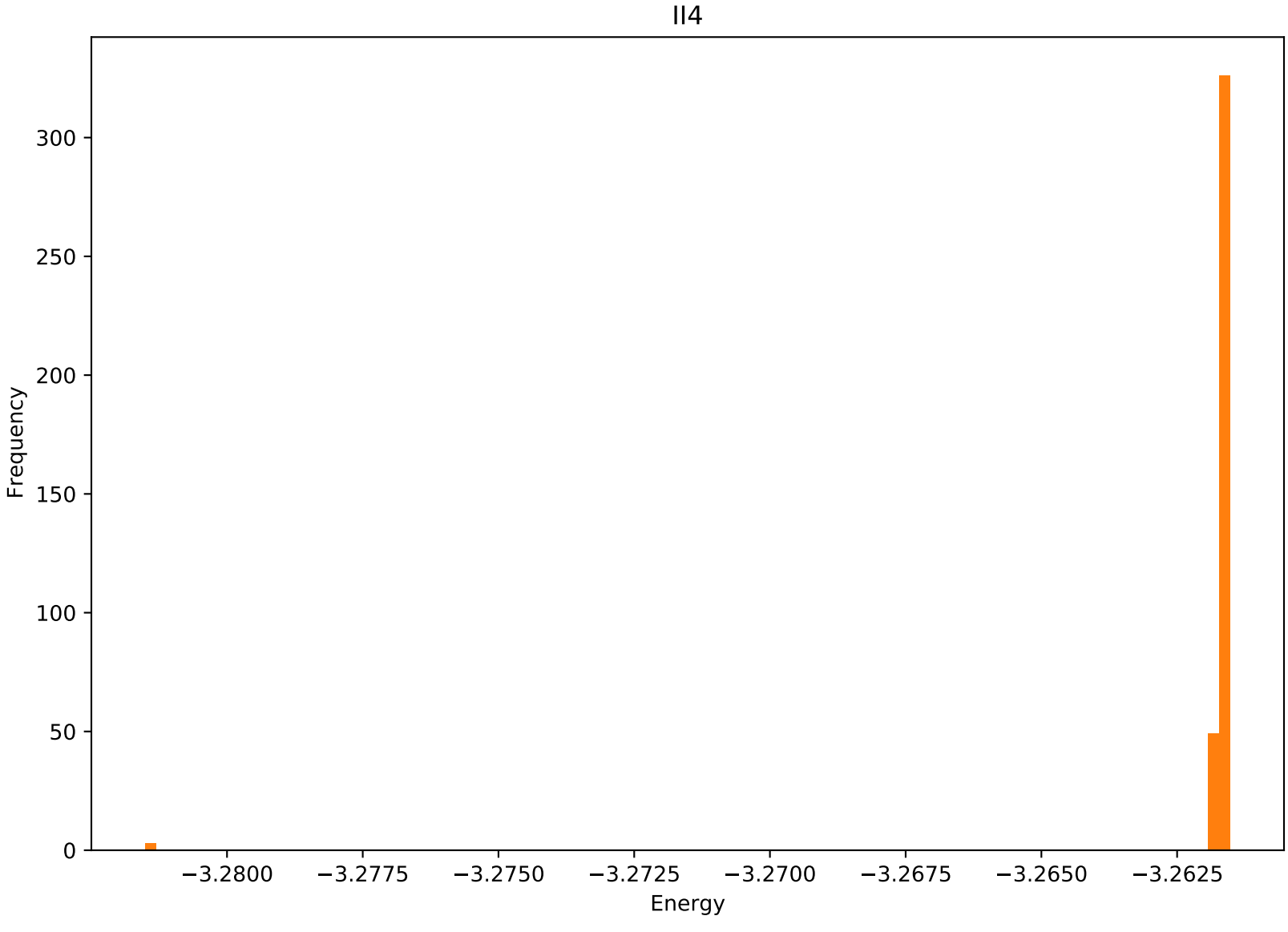

IG7
Frequency
350
300
250
200
150
100
50
0
−0.0150
−0.0149
−0.0148
−0.0147
−0.0146
Energy

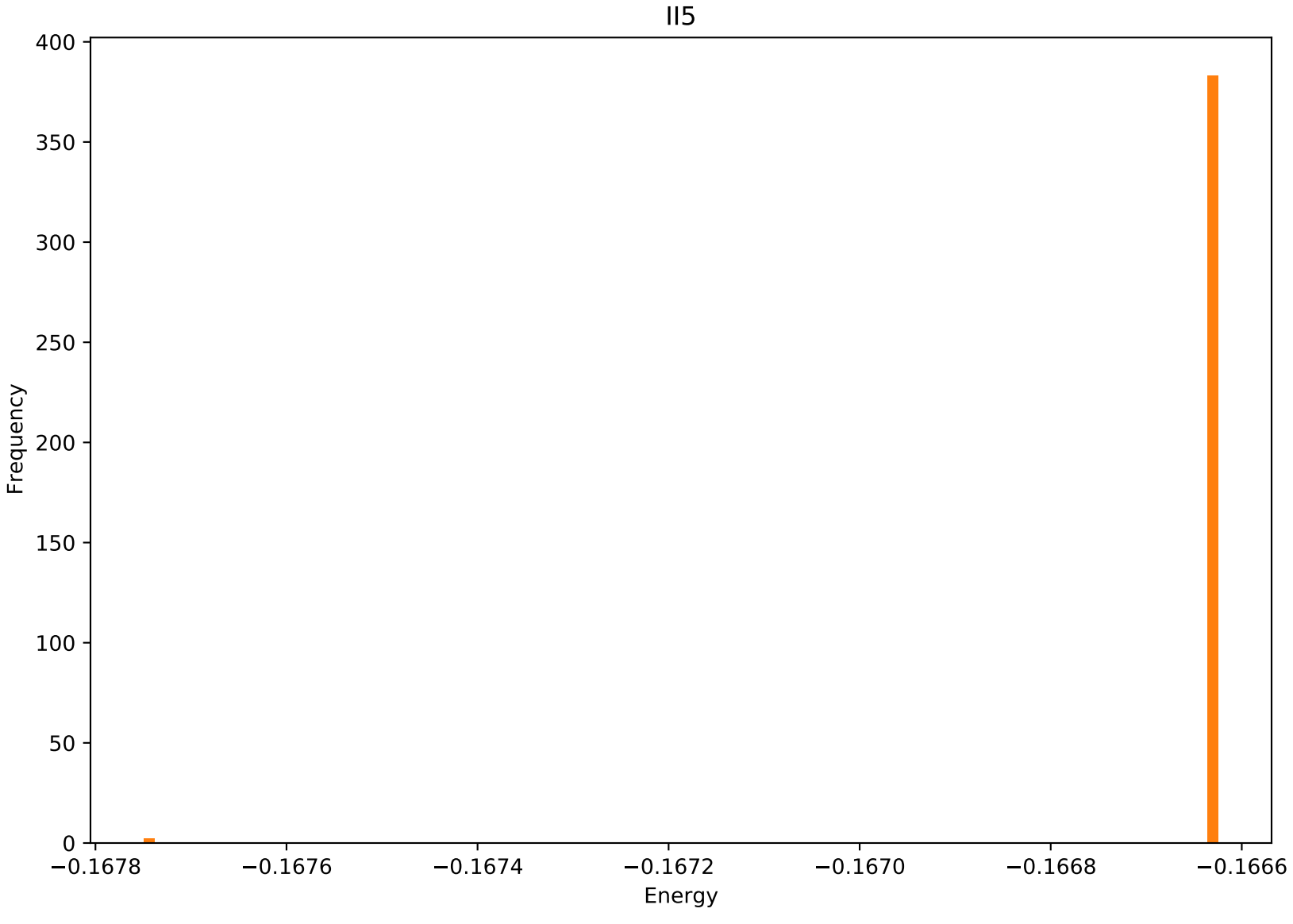

IG8
Frequency
0
20
40
60
80
100
120
140
160
−13.0
−12.5
−12.0
−11.5
−11.0
−10.5
−10.0
−9.5
−9.0
Energy
1e−8−3.432e−3

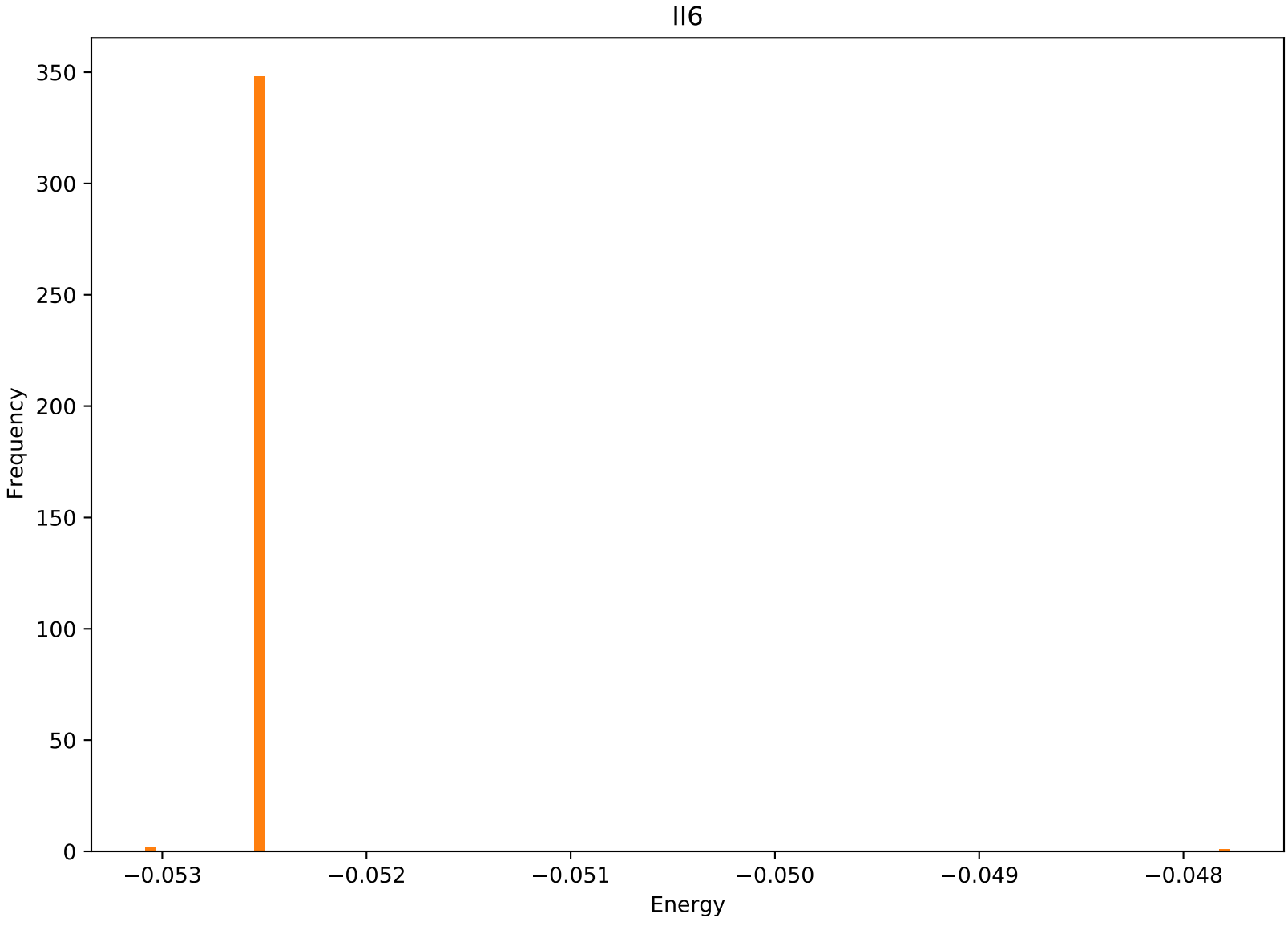

II1
Frequency
0
100
200
300
400
1.20
1.22
1.24
1.26
1.28
1.30
1.32
1.34
Energy

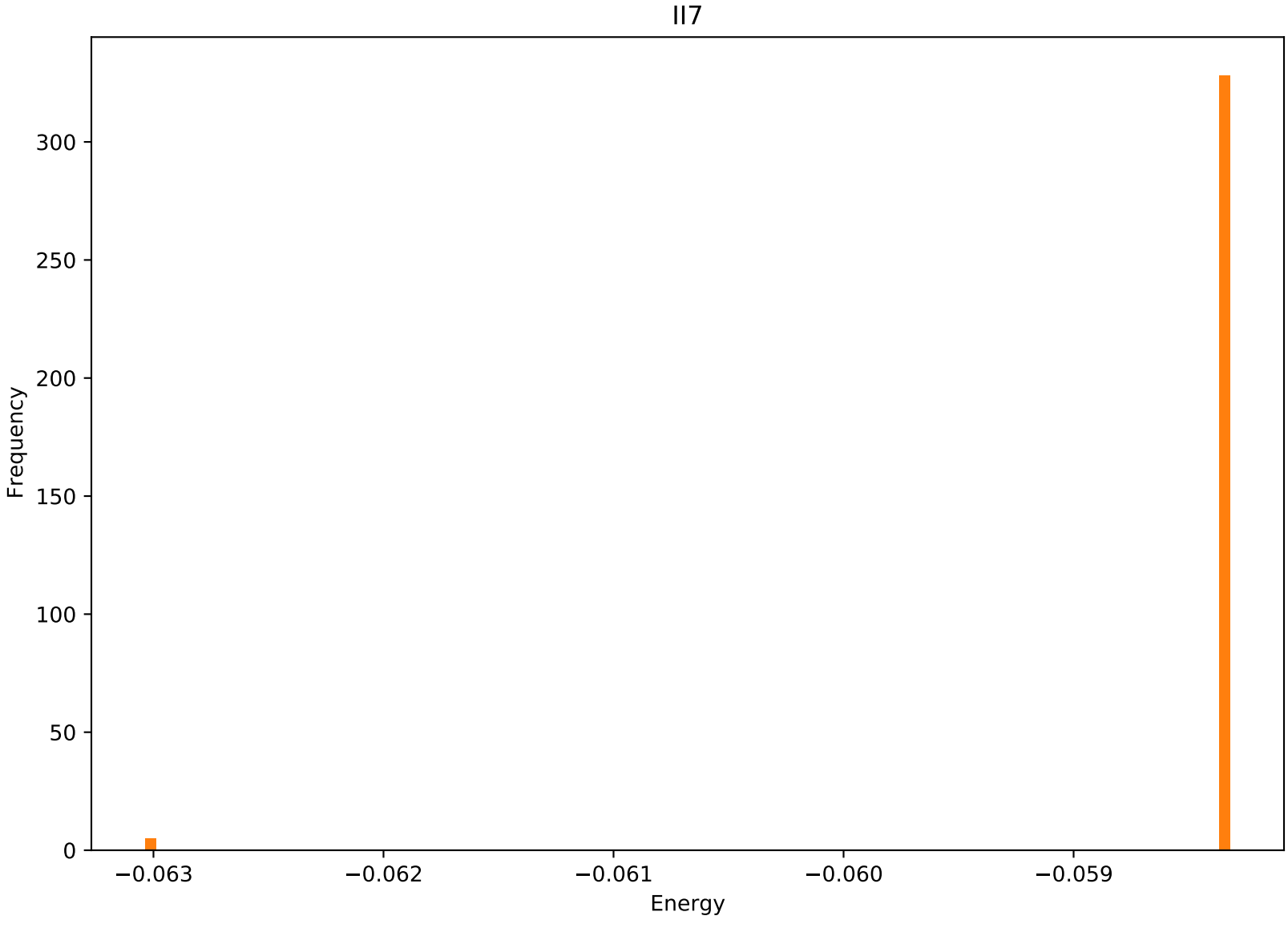

II2
Frequency
Energy
0
50
100
150
200
250
300
350
−0.936
−0.934
−0.932
−0.930
−0.928
−0.926
−0.924
−0.922

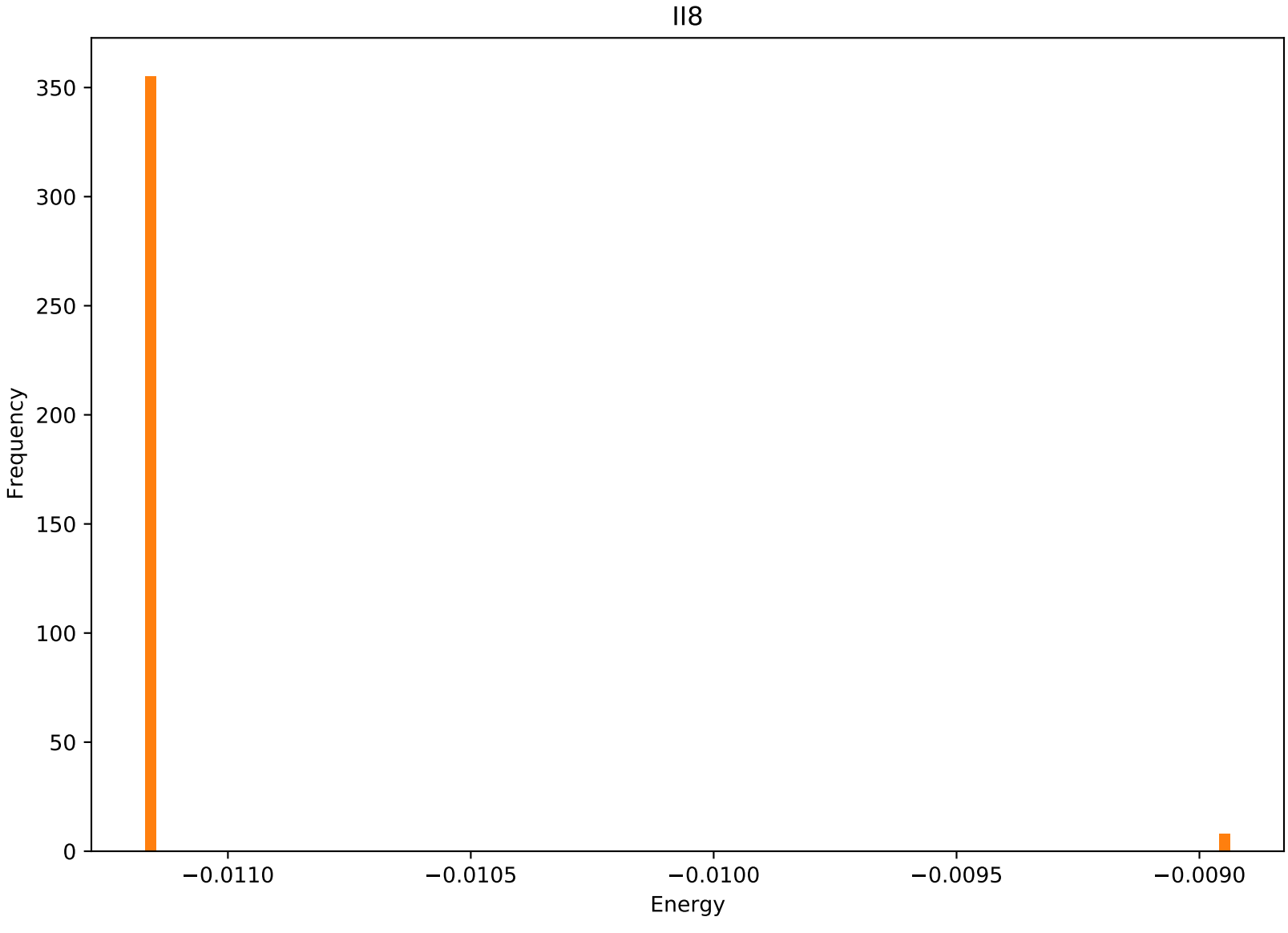

II3
Frequency
Energy
Baseline:
-2.16834
0
50
100
150
200
250
300
350
400
−2.4
−2.3
−2.2
−2.1
−2.0

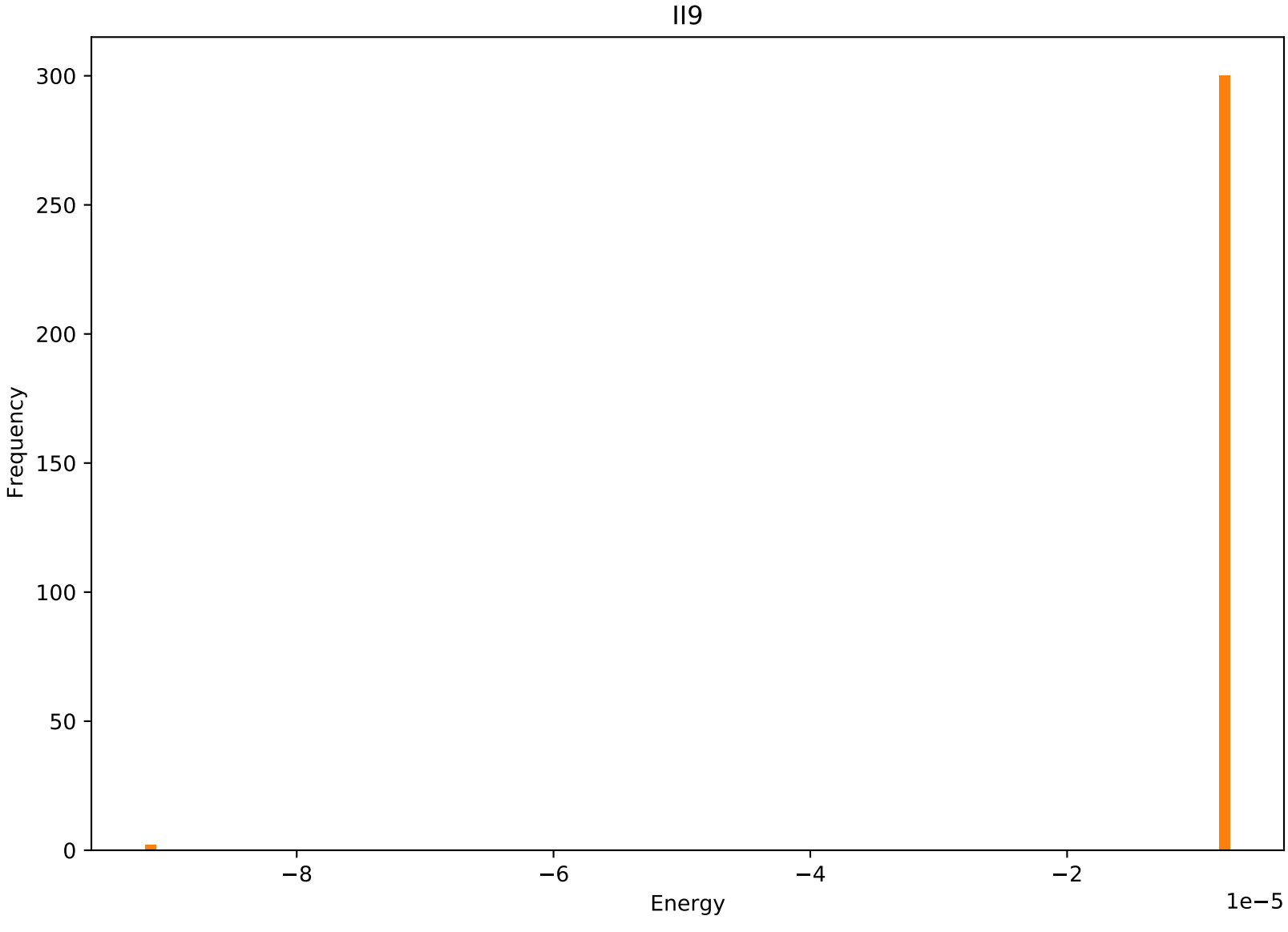

II4
Frequency
0
50
100
150
200
250
300
−3.2800
−3.2775
−3.2750
−3.2725
−3.2700
−3.2675
−3.2650
−3.2625
Energy

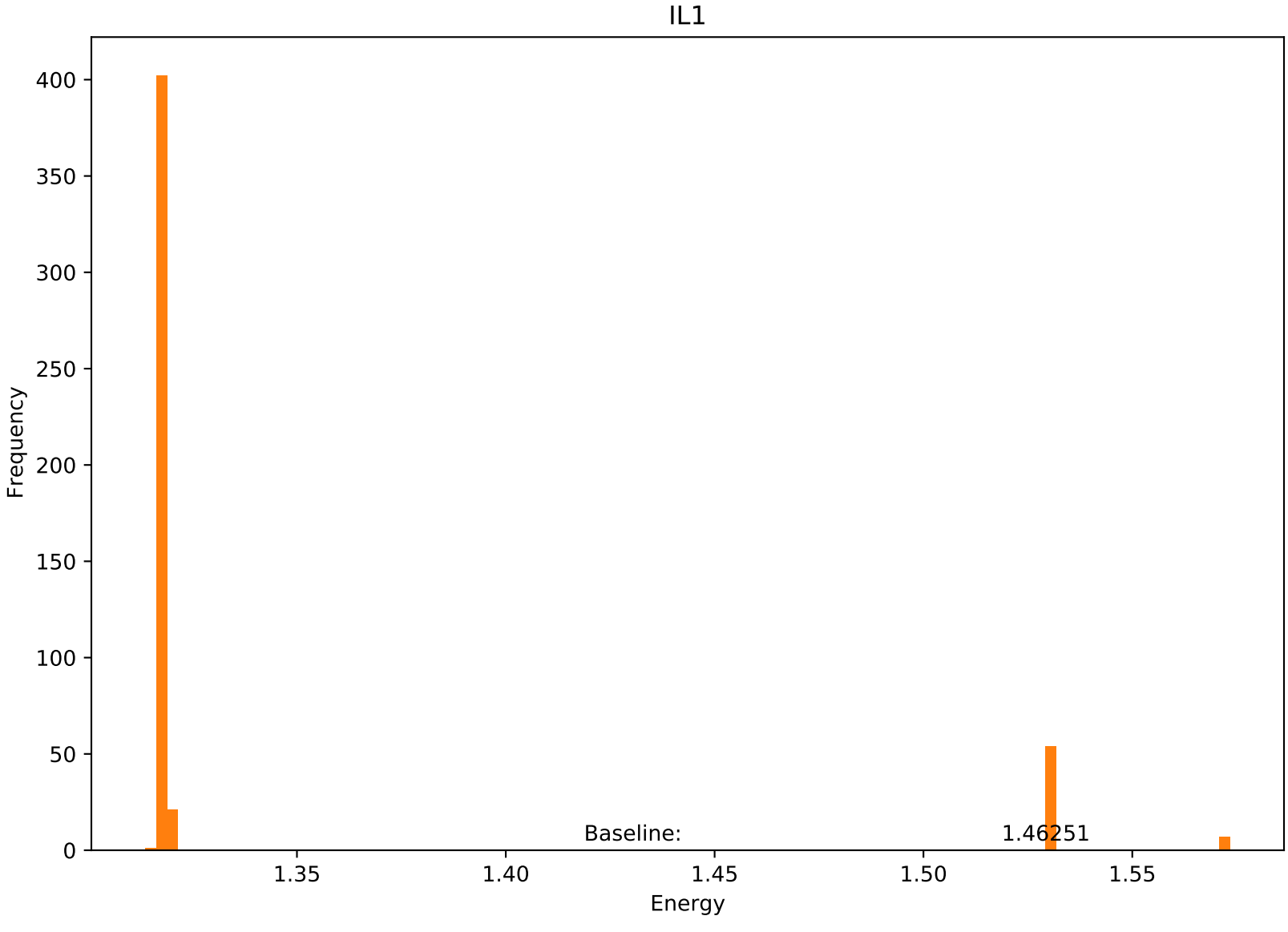

II5
400
350
300
250
200
150
100
50
0
Frequency
−0.1678
−0.1676
−0.1674
−0.1672
−0.1670
−0.1668
−0.1666
Energy

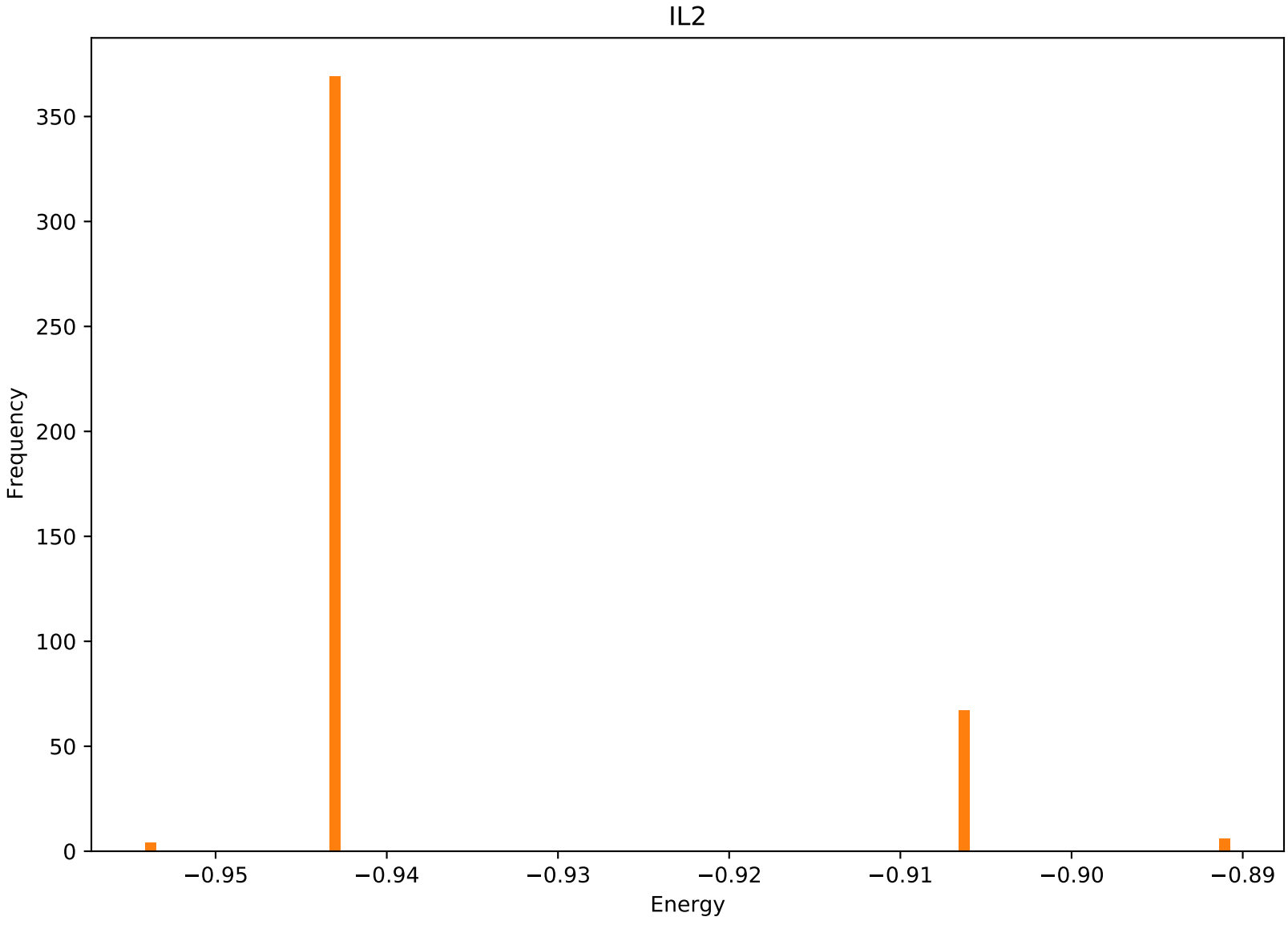

II6
350
300
250
200
150
100
50
0
Frequency
−0.053
−0.052
−0.051
−0.050
−0.049
−0.048
Energy

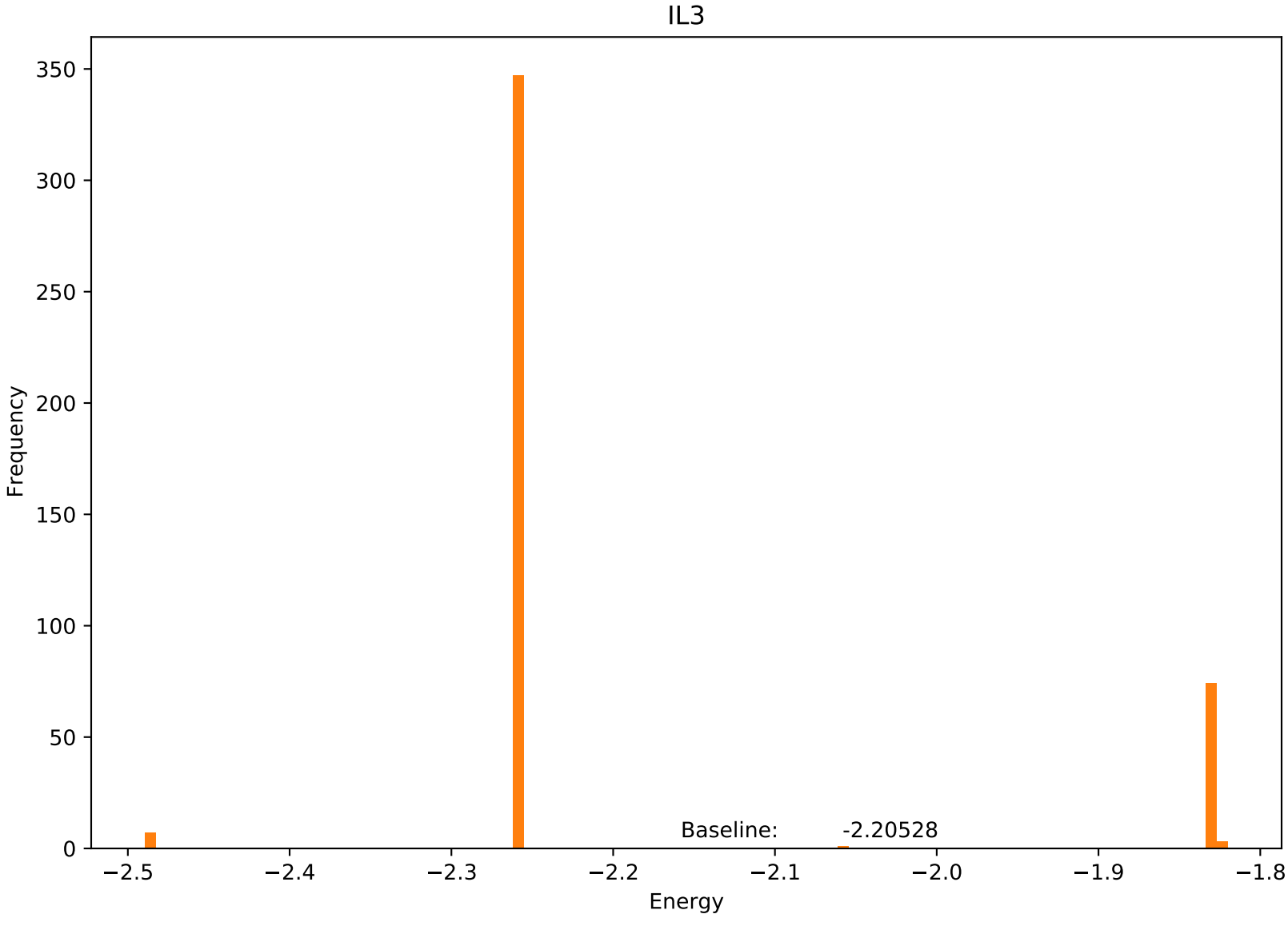

II7
300
250
200
150
100
50
0
Frequency
−0.063
−0.062
−0.061
−0.060
−0.059
Energy

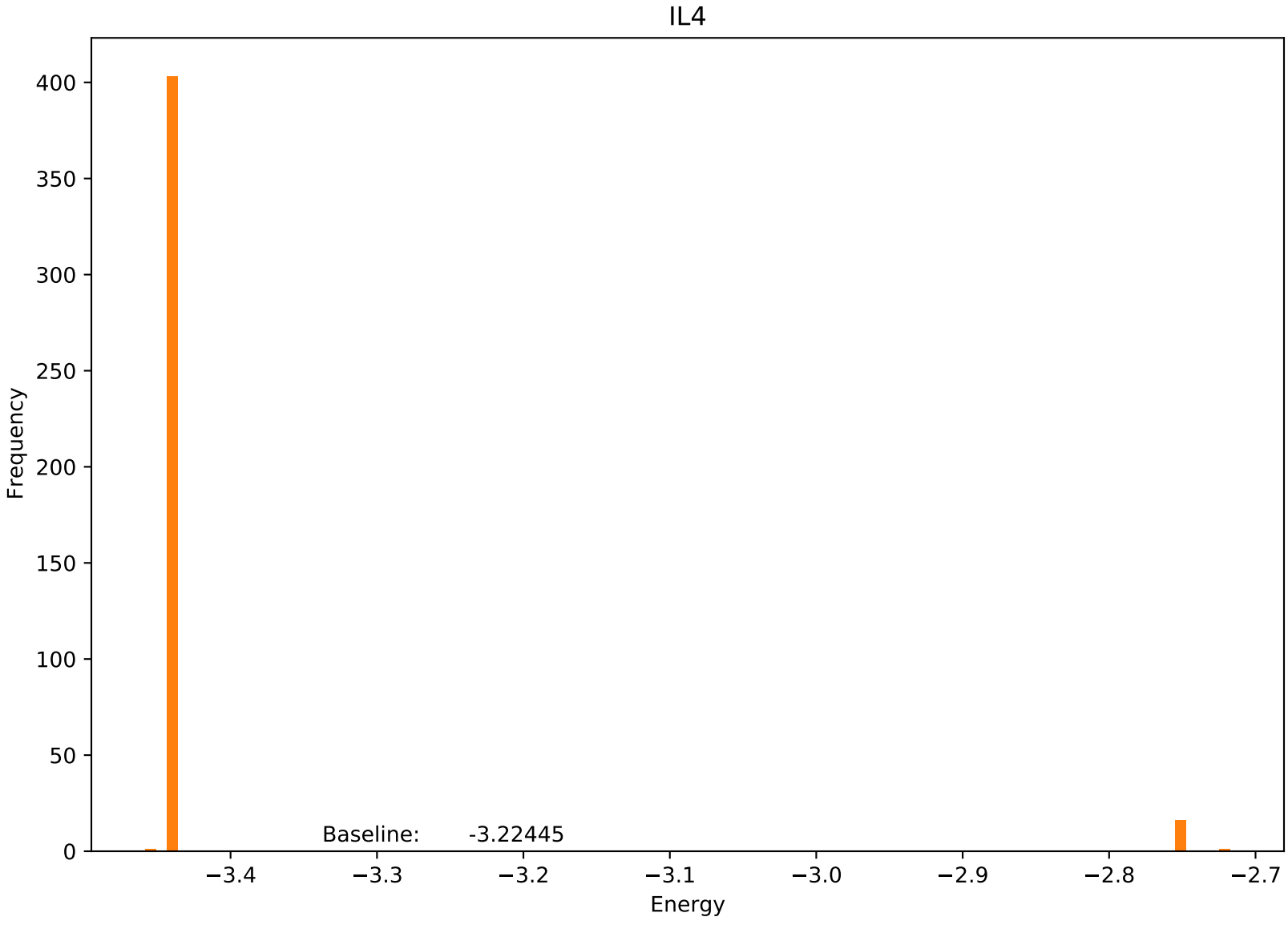

II8
Frequency
Energy
0
50
100
150
200
250
300
350
−0.0110
−0.0105
−0.0100
−0.0095
−0.0090

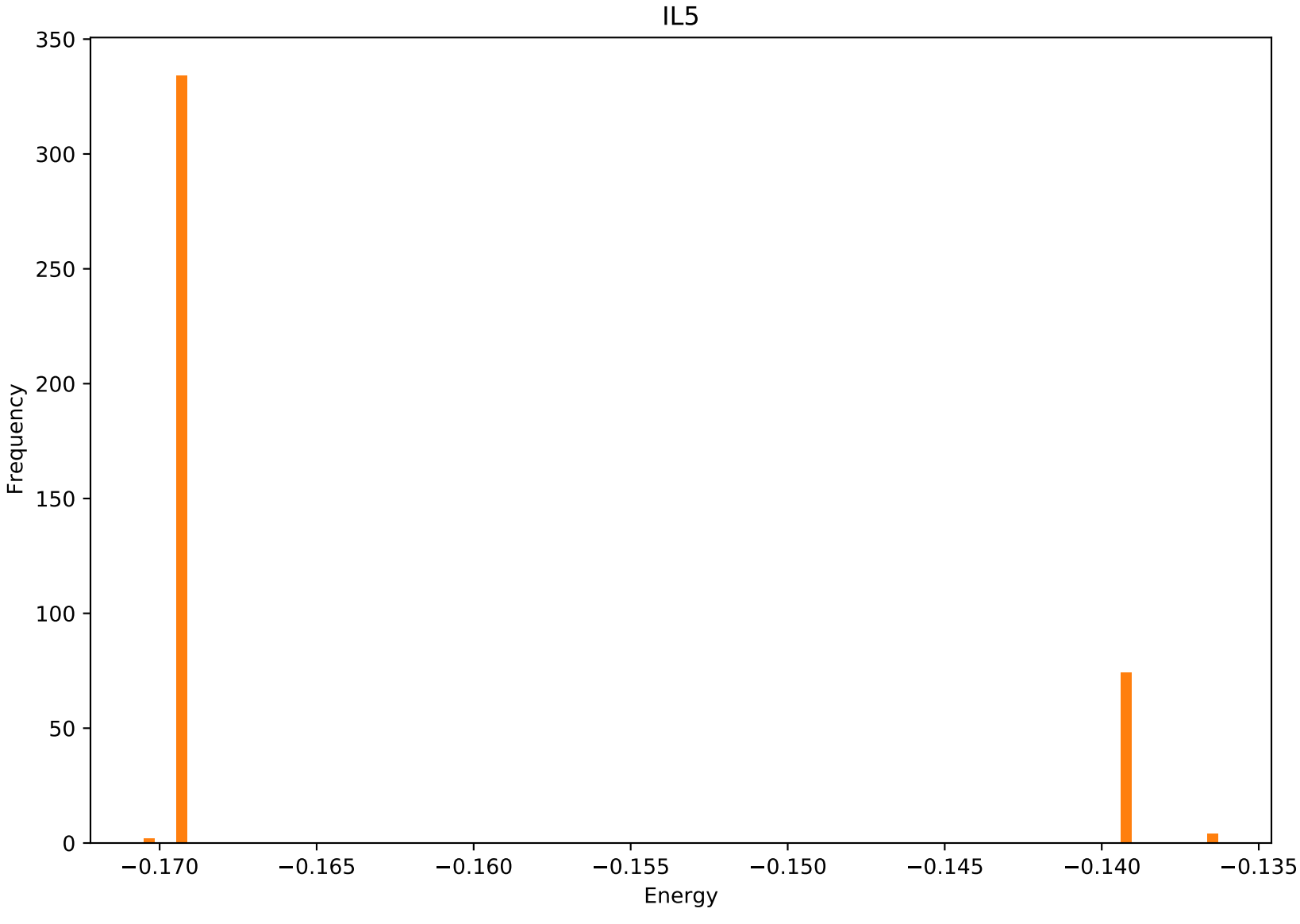

II9
300
250
200
150
100
50
0
Frequency
−8
−6
−4
−2
Energy
1e−5

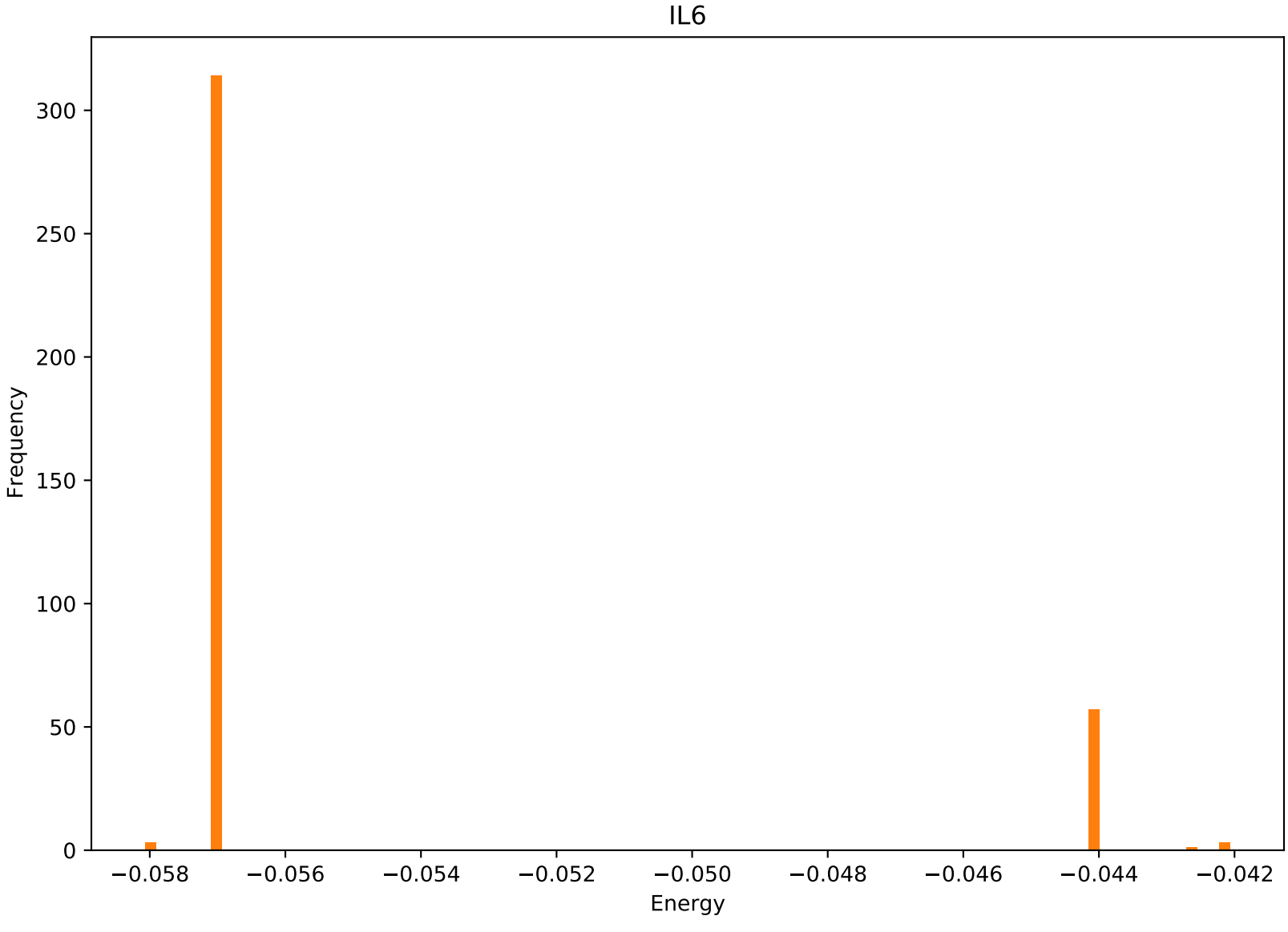

IL1
Frequency
400
350
300
250
200
150
100
50
0
Baseline:
1.46251
1.35
1.40
1.45
1.50
1.55
Energy

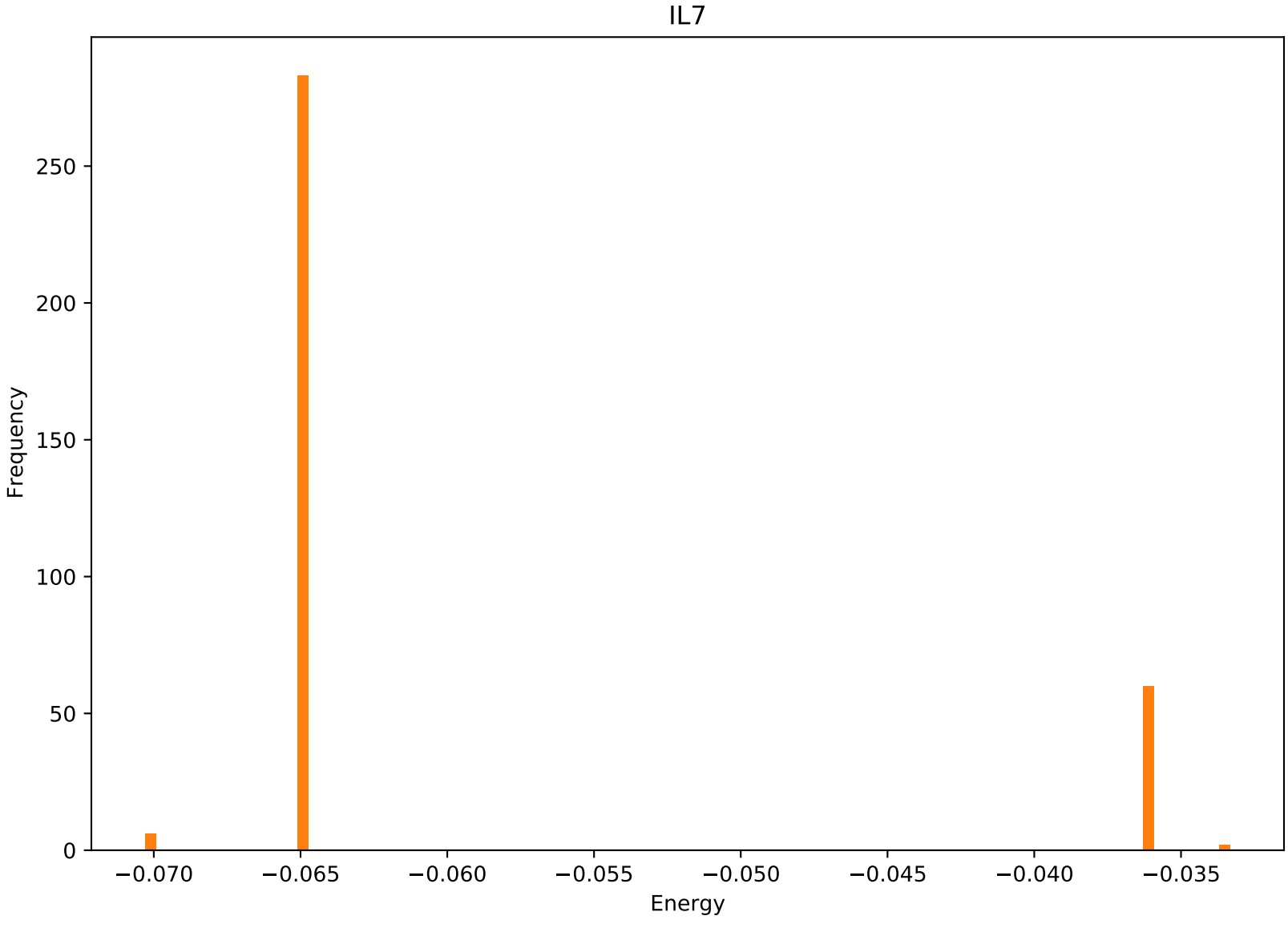

IL2
Frequency
350
300
250
200
150
100
50
0
−0.95
−0.94
−0.93
−0.92
−0.91
−0.90
−0.89
Energy

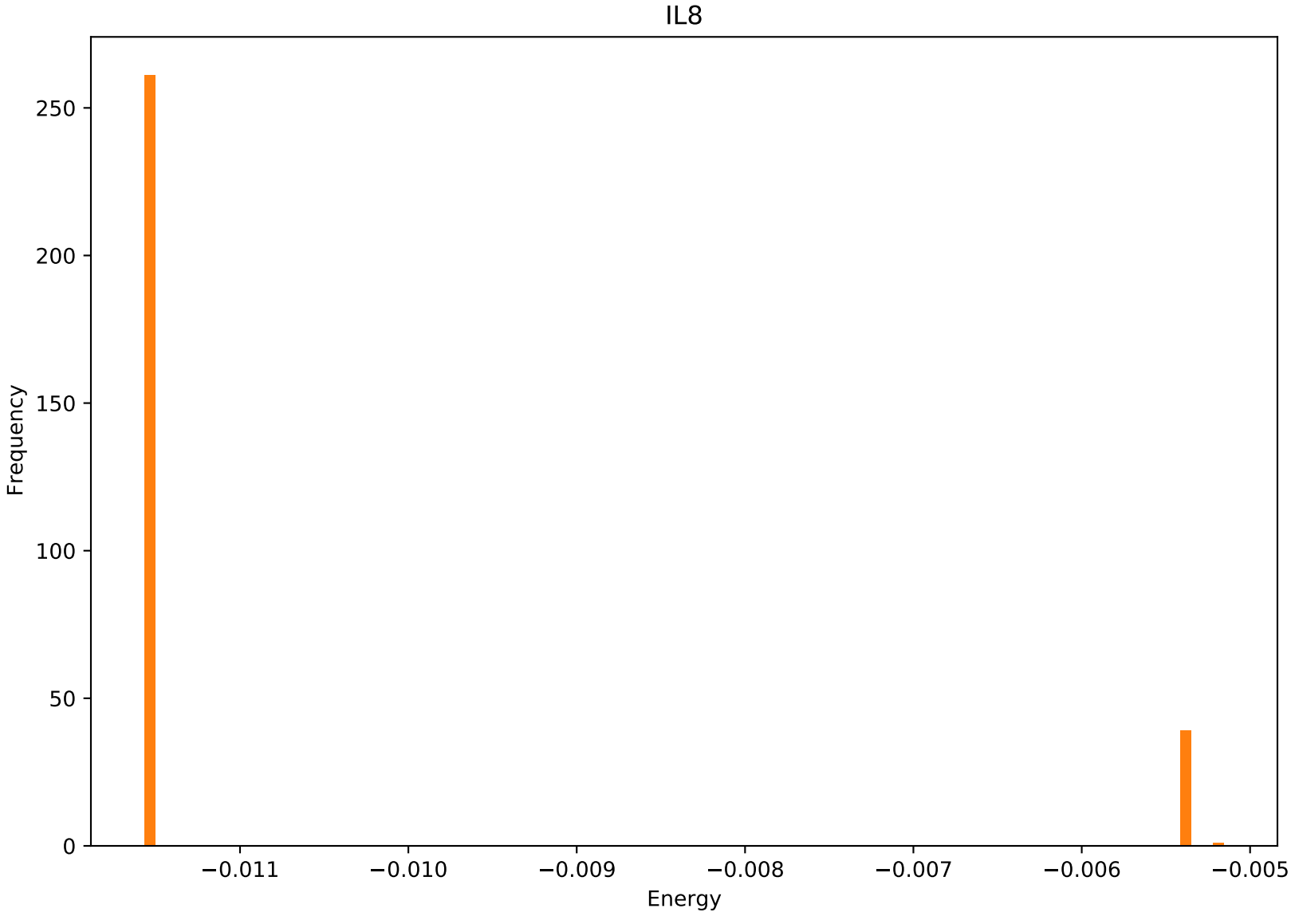

IL3
Frequency
Energy
Baseline: -2.20528
0
50
100
150
200
250
300
350
−2.5
−2.4
−2.3
−2.2
−2.1
−2.0
−1.9
−1.8

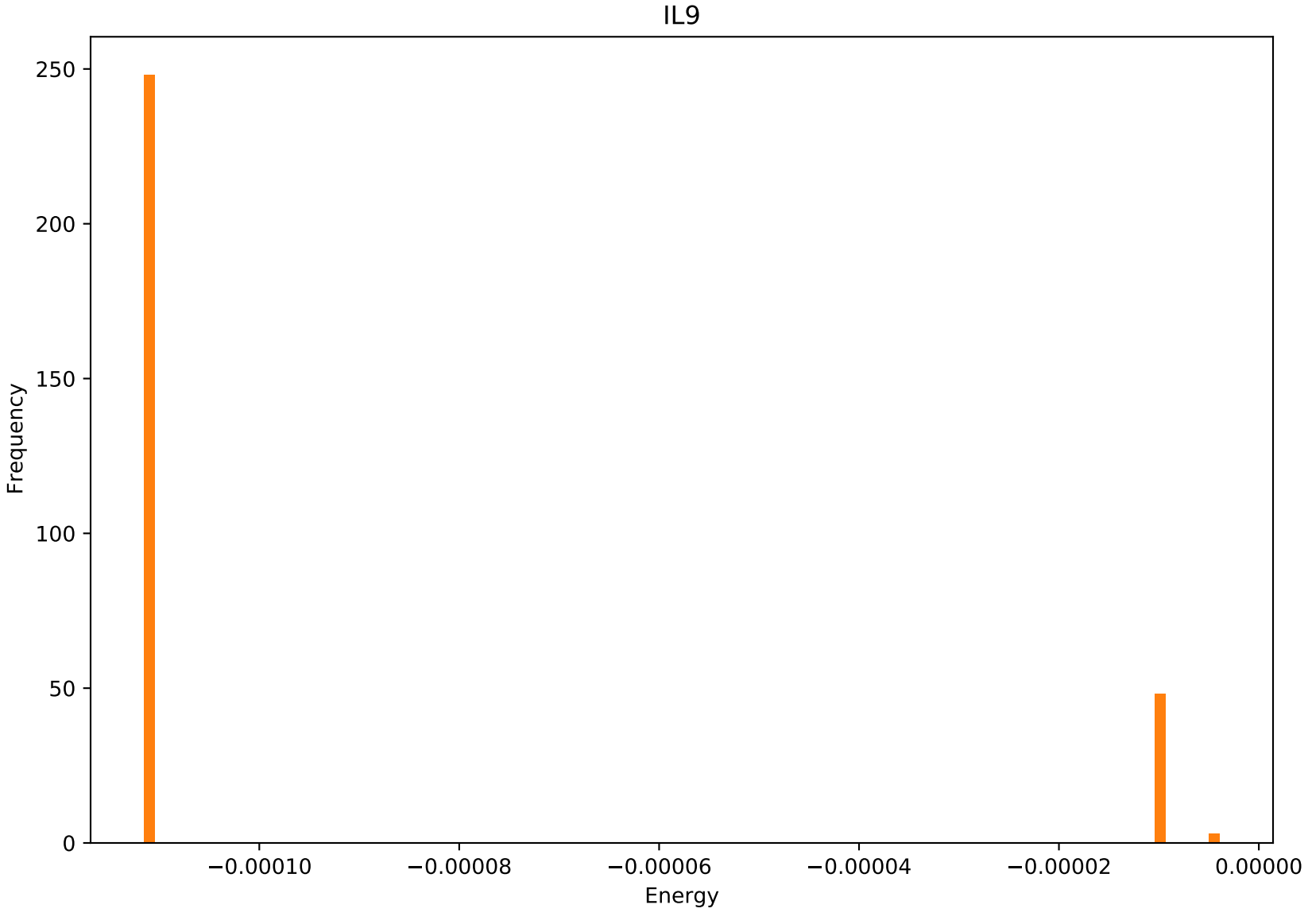

IL4
Frequency
400
350
300
250
200
150
100
50
0
Baseline: -3.22445
−3.4
−3.3
−3.2
−3.1
−3.0
−2.9
−2.8
−2.7
Energy

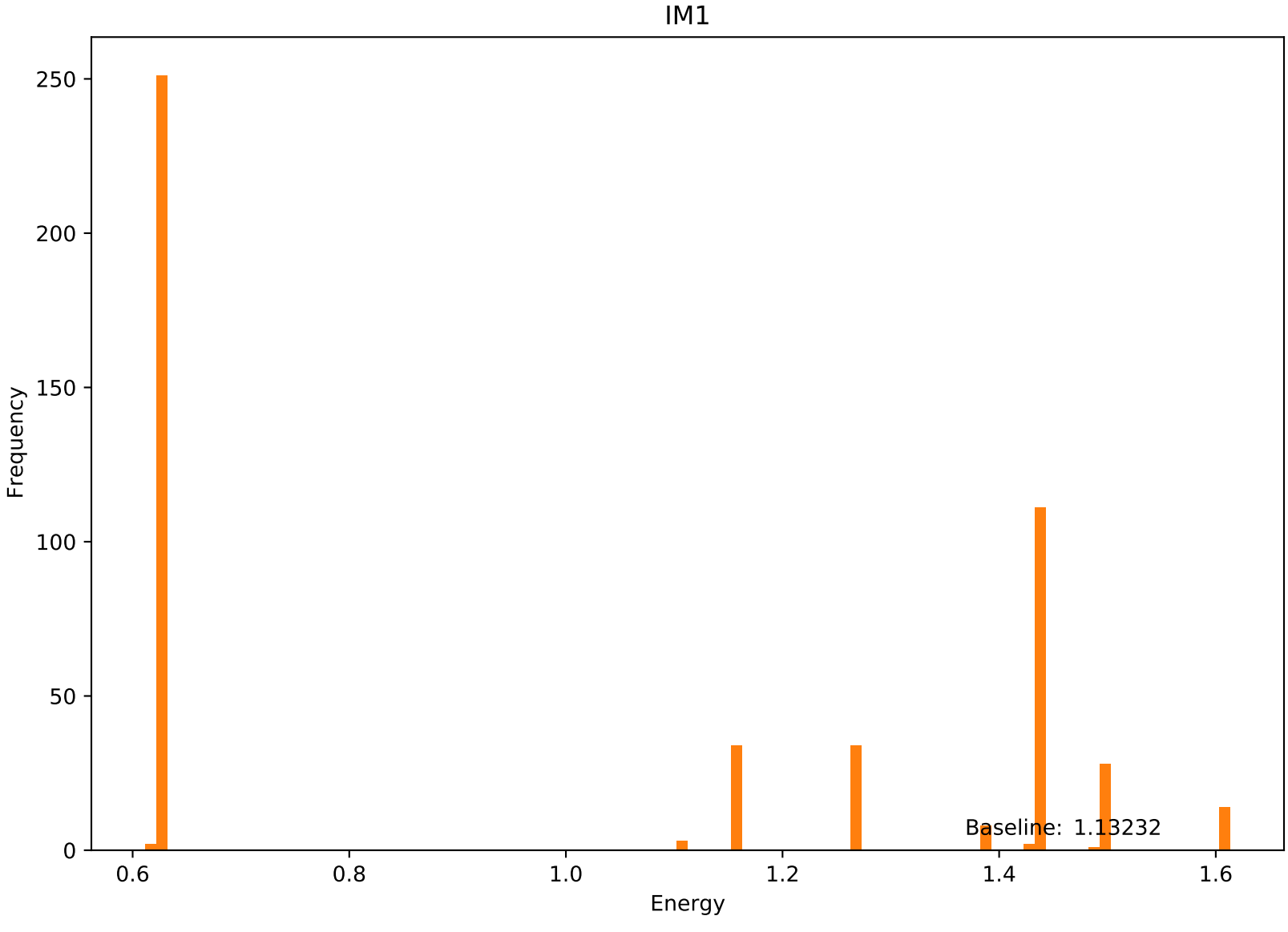

IL5
350
300
250
200
150
100
50
0
Frequency
−0.170
−0.165
−0.160
−0.155
−0.150
−0.145
−0.140
−0.135
Energy

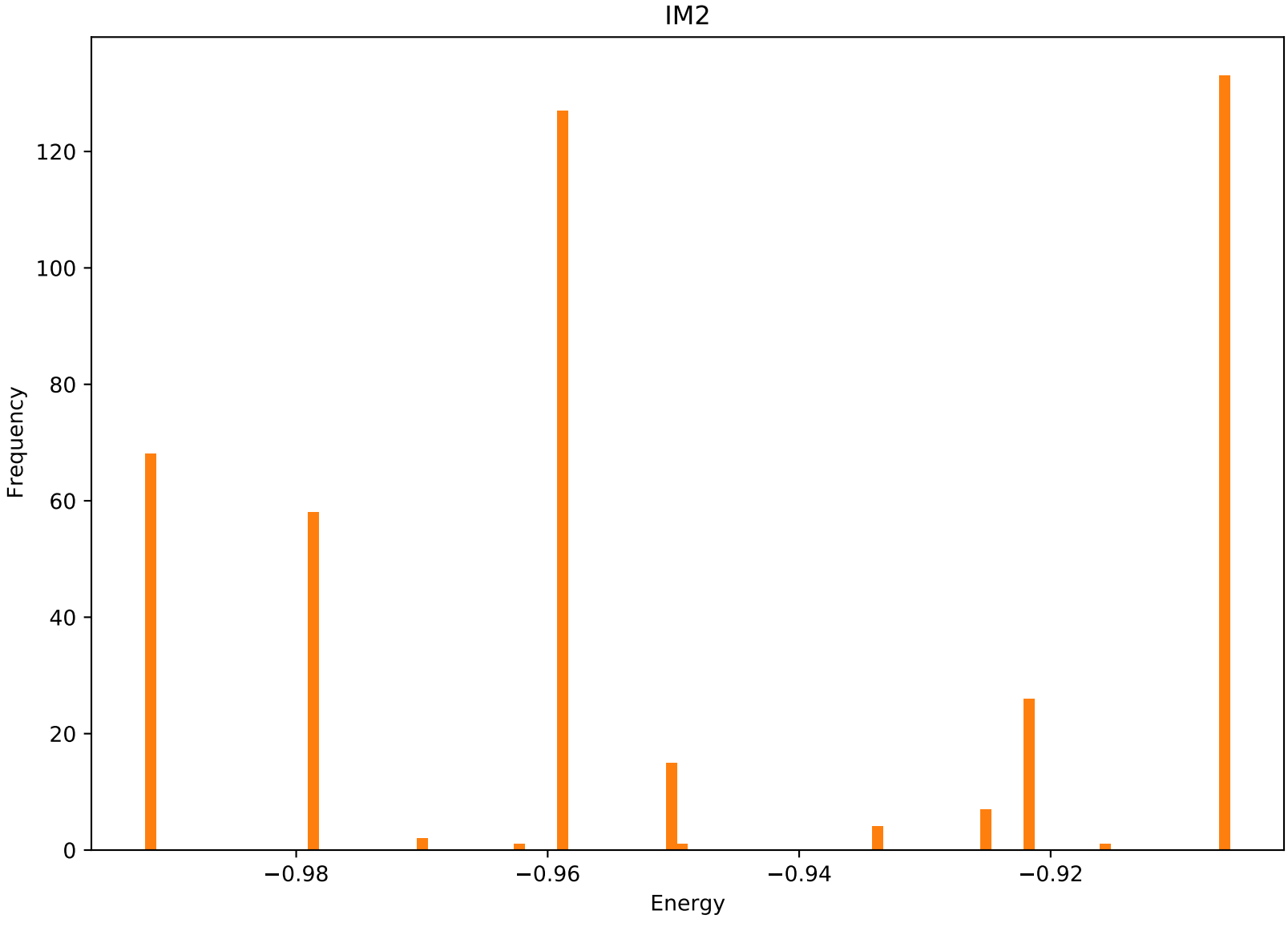

IL6
Frequency
300
250
200
150
100
50
0
−0.058
−0.056
−0.054
−0.052
−0.050
−0.048
−0.046
−0.044
−0.042
Energy

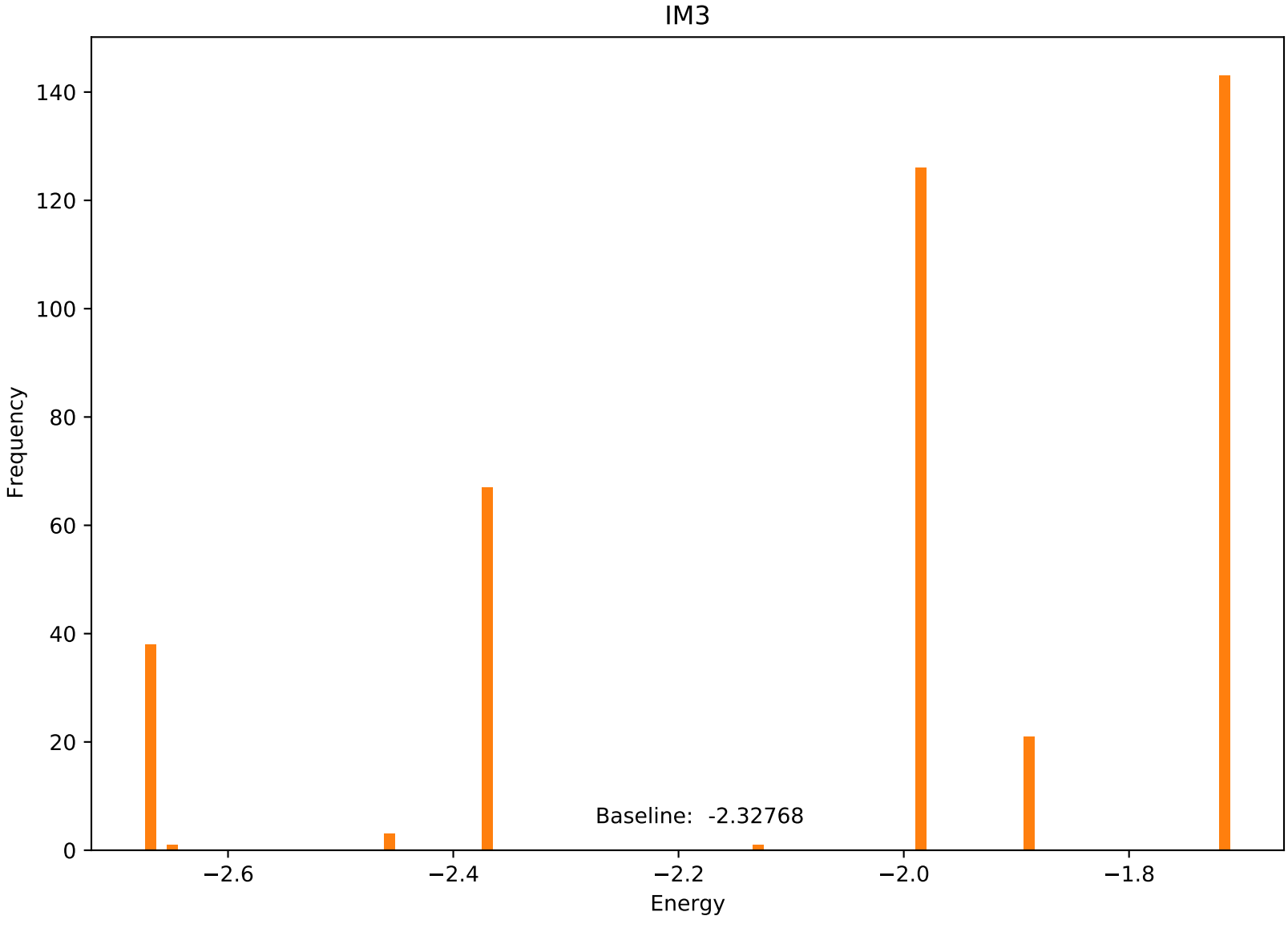

IL7
Frequency
250
200
150
100
50
0
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
−0.035
Energy

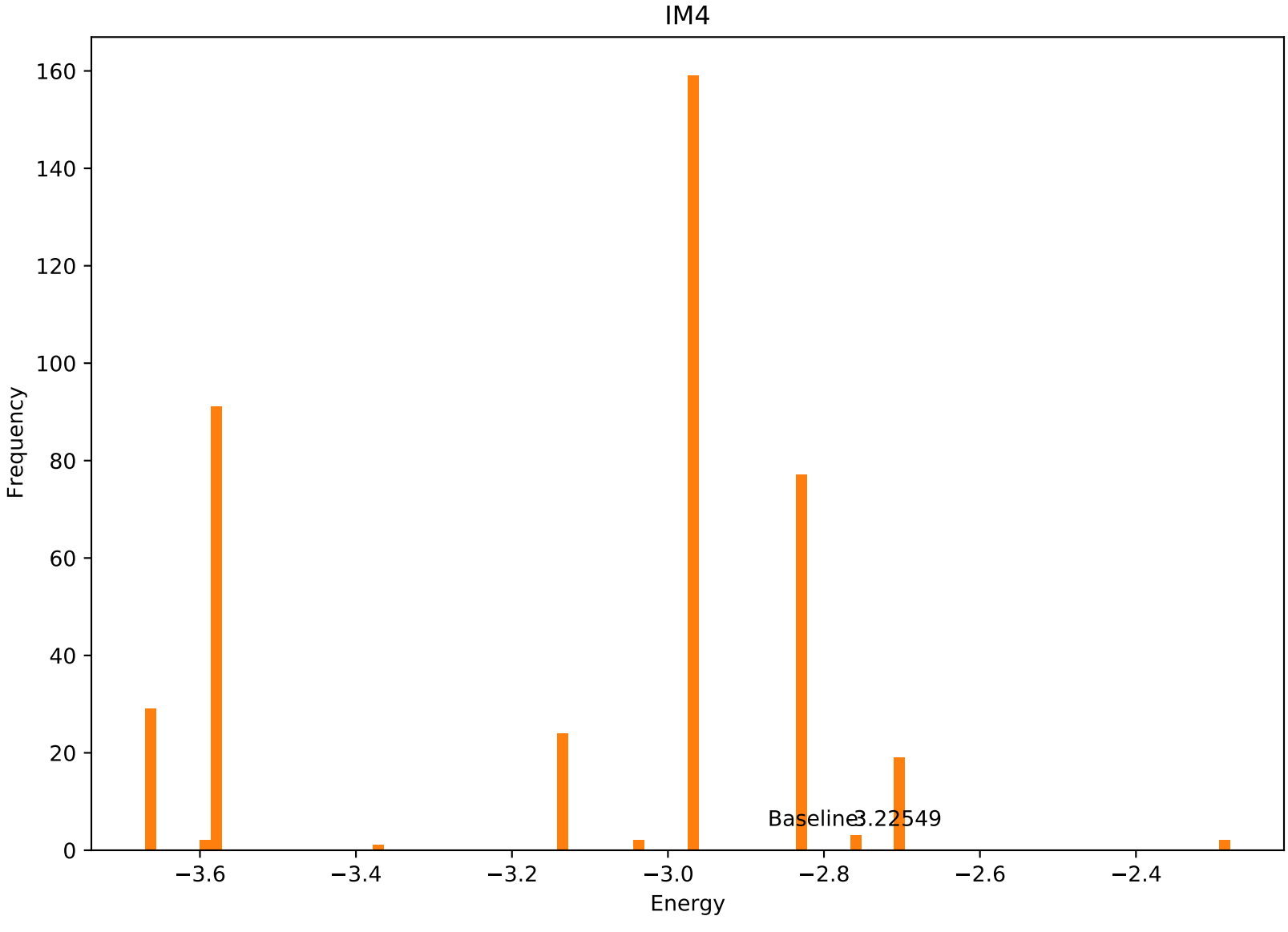

IL8
Frequency
250
200
150
100
50
0
−0.011
−0.010
−0.009
−0.008
−0.007
−0.006
−0.005
Energy

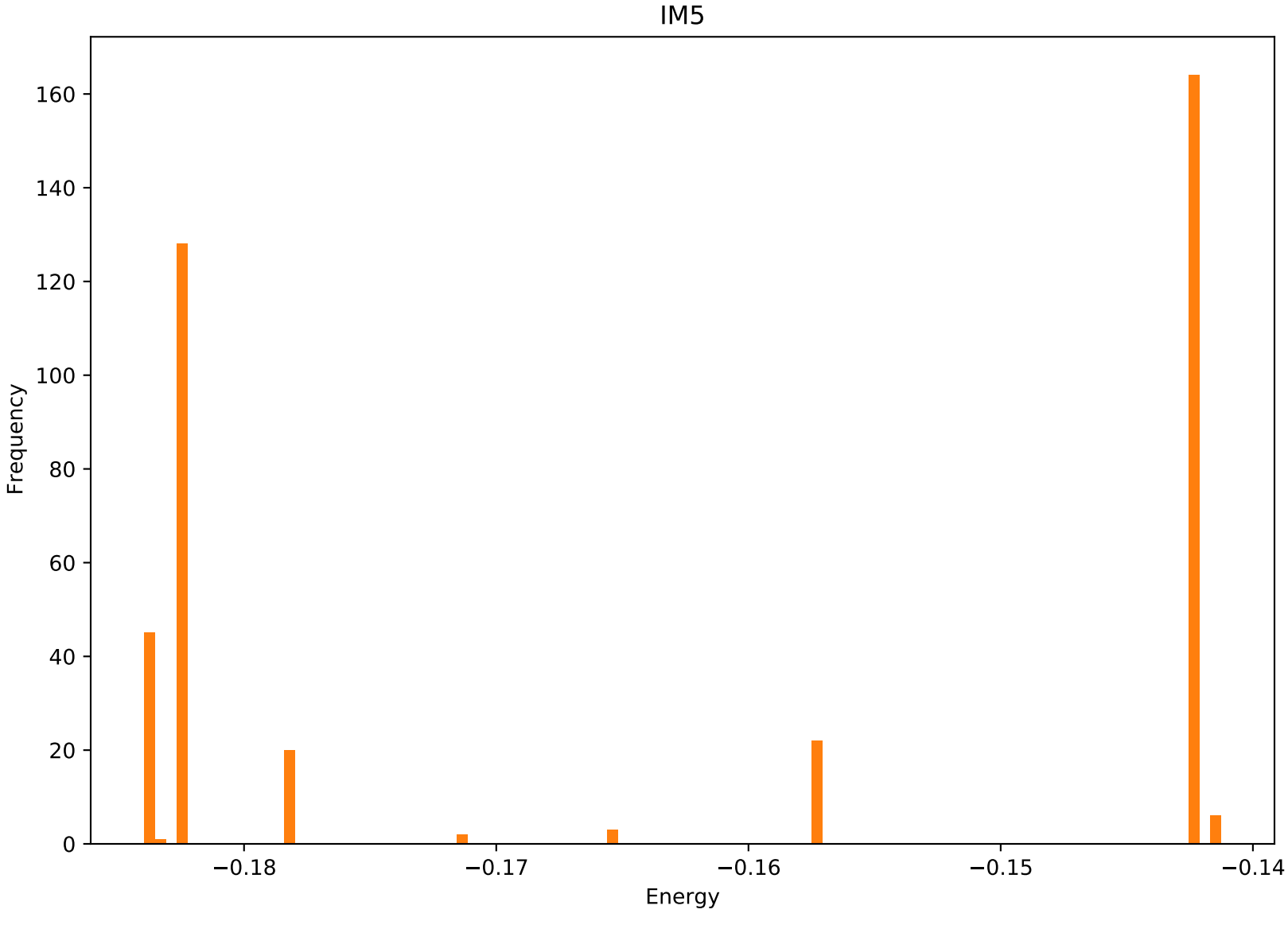

IL9
250
200
150
100
50
0
Frequency
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

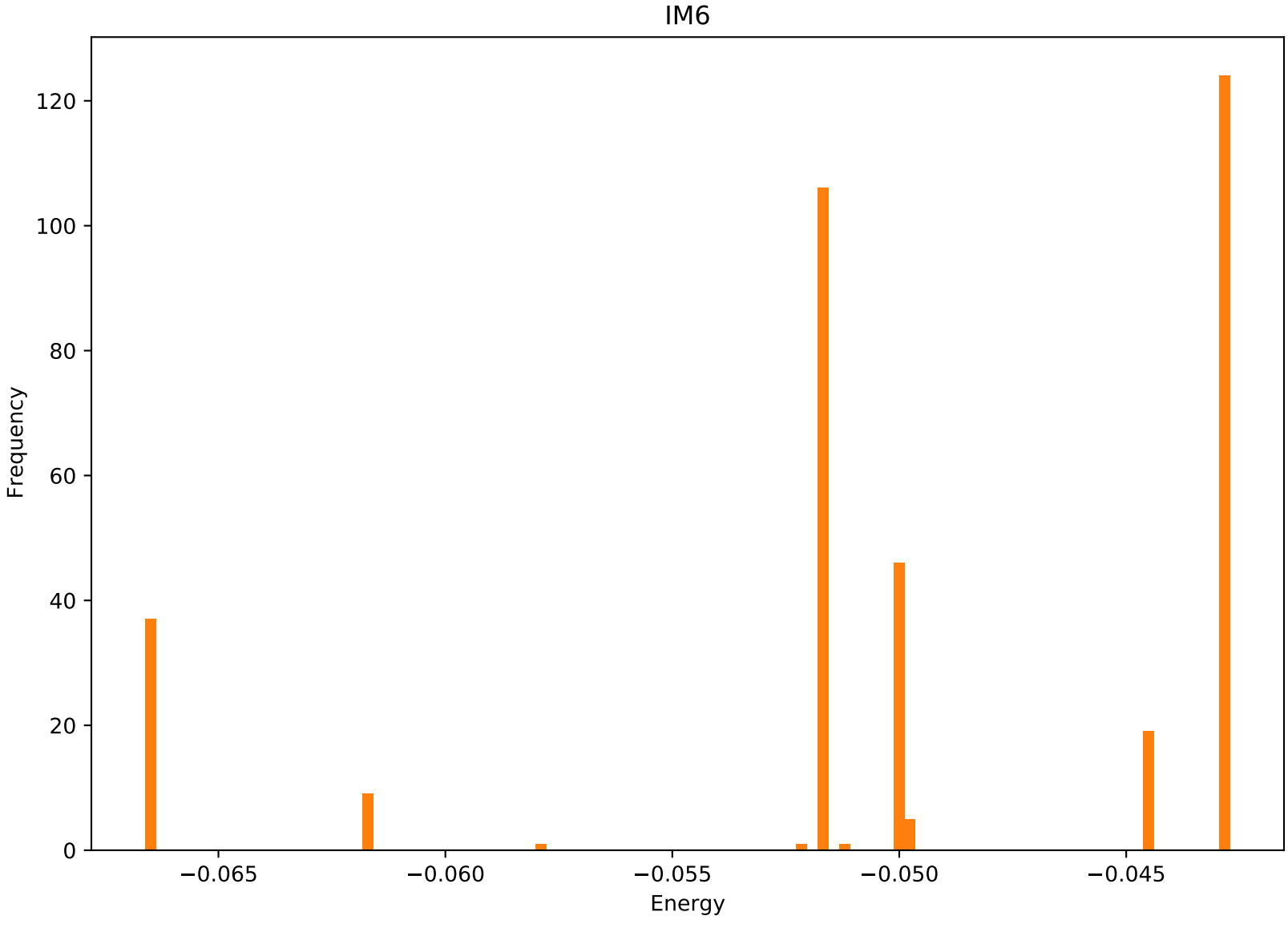

IM1
Frequency
Energy
Baseline: 1.13232
0
50
100
150
200
250
0.6
0.8
1.0
1.2
1.4
1.6

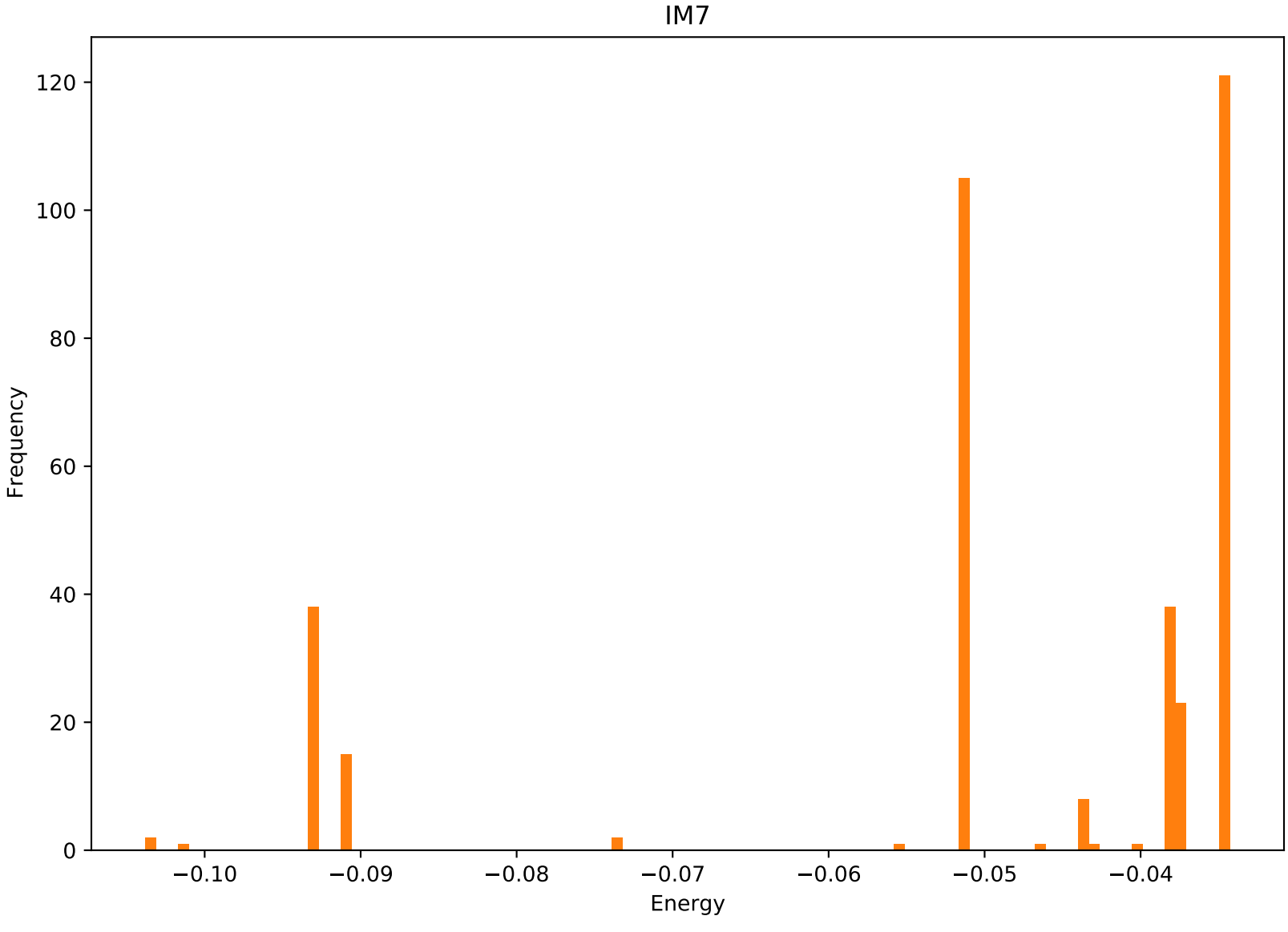

IM2
Frequency
120
100
80
60
40
20
0
−0.98
−0.96
−0.94
−0.92
Energy

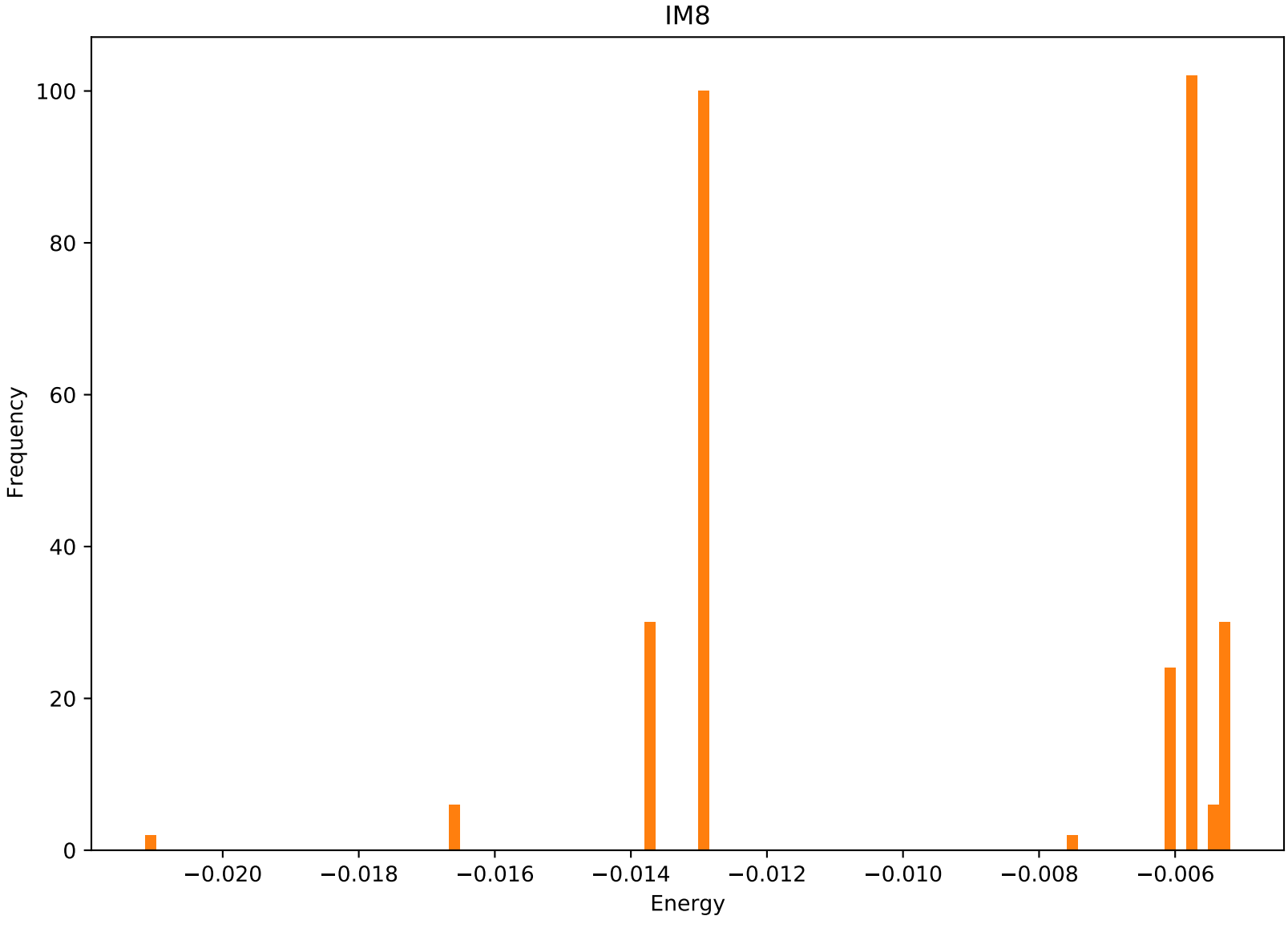

IM3
Frequency
Energy
Baseline: -2.32768
0
20
40
60
80
100
120
140
−2.6
−2.4
−2.2
−2.0
−1.8

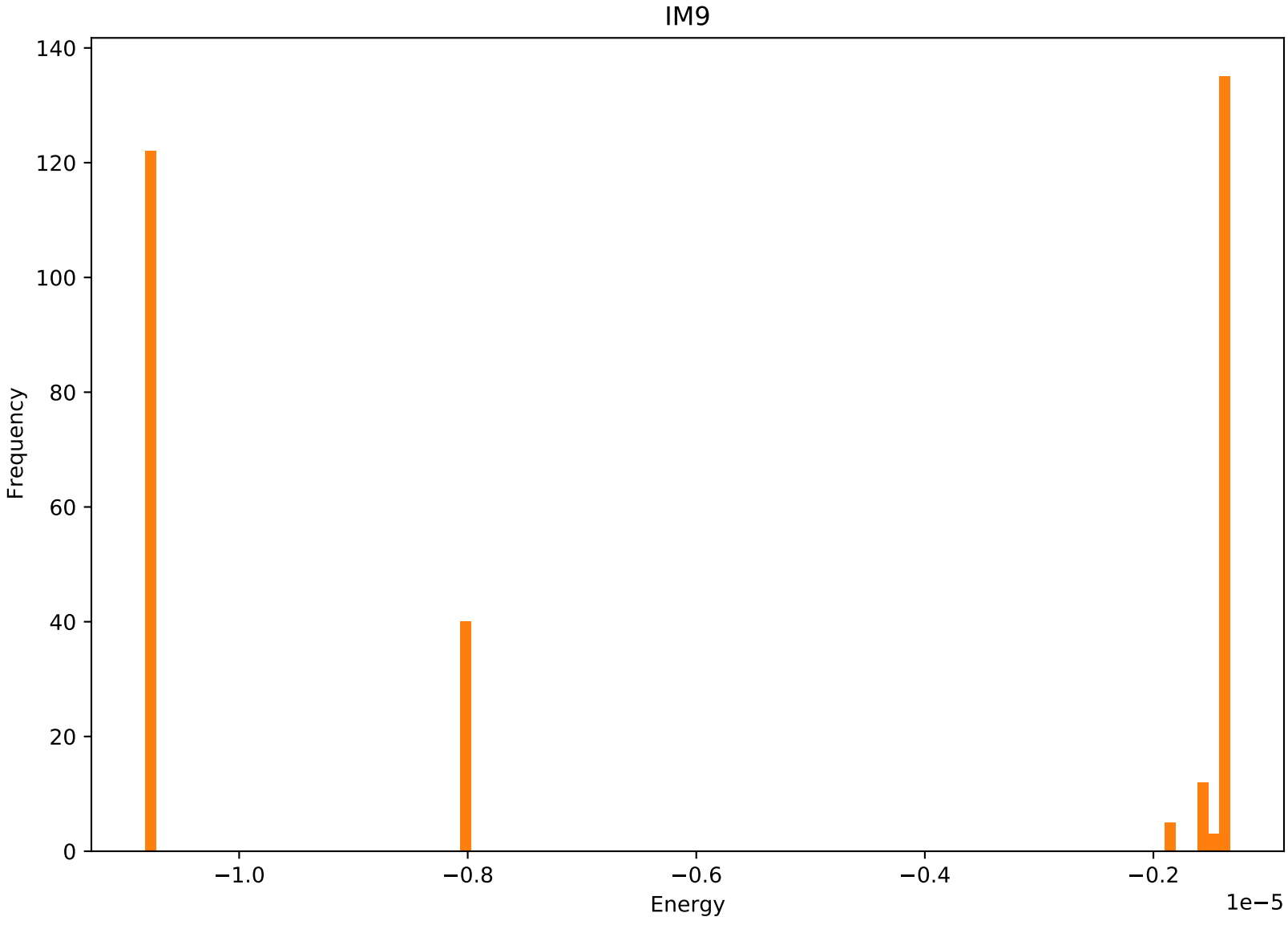

IM4
Frequency
Energy
Baseline: -3.22549
160
140
120
100
80
60
40
20
0
−3.6
−3.4
−3.2
−3.0
−2.8
−2.6
−2.4

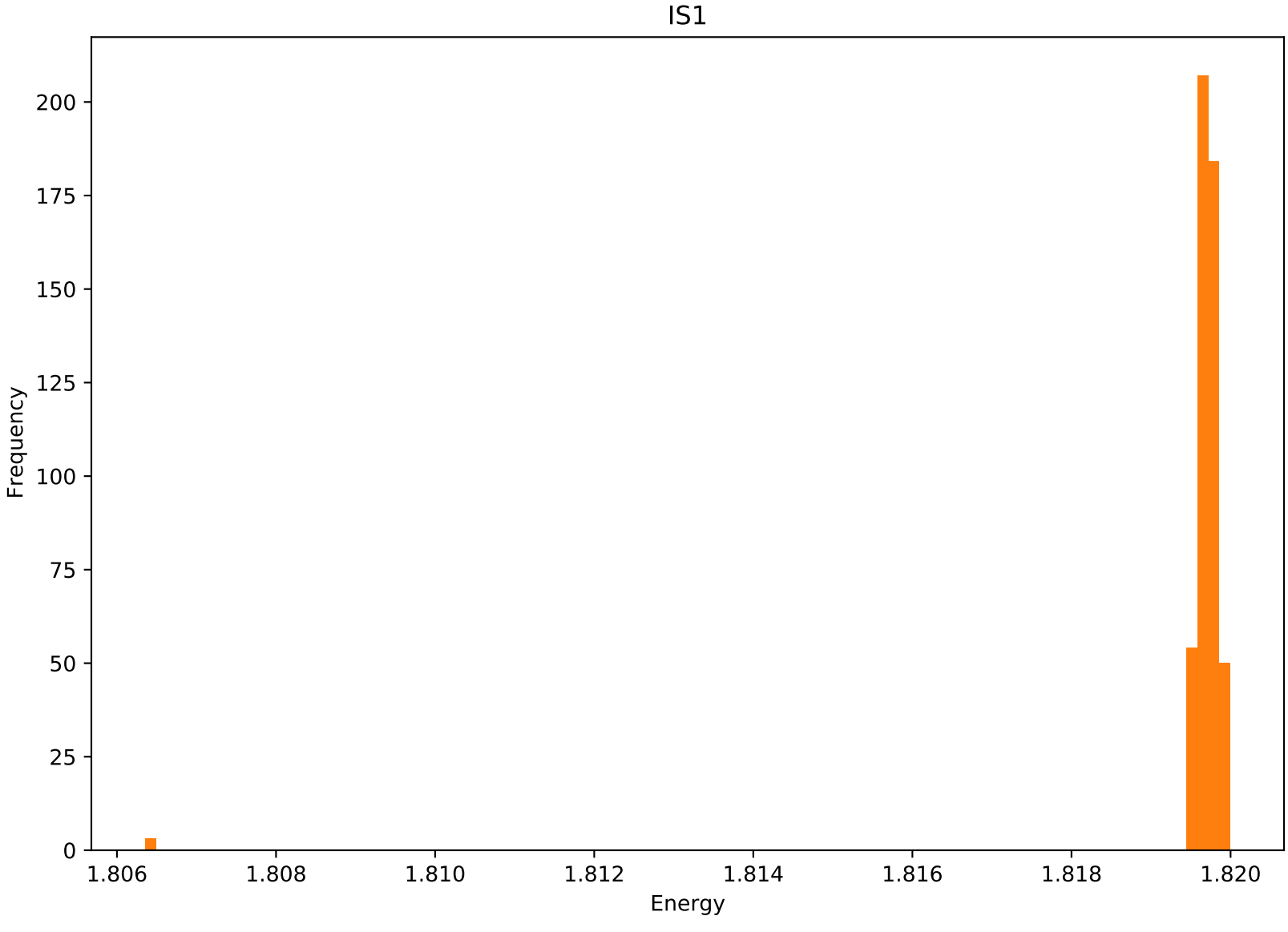

IM5
Frequency
160
140
120
100
80
60
40
20
0
−0.18
−0.17
−0.16
−0.15
−0.14
Energy

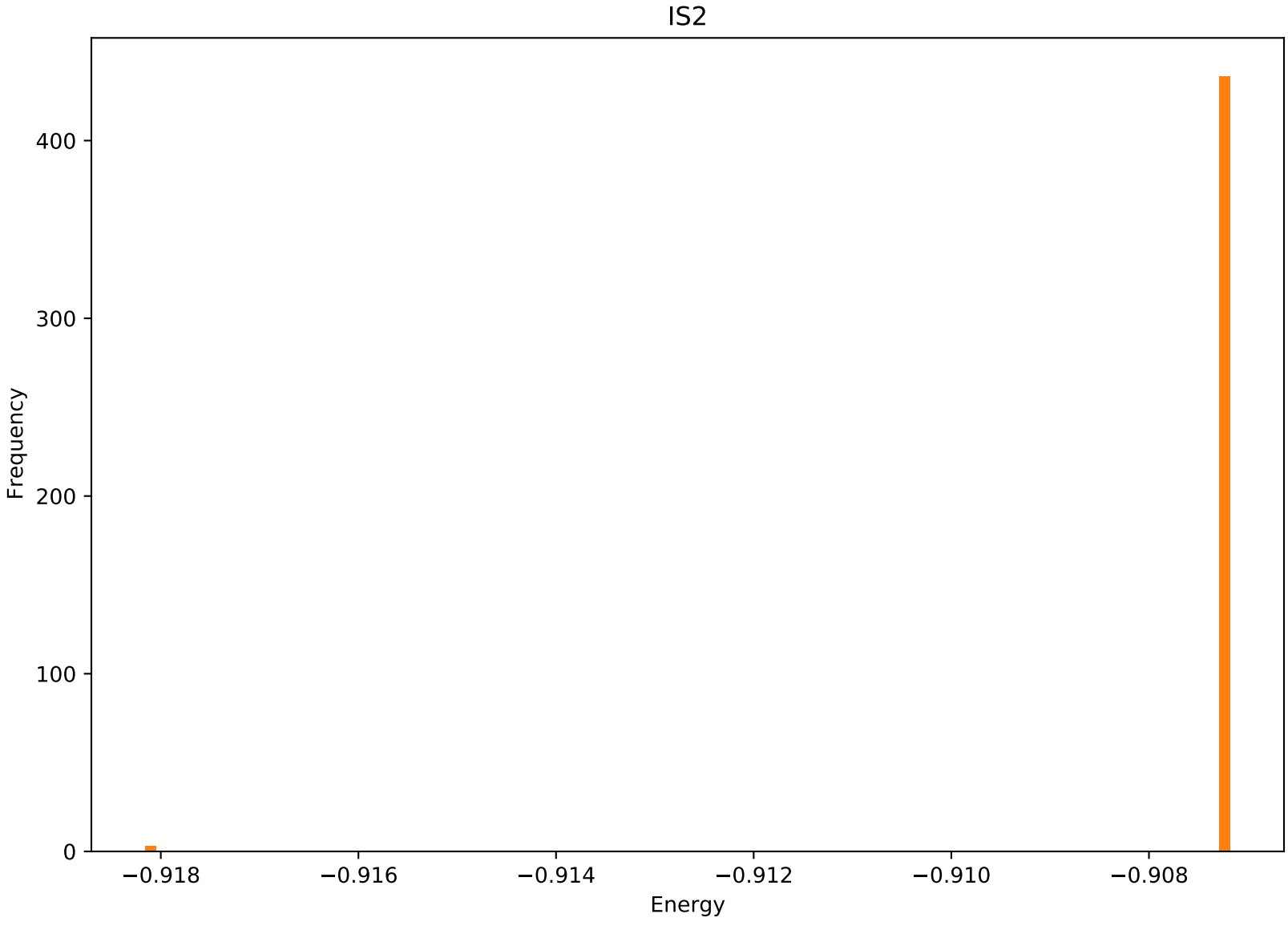

IM6
Frequency
120
100
80
60
40
20
0
−0.065
−0.060
−0.055
−0.050
−0.045
Energy

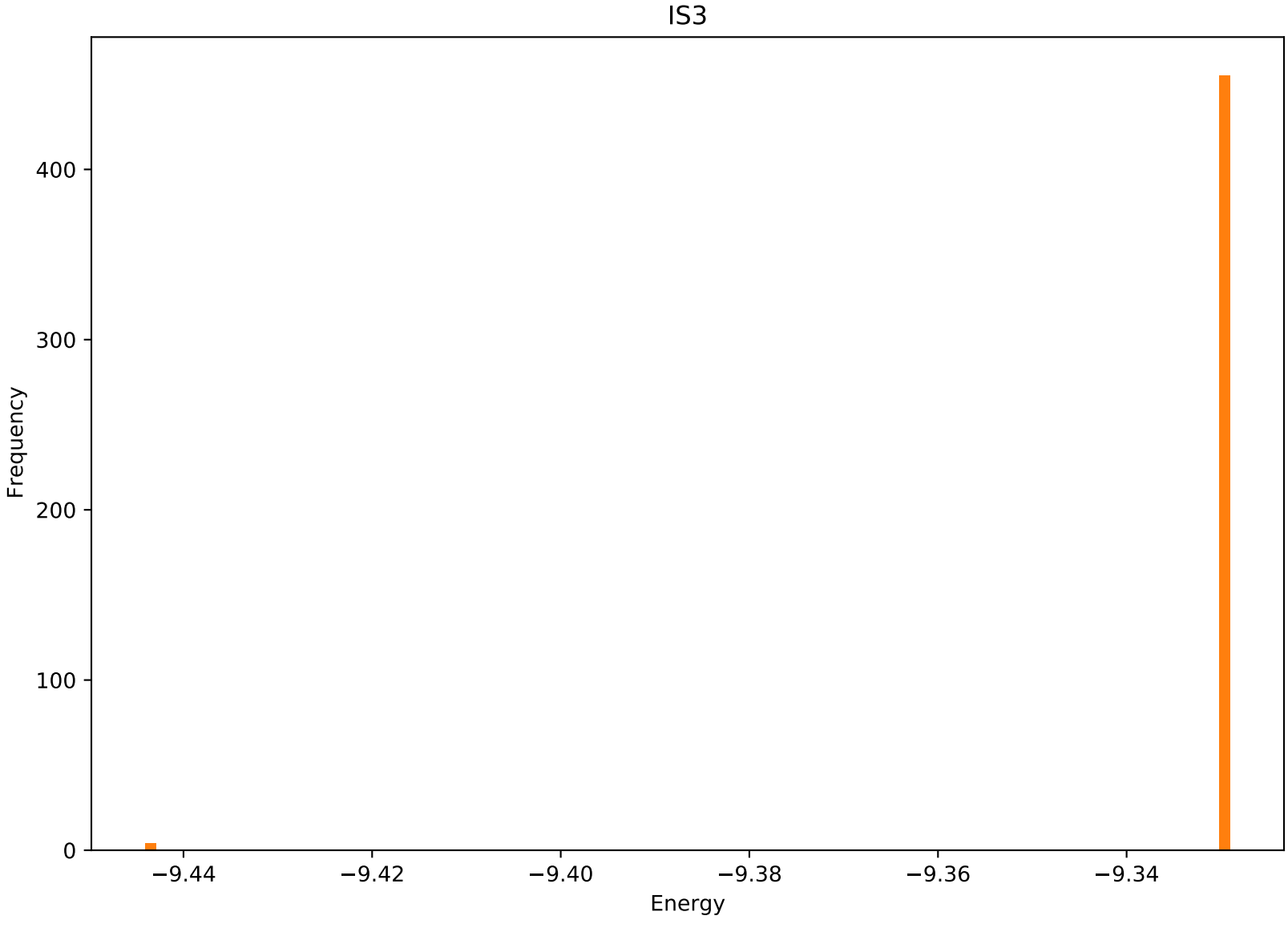

IM7
Frequency
Energy
0
20
40
60
80
100
120
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

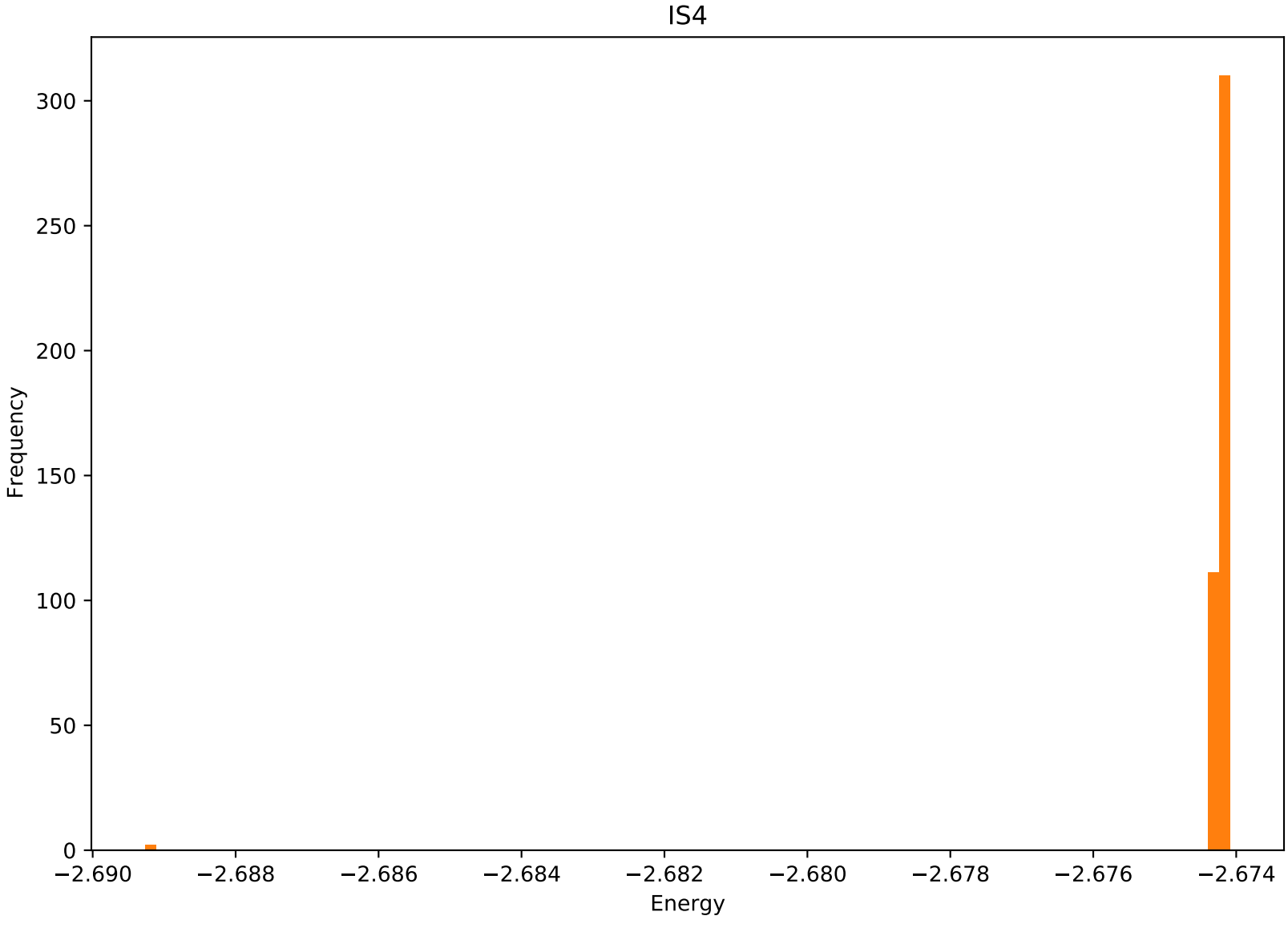

IM8
Frequency
Energy
0
20
40
60
80
100
−0.020
−0.018
−0.016
−0.014
−0.012
−0.010
−0.008
−0.006

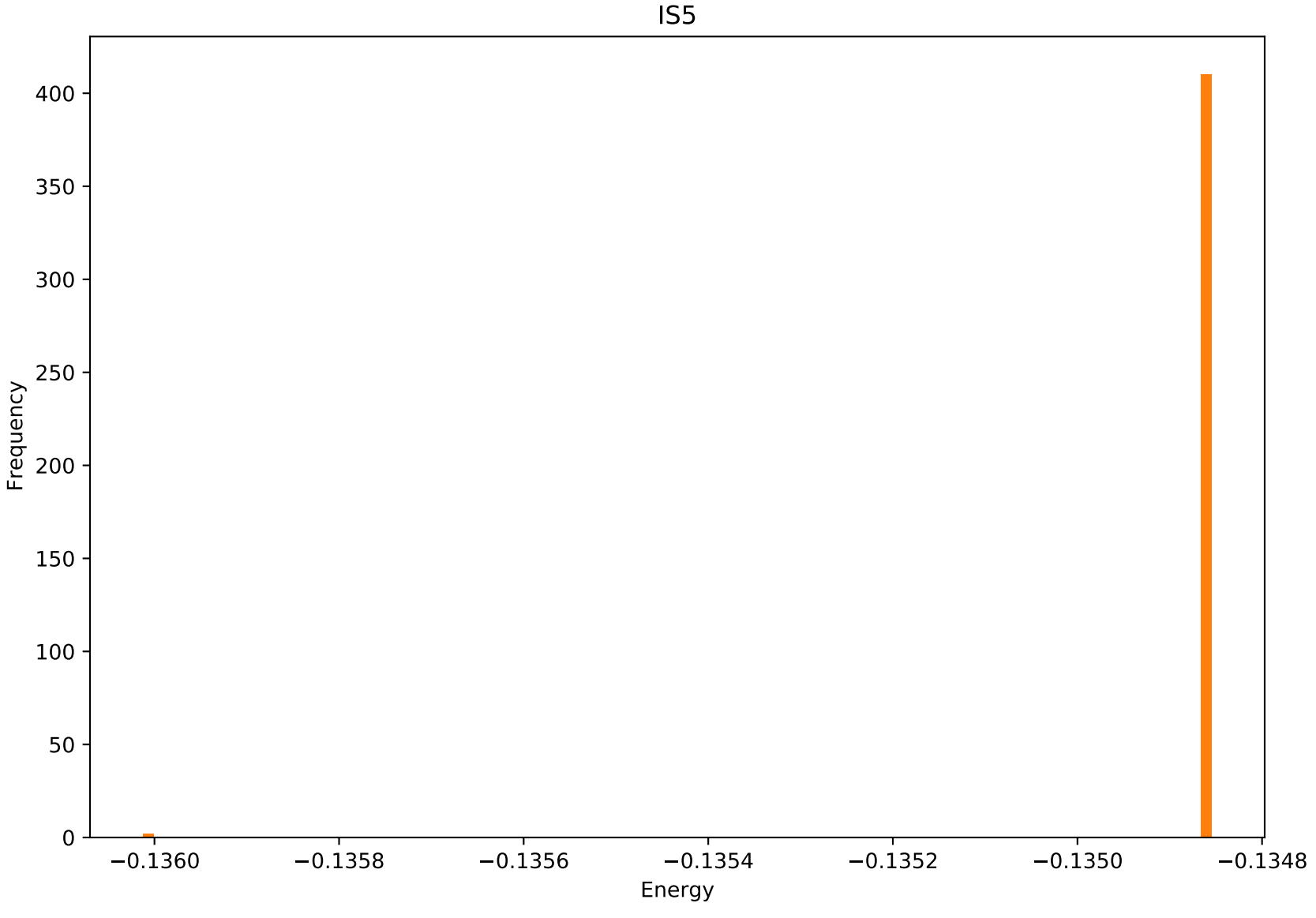

IM9
140
120
100
80
60
40
20
0
Frequency
−1.0
−0.8
−0.6
−0.4
−0.2
Energy
1e−5

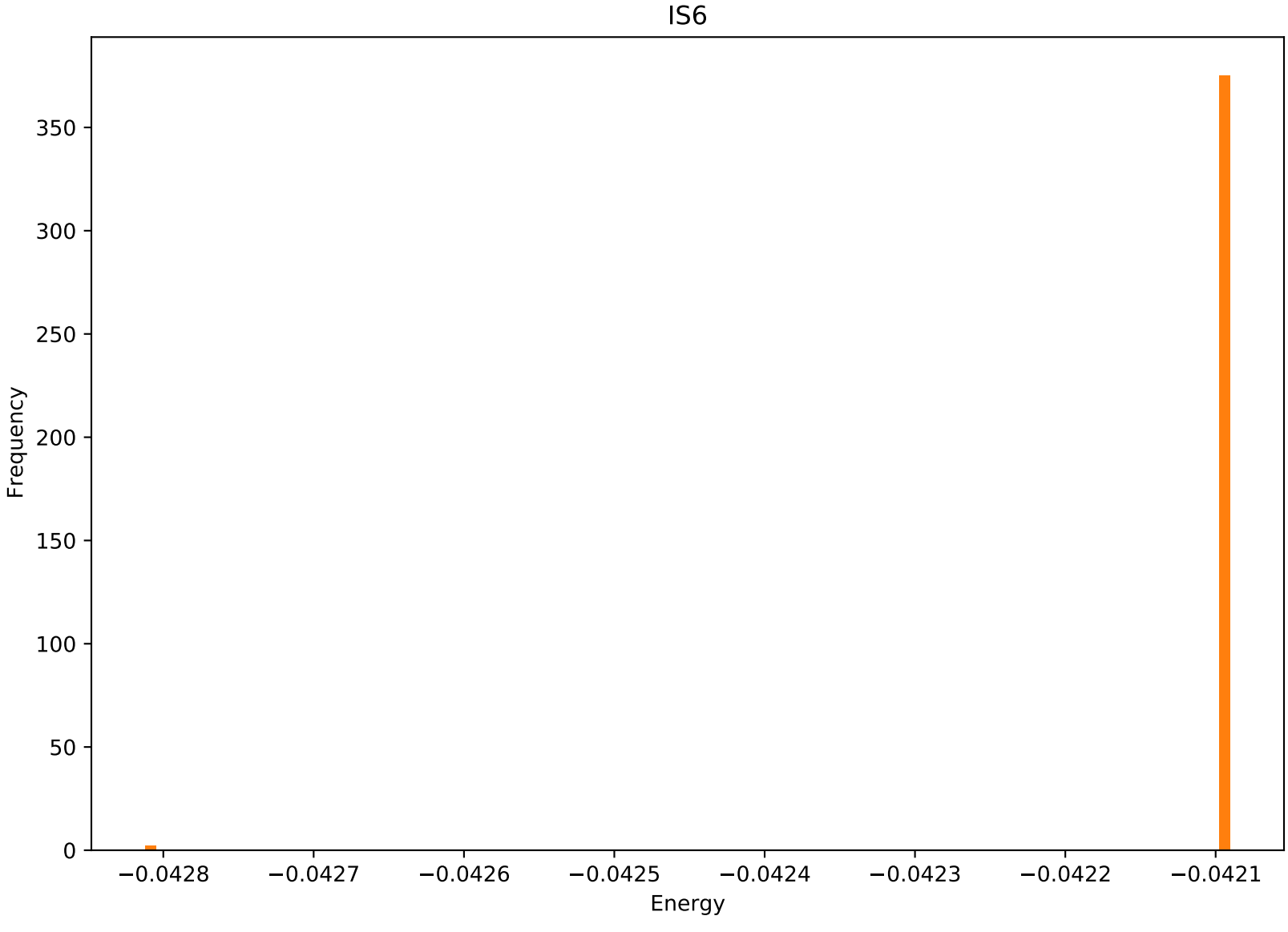

IS1
Frequency
200
175
150
125
100
75
50
25
0
1.806
1.808
1.810
1.812
1.814
1.816
1.818
1.820
Energy

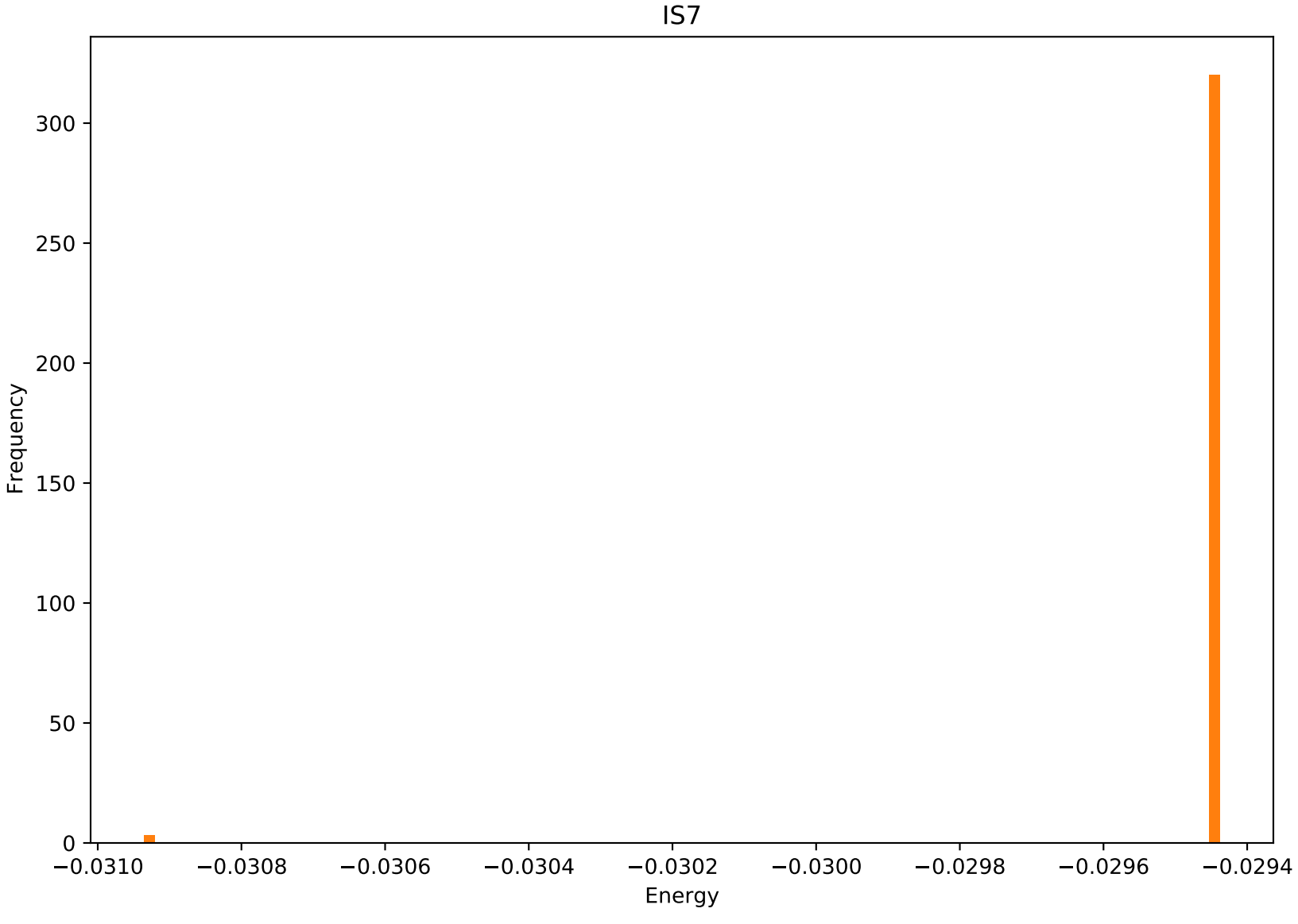

IS2
Frequency
0
100
200
300
400
−0.918
−0.916
−0.914
−0.912
−0.910
−0.908
Energy

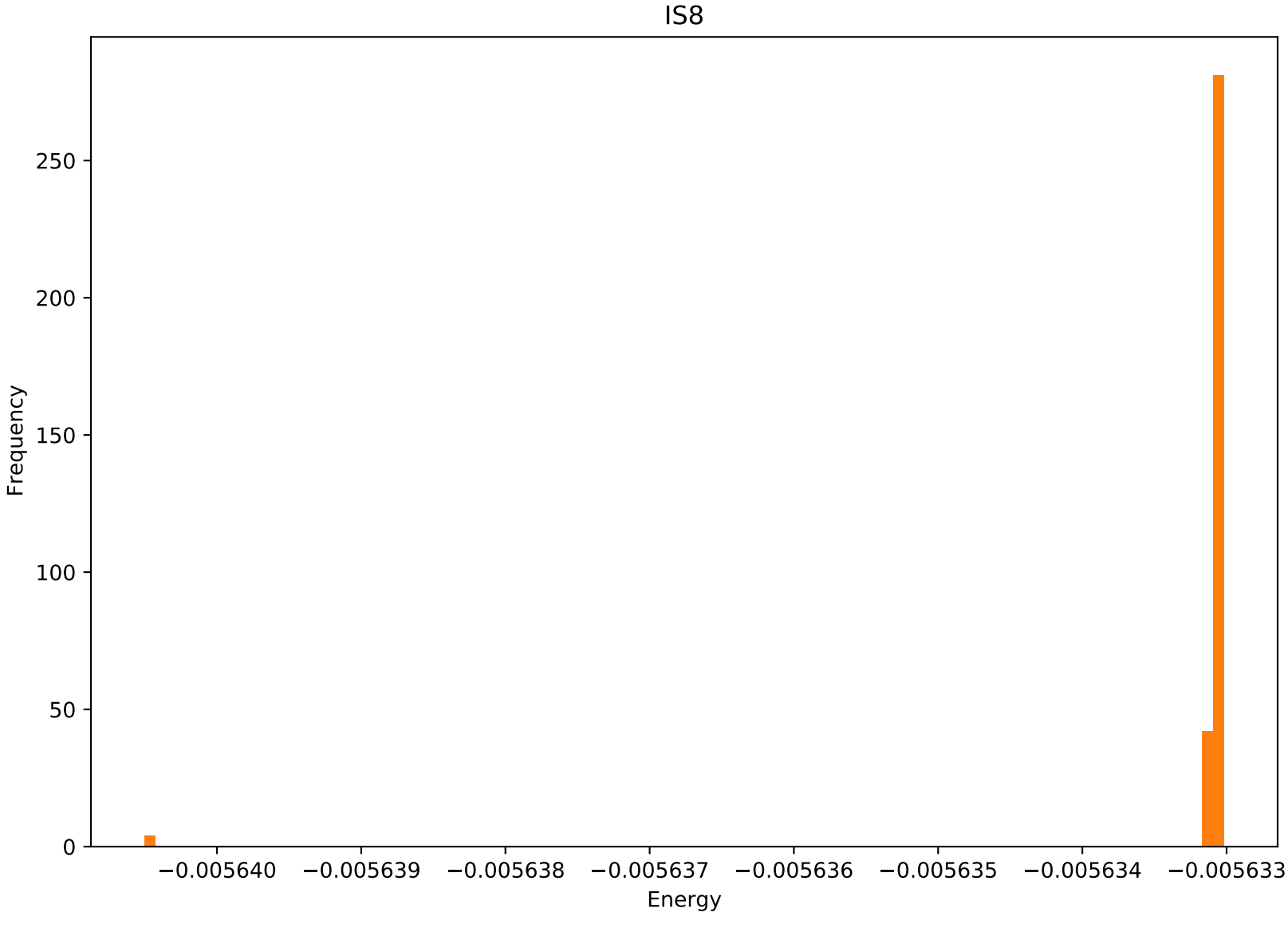

IS3
Frequency
0
100
200
300
400
−9.44
−9.42
−9.40
−9.38
−9.36
−9.34
Energy

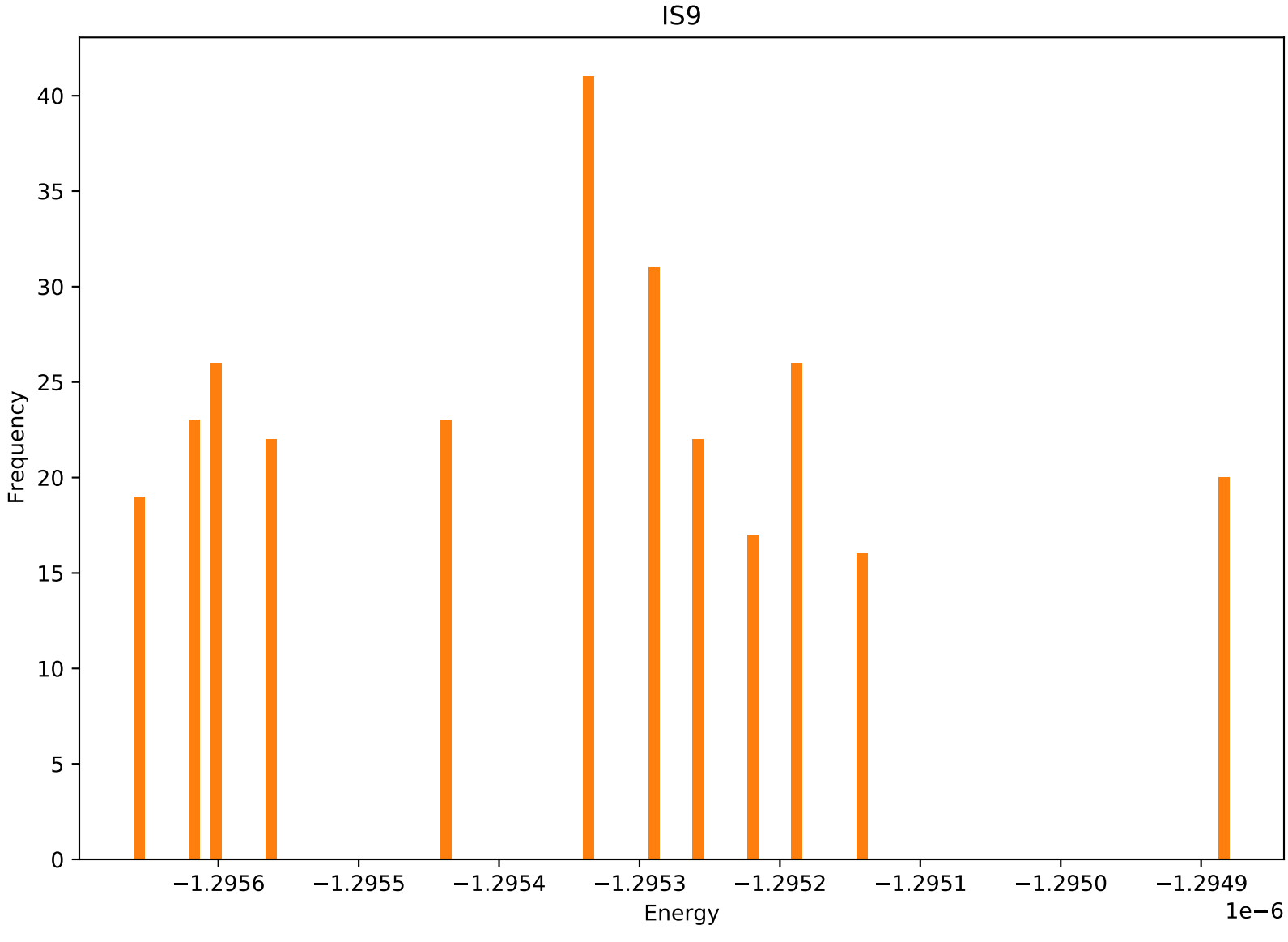

IS4
Frequency
300
250
200
150
100
50
0
−2.690
−2.688
−2.686
−2.684
−2.682
−2.680
−2.678
−2.676
−2.674
Energy

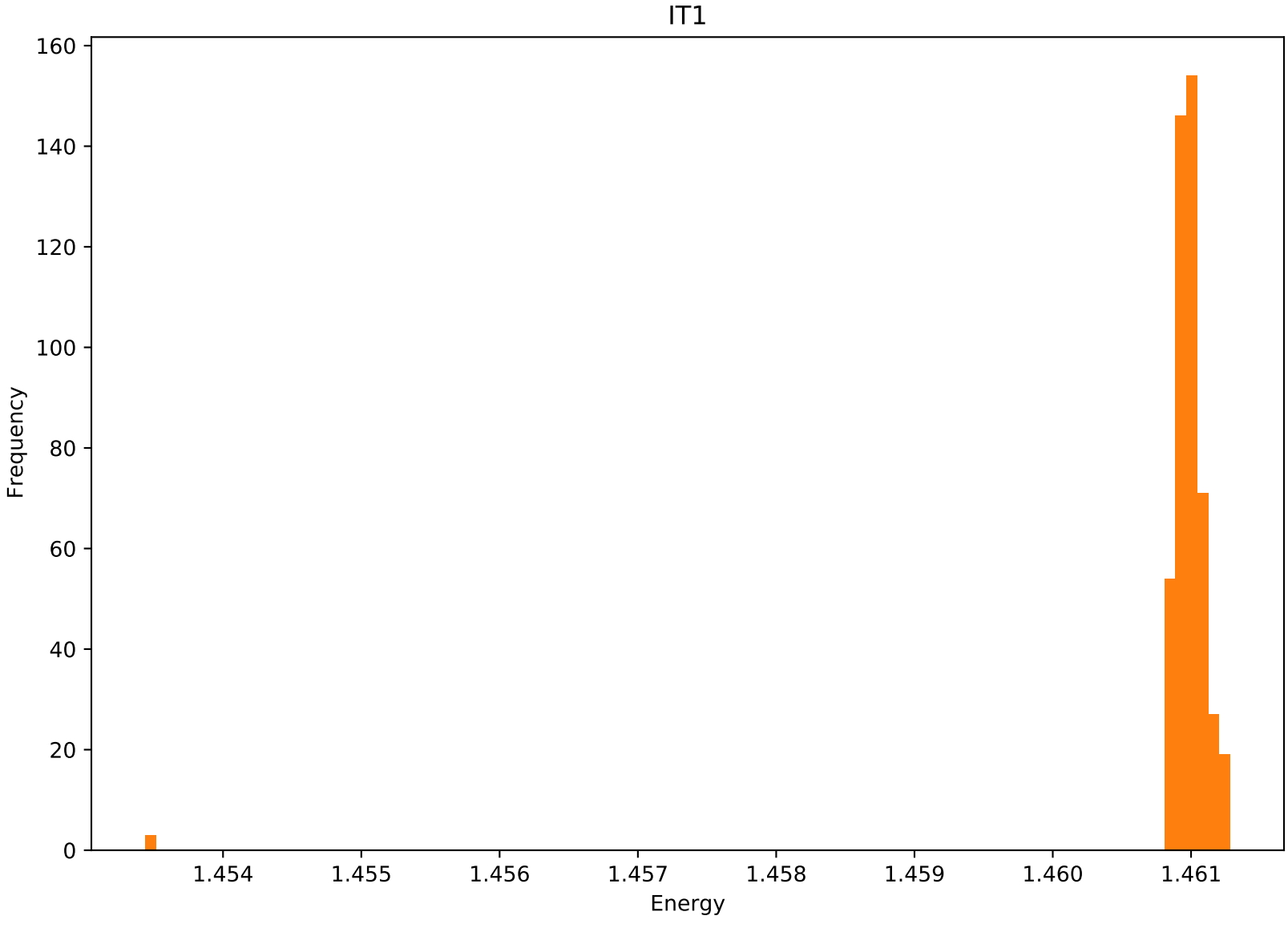

IS5
Frequency
400
350
300
250
200
150
100
50
0
−0.1360
−0.1358
−0.1356
−0.1354
−0.1352
−0.1350
−0.1348
Energy

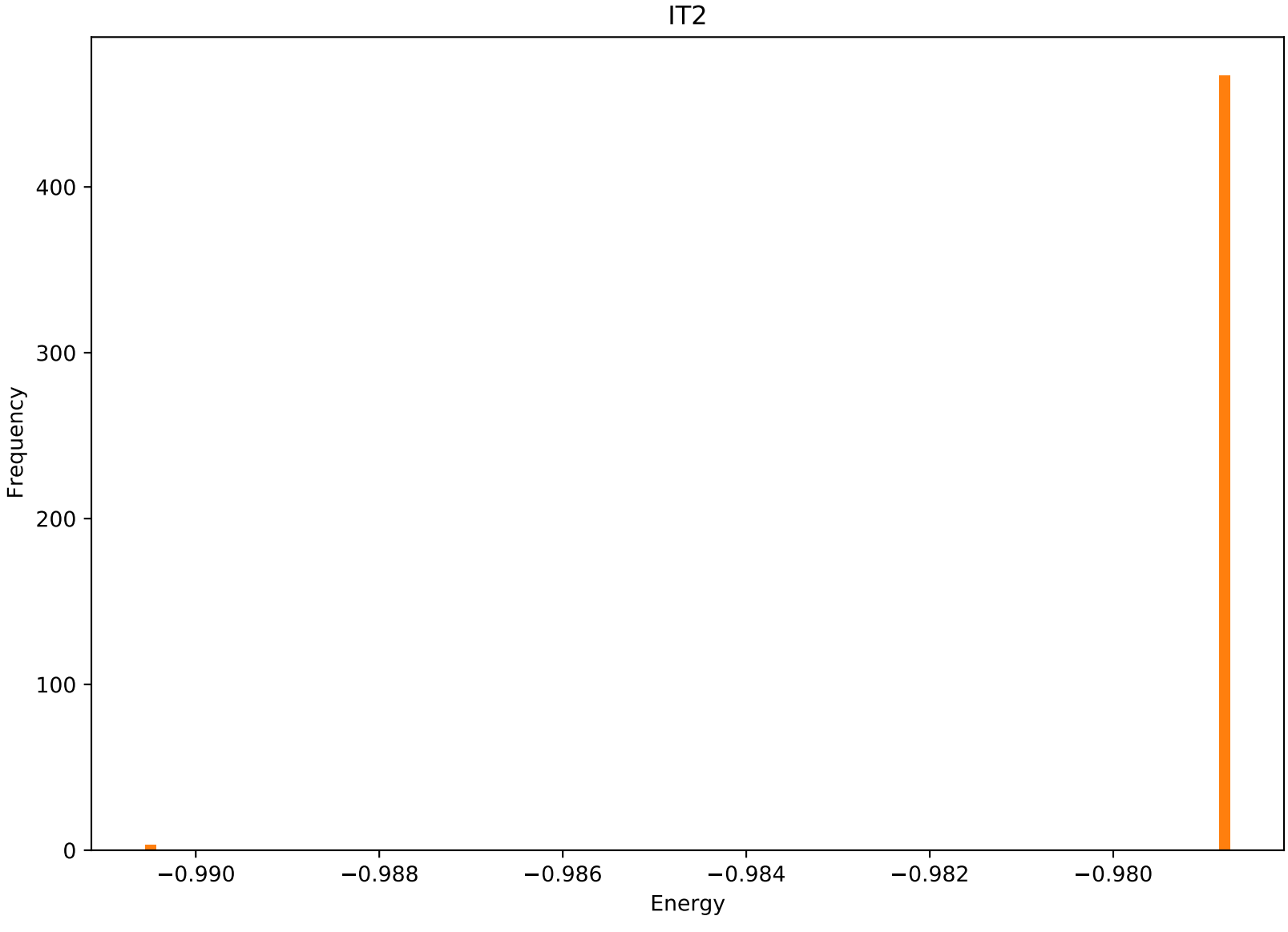

IS6
Frequency
350
300
250
200
150
100
50
0
−0.0428
−0.0427
−0.0426
−0.0425
−0.0424
−0.0423
−0.0422
−0.0421
Energy

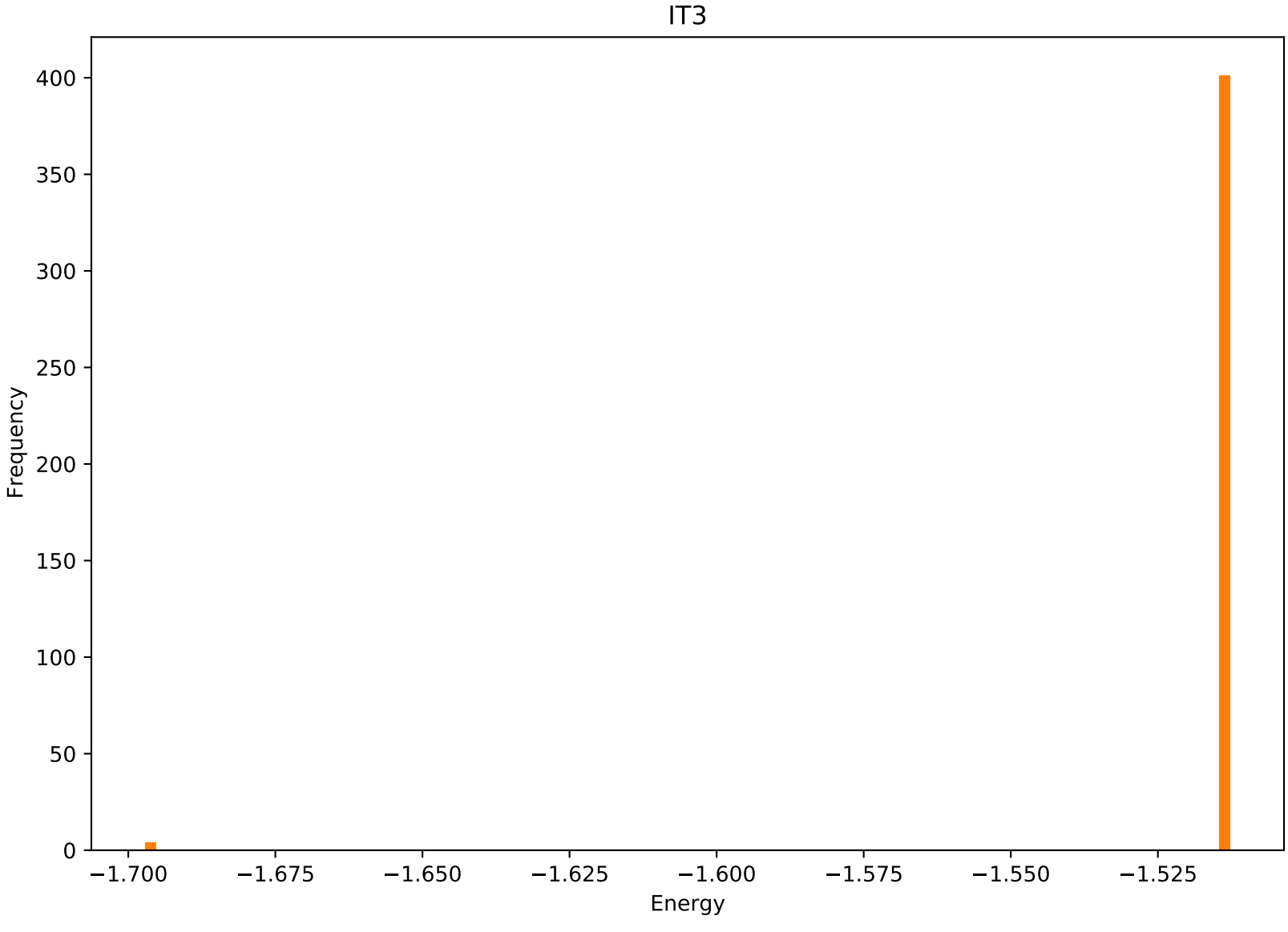

IS7
Frequency
300
250
200
150
100
50
0
−0.0310
−0.0308
−0.0306
−0.0304
−0.0302
−0.0300
−0.0298
−0.0296
−0.0294
Energy

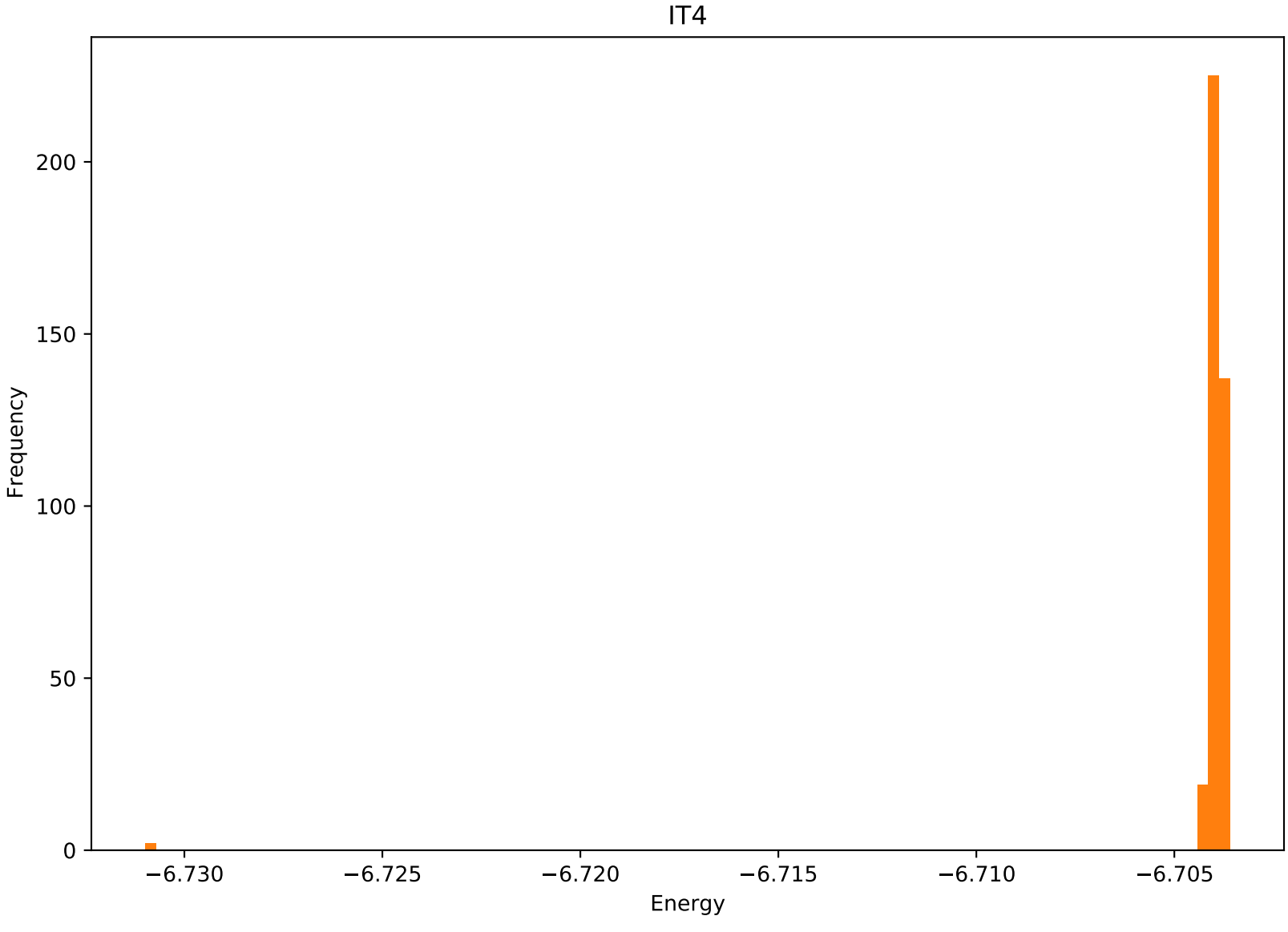

IS8
Frequency
250
200
150
100
50
0
−0.005640
−0.005639
−0.005638
−0.005637
−0.005636
−0.005635
−0.005634
−0.005633
Energy

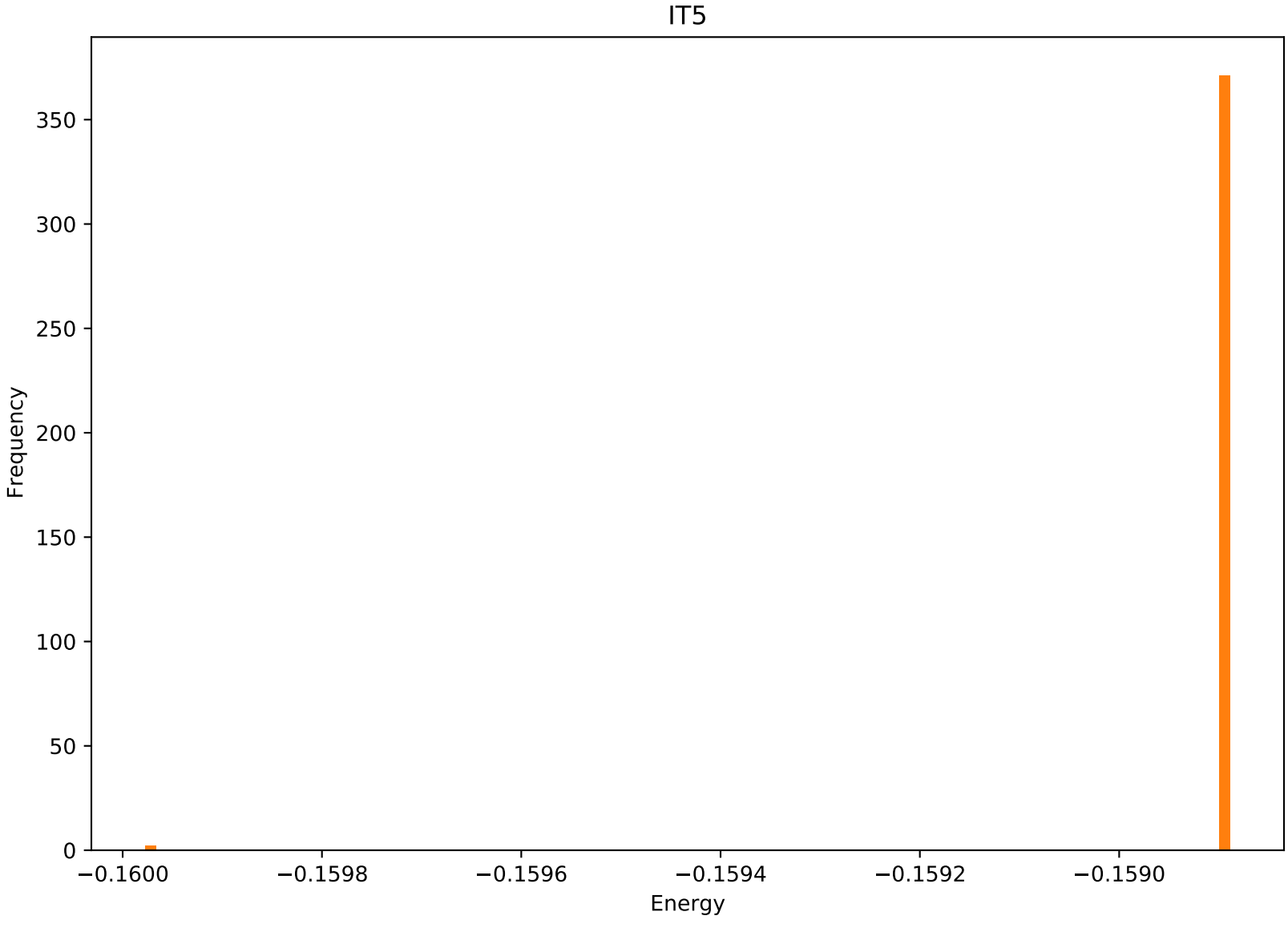

IS9
Frequency
0
5
10
15
20
25
30
35
40
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

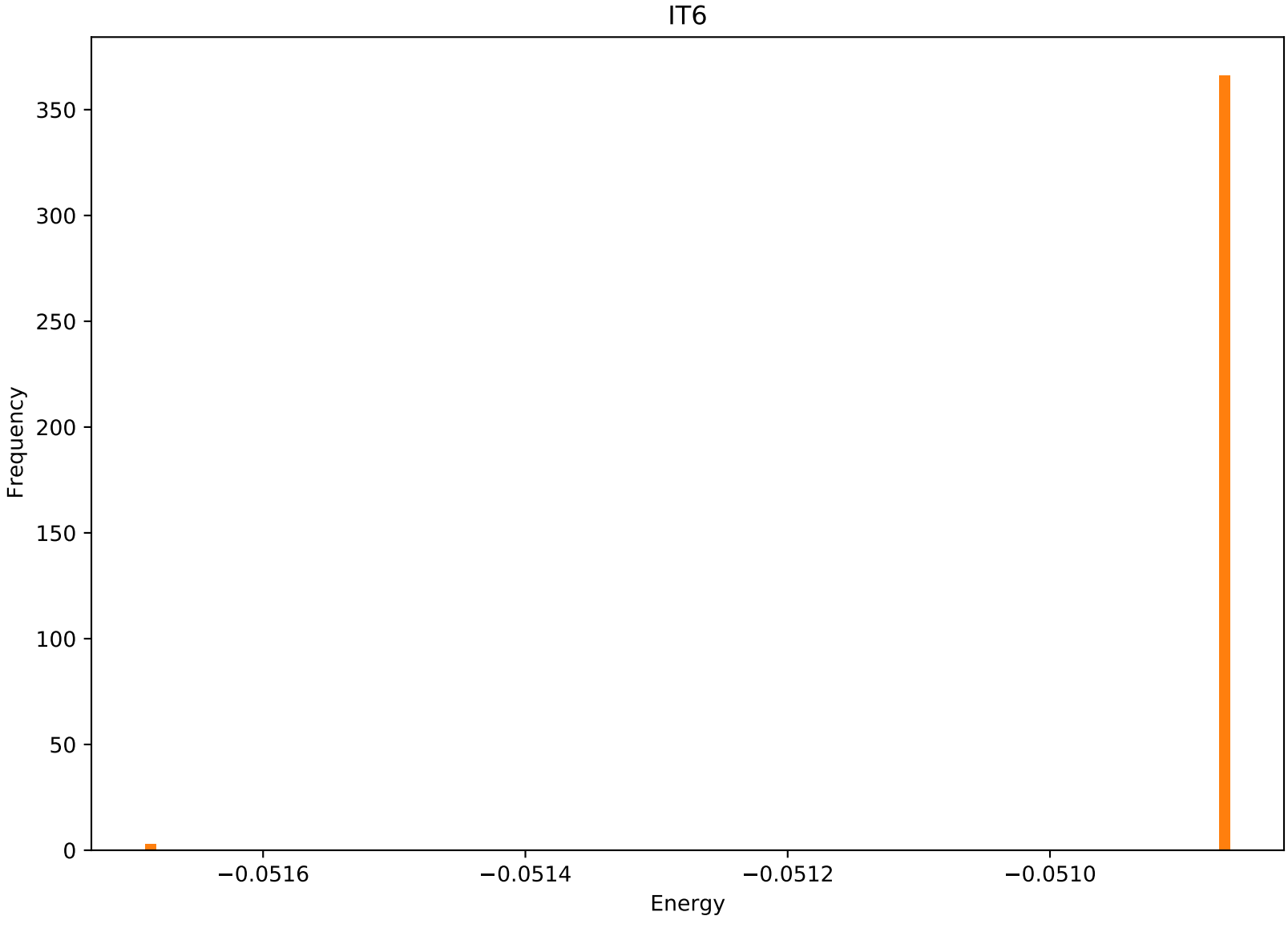

IT1
160
140
120
100
80
60
40
20
0
Frequency
1.454
1.455
1.456
1.457
1.458
1.459
1.460
1.461
Energy

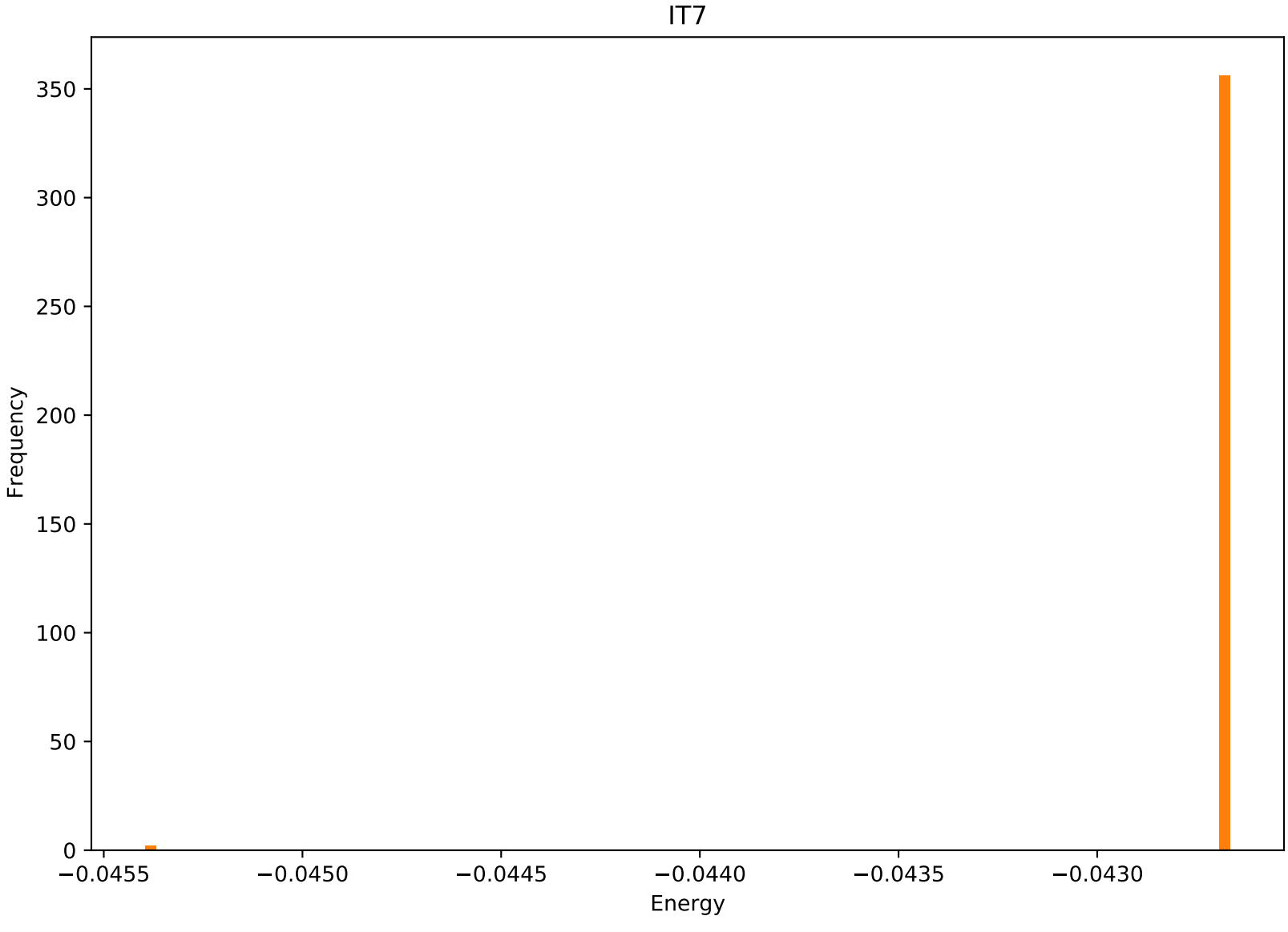

IT2
Frequency
0
100
200
300
400
−0.990
−0.988
−0.986
−0.984
−0.982
−0.980
Energy

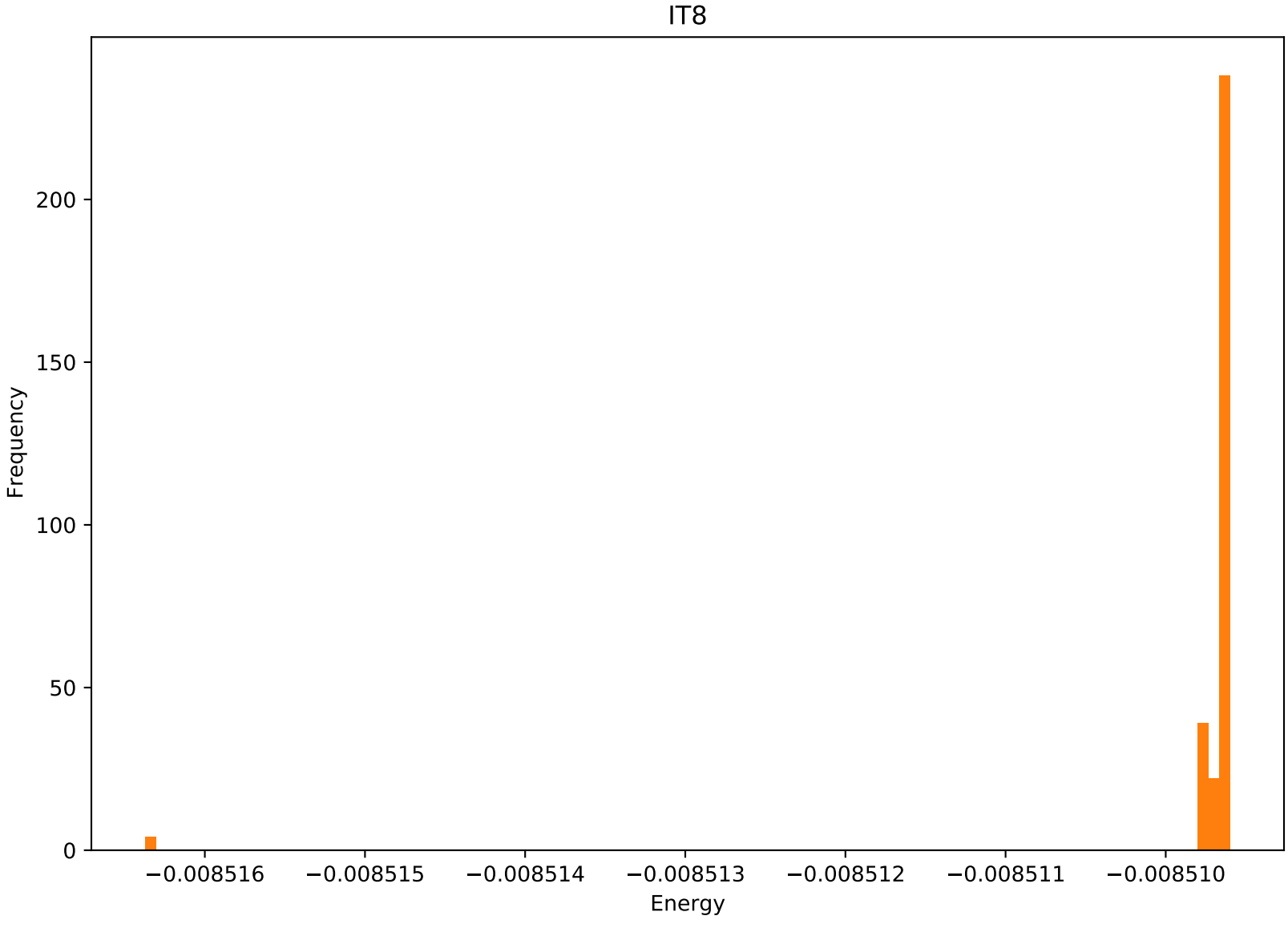

IT3
Frequency
Energy
400
350
300
250
200
150
100
50
0
−1.700
−1.675
−1.650
−1.625
−1.600
−1.575
−1.550
−1.525

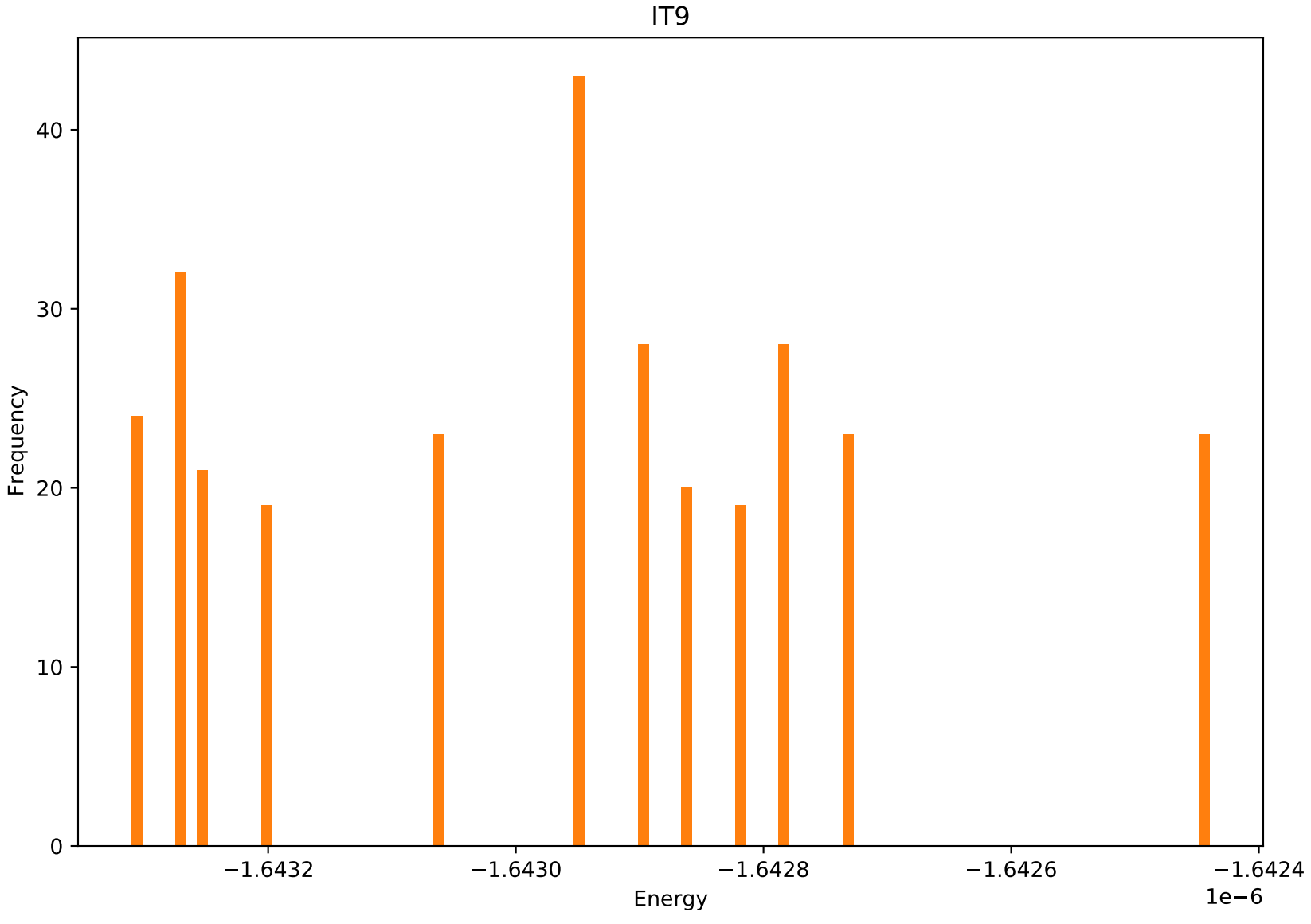

IT4
Frequency
200
150
100
50
0
−6.730
−6.725
−6.720
−6.715
−6.710
−6.705
Energy

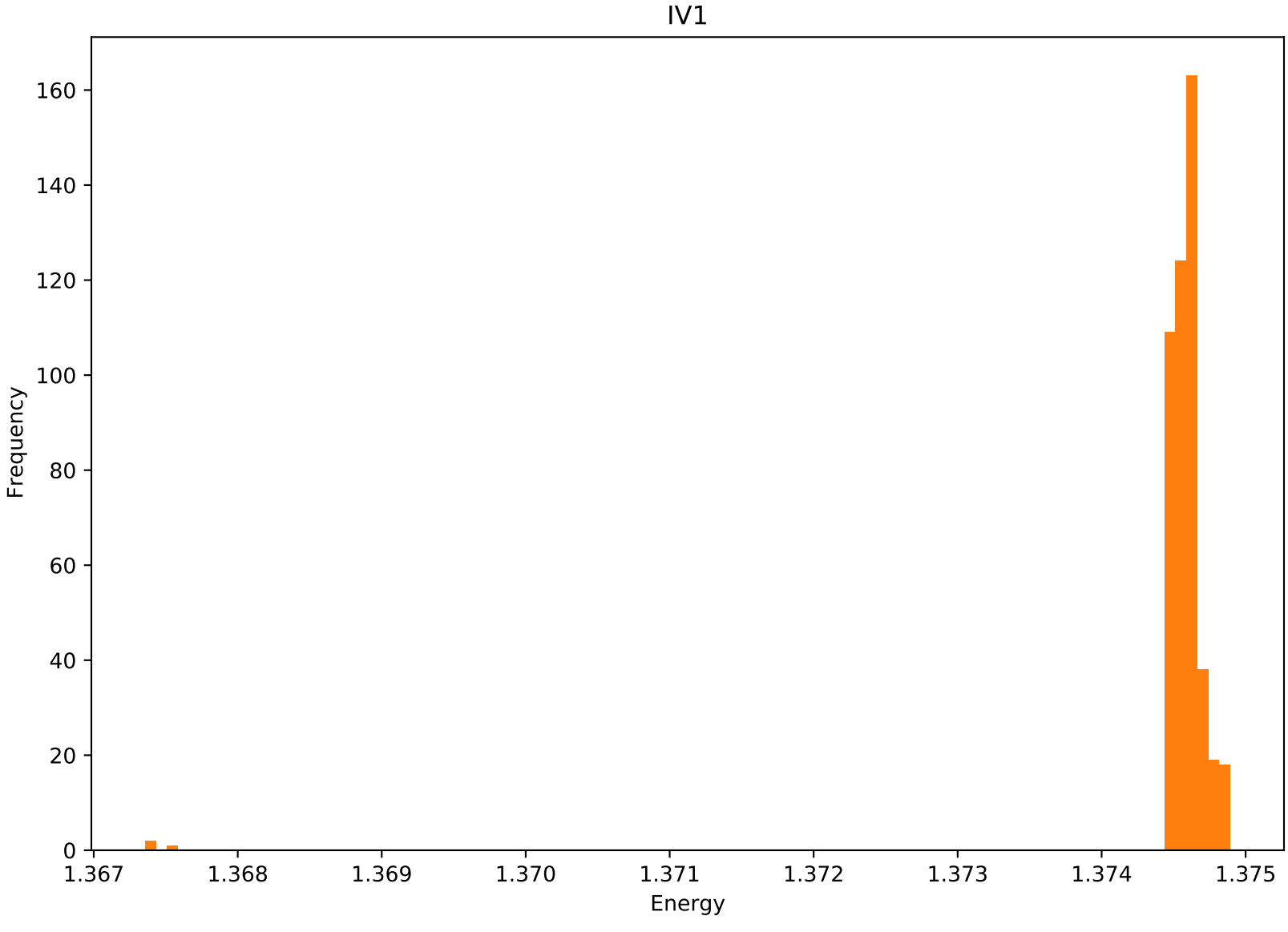

IT5
Frequency
350
300
250
200
150
100
50
0
−0.1600
−0.1598
−0.1596
−0.1594
−0.1592
−0.1590
Energy

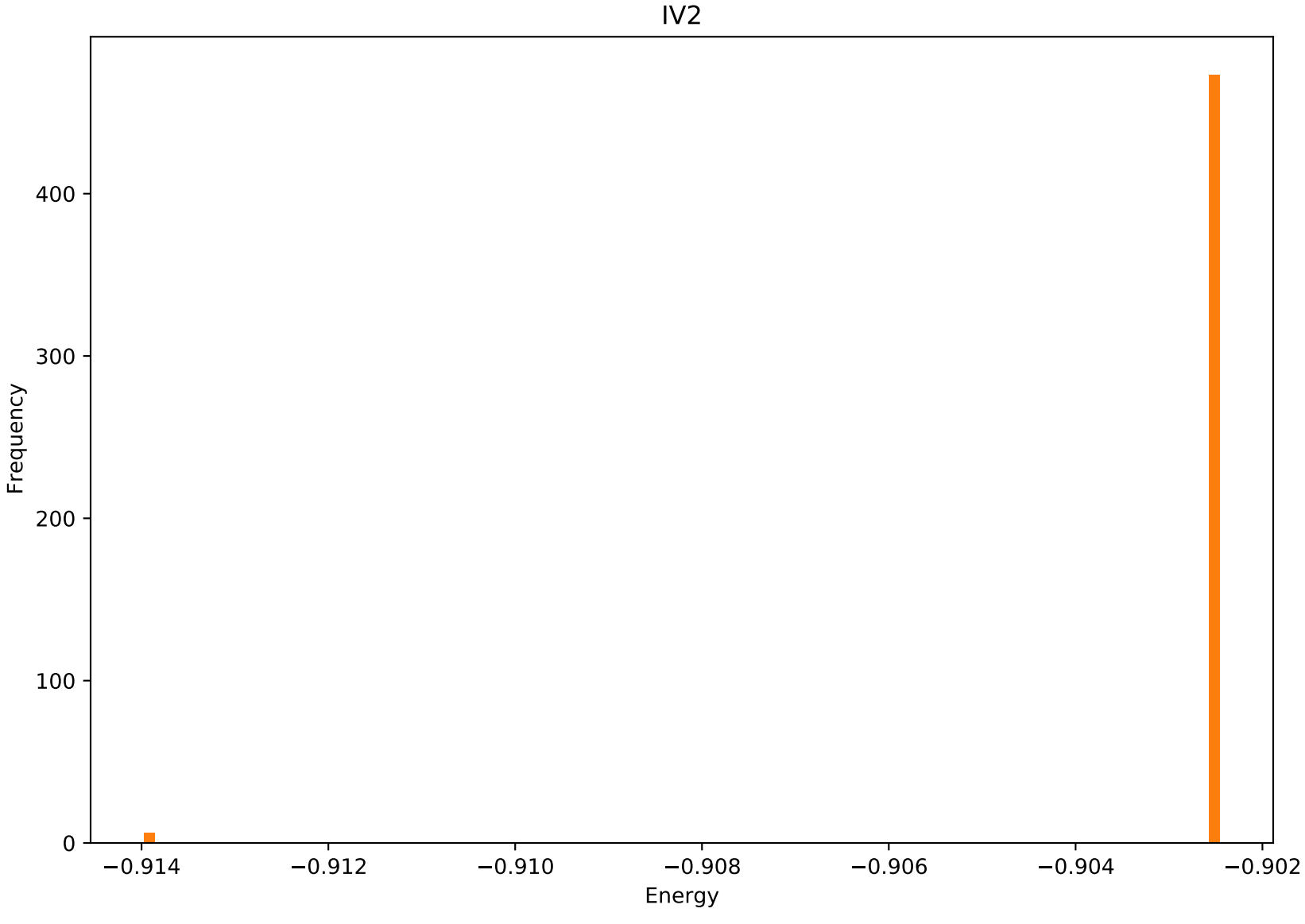

IT6
Frequency
350
300
250
200
150
100
50
0
−0.0516
−0.0514
−0.0512
−0.0510
Energy

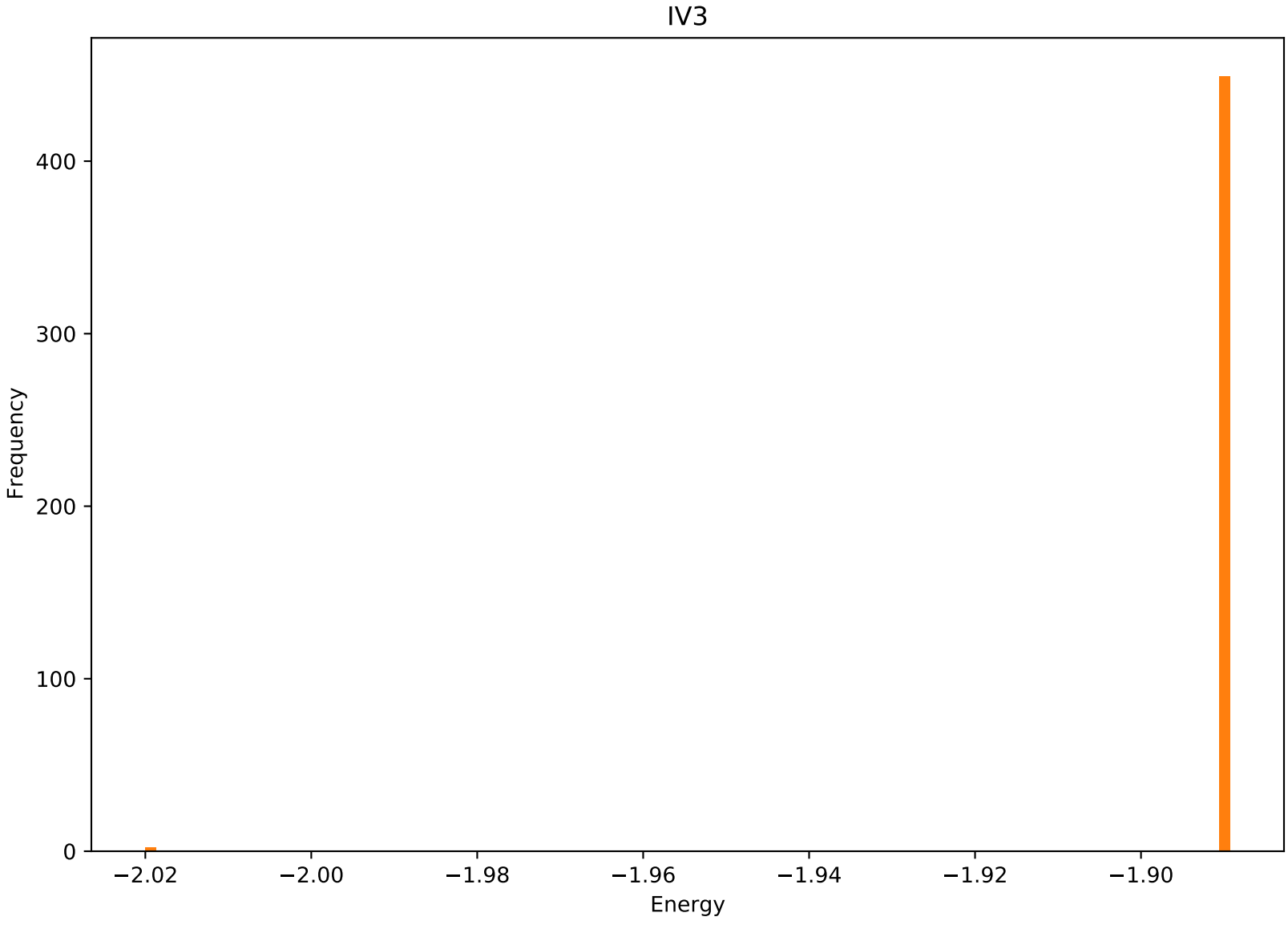

IT7
Frequency
Energy
0
50
100
150
200
250
300
350
−0.0455
−0.0450
−0.0445
−0.0440
−0.0435
−0.0430

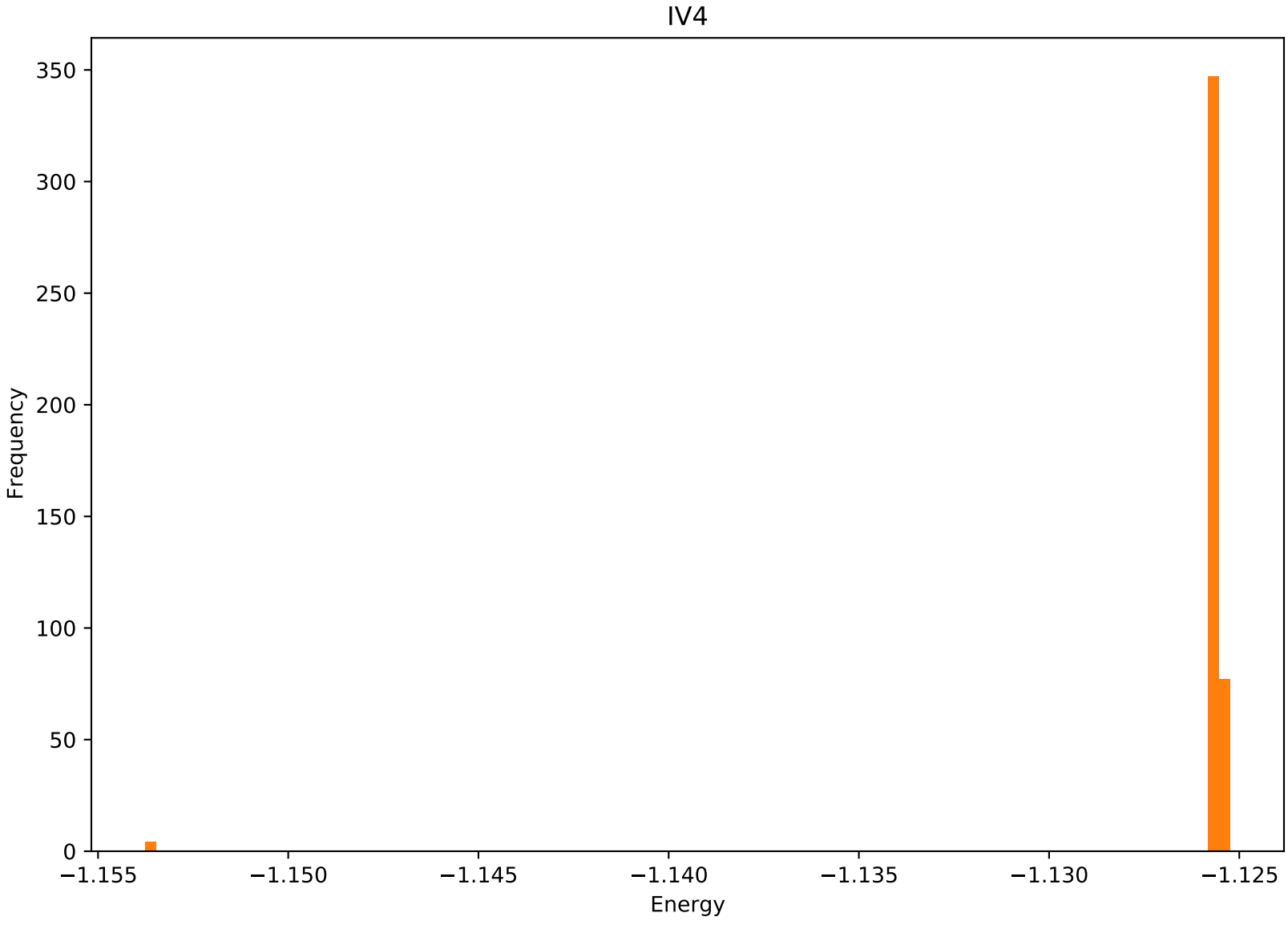

IT8
Frequency
0
50
100
150
200
−0.008516
−0.008515
−0.008514
−0.008513
−0.008512
−0.008511
−0.008510
Energy

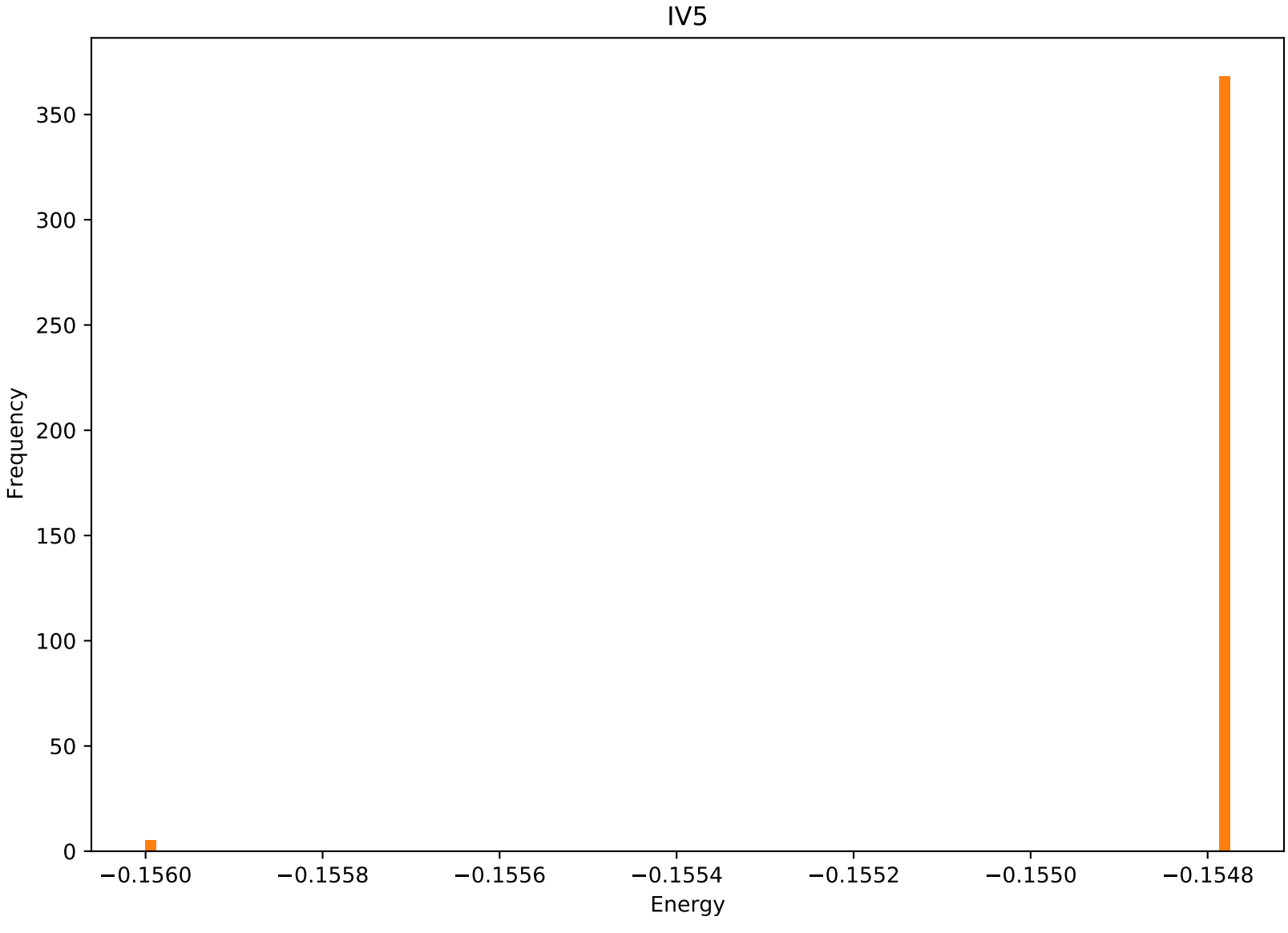

IT9
Frequency
0
10
20
30
40
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

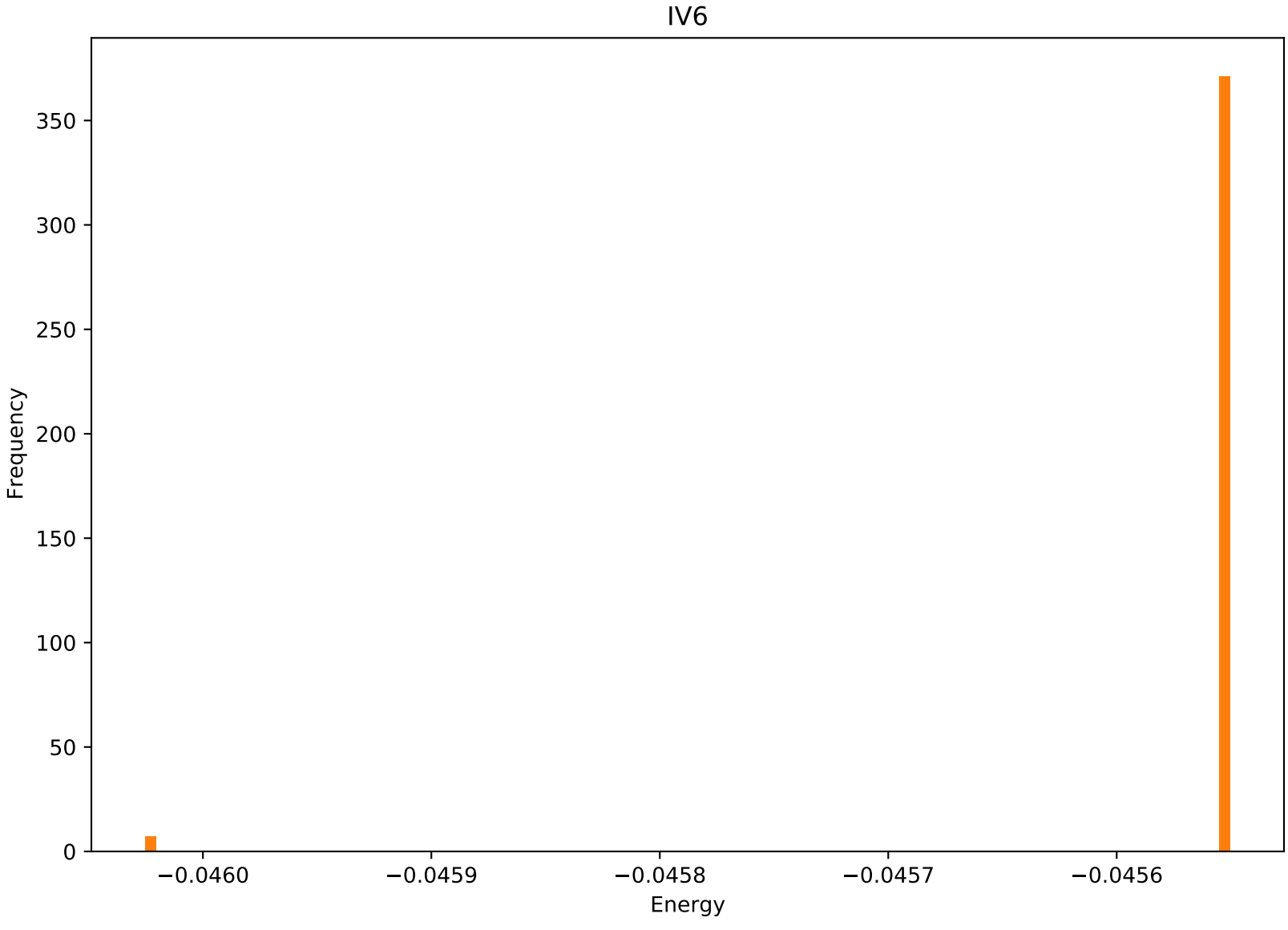

IV1
Frequency
Energy
0
20
40
60
80
100
120
140
160
1.367
1.368
1.369
1.370
1.371
1.372
1.373
1.374
1.375

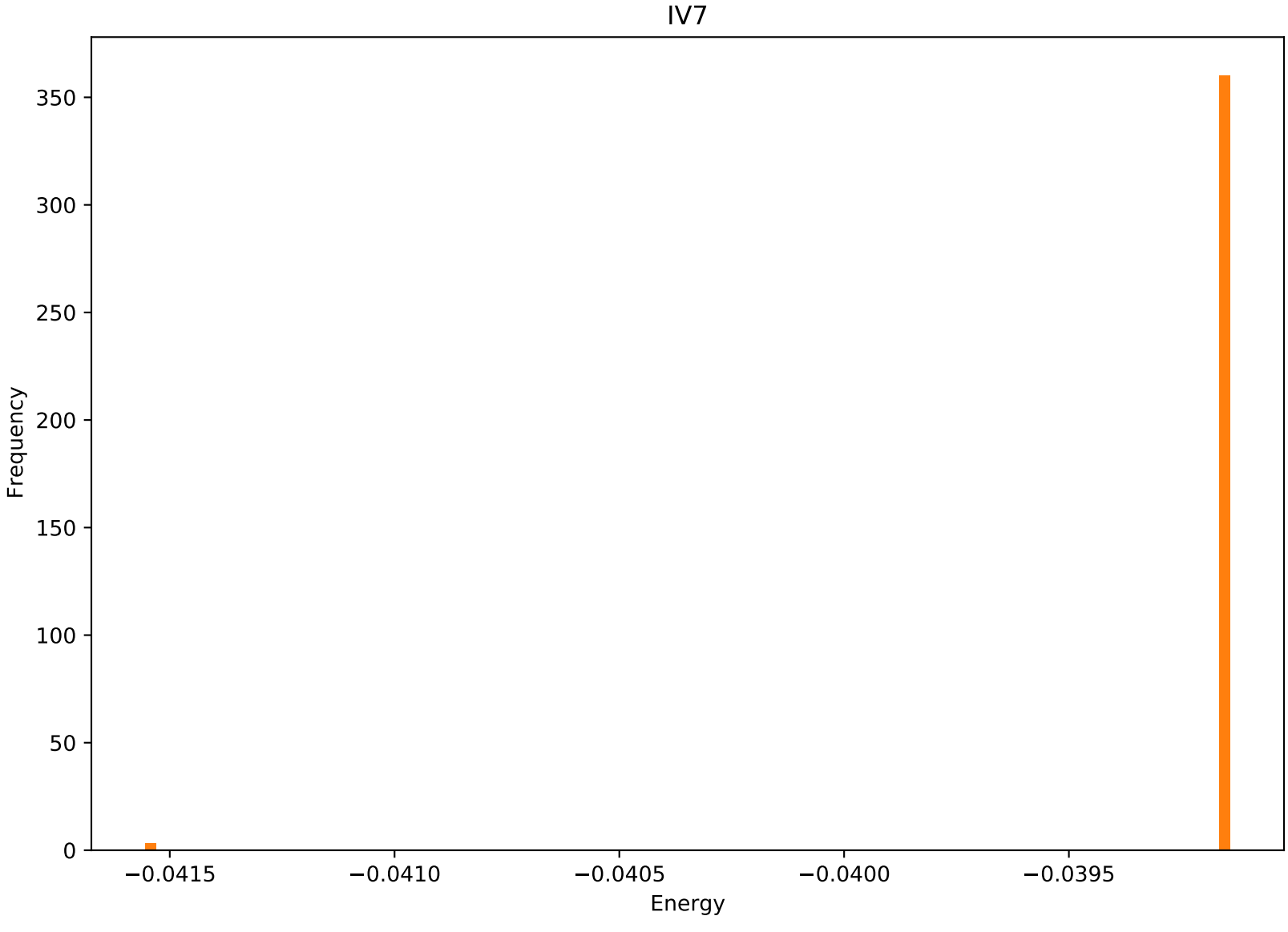

IV2
Frequency
0
100
200
300
400
−0.914
−0.912
−0.910
−0.908
−0.906
−0.904
−0.902
Energy

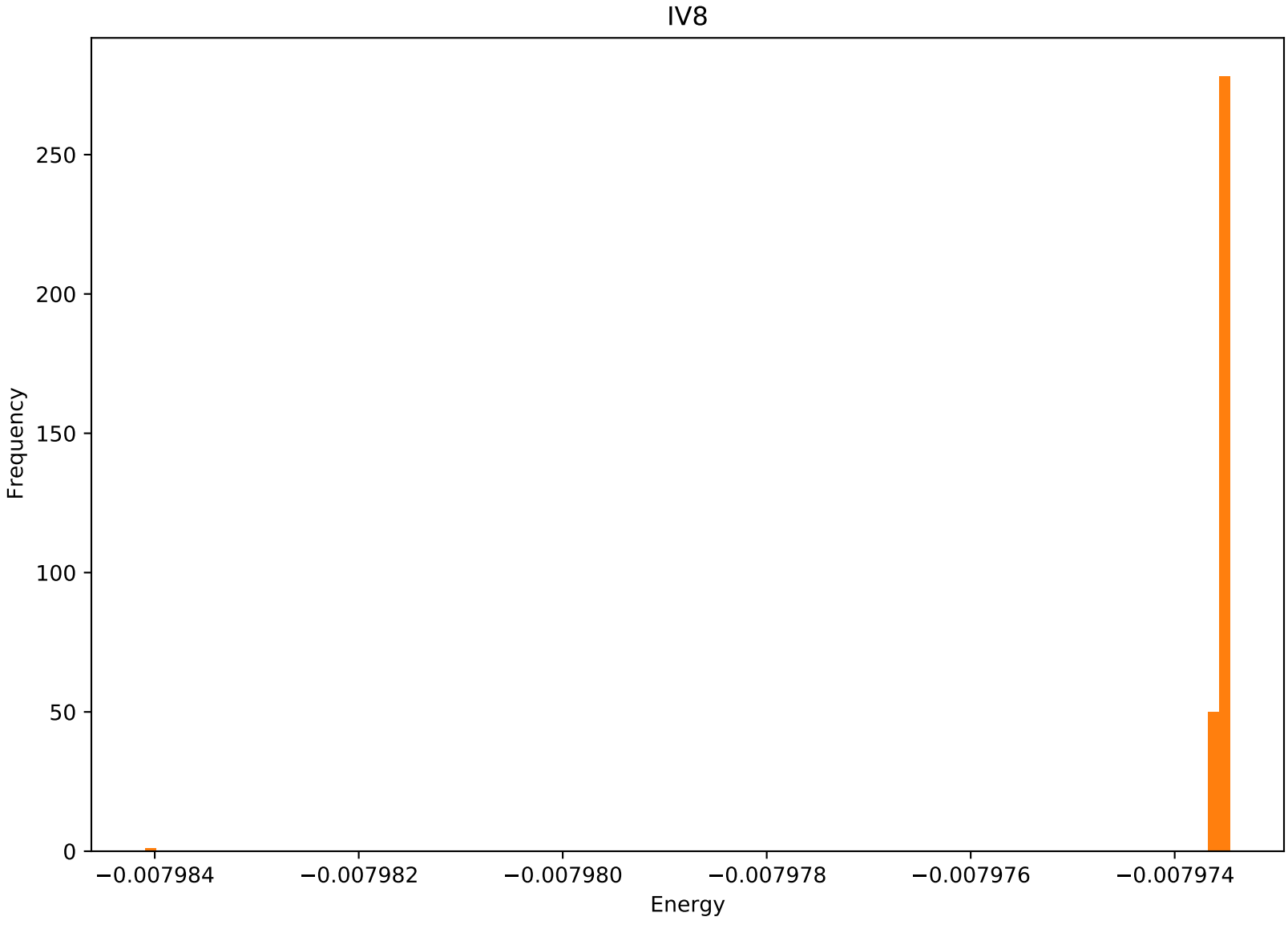

IV3
Frequency
0
100
200
300
400
−2.02
−2.00
−1.98
−1.96
−1.94
−1.92
−1.90
Energy

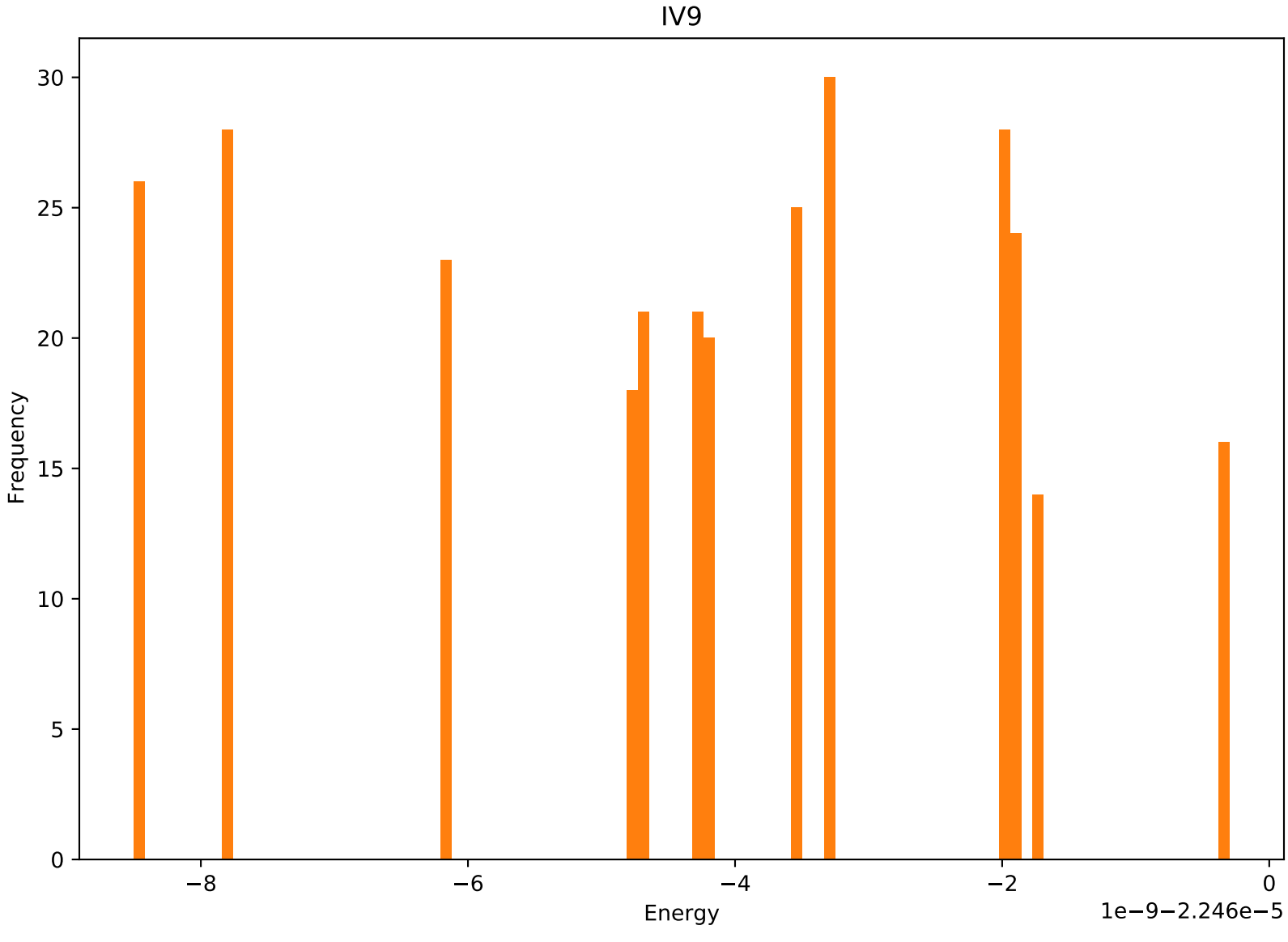

IV4
Frequency
Energy
0
50
100
150
200
250
300
350
−1.155
−1.150
−1.145
−1.140
−1.135
−1.130
−1.125

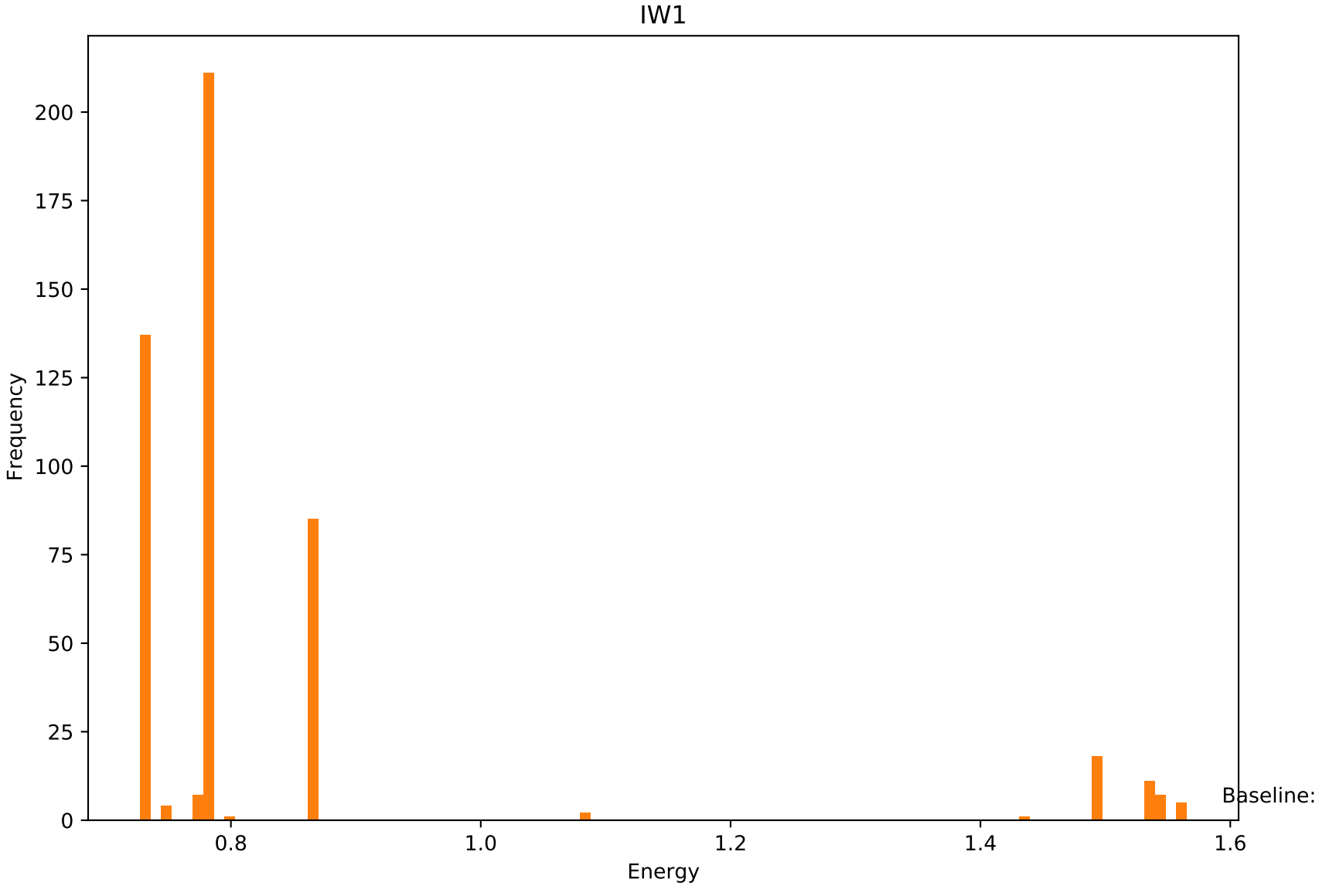

IV5
Frequency
0
50
100
150
200
250
300
350
−0.1560
−0.1558
−0.1556
−0.1554
−0.1552
−0.1550
−0.1548
Energy

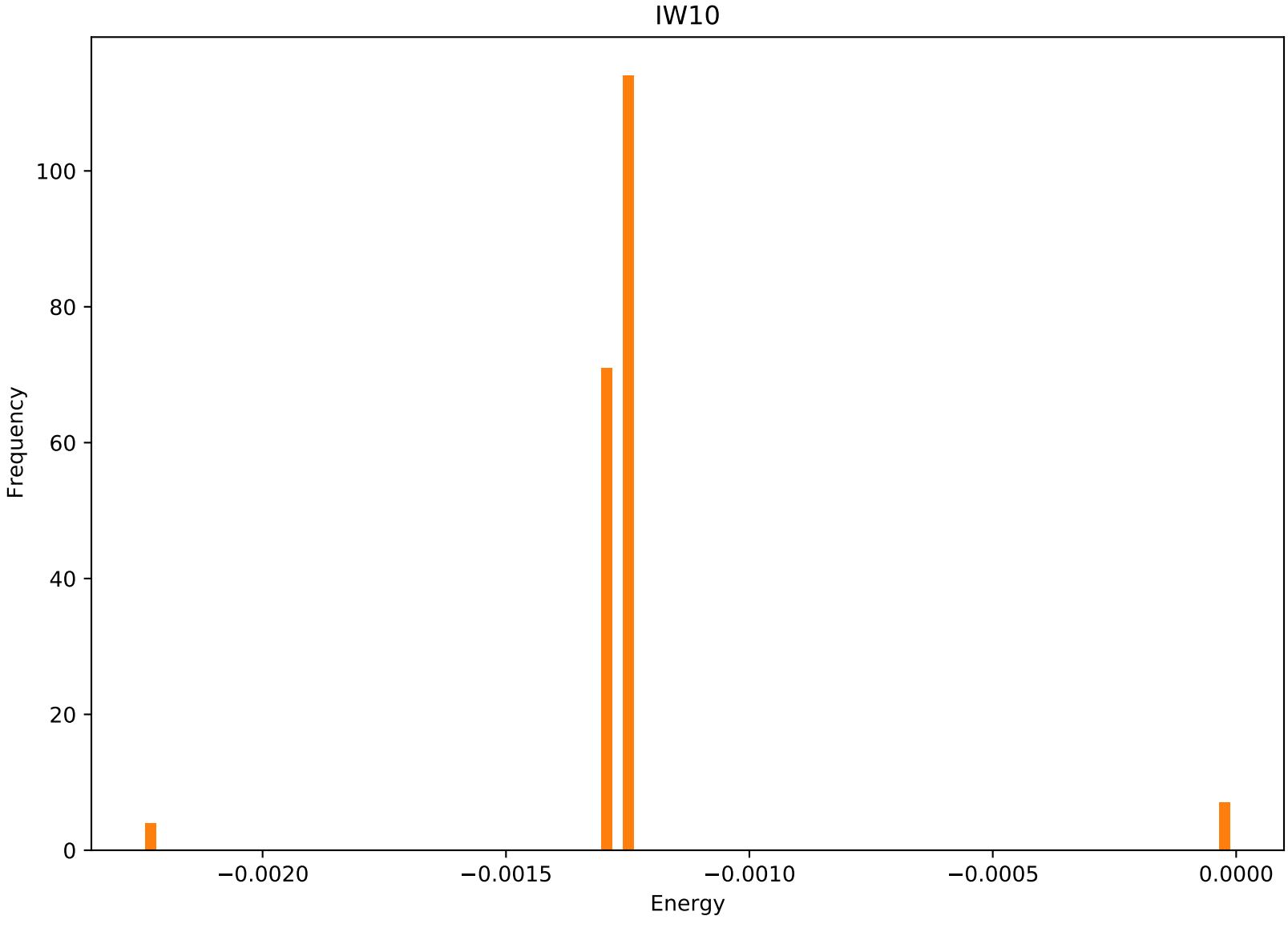

IV6
Frequency
350
300
250
200
150
100
50
0
−0.0460
−0.0459
−0.0458
−0.0457
−0.0456
Energy

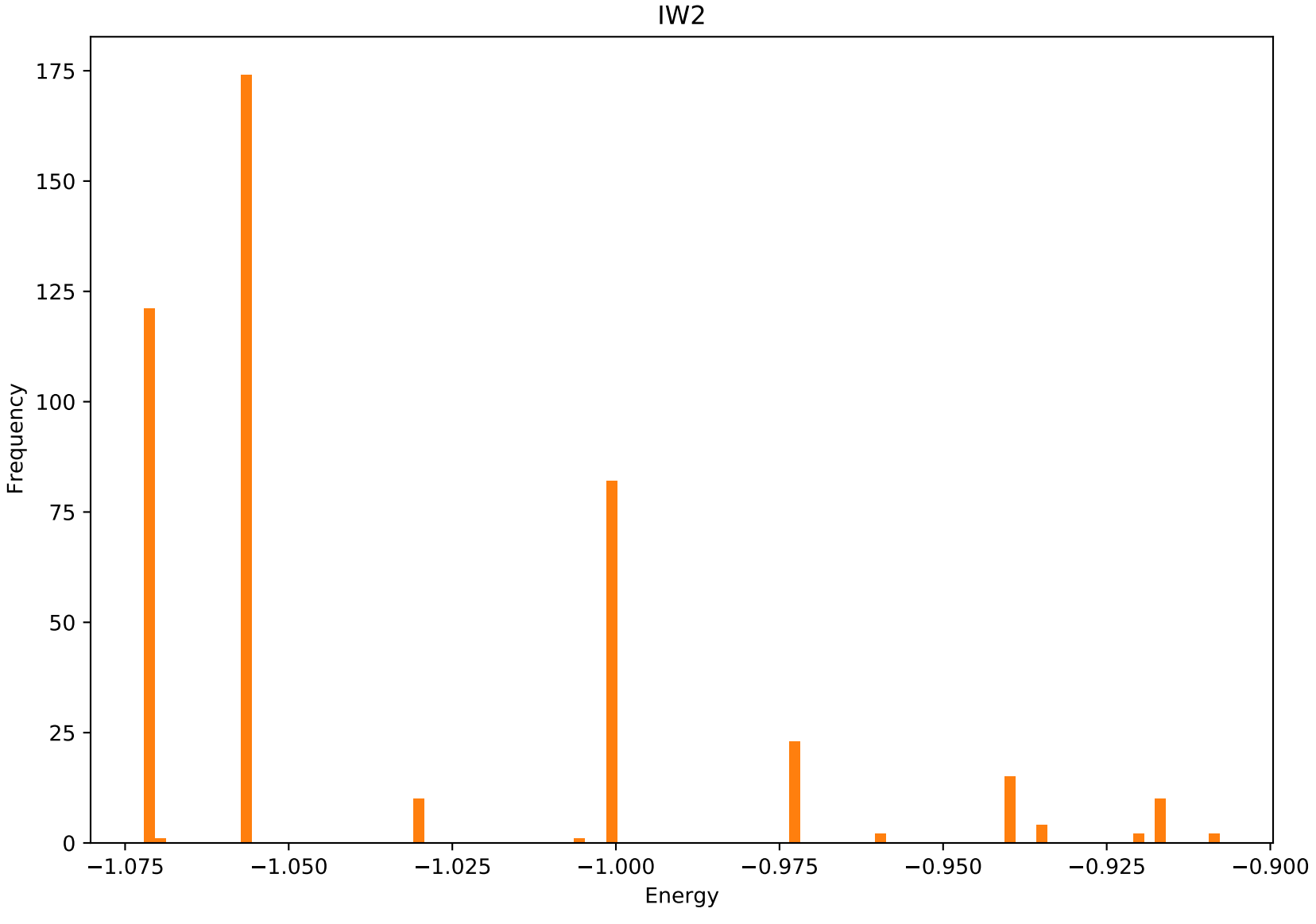

IV7
Frequency
350
300
250
200
150
100
50
0
−0.0415
−0.0410
−0.0405
−0.0400
−0.0395
Energy

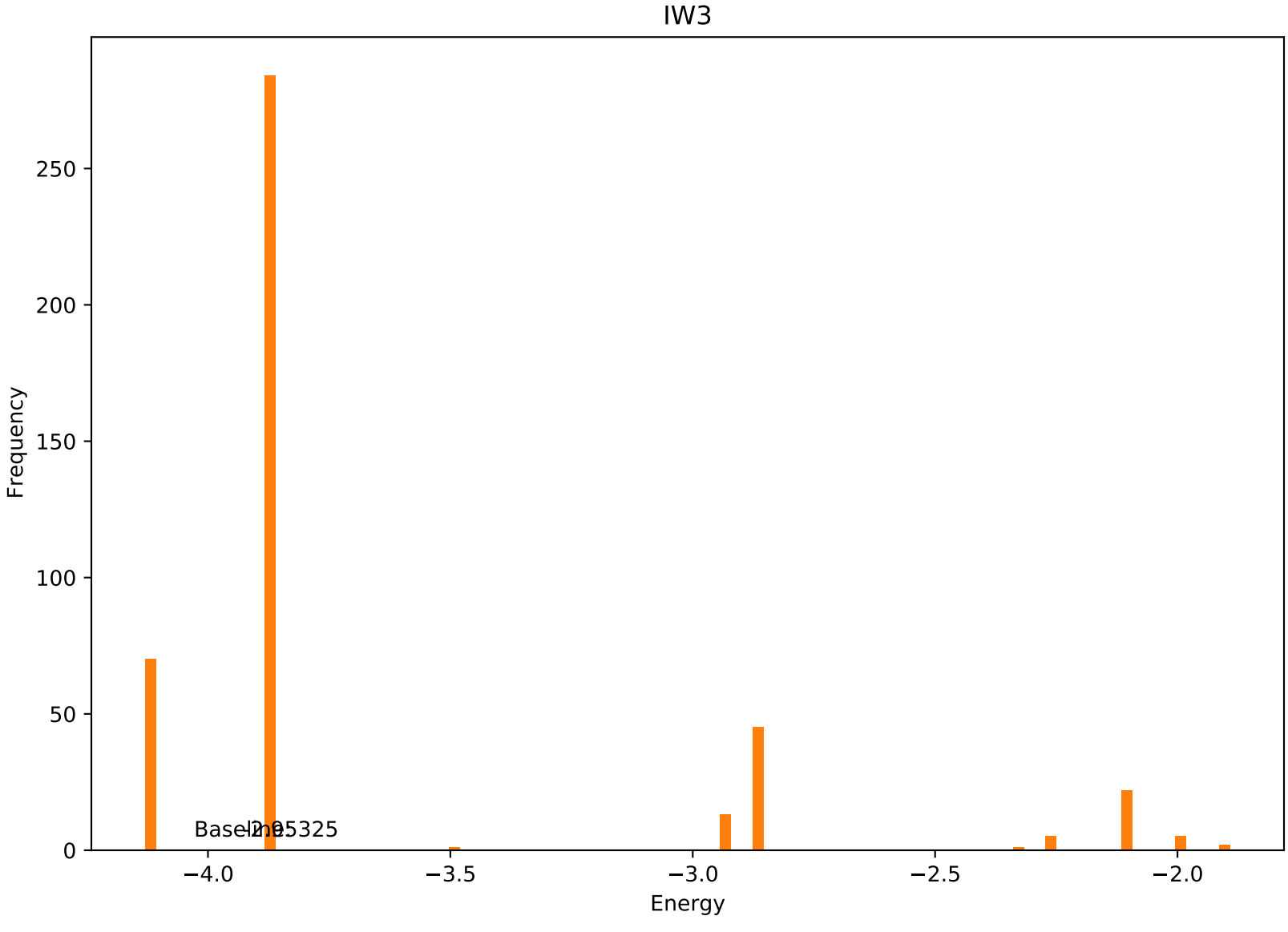

IV8
Frequency
250
200
150
100
50
0
−0.007984
−0.007982
−0.007980
−0.007978
−0.007976
−0.007974
Energy

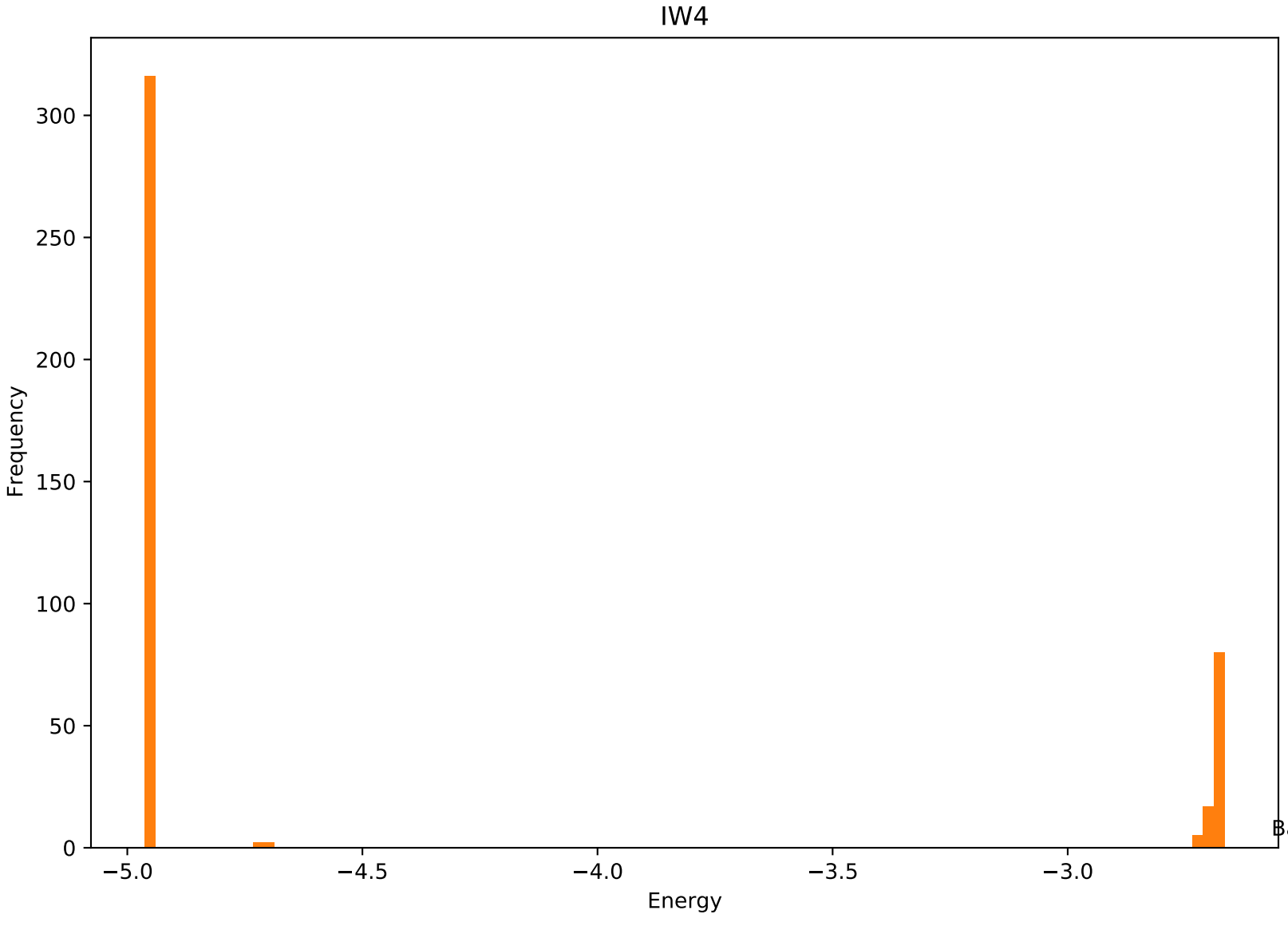

IV9
Frequency
30
25
20
15
10
5
0
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5


IW1
Frequency
Energy
0
25
50
75
100
125
150
175
200
0.8
1.0
1.2
1.4
1.6
Baseline:

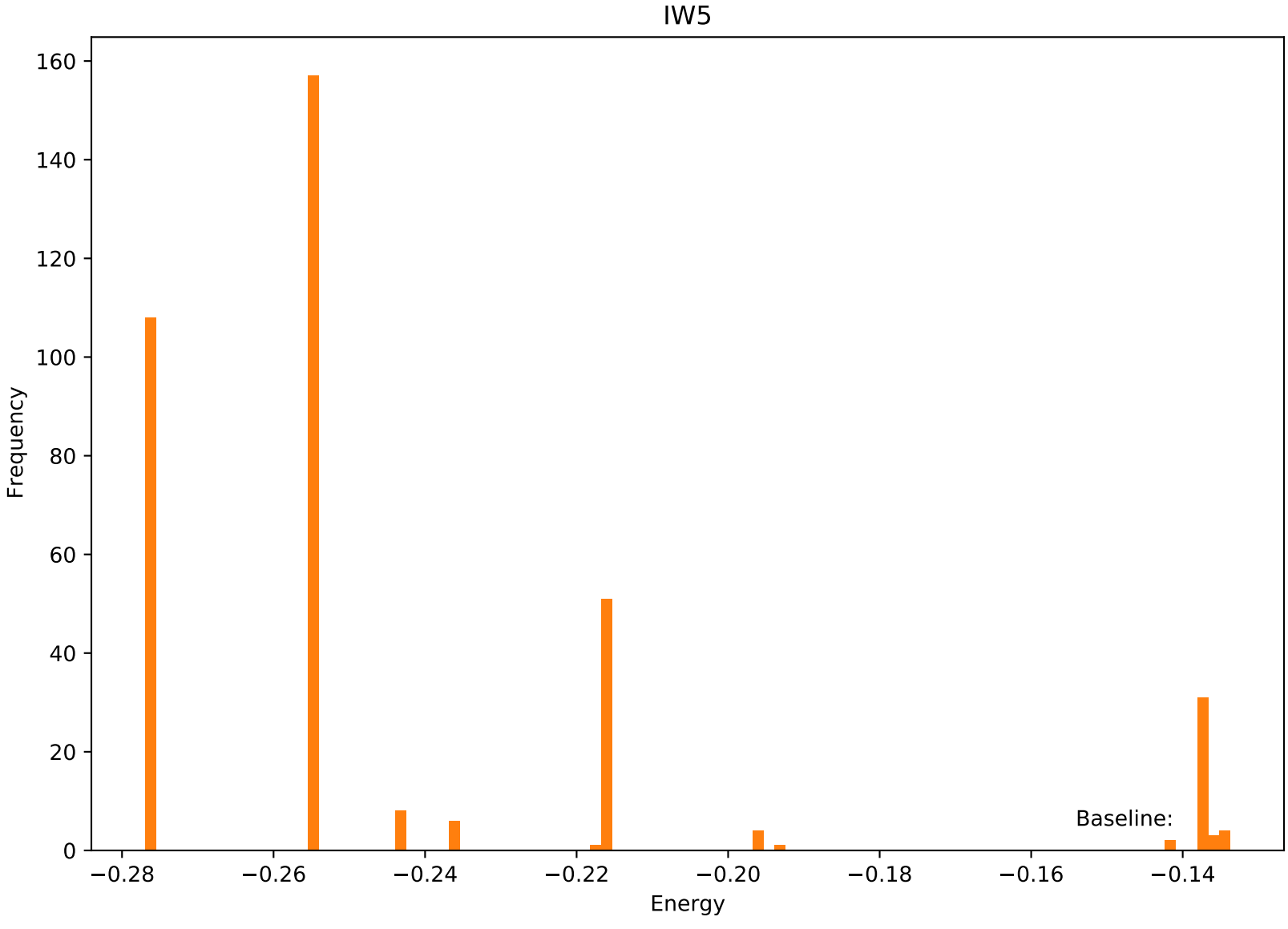

IW10
Frequency
Energy
0
20
40
60
80
100
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

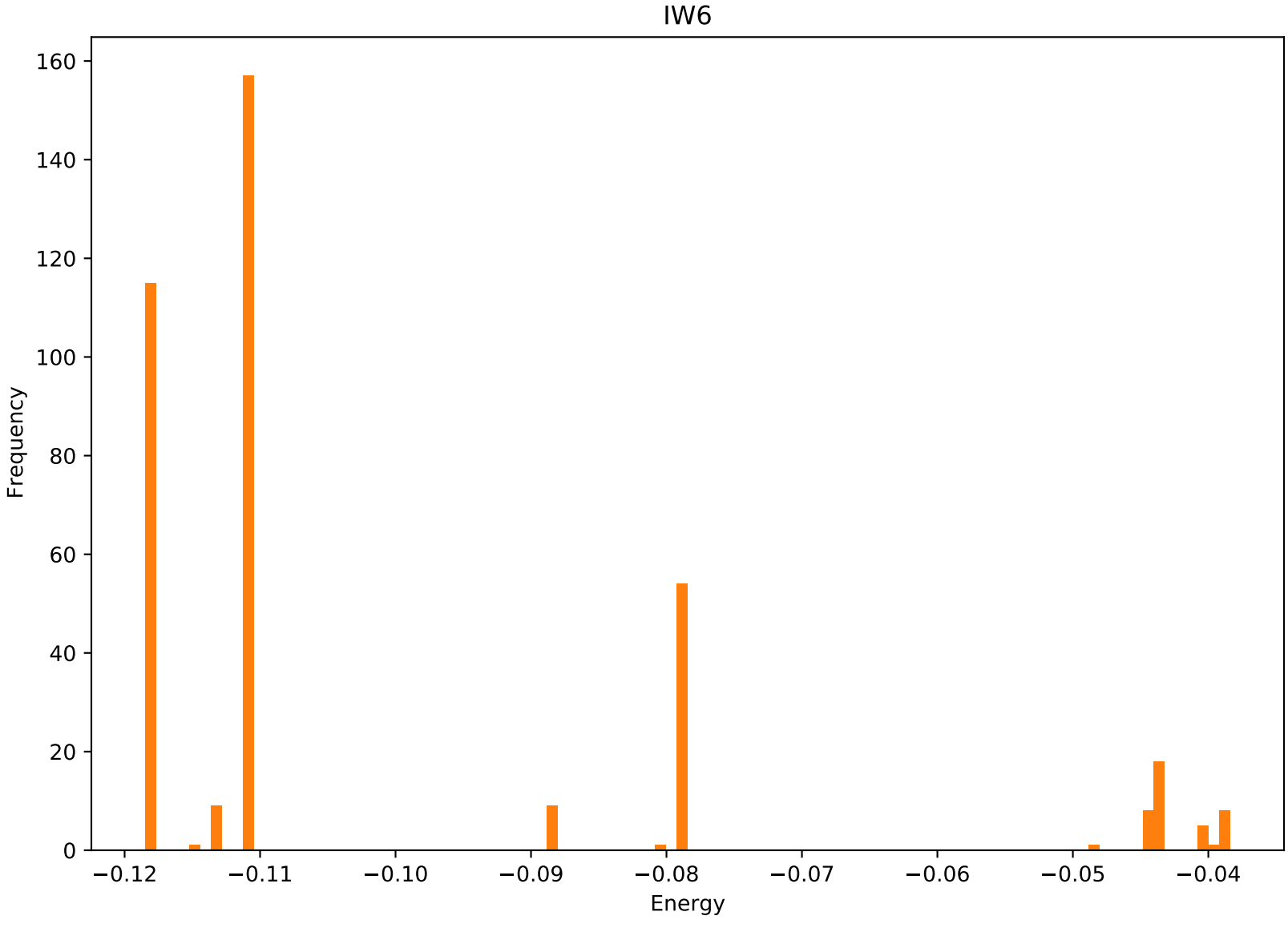

IW2
Frequency
Energy
0
25
50
75
100
125
150
175
−1.075
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900

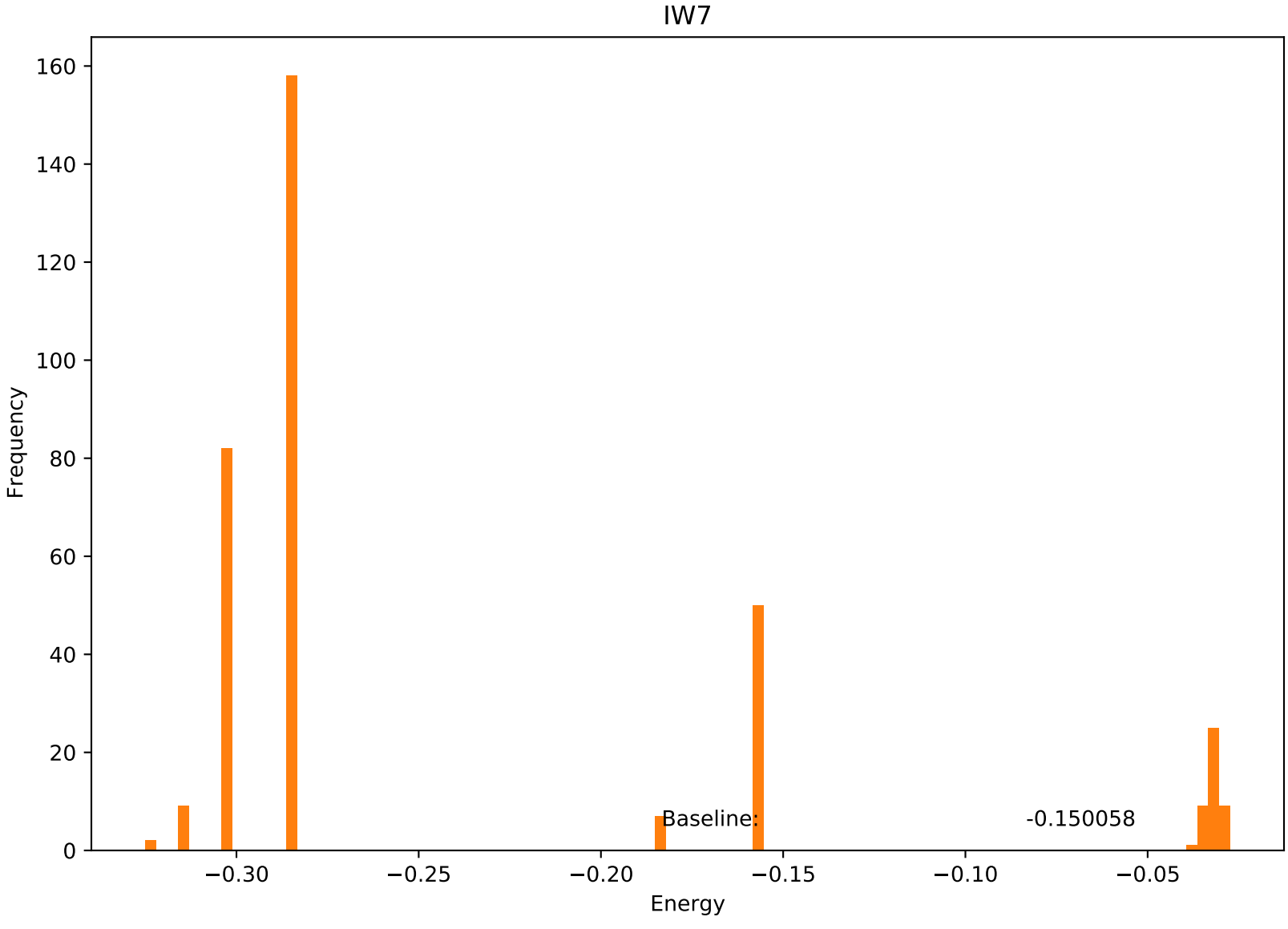

IW3
Frequency
250
200
150
100
50
0
−4.0
−3.5
−3.0
−2.5
−2.0
Energy

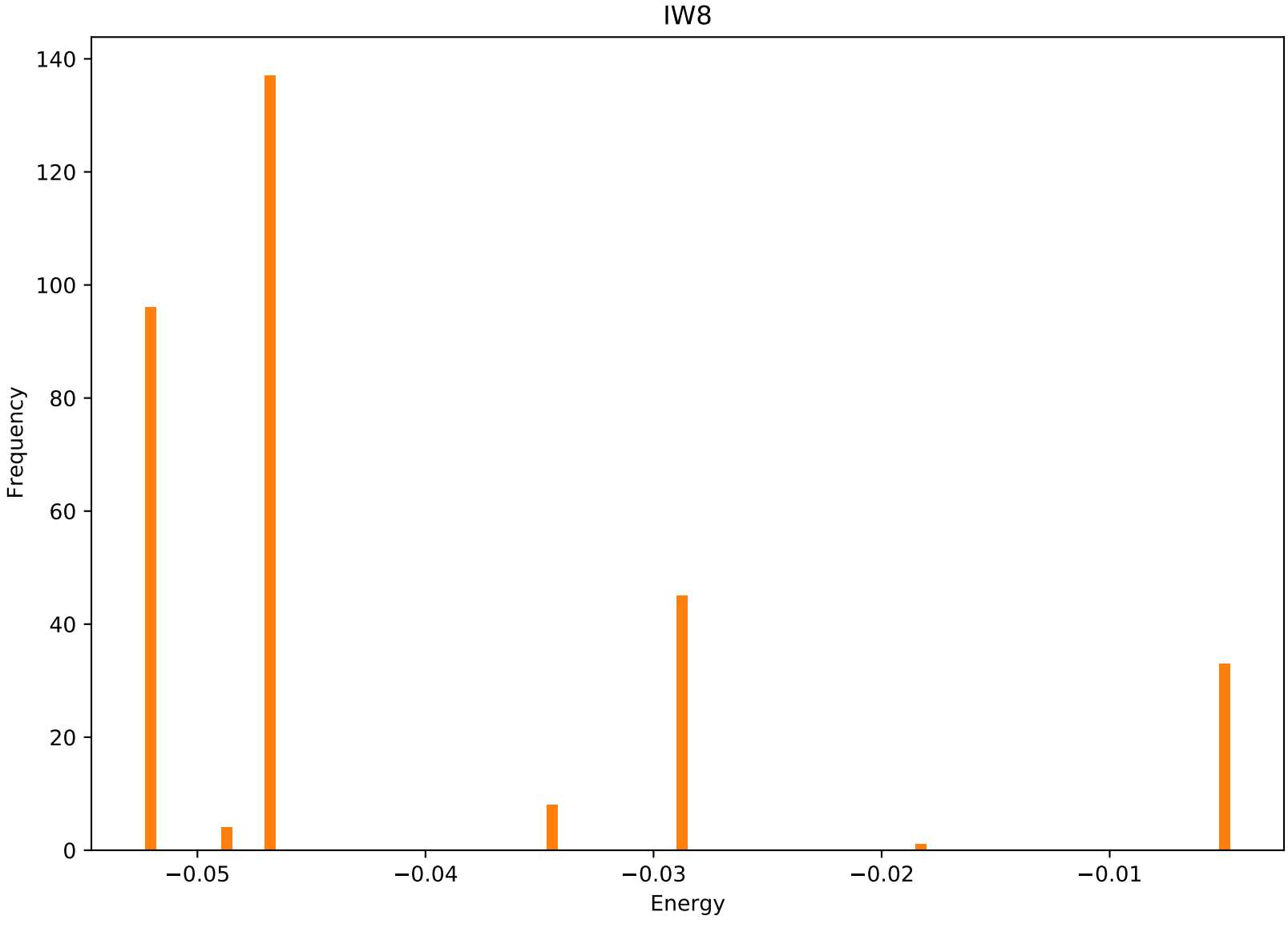


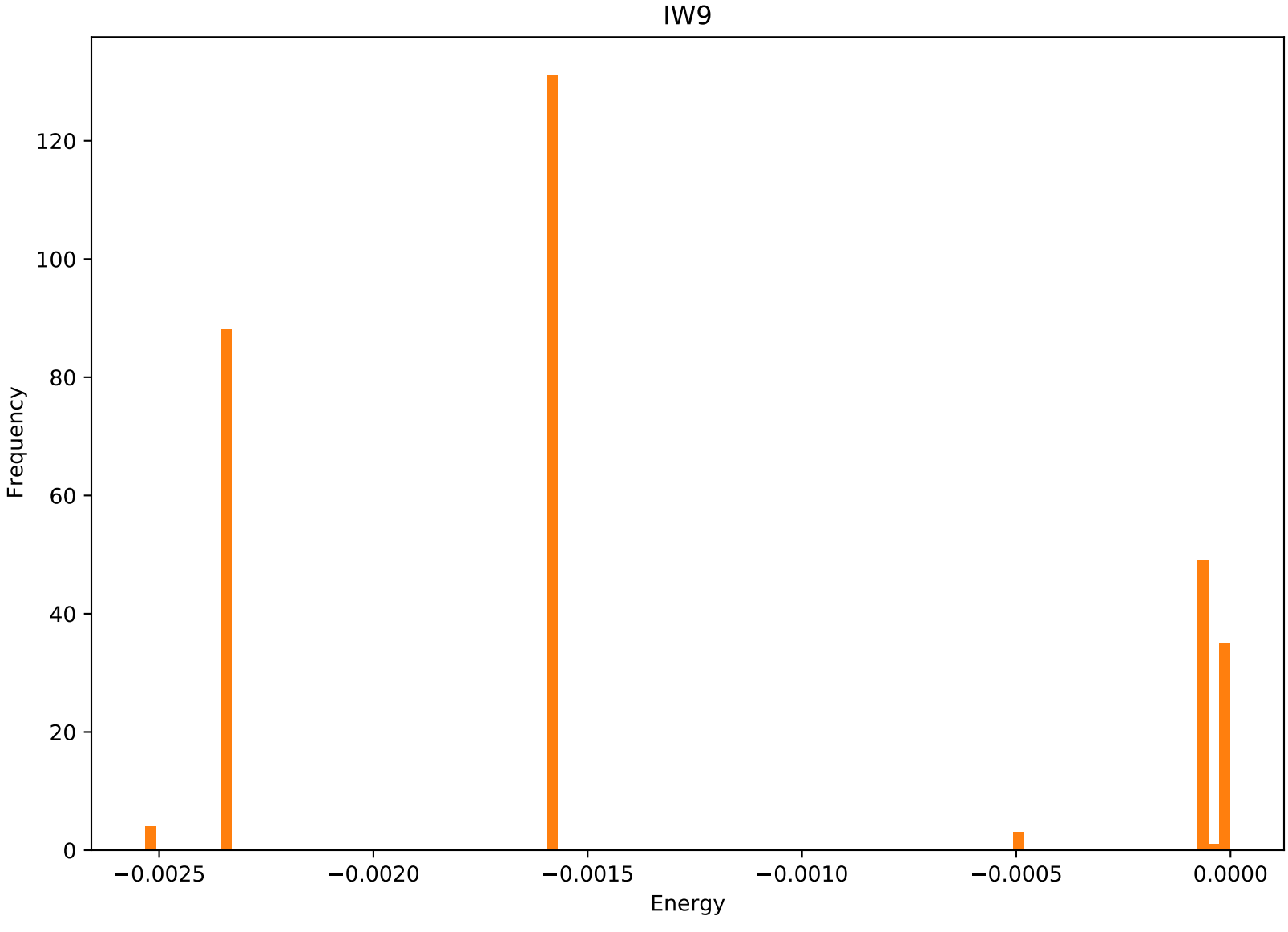
Baseline:

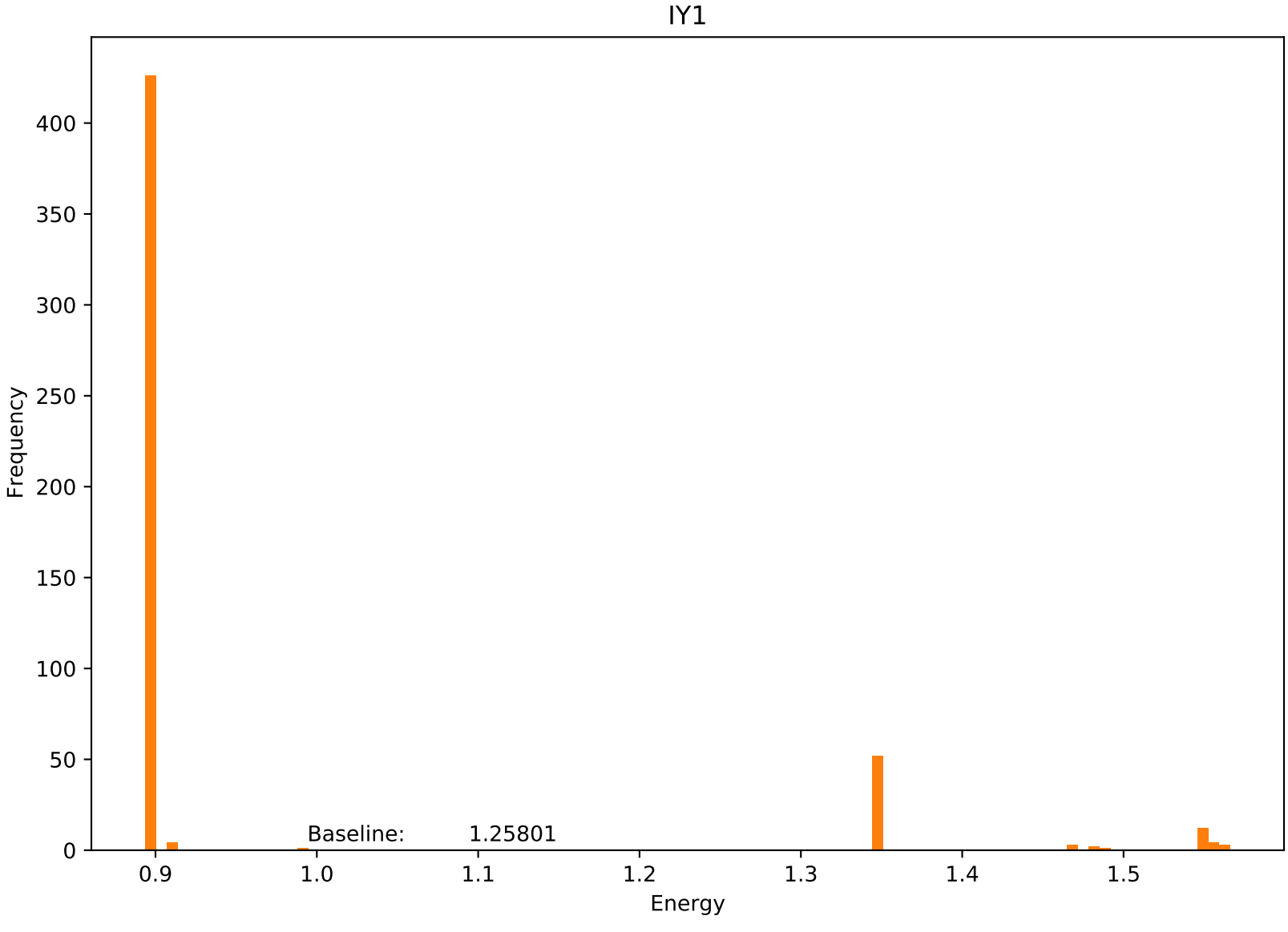

IW5
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
160
−0.28
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14

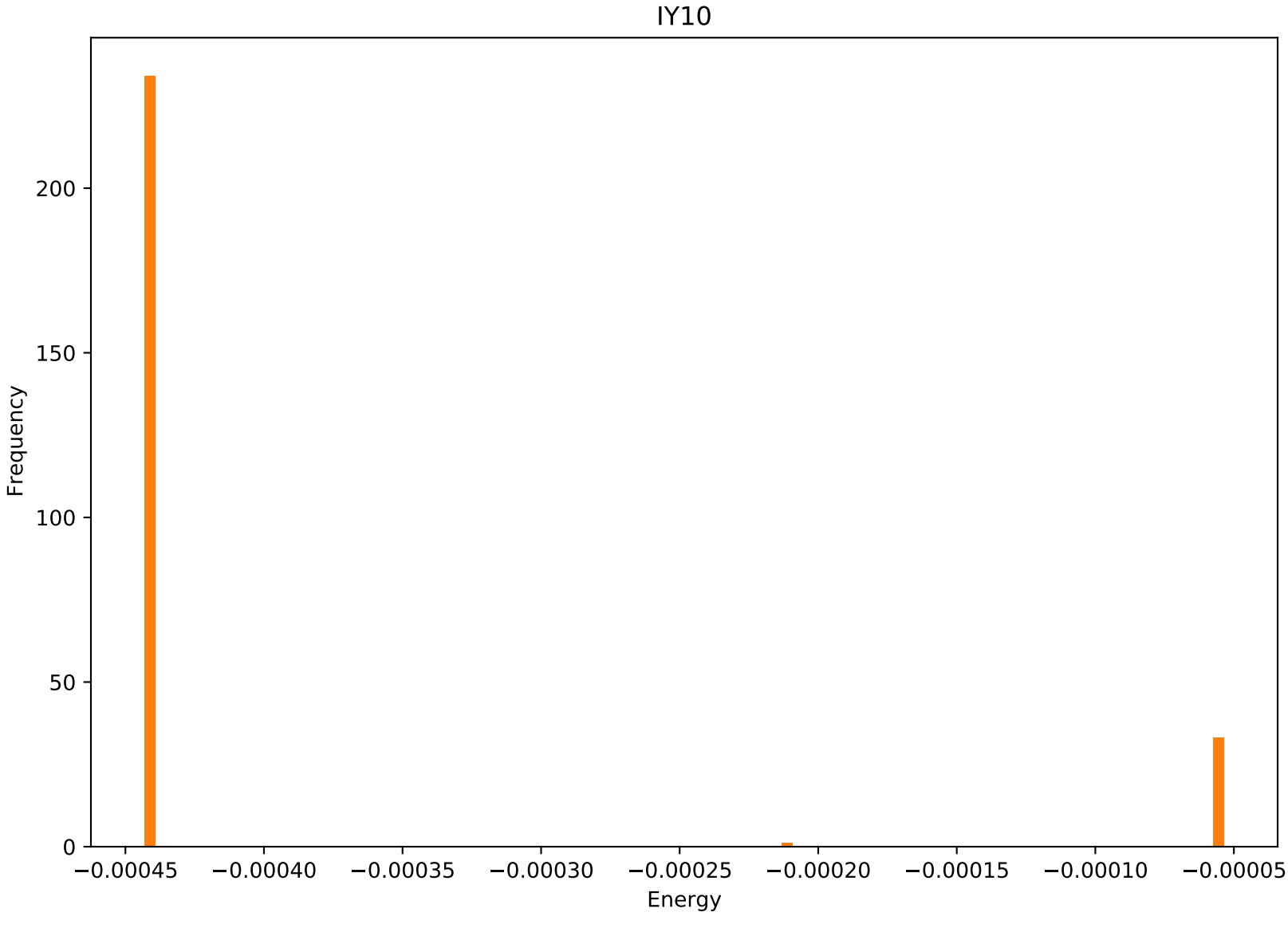

IW6
Frequency
Energy
0
20
40
60
80
100
120
140
160
−0.12
−0.11
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

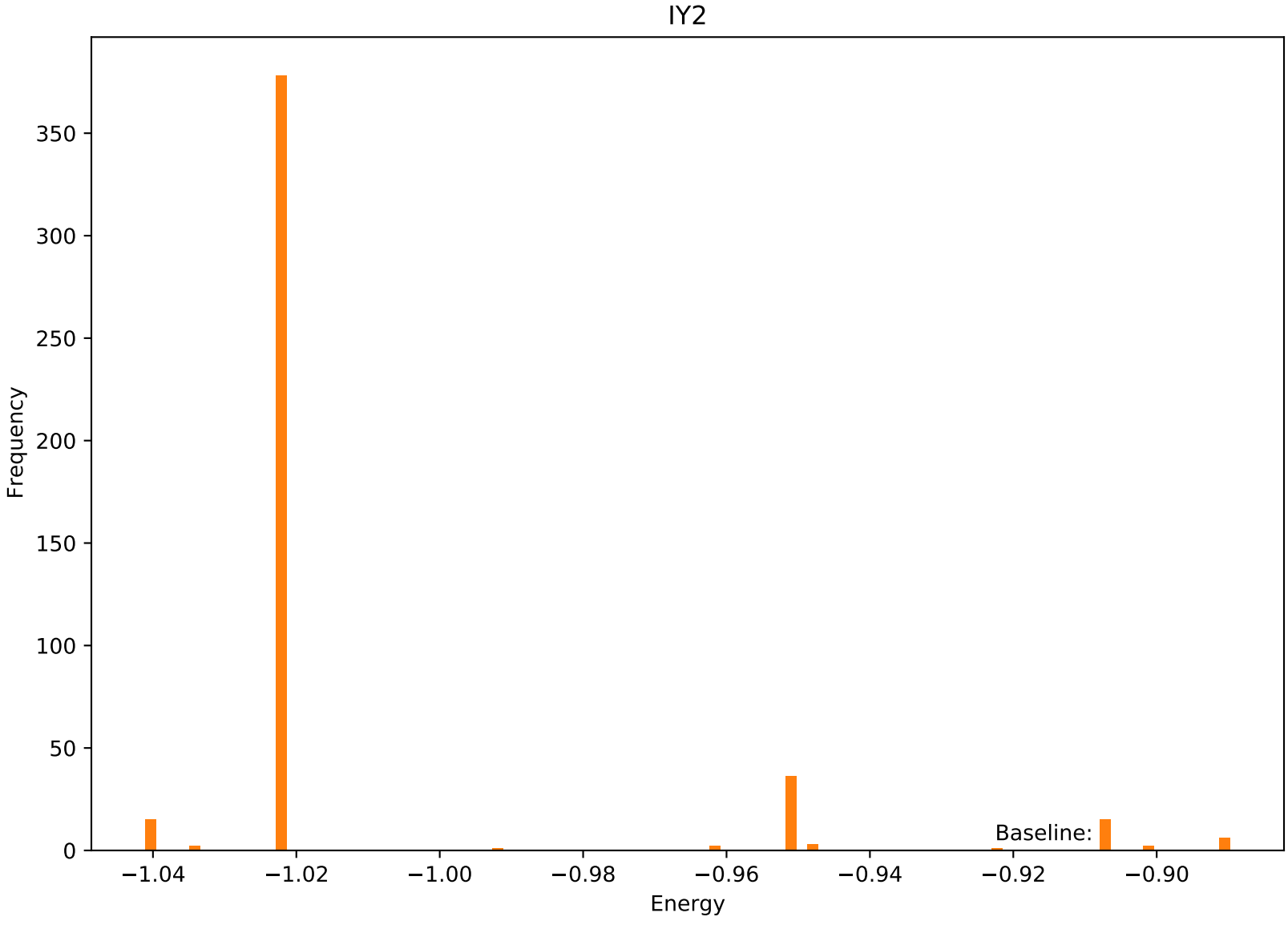

IW7
Frequency
Energy
Baseline:
-0.150058
0
20
40
60
80
100
120
140
160
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05

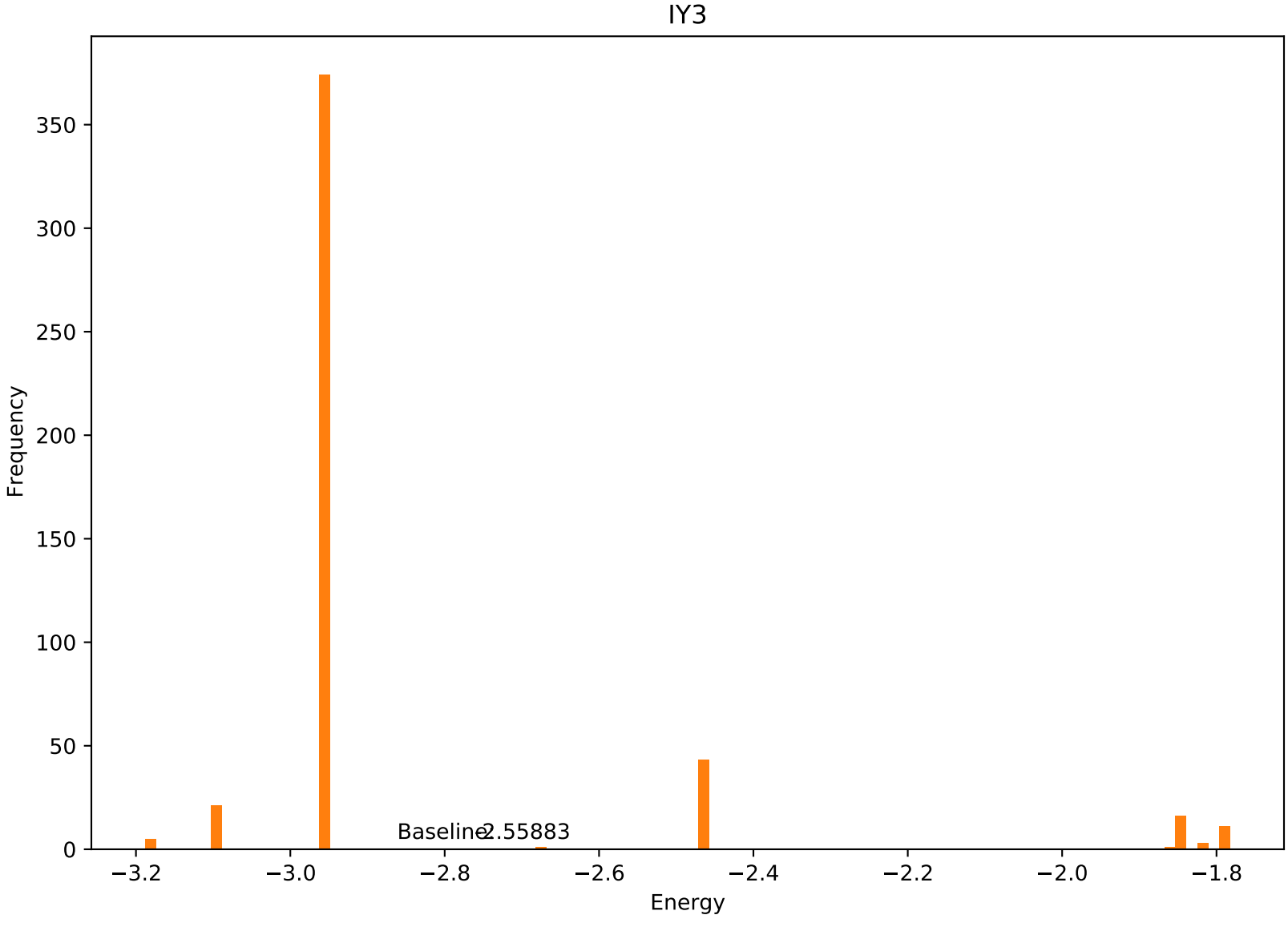

IW8
Frequency
Energy
0
20
40
60
80
100
120
140
−0.05
−0.04
−0.03
−0.02
−0.01

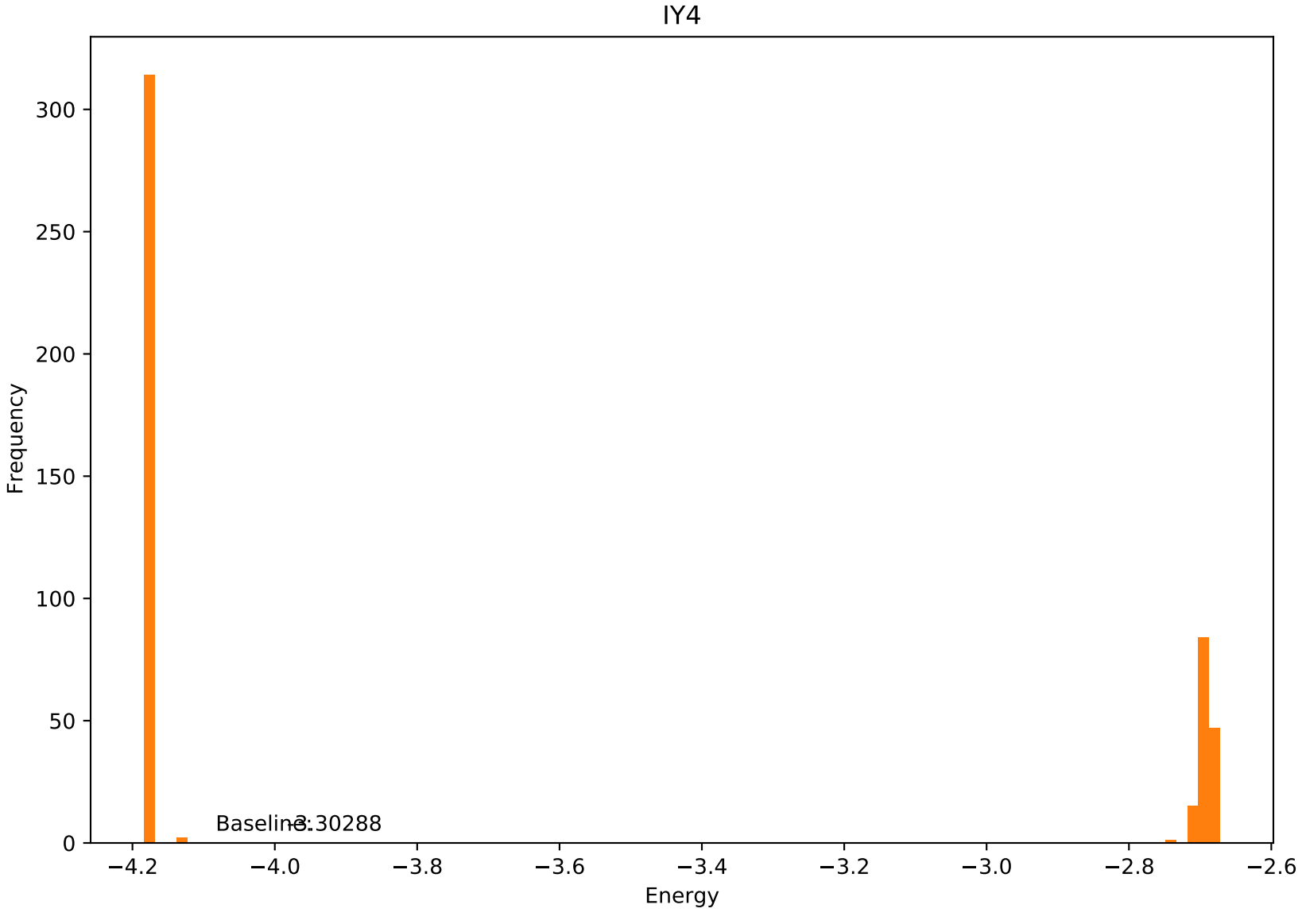

IW9
Frequency
Energy
0
20
40
60
80
100
120
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

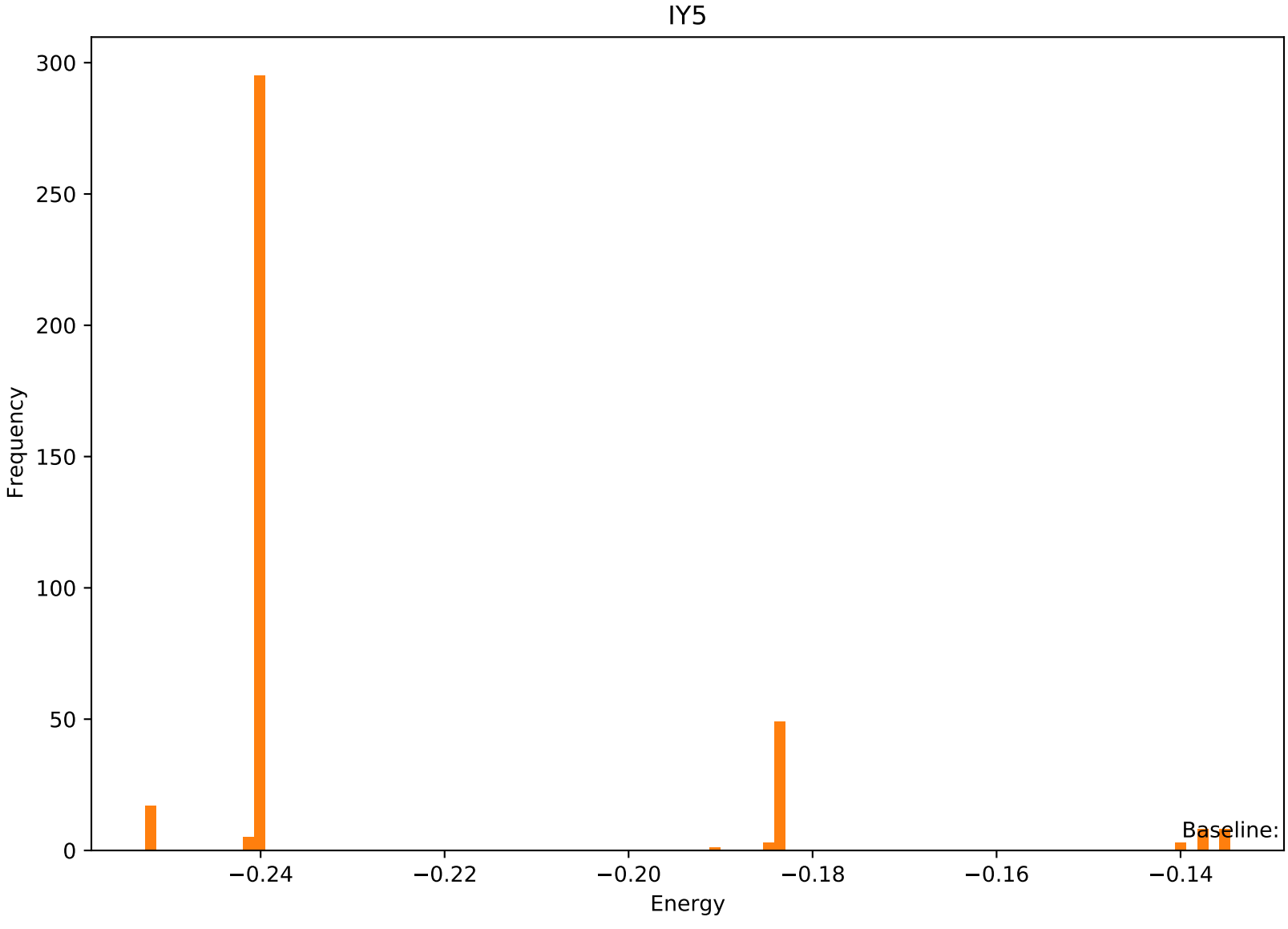

IY1
Frequency
Energy
Baseline: 1.25801
0
50
100
150
200
250
300
350
400
0.9
1.0
1.1
1.2
1.3
1.4
1.5

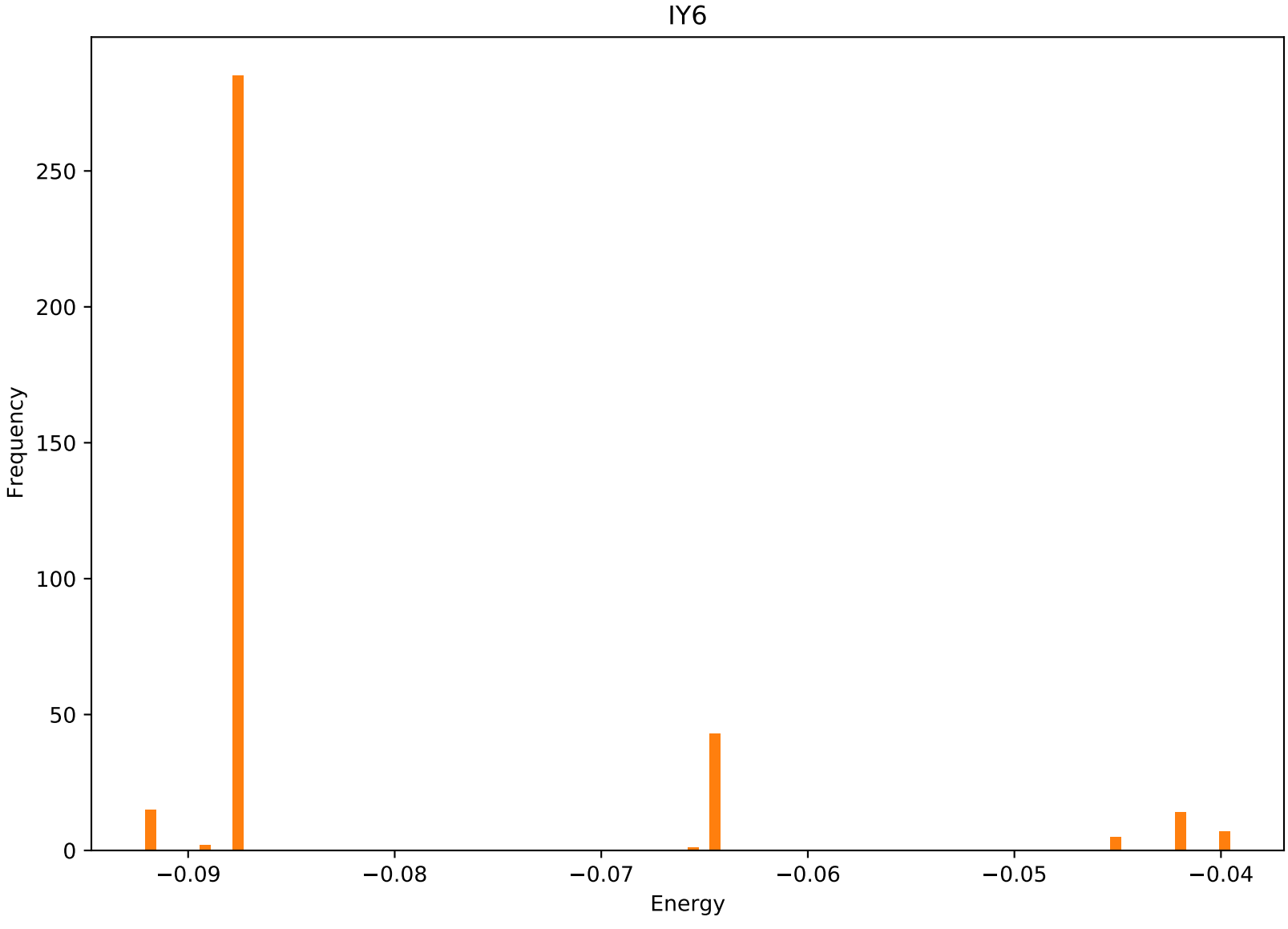

IY10
Frequency
200
150
100
50
0
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy

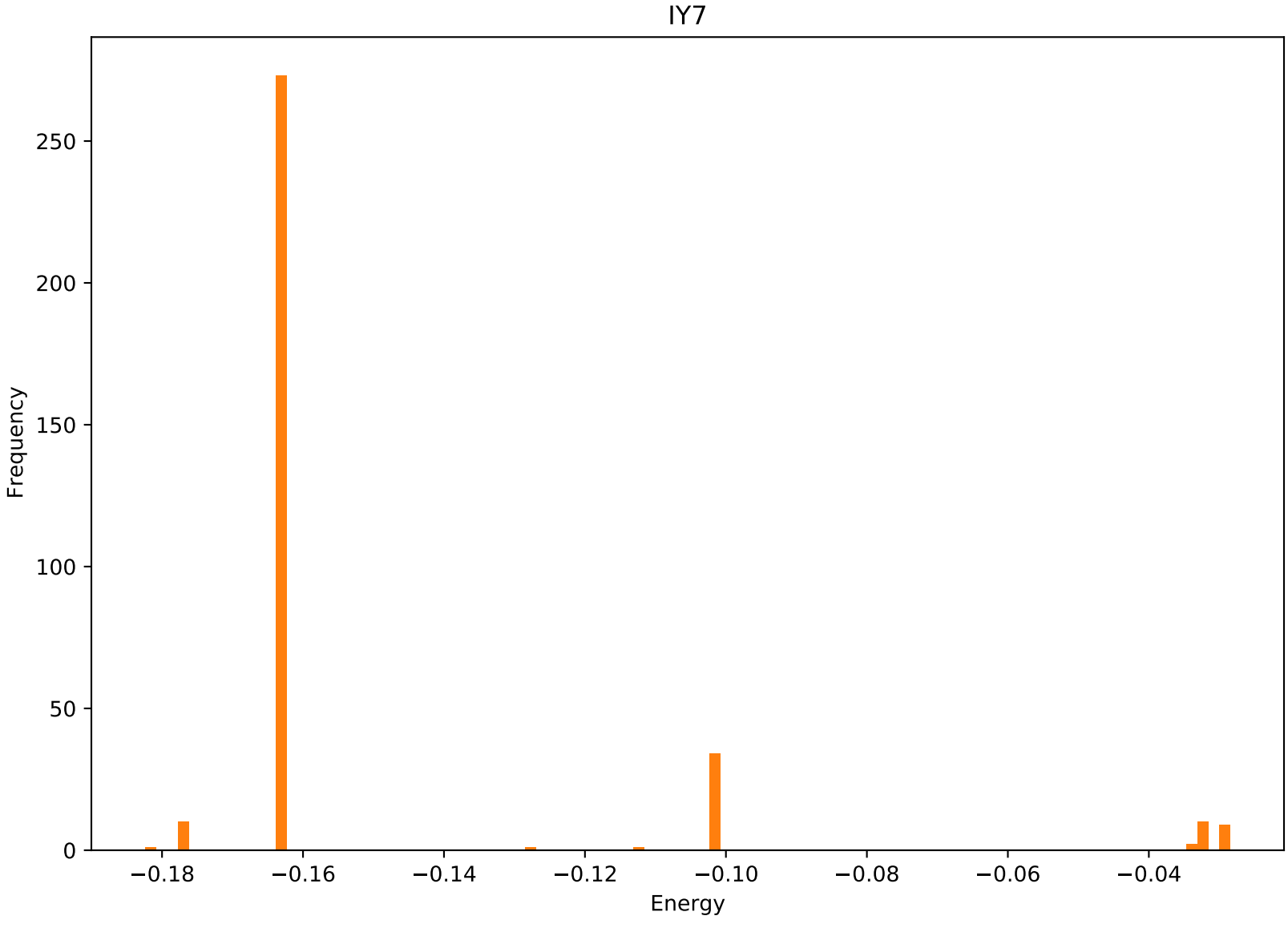

IY2
Frequency
350
300
250
200
150
100
50
0
−1.04
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
Energy
Baseline:

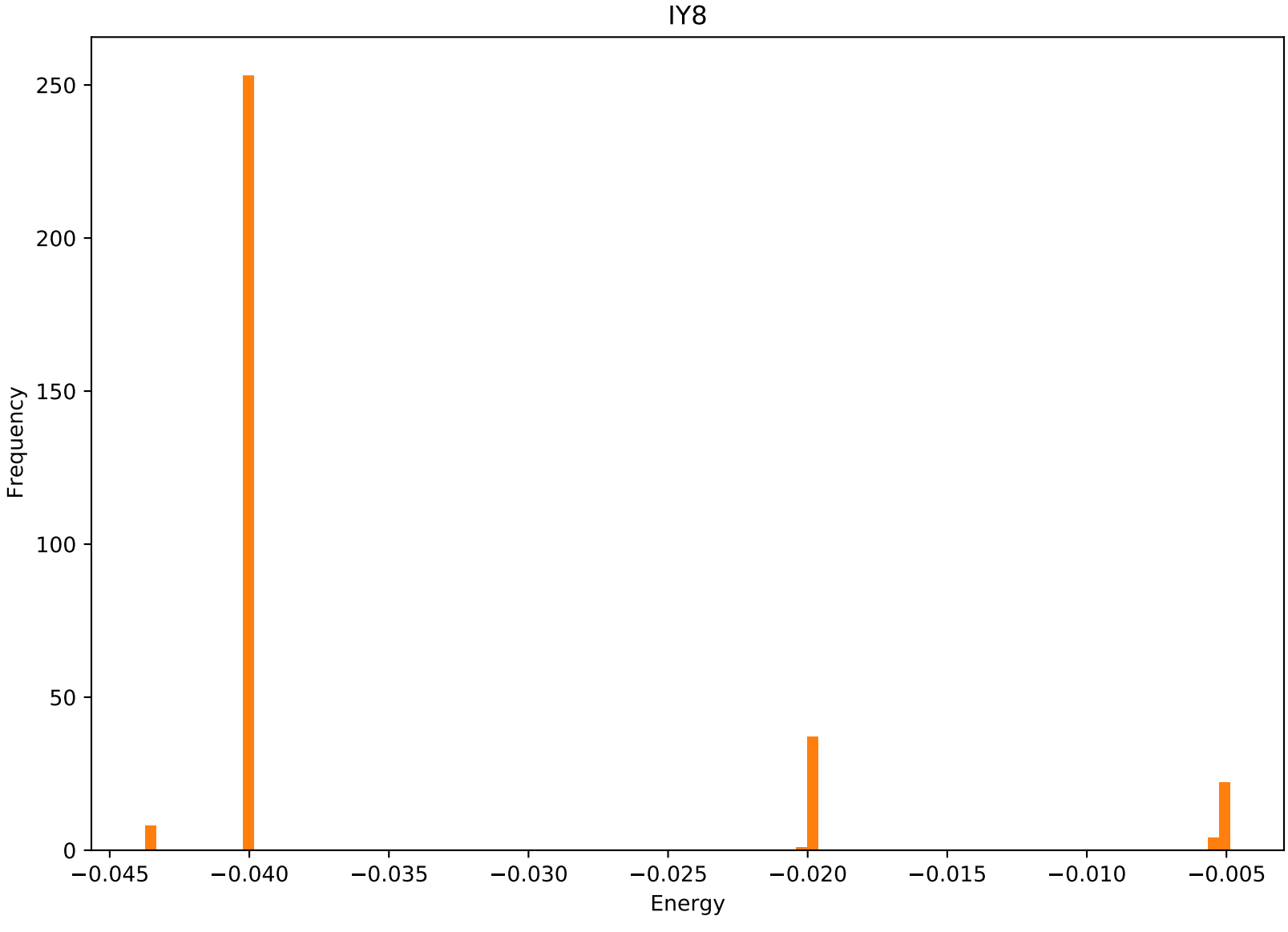

IY3
Frequency
Energy
Baseline
2.55883
0
50
100
150
200
250
300
350
−3.2
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

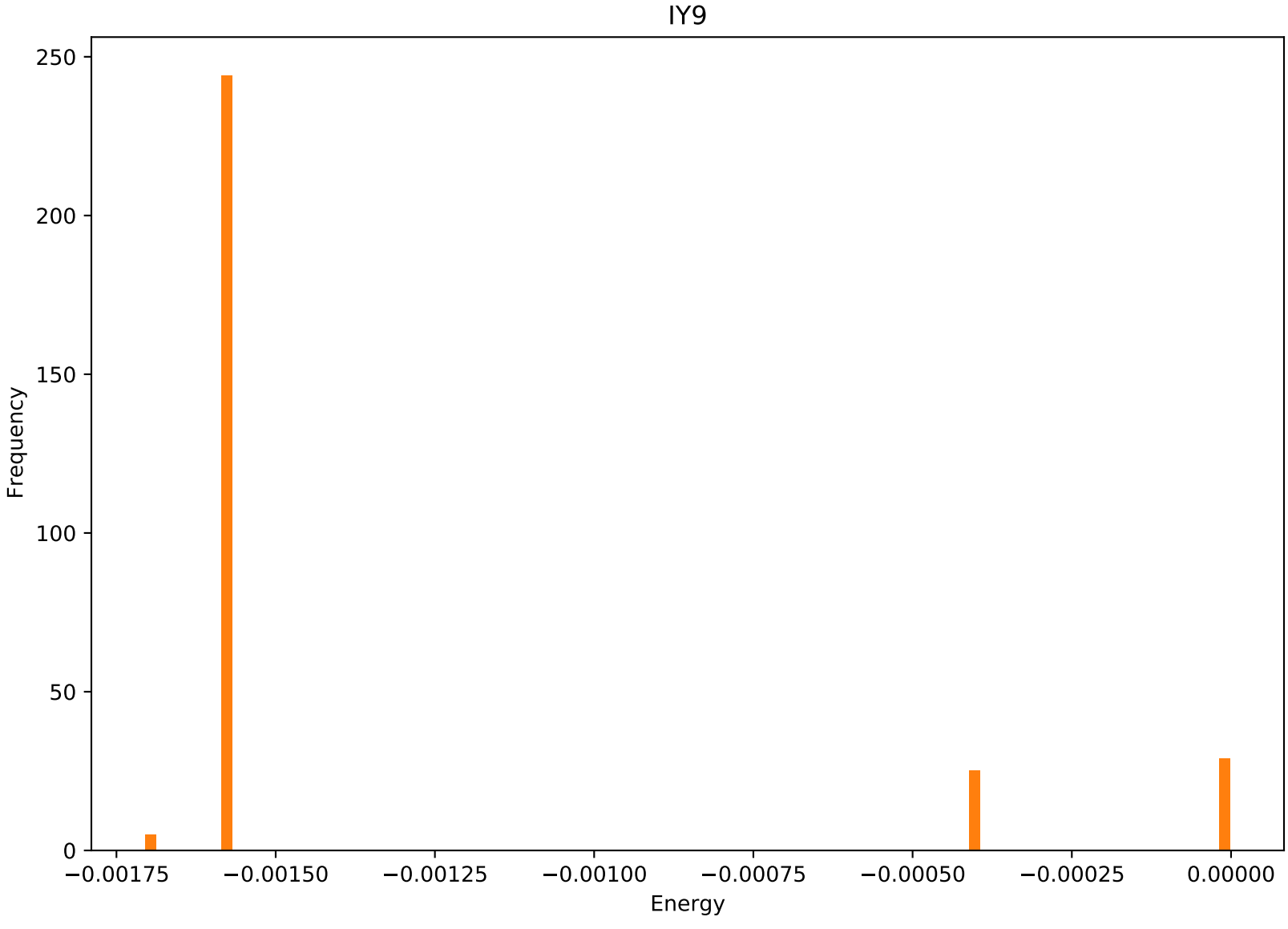

IY4
Frequency
Energy
Baseline: -3.30288
300
250
200
150
100
50
0
−4.2
−4.0
−3.8
−3.6
−3.4
−3.2
−3.0
−2.8
−2.6

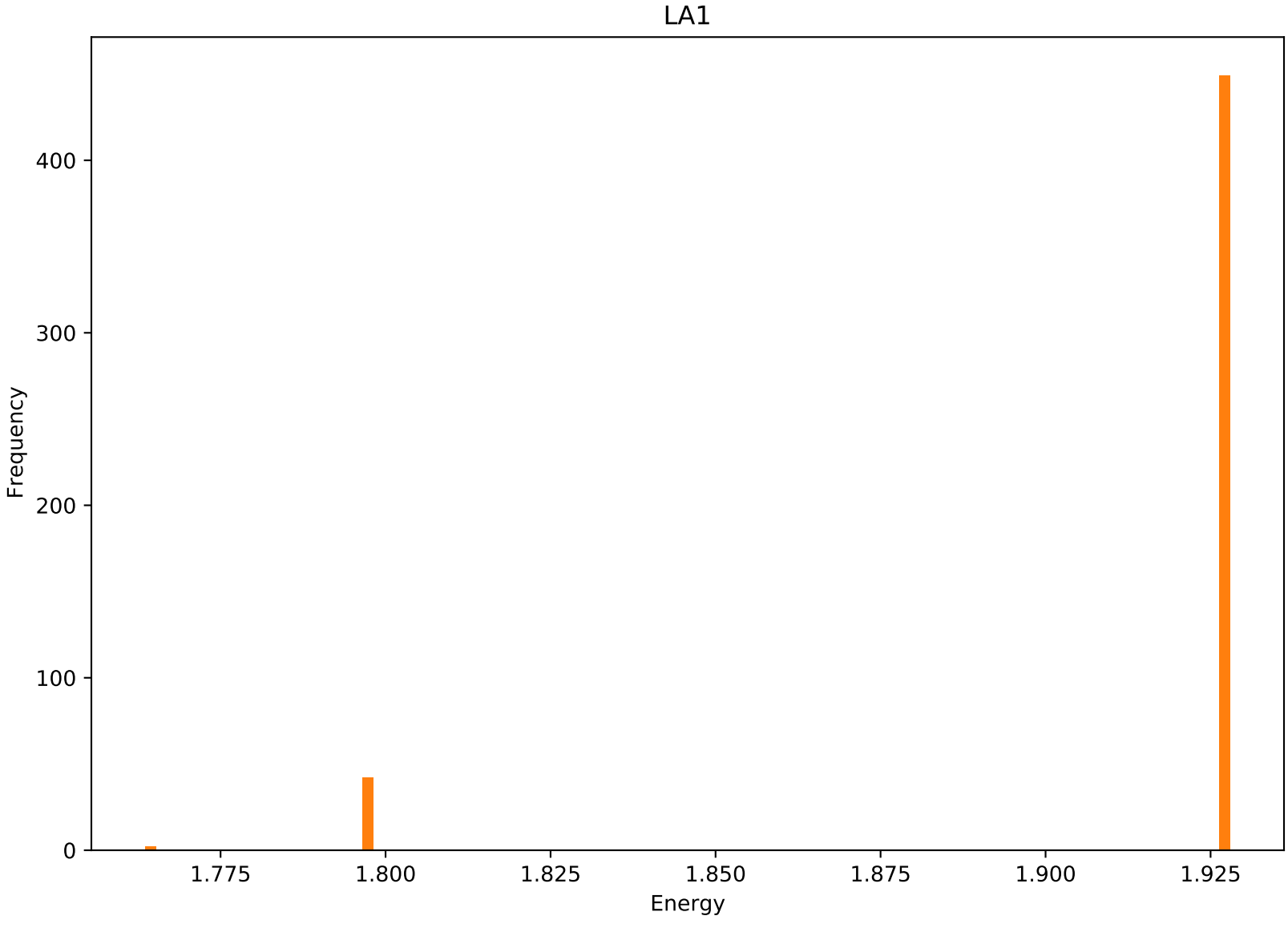

IY5
300
250
200
150
100
50
0
Frequency
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
Energy
Baseline:

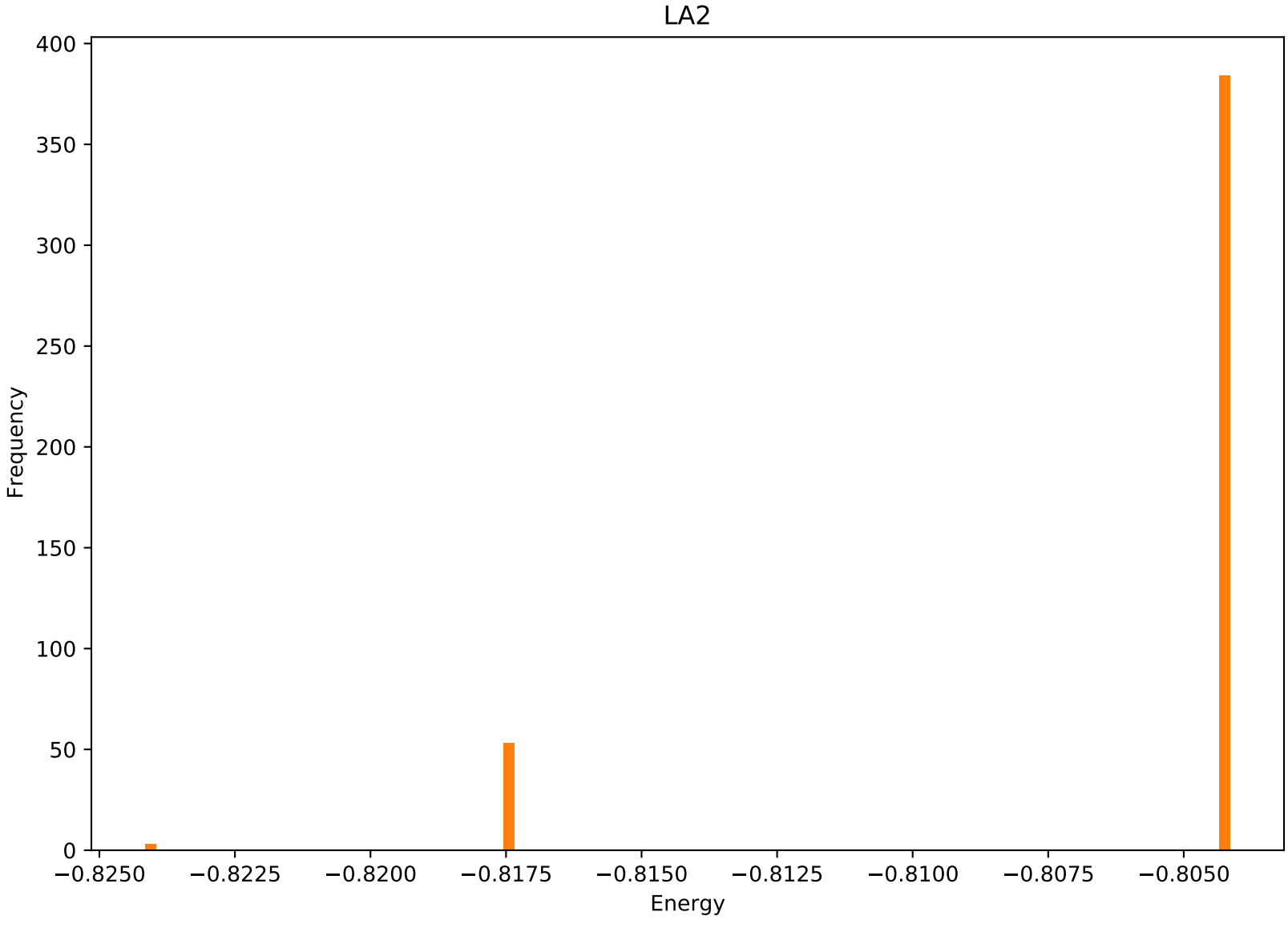

IY6
Frequency
250
200
150
100
50
0
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

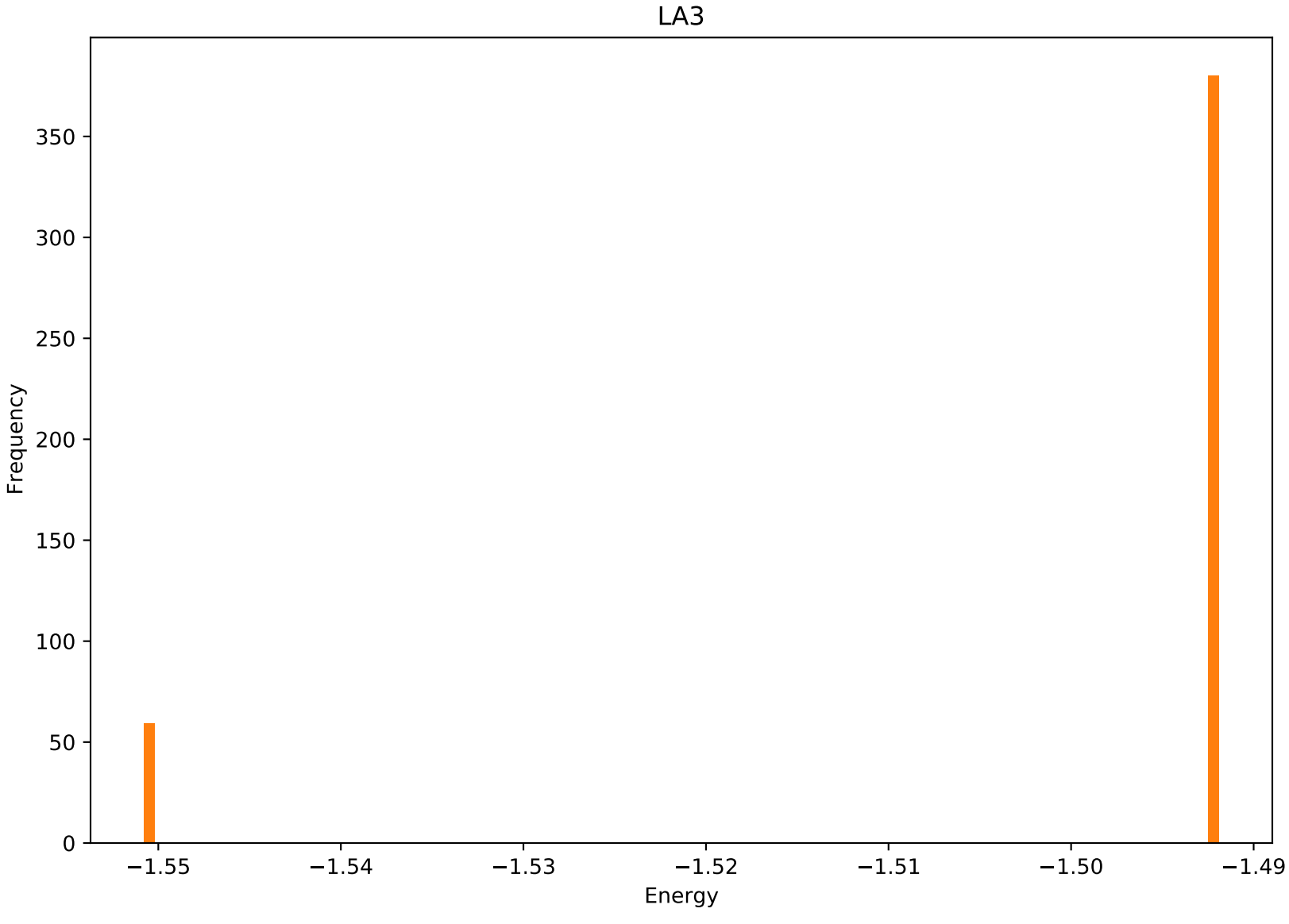

IY7
Frequency
250
200
150
100
50
0
−0.18
−0.16
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

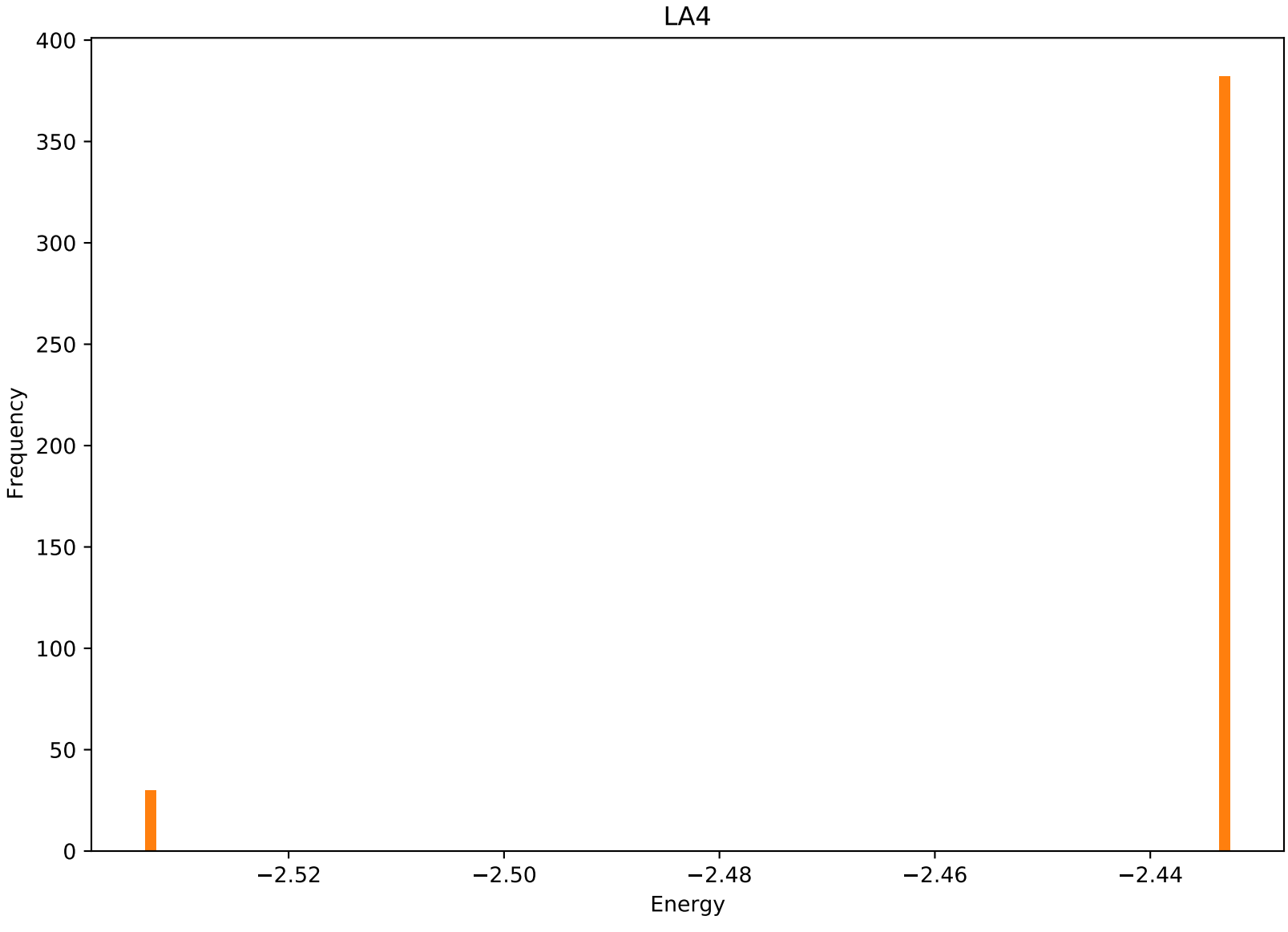

IY8
Frequency
Energy
250
200
150
100
50
0
−0.045
−0.040
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005

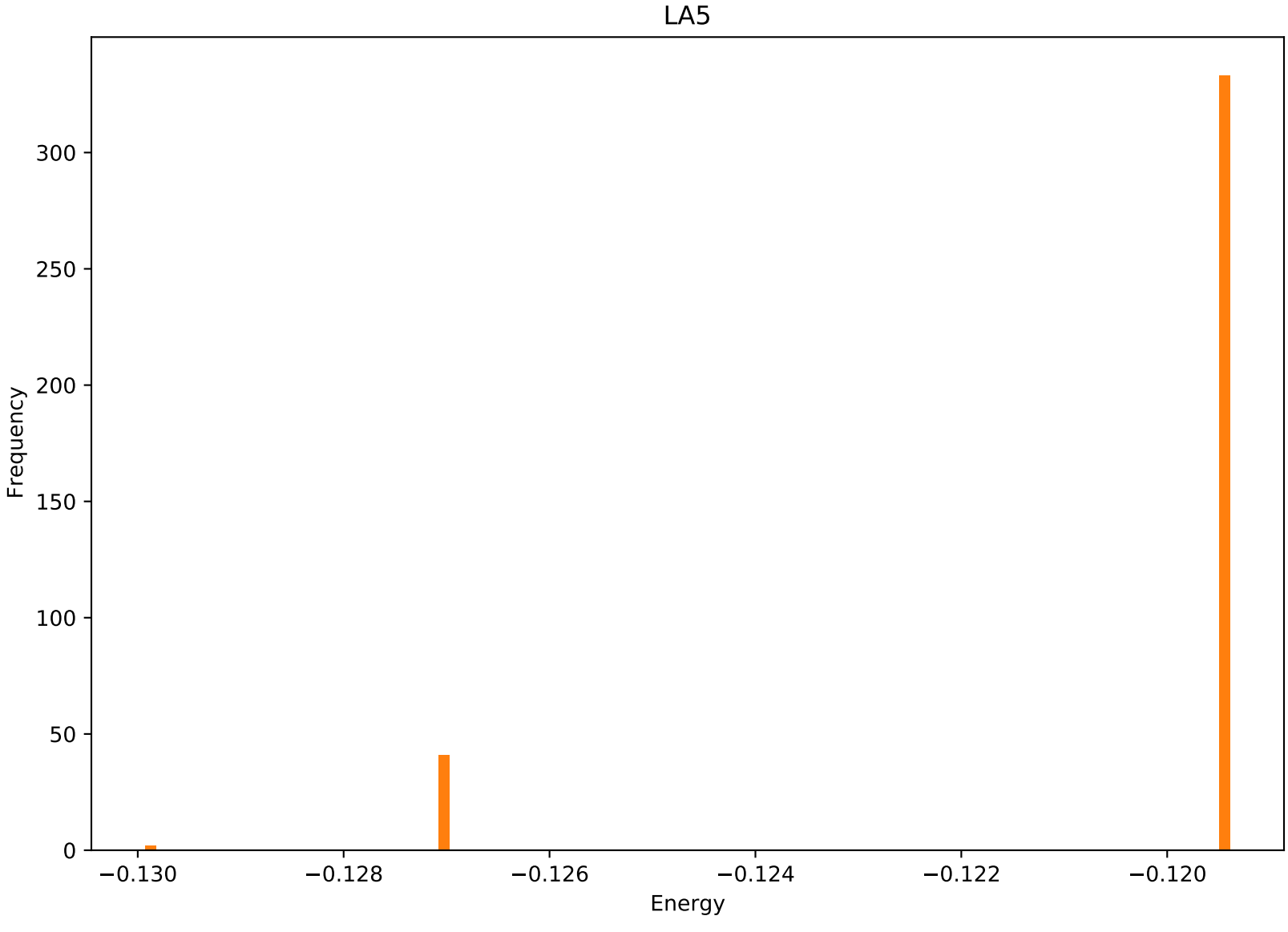

IY9
250
200
150
100
50
0
Frequency
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000
Energy

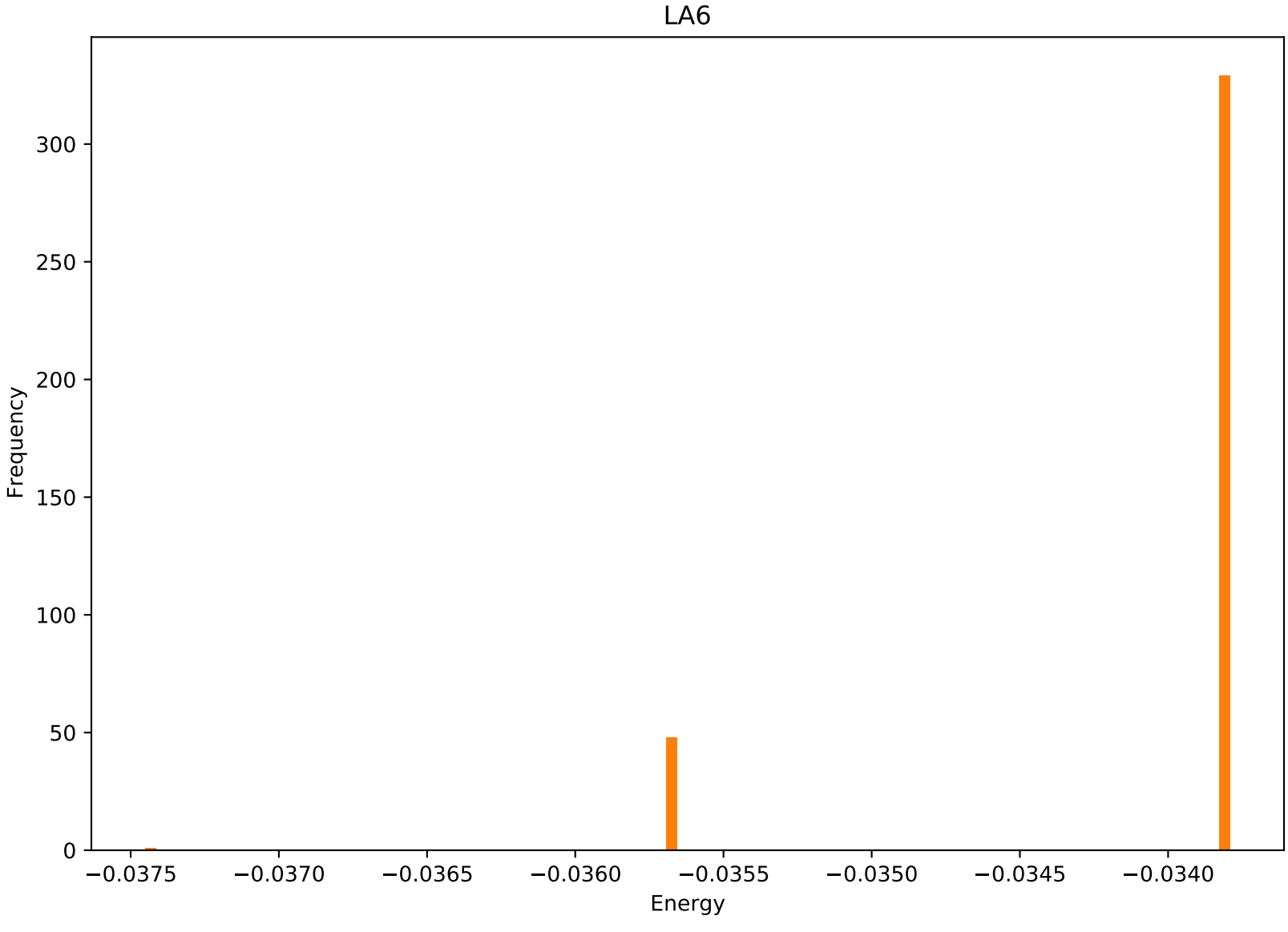

LA1
Frequency
0
100
200
300
400
1.775
1.800
1.825
1.850
1.875
1.900
1.925
Energy

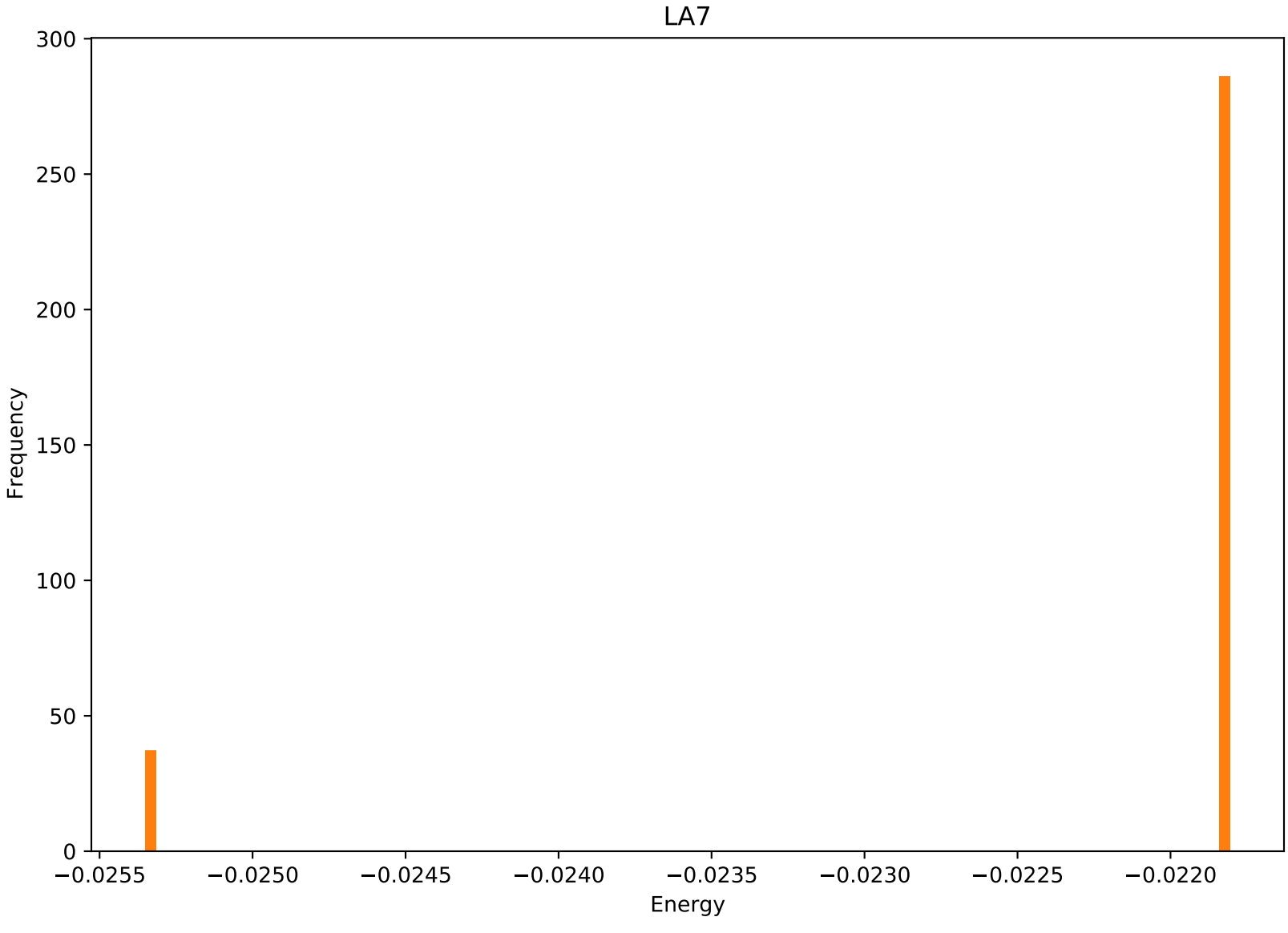

LA2
Frequency
Energy
400
350
300
250
200
150
100
50
0
−0.8250
−0.8225
−0.8200
−0.8175
−0.8150
−0.8125
−0.8100
−0.8075
−0.8050

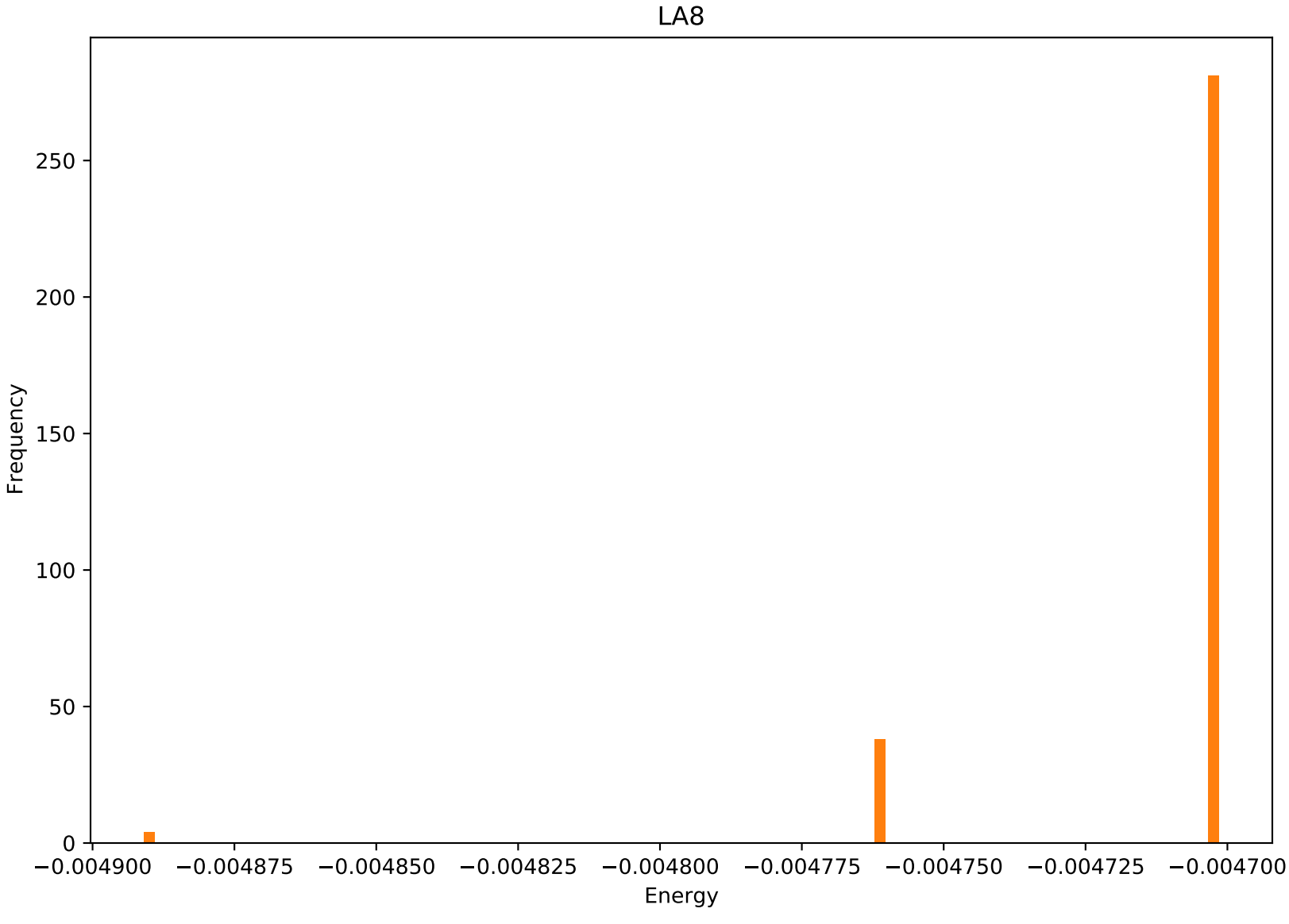

LA3
Frequency
Energy
0
50
100
150
200
250
300
350
−1.55
−1.54
−1.53
−1.52
−1.51
−1.50
−1.49

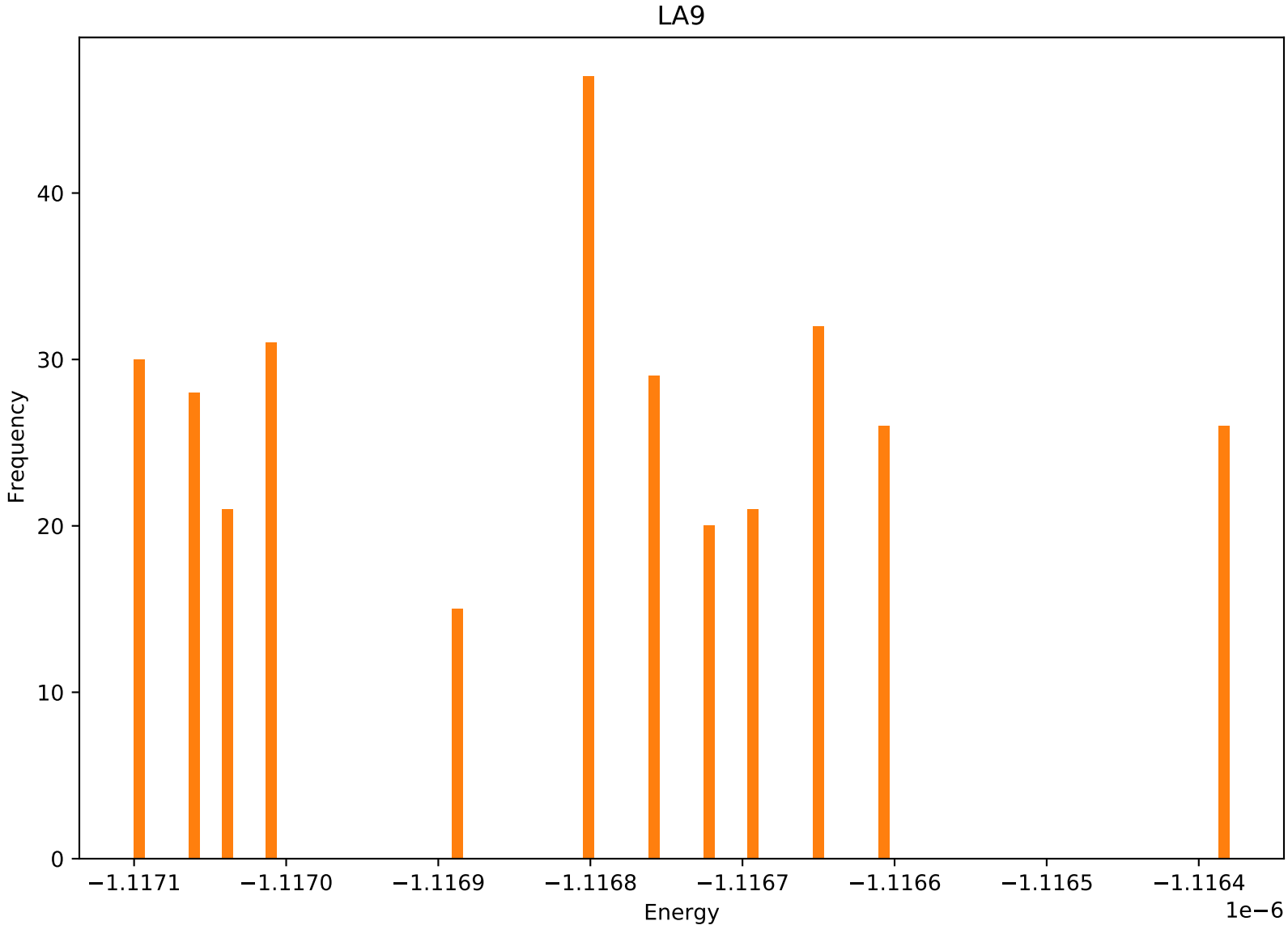

LA4
400
350
300
250
200
150
100
50
0
Frequency
−2.52
−2.50
−2.48
−2.46
−2.44
Energy

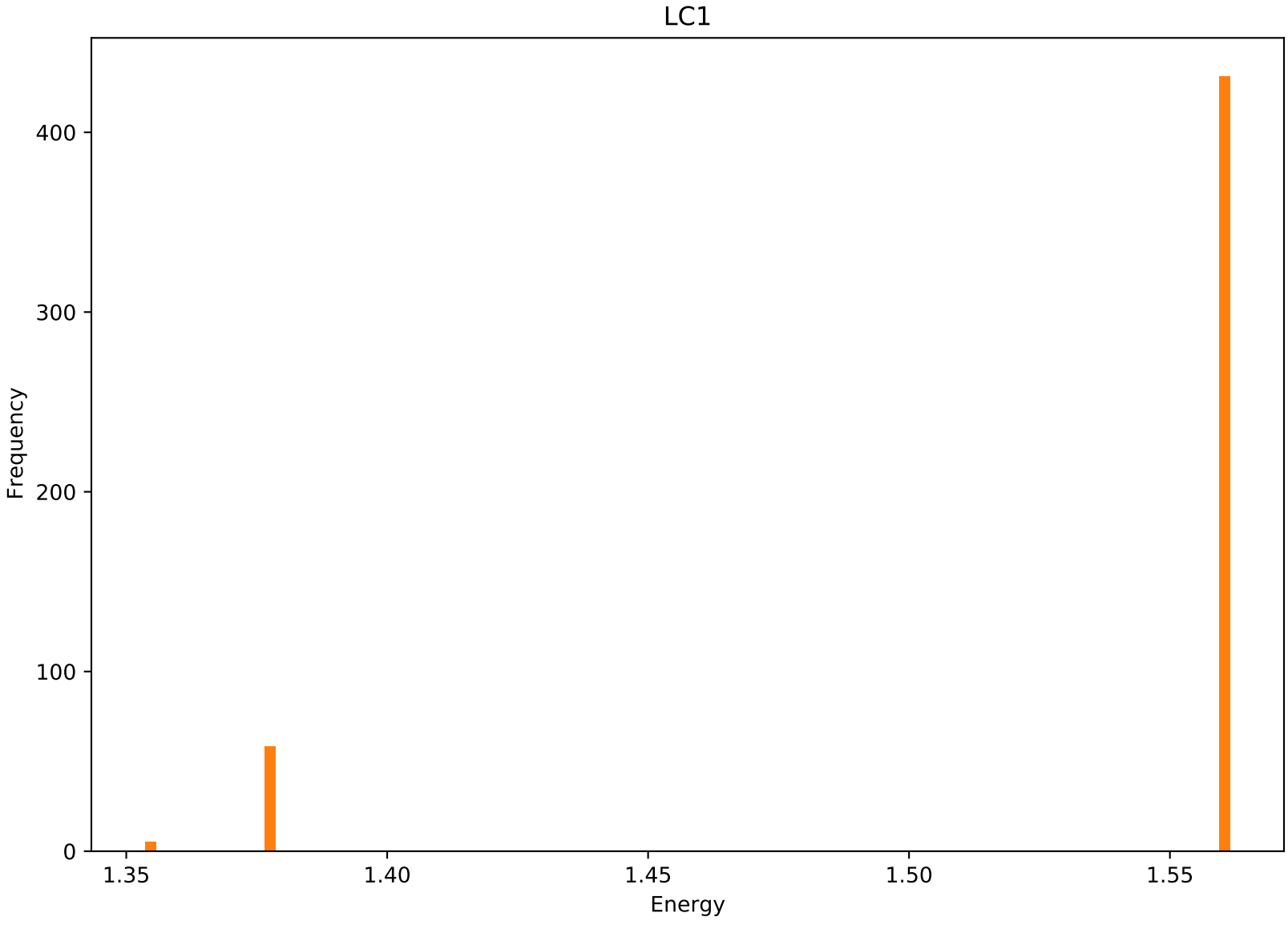

LA5
Frequency
0
50
100
150
200
250
300
−0.130
−0.128
−0.126
−0.124
−0.122
−0.120
Energy

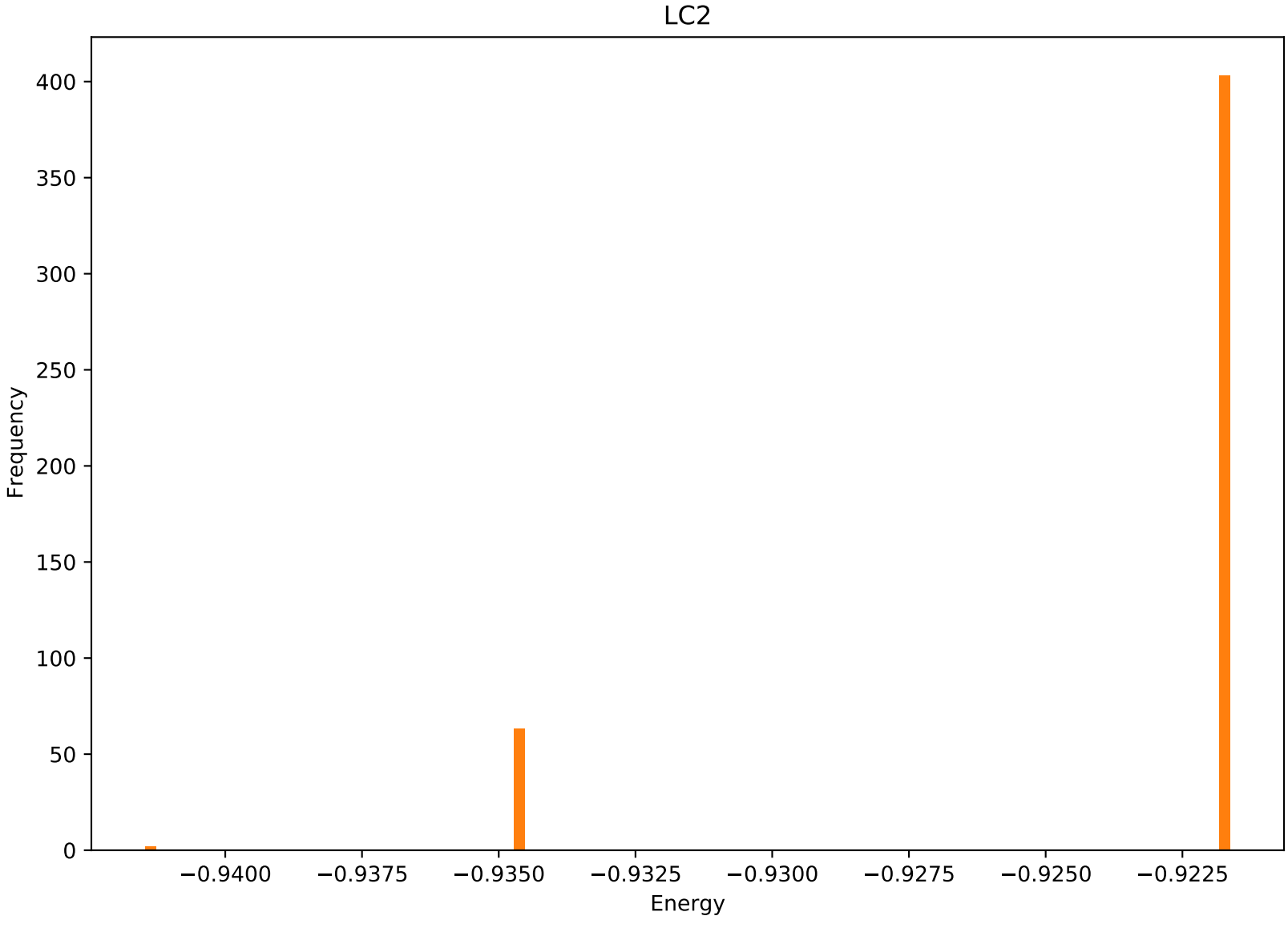

LA6
Frequency
300
250
200
150
100
50
0
−0.0375
−0.0370
−0.0365
−0.0360
−0.0355
−0.0350
−0.0345
−0.0340
Energy

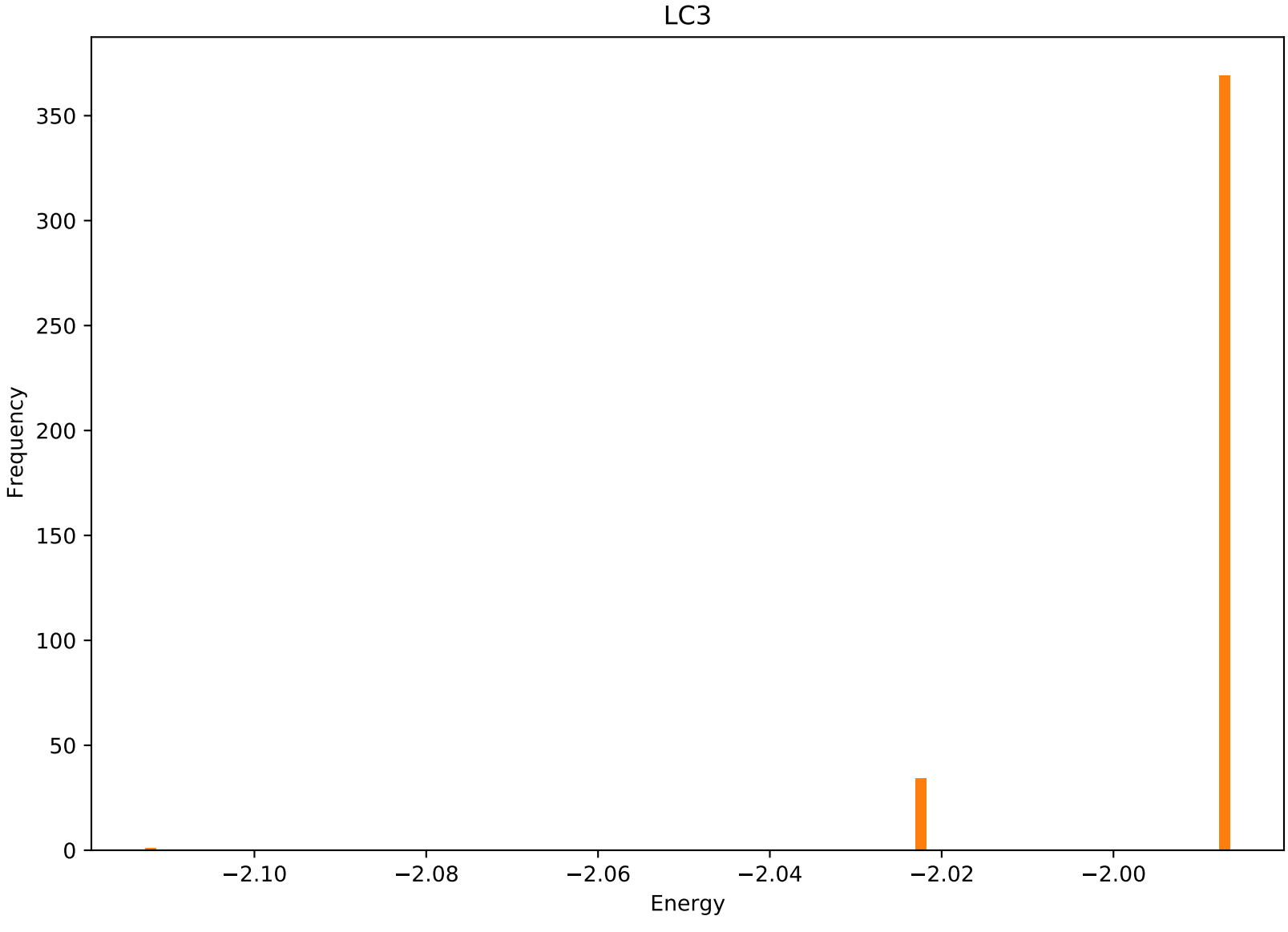

LA7
300
250
200
150
100
50
0
Frequency
−0.0255
−0.0250
−0.0245
−0.0240
−0.0235
−0.0230
−0.0225
−0.0220
Energy

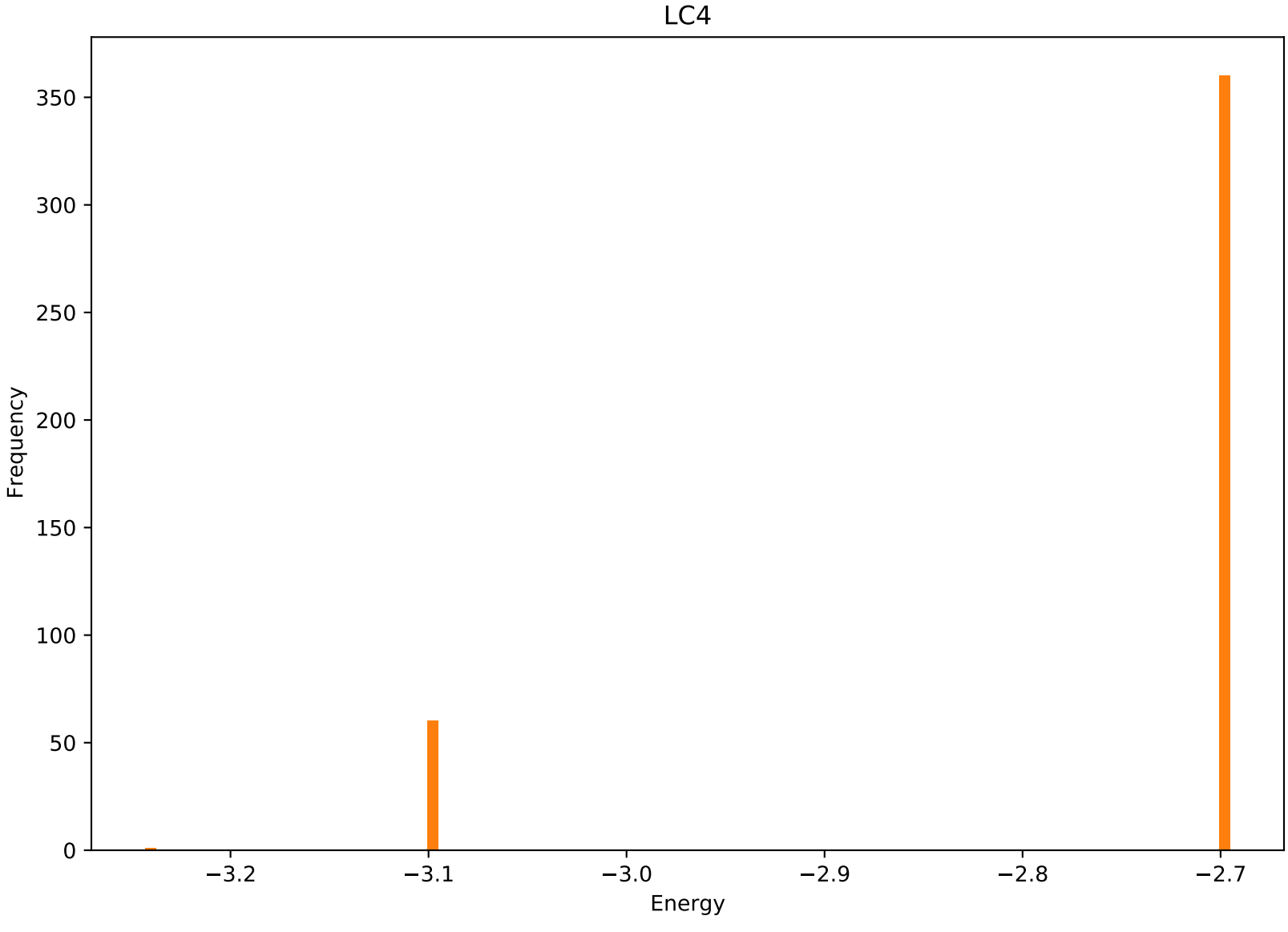

LA8
Frequency
0
50
100
150
200
250
−0.004900
−0.004875
−0.004850
−0.004825
−0.004800
−0.004775
−0.004750
−0.004725
−0.004700
Energy

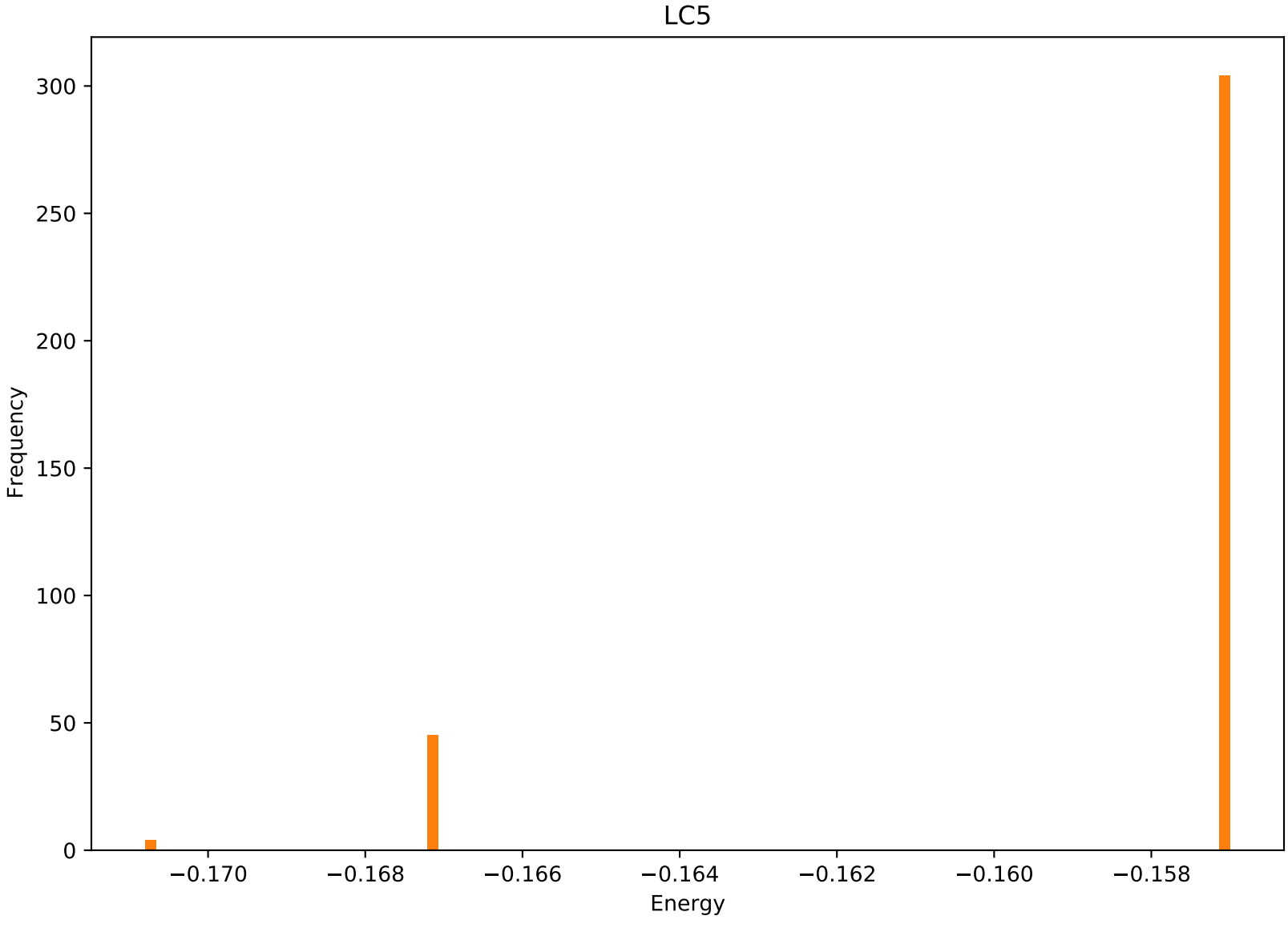

LA9
Frequency
0
10
20
30
40
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

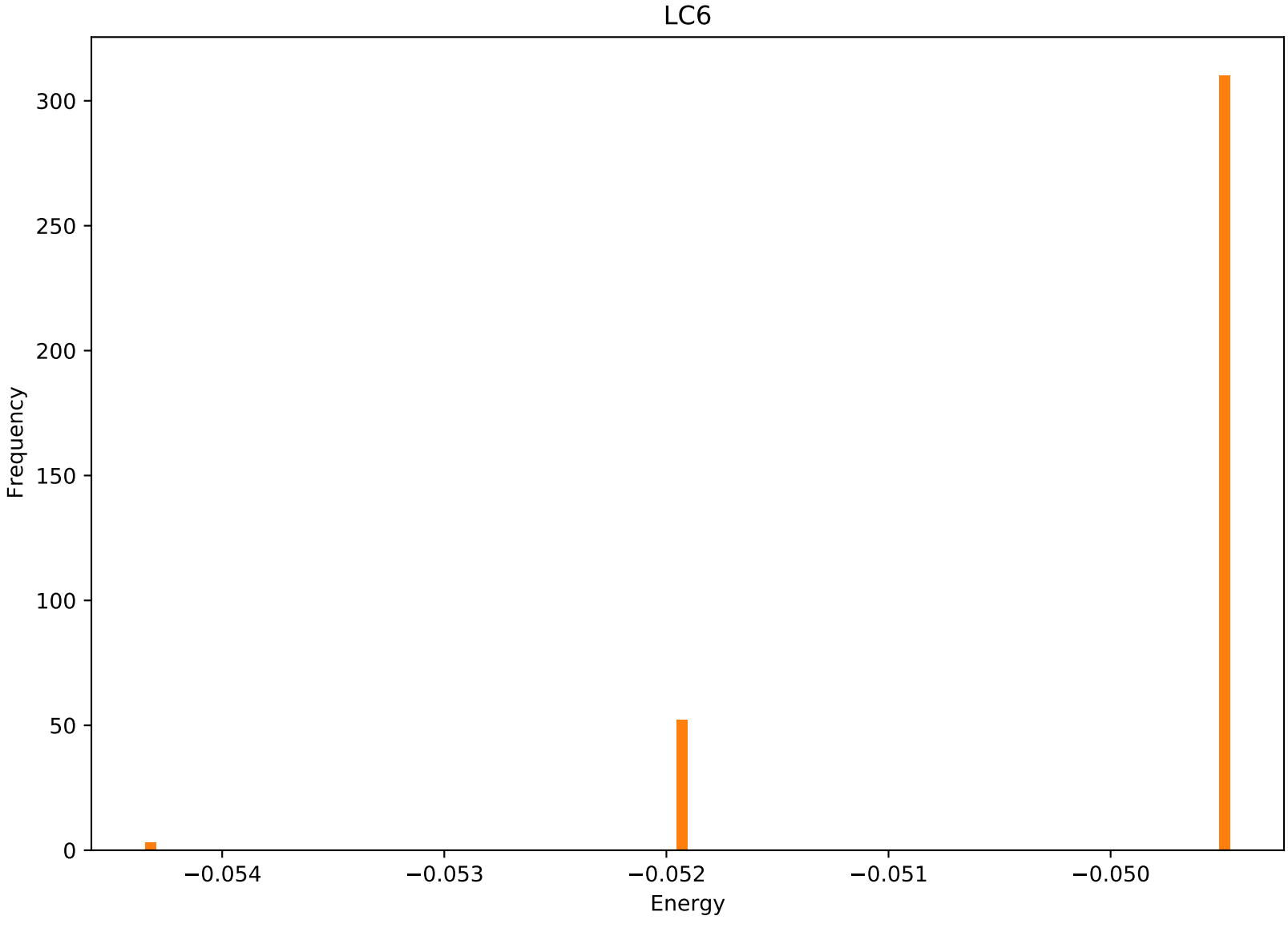

LC1
Frequency
0
100
200
300
400
1.35
1.40
1.45
1.50
1.55
Energy

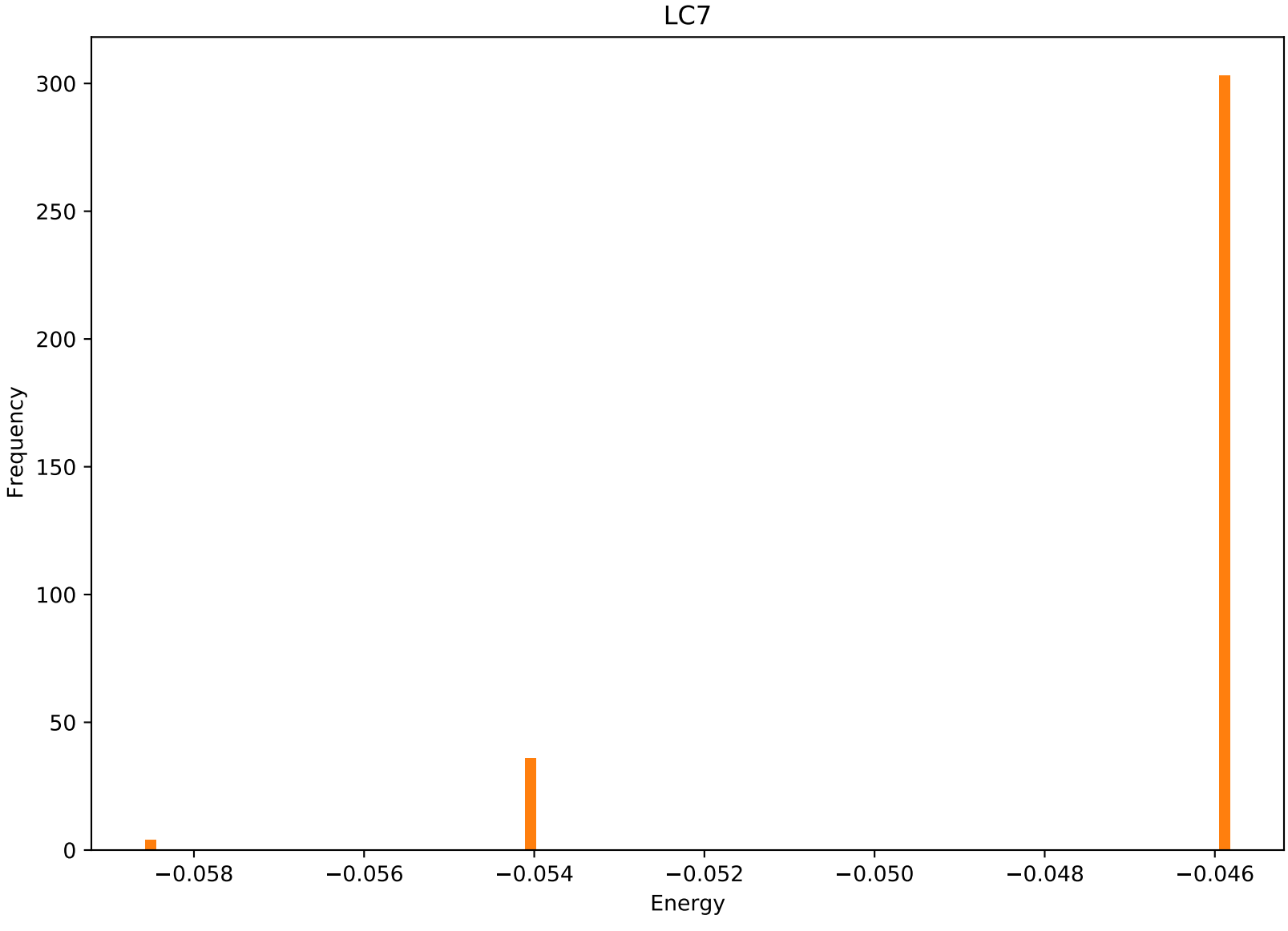

LC2
Frequency
0
50
100
150
200
250
300
350
400
−0.9400
−0.9375
−0.9350
−0.9325
−0.9300
−0.9275
−0.9250
−0.9225
Energy

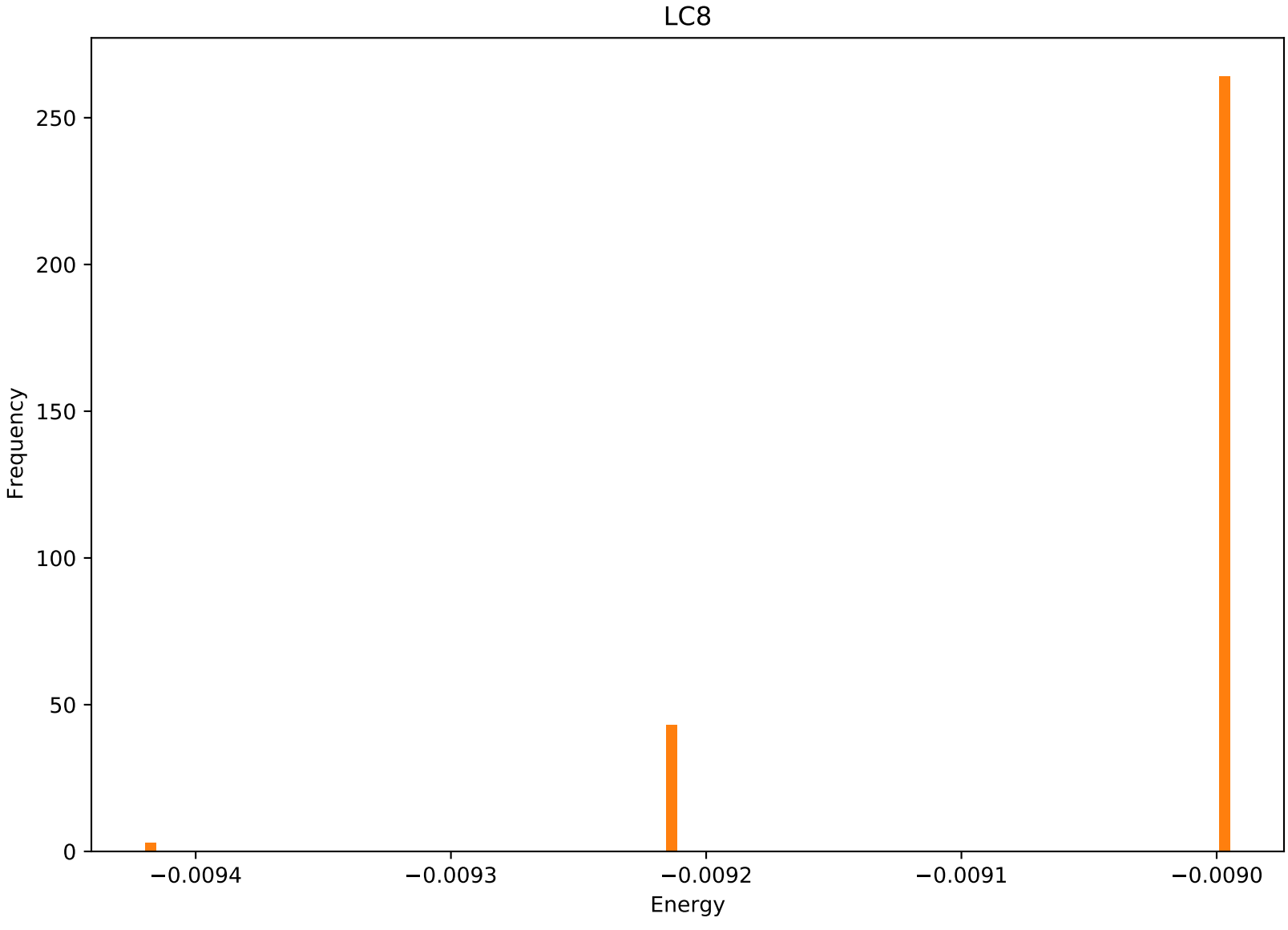

LC3
Frequency
350
300
250
200
150
100
50
0
−2.10
−2.08
−2.06
−2.04
−2.02
−2.00
Energy

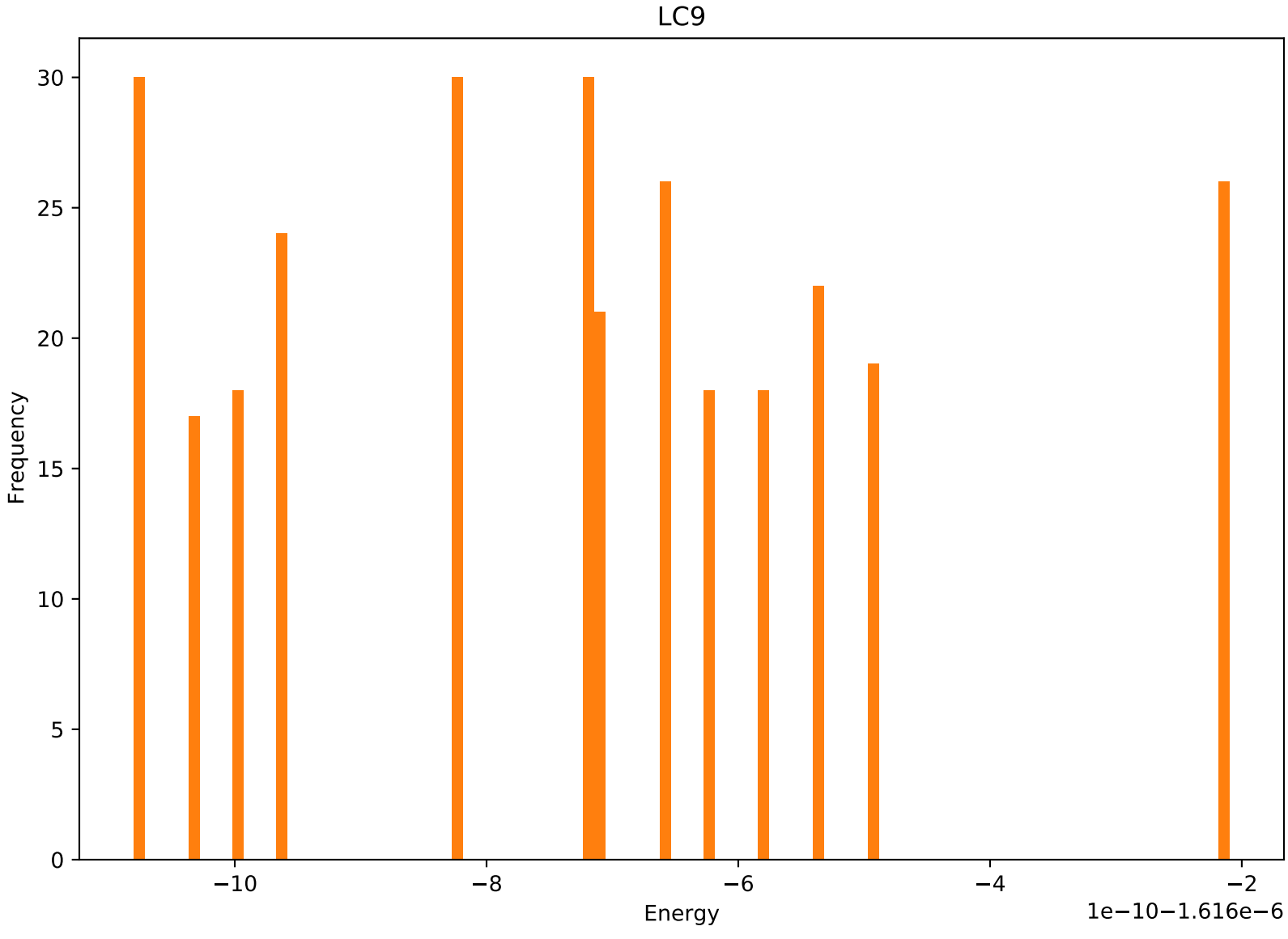

LC4
Frequency
350
300
250
200
150
100
50
0
−3.2
−3.1
−3.0
−2.9
−2.8
−2.7
Energy

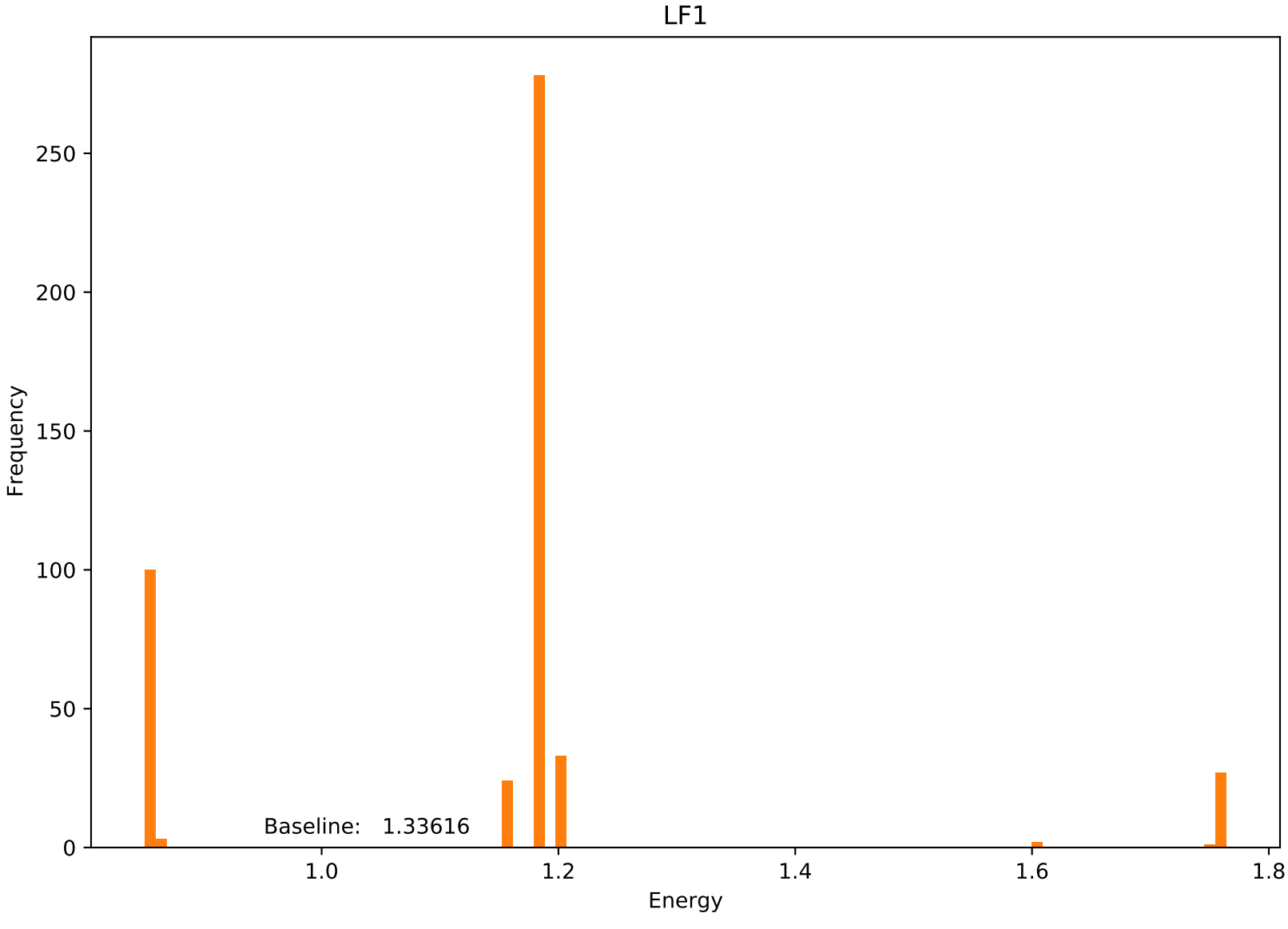

LC5
Frequency
Energy
300
250
200
150
100
50
0
−0.170
−0.168
−0.166
−0.164
−0.162
−0.160
−0.158

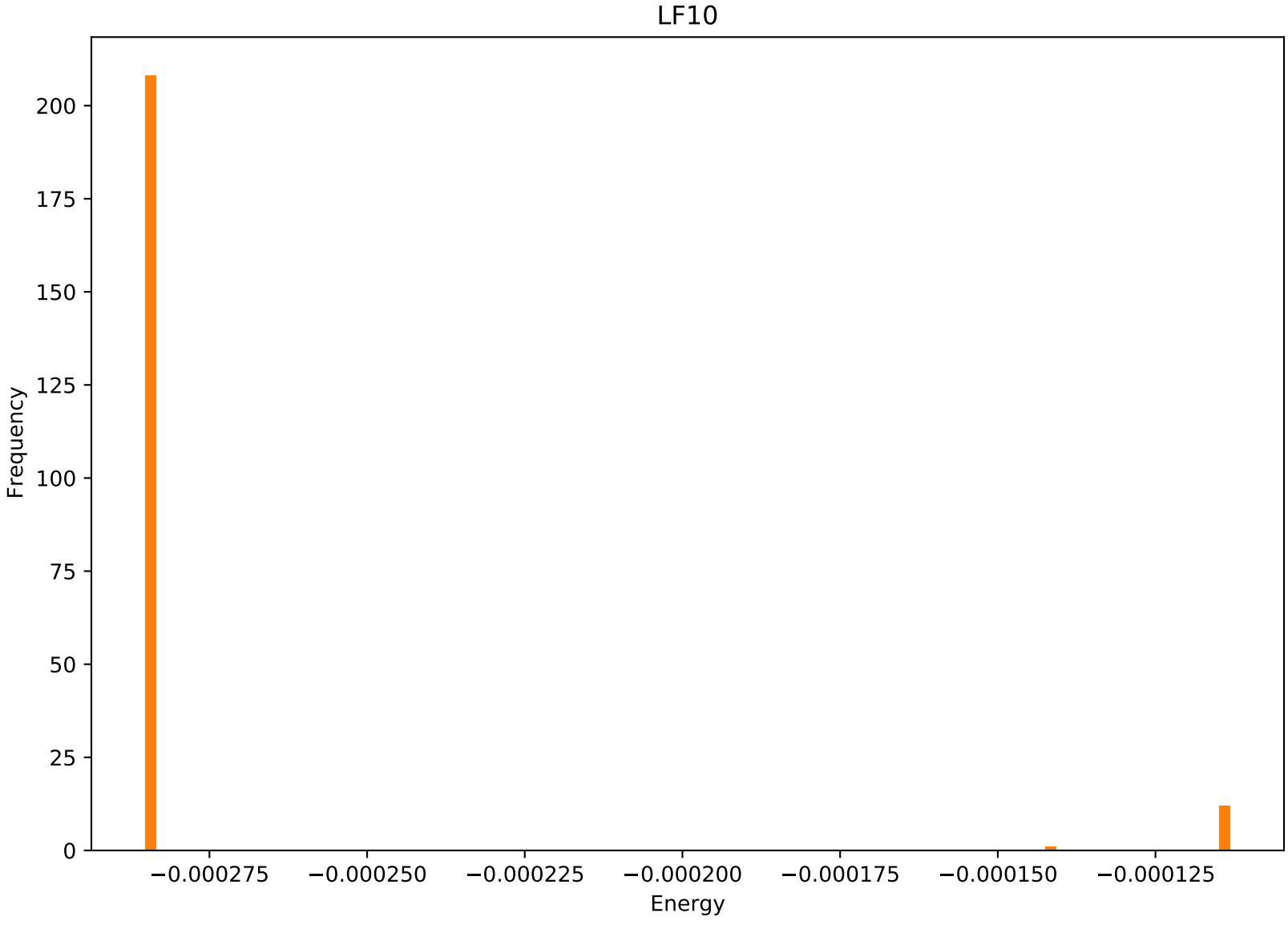

LC6
Frequency
300
250
200
150
100
50
0
−0.054
−0.053
−0.052
−0.051
−0.050
Energy

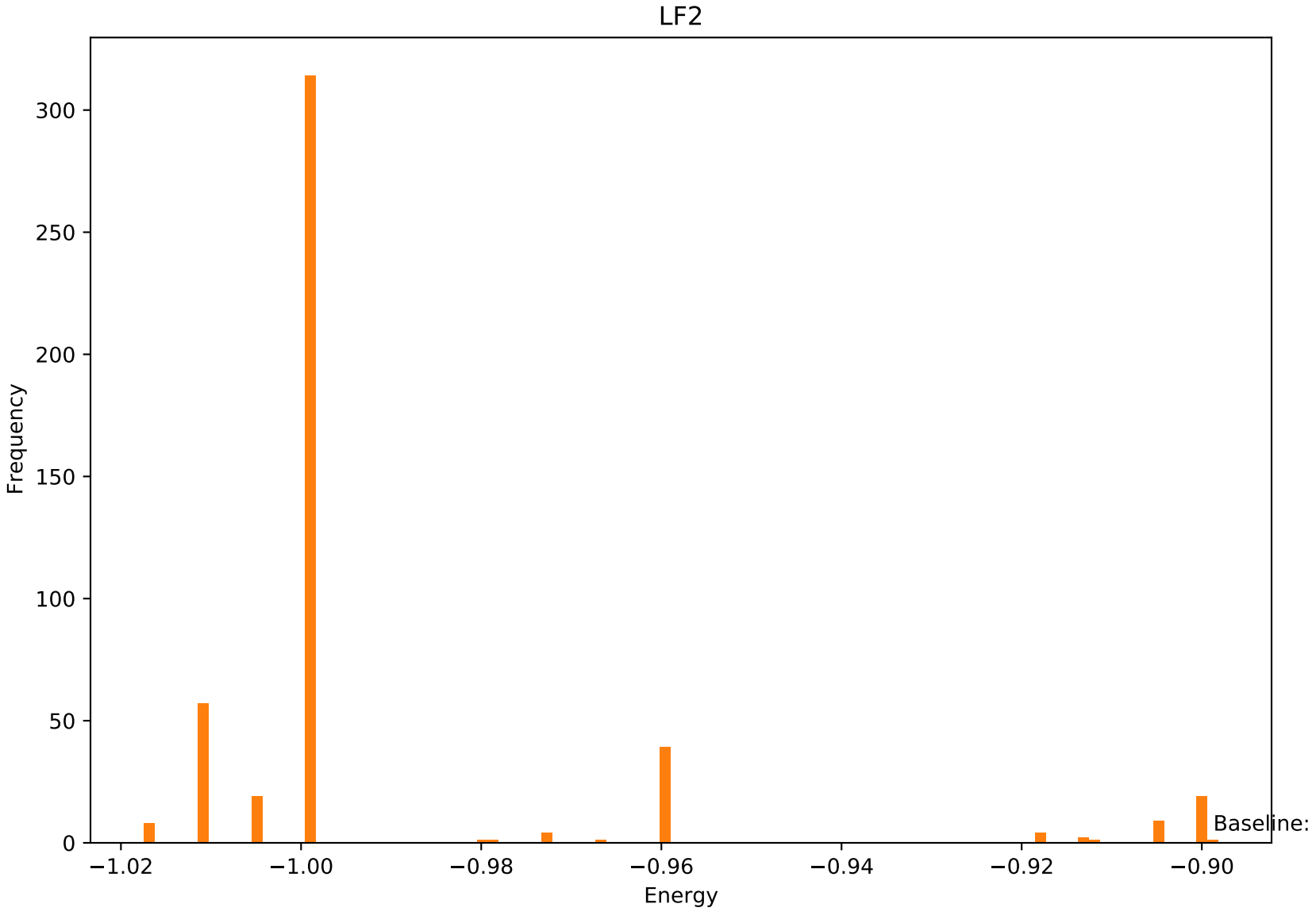

LC7
Frequency
300
250
200
150
100
50
0
−0.058
−0.056
−0.054
−0.052
−0.050
−0.048
−0.046
Energy

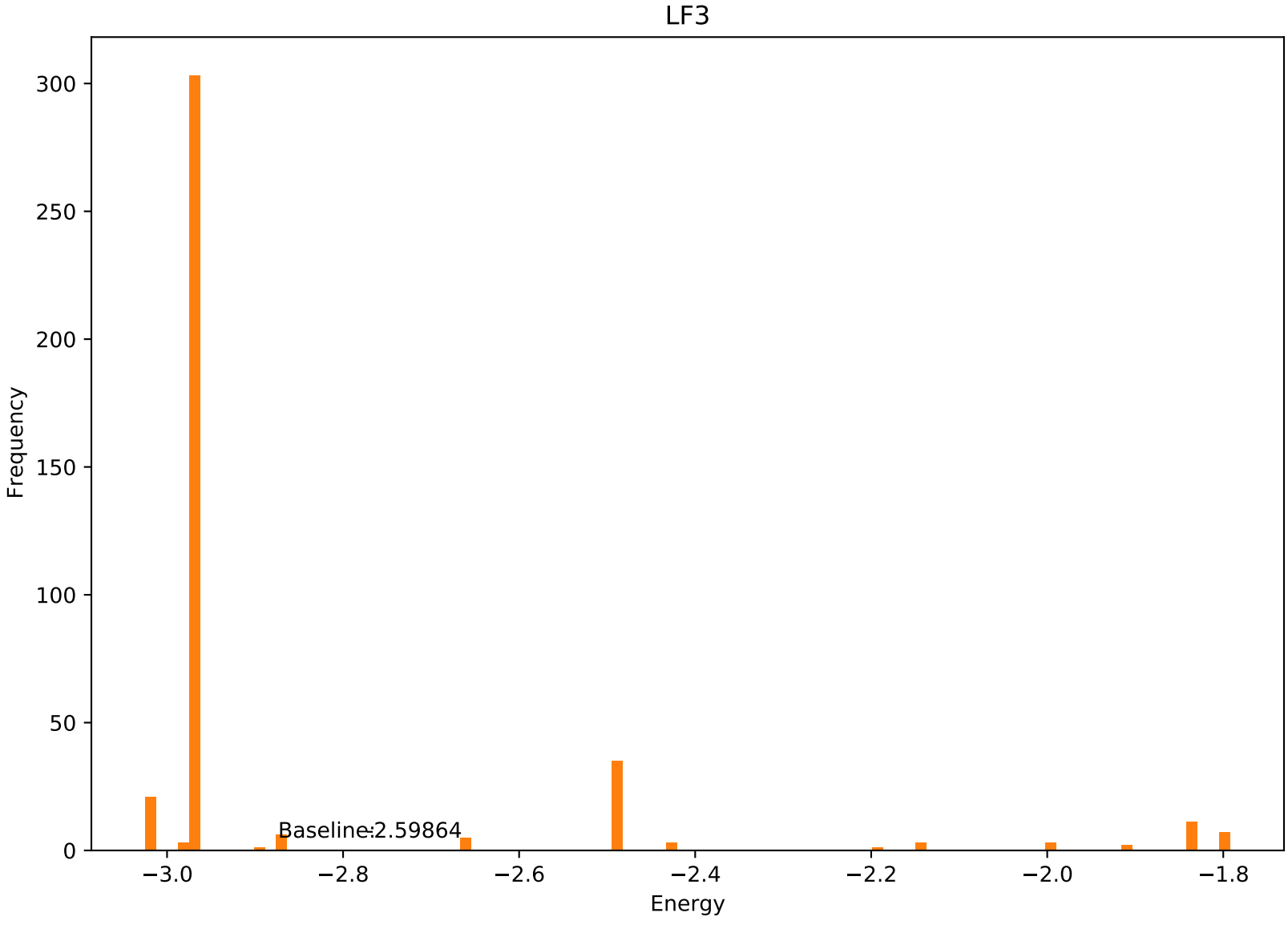

LC8
Frequency
250
200
150
100
50
0
−0.0094
−0.0093
−0.0092
−0.0091
−0.0090
Energy

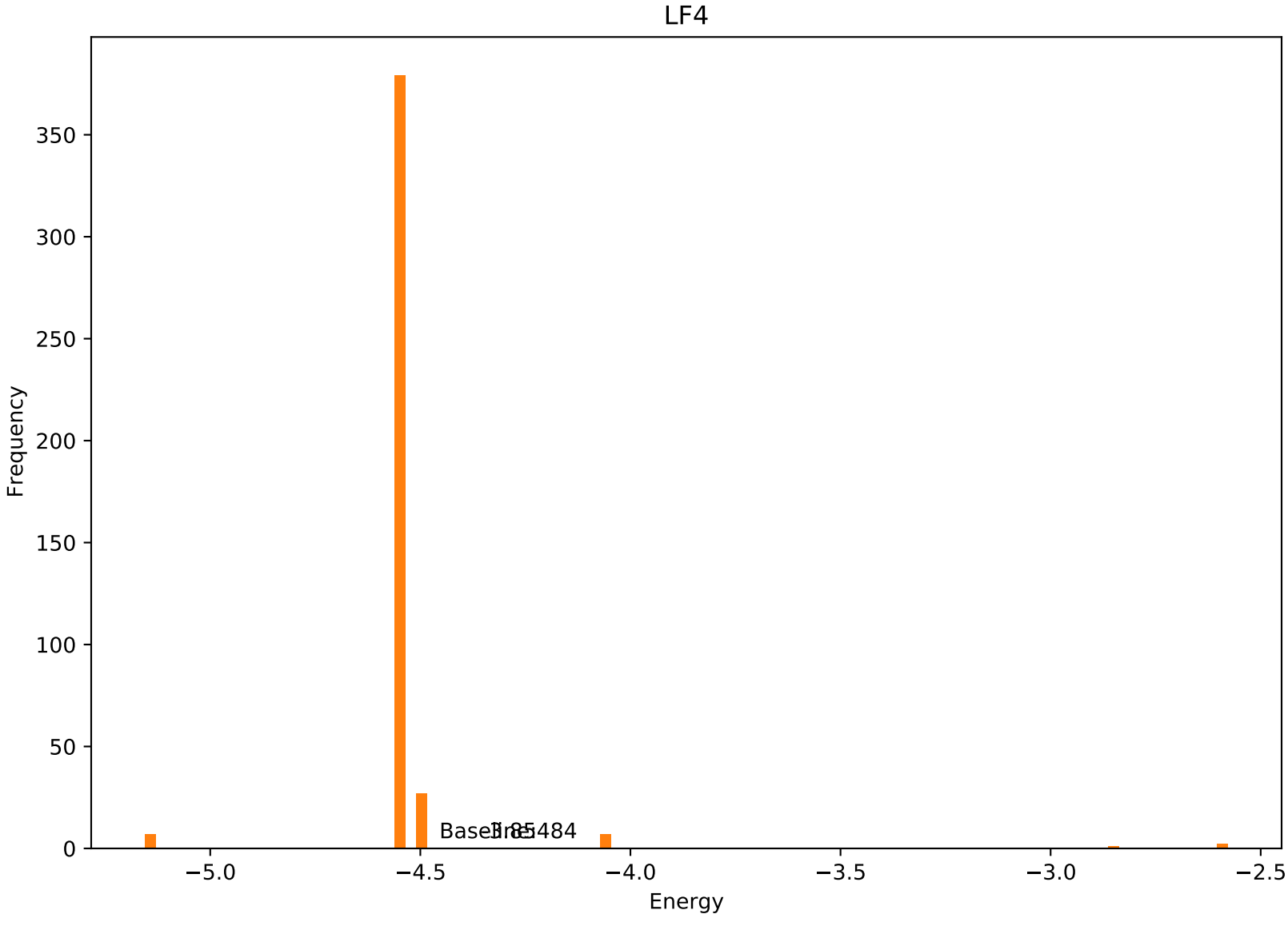

LC9
Frequency
Energy
0
5
10
15
20
25
30
−10
−8
−6
−4
−2
1e−10−1.616e−6

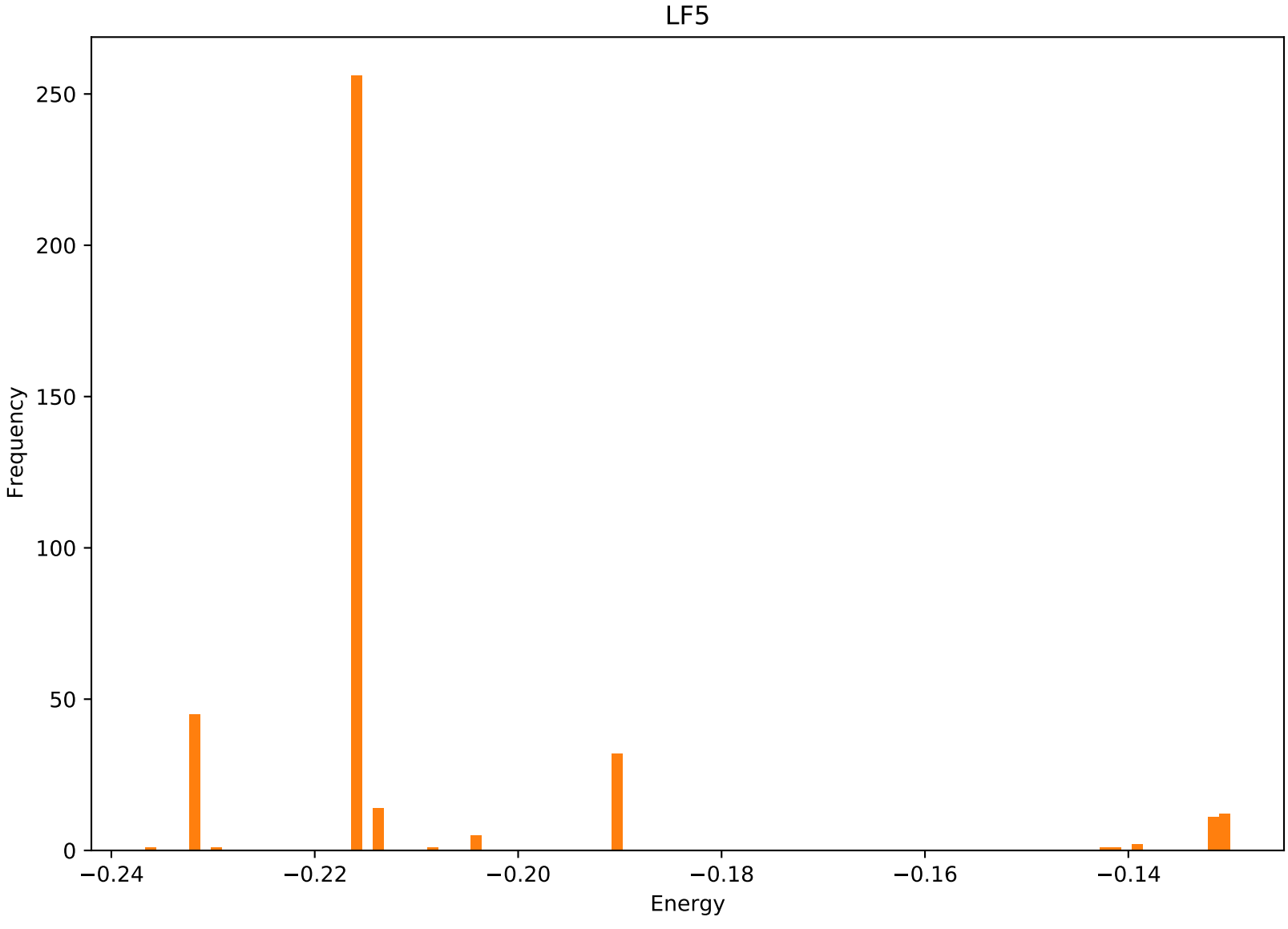

LF1
Frequency
250
200
150
100
50
0
Baseline: 1.33616
1.0
1.2
1.4
1.6
1.8
Energy

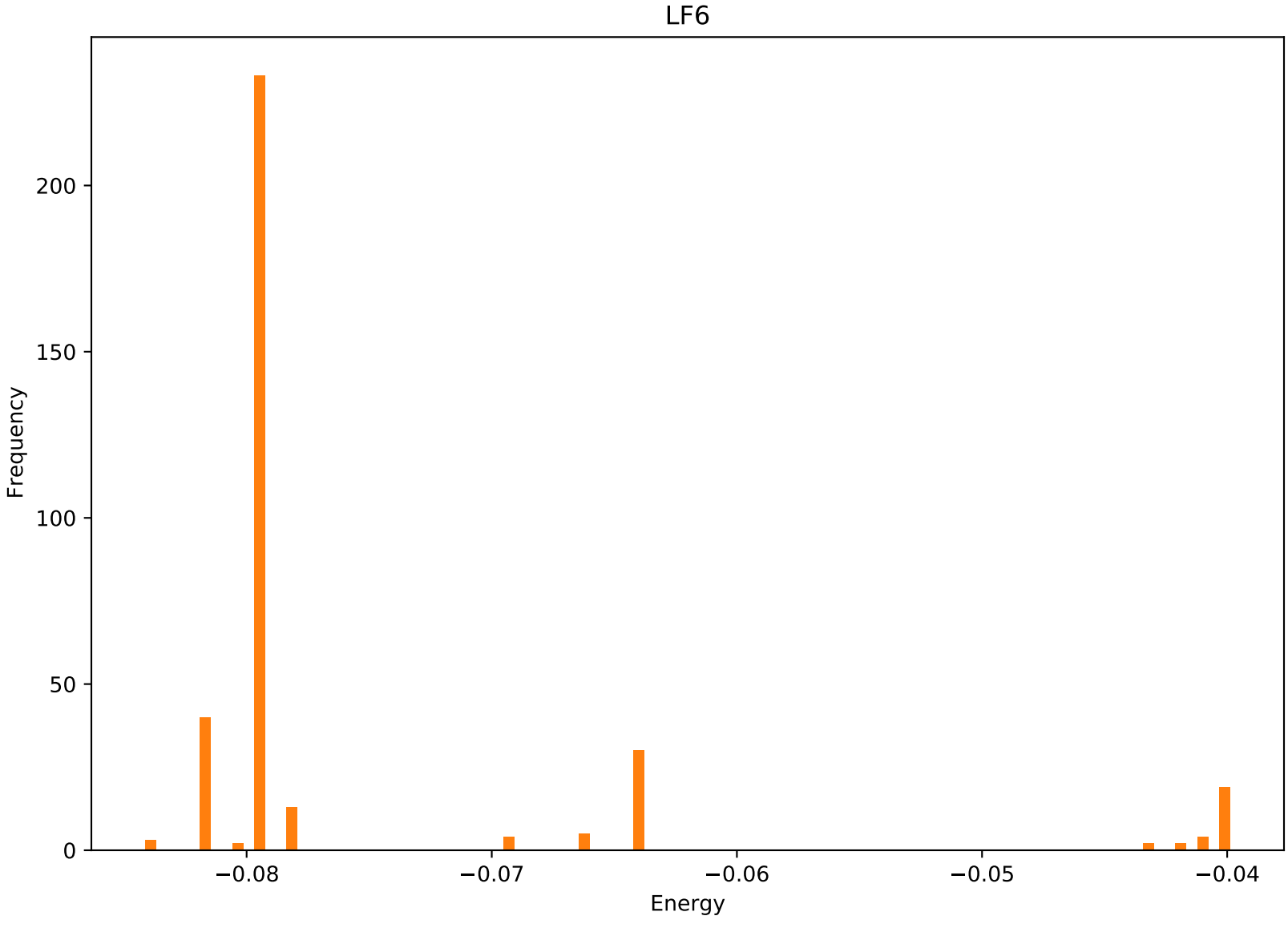

LF10
Frequency
200
175
150
125
100
75
50
25
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

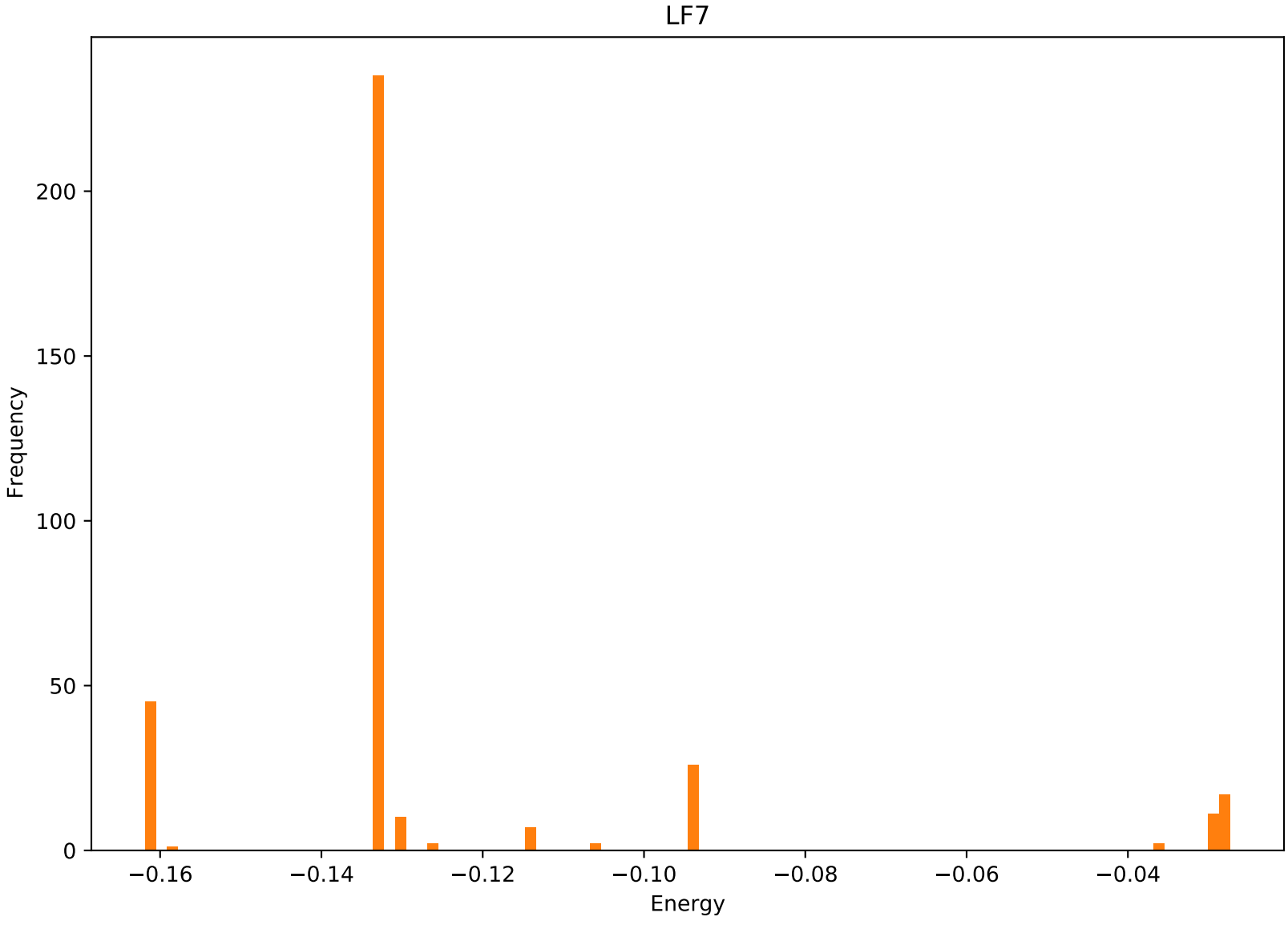

LF2
Frequency
300
250
200
150
100
50
0
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
Energy
Baseline:

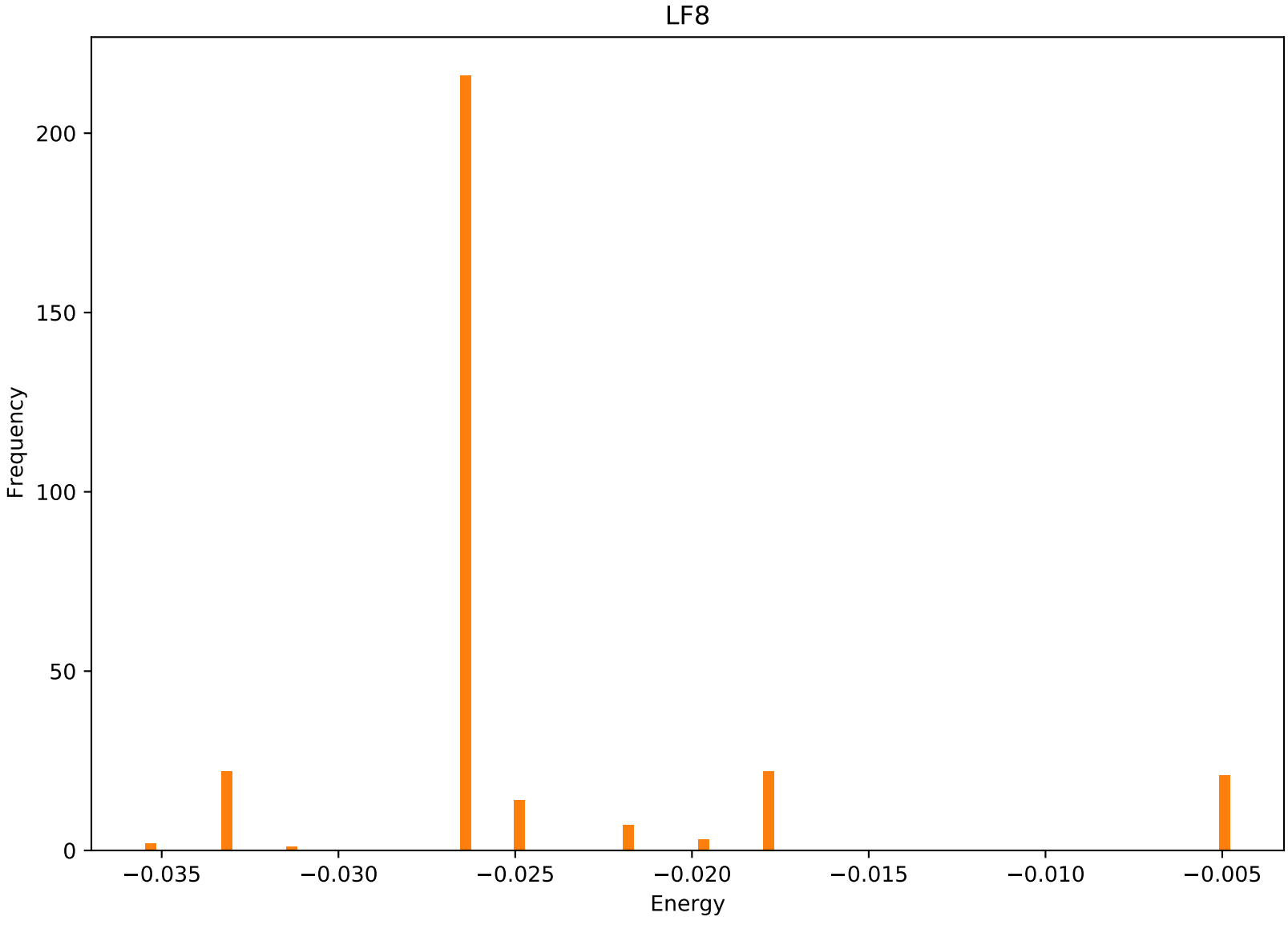

LF3
Frequency
Energy
Baseline: -2.59864
300
250
200
150
100
50
0
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

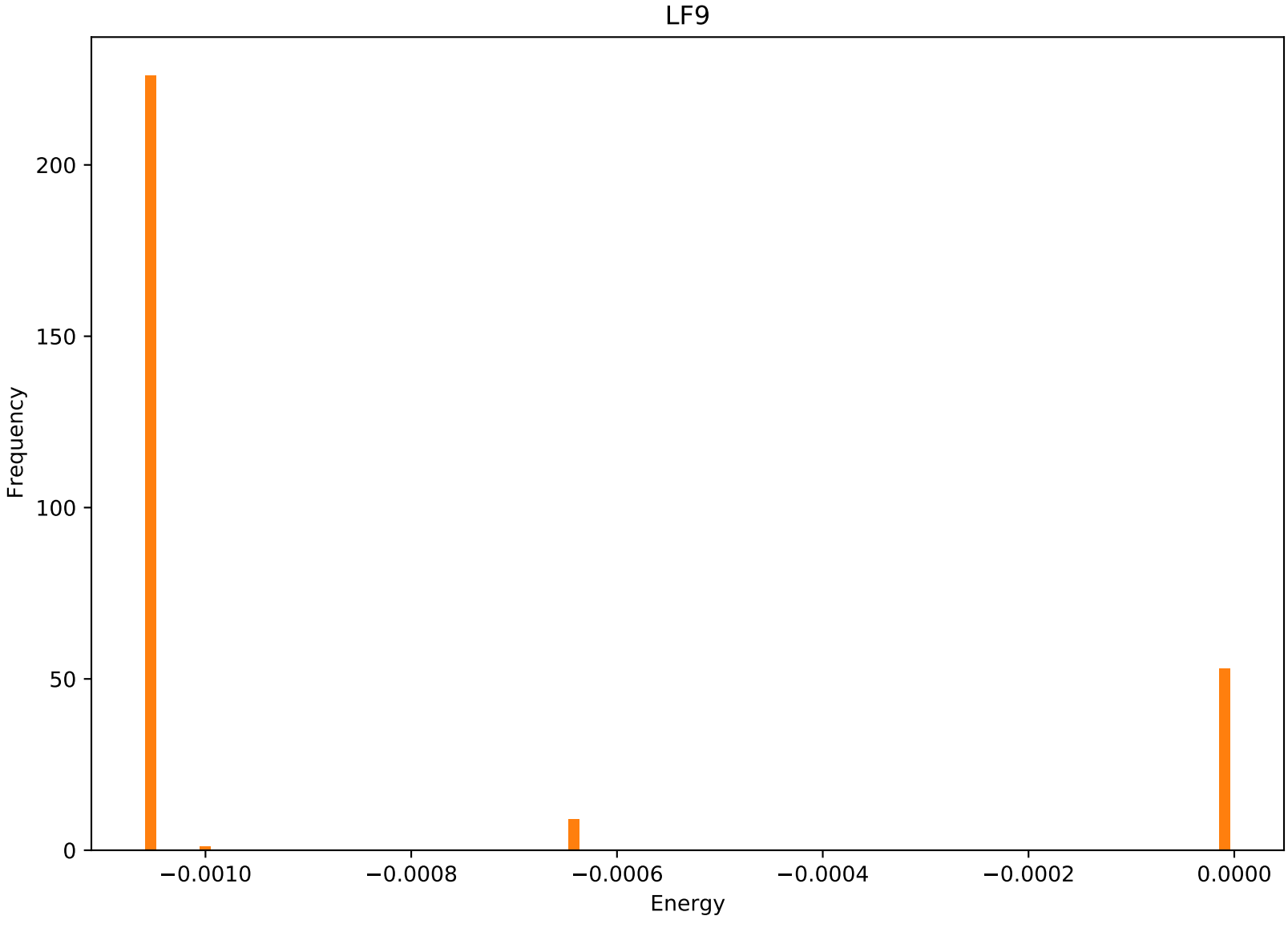

LF4
Frequency
Energy
0
50
100
150
200
250
300
350
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5

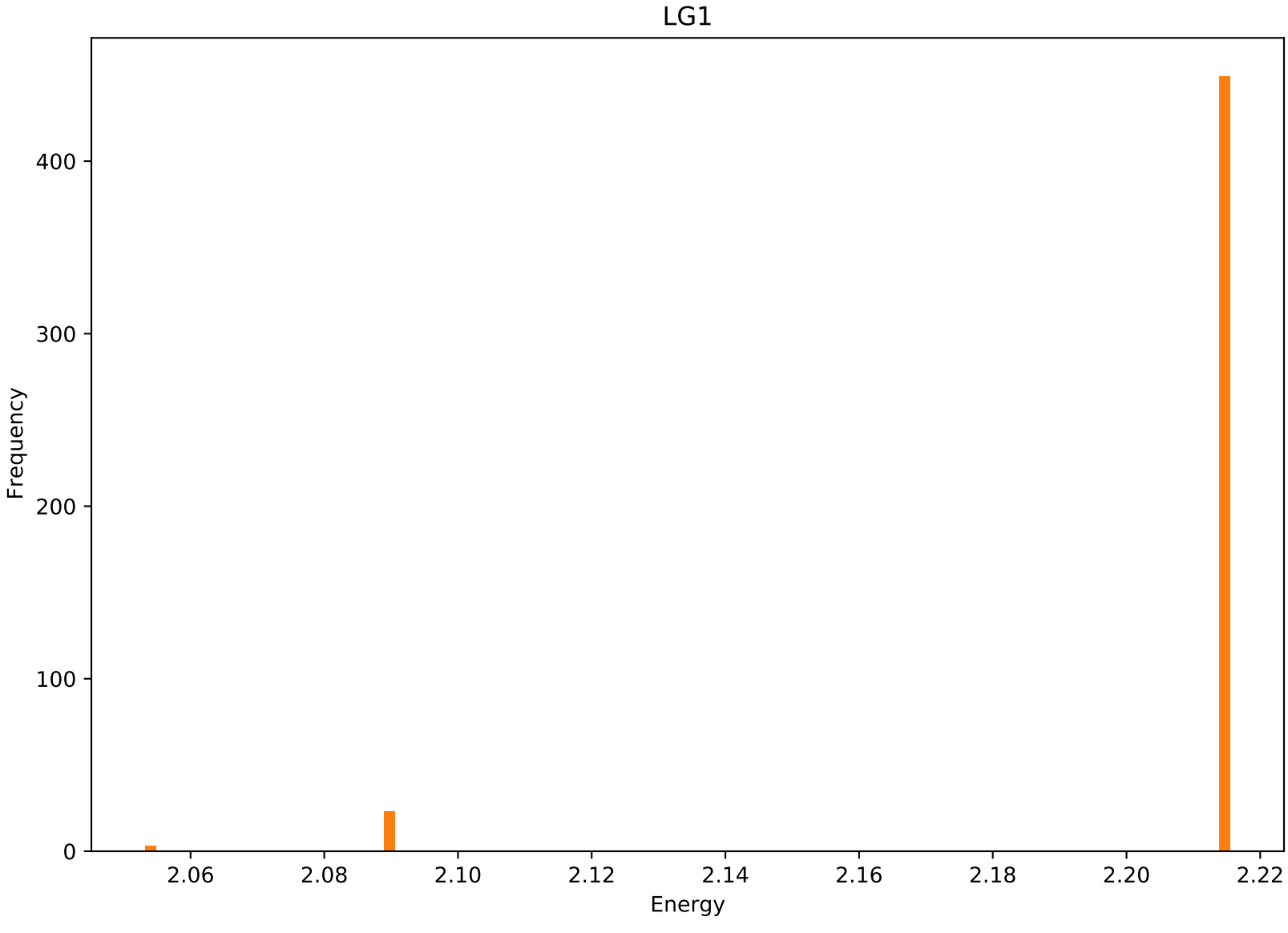

LF5
Frequency
Energy
0
50
100
150
200
250
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14

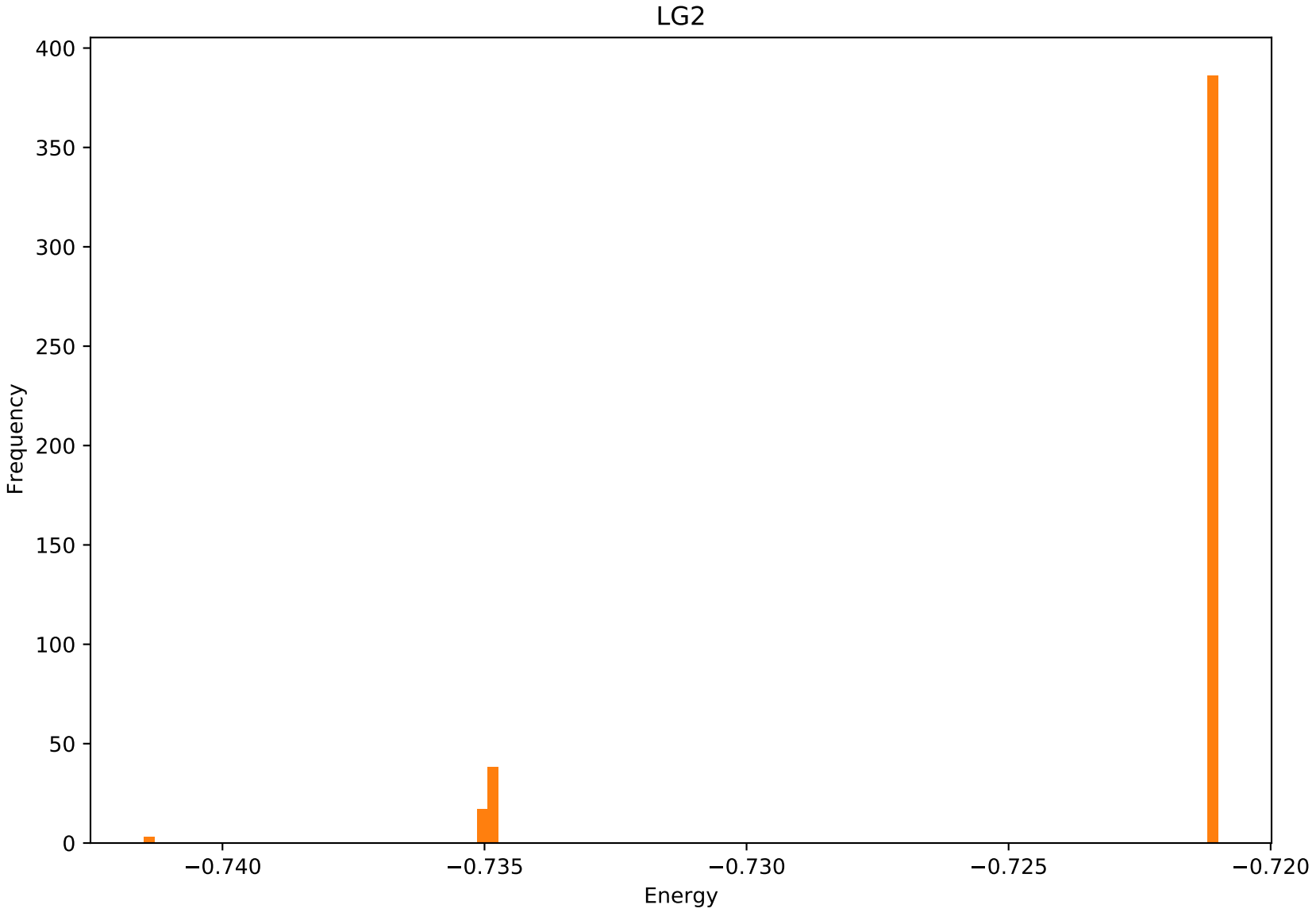

LF6
Frequency
200
150
100
50
0
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

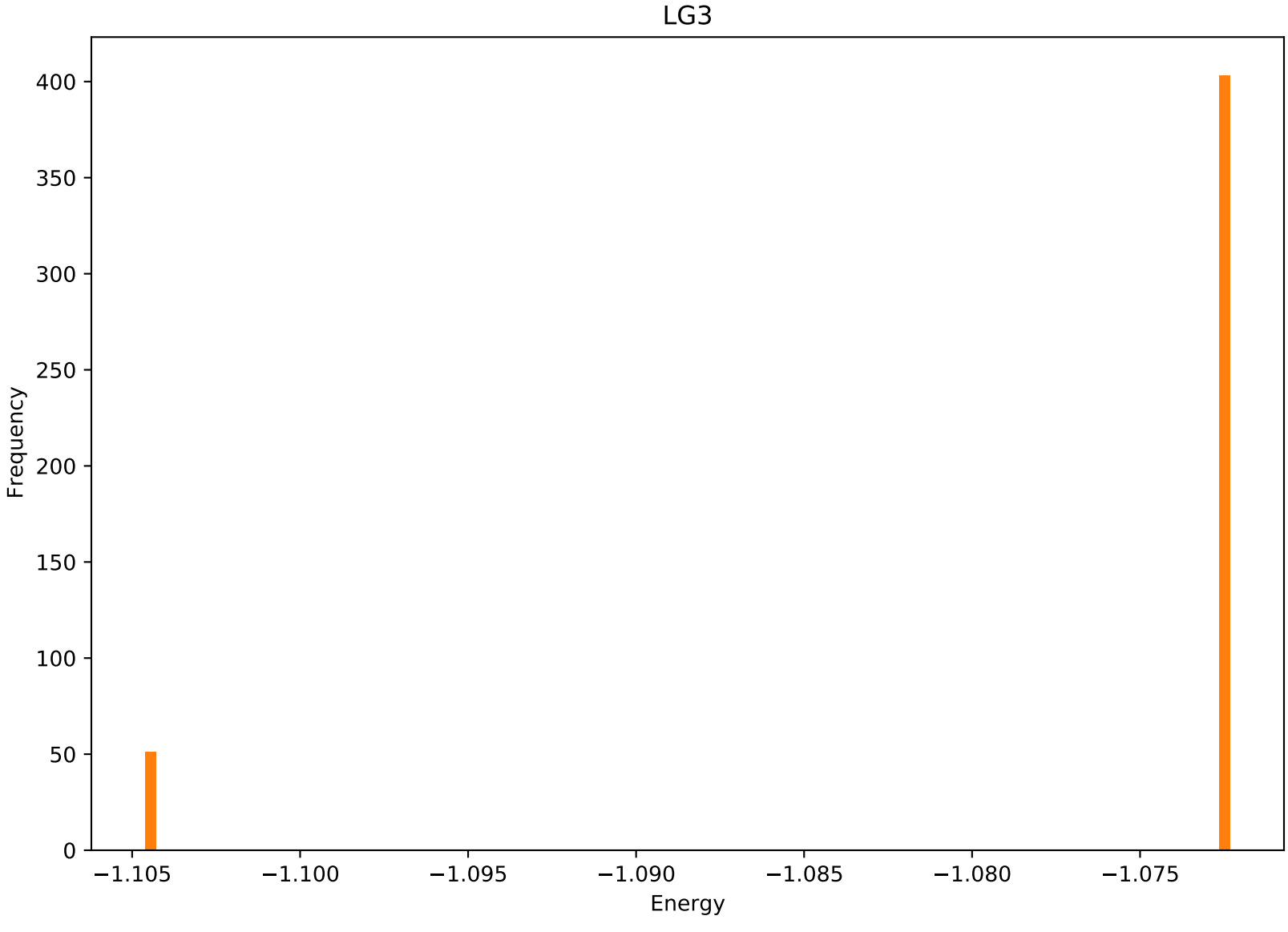

LF7
Frequency
200
150
100
50
0
−0.16
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

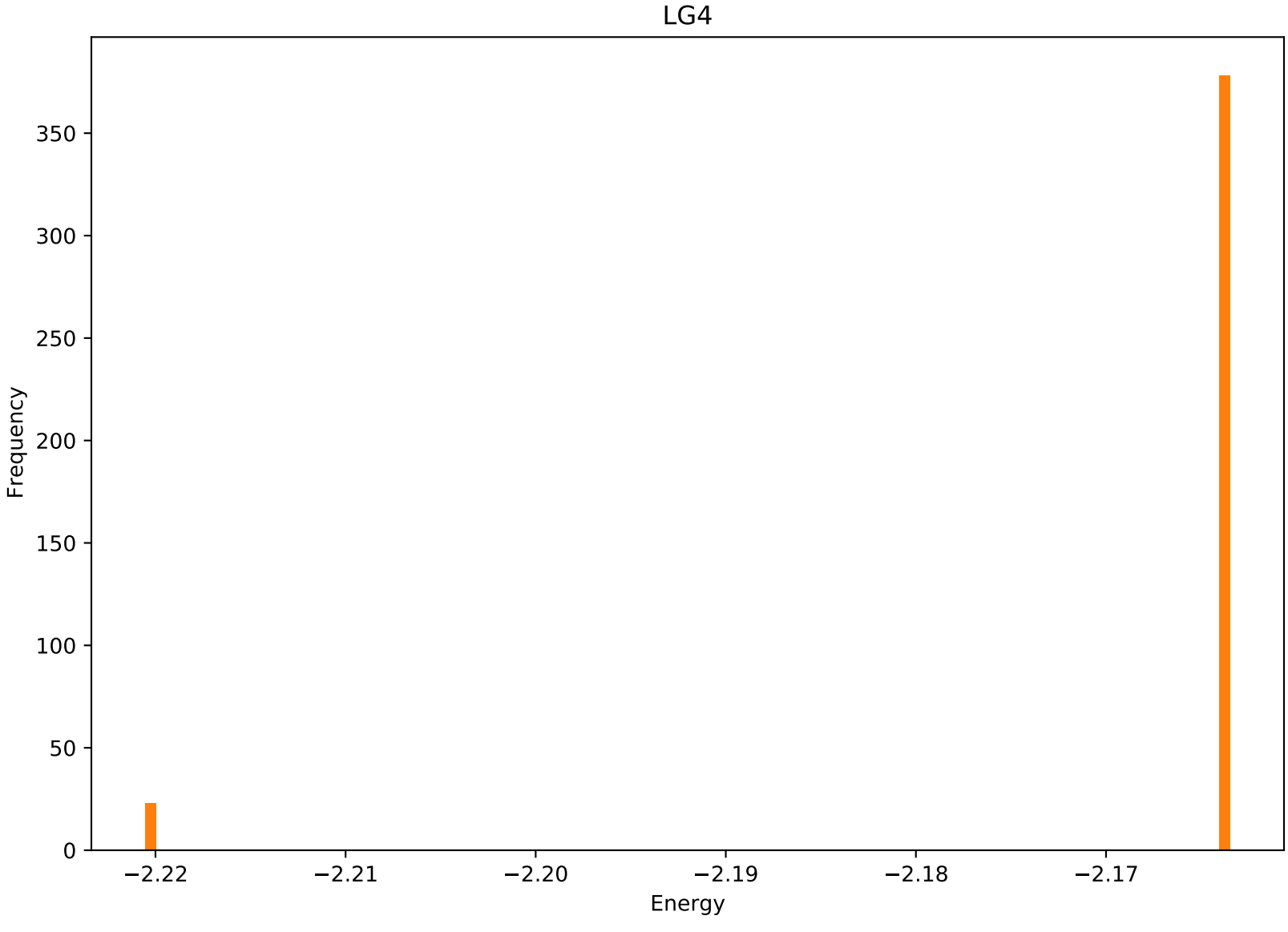

LF8
Frequency
200
150
100
50
0
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

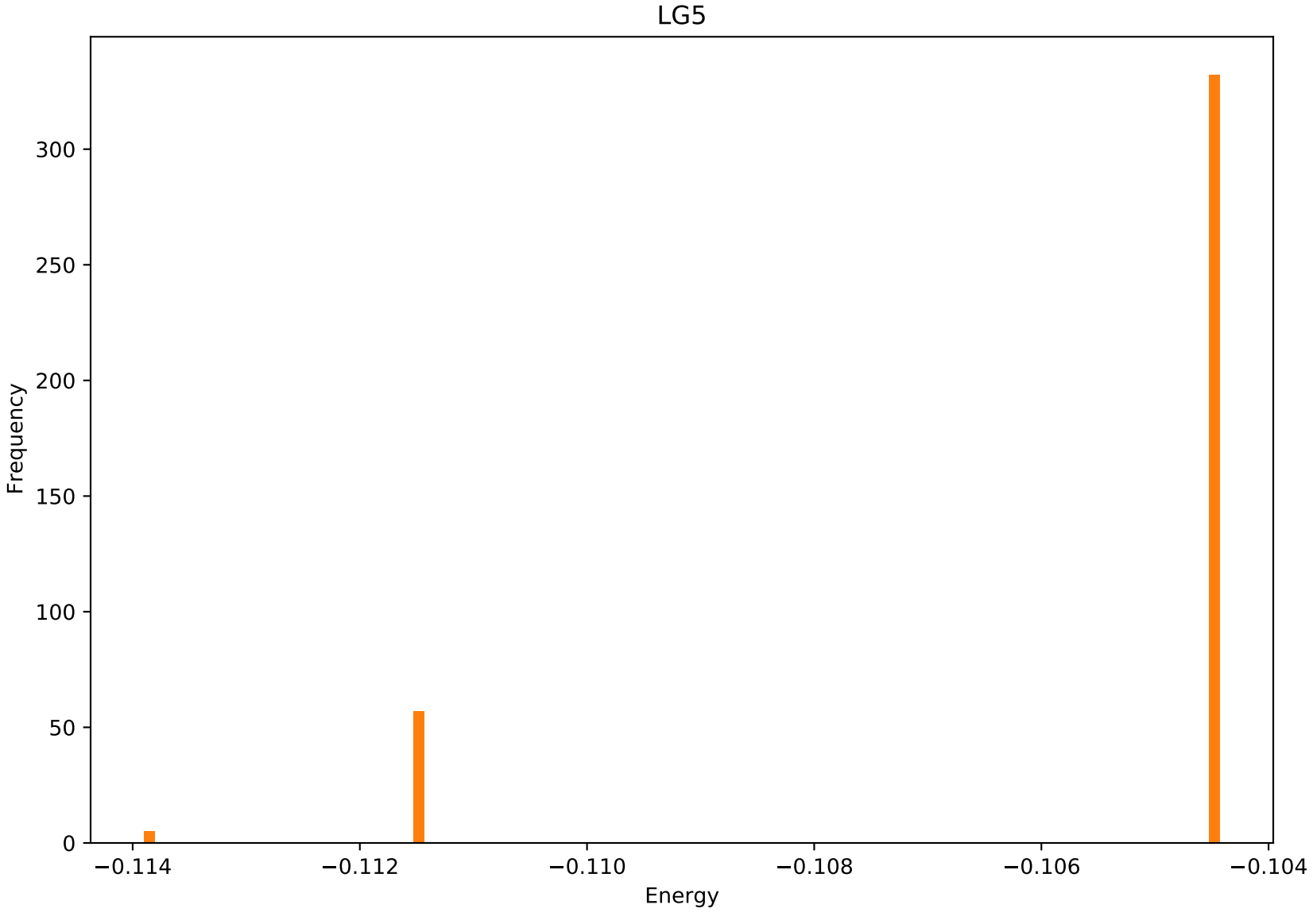

LF9
Frequency
200
150
100
50
0
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

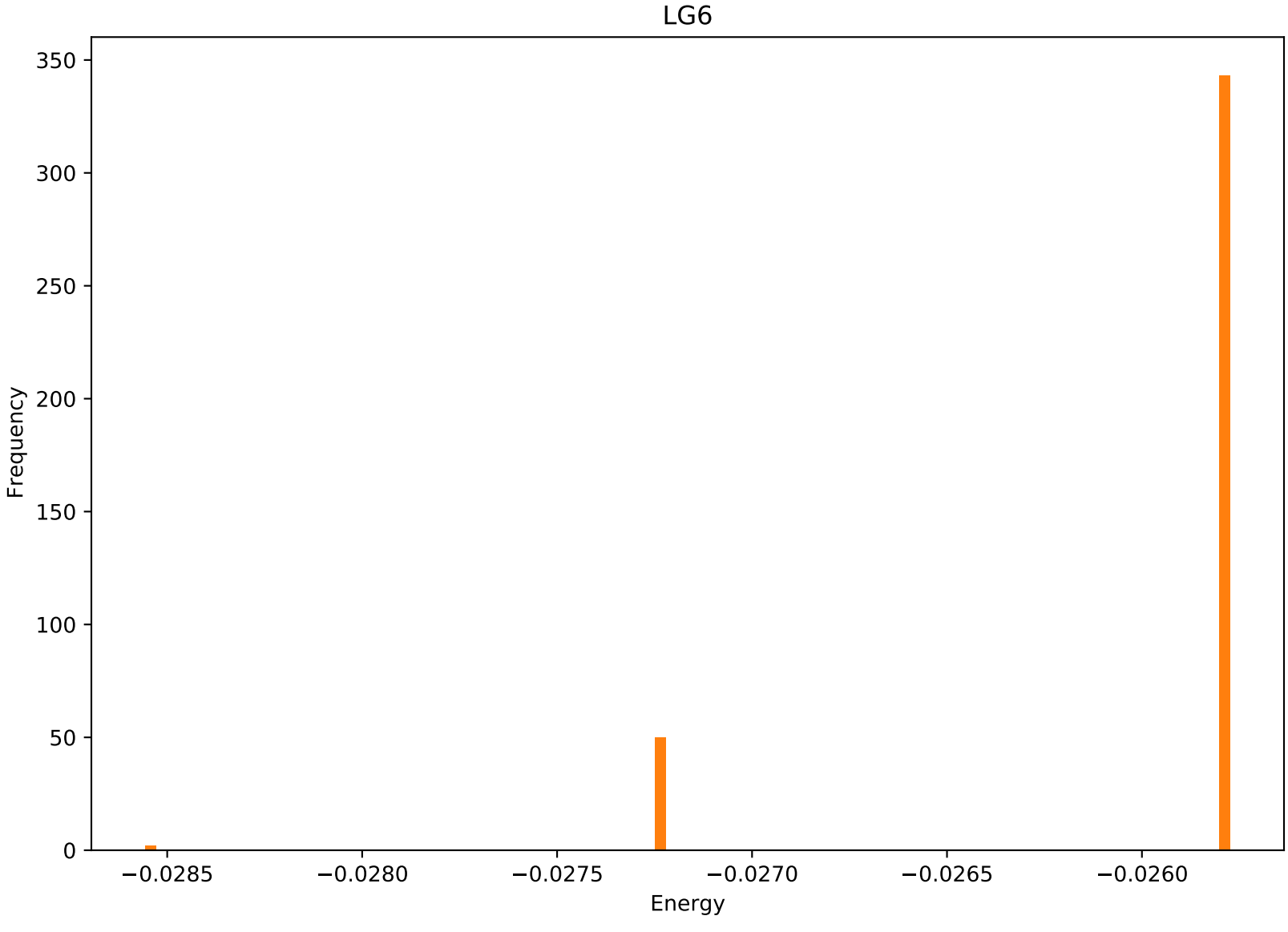

LG1
Frequency
0
100
200
300
400
2.06
2.08
2.10
2.12
2.14
2.16
2.18
2.20
2.22
Energy

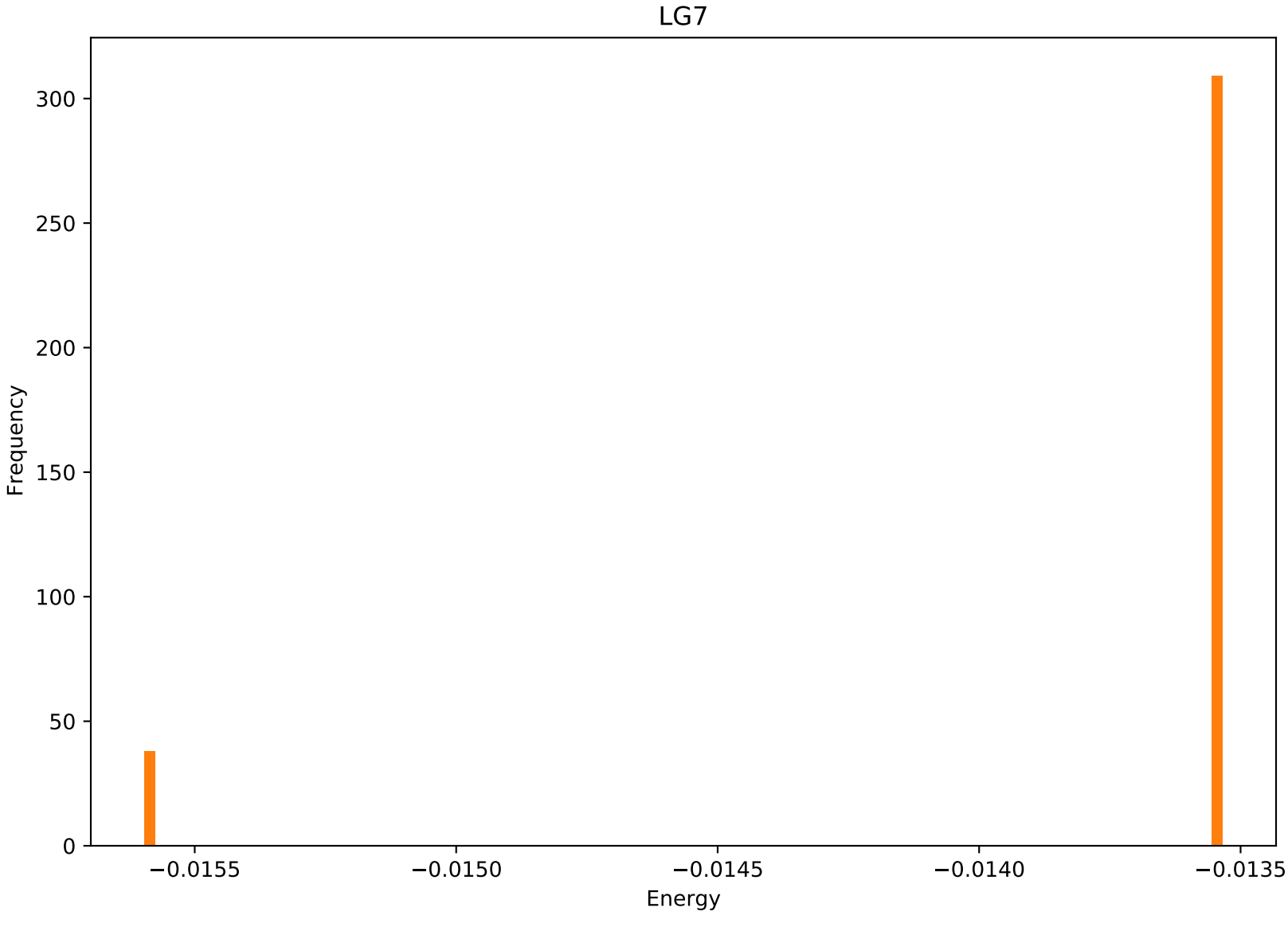

LG2
Frequency
Energy
400
350
300
250
200
150
100
50
0
−0.740
−0.735
−0.730
−0.725
−0.720

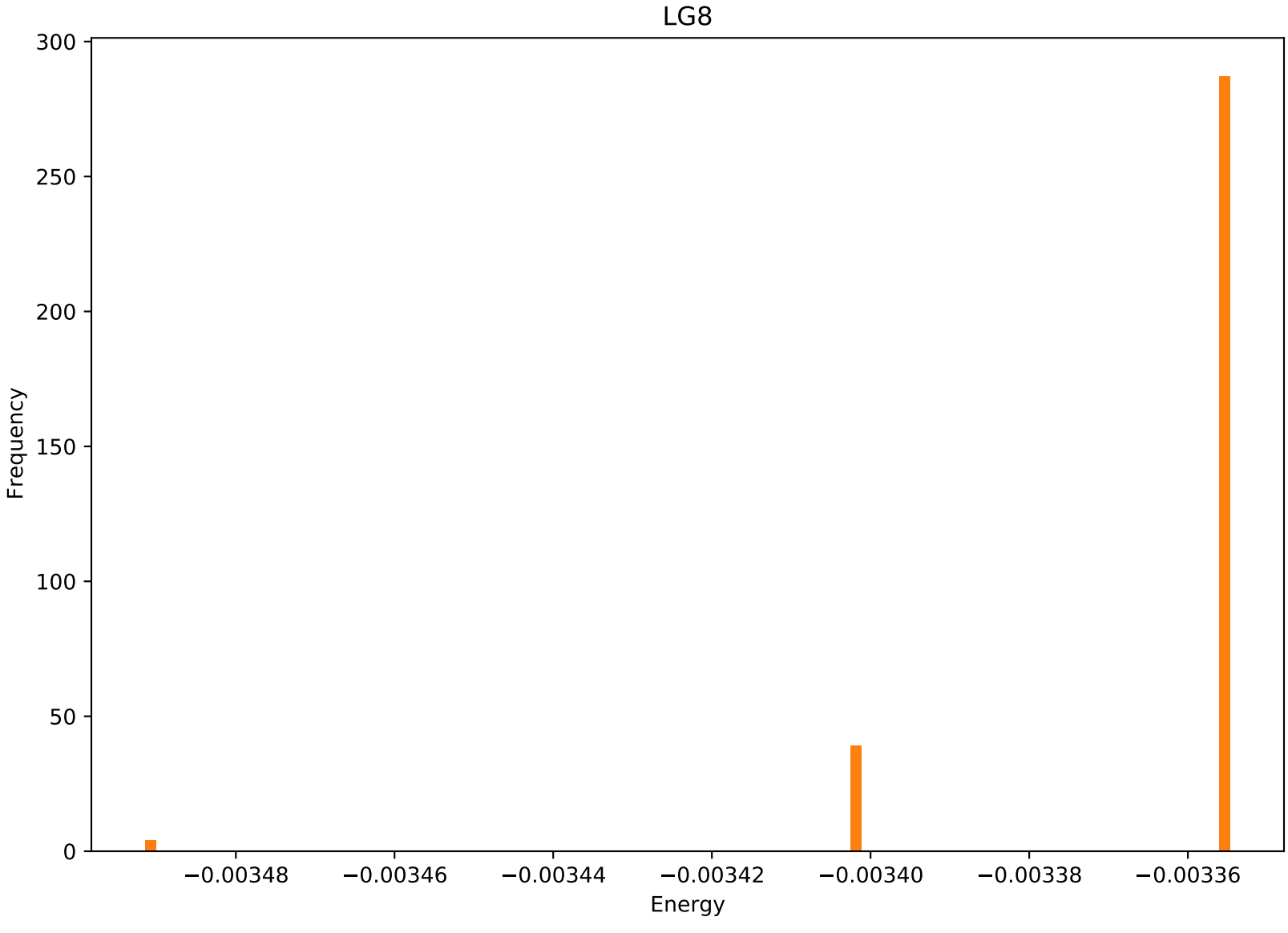

LG3
Frequency
400
350
300
250
200
150
100
50
0
−1.105
−1.100
−1.095
−1.090
−1.085
−1.080
−1.075
Energy

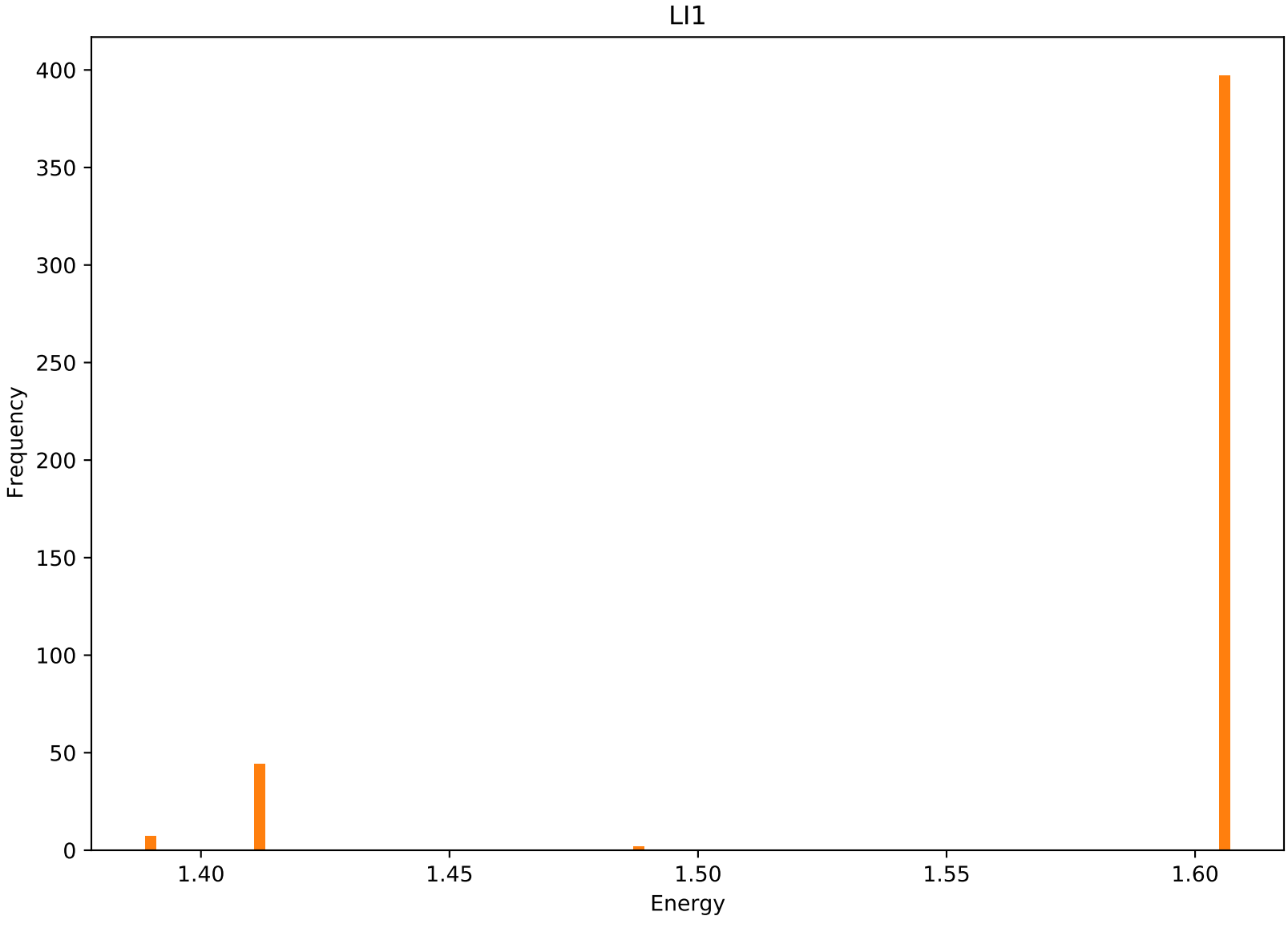

LG4
Frequency
0
50
100
150
200
250
300
350
−2.22
−2.21
−2.20
−2.19
−2.18
−2.17
Energy

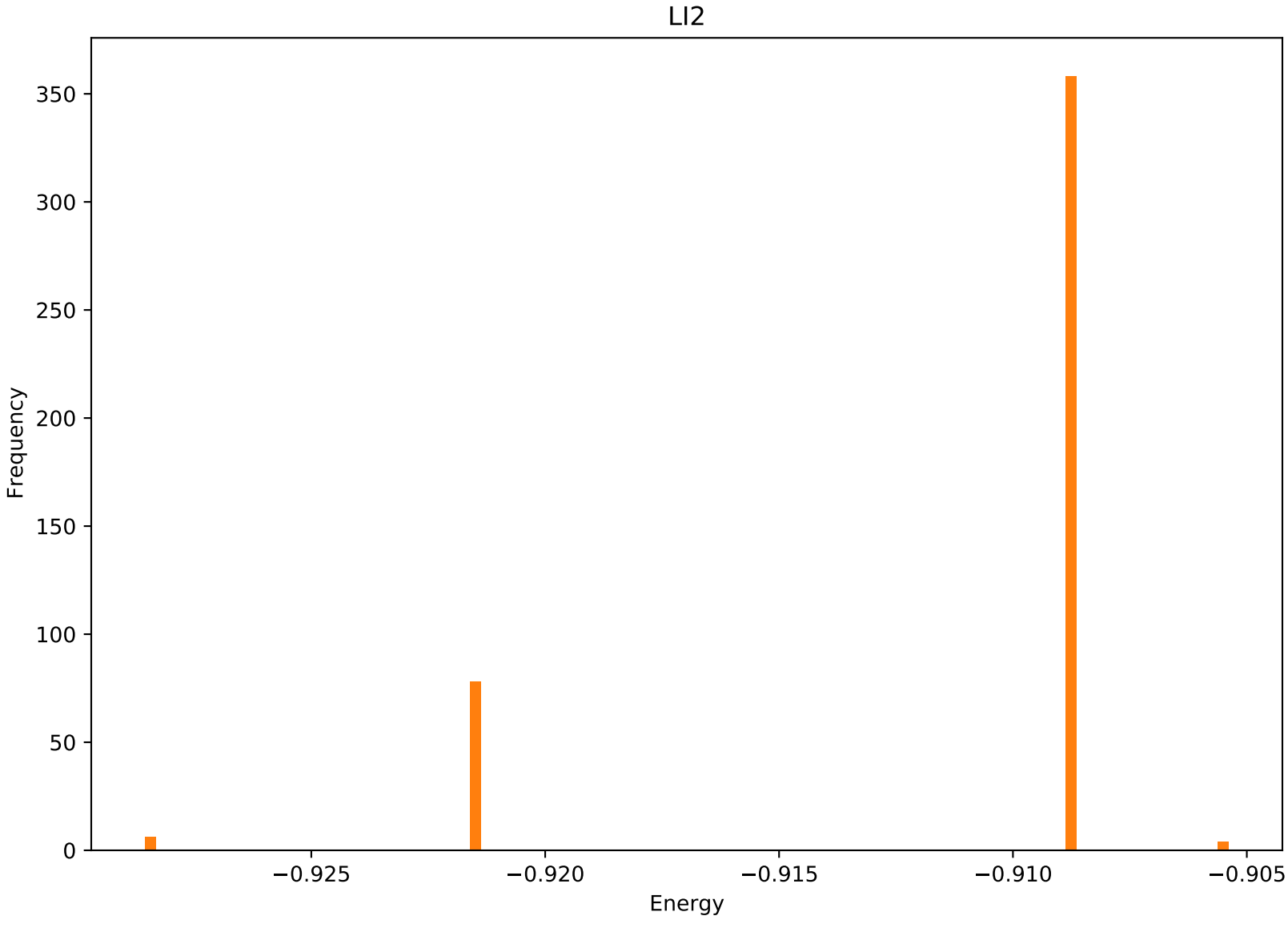

LG5
Frequency
0
50
100
150
200
250
300
−0.114
−0.112
−0.110
−0.108
−0.106
−0.104
Energy

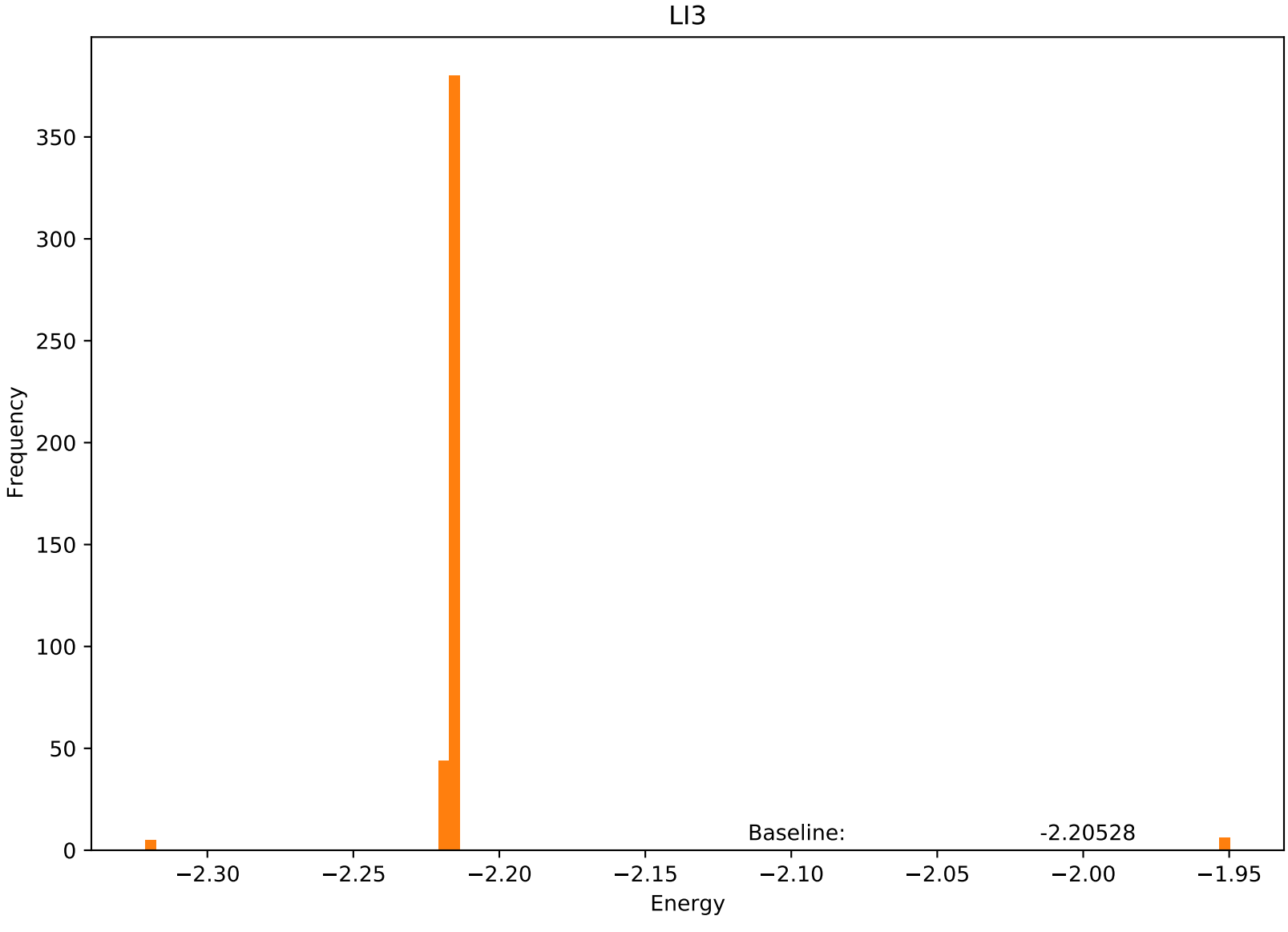

LG6
Frequency
Energy
350
300
250
200
150
100
50
0
−0.0285
−0.0280
−0.0275
−0.0270
−0.0265
−0.0260

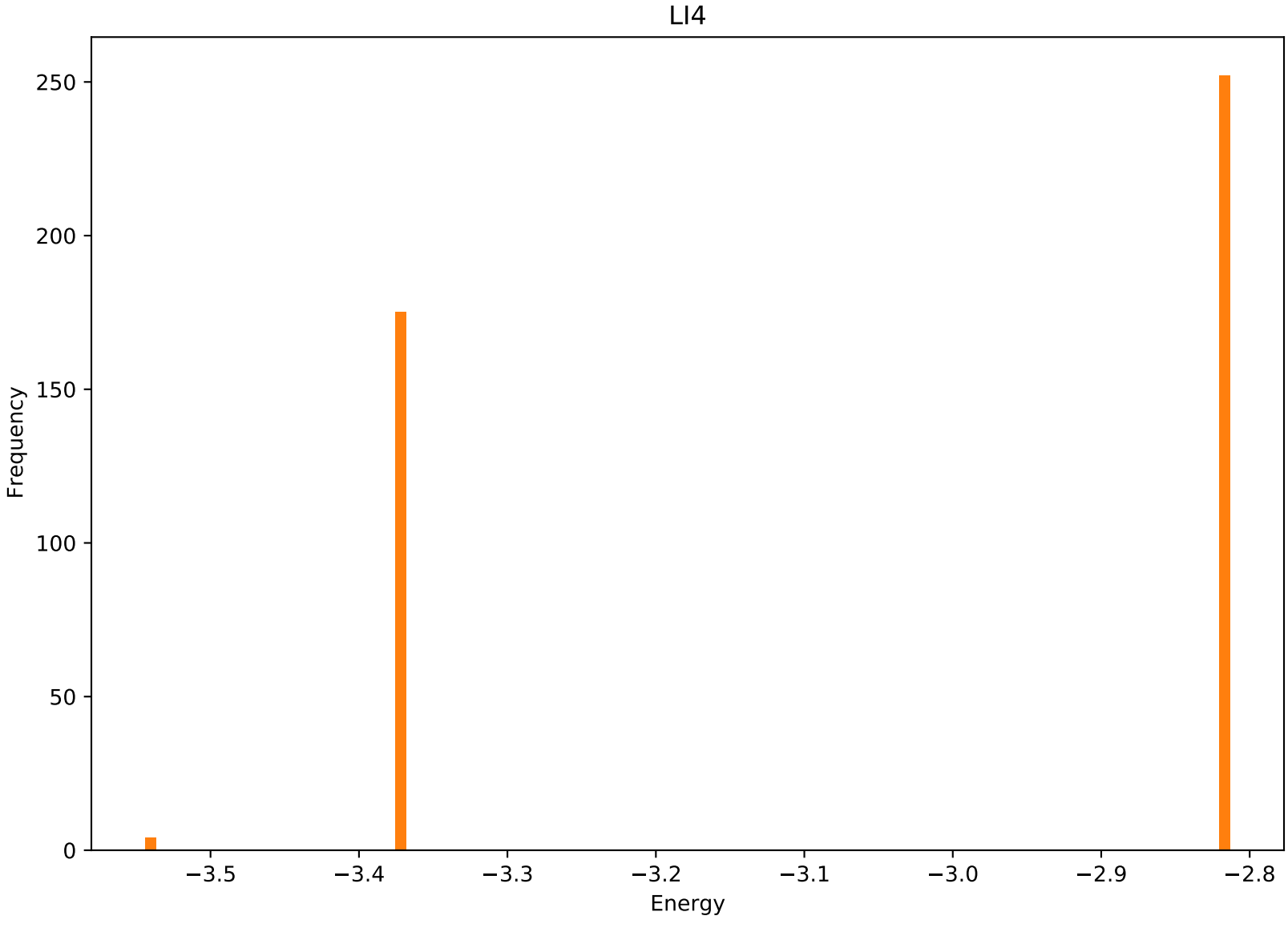

LG7
Frequency
300
250
200
150
100
50
0
−0.0155
−0.0150
−0.0145
−0.0140
−0.0135
Energy

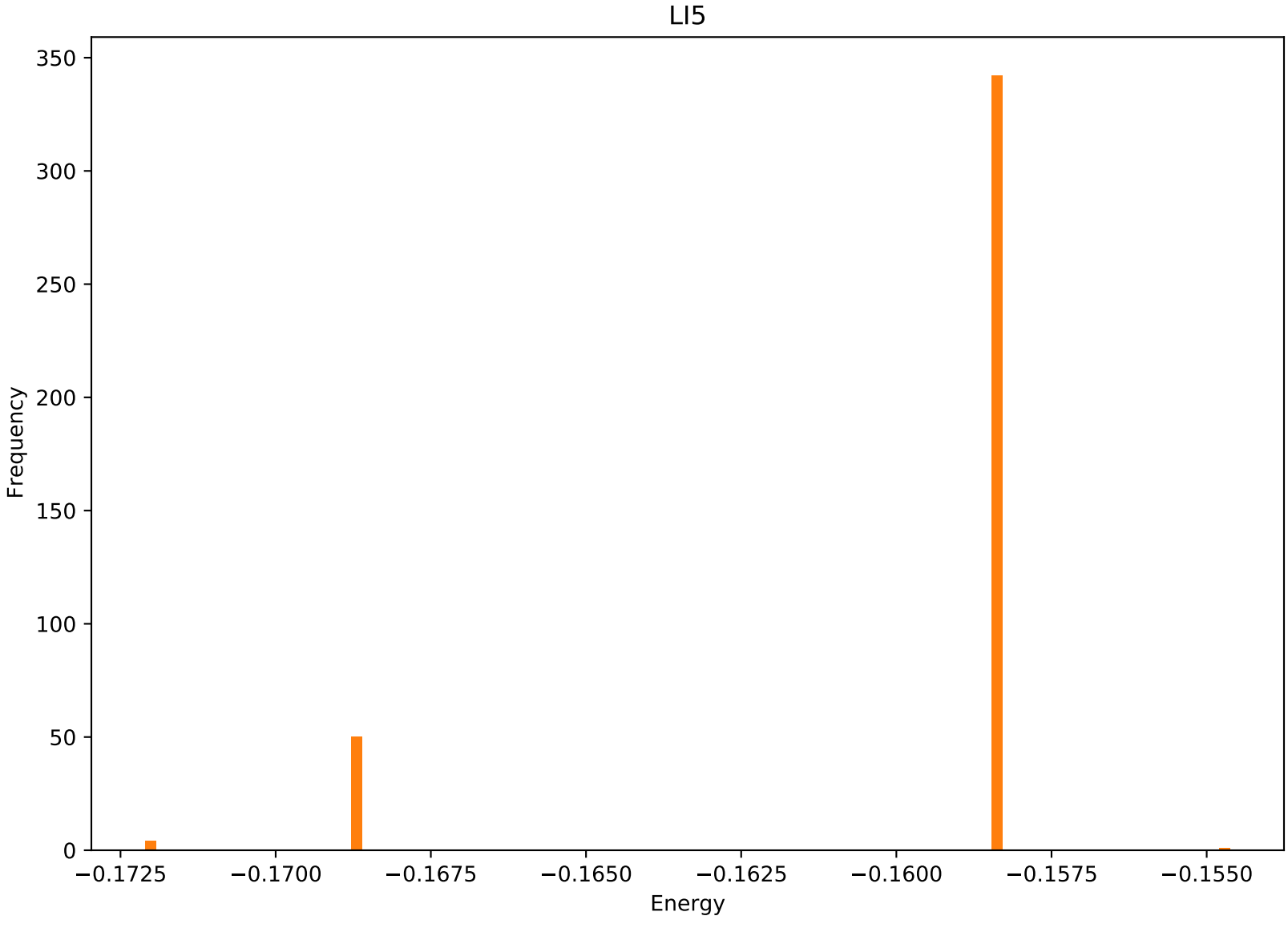

LG8
300
250
200
150
100
50
0
Frequency
−0.00348
−0.00346
−0.00344
−0.00342
−0.00340
−0.00338
−0.00336
Energy

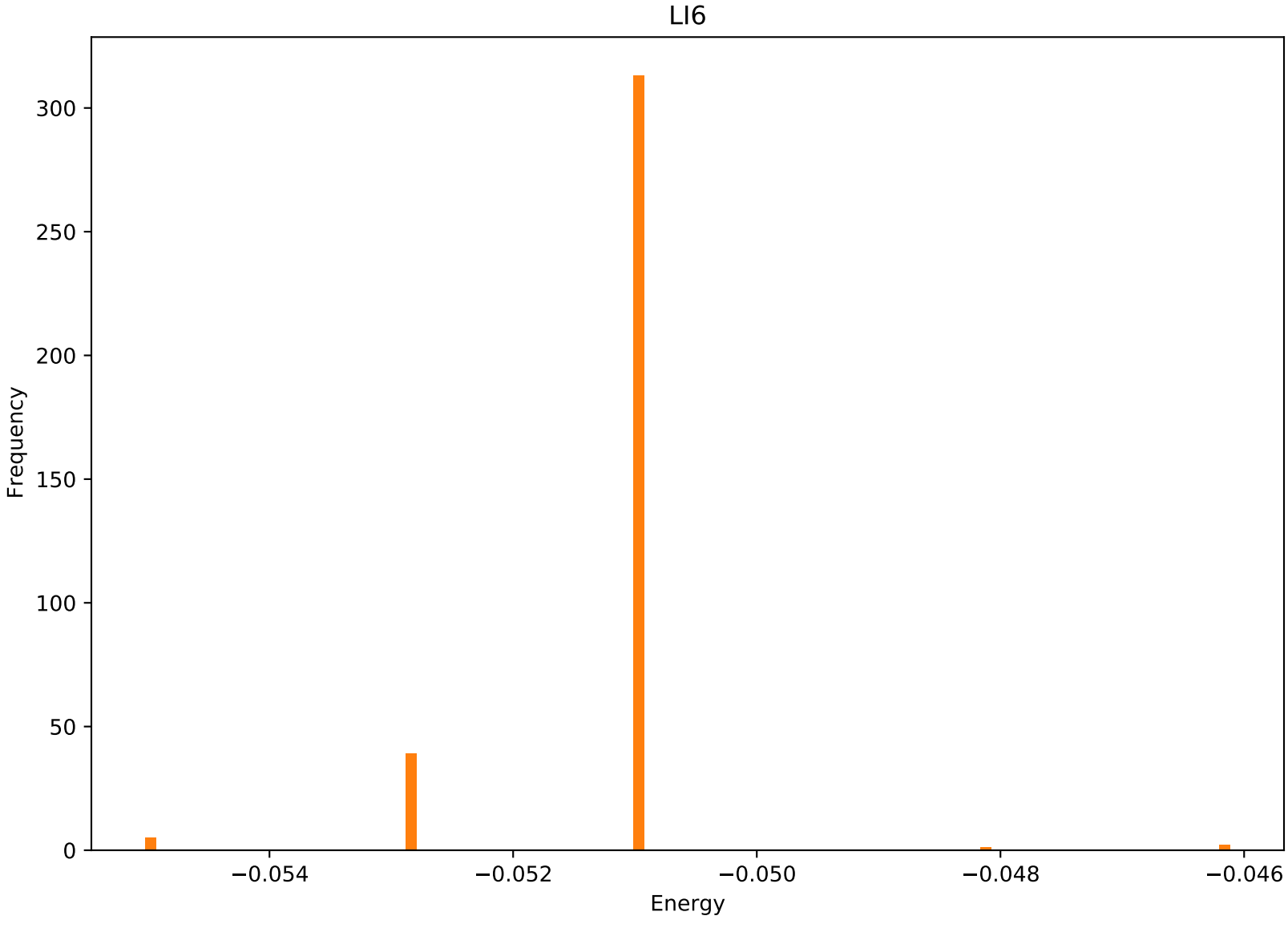

LI1
Frequency
Energy
0
50
100
150
200
250
300
350
400
1.40
1.45
1.50
1.55
1.60

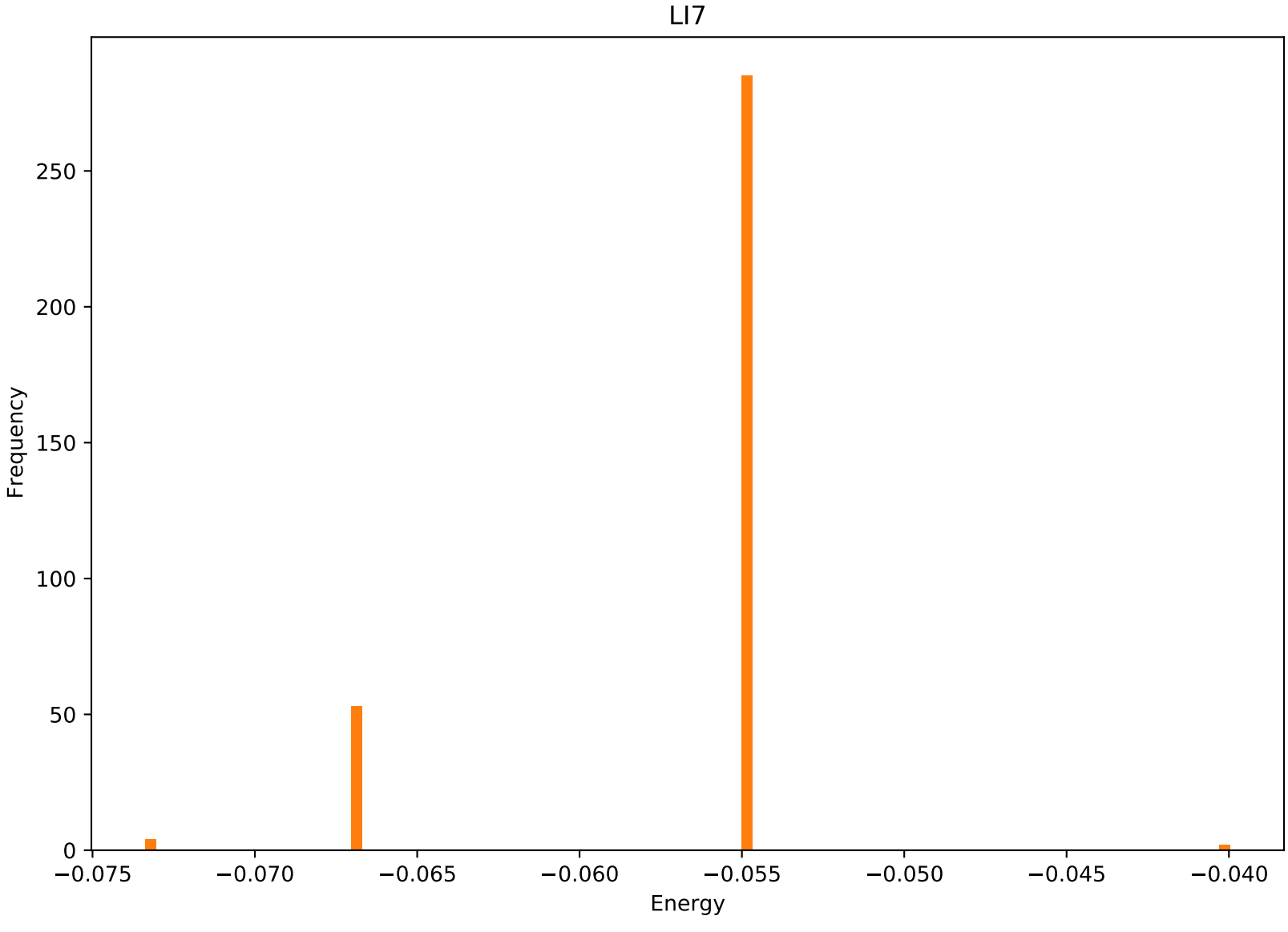

LI2
Frequency
350
300
250
200
150
100
50
0
−0.925
−0.920
−0.915
−0.910
−0.905
Energy

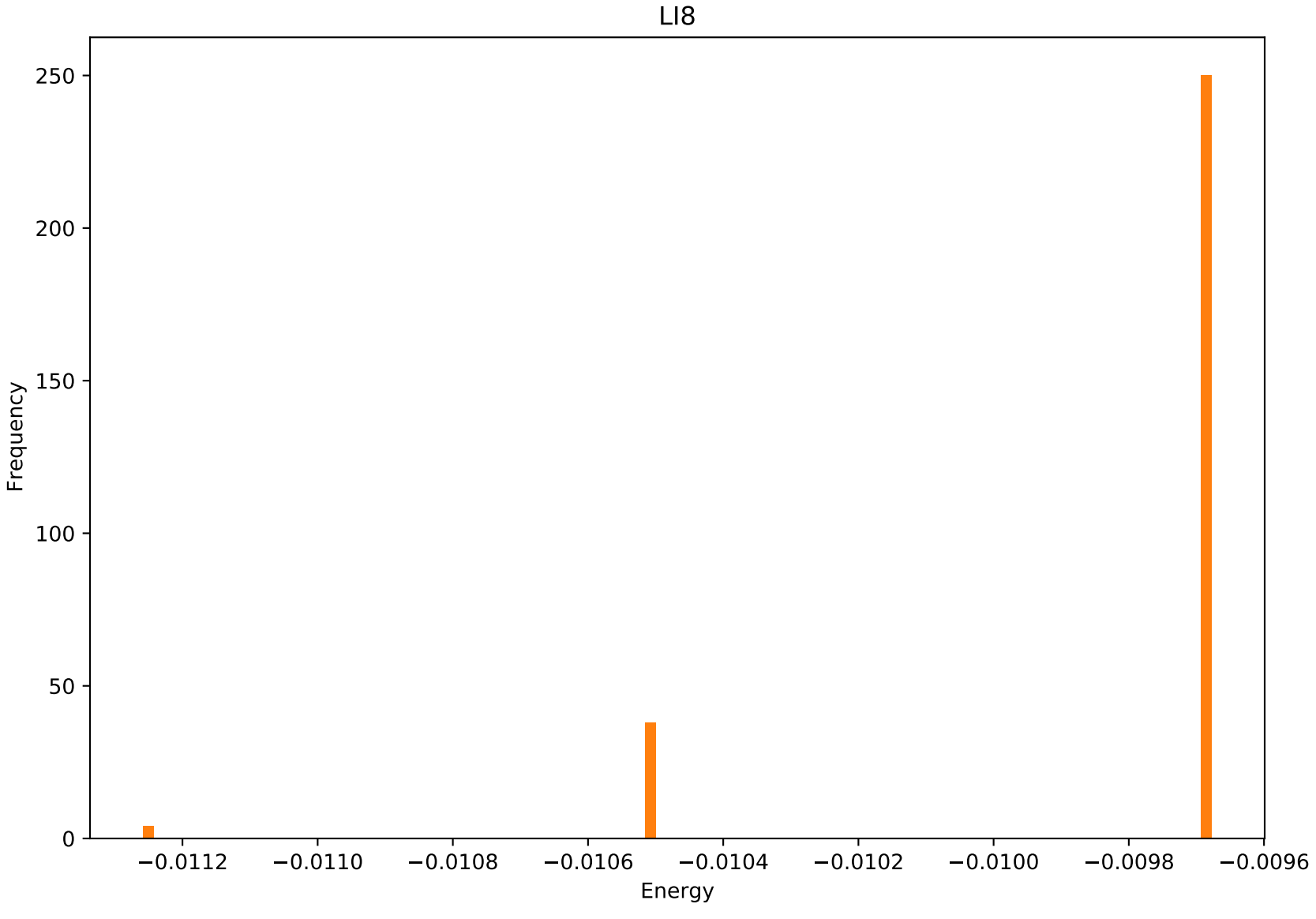

LI3
Frequency
350
300
250
200
150
100
50
0
−2.30
−2.25
−2.20
−2.15
−2.10
−2.05
−2.00
−1.95
Energy
Baseline:
-2.20528

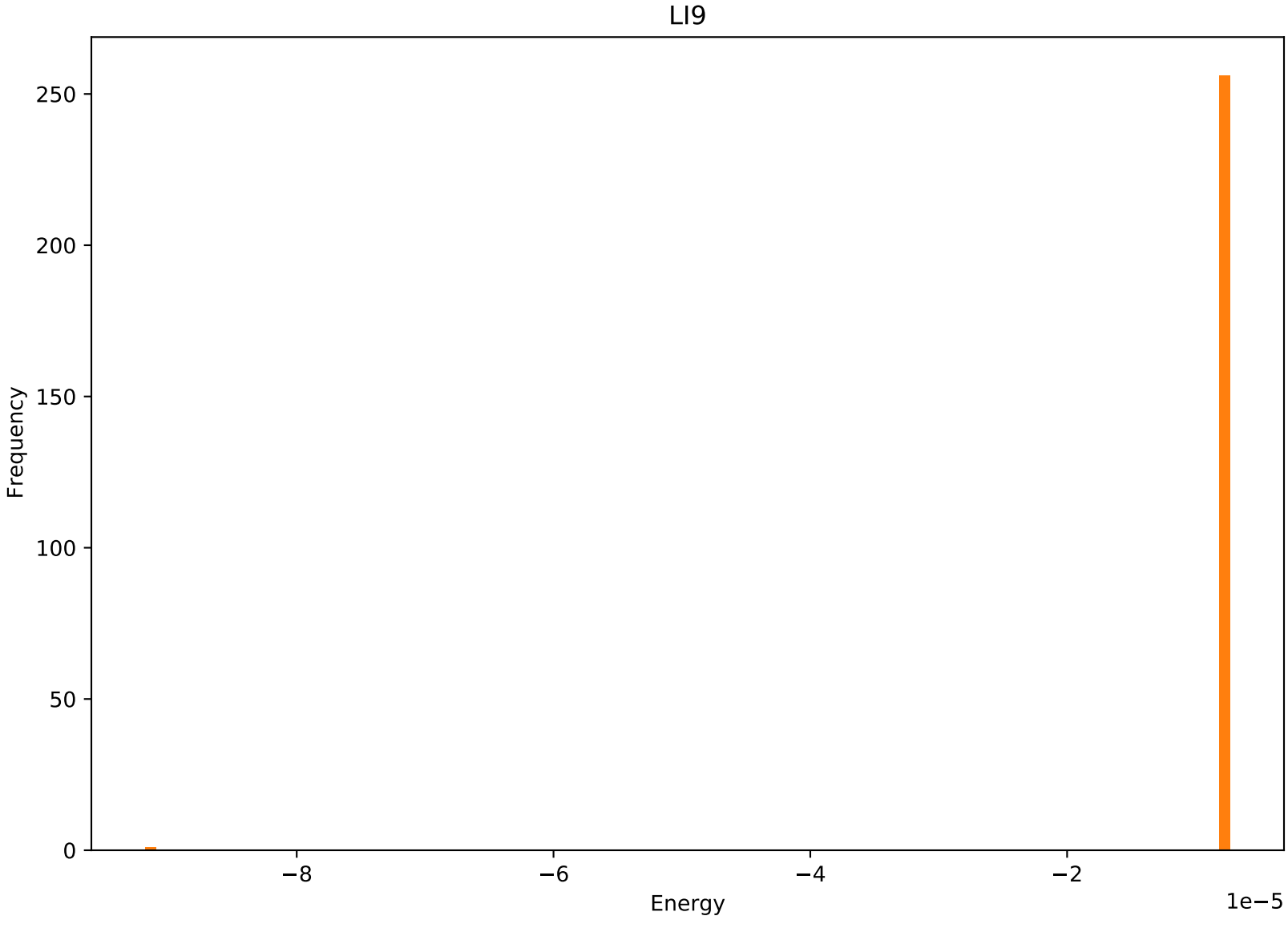

LI4
Frequency
250
200
150
100
50
0
−3.5
−3.4
−3.3
−3.2
−3.1
−3.0
−2.9
−2.8
Energy

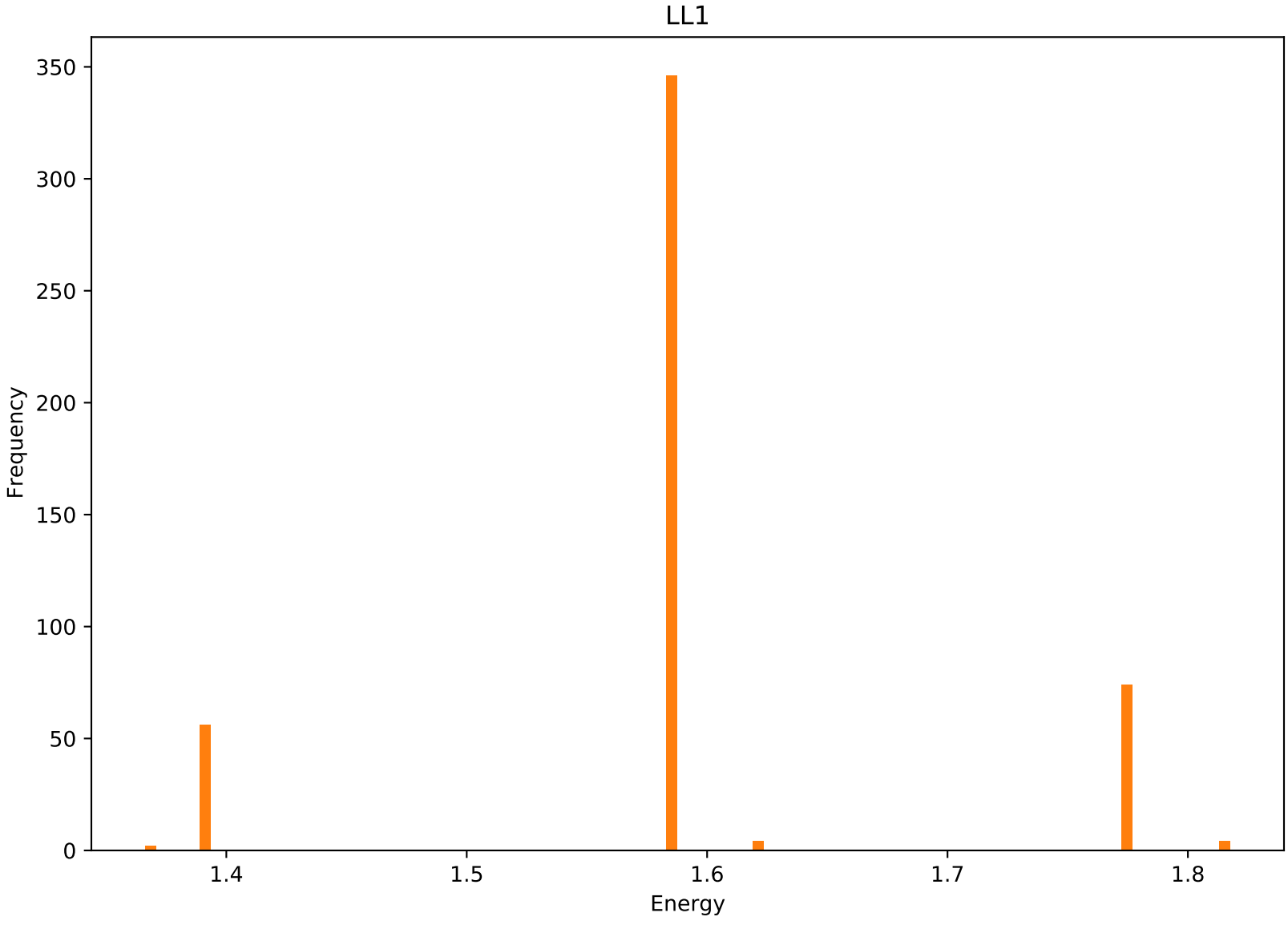

LI5
Frequency
Energy
0
50
100
150
200
250
300
350
−0.1725
−0.1700
−0.1675
−0.1650
−0.1625
−0.1600
−0.1575
−0.1550

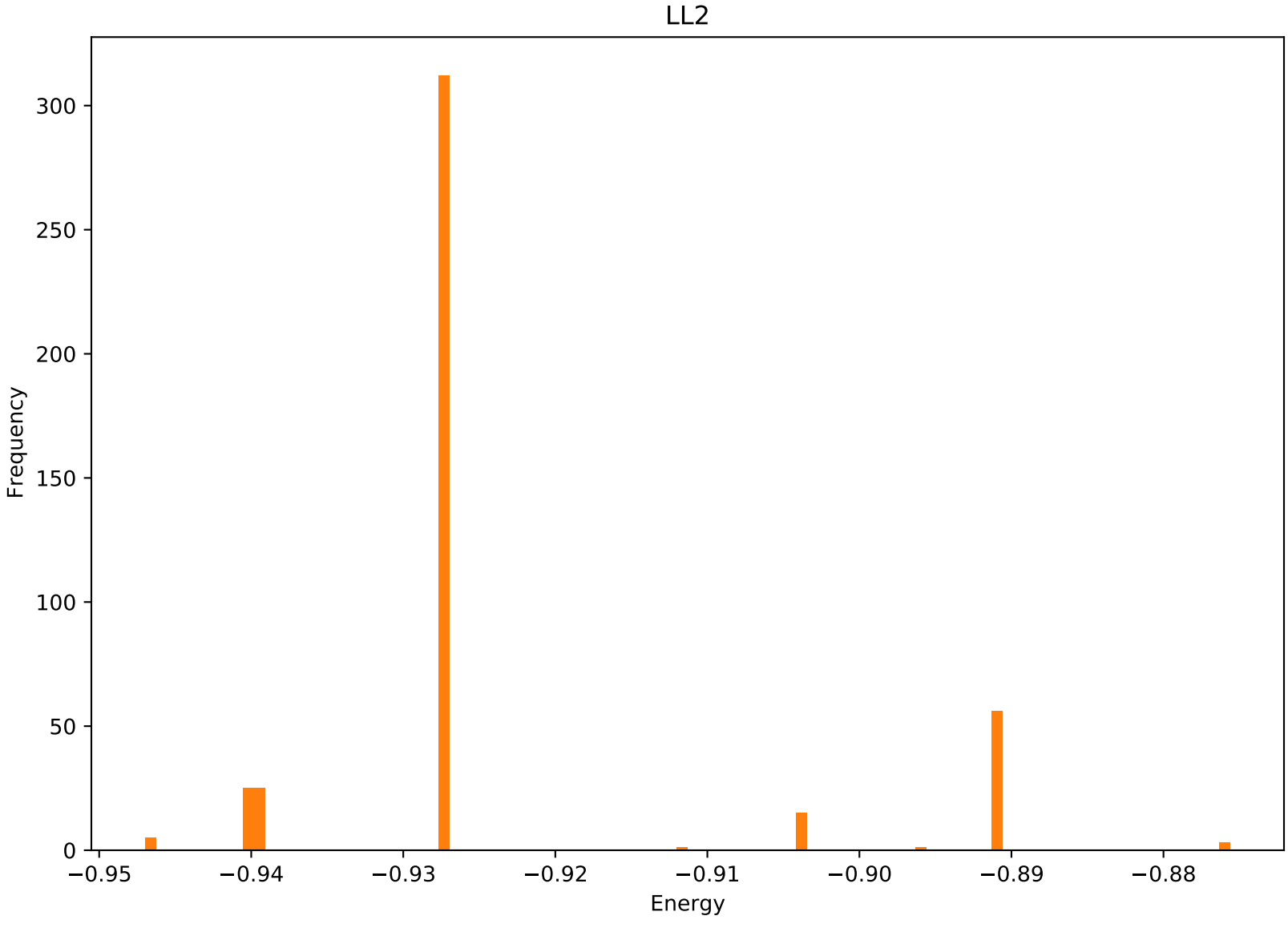

LI6
Frequency
300
250
200
150
100
50
0
−0.054
−0.052
−0.050
−0.048
−0.046
Energy

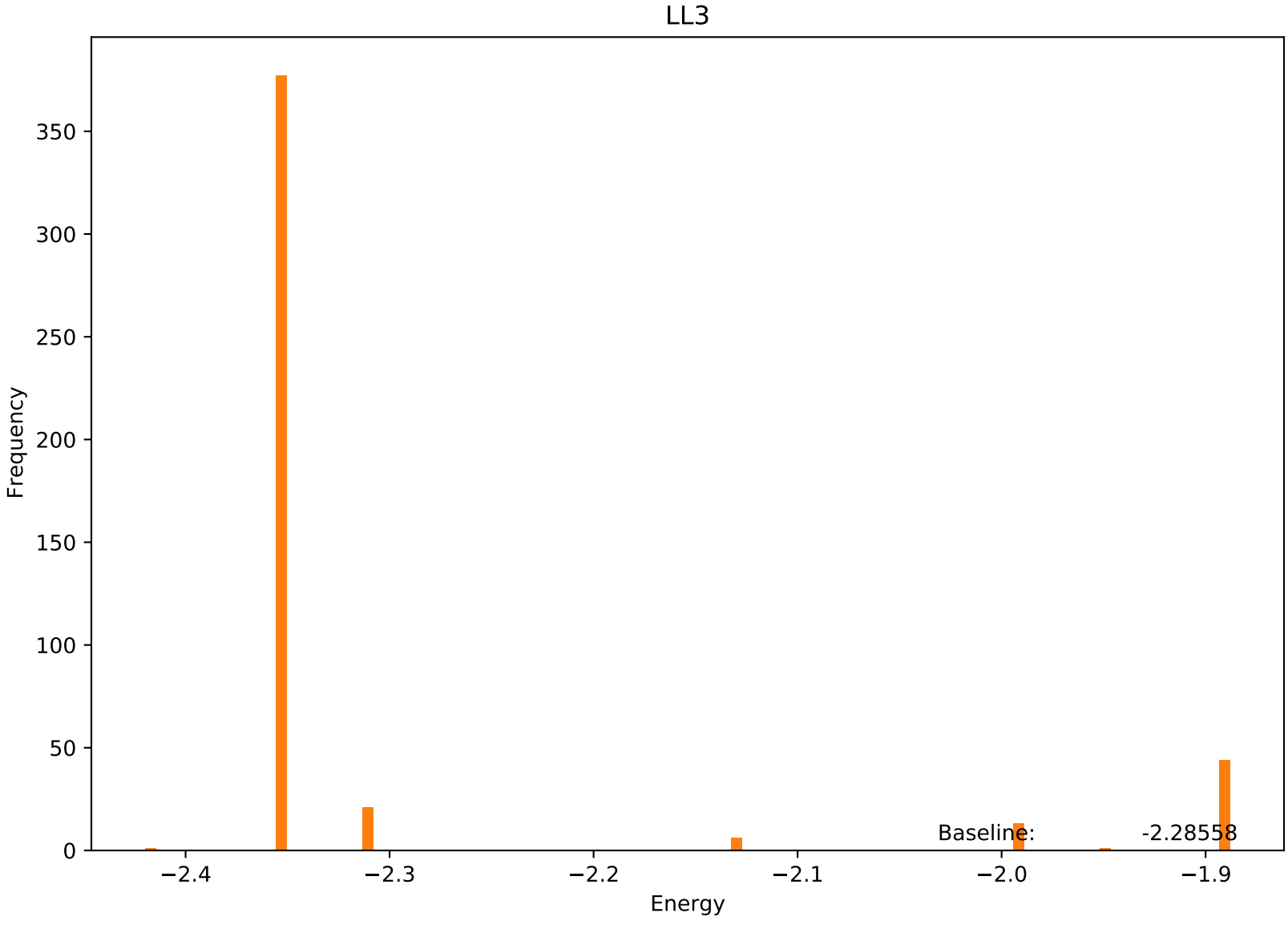

LI7
Frequency
250
200
150
100
50
0
−0.075
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

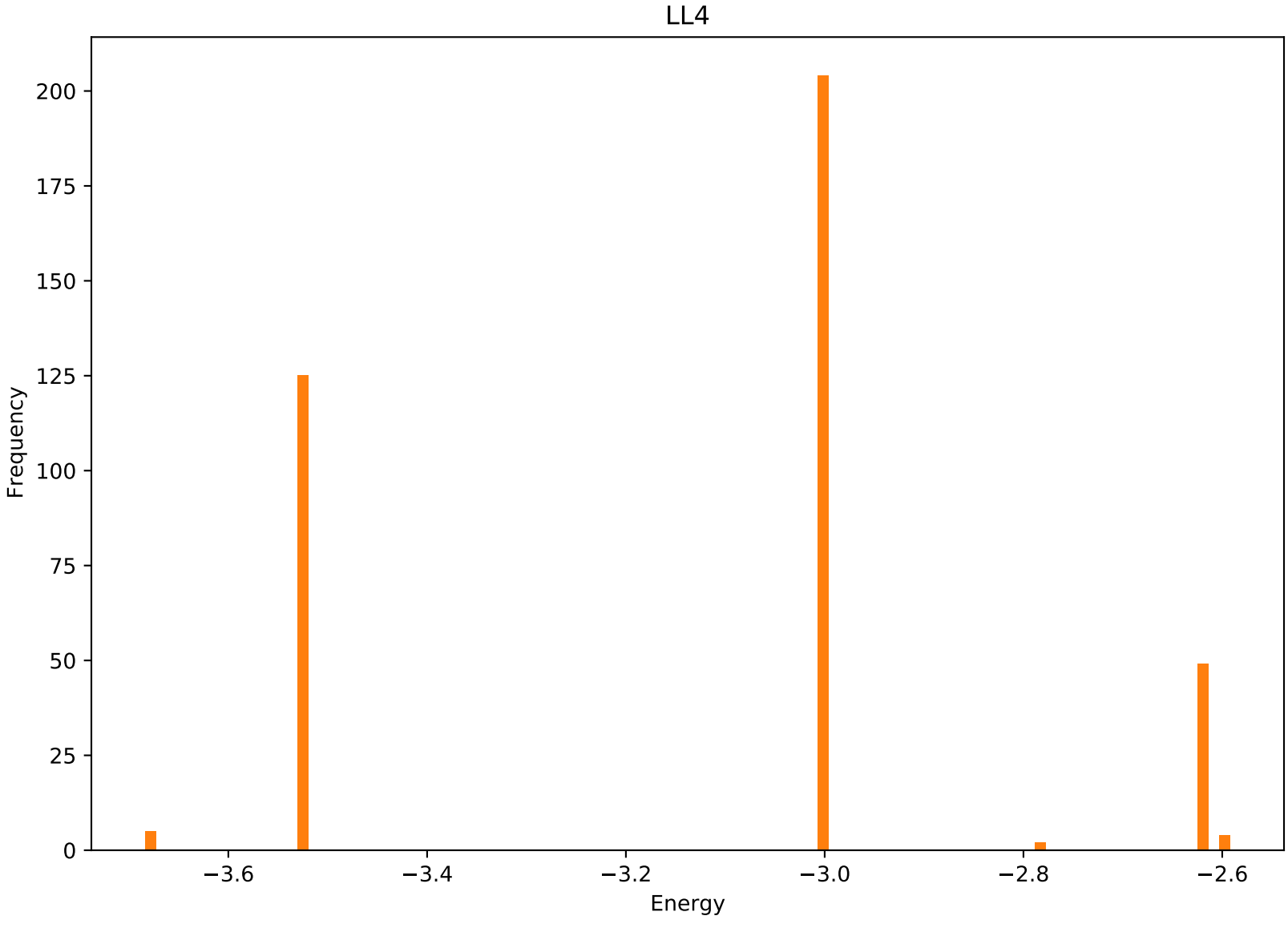

LI8
250
200
150
100
50
0
Frequency
−0.0112
−0.0110
−0.0108
−0.0106
−0.0104
−0.0102
−0.0100
−0.0098
−0.0096
Energy

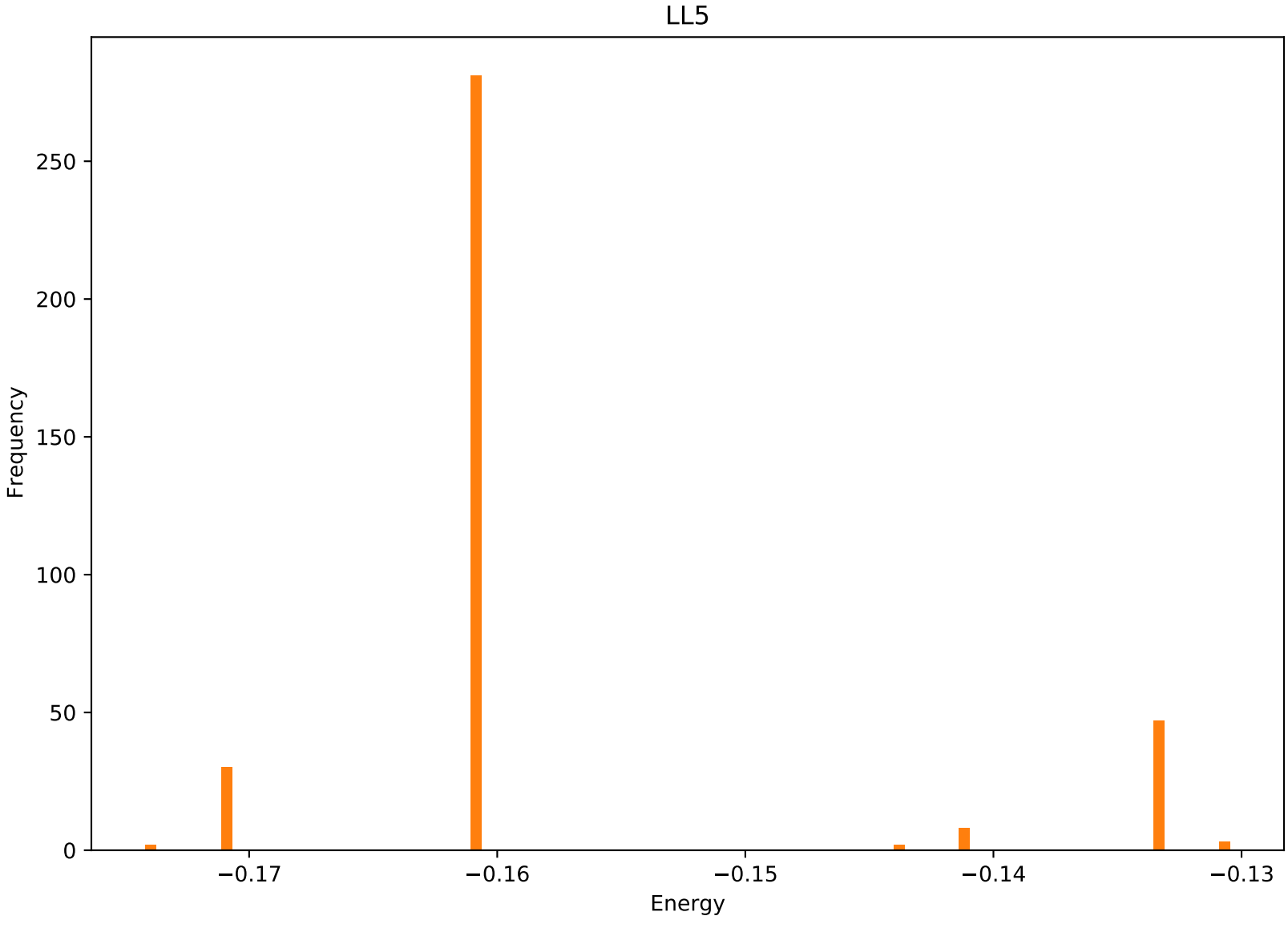

LI9
250
200
150
100
50
0
Frequency
−8
−6
−4
−2
Energy
1e−5

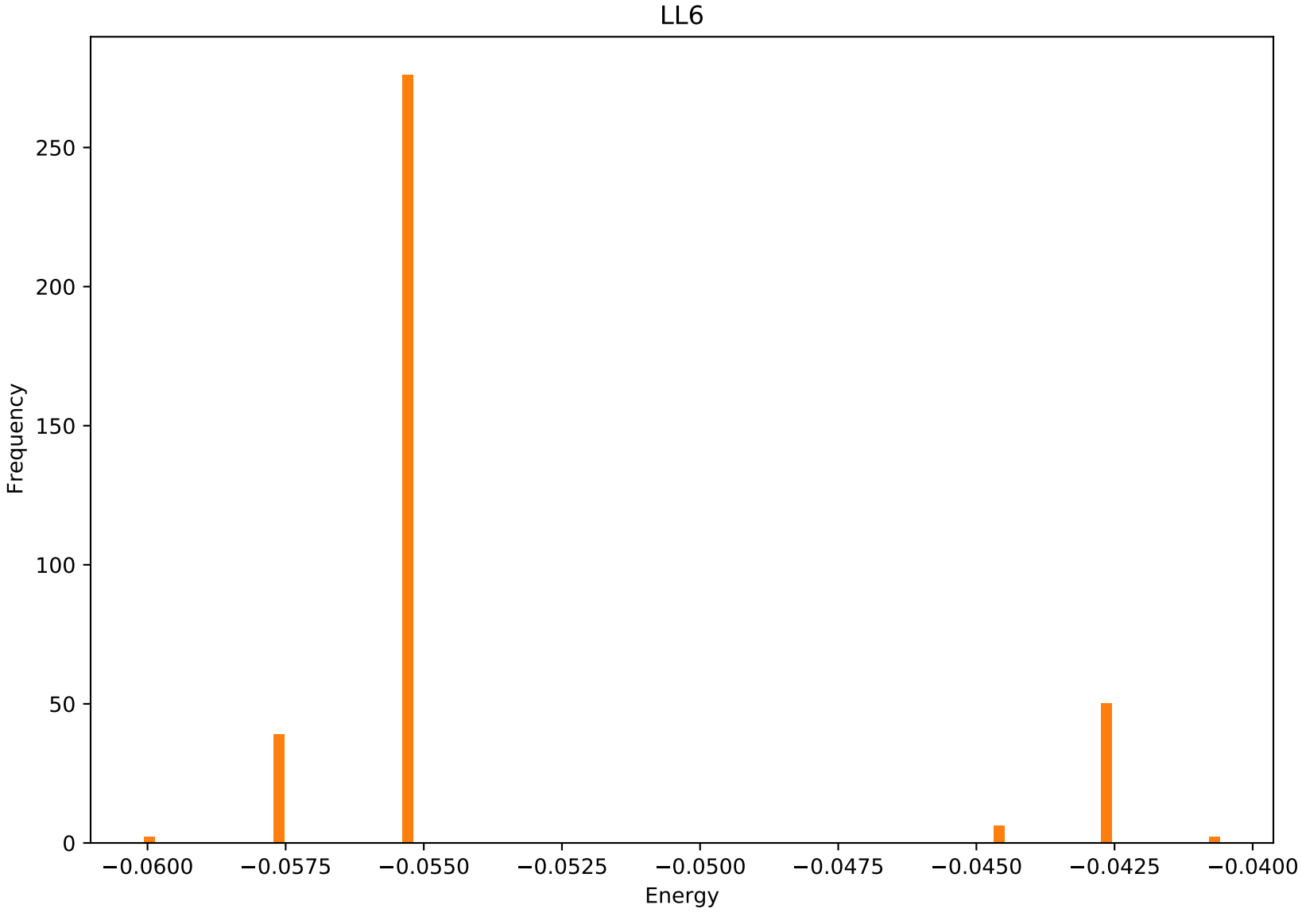

LL1
Frequency
Energy
0
50
100
150
200
250
300
350
1.4
1.5
1.6
1.7
1.8

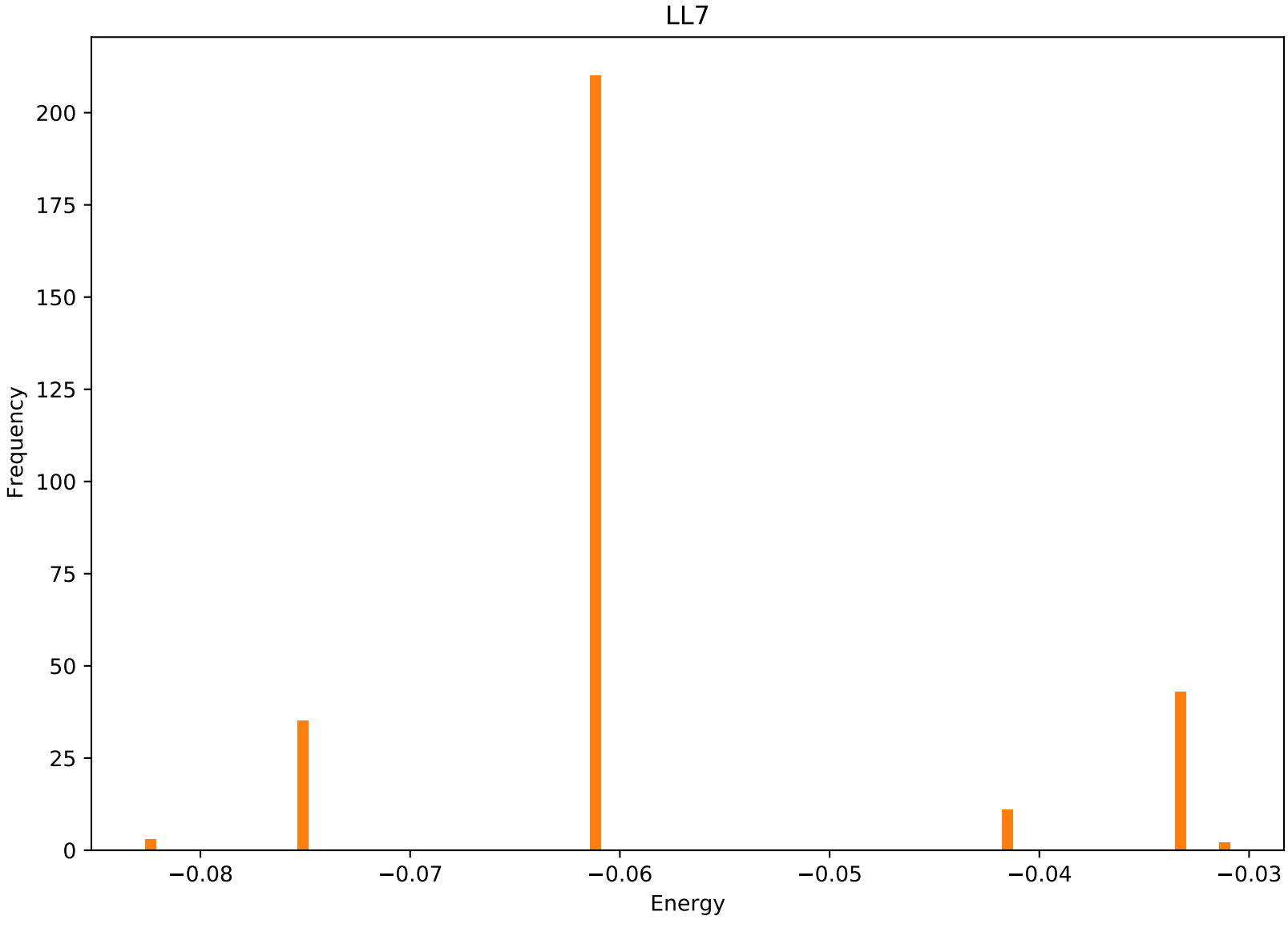

LL2
Frequency
Energy
0
50
100
150
200
250
300
−0.95
−0.94
−0.93
−0.92
−0.91
−0.90
−0.89
−0.88

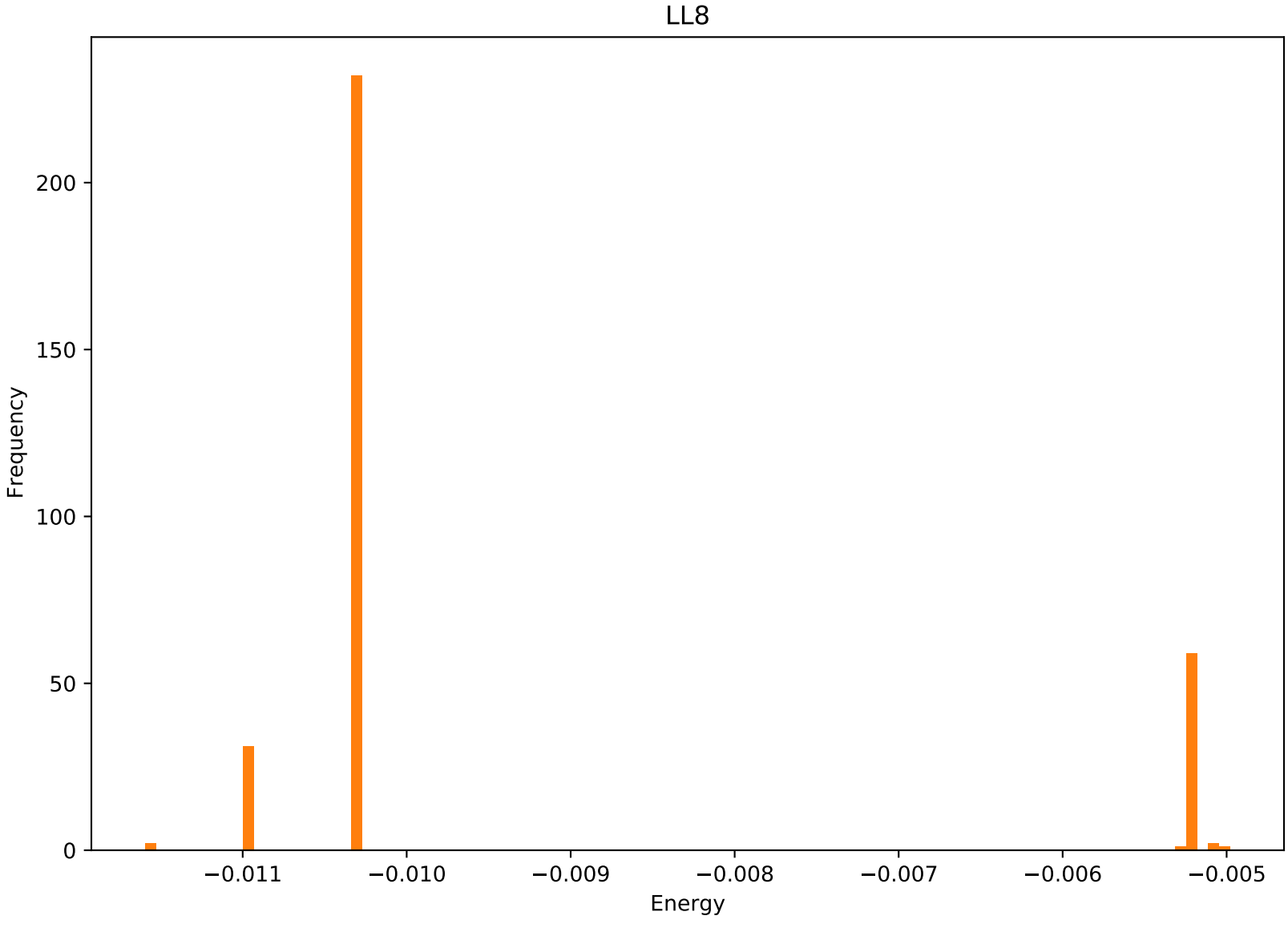

LL3
Frequency
Energy
Baseline:
-2.28558
0
50
100
150
200
250
300
350
−2.4
−2.3
−2.2
−2.1
−2.0
−1.9

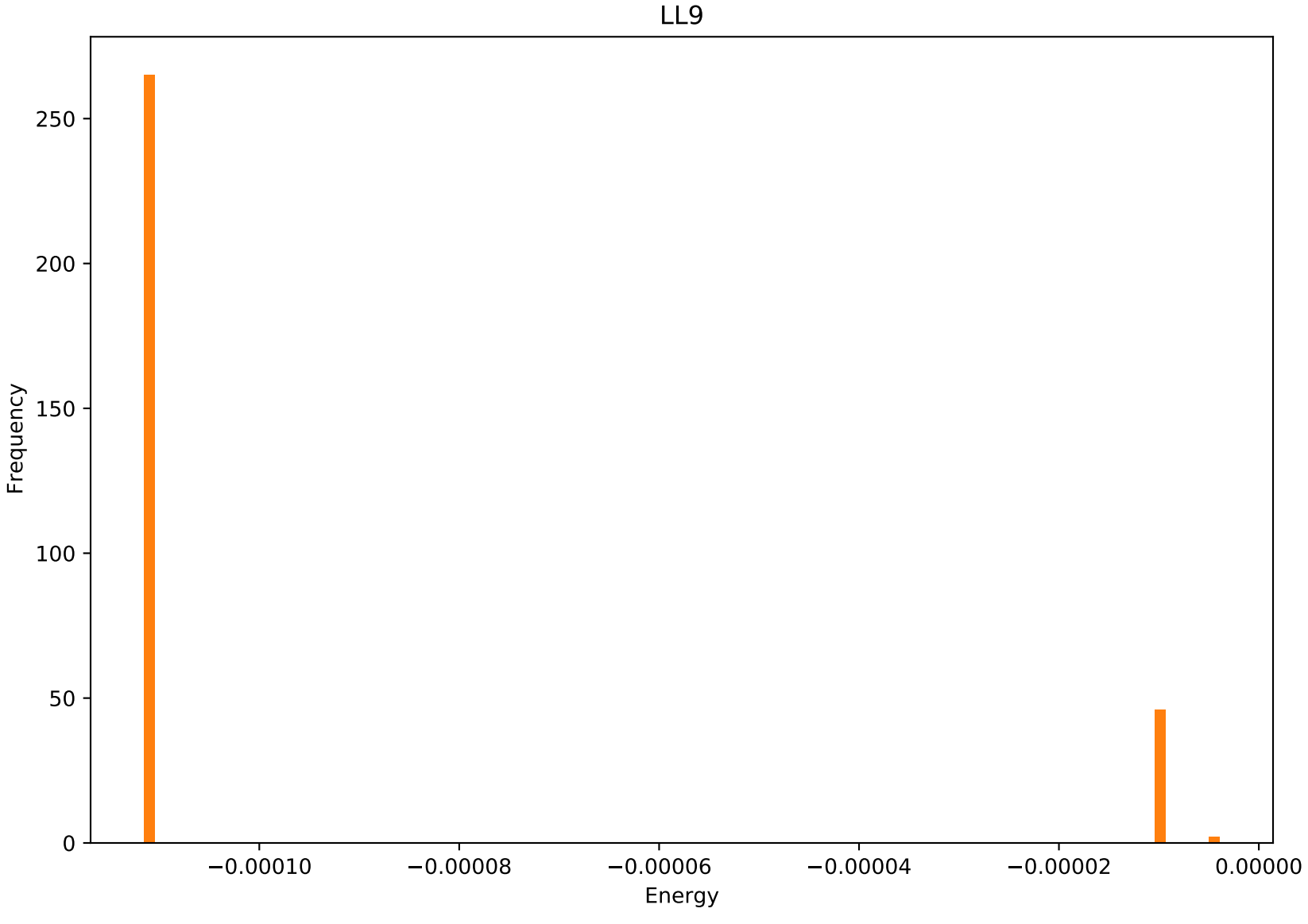

LL4
Frequency
200
175
150
125
100
75
50
25
0
−3.6
−3.4
−3.2
−3.0
−2.8
−2.6
Energy

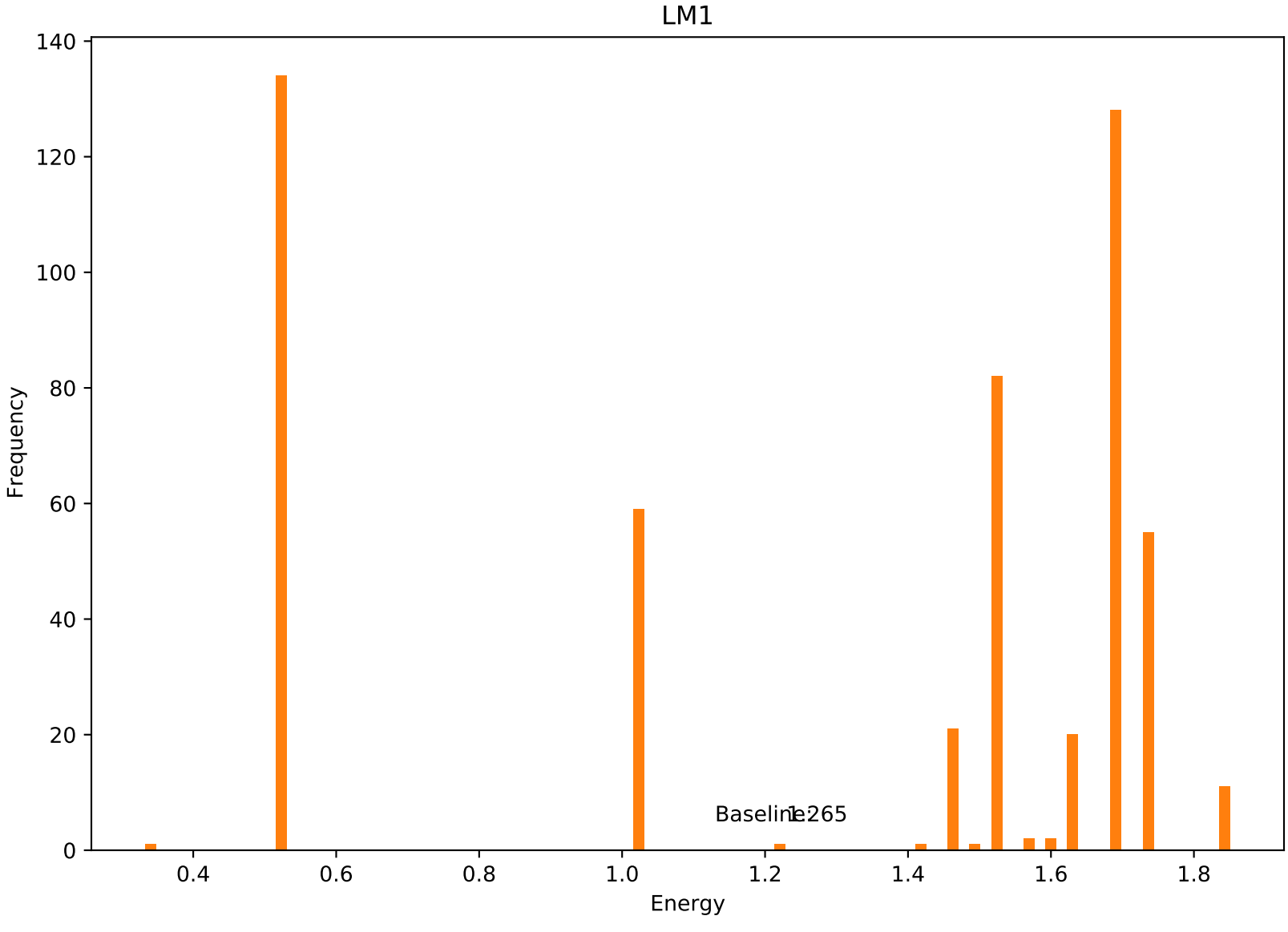

LL5
Frequency
250
200
150
100
50
0
−0.17
−0.16
−0.15
−0.14
−0.13
Energy

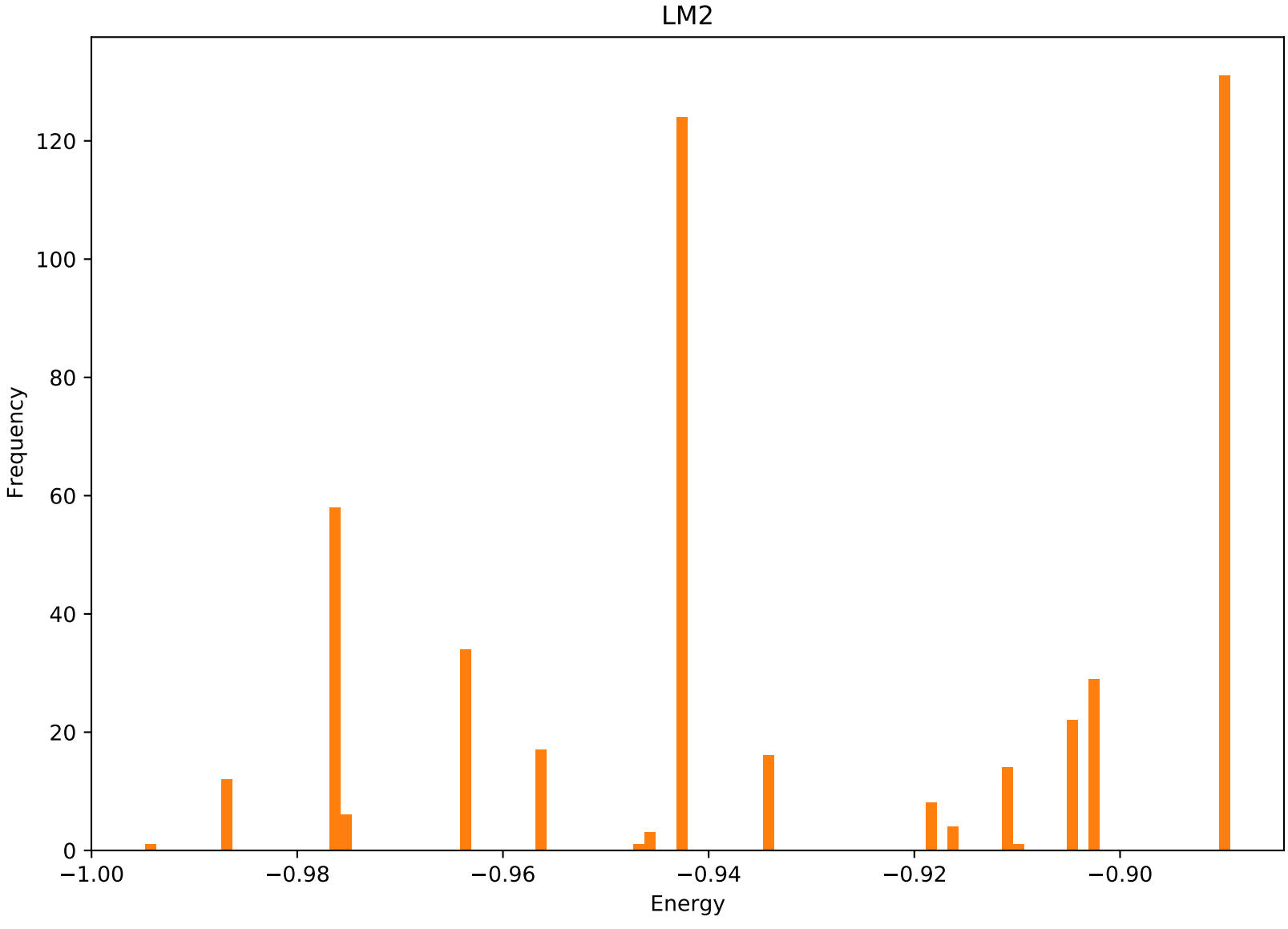

LL6
Frequency
250
200
150
100
50
0
−0.0600
−0.0575
−0.0550
−0.0525
−0.0500
−0.0475
−0.0450
−0.0425
−0.0400
Energy

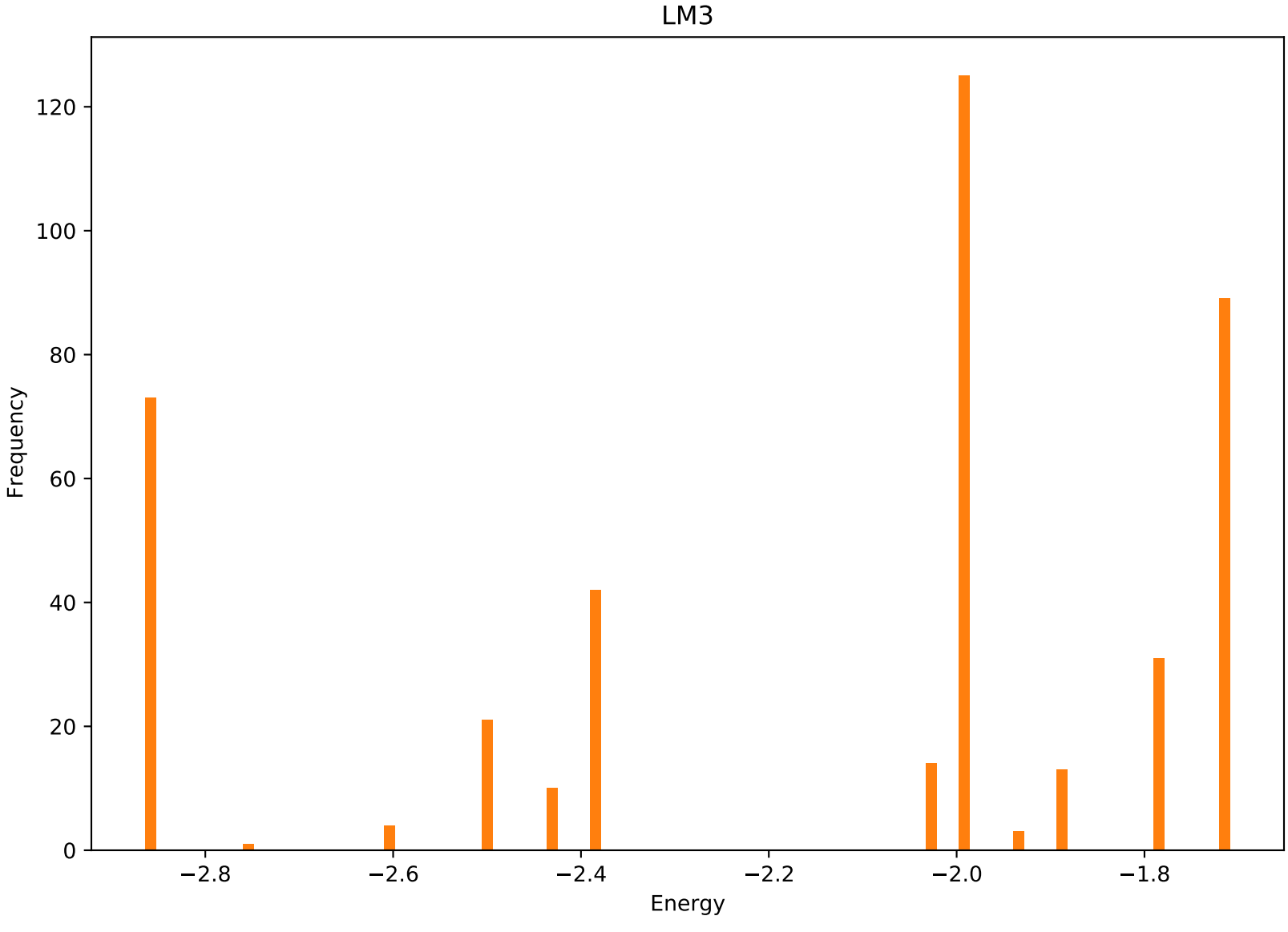

LL7
Frequency
200
175
150
125
100
75
50
25
0
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03
Energy

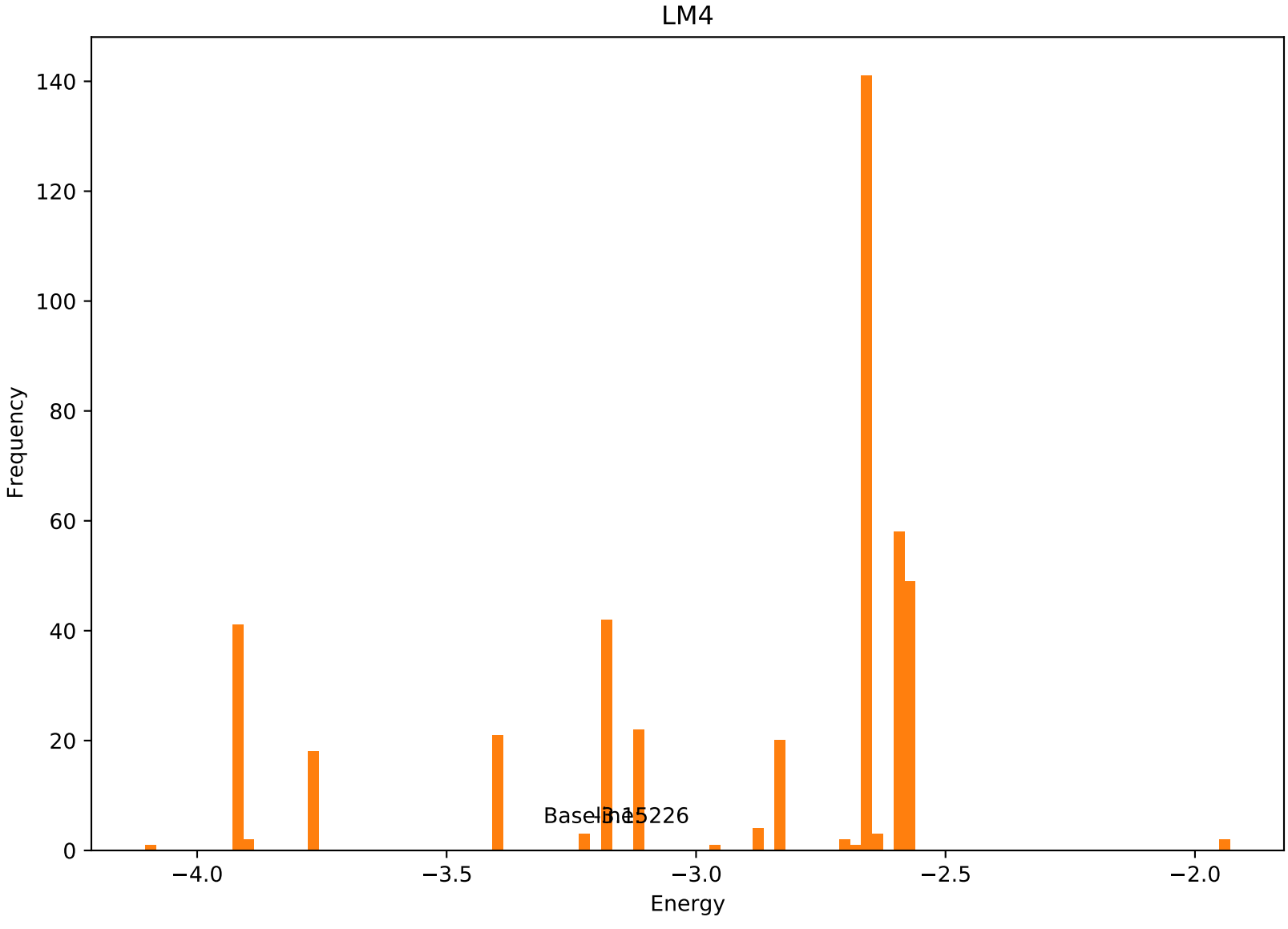

LL8
Frequency
200
150
100
50
0
−0.011
−0.010
−0.009
−0.008
−0.007
−0.006
−0.005
Energy

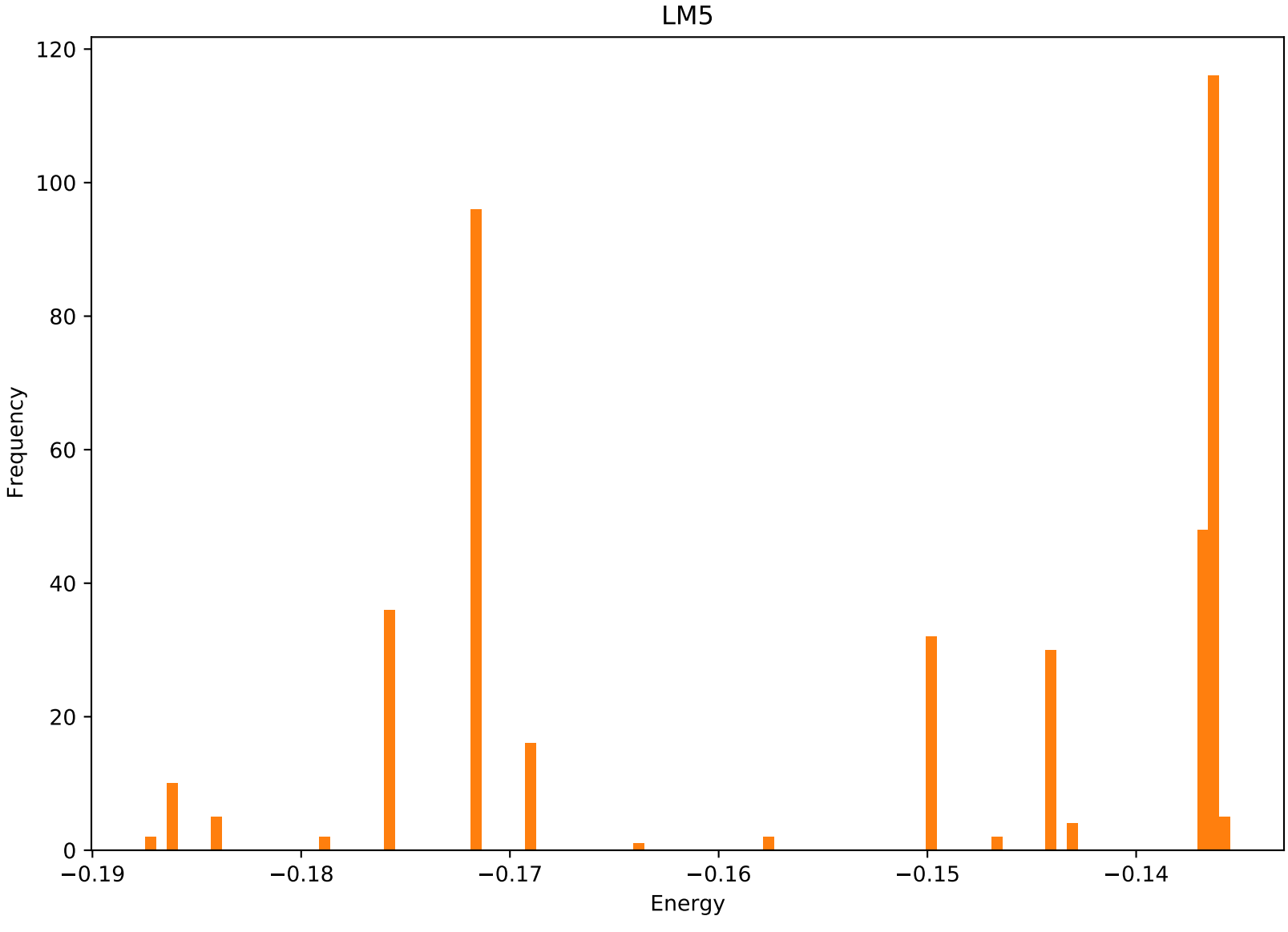

LL9
Frequency
250
200
150
100
50
0
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

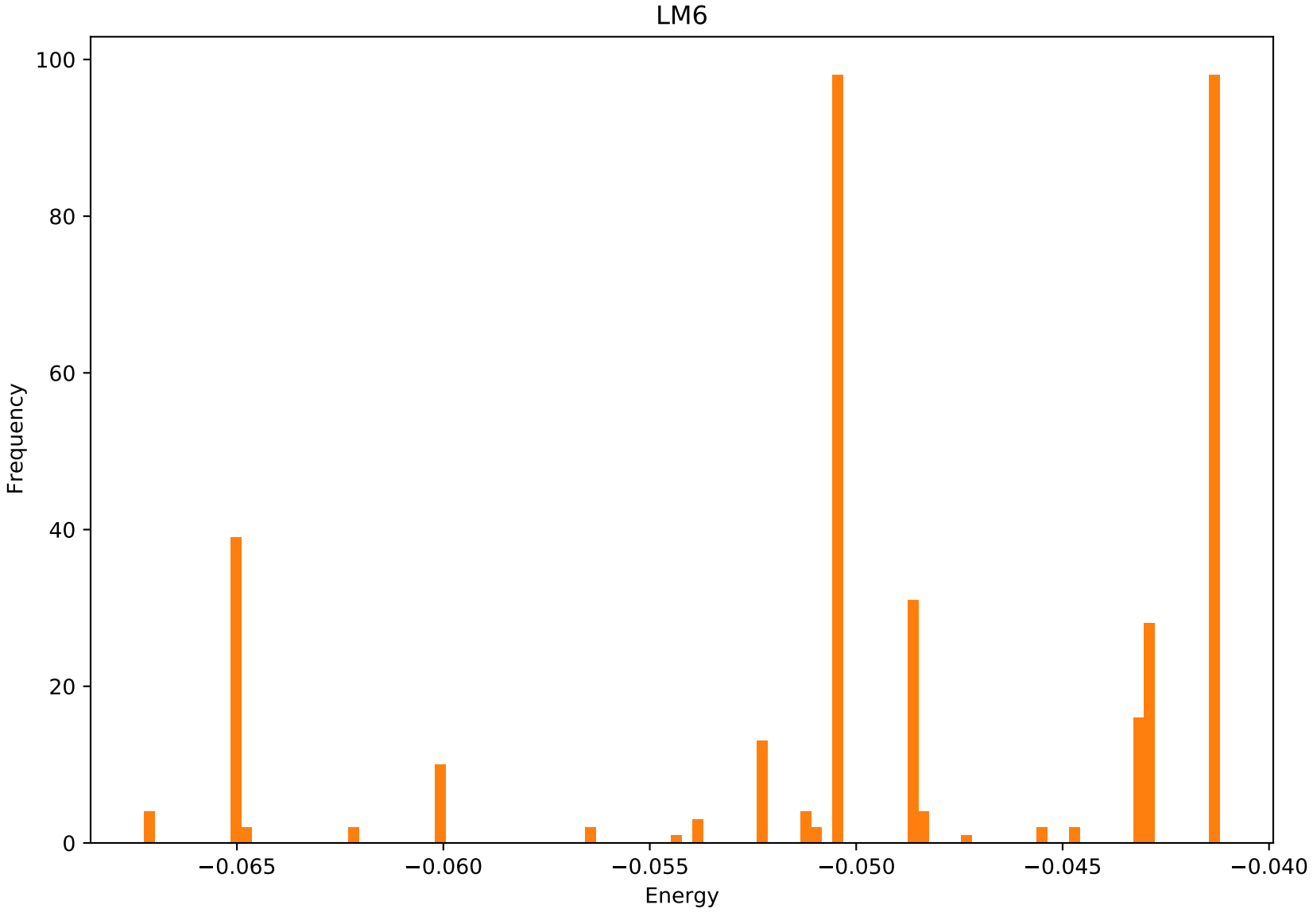

LM1
Frequency
Energy
0
20
40
60
80
100
120
140
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
Baseline: 1.265

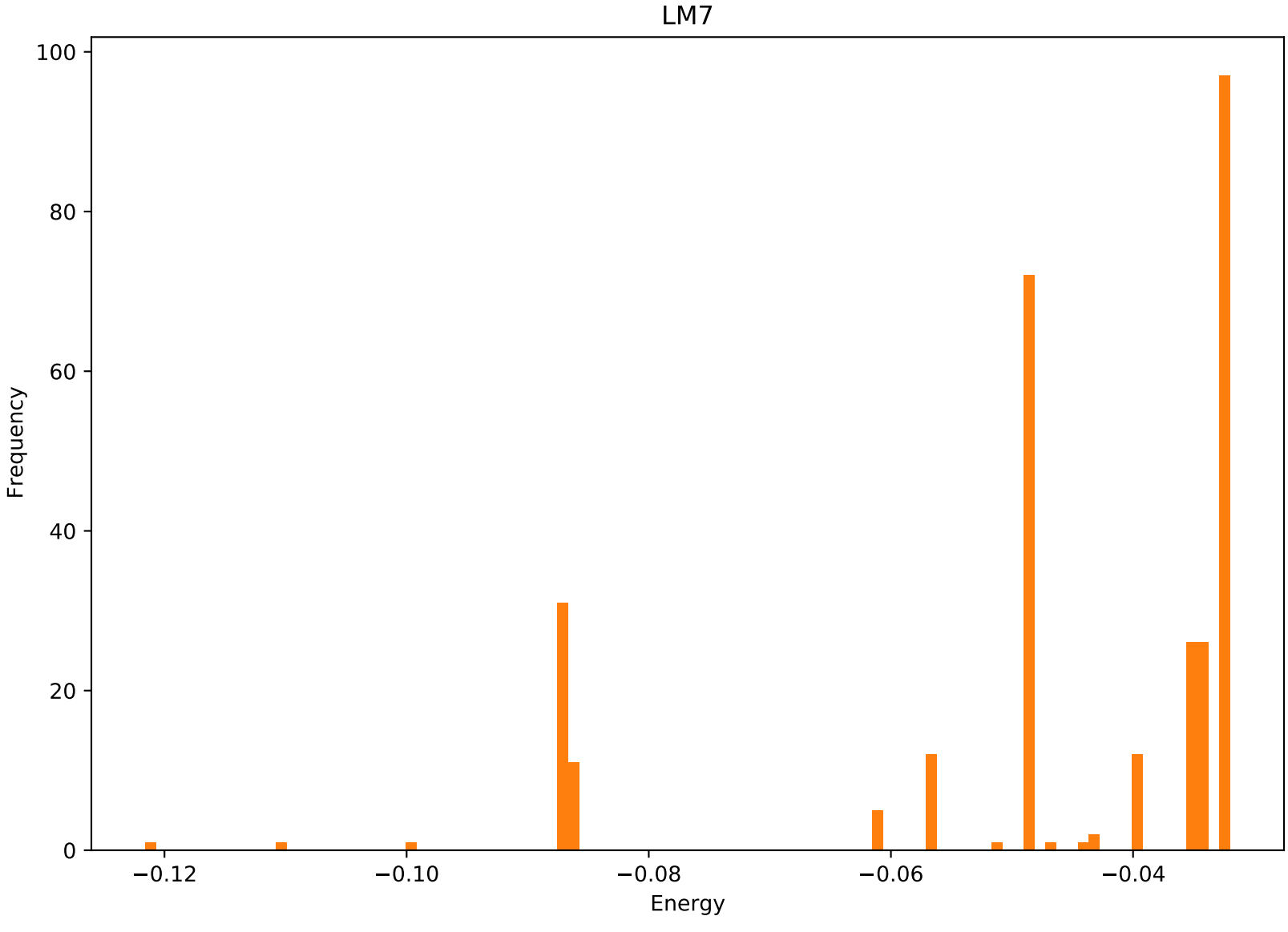

LM2
Frequency
Energy
0
20
40
60
80
100
120
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90

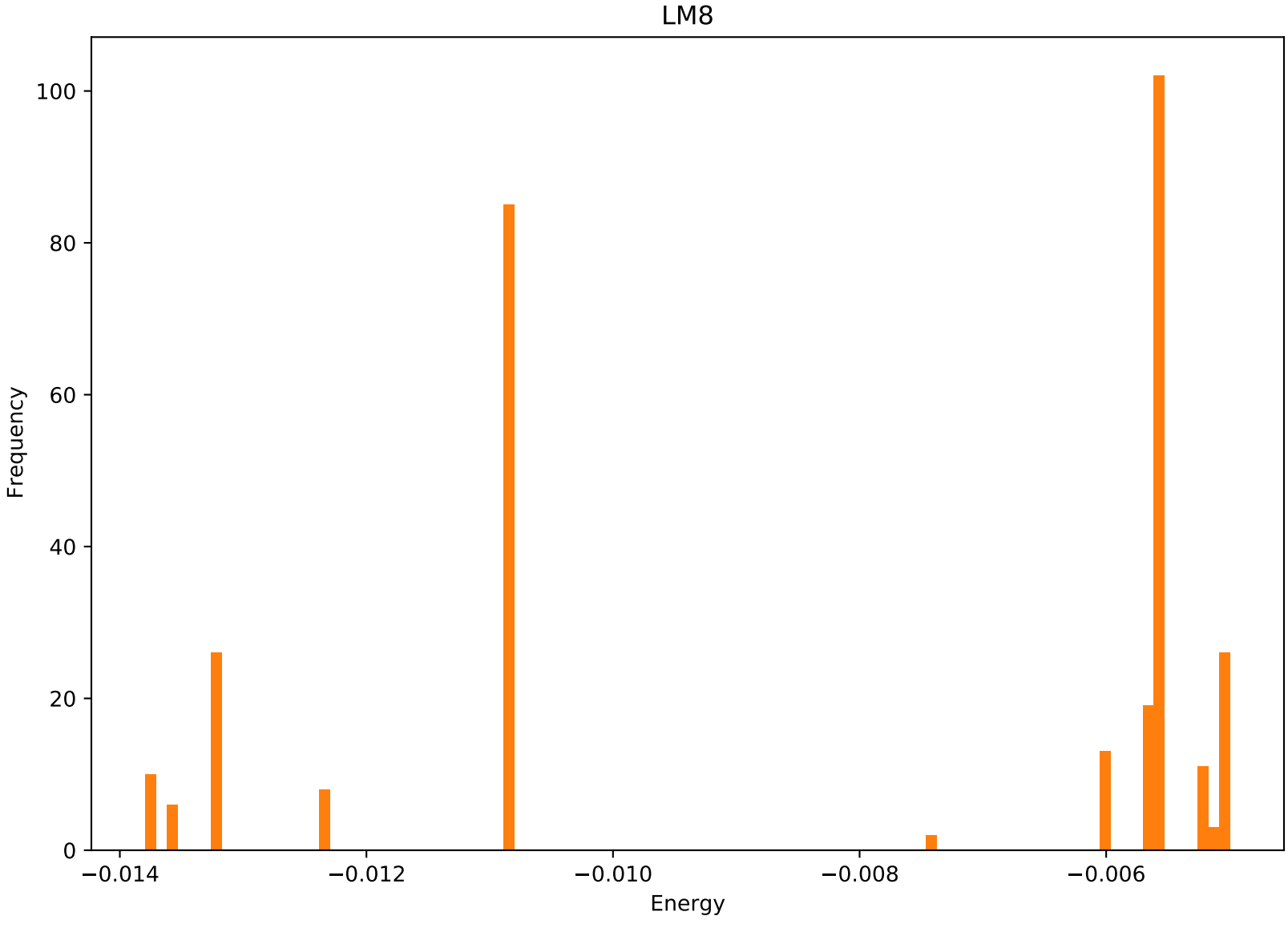

LM3
Frequency
Energy
0
20
40
60
80
100
120
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

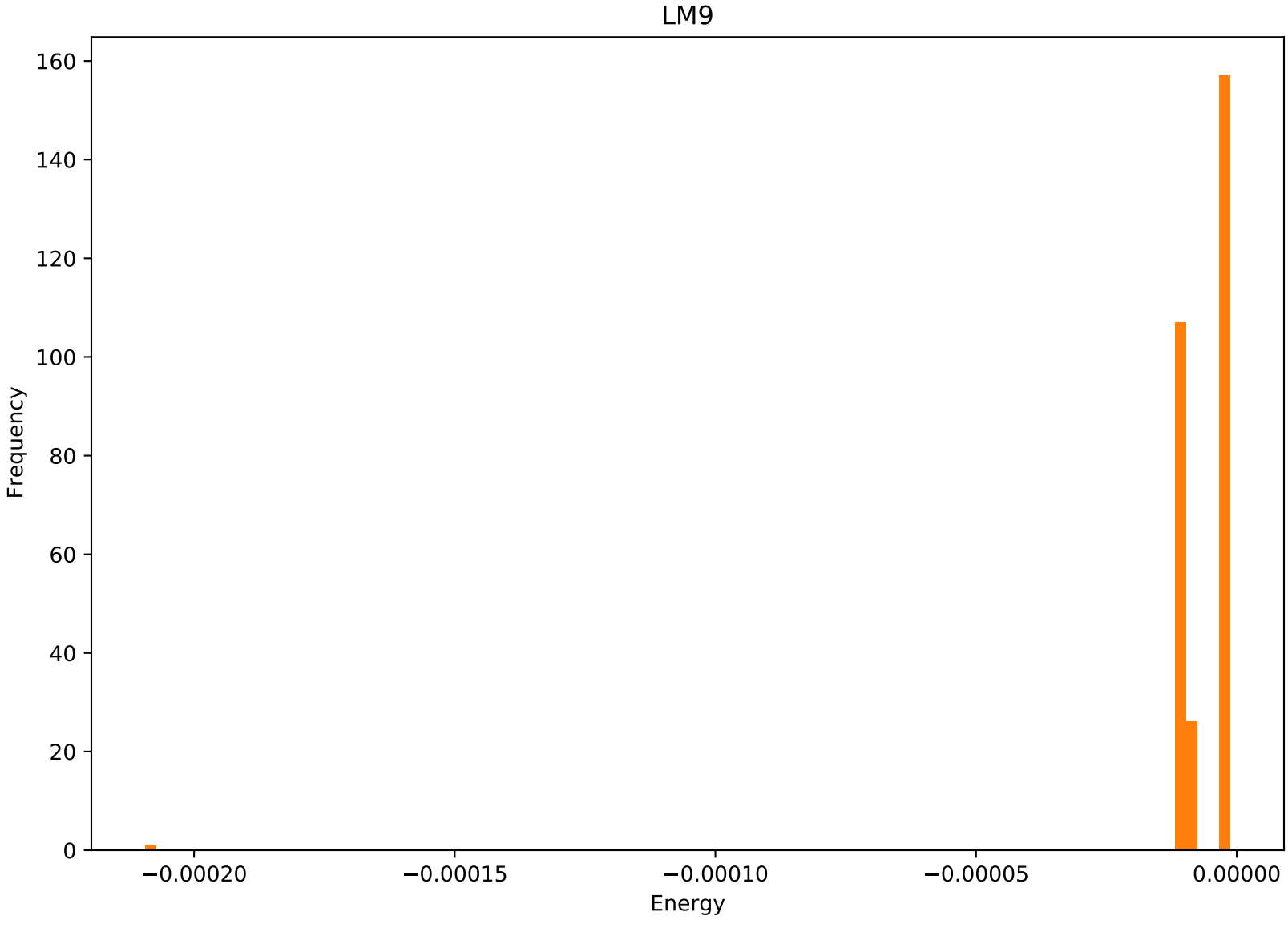

LM4
Frequency
Energy
0
20
40
60
80
100
120
140
−4.0
−3.5
−3.0
−2.5
−2.0
Baseline: 15226

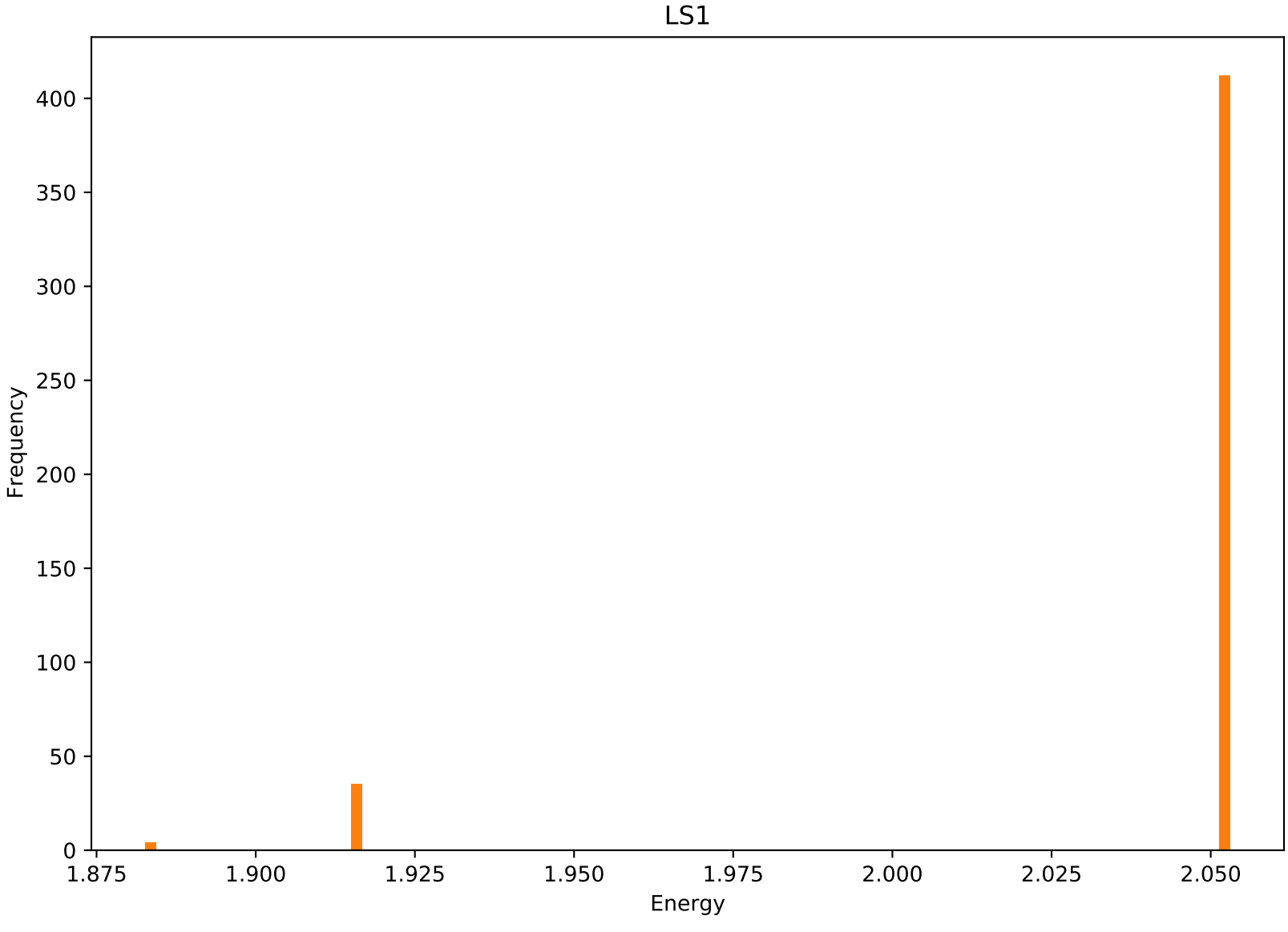

LM5
Frequency
Energy
120
100
80
60
40
20
0
−0.19
−0.18
−0.17
−0.16
−0.15
−0.14

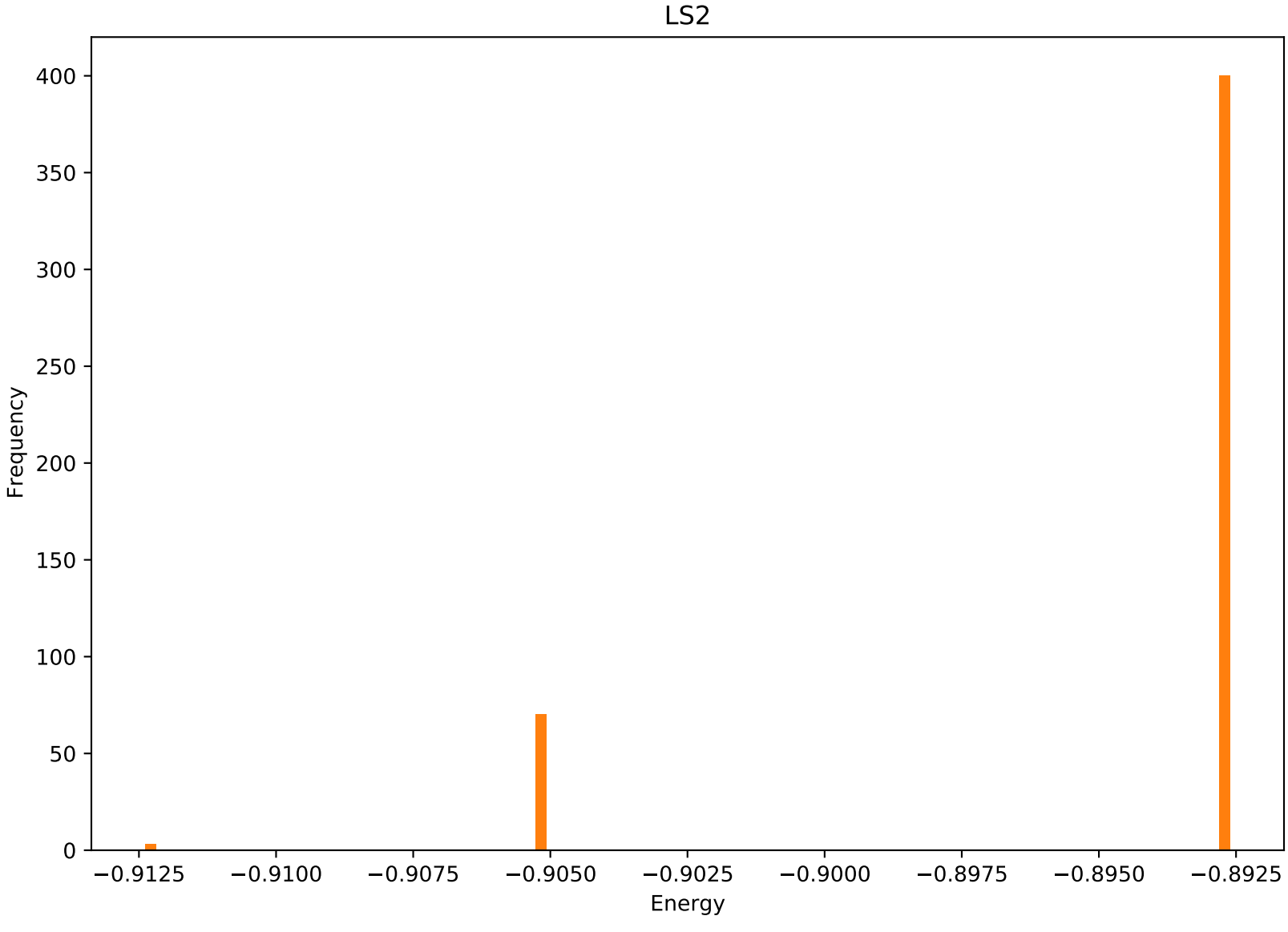

LM6
Frequency
Energy
100
80
60
40
20
0
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040

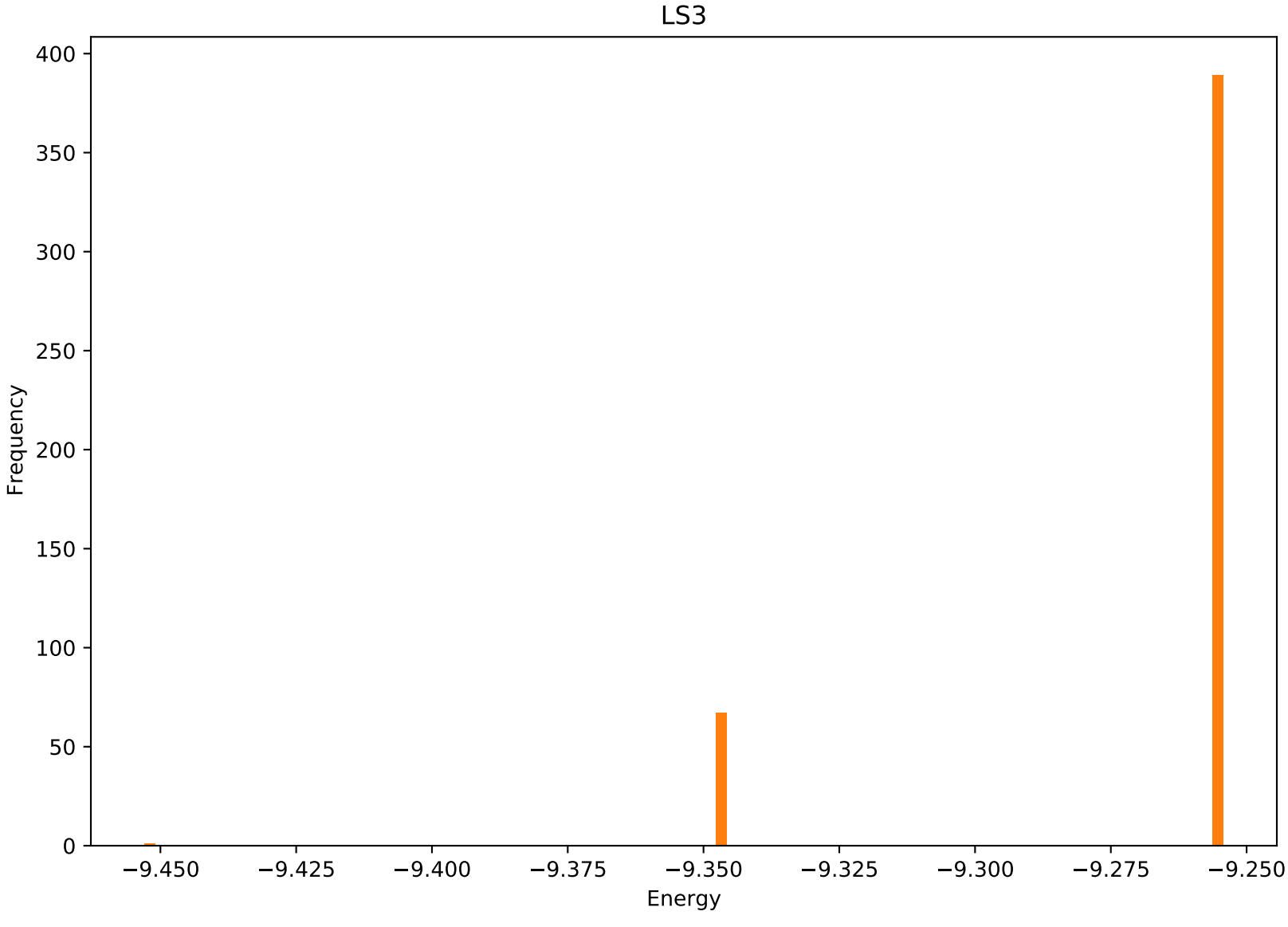

LM7
Frequency
Energy
0
20
40
60
80
100
−0.12
−0.10
−0.08
−0.06
−0.04

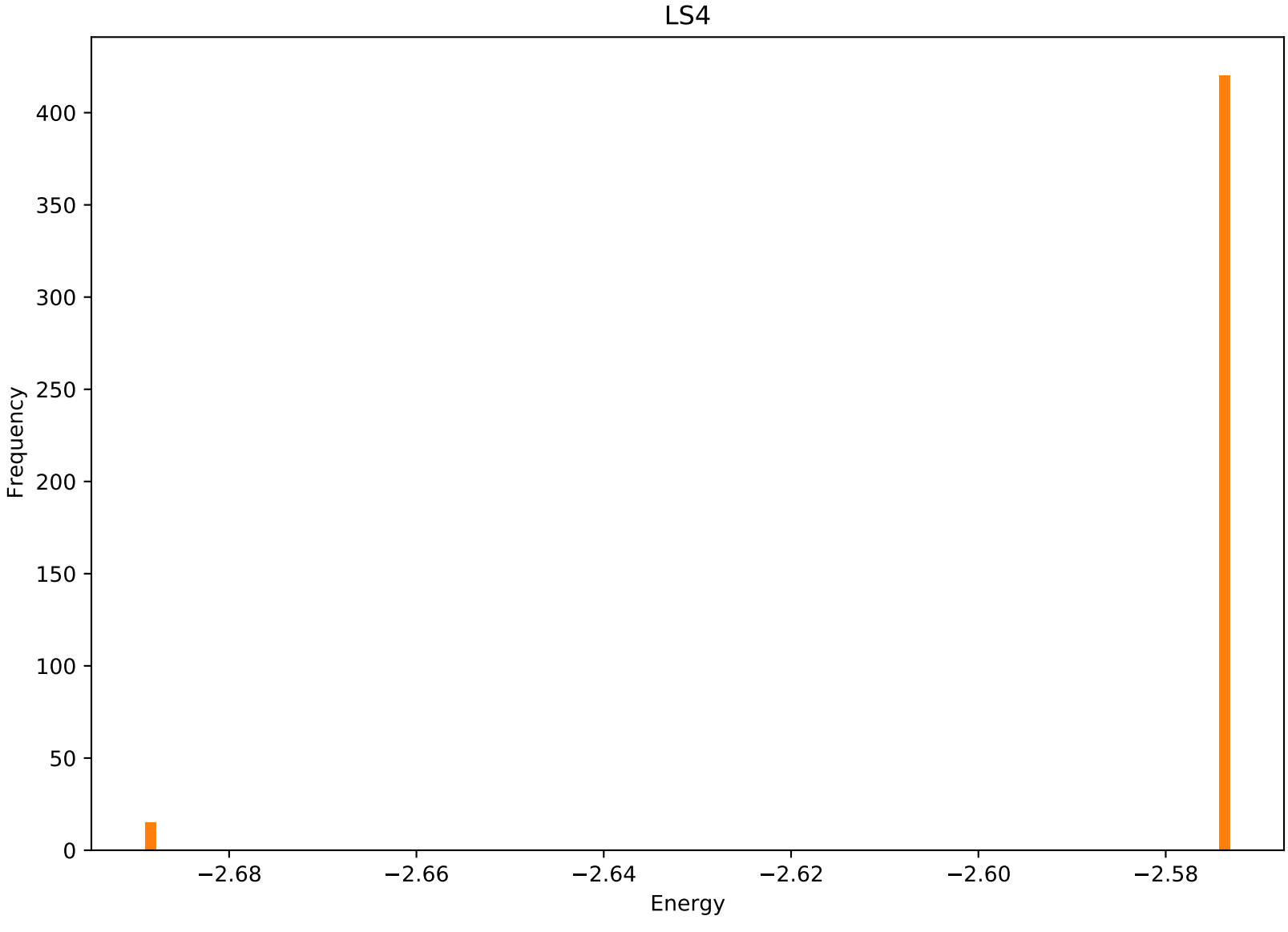

LM8
Frequency
Energy
0
20
40
60
80
100
−0.014
−0.012
−0.010
−0.008
−0.006

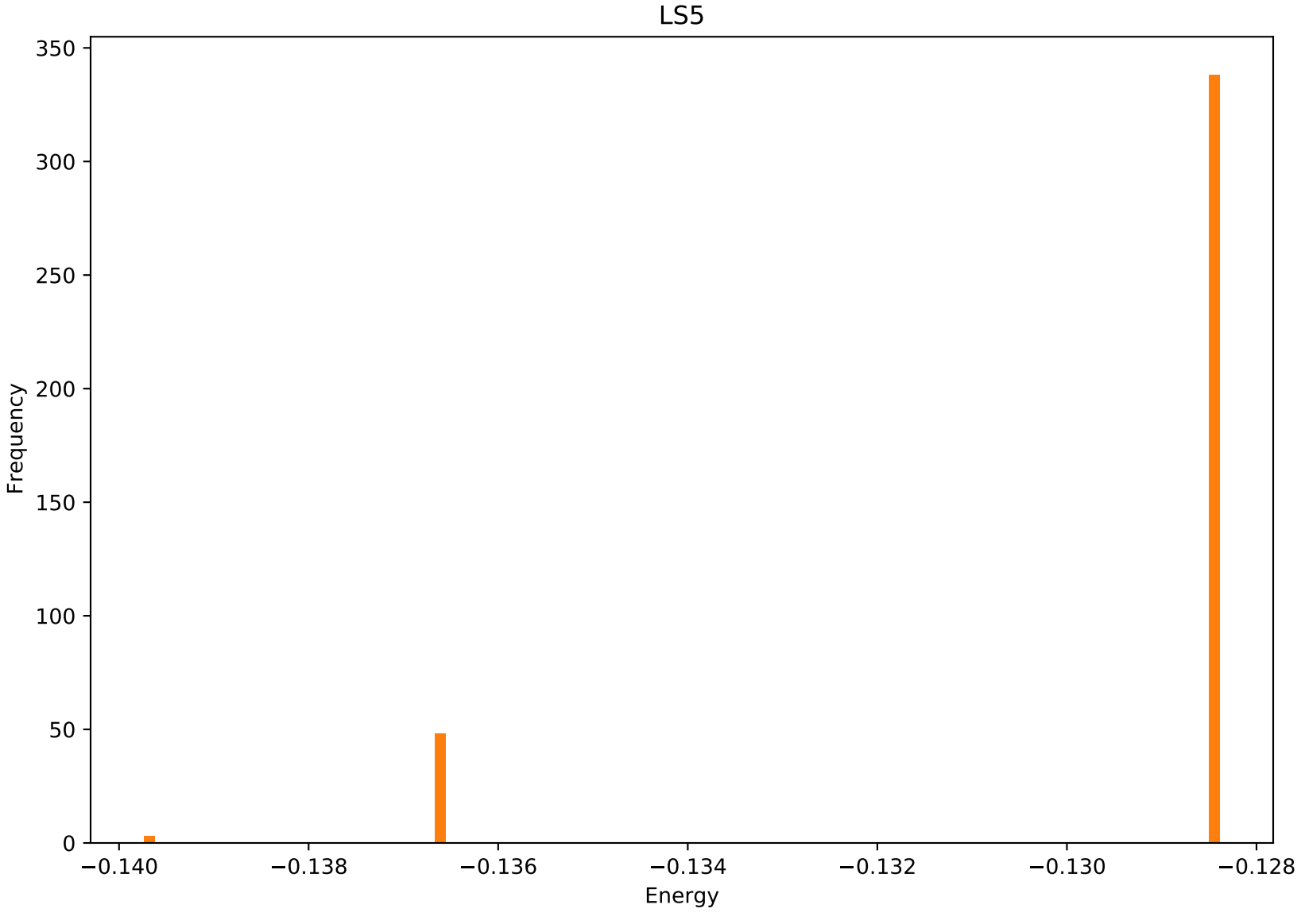

LM9
160
140
120
100
80
60
40
20
0
Frequency
−0.00020
−0.00015
−0.00010
−0.00005
0.00000
Energy

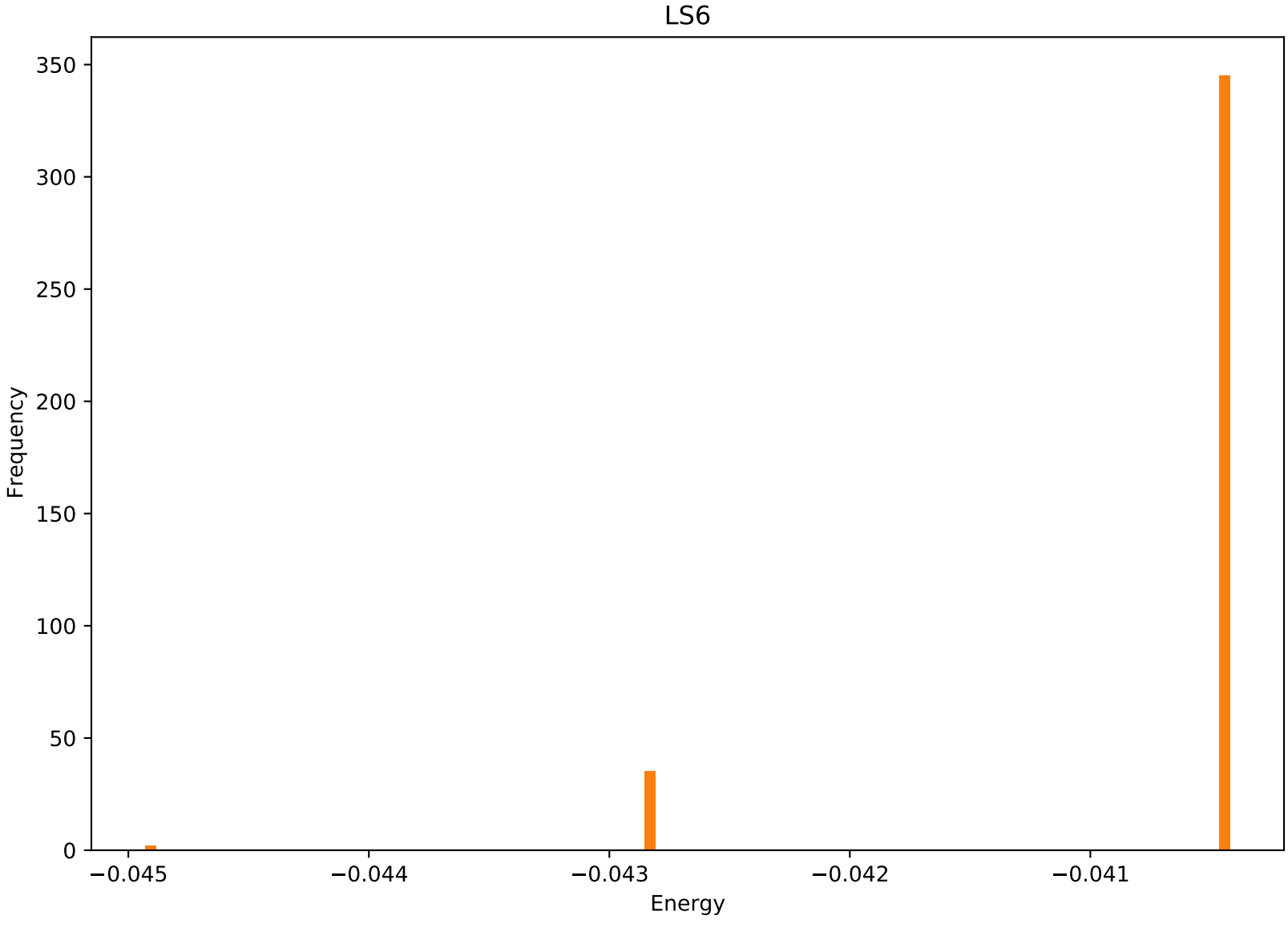

LS1
Frequency
0
50
100
150
200
250
300
350
400
1.875
1.900
1.925
1.950
1.975
2.000
2.025
2.050
Energy

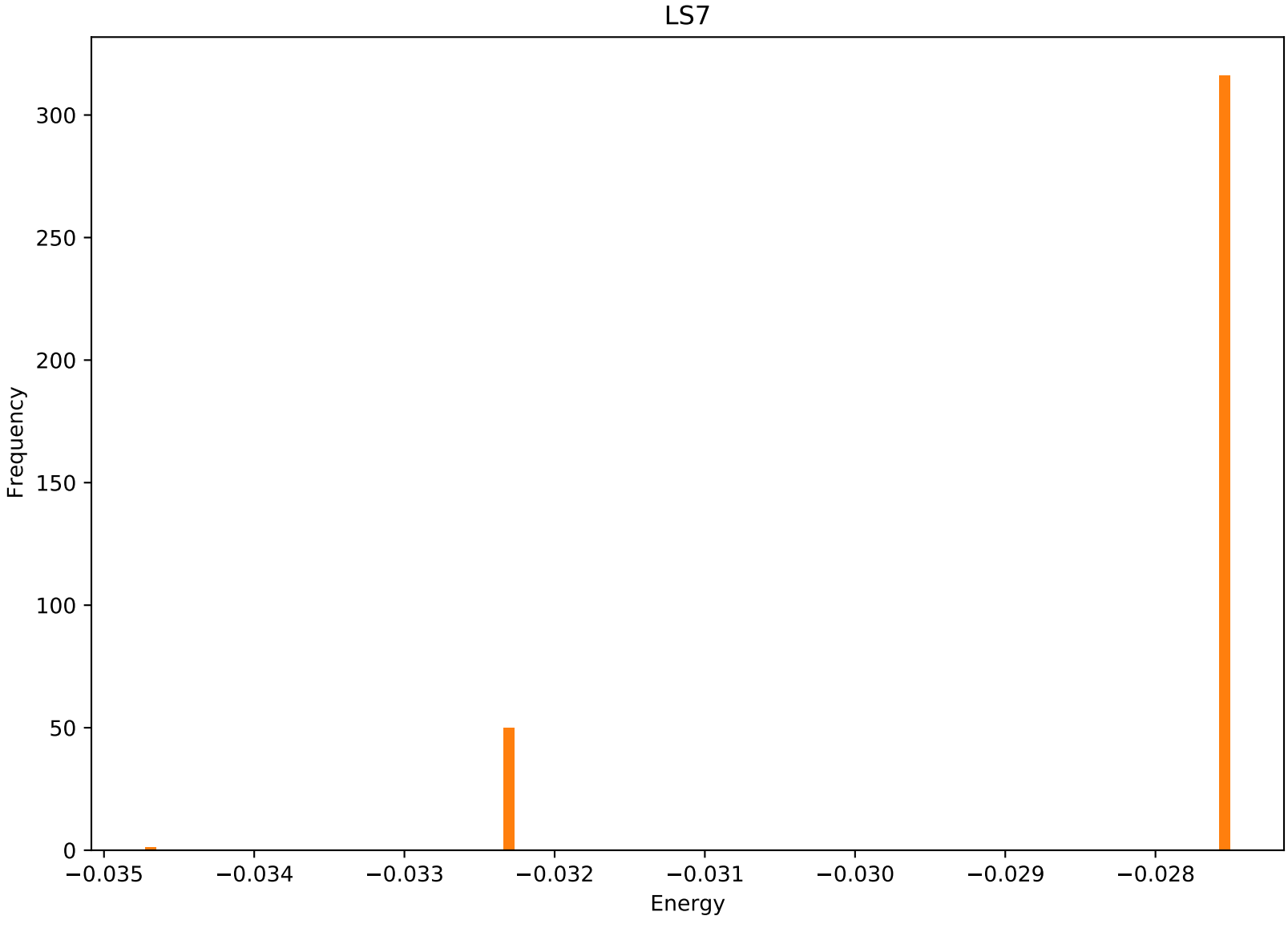

LS2
Frequency
Energy
0
50
100
150
200
250
300
350
400
−0.9125
−0.9100
−0.9075
−0.9050
−0.9025
−0.9000
−0.8975
−0.8950
−0.8925

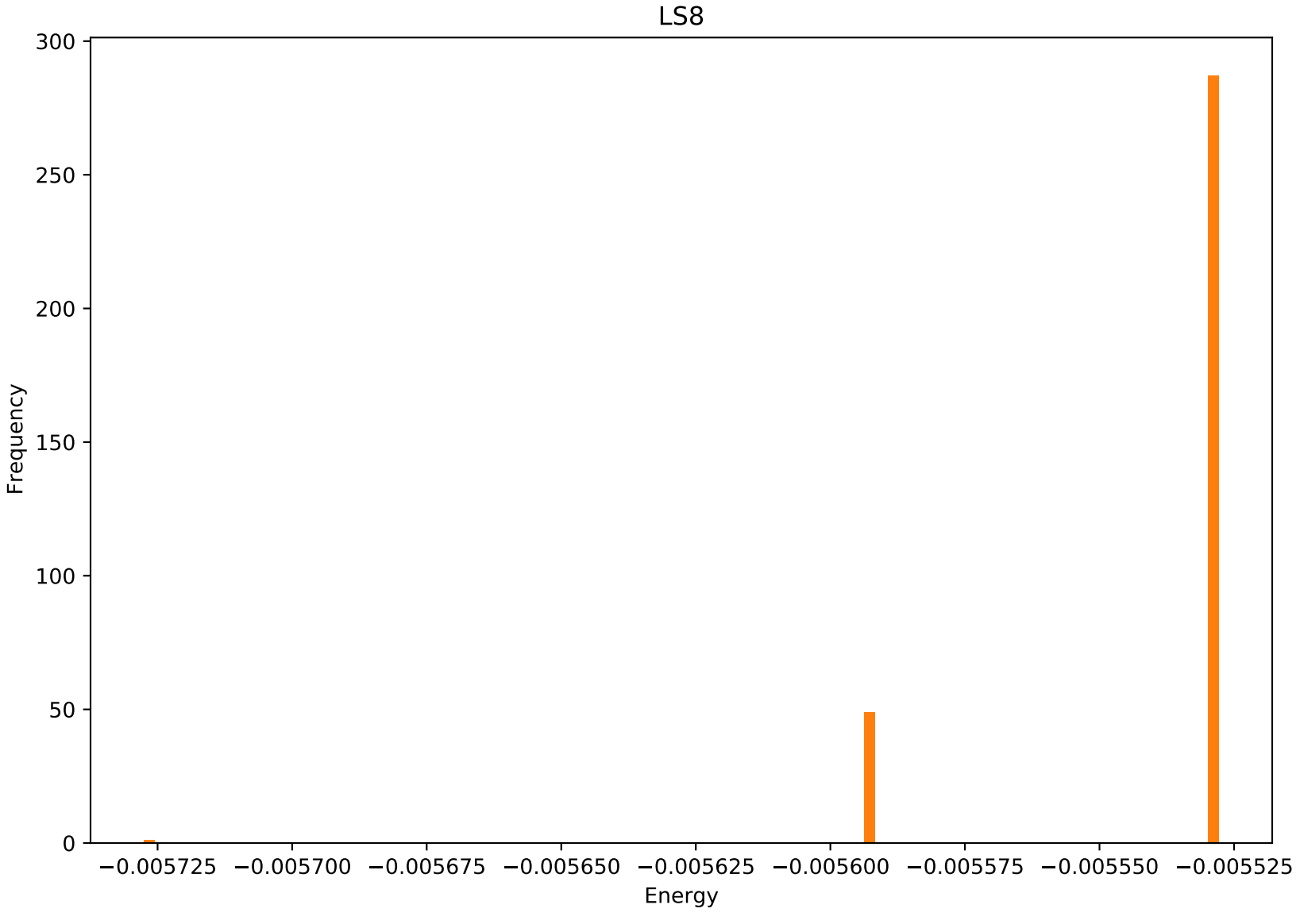

LS3
Frequency
Energy
400
350
300
250
200
150
100
50
0
−9.450
−9.425
−9.400
−9.375
−9.350
−9.325
−9.300
−9.275
−9.250

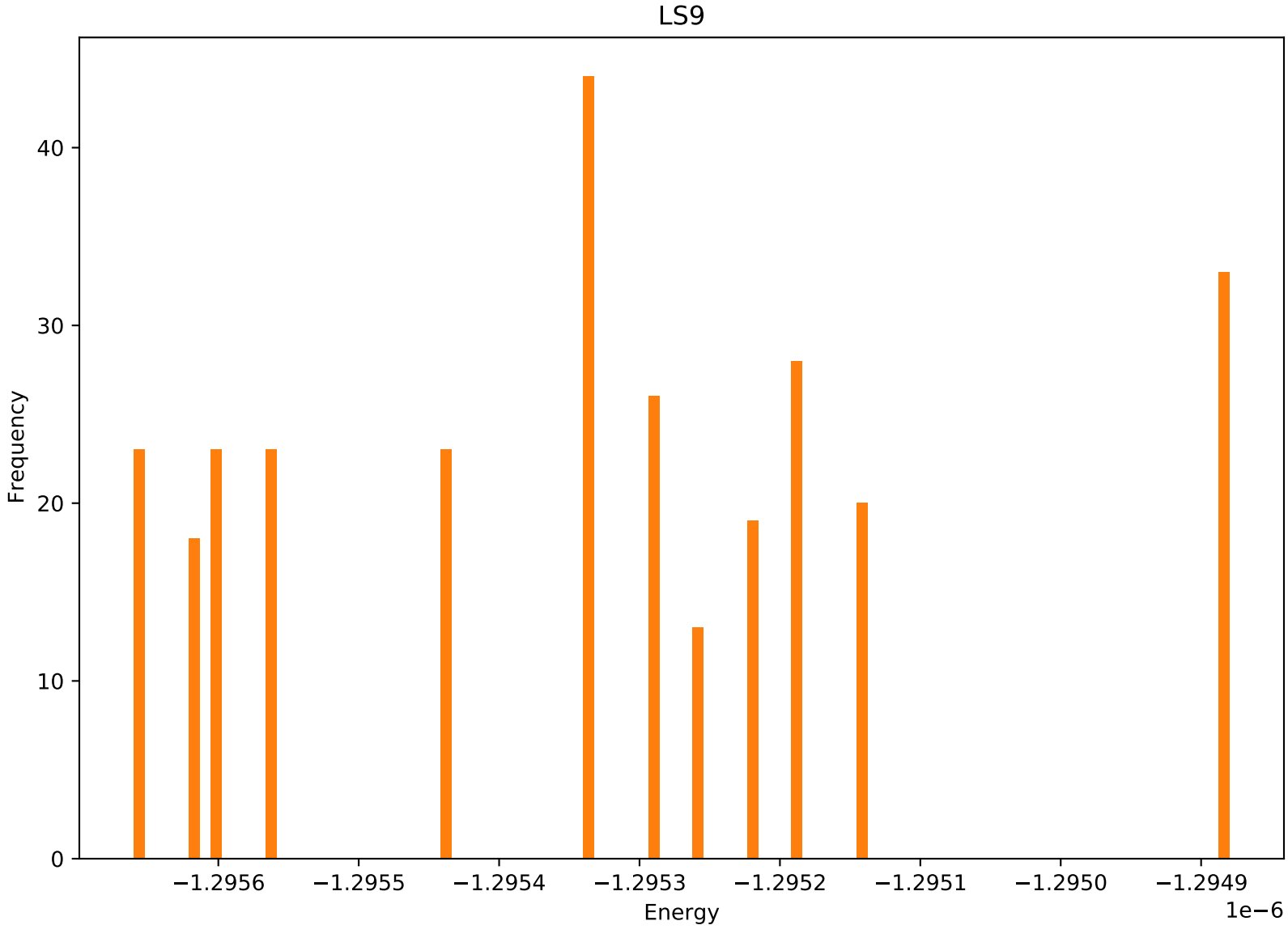

LS4
Frequency
400
350
300
250
200
150
100
50
0
−2.68
−2.66
−2.64
−2.62
−2.60
−2.58
Energy

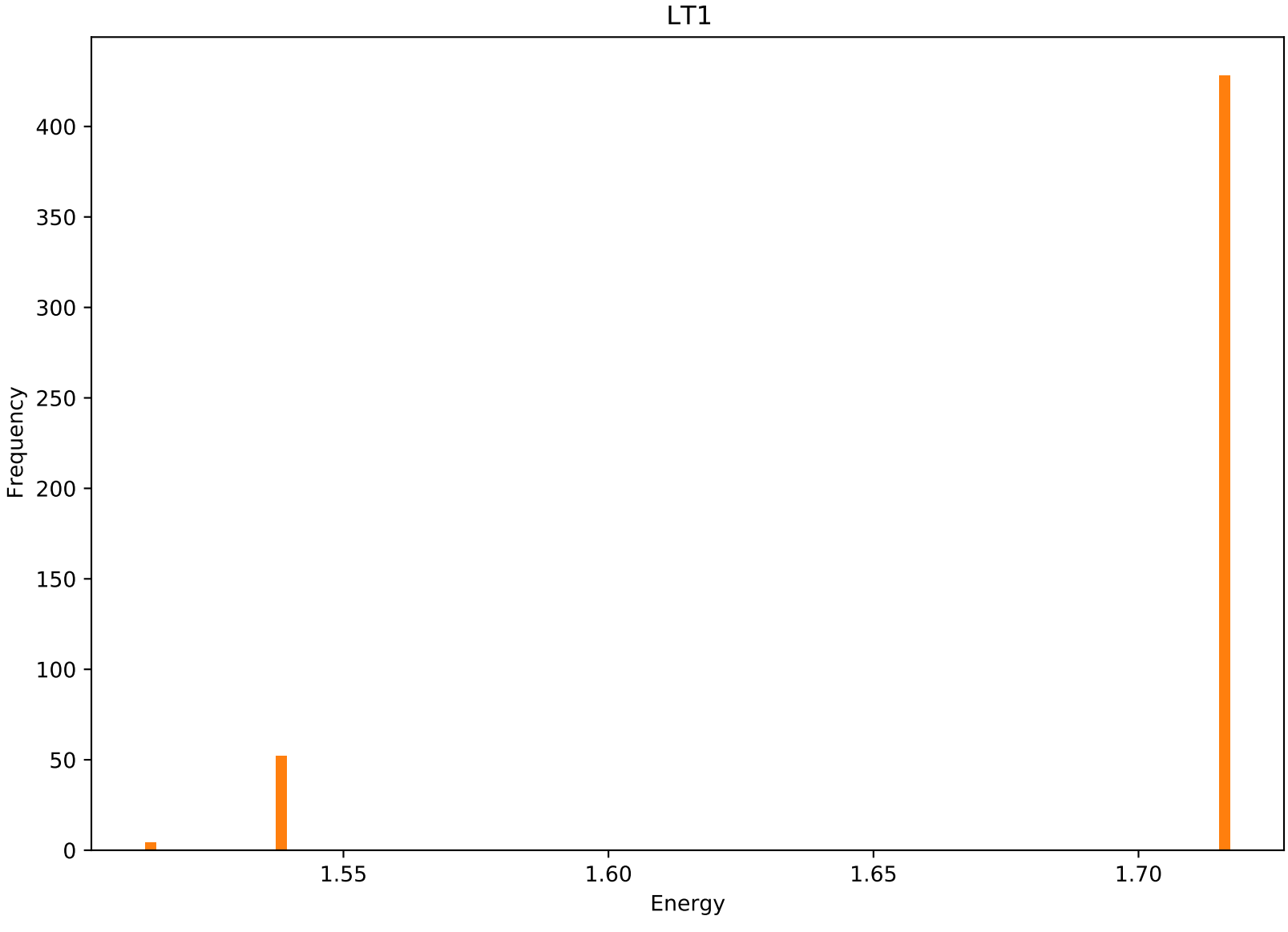

LS5
350
300
250
200
150
100
50
0
Frequency
−0.140
−0.138
−0.136
−0.134
−0.132
−0.130
−0.128
Energy

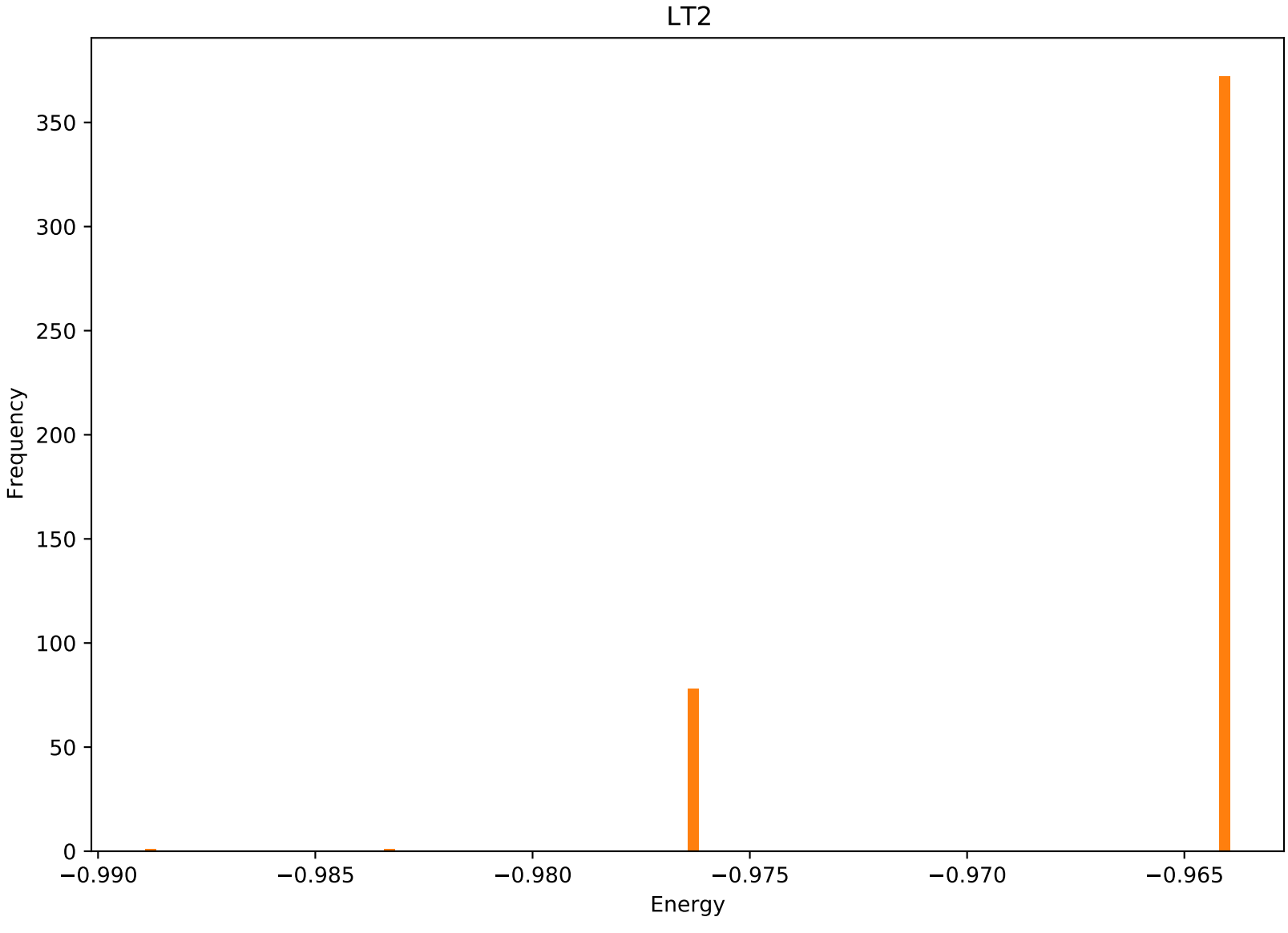

LS6
350
300
250
200
150
100
50
0
Frequency
−0.045
−0.044
−0.043
−0.042
−0.041
Energy

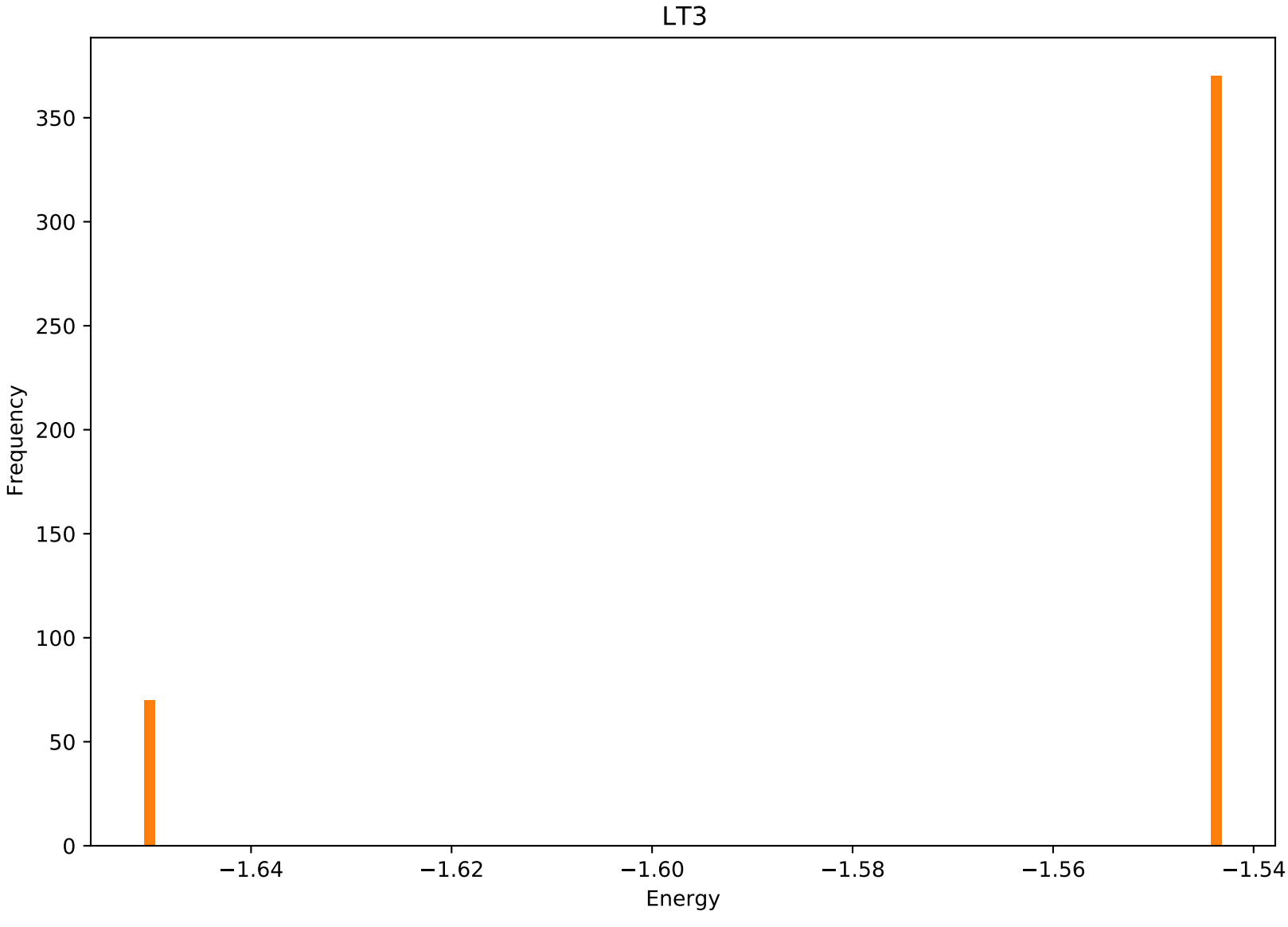

LS7
Frequency
300
250
200
150
100
50
0
−0.035
−0.034
−0.033
−0.032
−0.031
−0.030
−0.029
−0.028
Energy

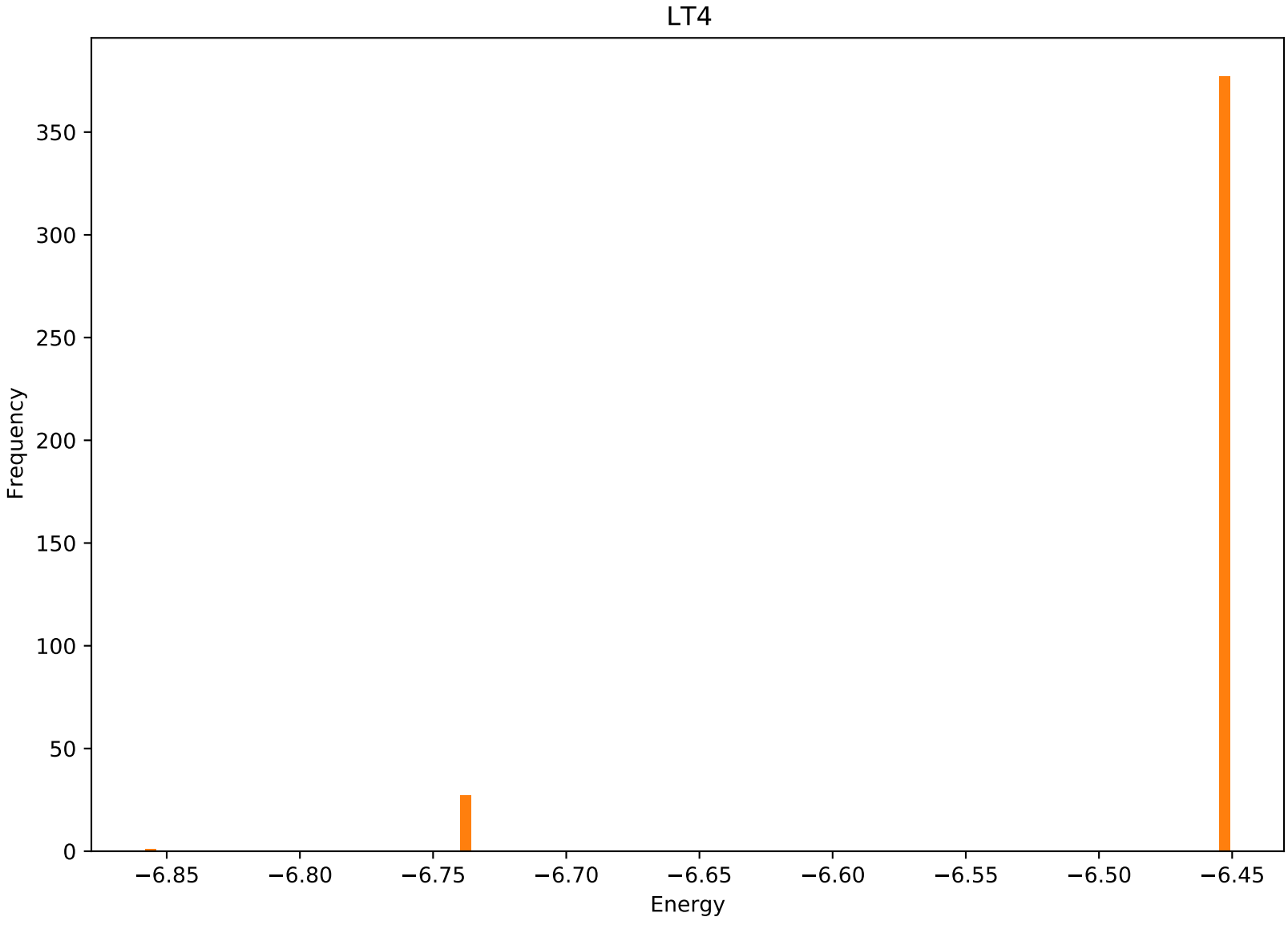

LS8
300
250
200
150
100
50
0
Frequency
−0.005725
−0.005700
−0.005675
−0.005650
−0.005625
−0.005600
−0.005575
−0.005550
−0.005525
Energy

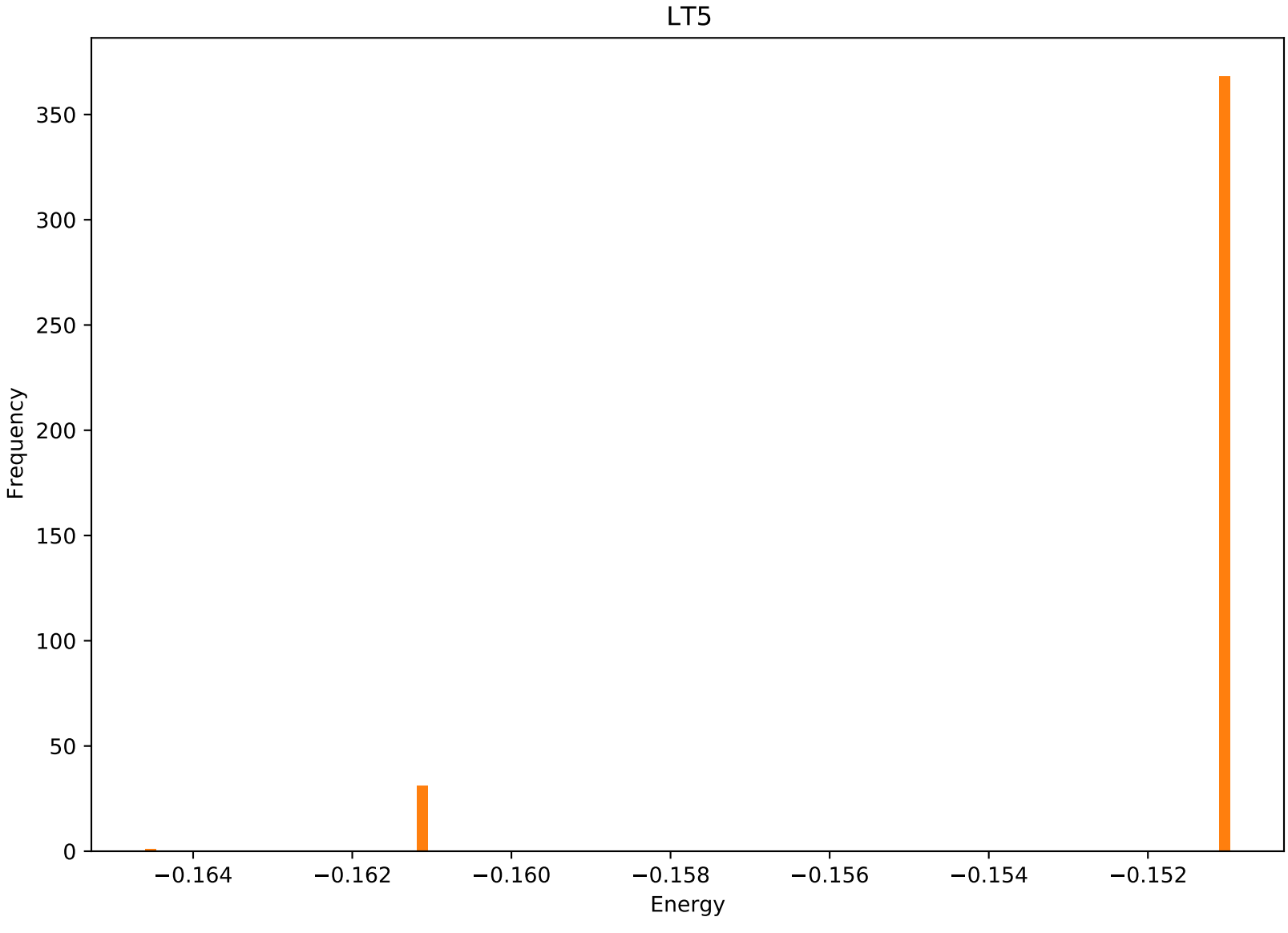

LS9
Frequency
0
10
20
30
40
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

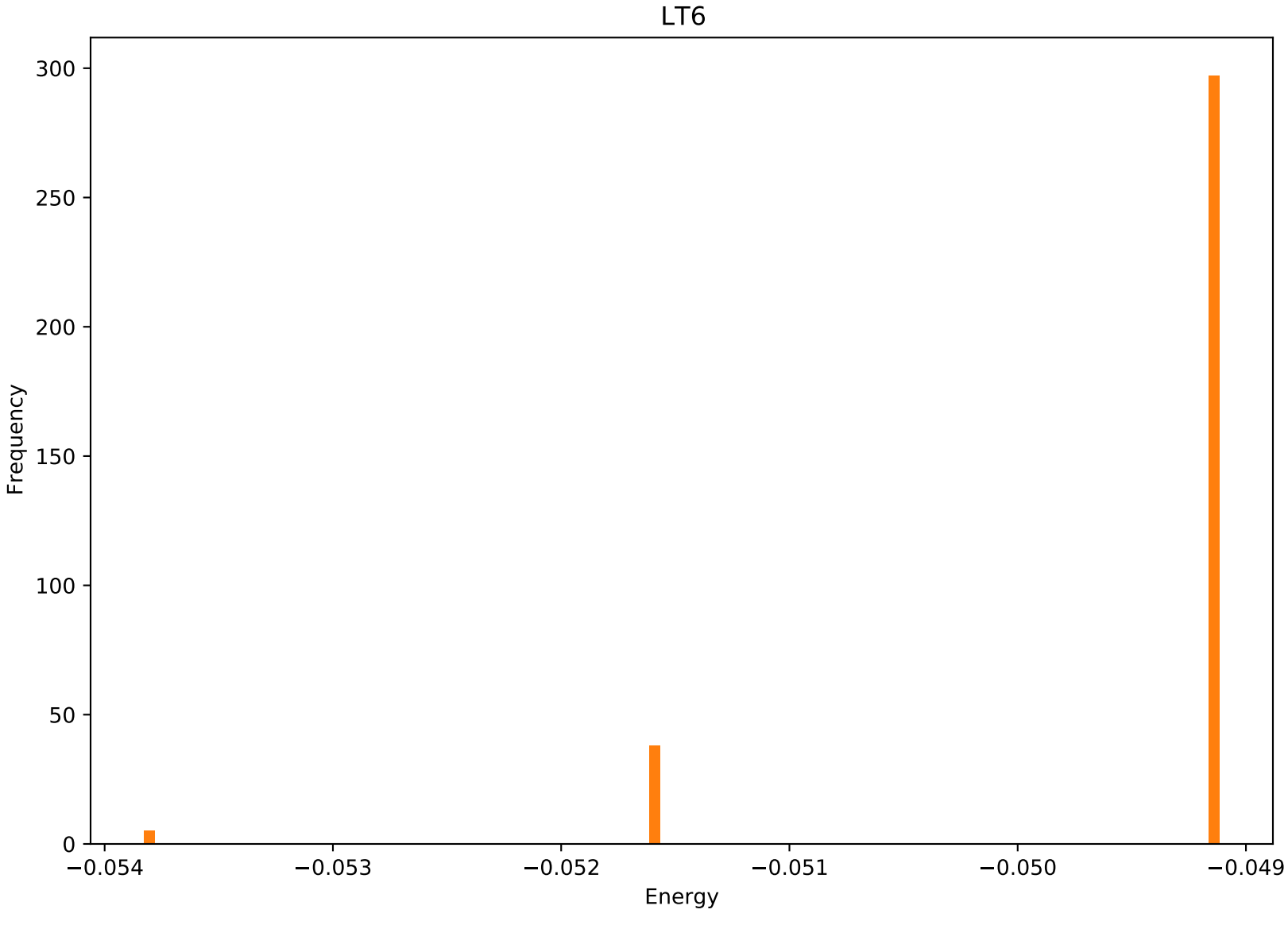

LT1
Frequency
0
50
100
150
200
250
300
350
400
1.55
1.60
1.65
1.70
Energy

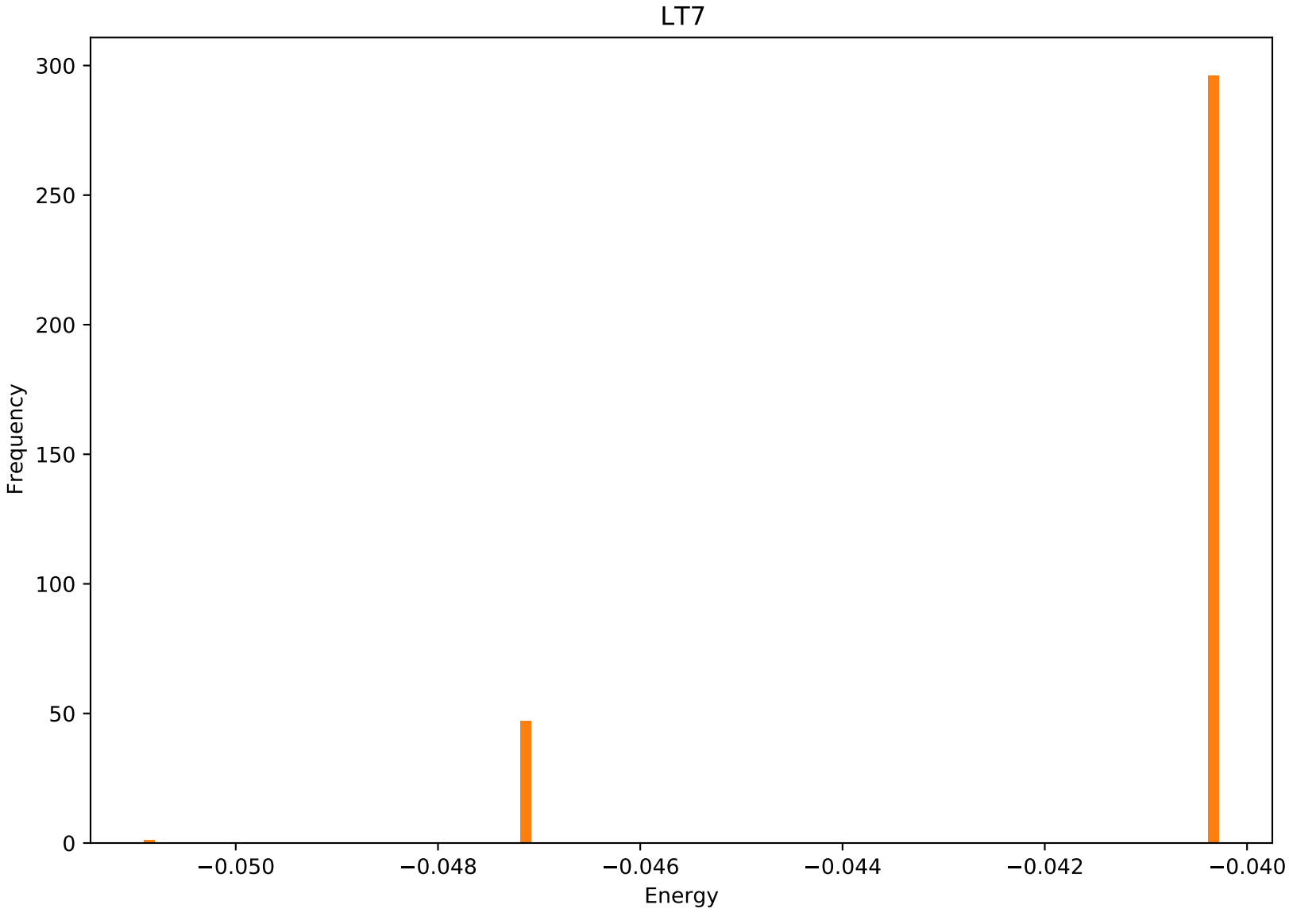

LT2
Frequency
Energy
0
50
100
150
200
250
300
350
−0.990
−0.985
−0.980
−0.975
−0.970
−0.965

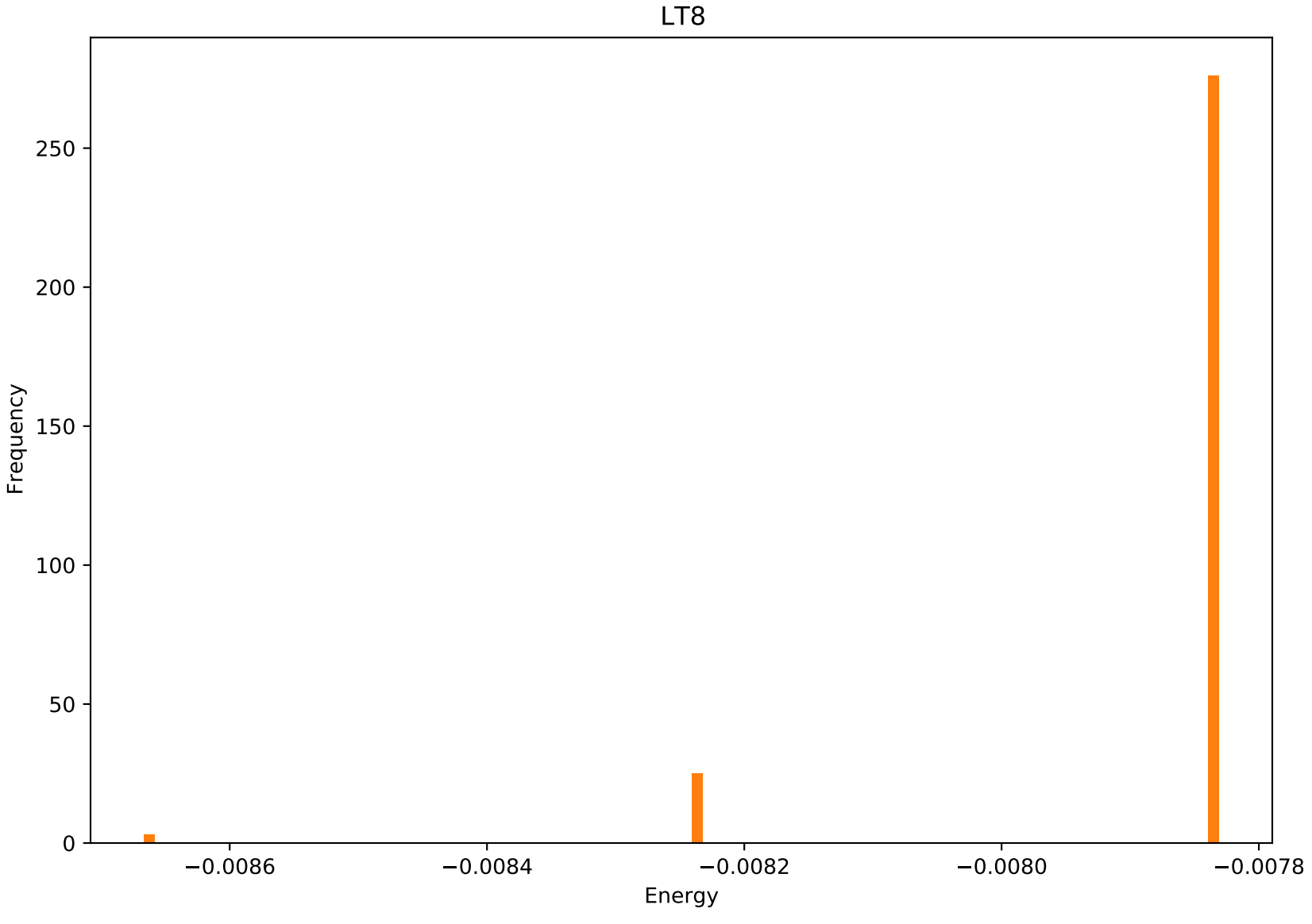

LT3
Frequency
0
50
100
150
200
250
300
350
−1.64
−1.62
−1.60
−1.58
−1.56
−1.54
Energy

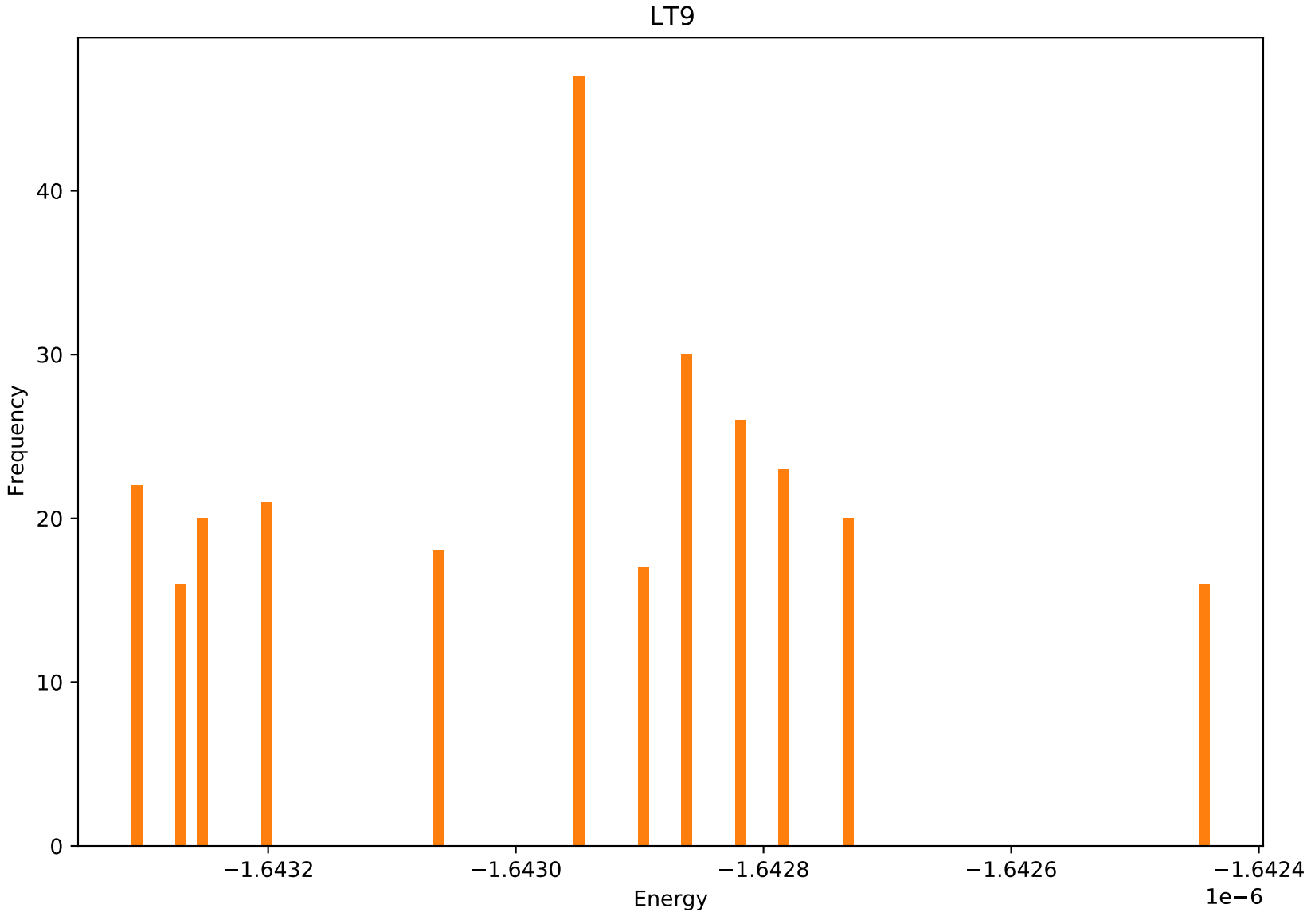

LT4
Frequency
0
50
100
150
200
250
300
350
−6.85
−6.80
−6.75
−6.70
−6.65
−6.60
−6.55
−6.50
−6.45
Energy

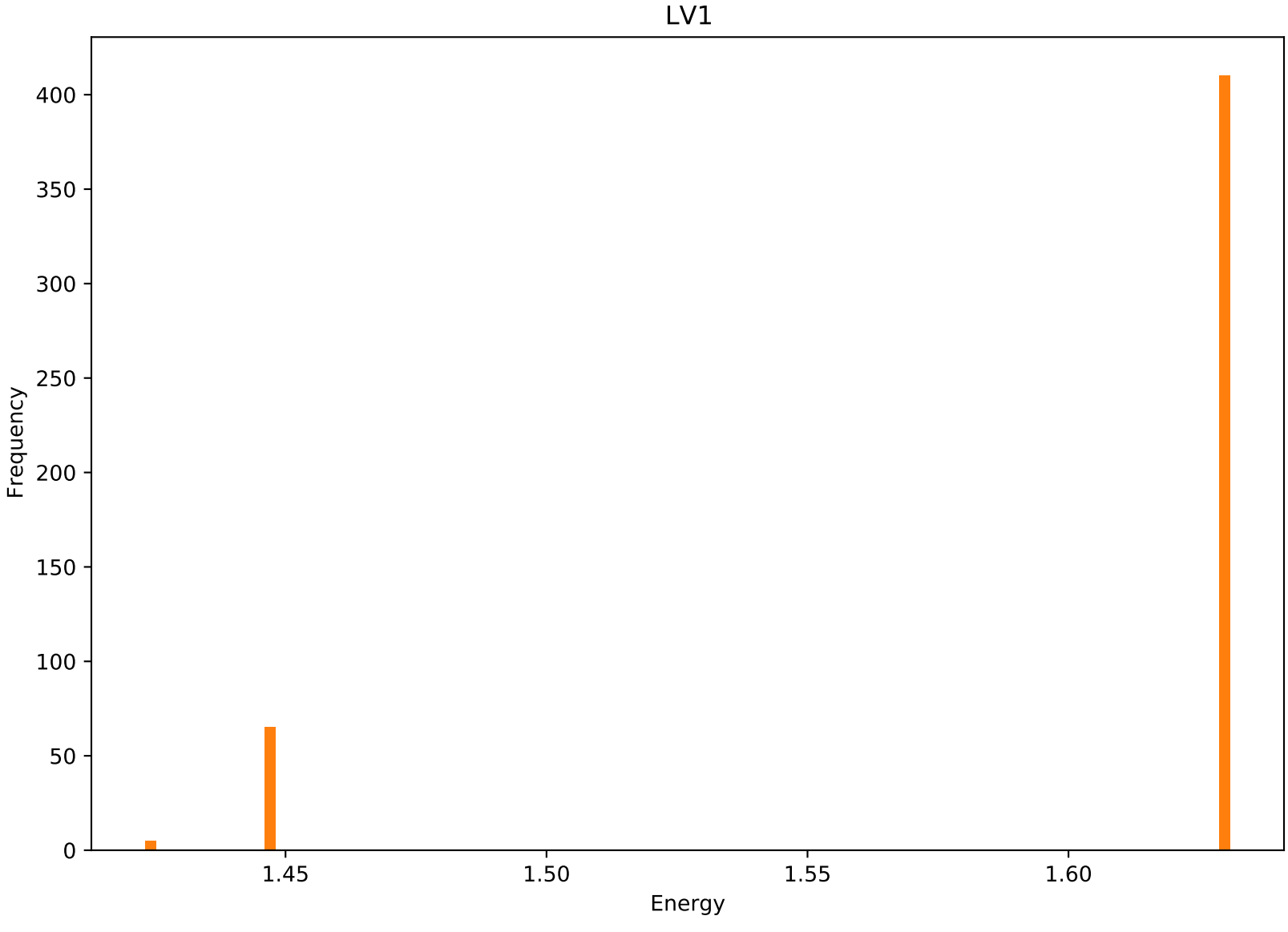

LT5
Frequency
350
300
250
200
150
100
50
0
−0.164
−0.162
−0.160
−0.158
−0.156
−0.154
−0.152
Energy

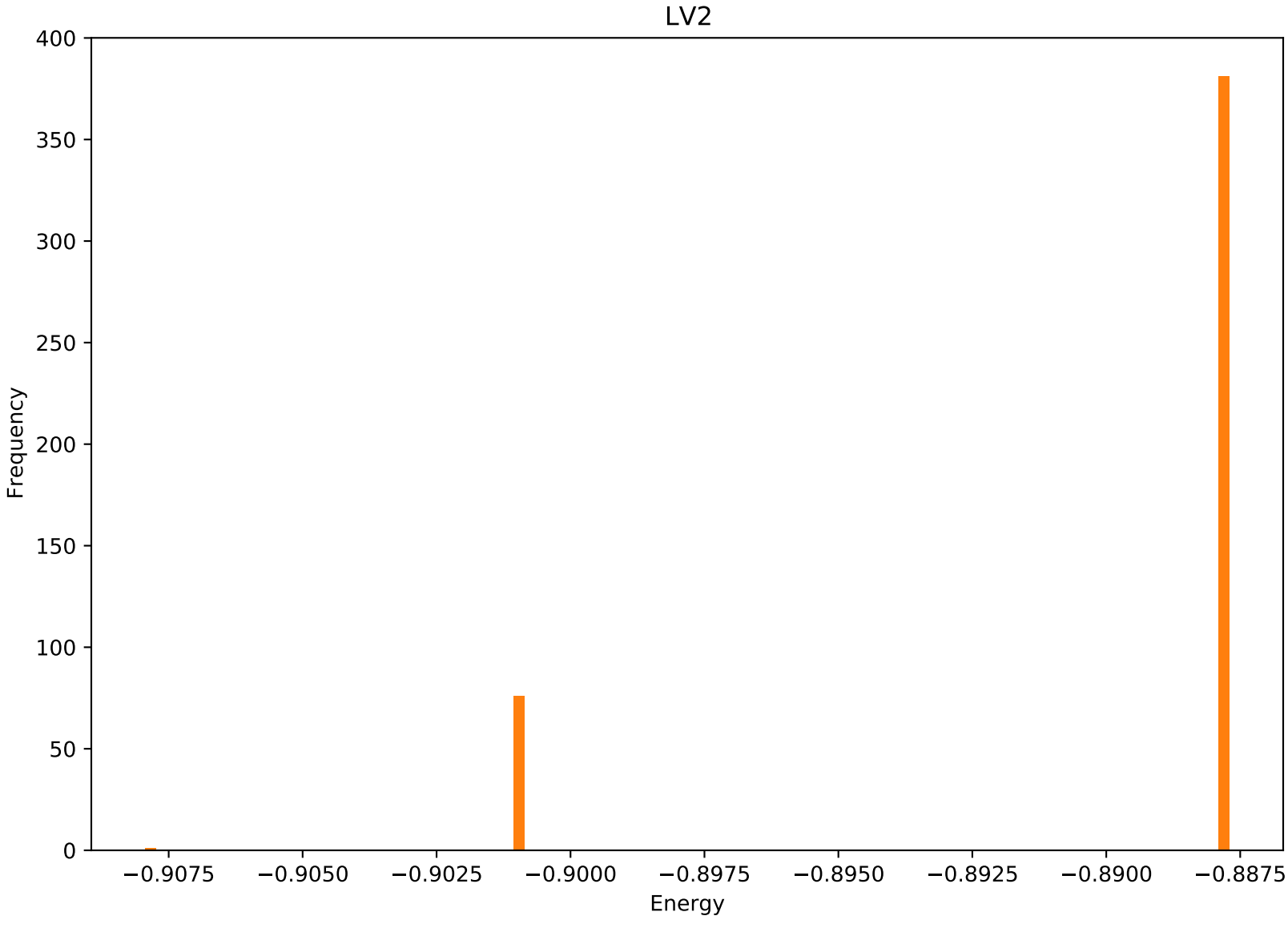

LT6
300
250
200
150
100
50
0
Frequency
−0.054
−0.053
−0.052
−0.051
−0.050
−0.049
Energy

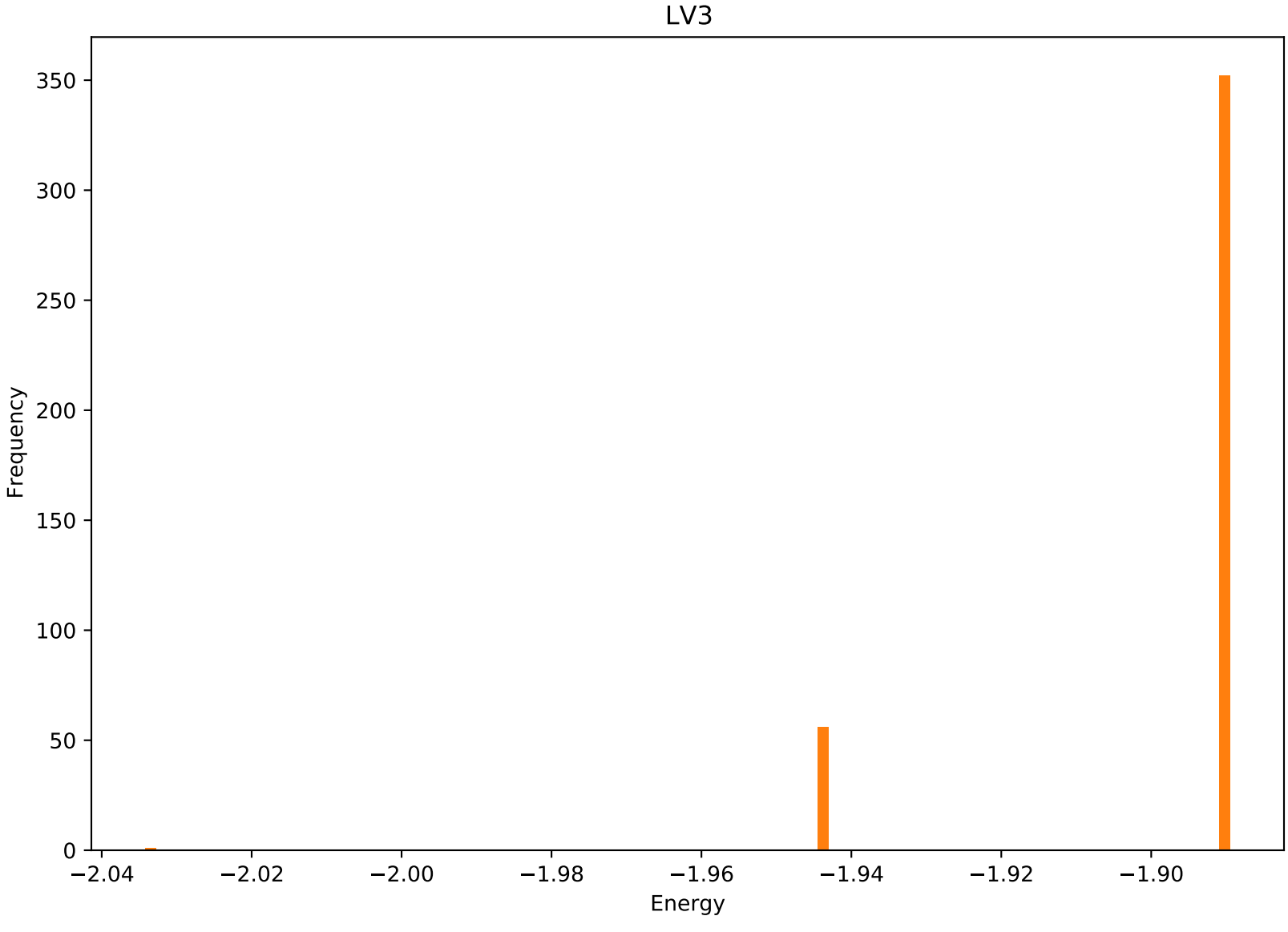

LT7
300
250
200
150
100
50
0
Frequency
−0.050
−0.048
−0.046
−0.044
−0.042
−0.040
Energy

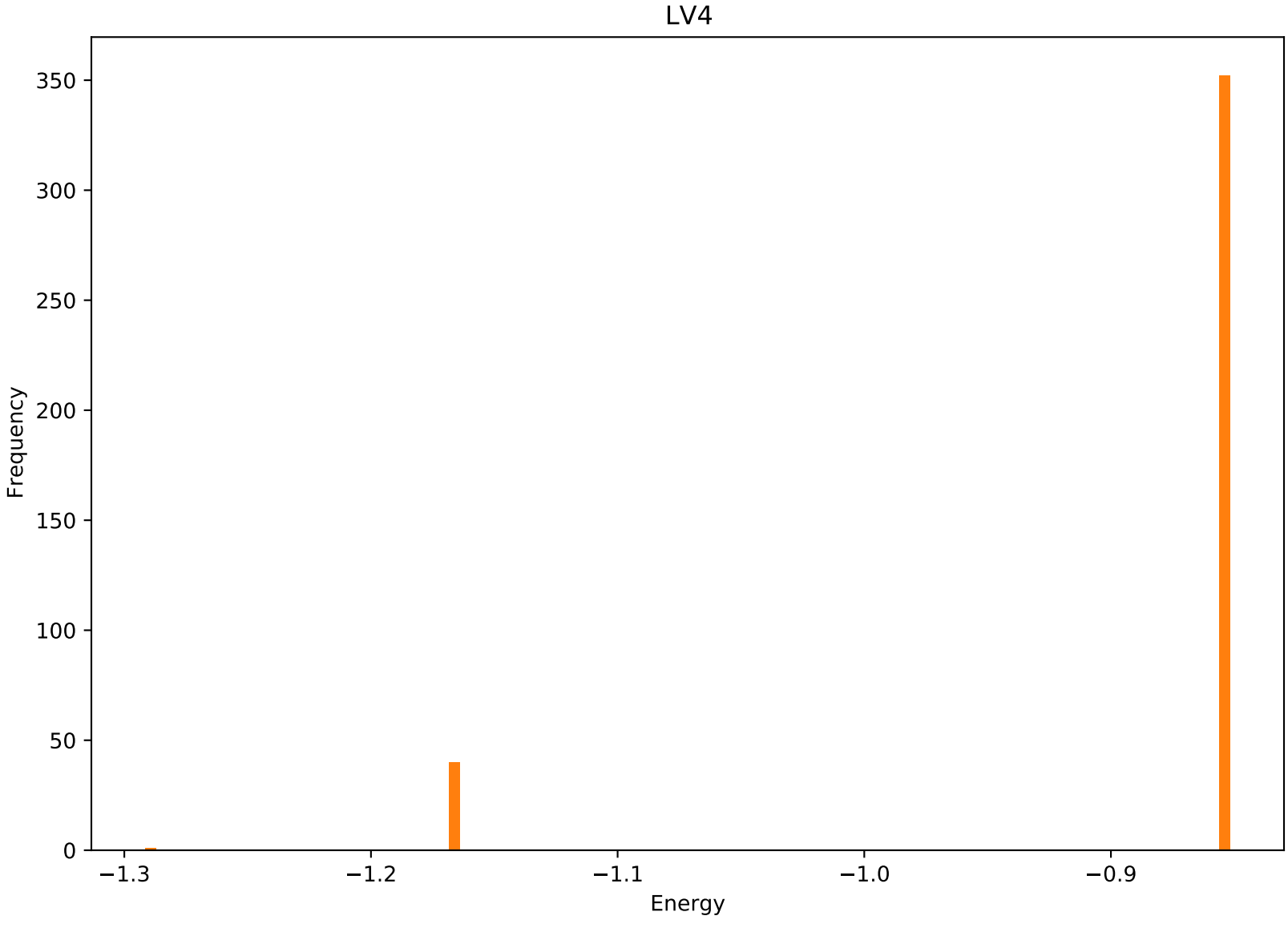

LT8
Frequency
250
200
150
100
50
0
−0.0086
−0.0084
−0.0082
−0.0080
−0.0078
Energy

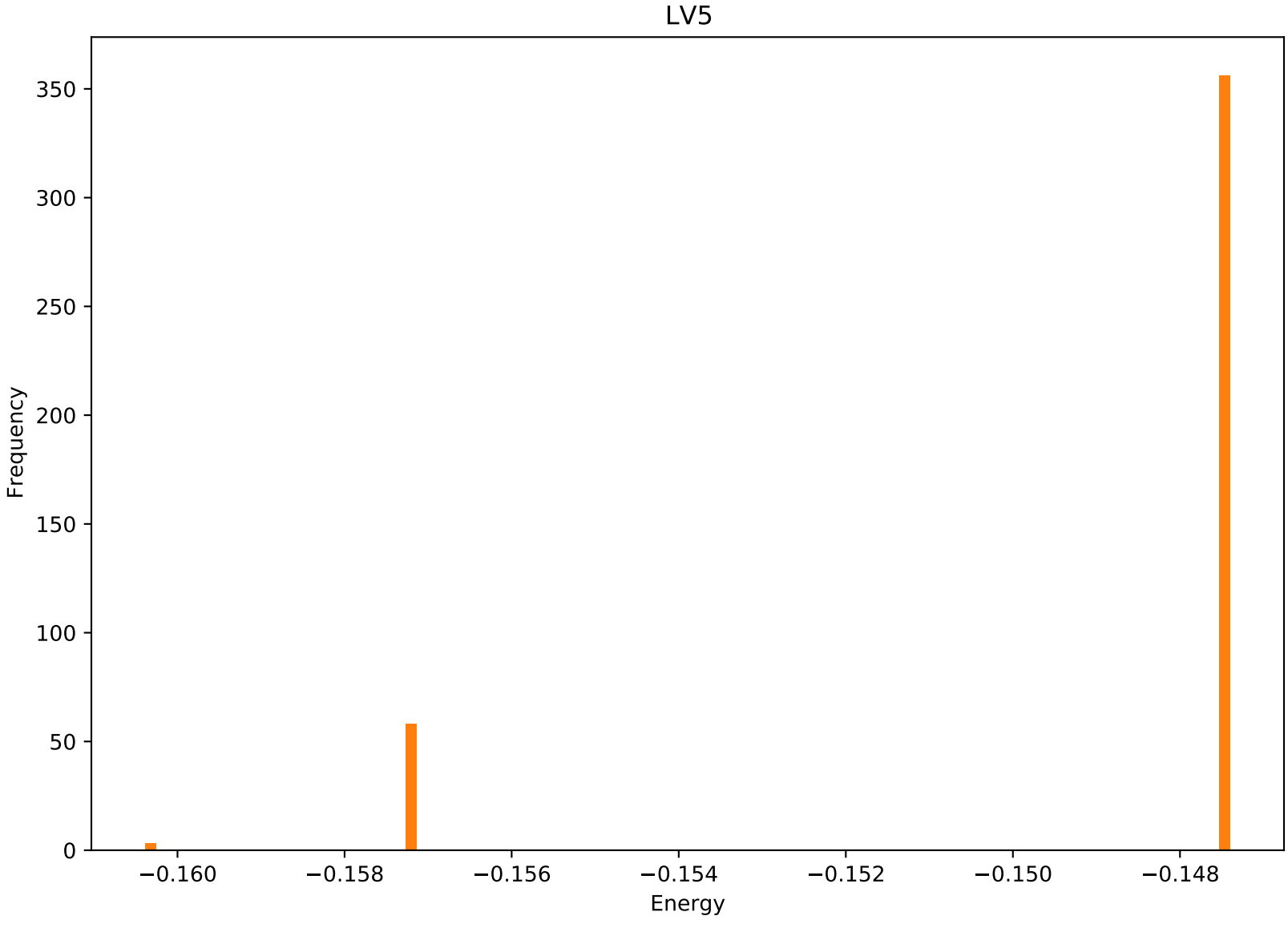

LT9
Frequency
0
10
20
30
40
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

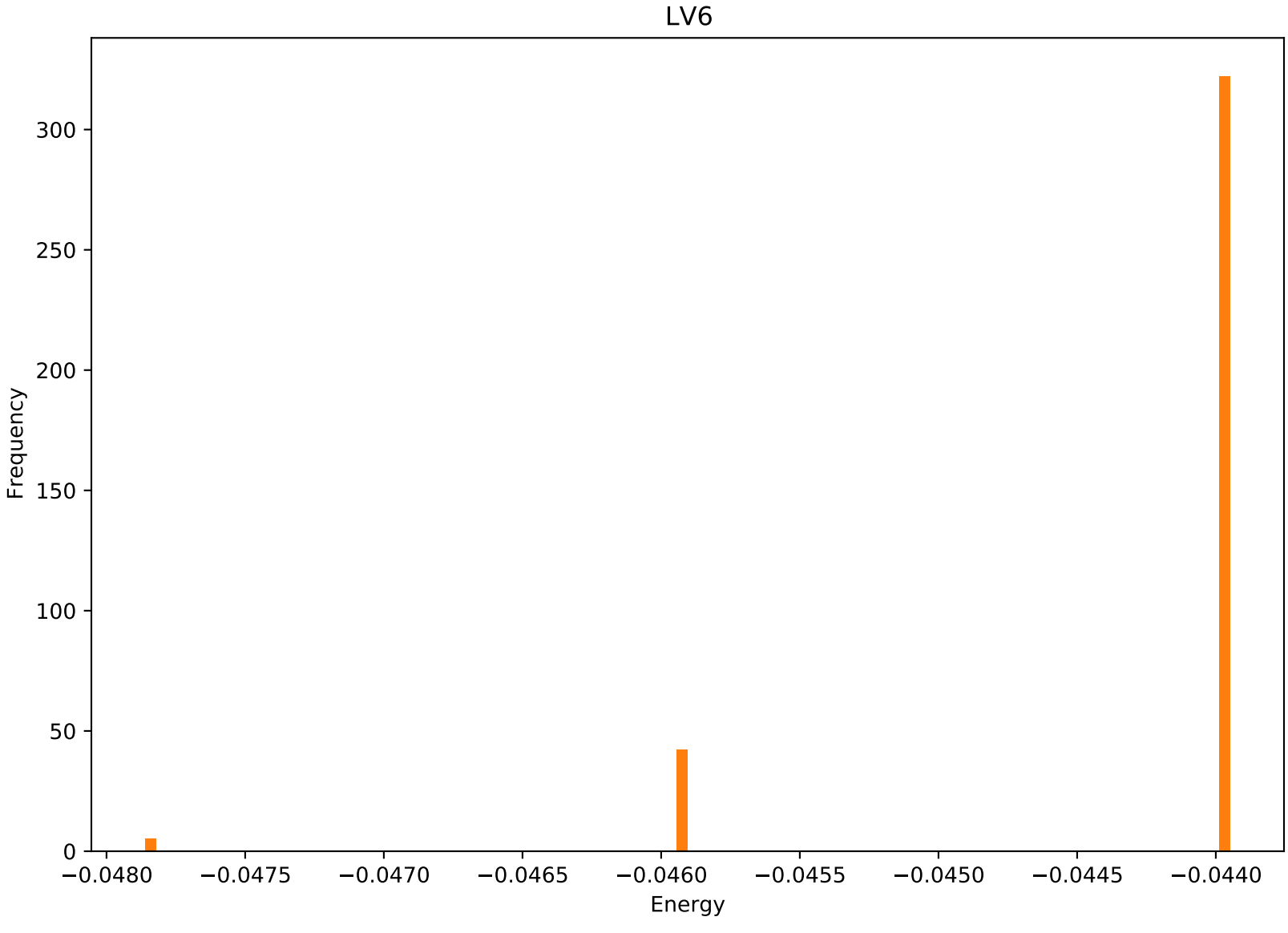

LV1
Frequency
0
50
100
150
200
250
300
350
400
1.45
1.50
1.55
1.60
Energy

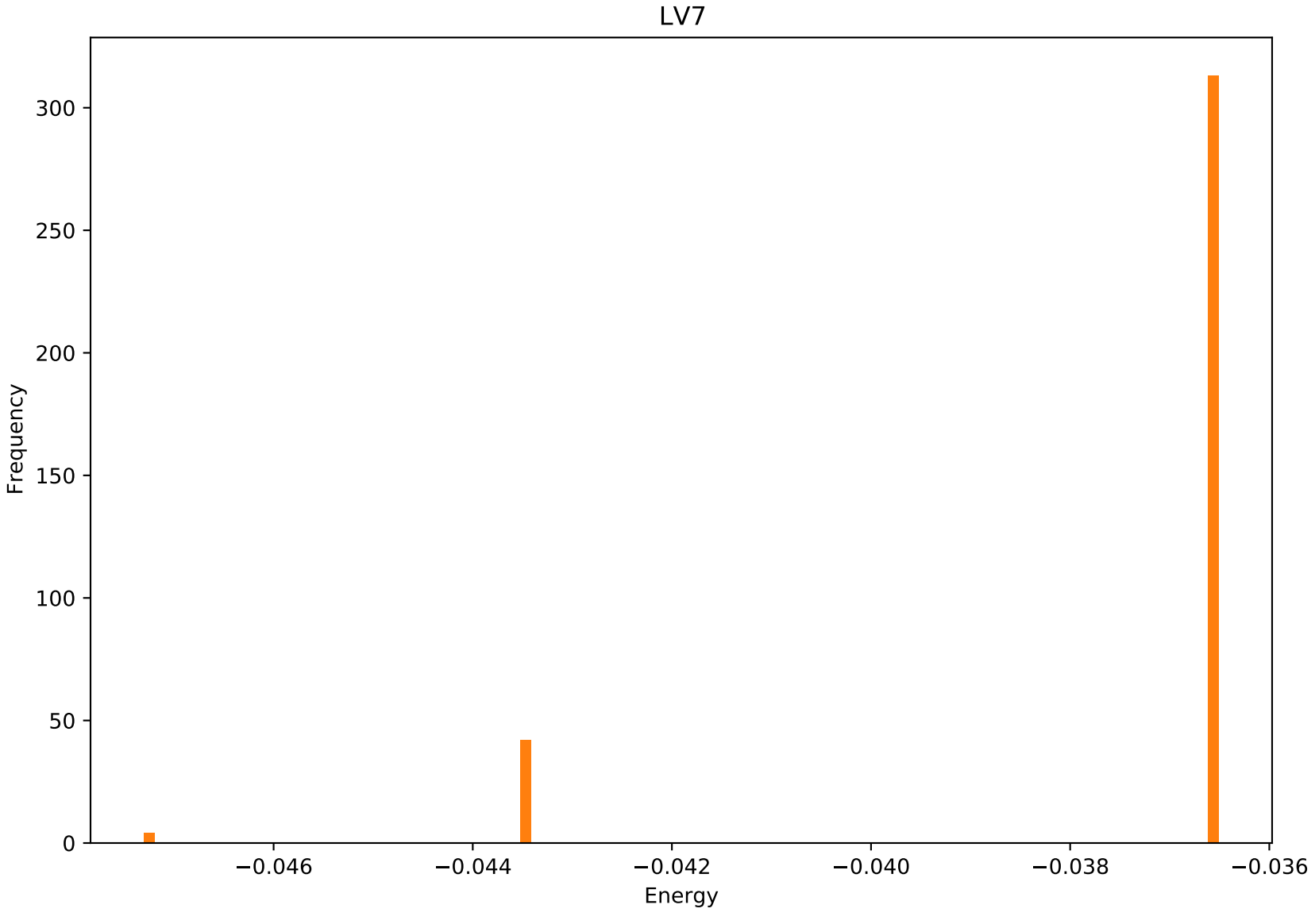

LV2
400
350
300
250
200
150
100
50
0
Frequency
−0.9075
−0.9050
−0.9025
−0.9000
−0.8975
−0.8950
−0.8925
−0.8900
−0.8875
Energy

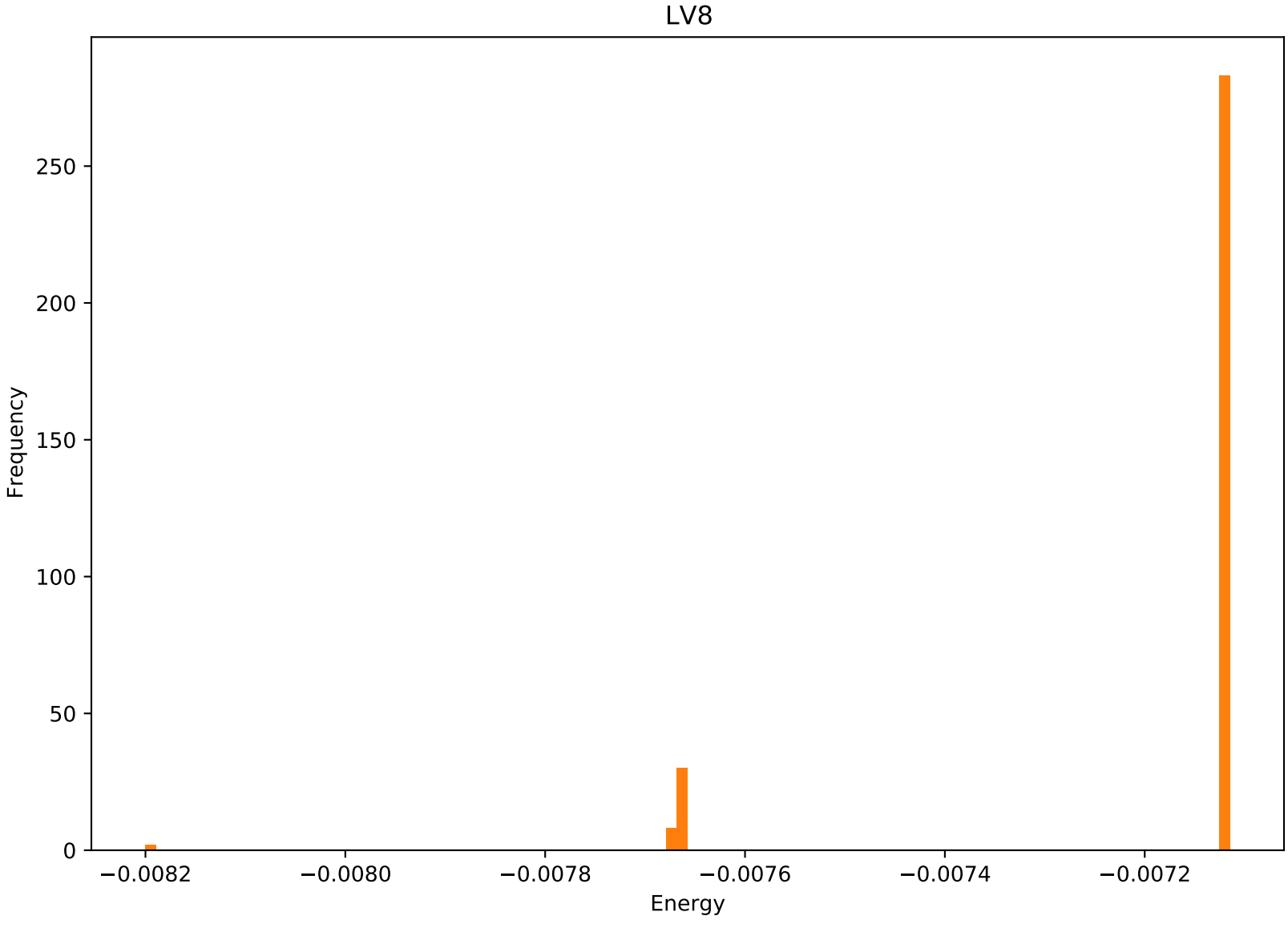

LV3
Frequency
Energy
0
50
100
150
200
250
300
350
−2.04
−2.02
−2.00
−1.98
−1.96
−1.94
−1.92
−1.90

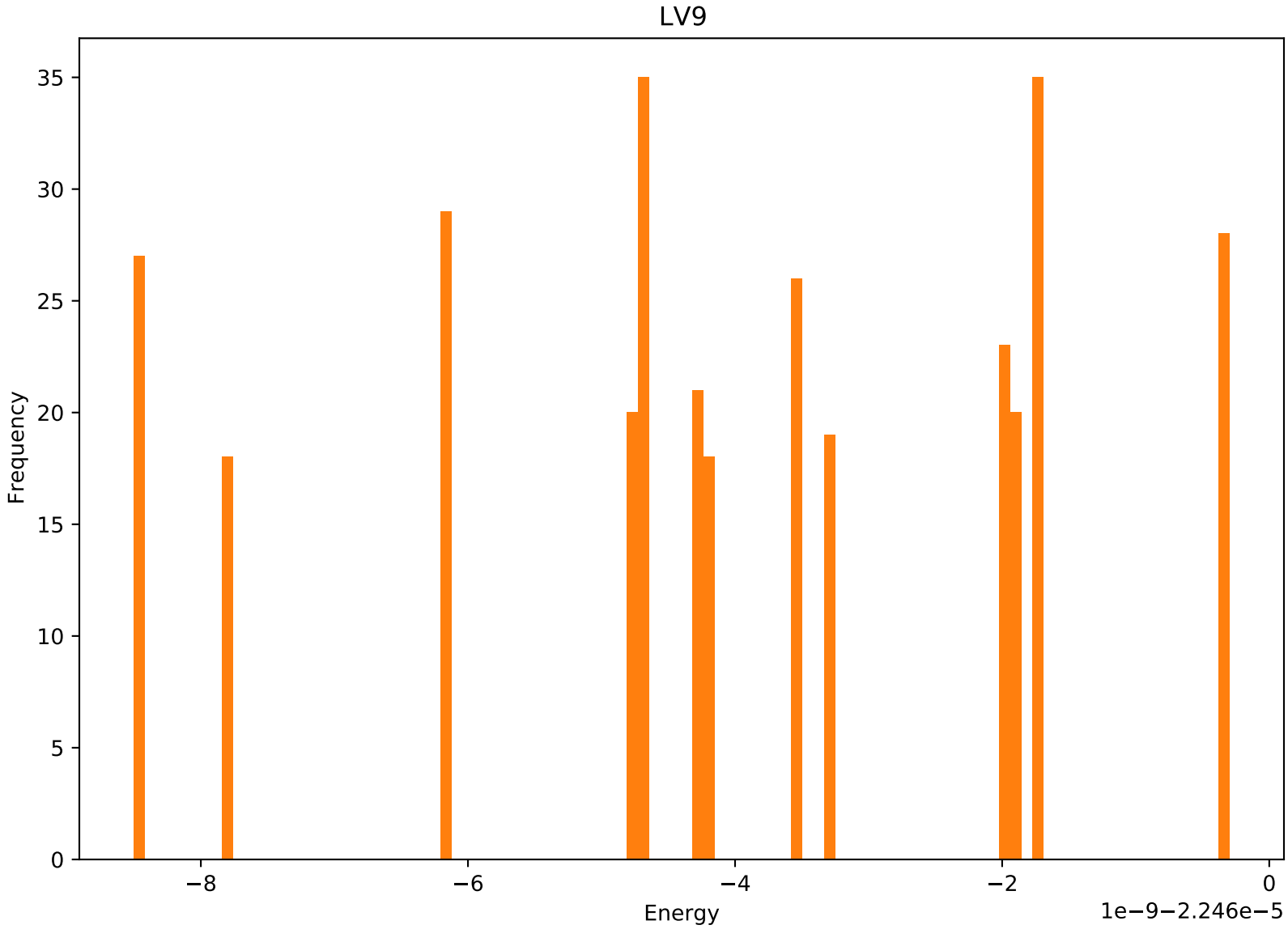

LV4
Frequency
350
300
250
200
150
100
50
0
−1.3
−1.2
−1.1
−1.0
−0.9
Energy

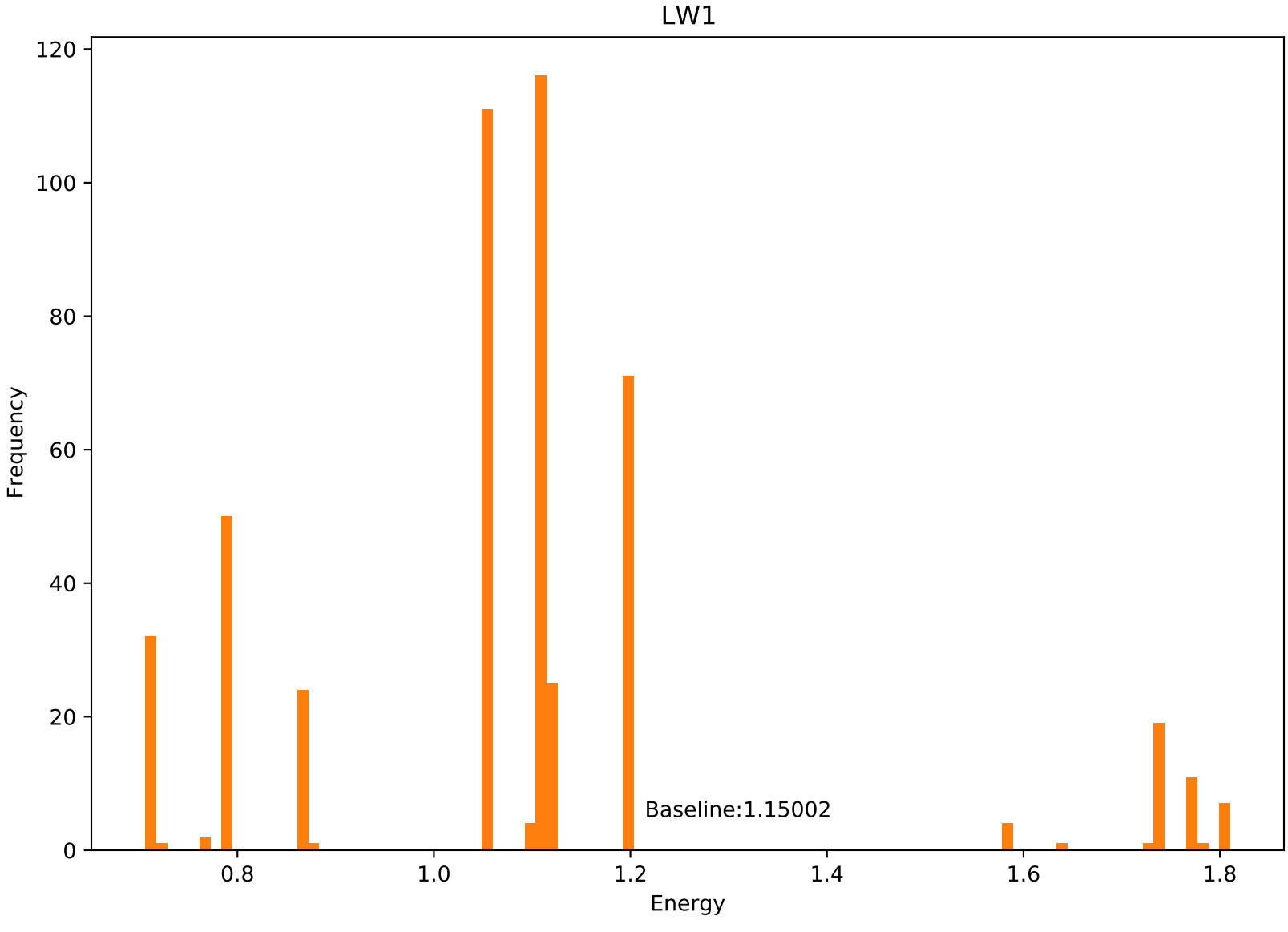

LV5
Frequency
Energy
0
50
100
150
200
250
300
350
−0.160
−0.158
−0.156
−0.154
−0.152
−0.150
−0.148

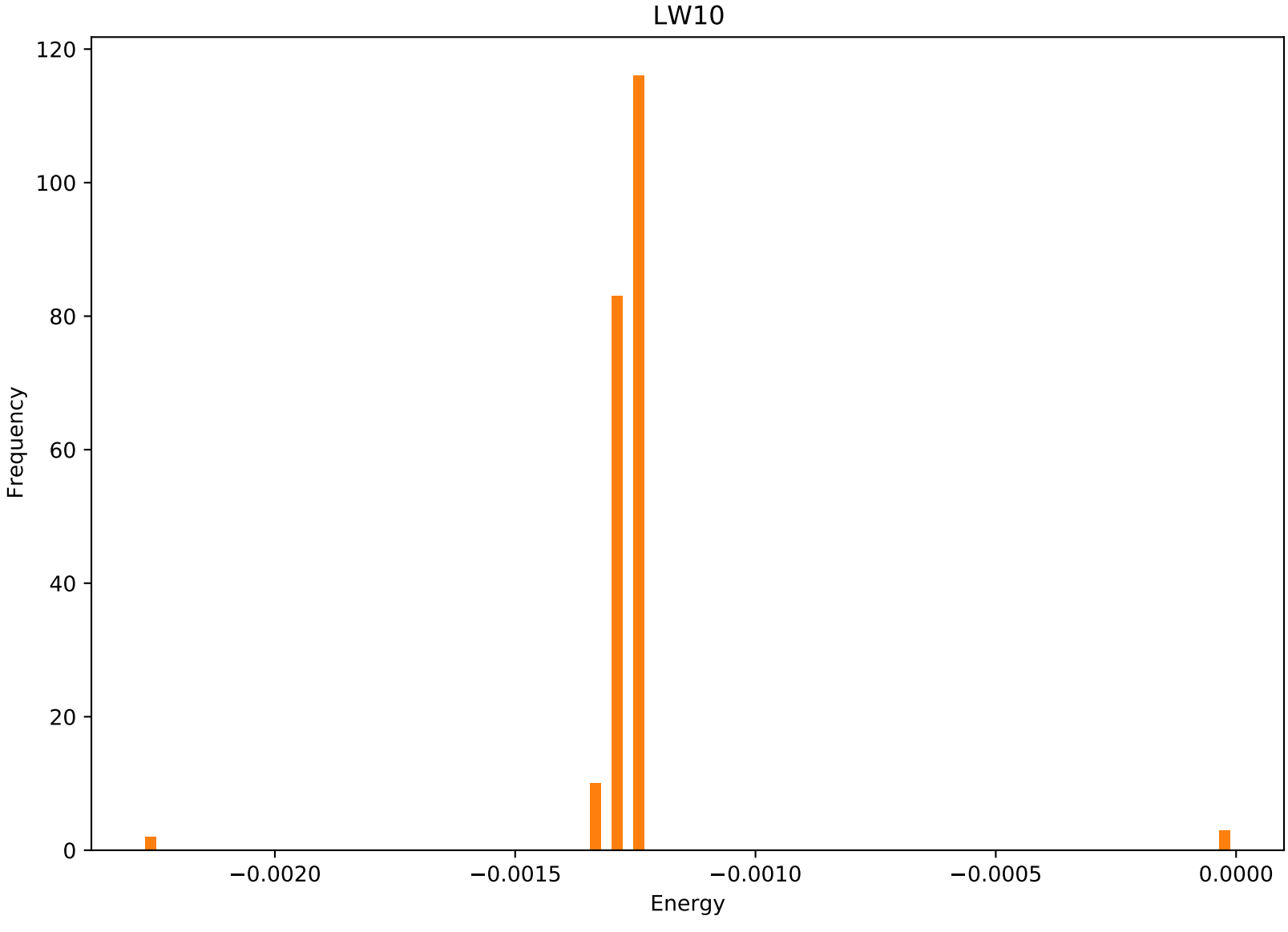

LV6
Frequency
300
250
200
150
100
50
0
−0.0480
−0.0475
−0.0470
−0.0465
−0.0460
−0.0455
−0.0450
−0.0445
−0.0440
Energy

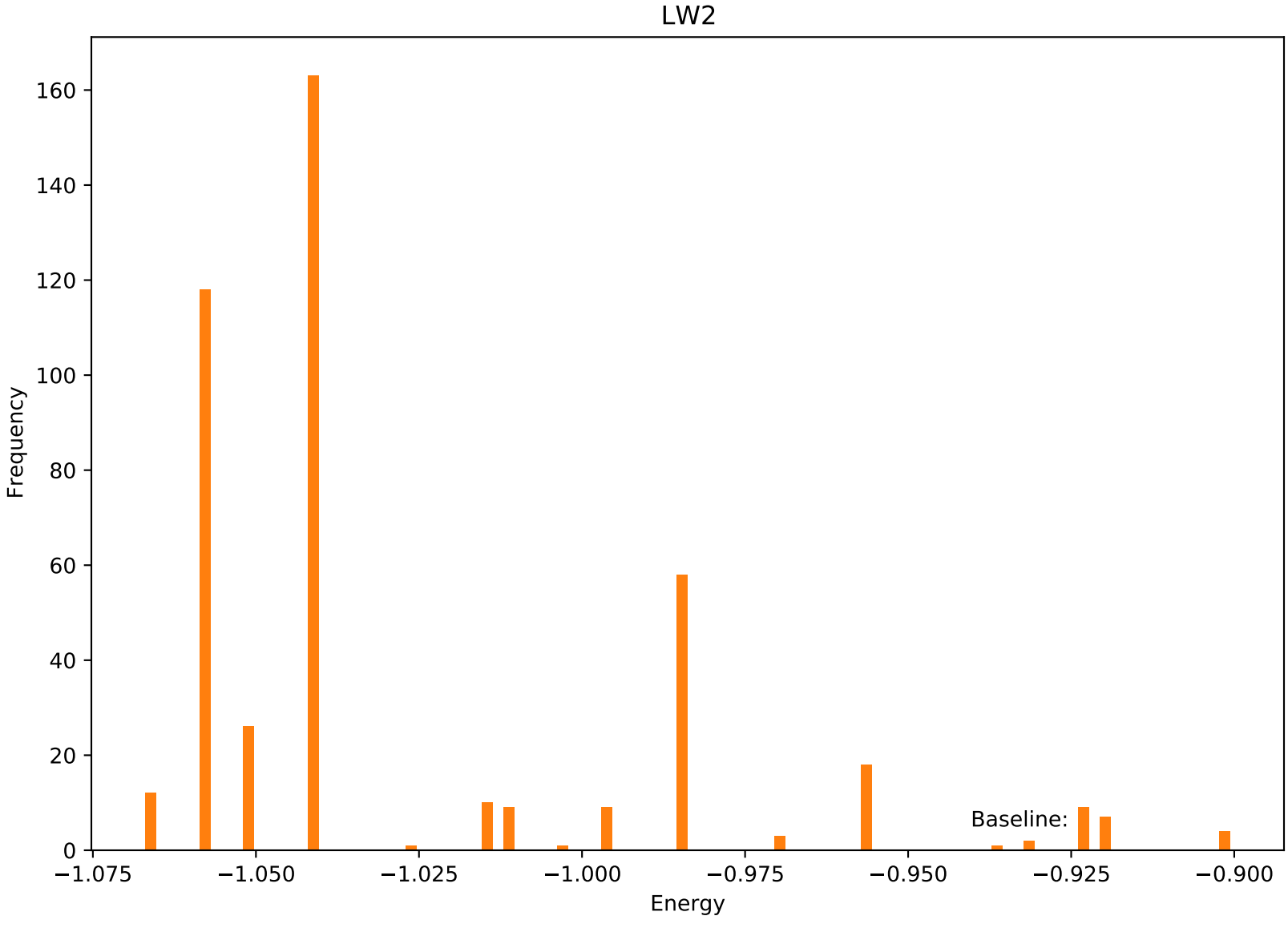

LV7
Frequency
300
250
200
150
100
50
0
−0.046
−0.044
−0.042
−0.040
−0.038
−0.036
Energy

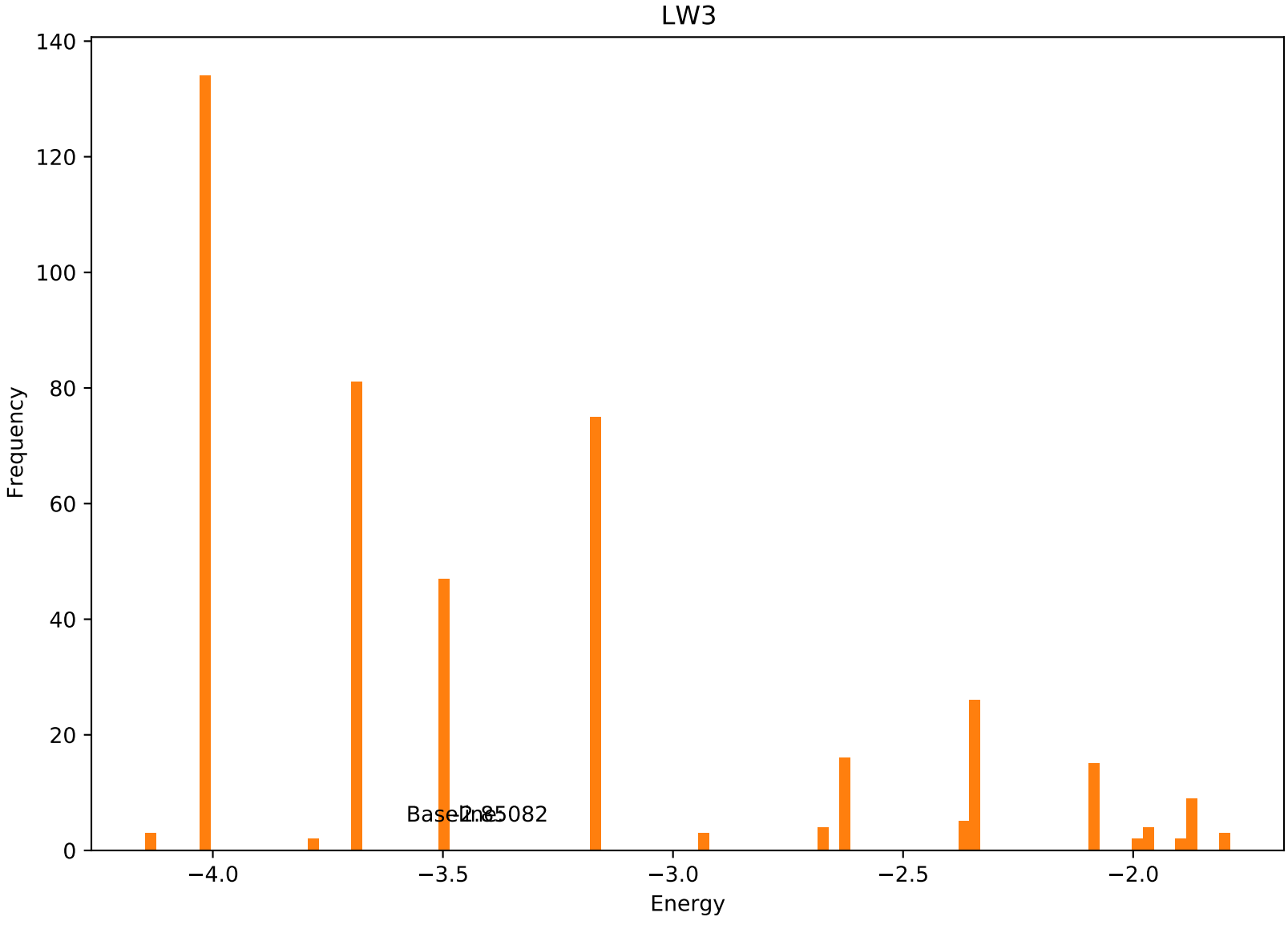

LV8
Frequency
250
200
150
100
50
0
−0.0082
−0.0080
−0.0078
−0.0076
−0.0074
−0.0072
Energy

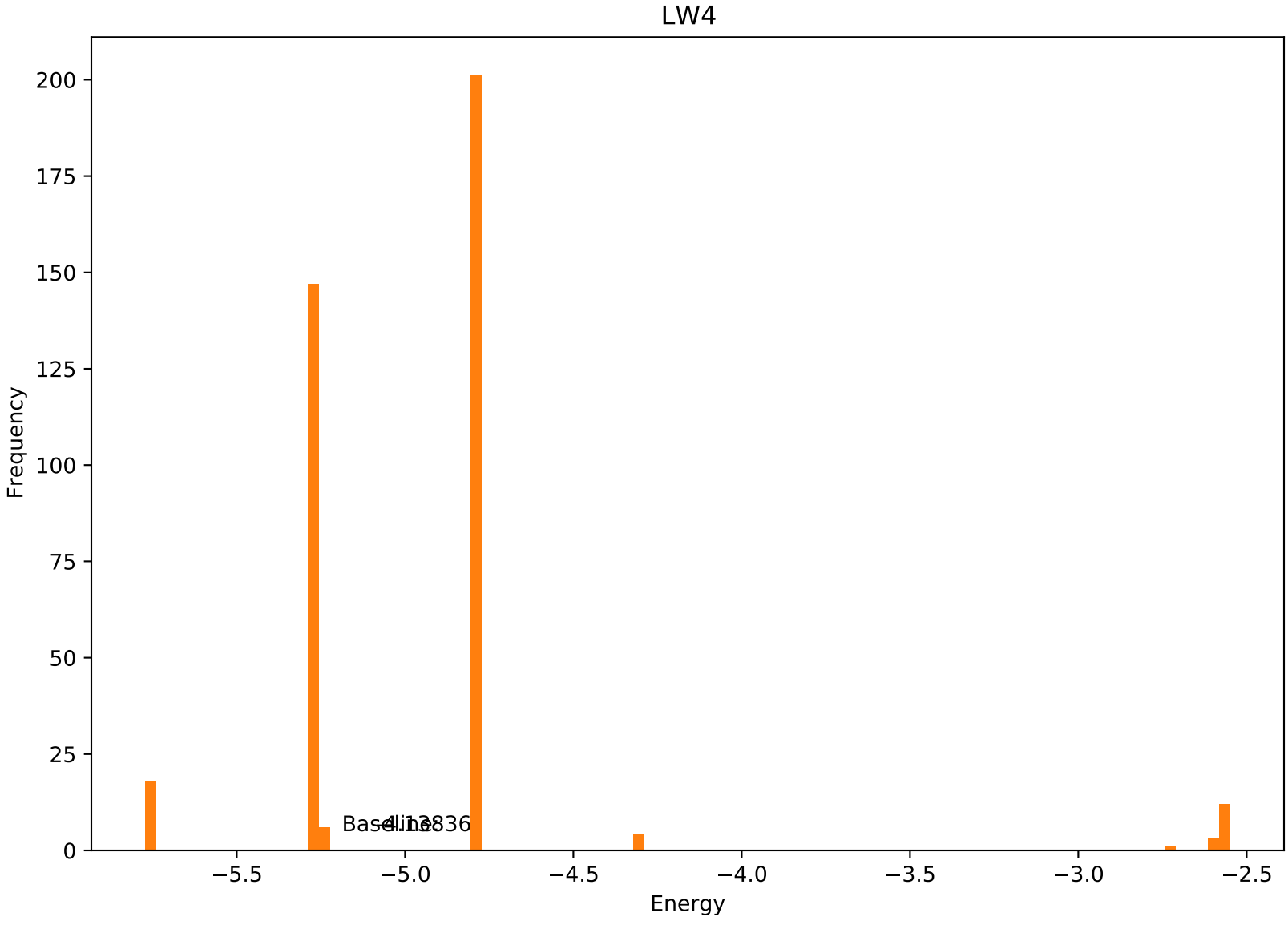

LV9
Frequency
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

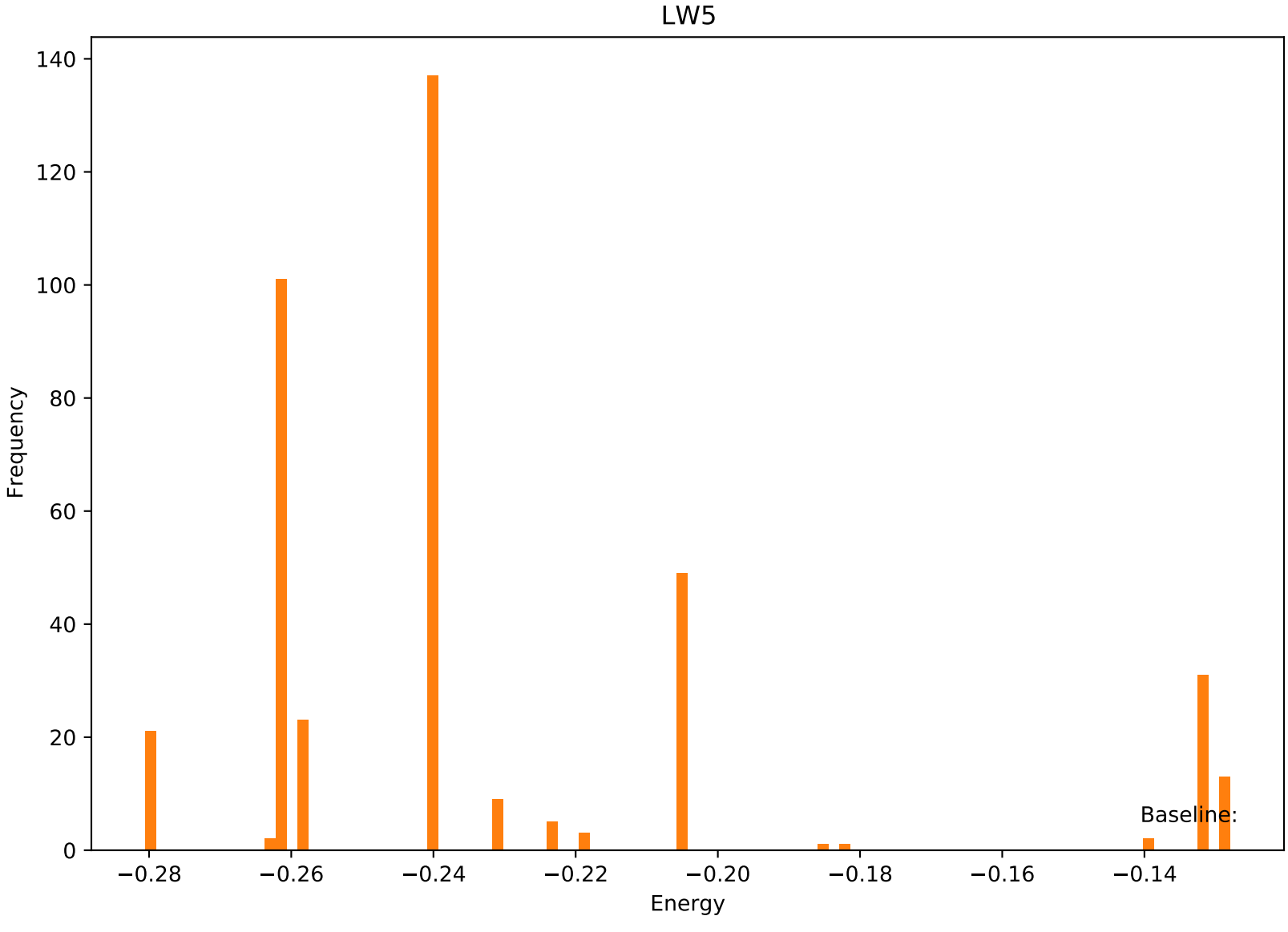

LW1
120
100
80
60
40
20
0
Frequency
0.8
1.0
1.2
1.4
1.6
1.8
Energy
Baseline:1.15002

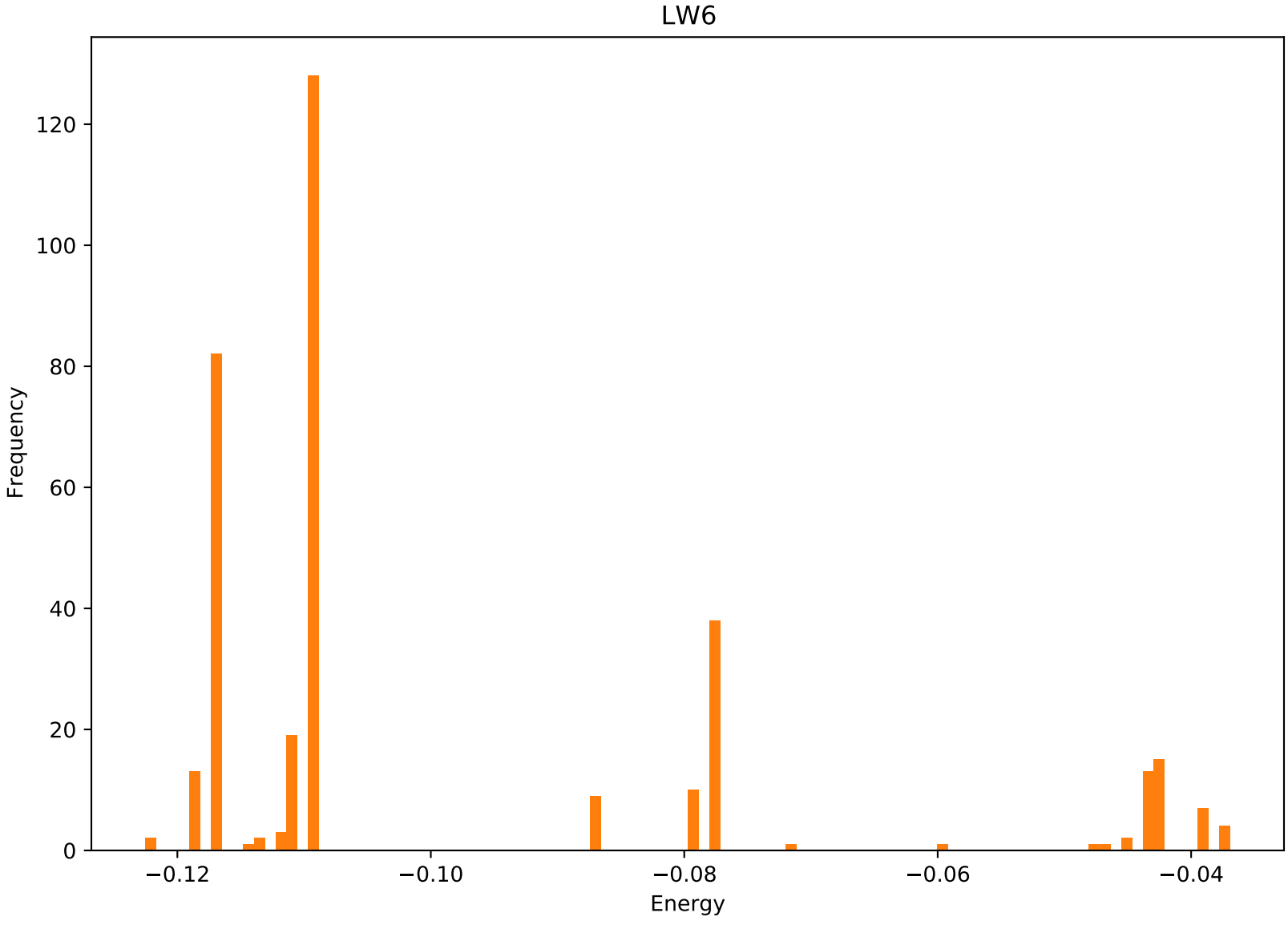

LW10
120
100
80
60
40
20
0
Frequency
−0.0020
−0.0015
−0.0010
−0.0005
0.0000
Energy

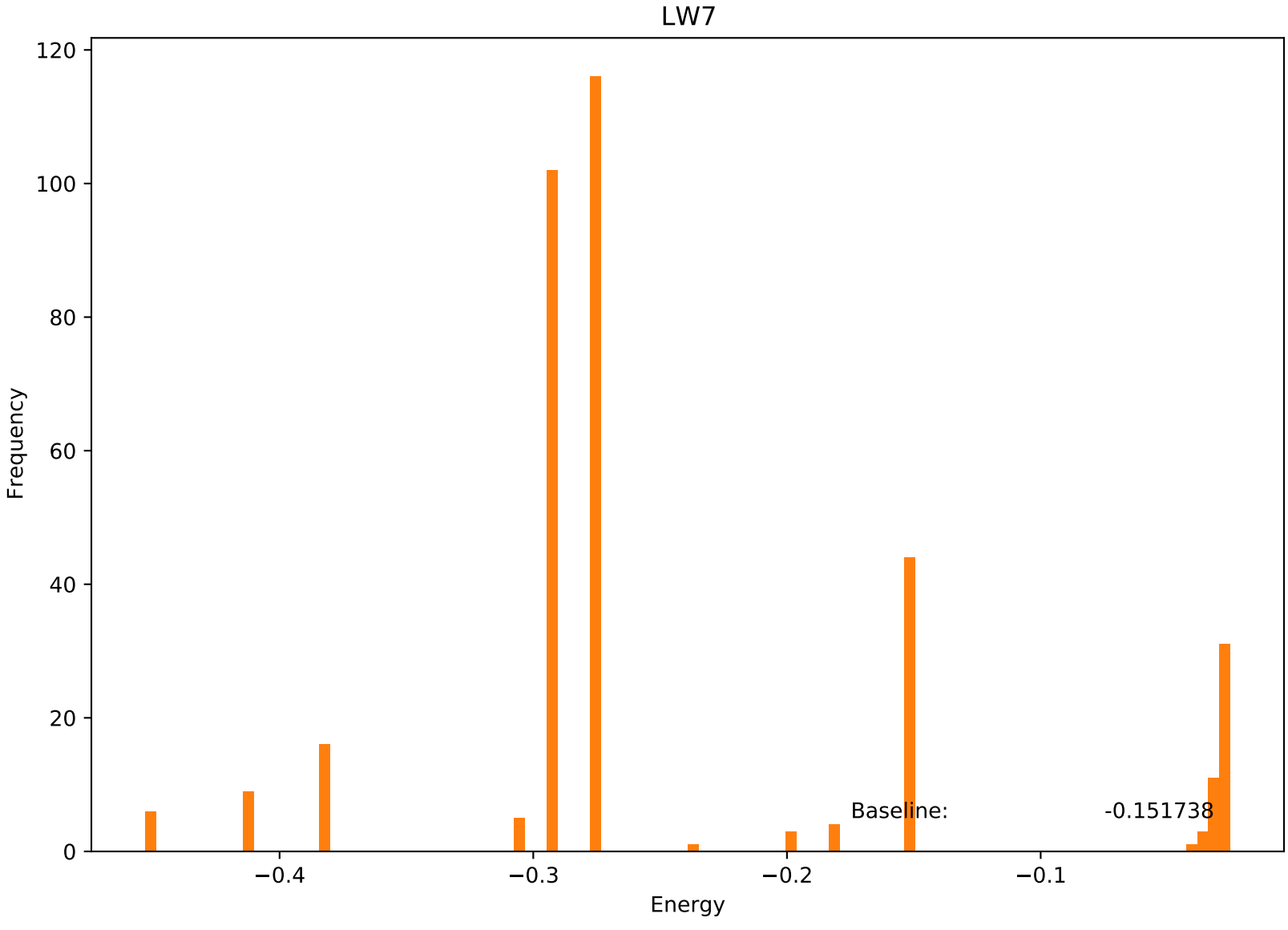

LW2
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
160
−1.075
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900

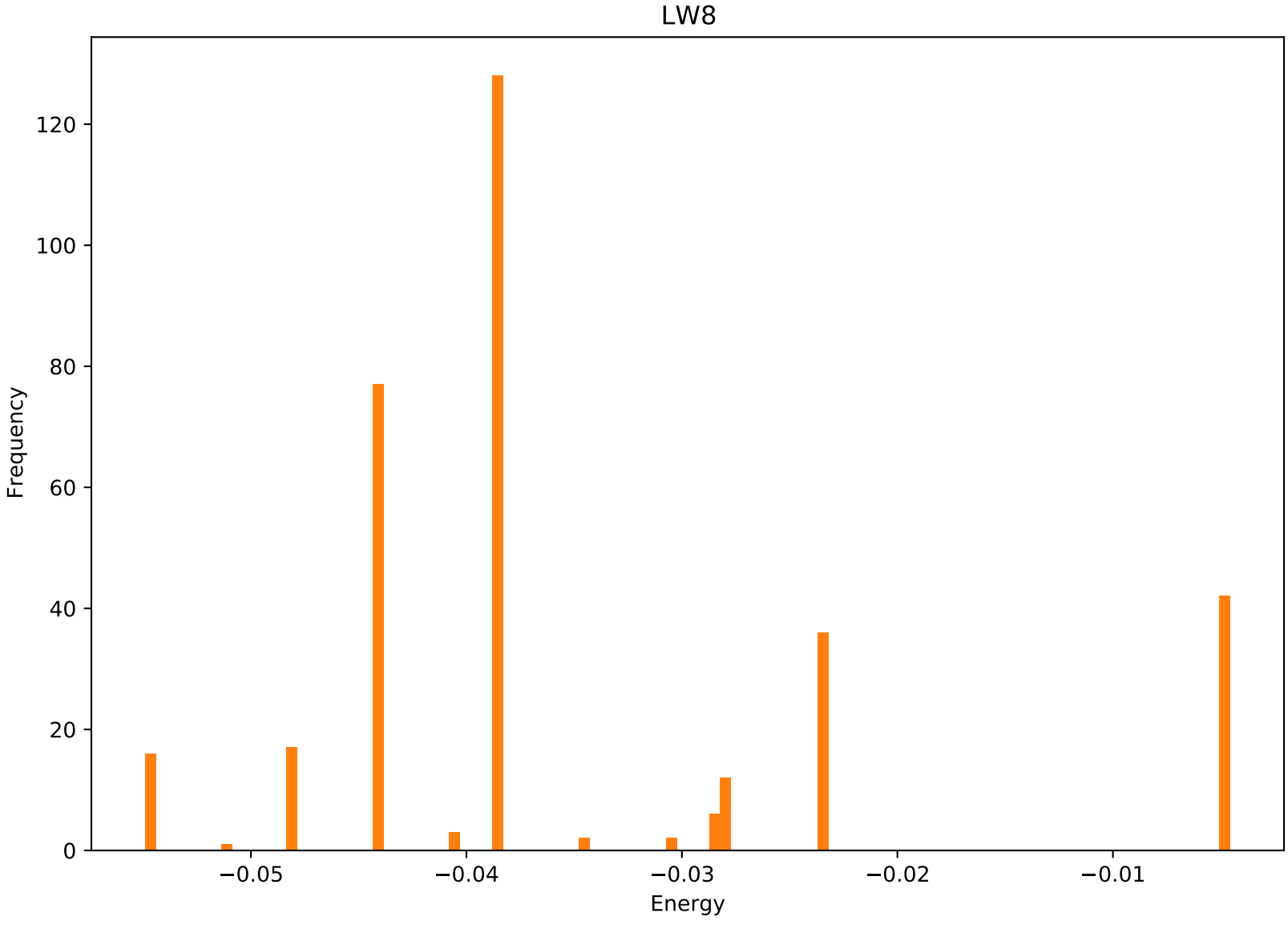

LW3
Frequency
Energy
140
120
100
80
60
40
20
0
−4.0
−3.5
−3.0
−2.5
−2.0

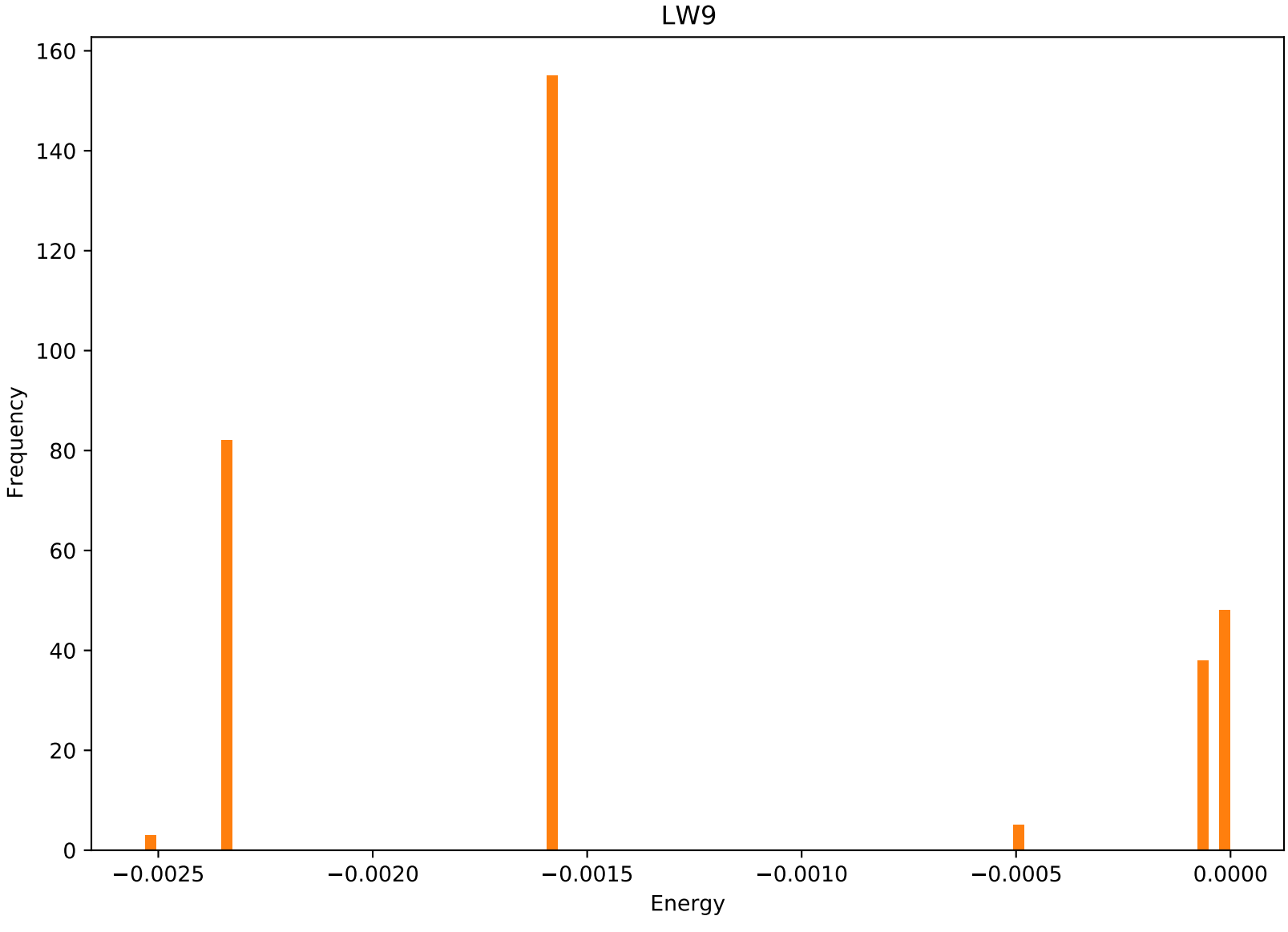

LW4
Frequency
Energy
0
25
50
75
100
125
150
175
200
−5.5
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
Baseline
4li12836

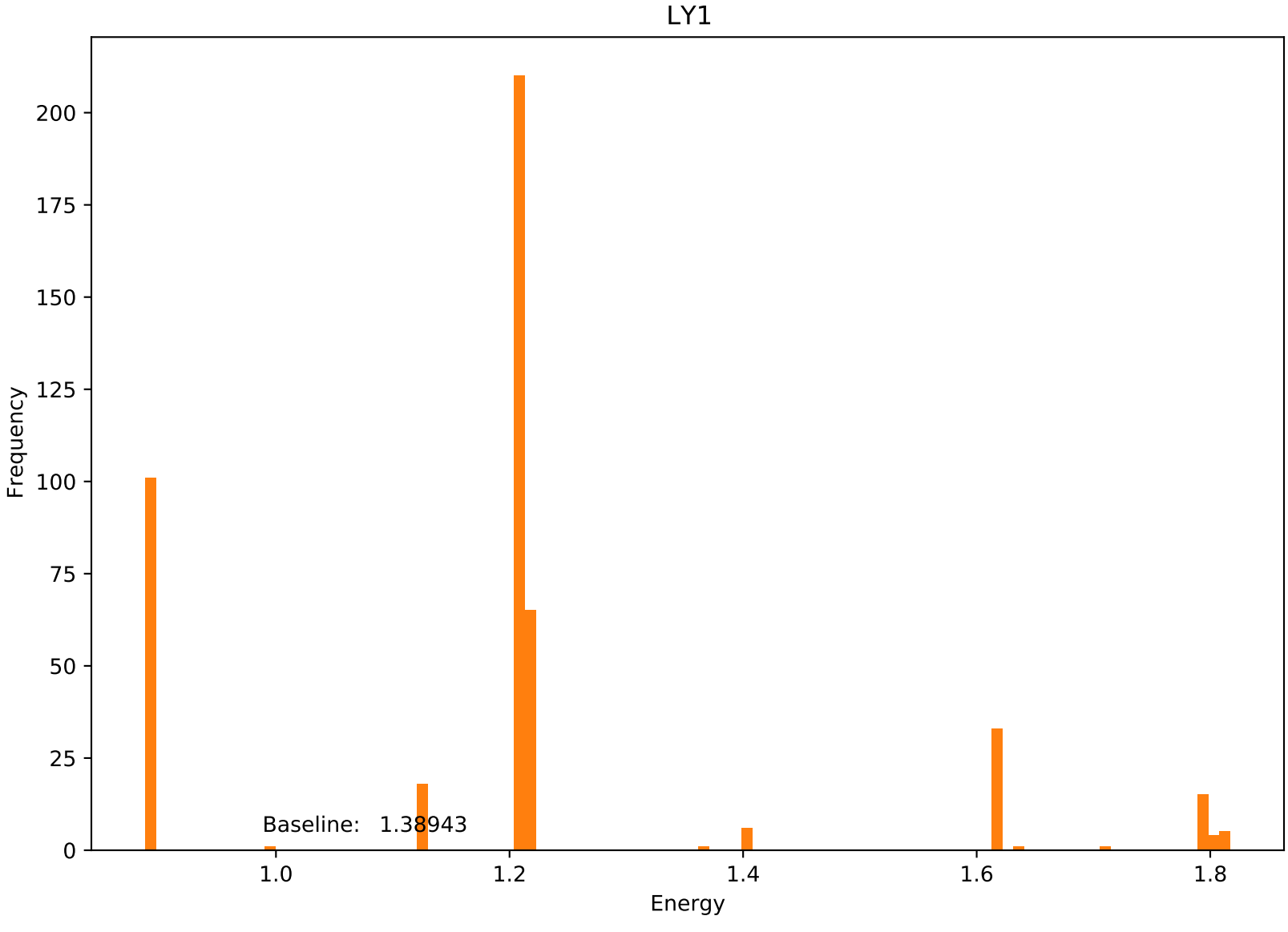

LW5
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
−0.28
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14

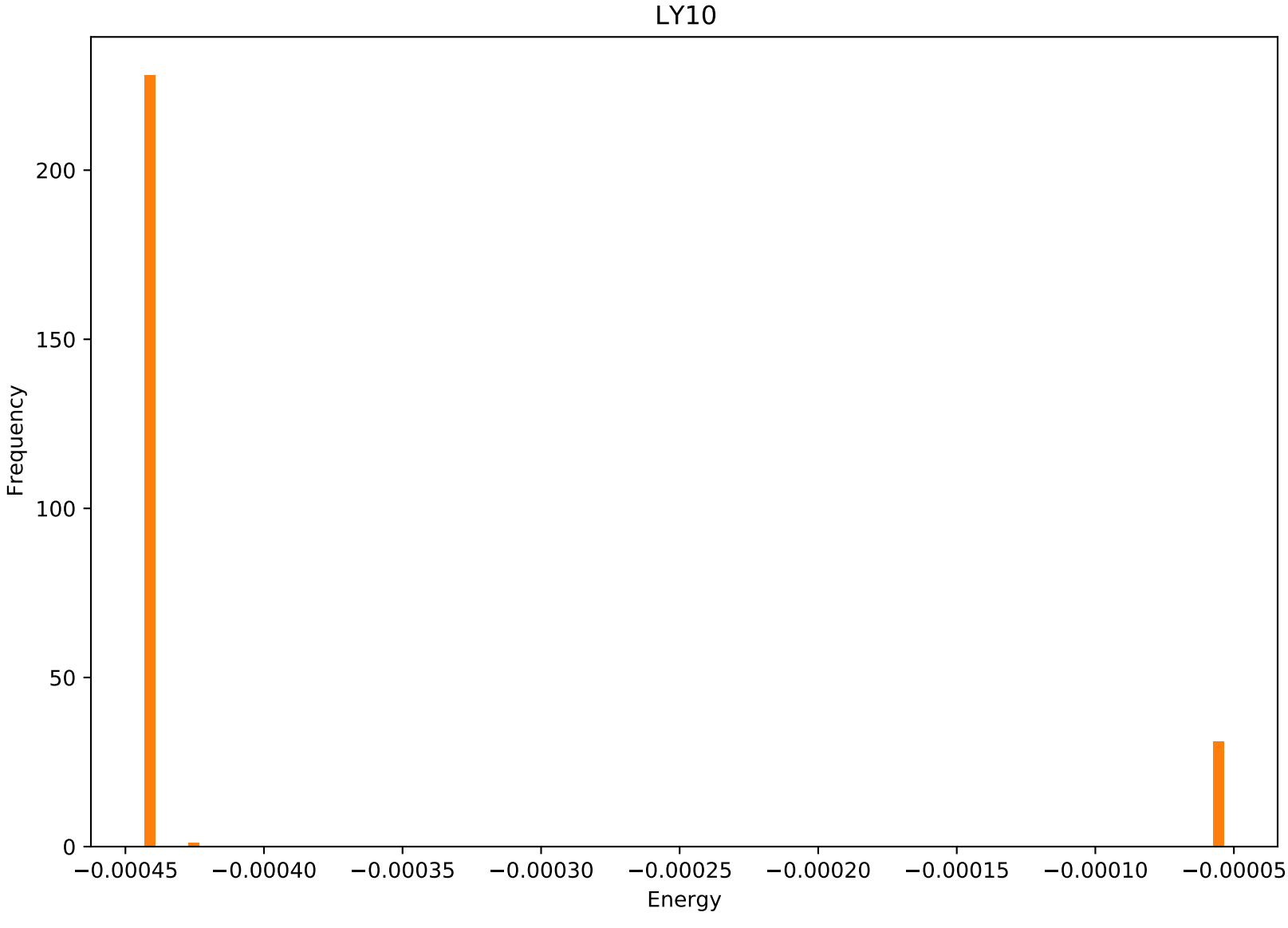

LW6
Frequency
Energy
0
20
40
60
80
100
120
−0.12
−0.10
−0.08
−0.06
−0.04

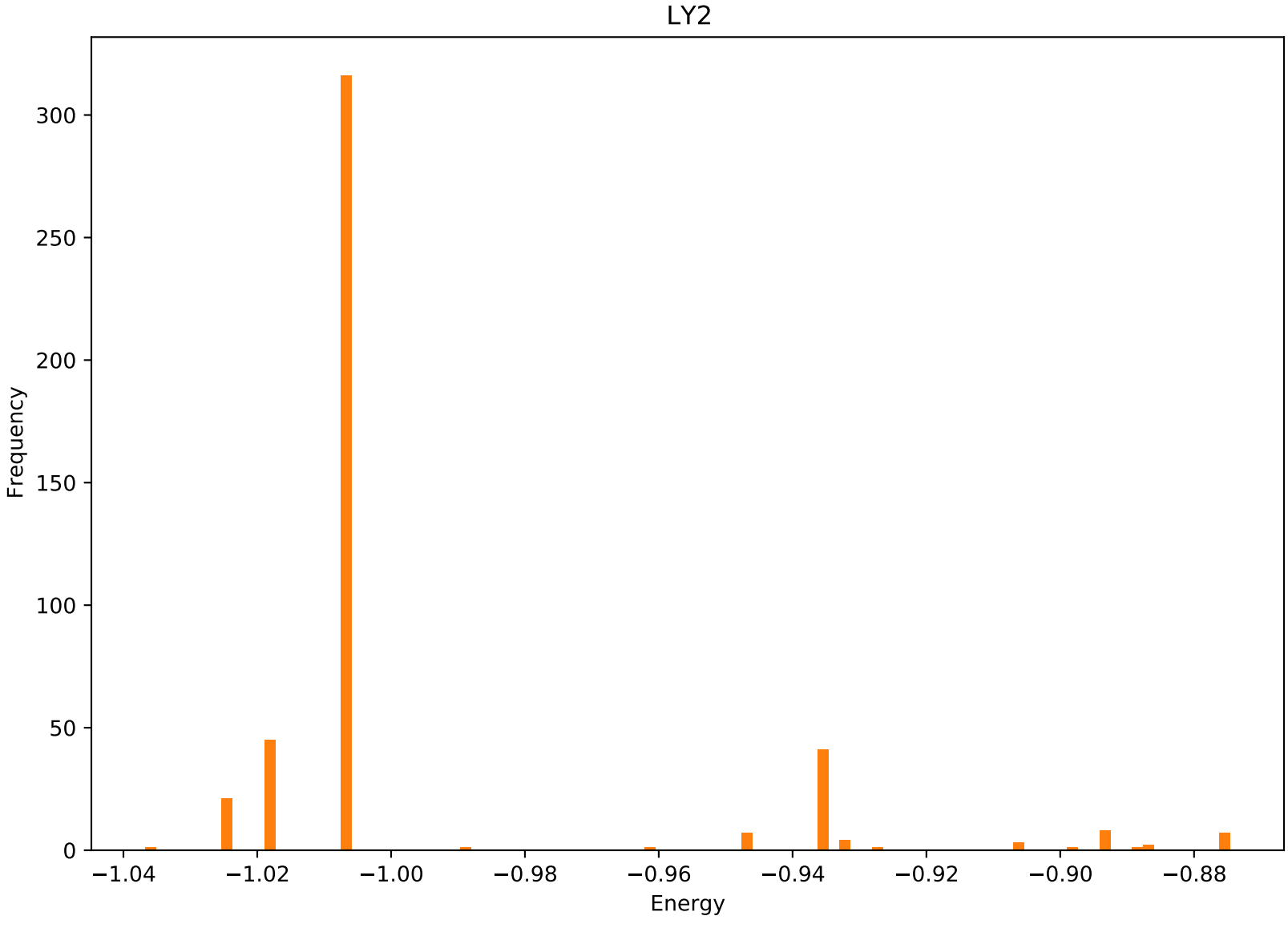

LW7
120
100
80
60
40
20
0
Frequency
−0.4
−0.3
−0.2
−0.1
Energy
Baseline:
-0.151738

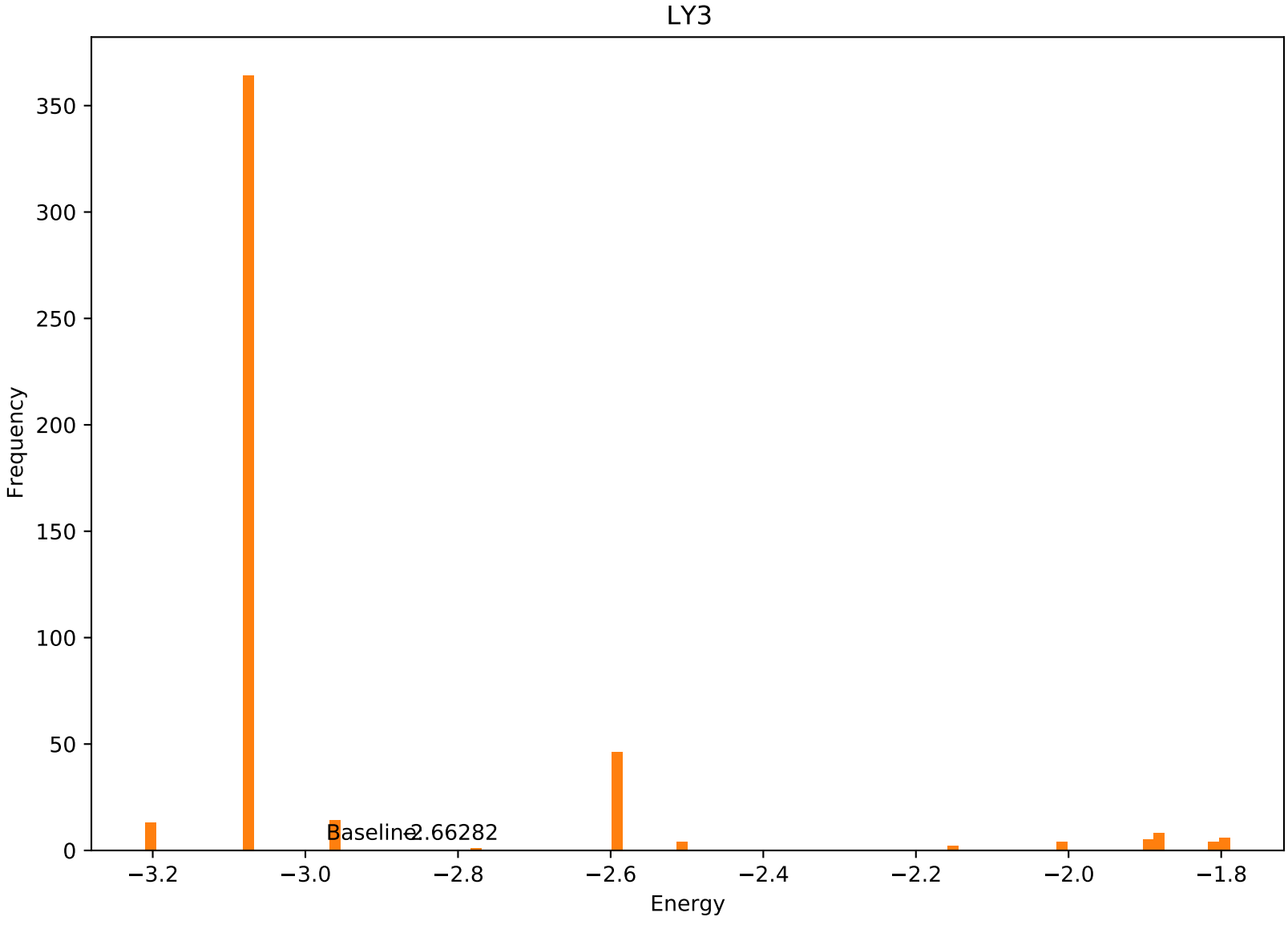

LW8
Frequency
120
100
80
60
40
20
0
−0.05
−0.04
−0.03
−0.02
−0.01
Energy

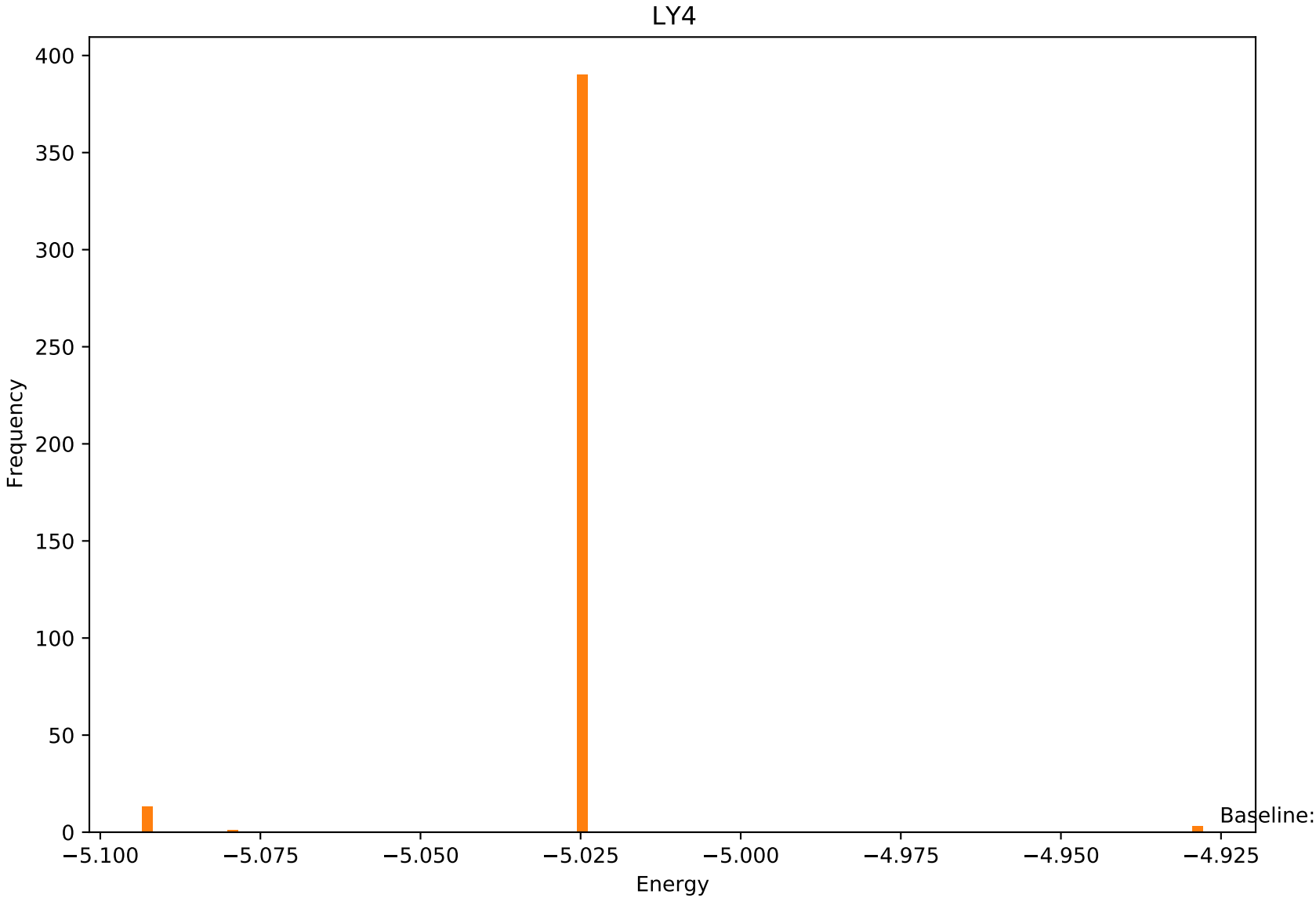

LW9
160
140
120
100
80
60
40
20
0
Frequency
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000
Energy

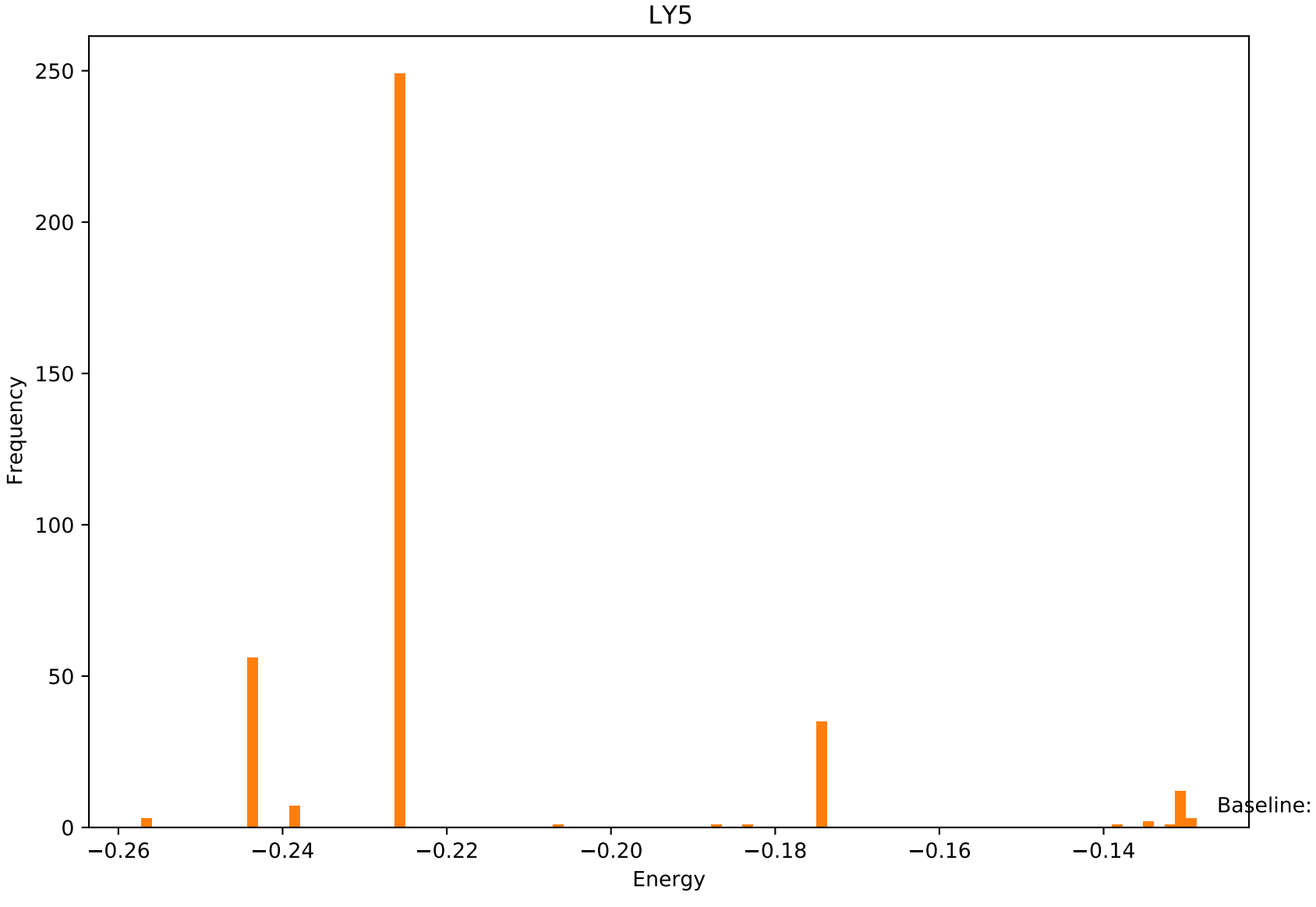

LY1
Frequency
Energy
Baseline: 1.38943
0
25
50
75
100
125
150
175
200
1.0
1.2
1.4
1.6
1.8

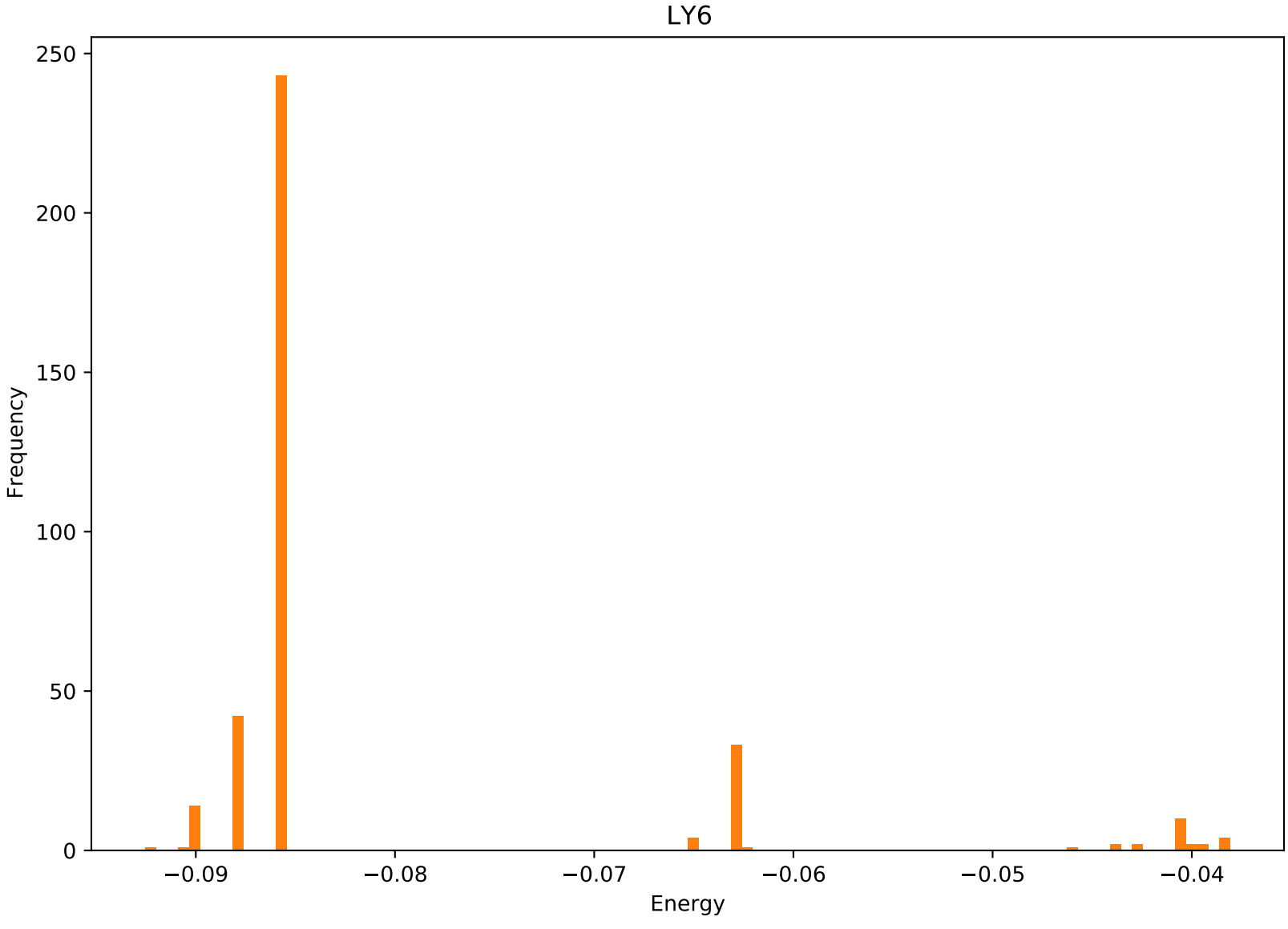

LY10
Frequency
200
150
100
50
0
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy

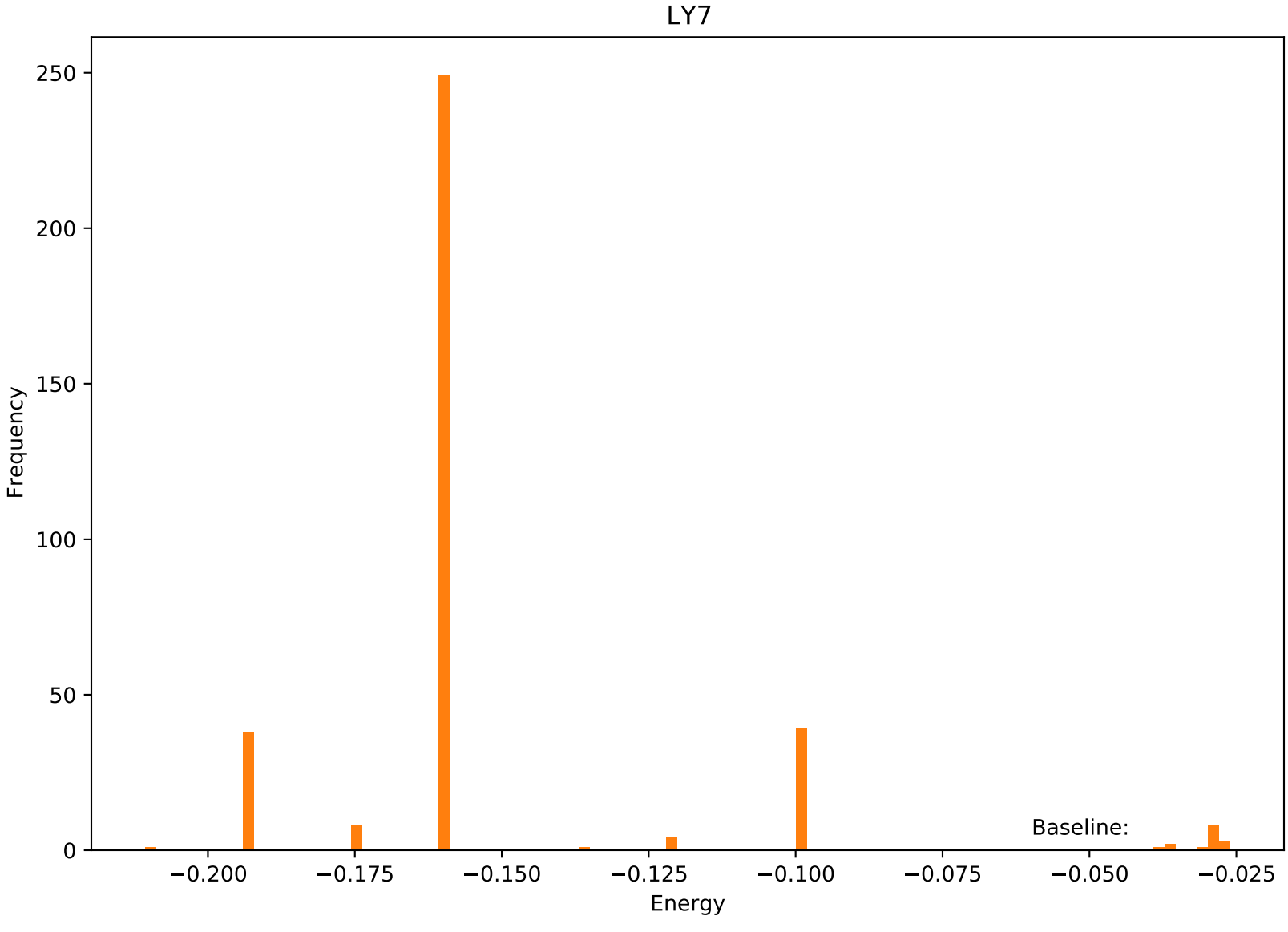

LY2
Frequency
Energy
0
50
100
150
200
250
300
−1.04
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88

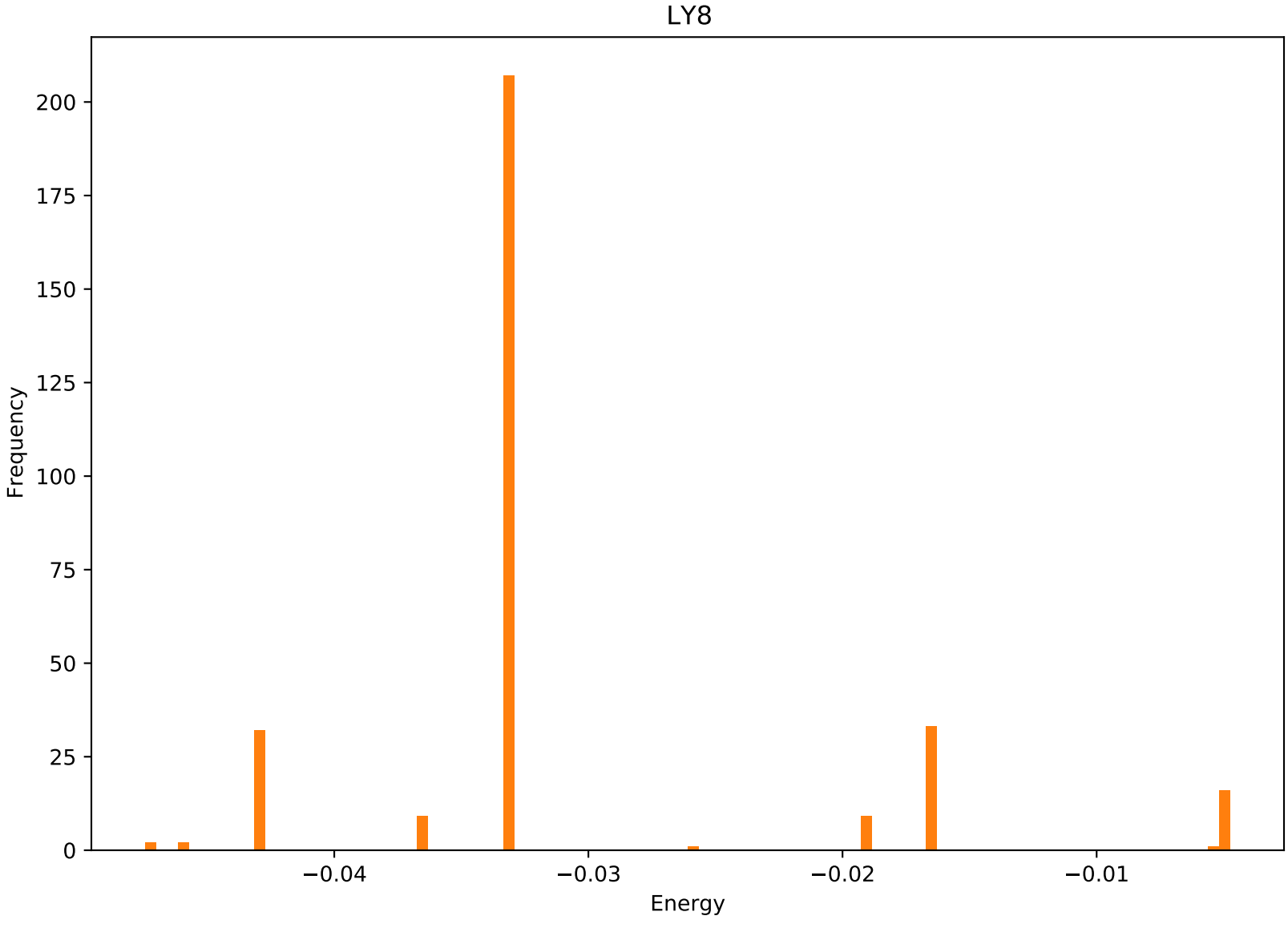

LY3
Frequency
Energy
Baseline: 2.66282
350
300
250
200
150
100
50
0
−3.2
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

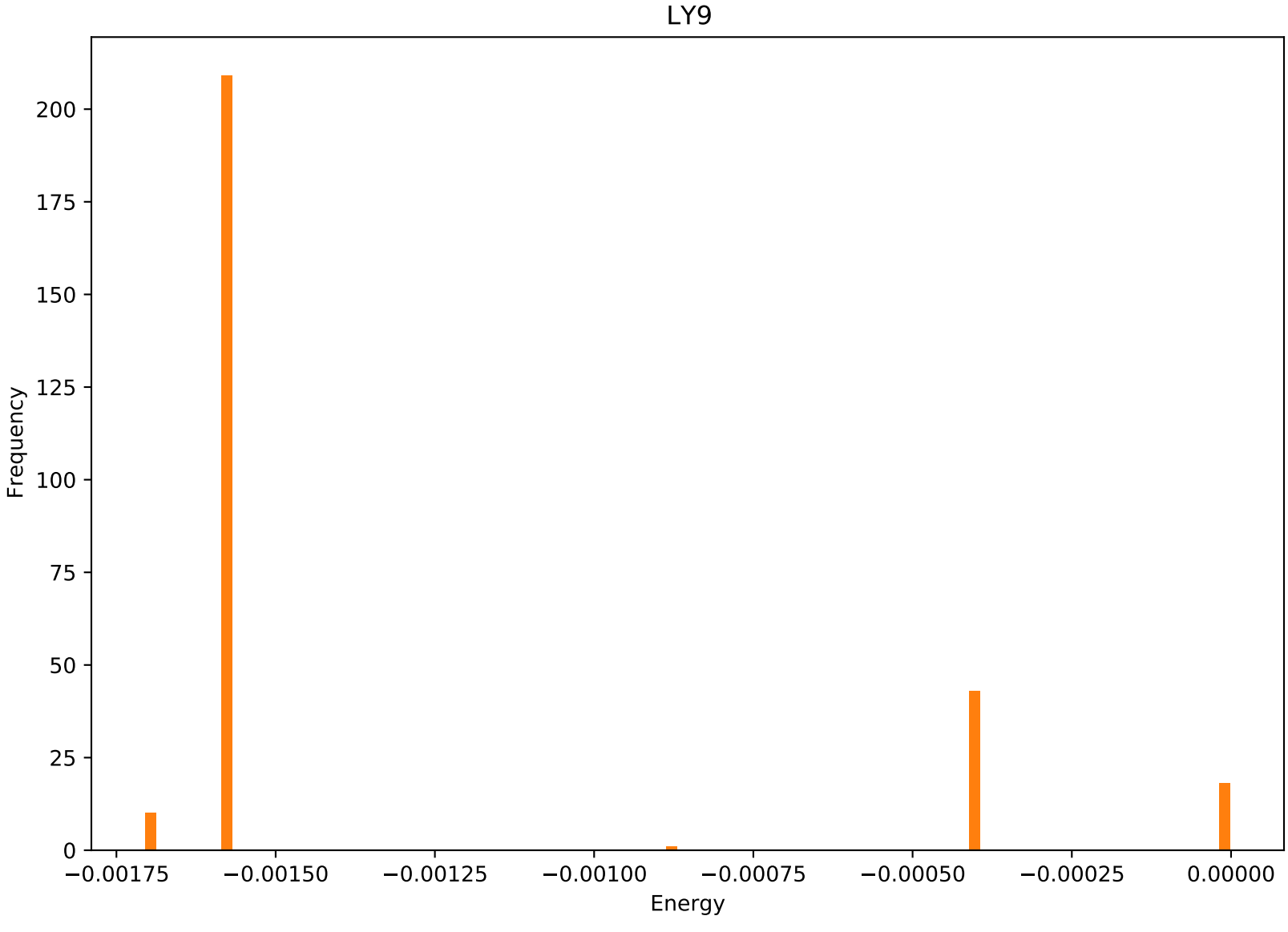

LY4
Frequency
Energy
400
350
300
250
200
150
100
50
0
−5.100
−5.075
−5.050
−5.025
−5.000
−4.975
−4.950
−4.925
Baseline:

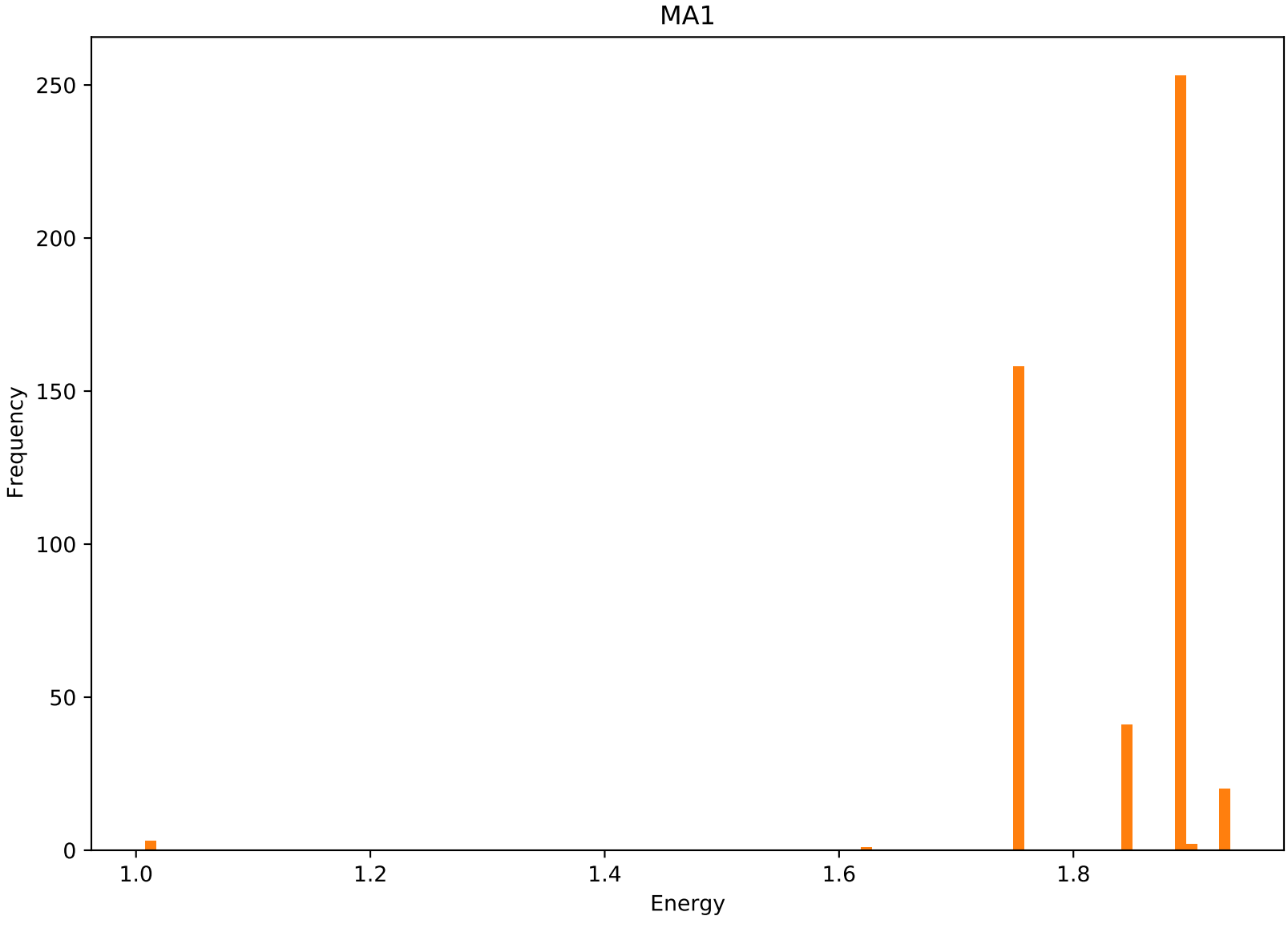

LY5
250
200
150
100
50
0
Frequency
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
Energy
Baseline:

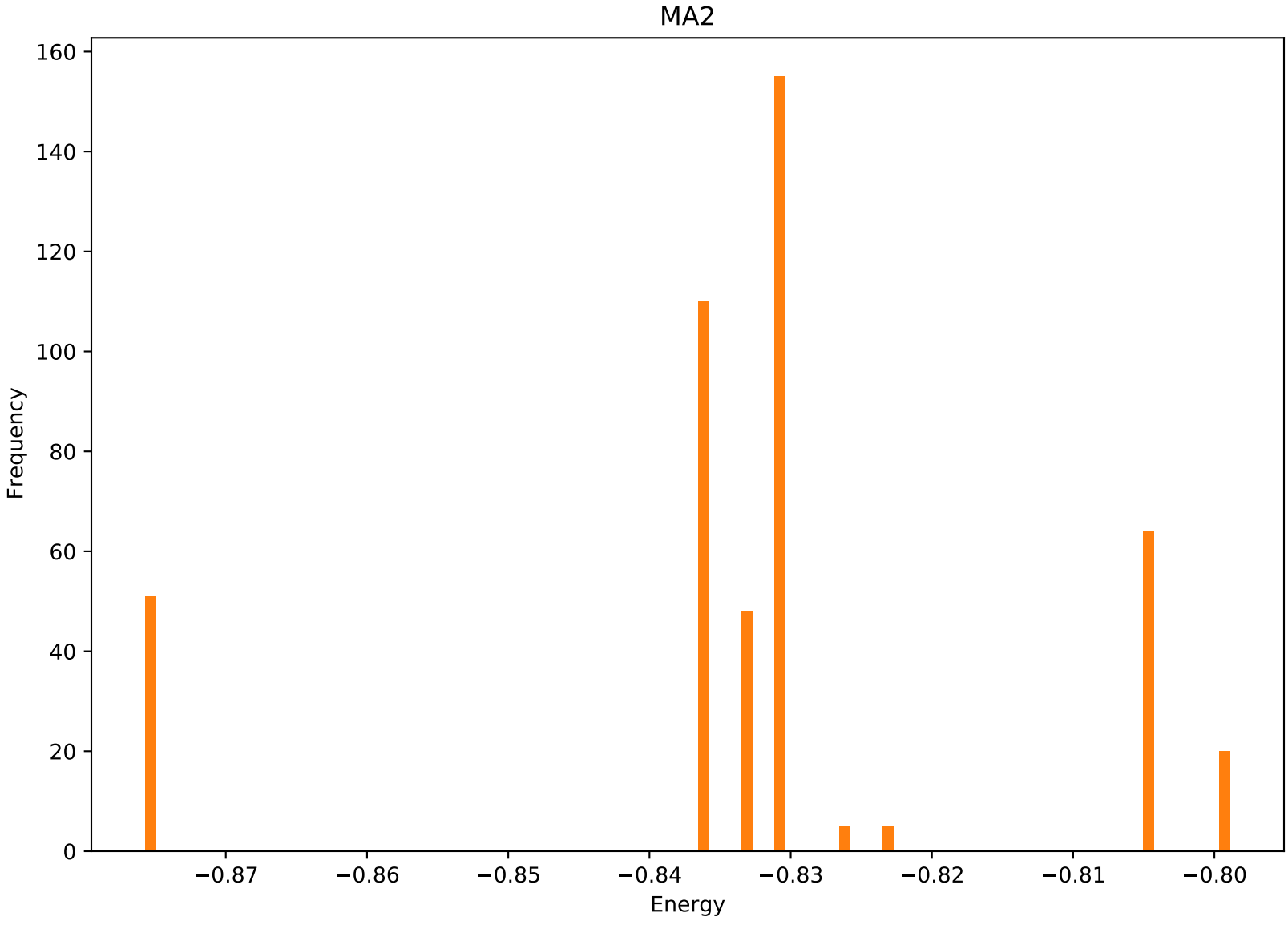

LY6
250
200
150
100
50
0
Frequency
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

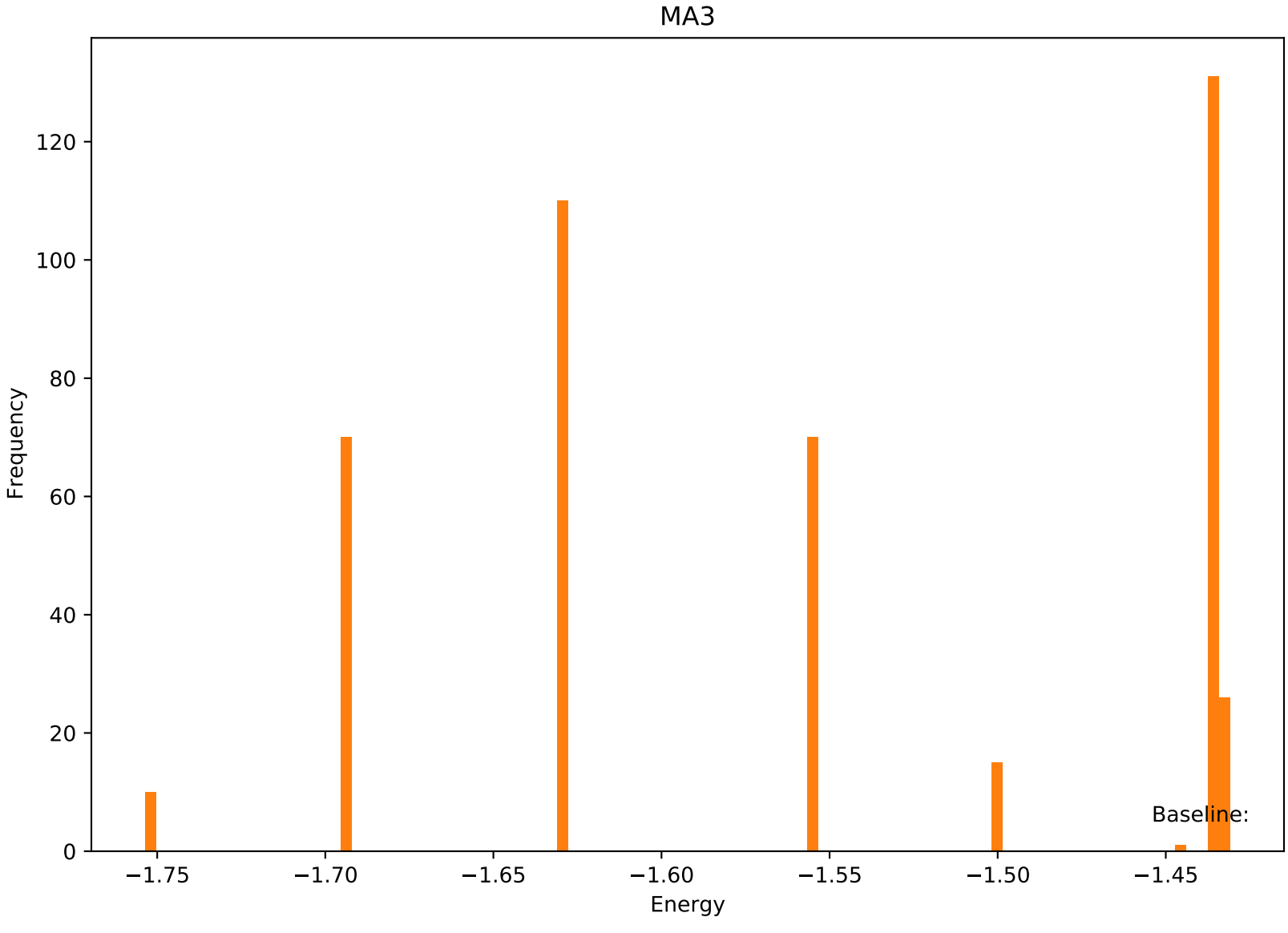

LY7
250
200
150
100
50
0
Frequency
−0.200
−0.175
−0.150
−0.125
−0.100
−0.075
−0.050
−0.025
Energy
Baseline:

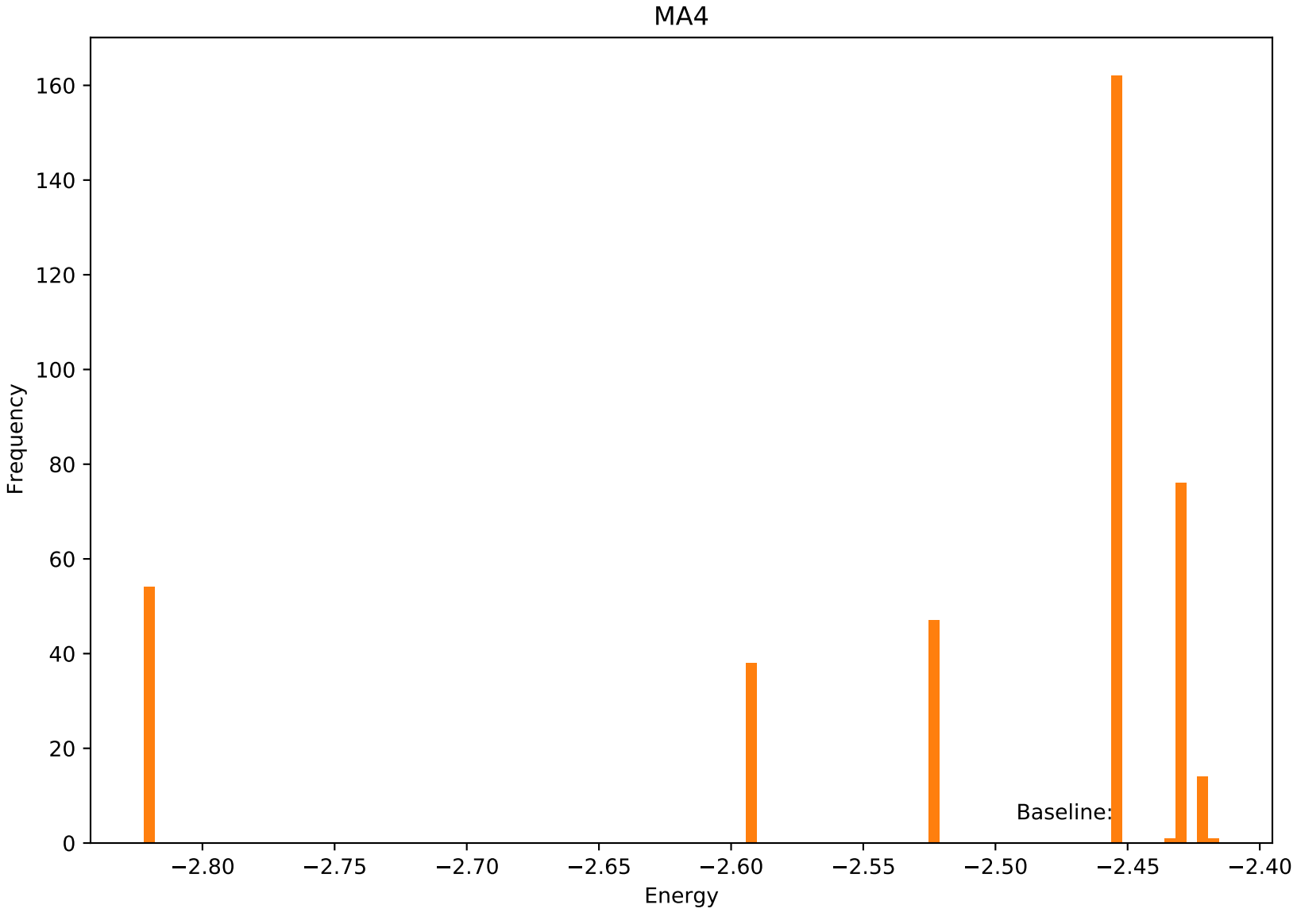

LY8
Frequency
200
175
150
125
100
75
50
25
0
−0.04
−0.03
−0.02
−0.01
Energy

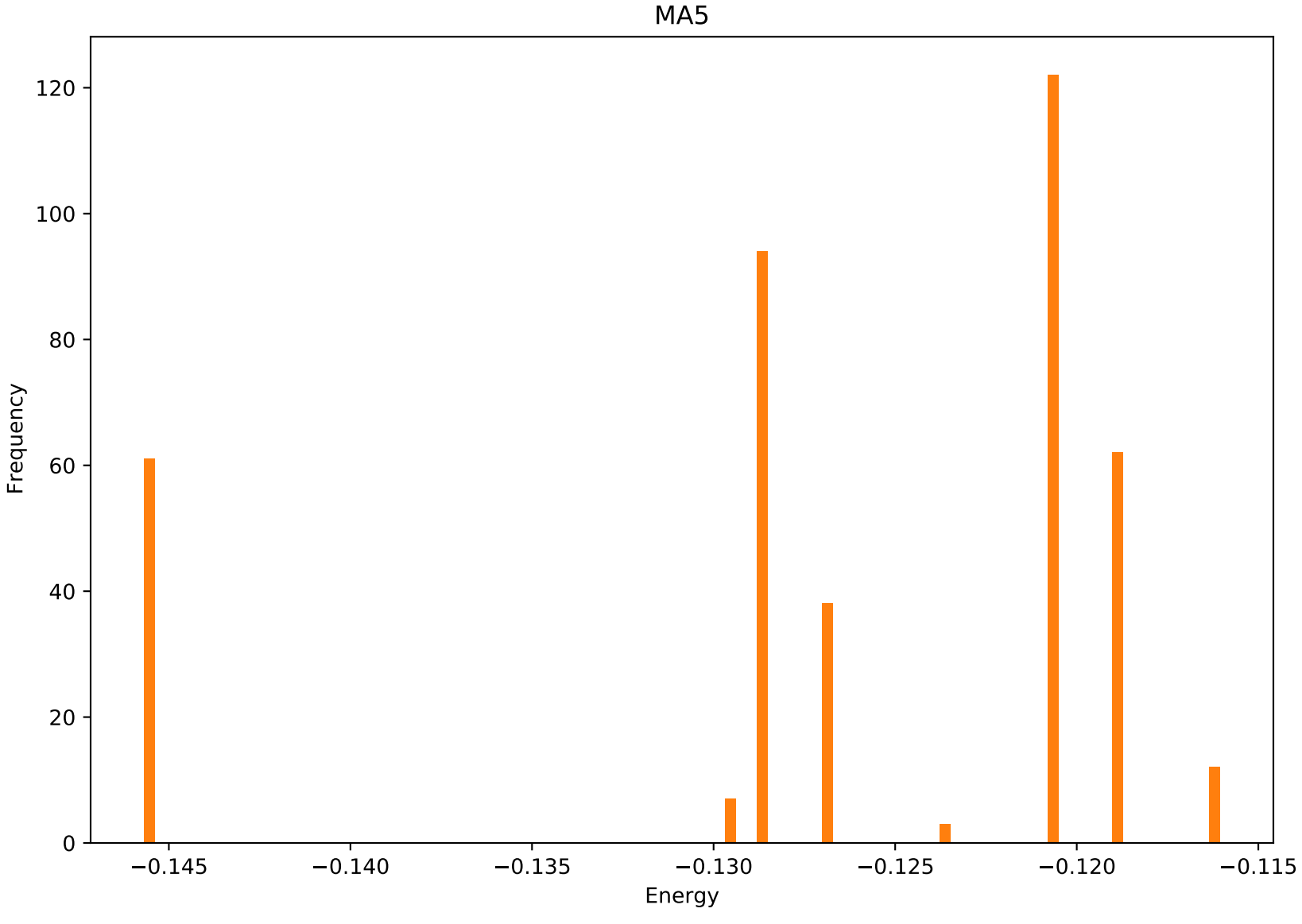

LY9
Frequency
200
175
150
125
100
75
50
25
0
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000
Energy

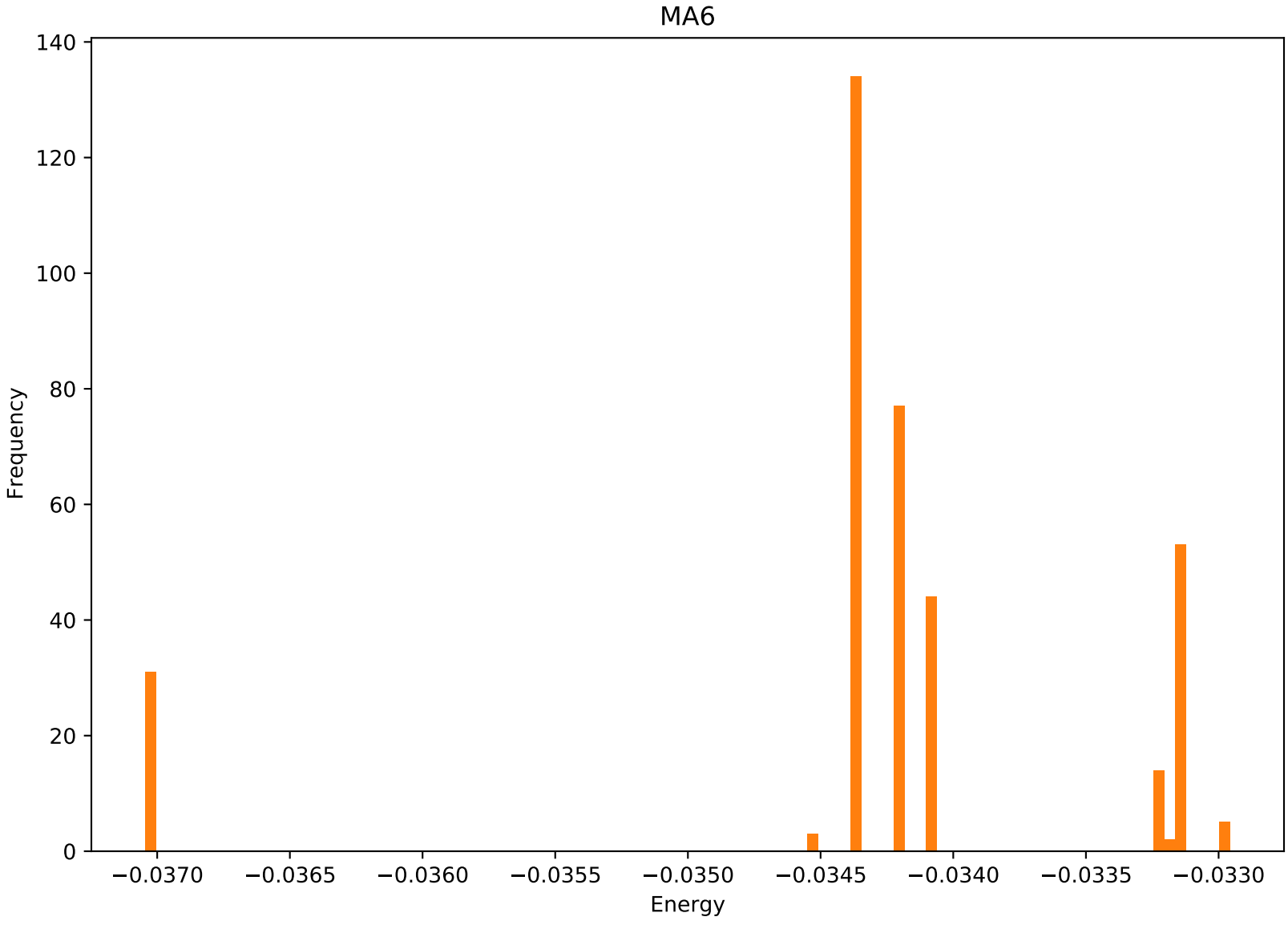

MA1
Frequency
Energy
0
50
100
150
200
250
1.0
1.2
1.4
1.6
1.8

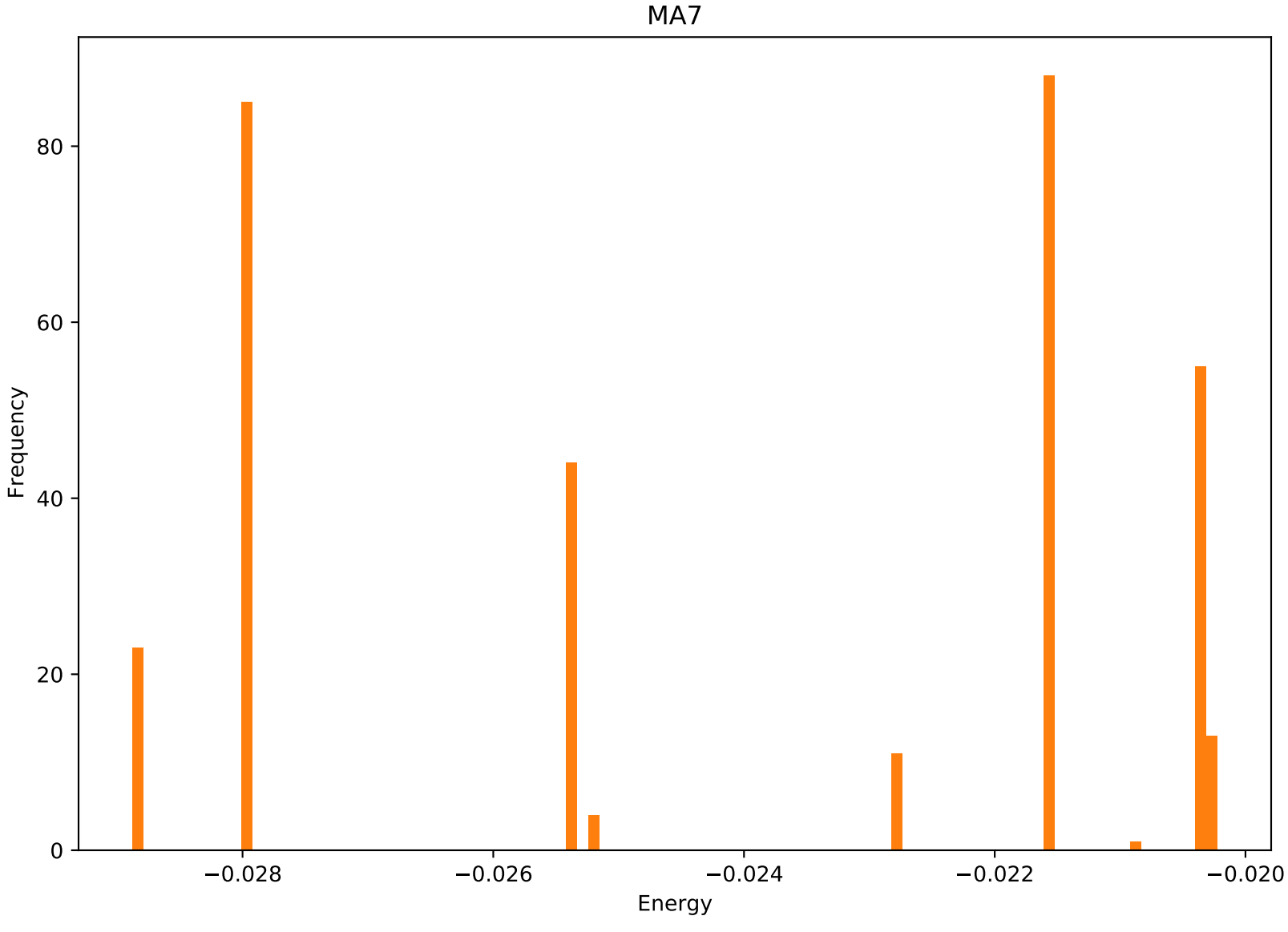

MA2
Frequency
Energy
0
20
40
60
80
100
120
140
160
−0.87
−0.86
−0.85
−0.84
−0.83
−0.82
−0.81
−0.80

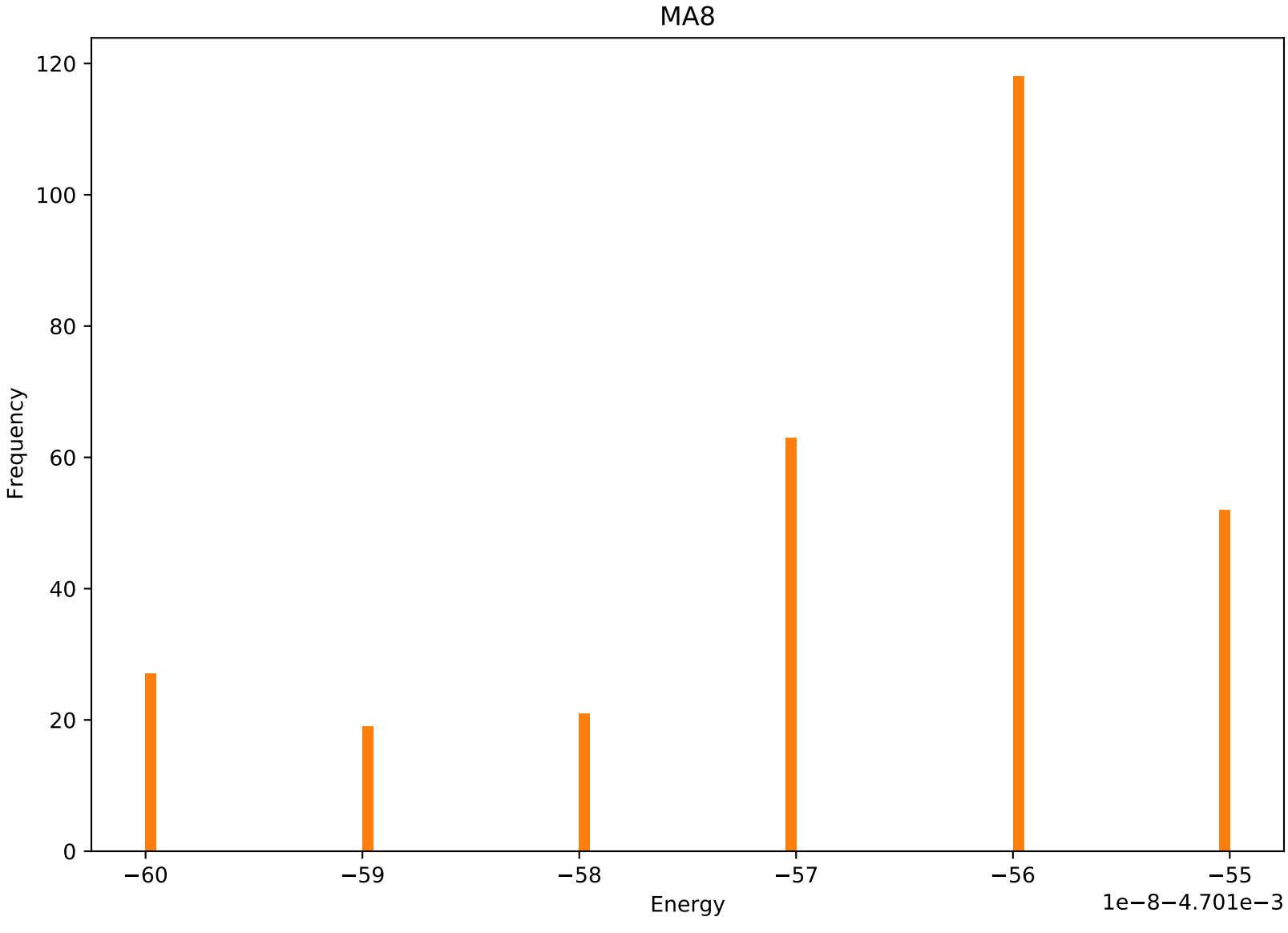

MA3
Frequency
120
100
80
60
40
20
0
−1.75
−1.70
−1.65
−1.60
−1.55
−1.50
−1.45
Energy
Baseline:

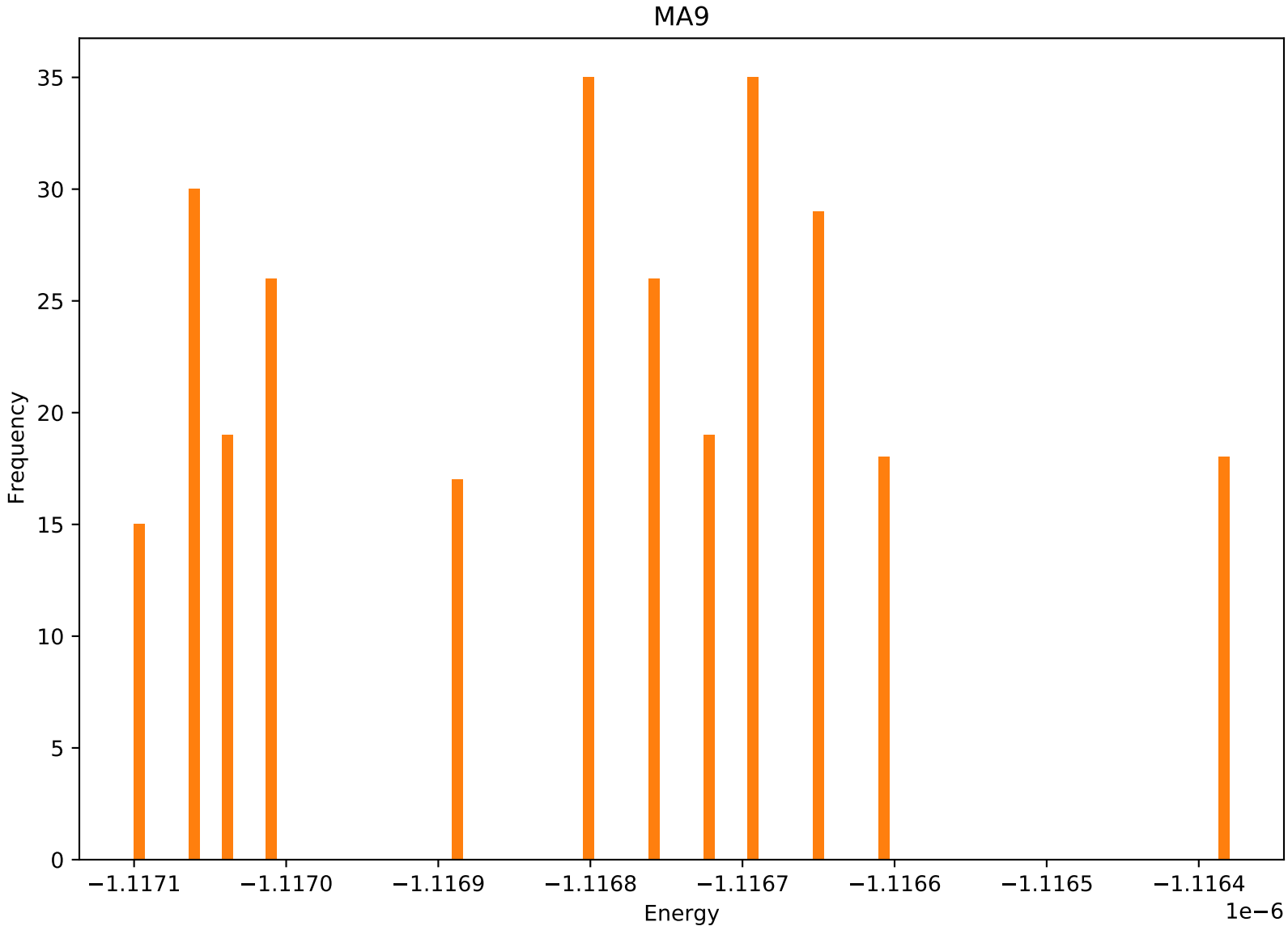

MA4
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
160
−2.80
−2.75
−2.70
−2.65
−2.60
−2.55
−2.50
−2.45
−2.40

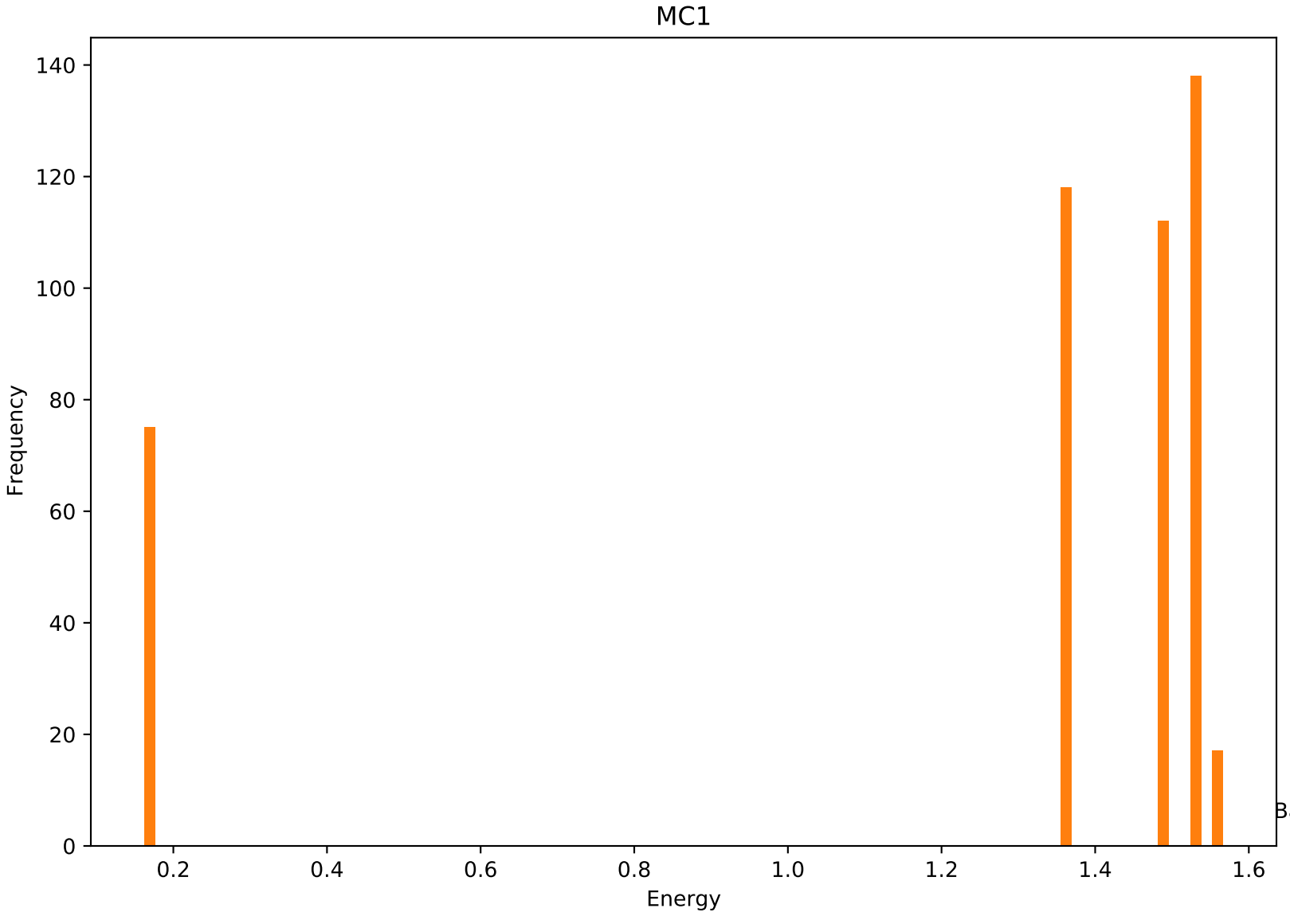

MA5
Frequency
120
100
80
60
40
20
0
−0.145
−0.140
−0.135
−0.130
−0.125
−0.120
−0.115
Energy


MA6
Frequency
Energy
140
120
100
80
60
40
20
0
−0.0370
−0.0365
−0.0360
−0.0355
−0.0350
−0.0345
−0.0340
−0.0335
−0.0330

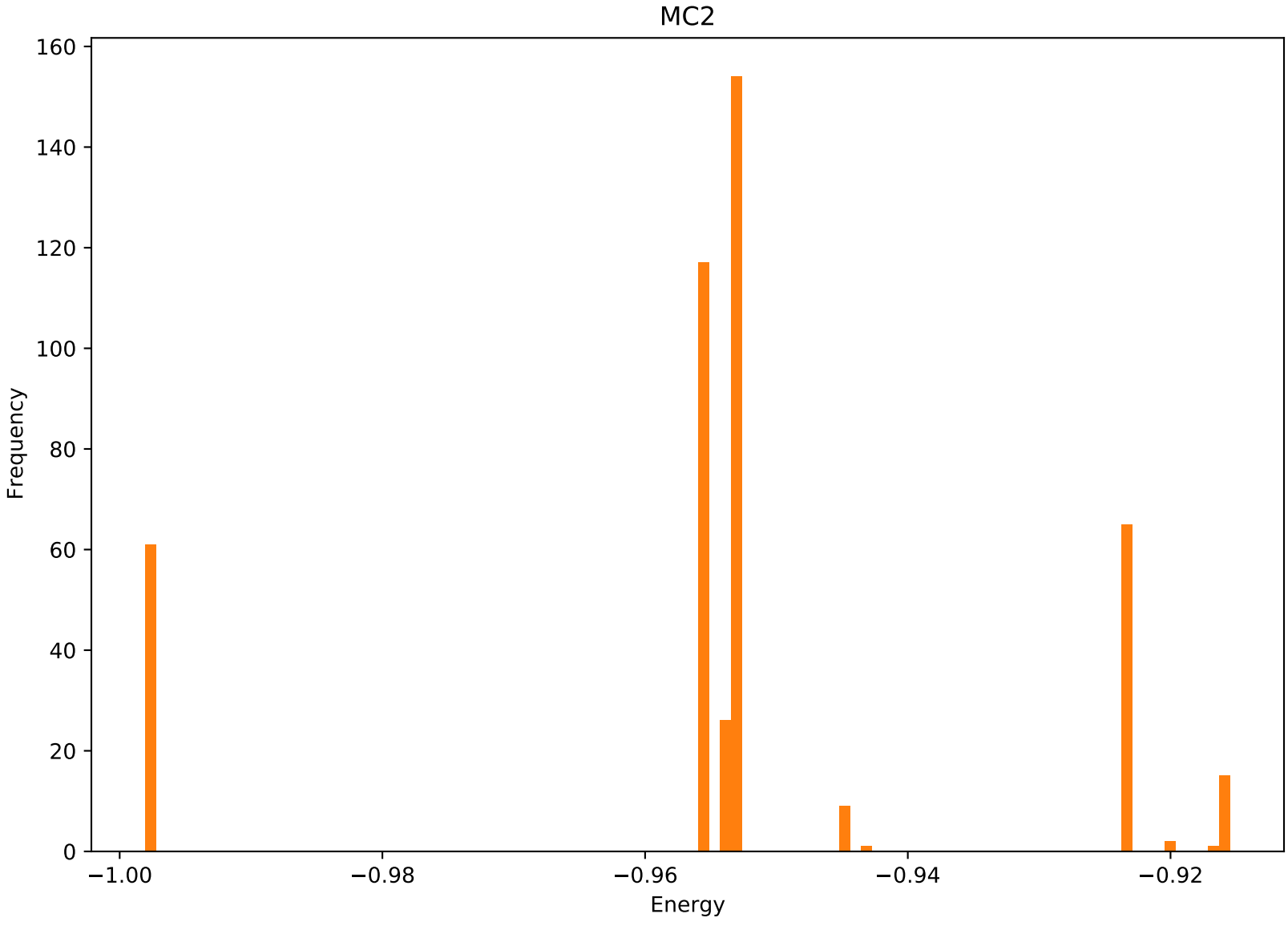

MA7
Frequency
0
20
40
60
80
−0.028
−0.026
−0.024
−0.022
−0.020
Energy

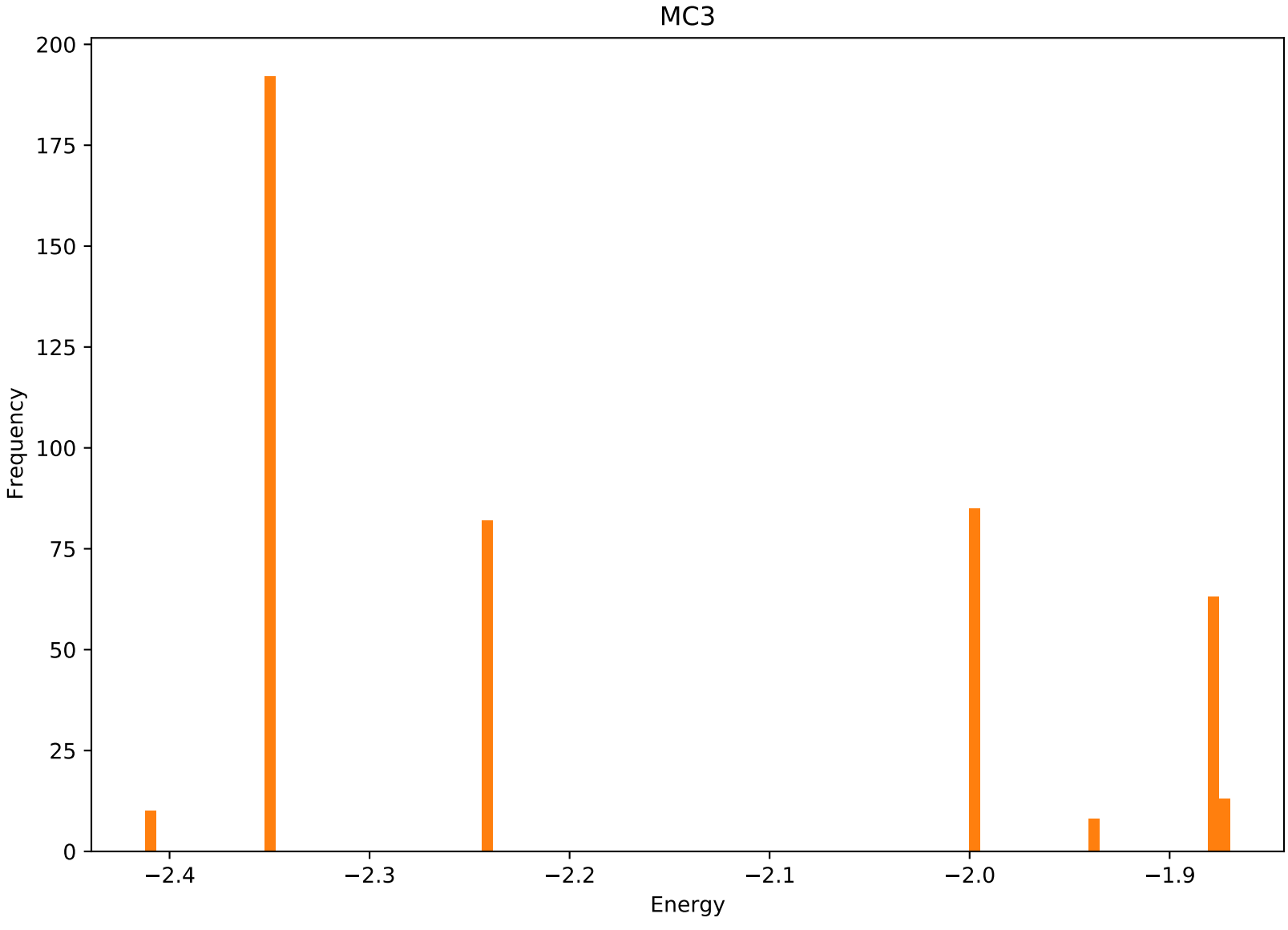

MA8
Frequency
120
100
80
60
40
20
0
−60
−59
−58
−57
−56
−55
Energy
1e−8−4.701e−3

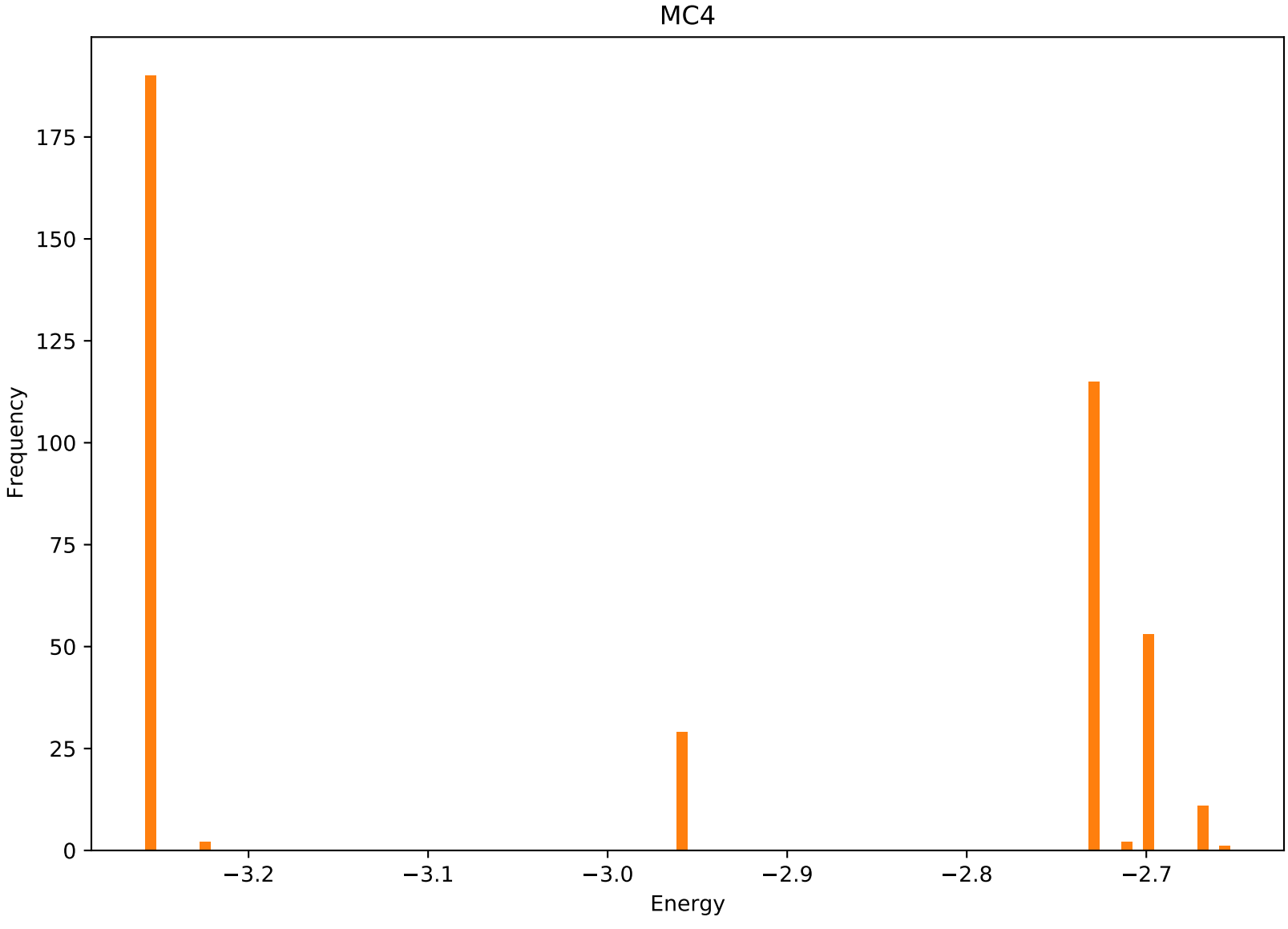

MA9
Frequency
0
5
10
15
20
25
30
35
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

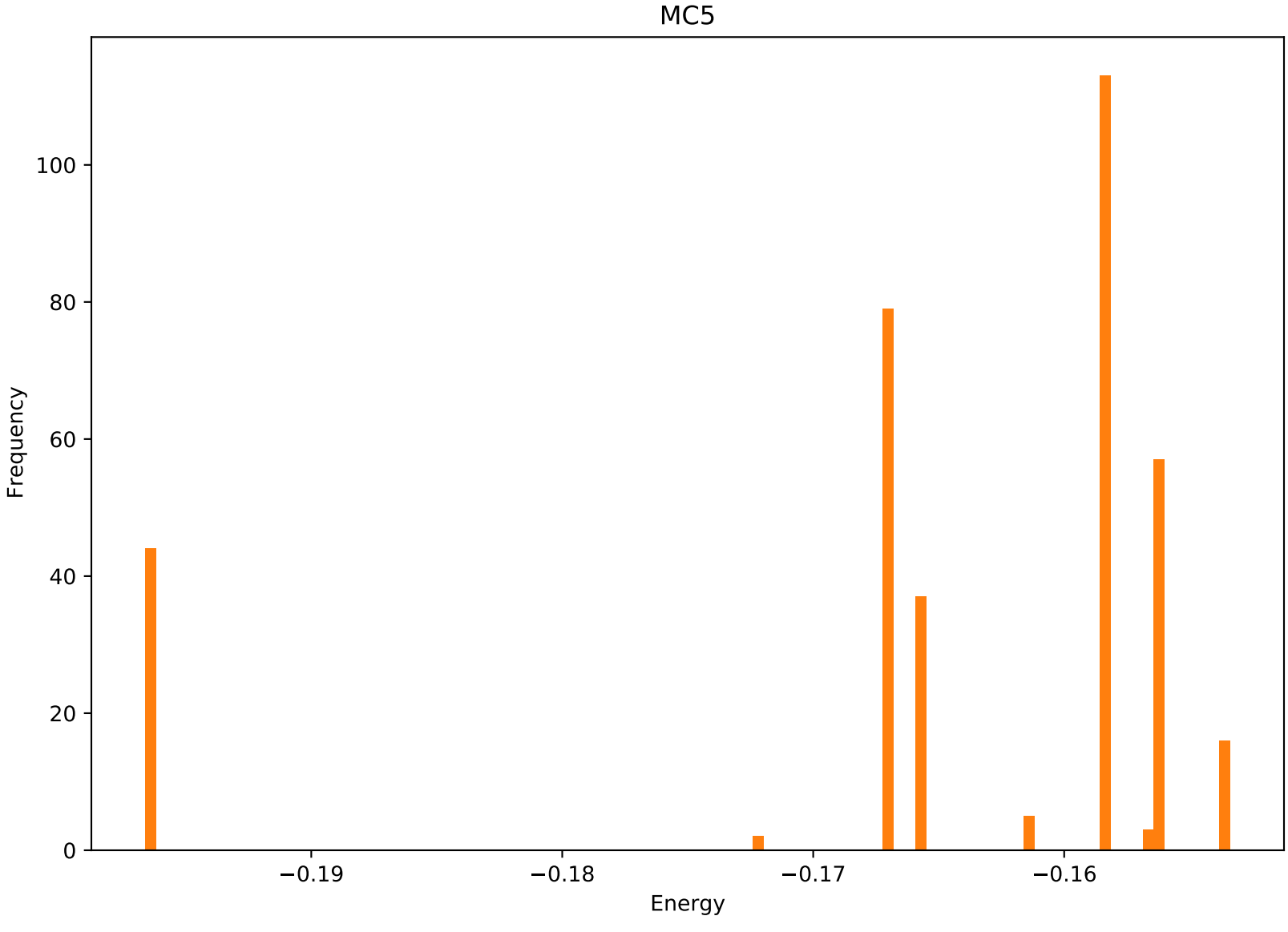

MC1
Frequency
Energy
0
20
40
60
80
100
120
140
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6

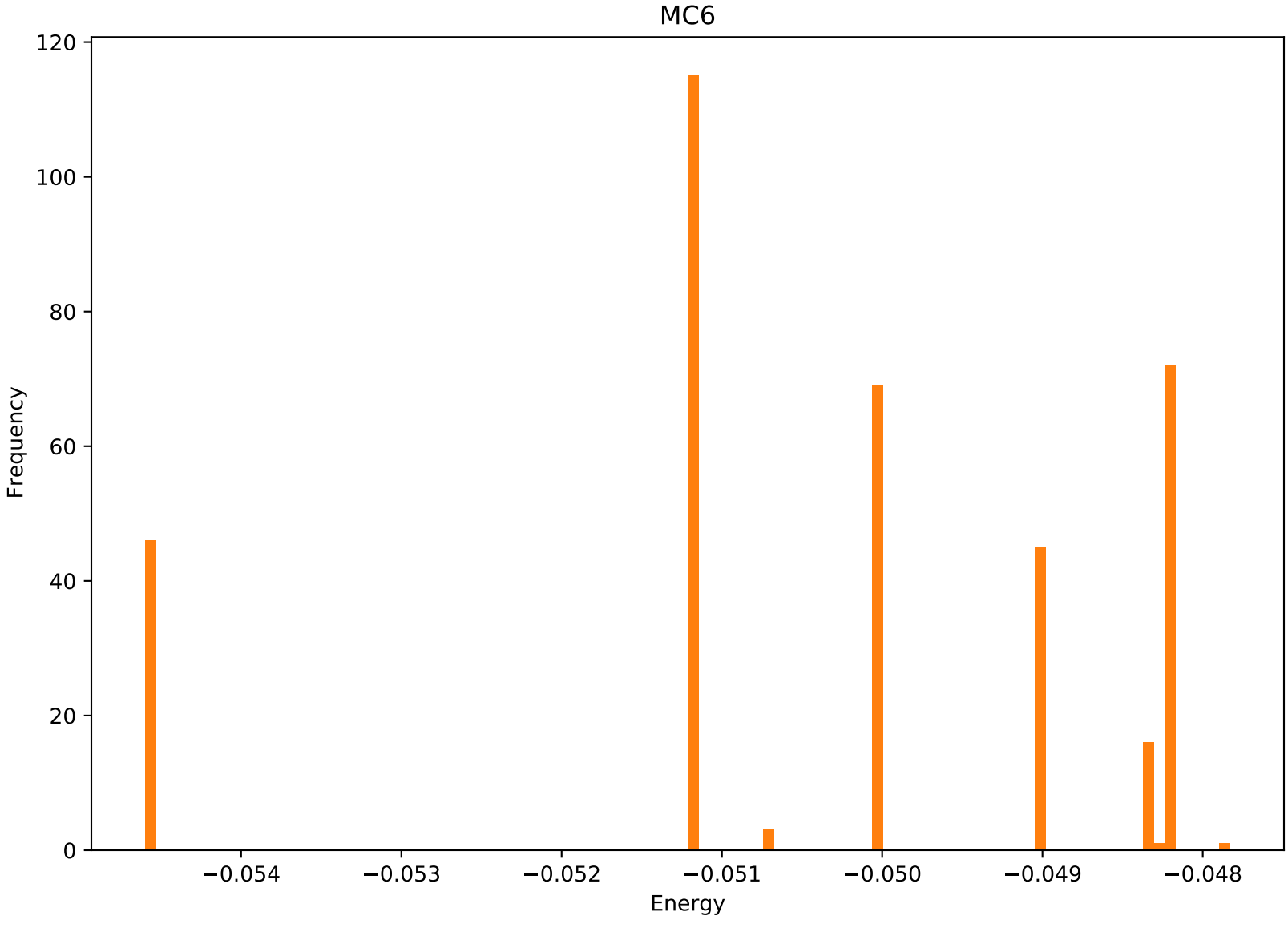
Baseline:

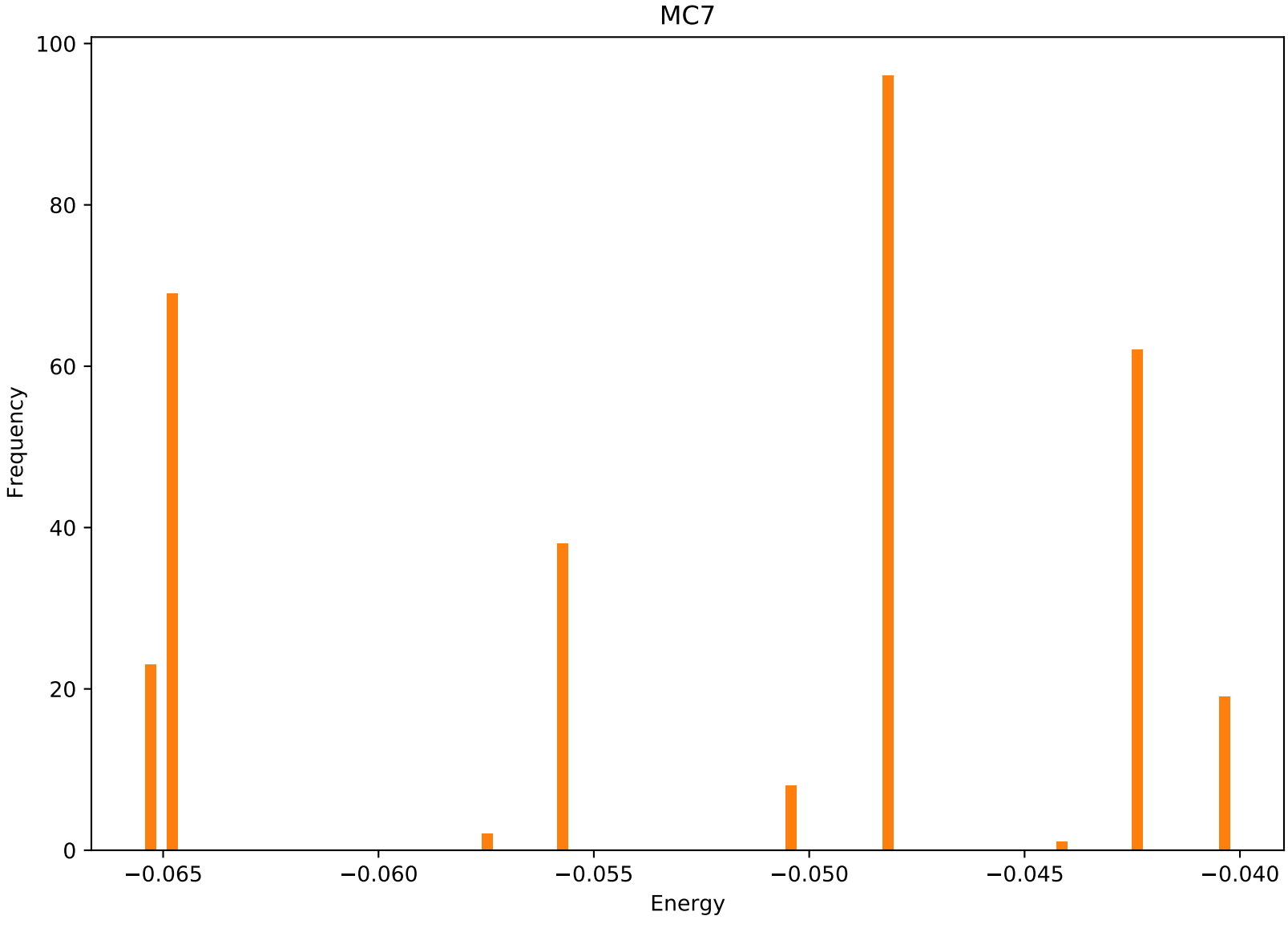

MC2
160
140
120
100
80
60
40
20
0
Frequency
−1.00
−0.98
−0.96
−0.94
−0.92
Energy

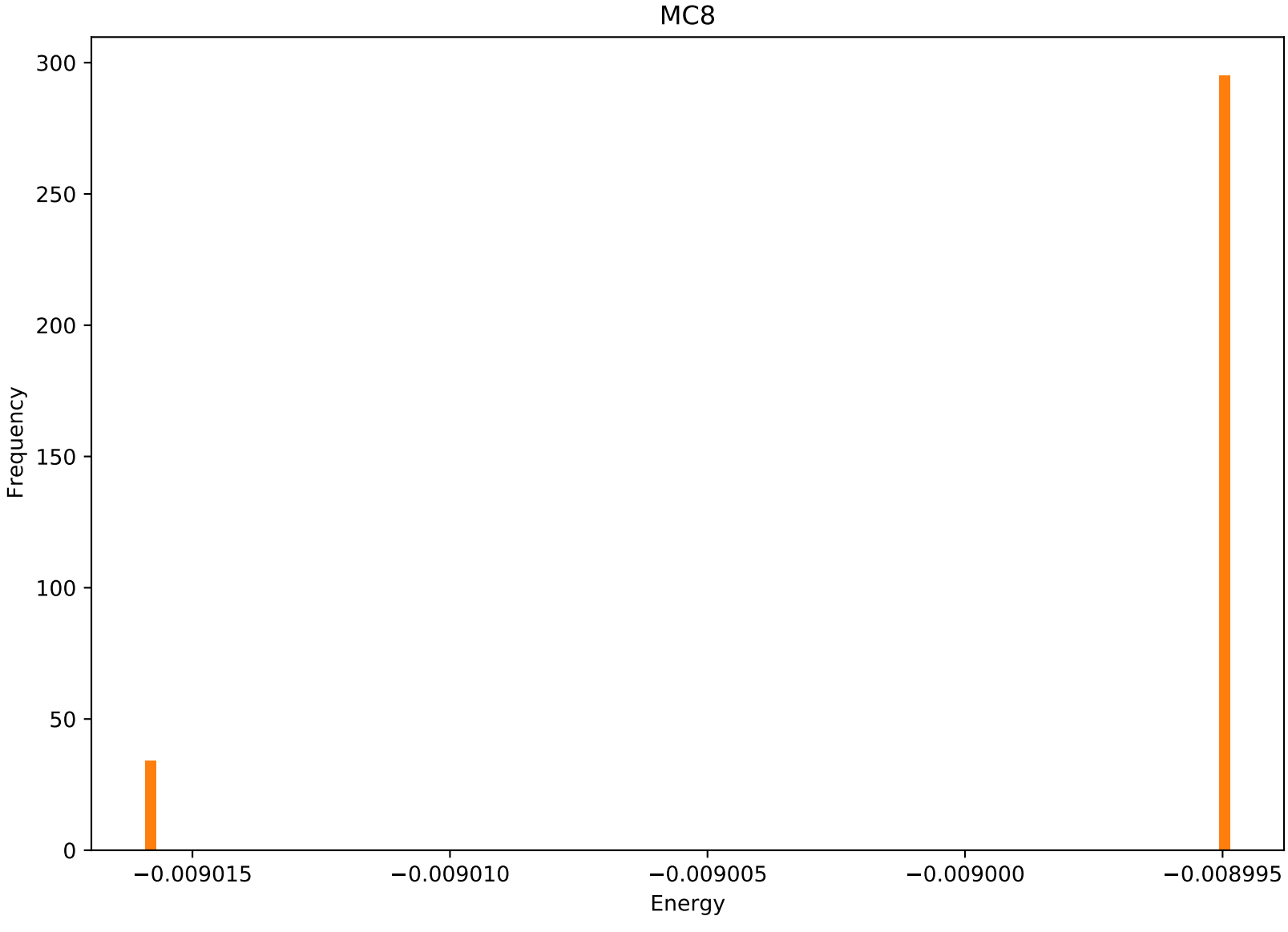

MC3
Frequency
Energy
200
175
150
125
100
75
50
25
0
−2.4
−2.3
−2.2
−2.1
−2.0
−1.9

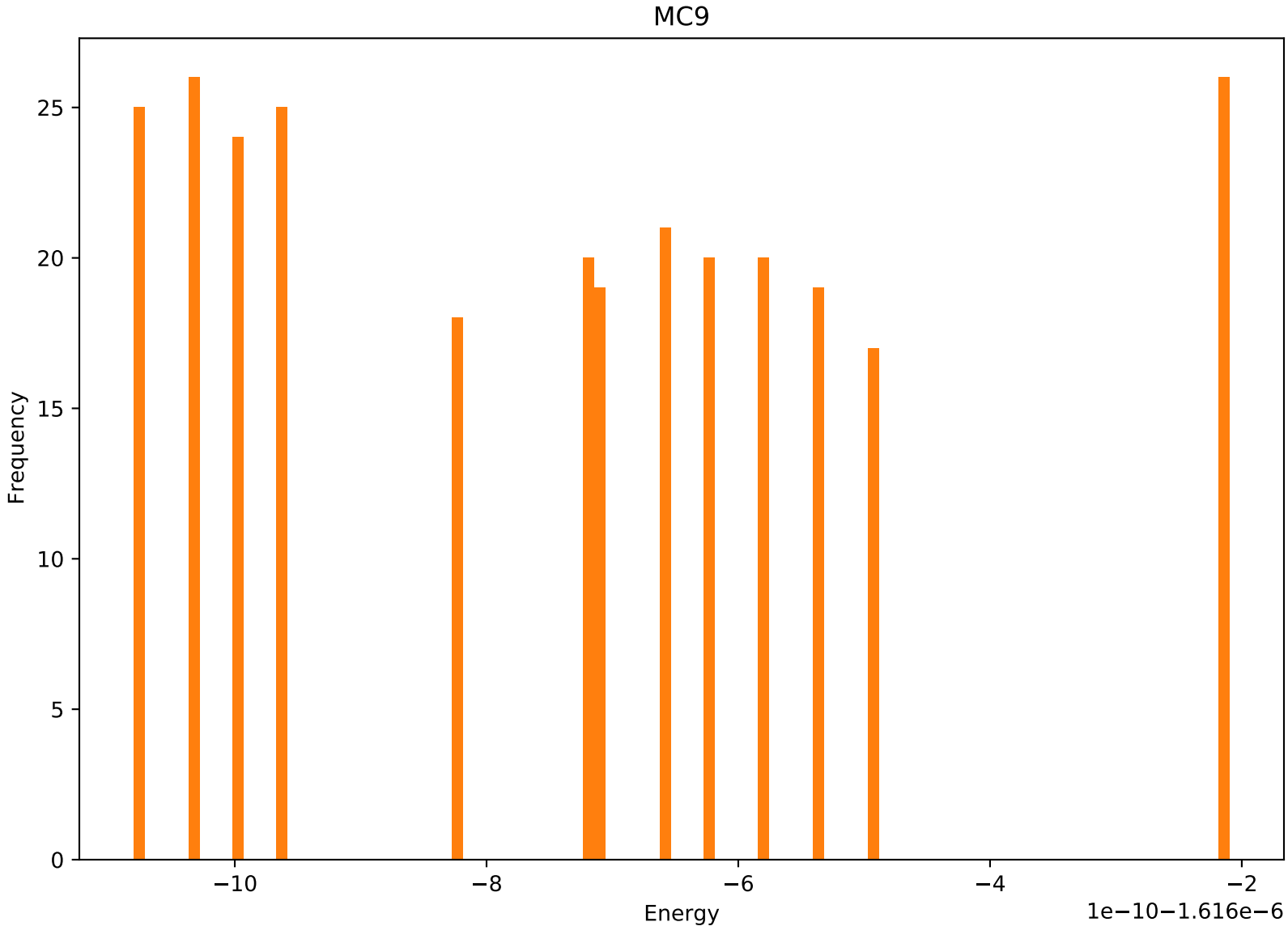

MC4
Frequency
175
150
125
100
75
50
25
0
−3.2
−3.1
−3.0
−2.9
−2.8
−2.7
Energy

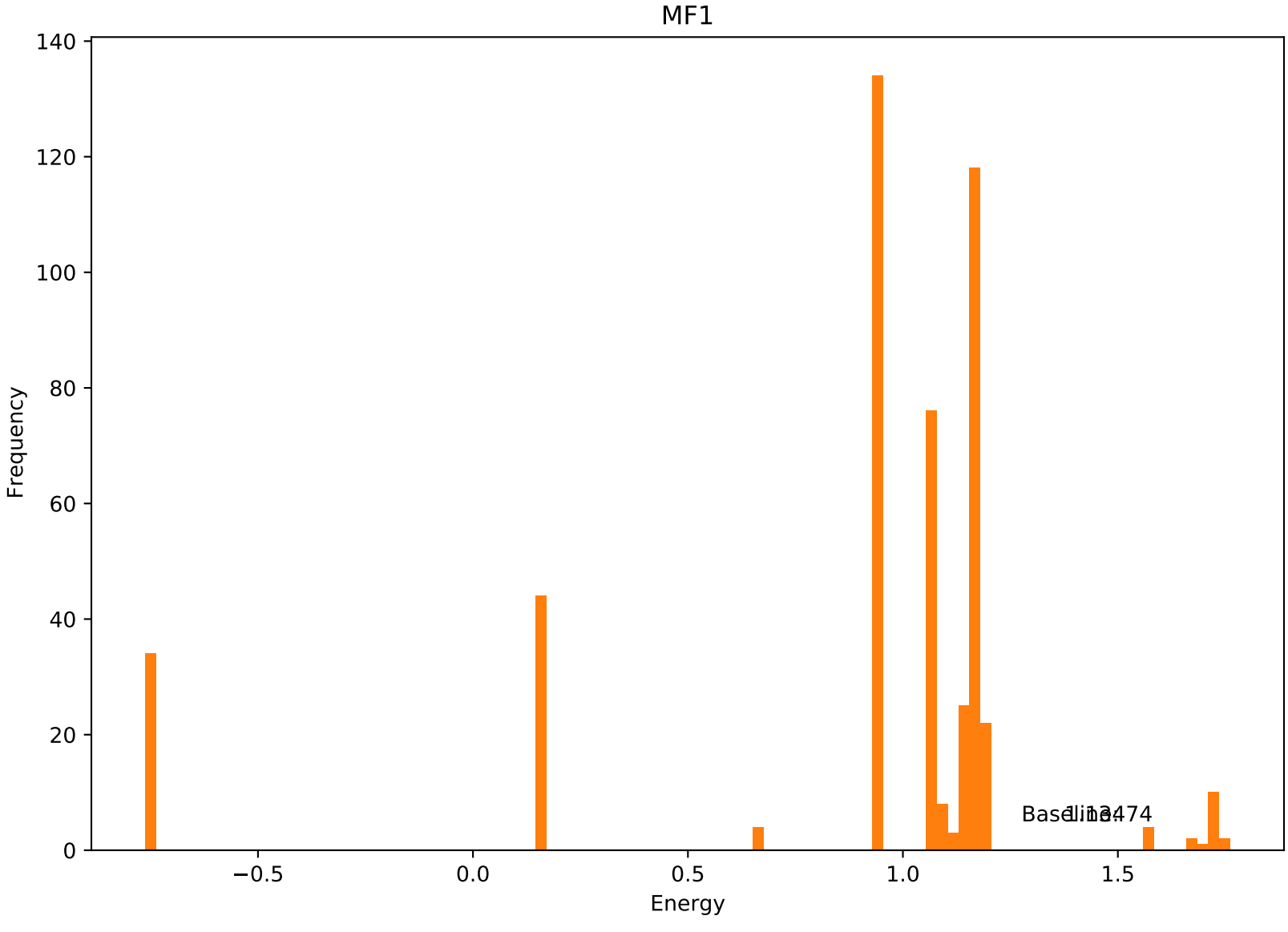

MC5
Frequency
0
20
40
60
80
100
−0.19
−0.18
−0.17
−0.16
Energy

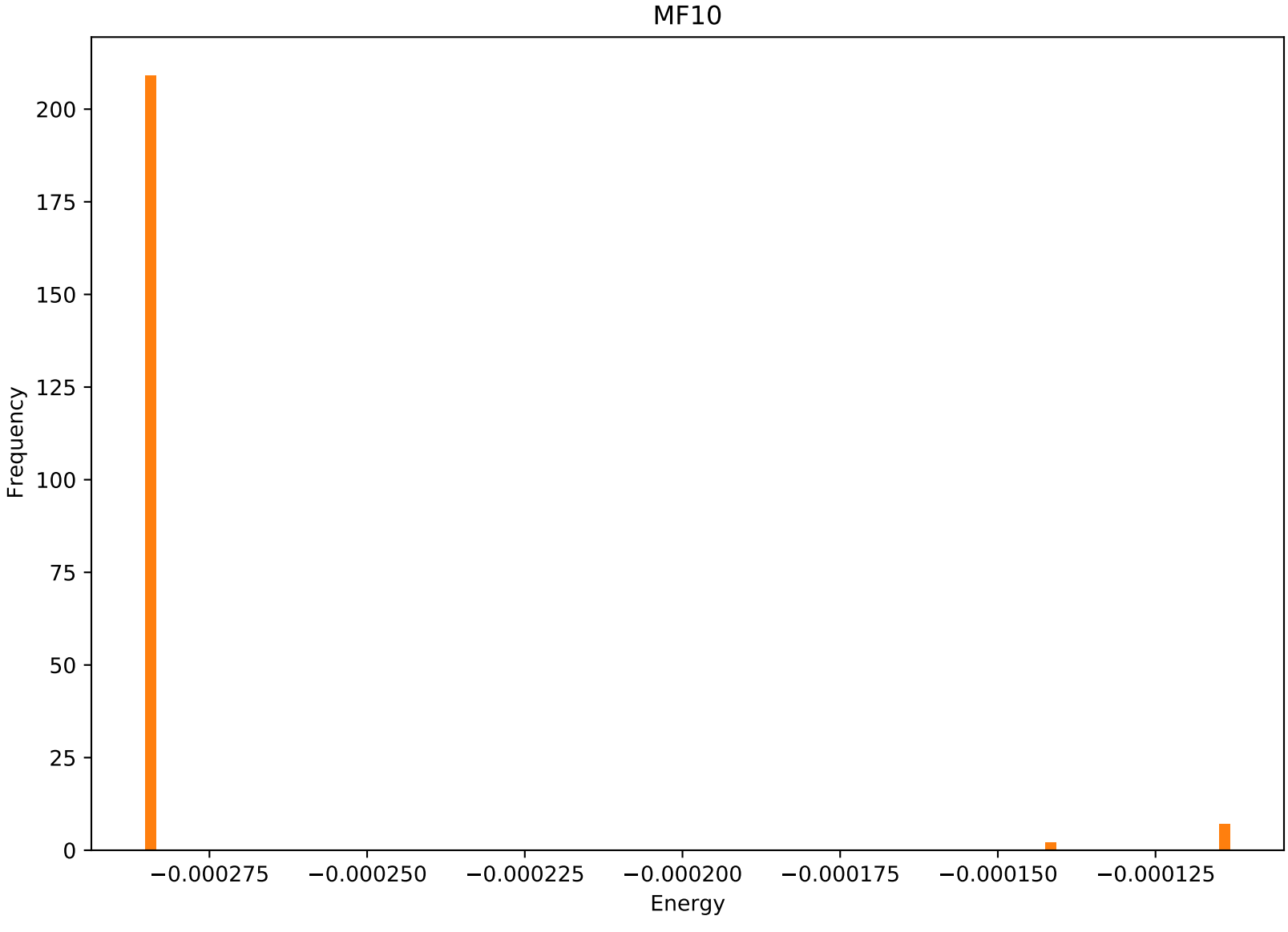

MC6
120
100
80
60
40
20
0
Frequency
−0.054
−0.053
−0.052
−0.051
−0.050
−0.049
−0.048
Energy

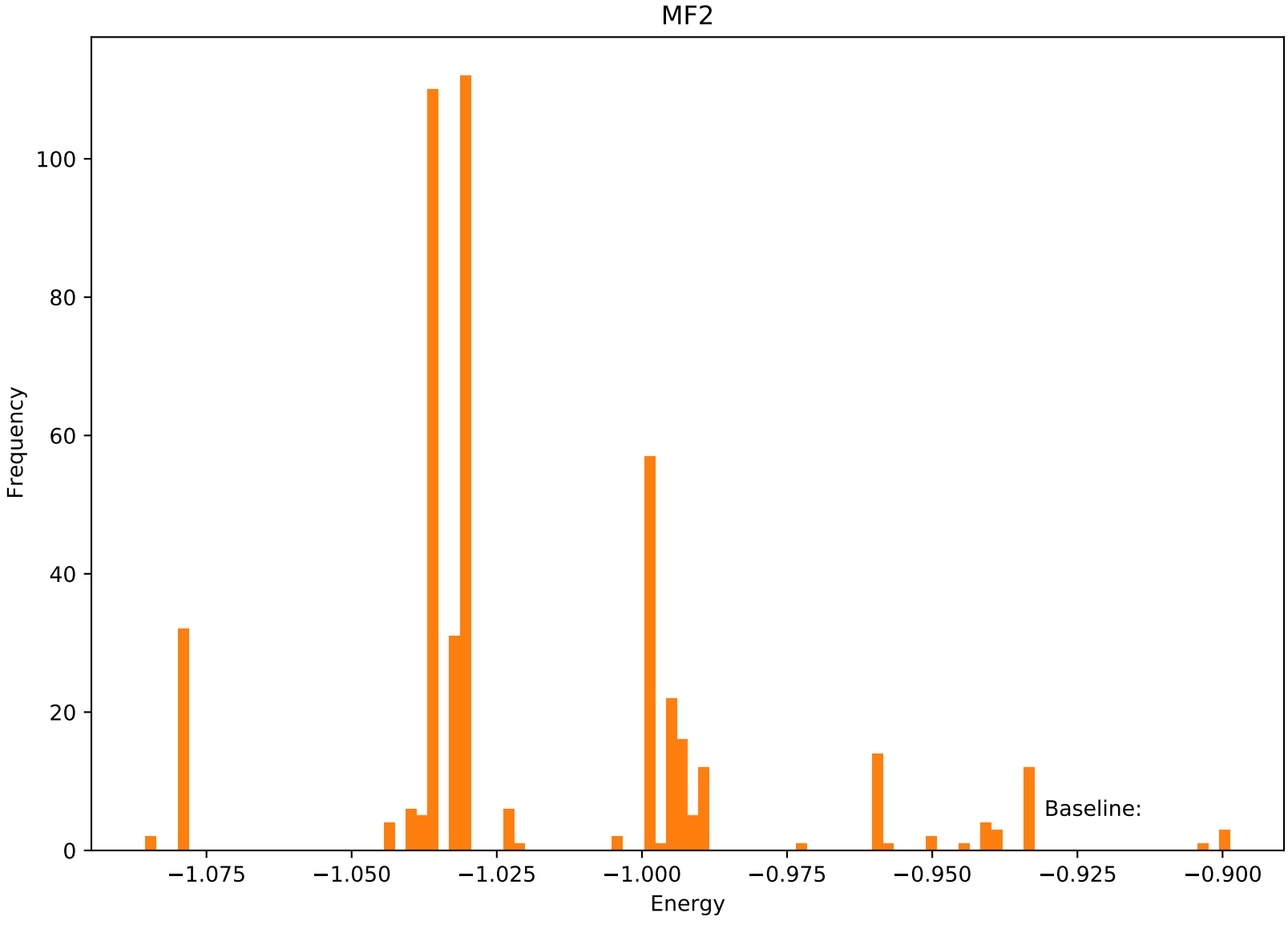

MC7
Frequency
Energy
100
80
60
40
20
0
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040

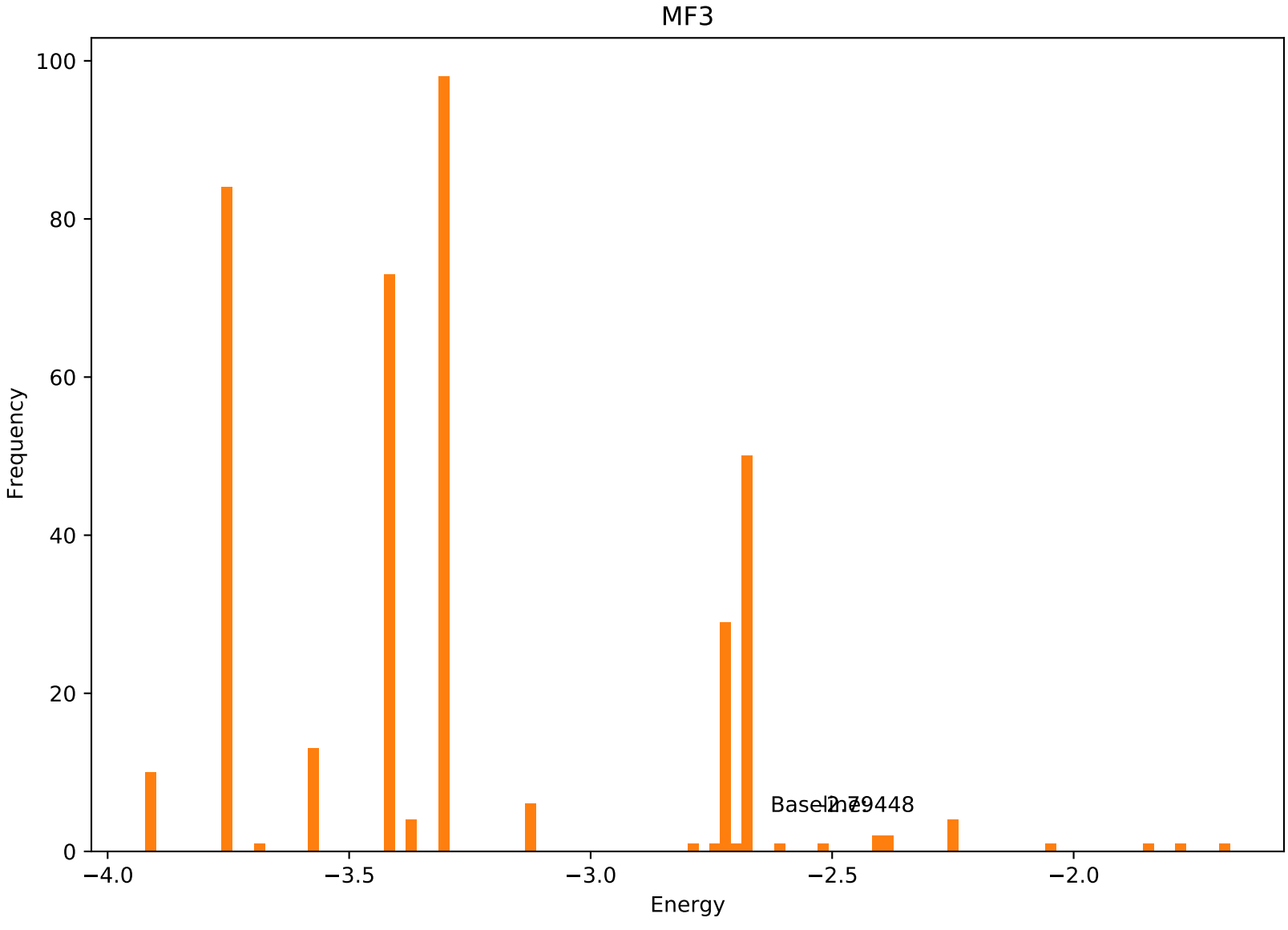

MC8
300
250
200
150
100
50
0
Frequency
−0.009015
−0.009010
−0.009005
−0.009000
−0.008995
Energy

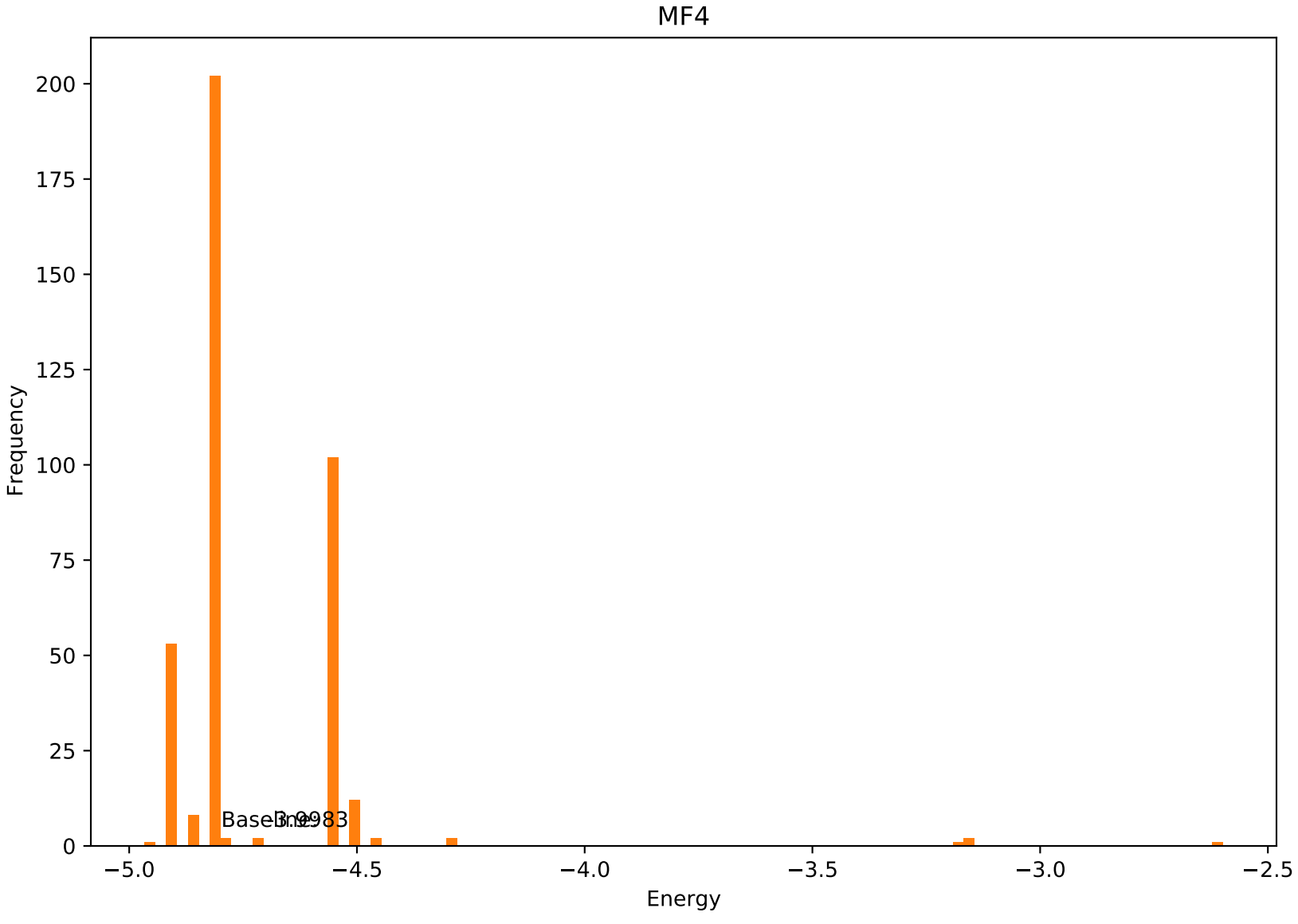

MC9
Frequency
0
5
10
15
20
25
−10
−8
−6
−4
−2
Energy
1e−10−1.616e−6

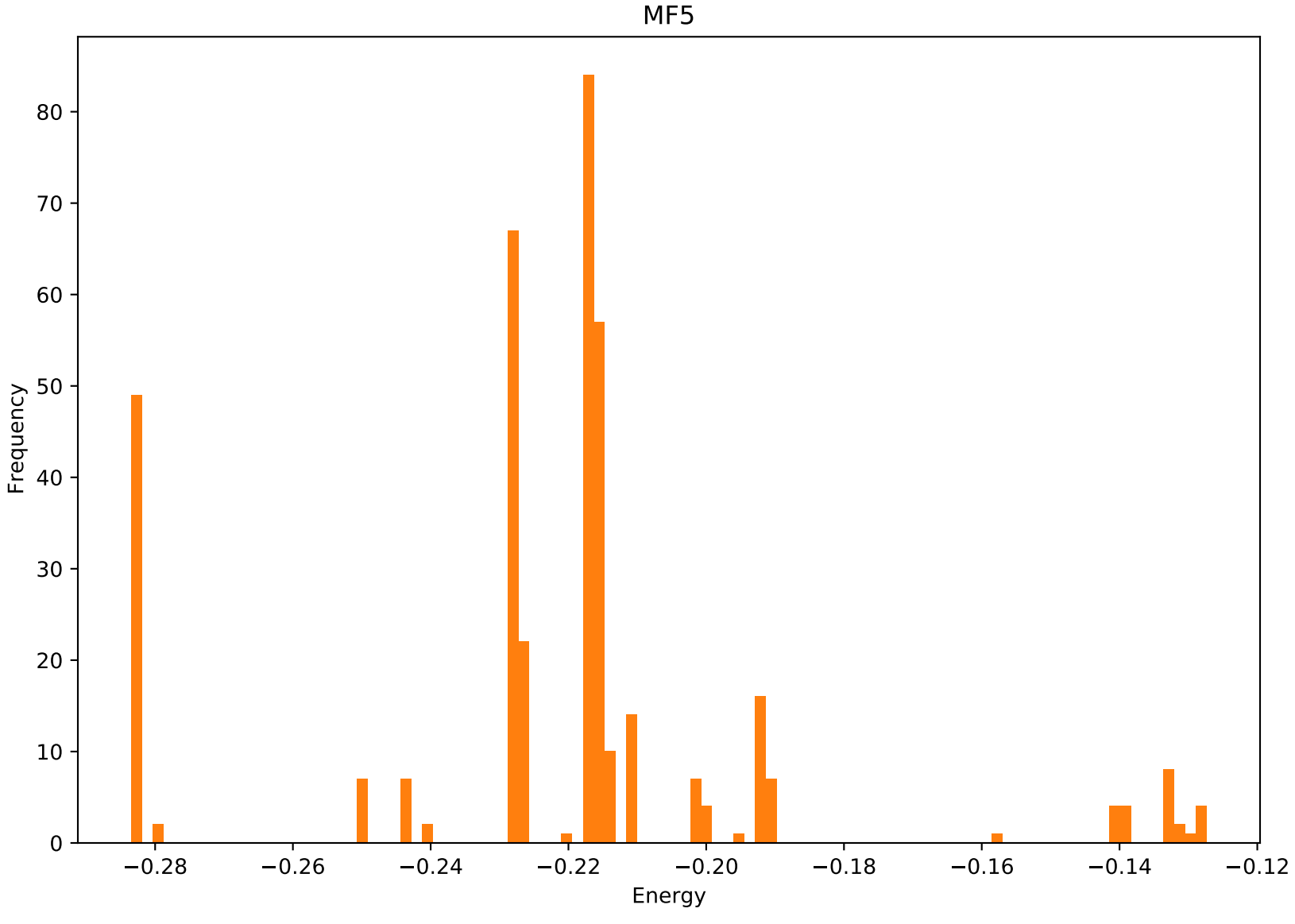

MF1
Frequency
Energy
140
120
100
80
60
40
20
0
−0.5
0.0
0.5
1.0
1.5
Baseline: -1.3474

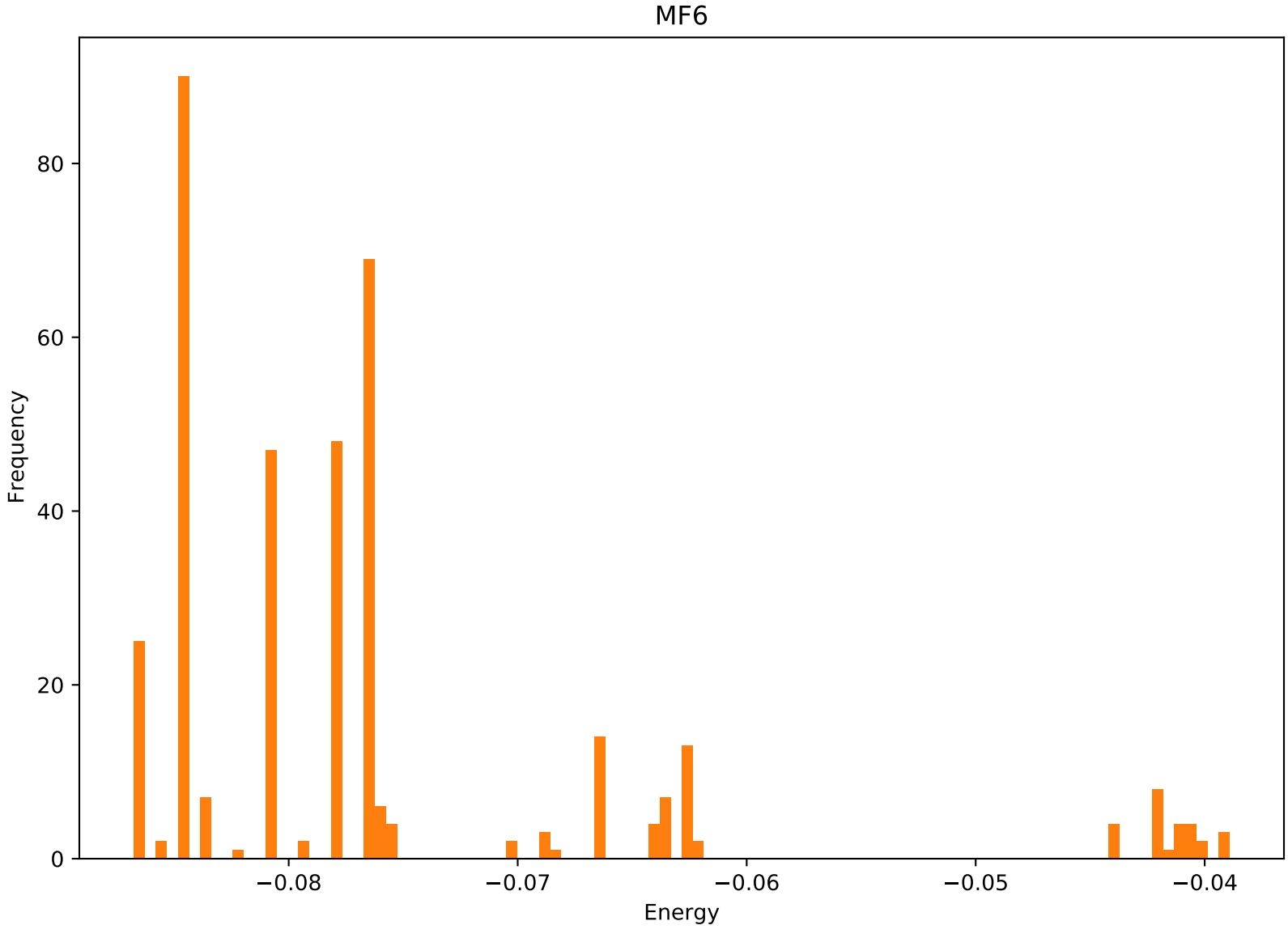

MF10
Frequency
200
175
150
125
100
75
50
25
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

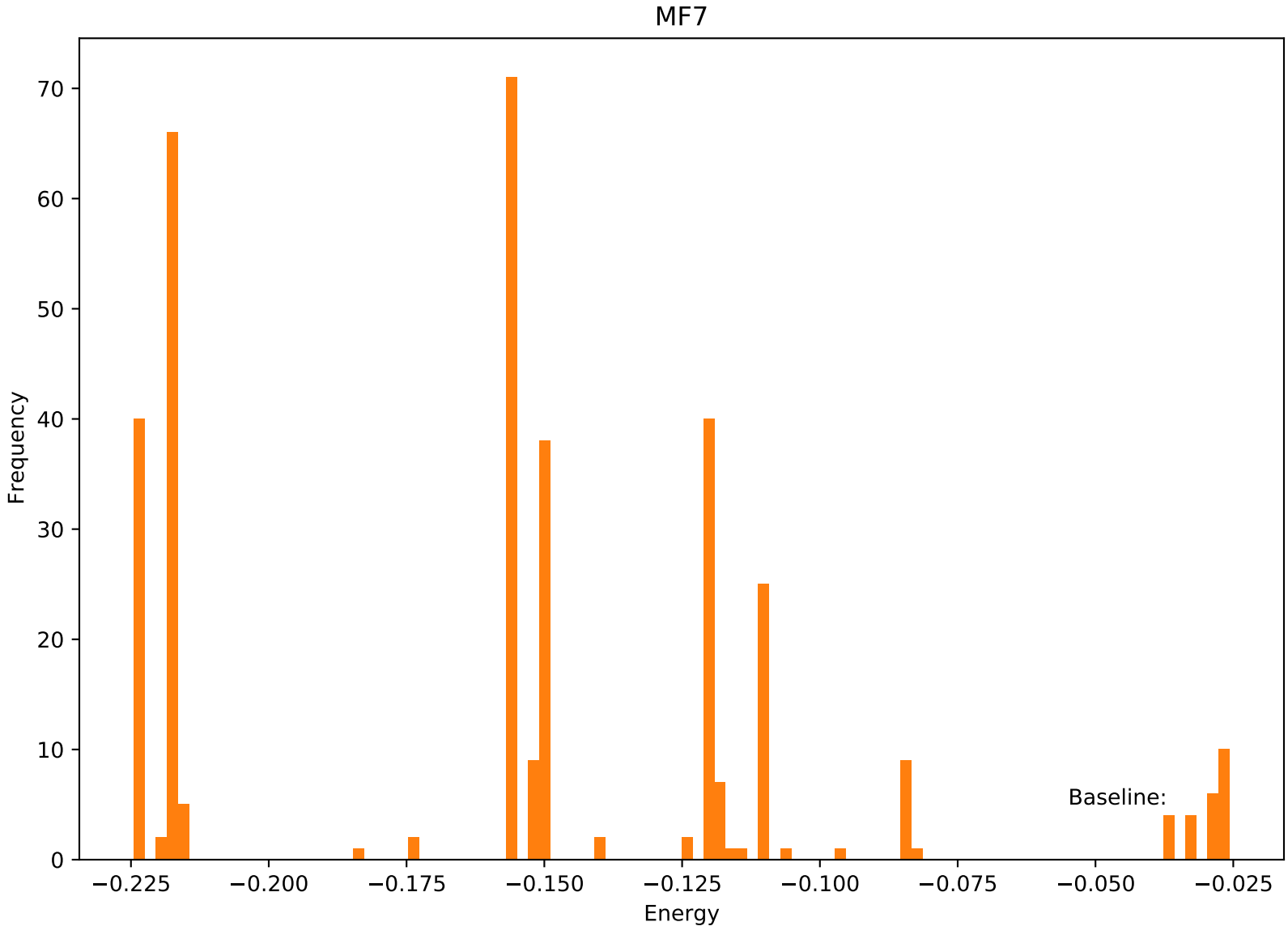

MF2
Frequency
Energy
Baseline:
0
20
40
60
80
100
−1.075
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900

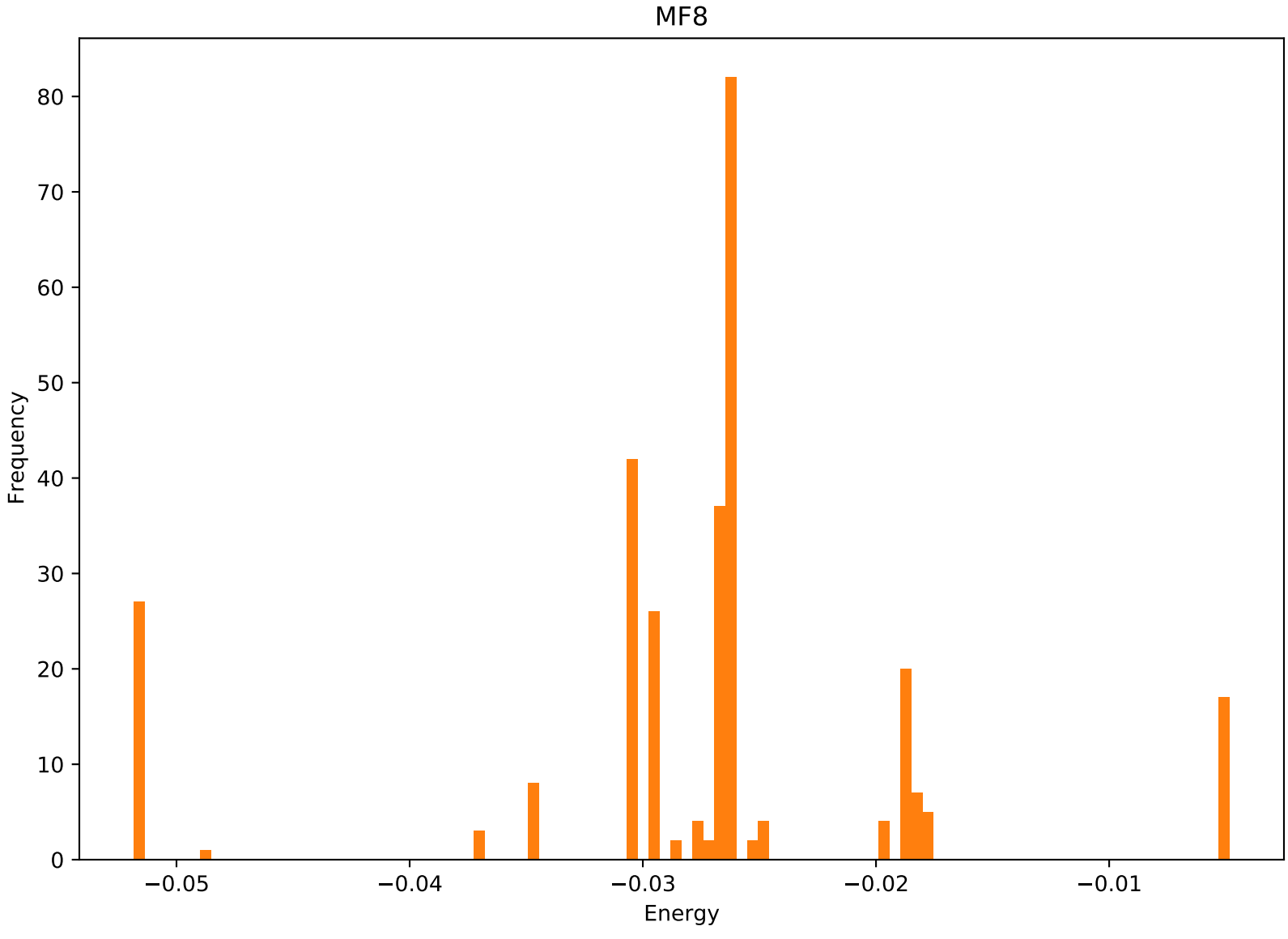

MF3
Frequency
Energy
100
80
60
40
20
0
−4.0
−3.5
−3.0
−2.5
−2.0
Baseline: -2.79448

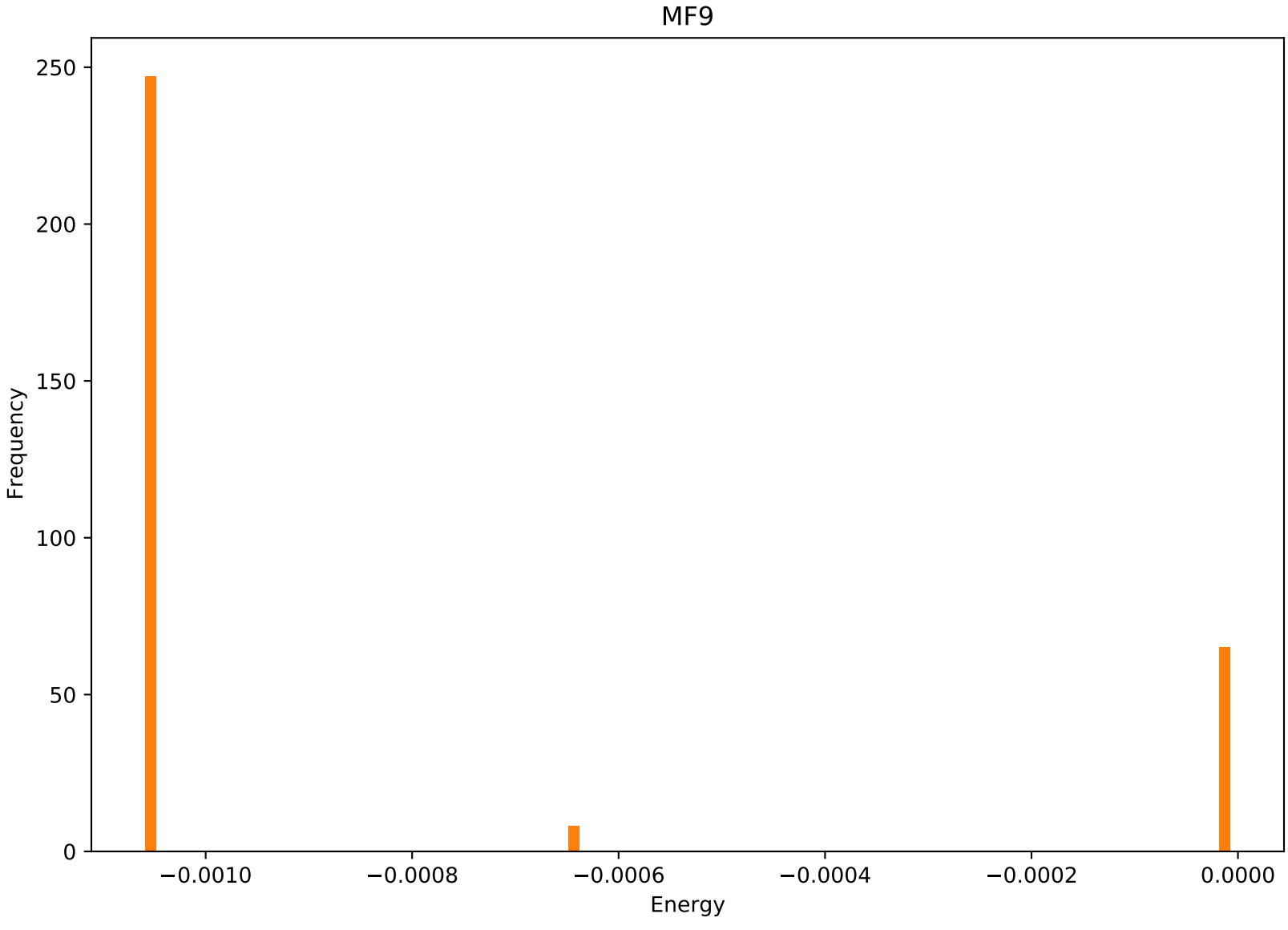

MF4
Frequency
Energy
200
175
150
125
100
75
50
25
0
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5

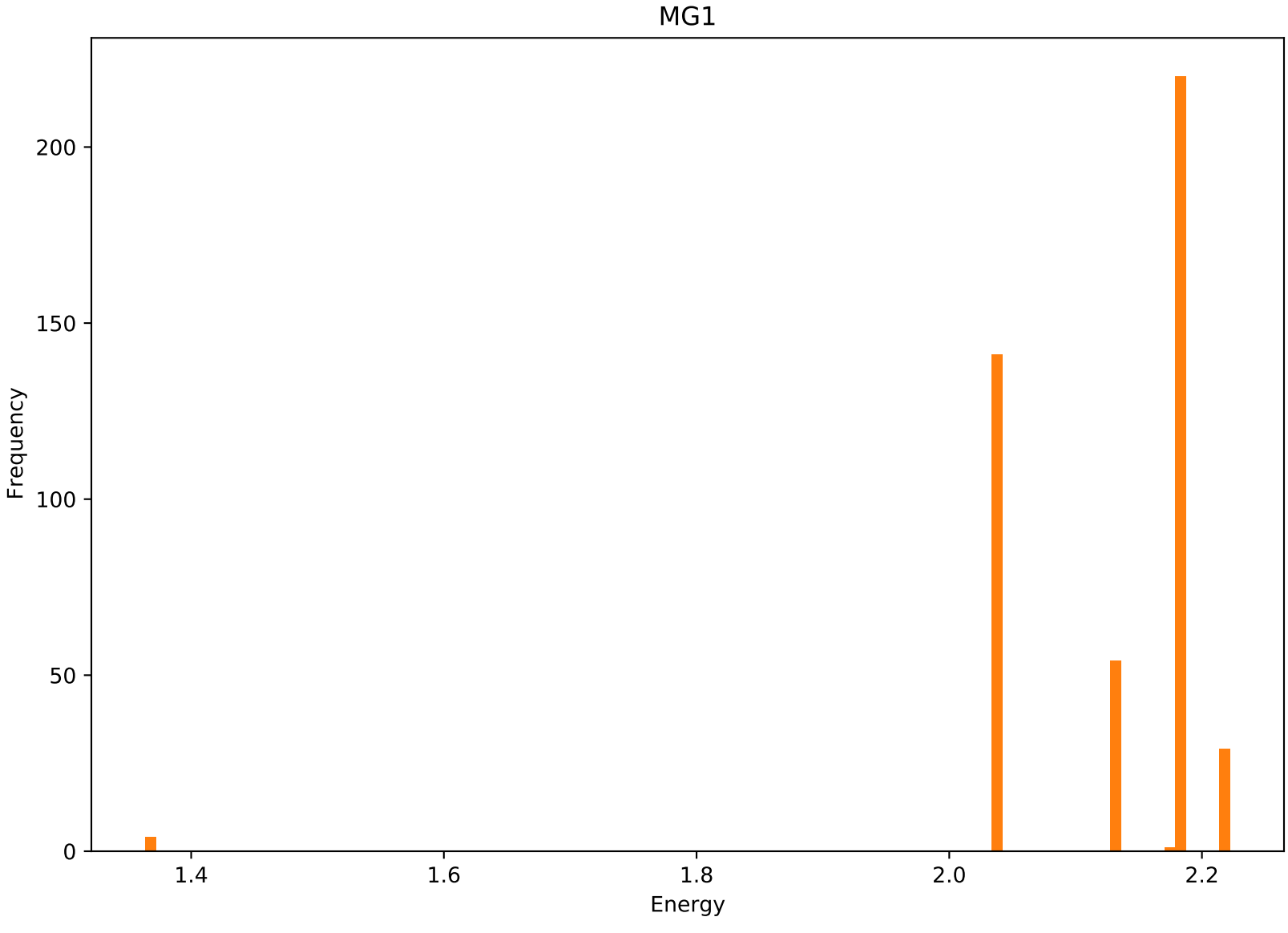

MF5
Frequency
Energy
0
10
20
30
40
50
60
70
80
−0.28
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
−0.12

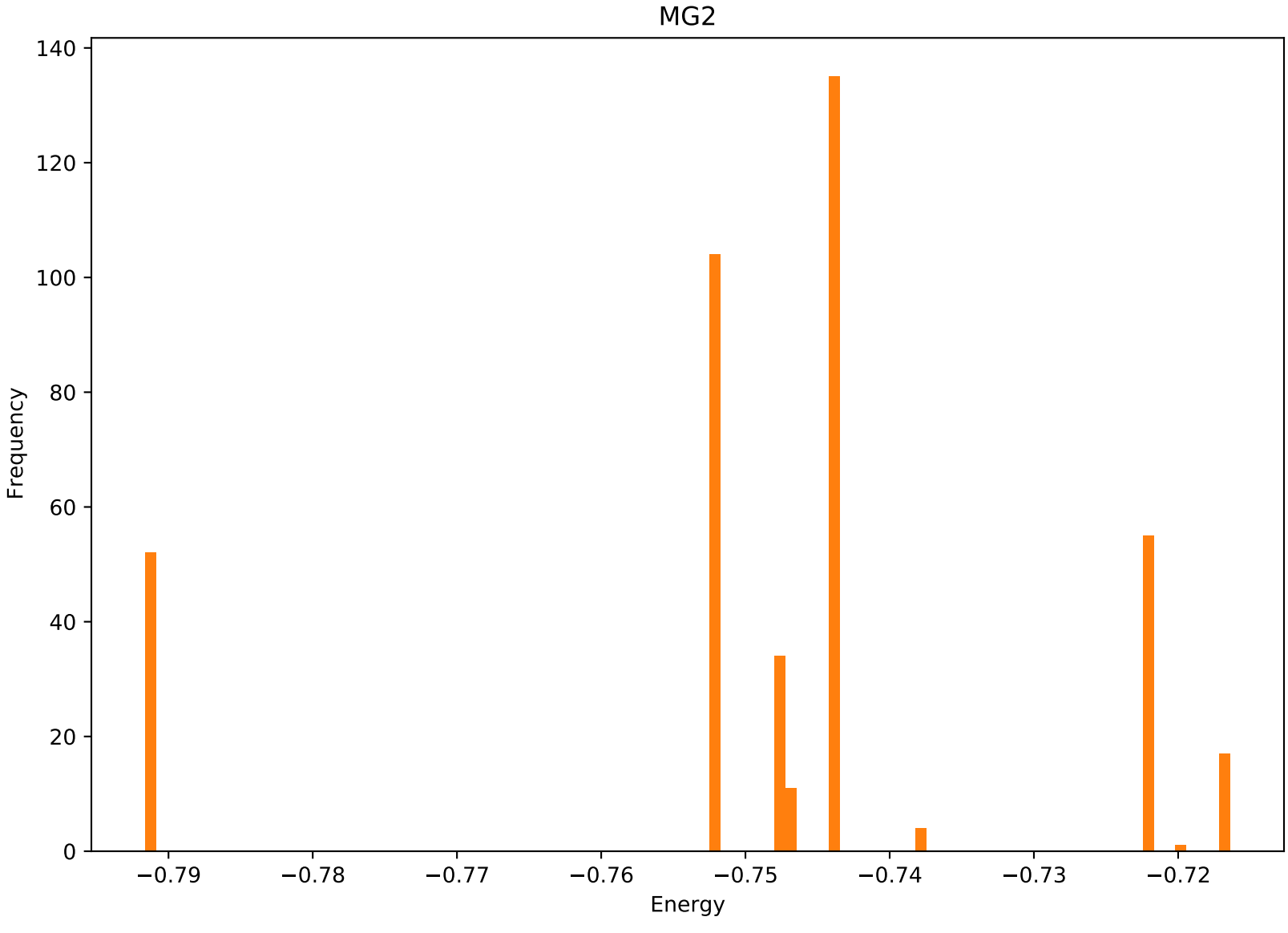

MF6
Frequency
0
20
40
60
80
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

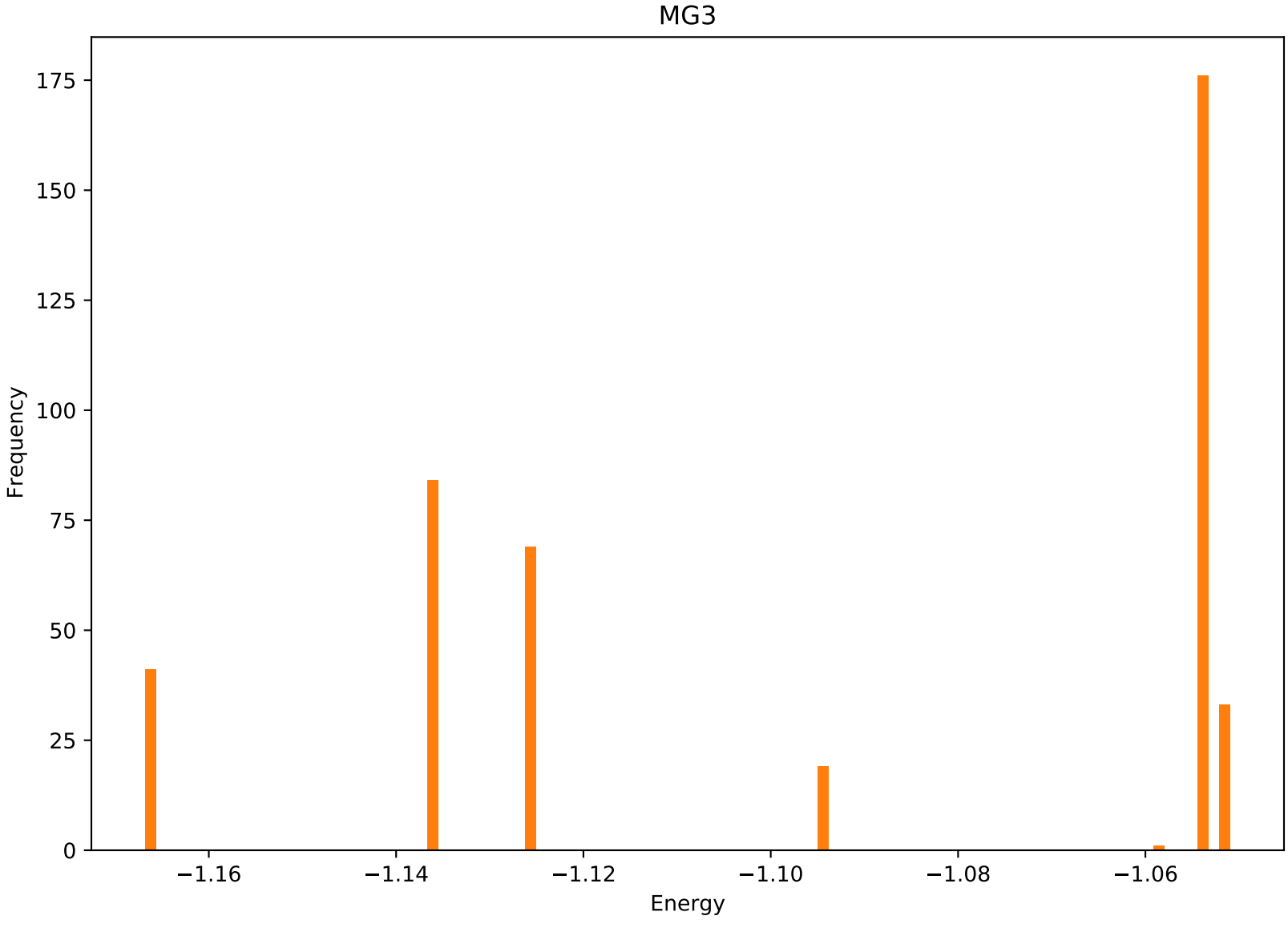

MF7
Frequency
Energy
Baseline:
0
10
20
30
40
50
60
70
−0.225
−0.200
−0.175
−0.150
−0.125
−0.100
−0.075
−0.050
−0.025

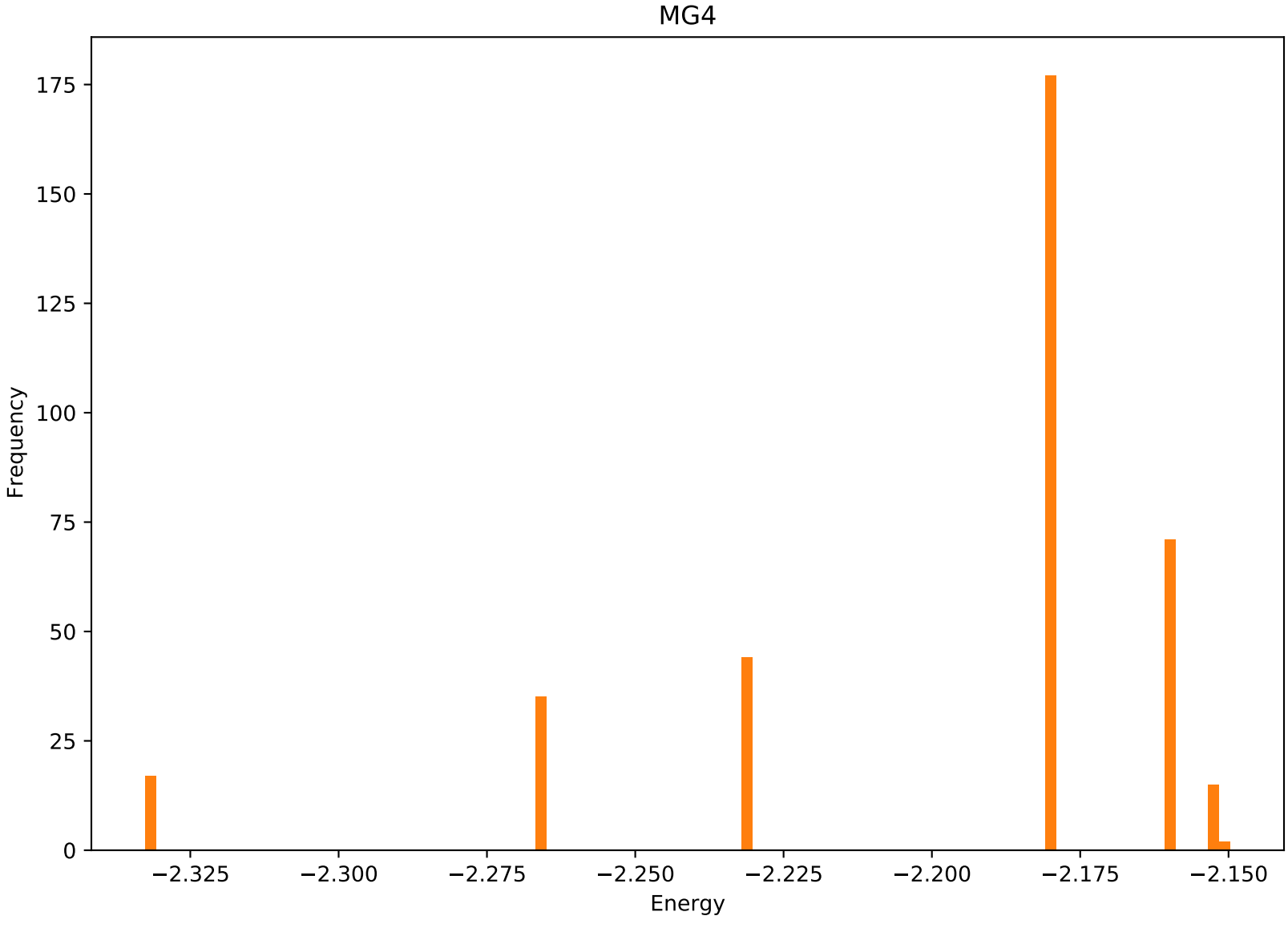

MF8
Frequency
Energy
0
10
20
30
40
50
60
70
80
−0.05
−0.04
−0.03
−0.02
−0.01

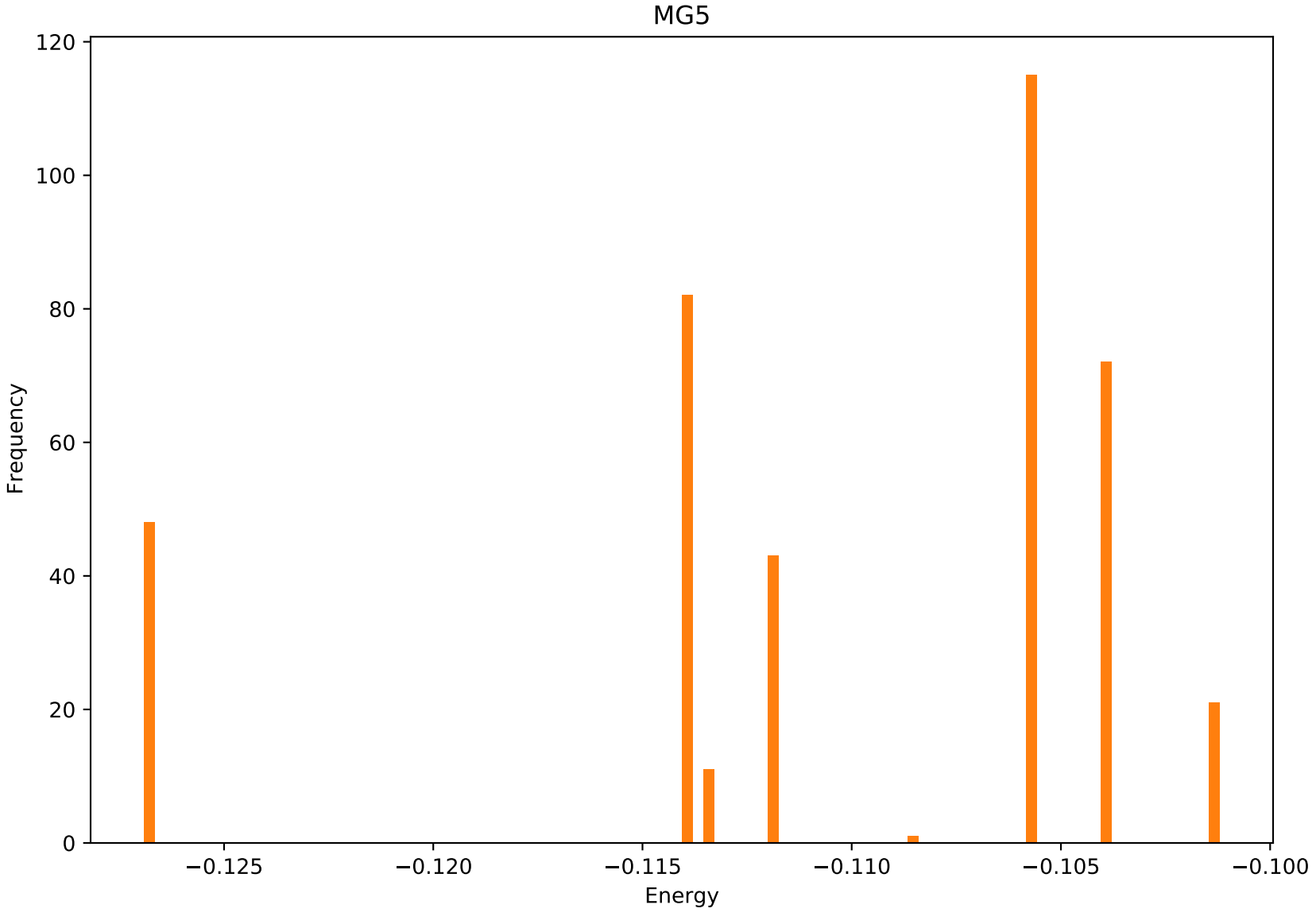

MF9
250
200
150
100
50
0
Frequency
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

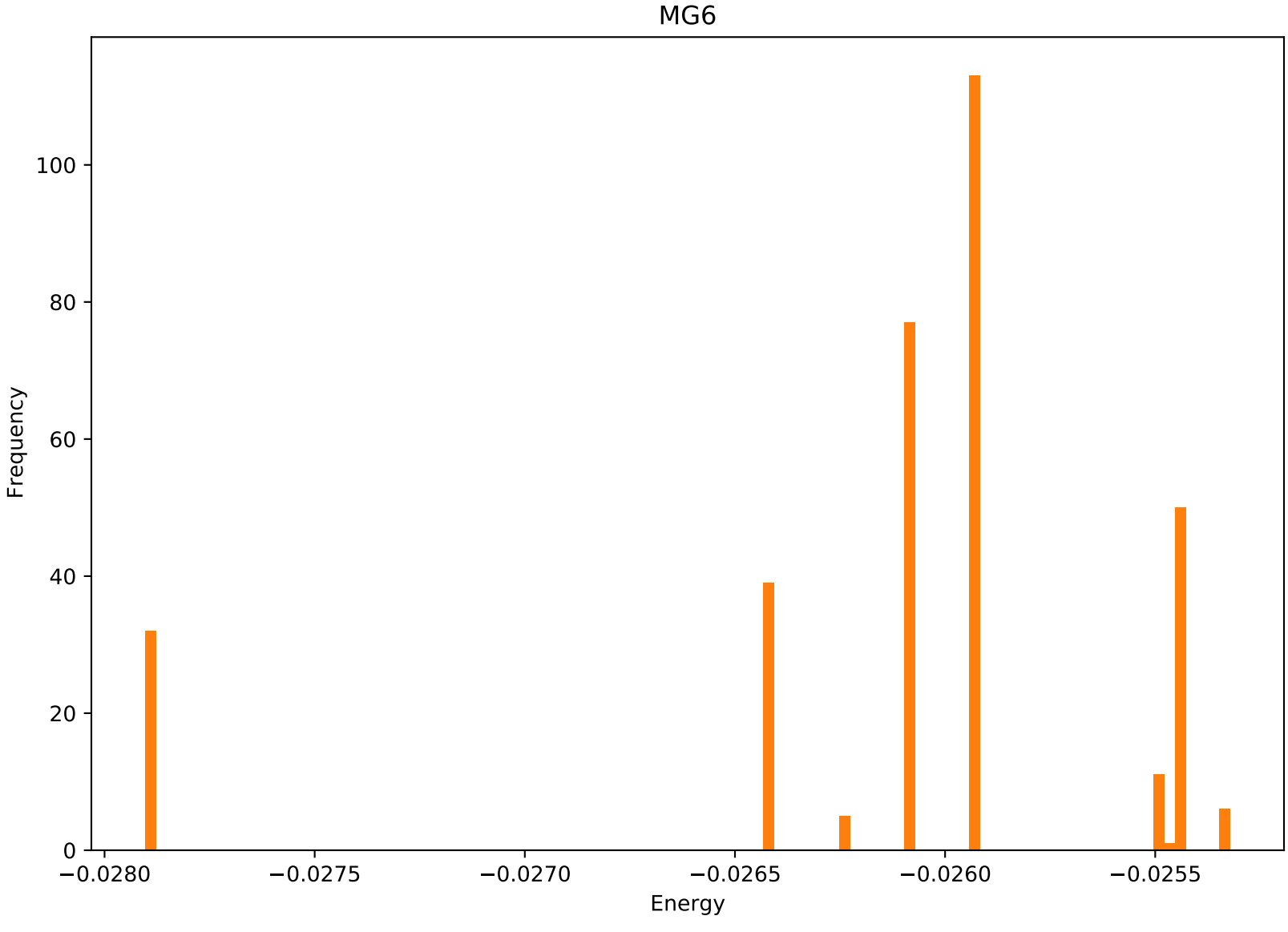

MG1
Frequency
0
50
100
150
200
1.4
1.6
1.8
2.0
2.2
Energy

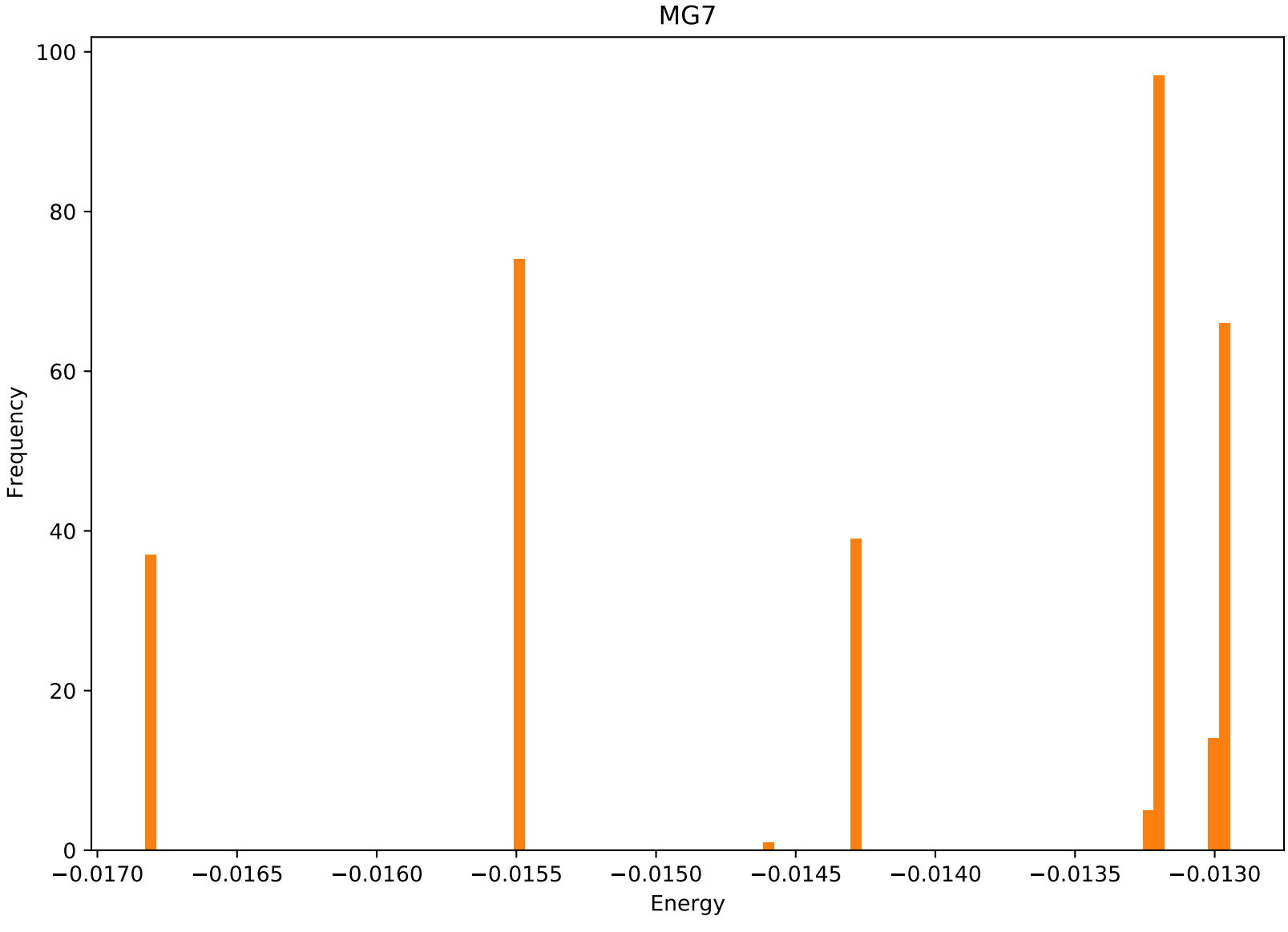

MG2
Frequency
Energy
140
120
100
80
60
40
20
0
−0.79
−0.78
−0.77
−0.76
−0.75
−0.74
−0.73
−0.72

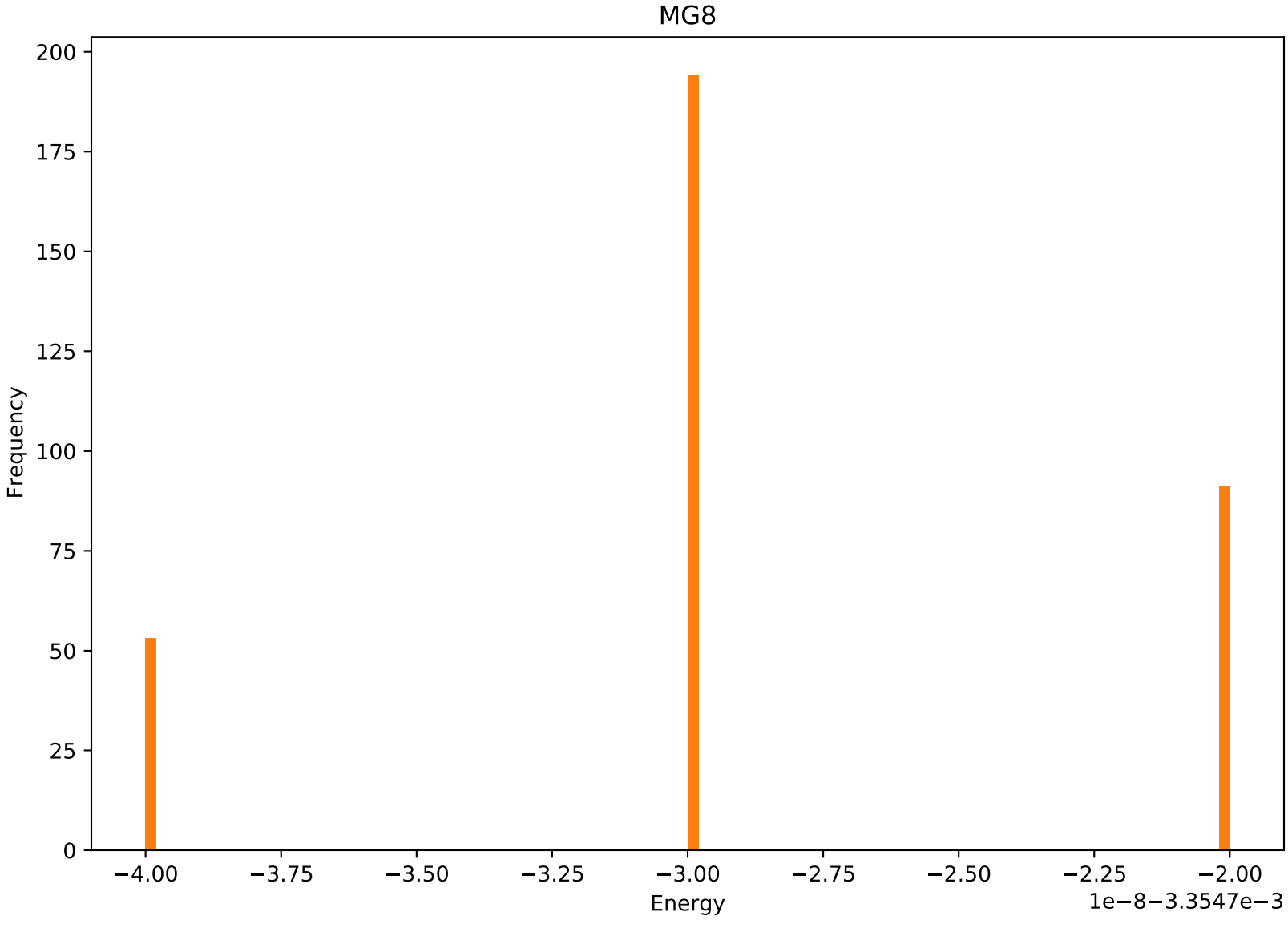

MG3
Frequency
Energy
0
25
50
75
100
125
150
175
−1.16
−1.14
−1.12
−1.10
−1.08
−1.06

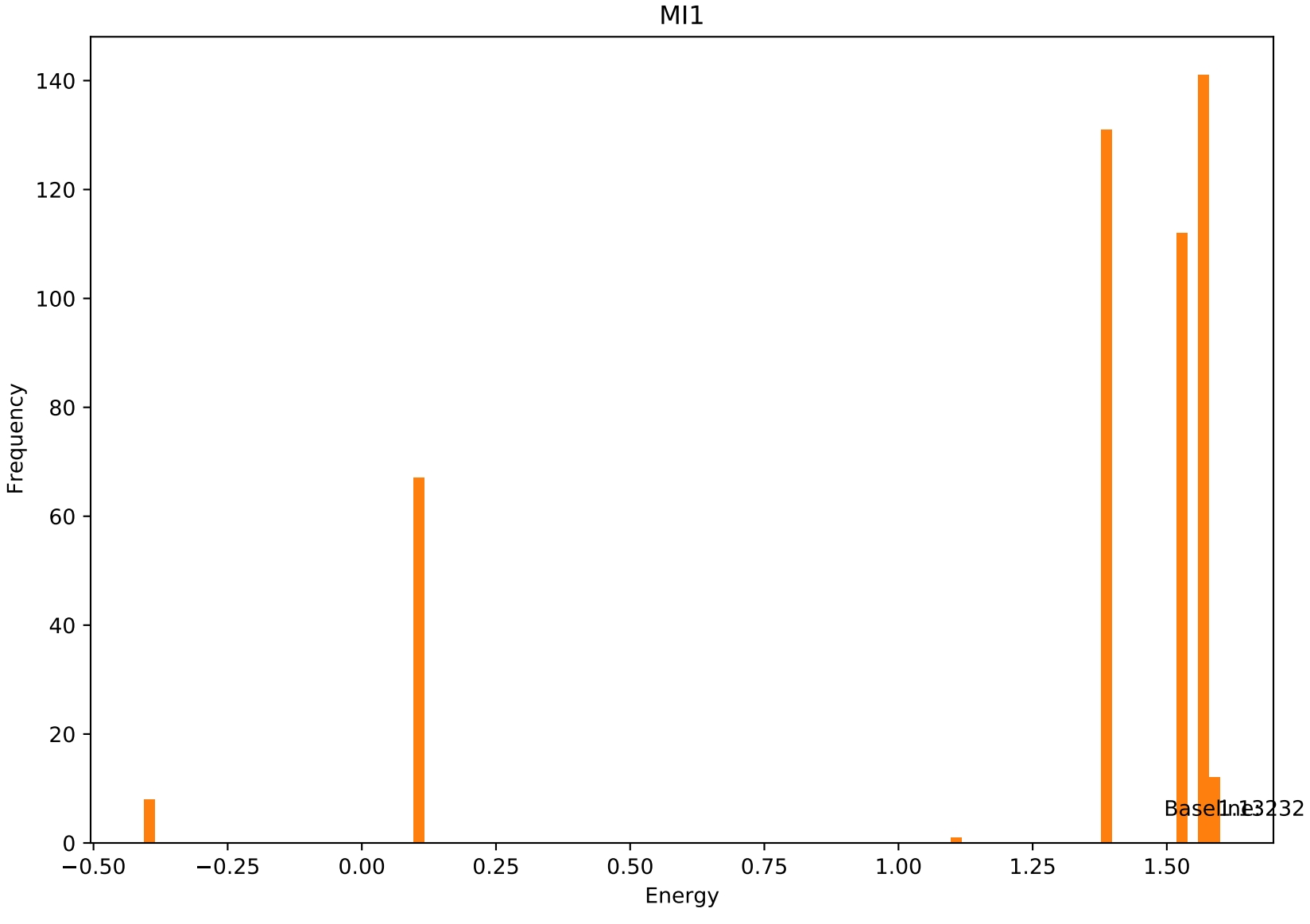

MG4
Frequency
Energy
0
25
50
75
100
125
150
175
−2.325
−2.300
−2.275
−2.250
−2.225
−2.200
−2.175
−2.150

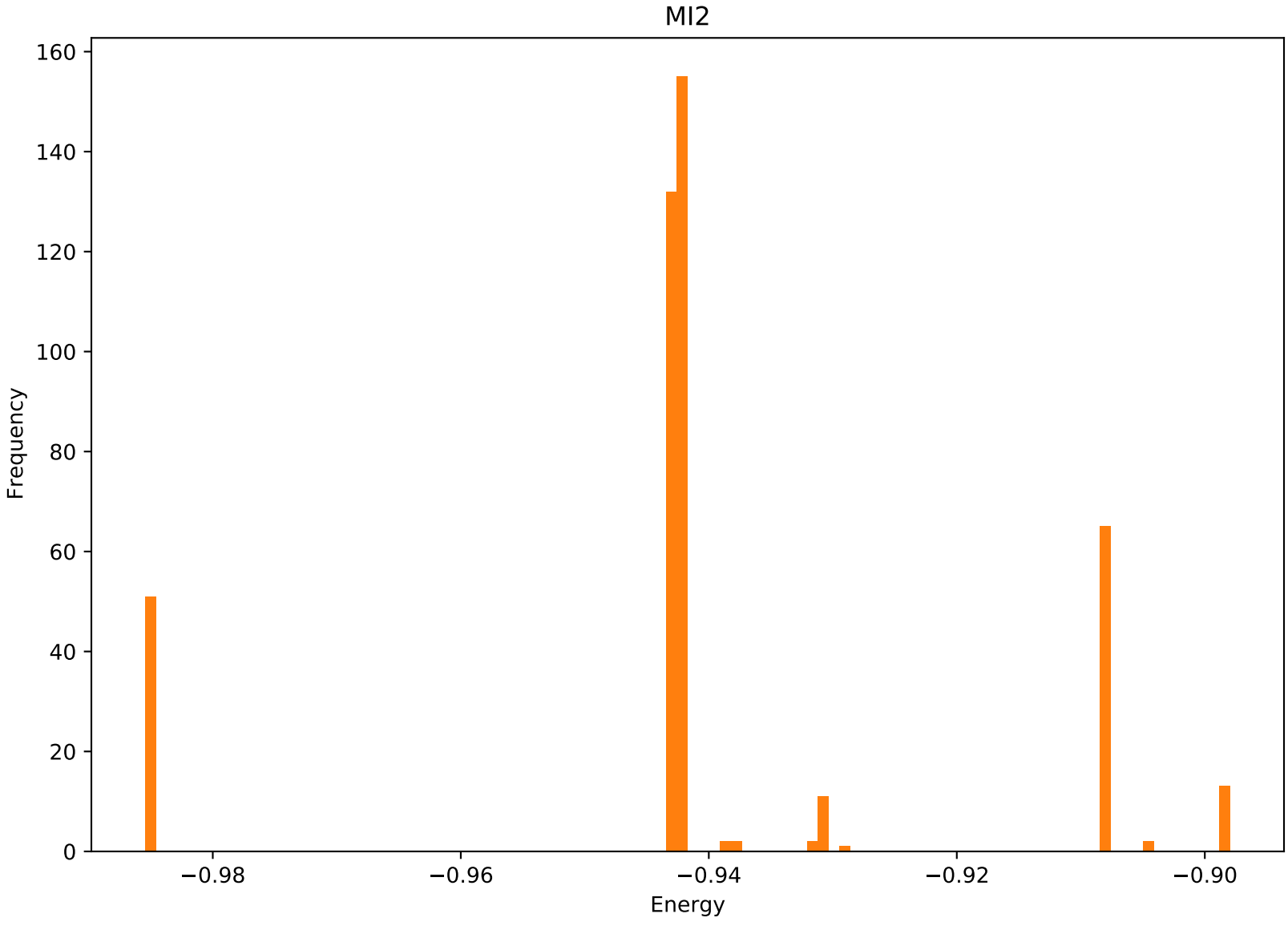

MG5
120
100
80
60
40
20
0
Frequency
−0.125
−0.120
−0.115
−0.110
−0.105
−0.100
Energy

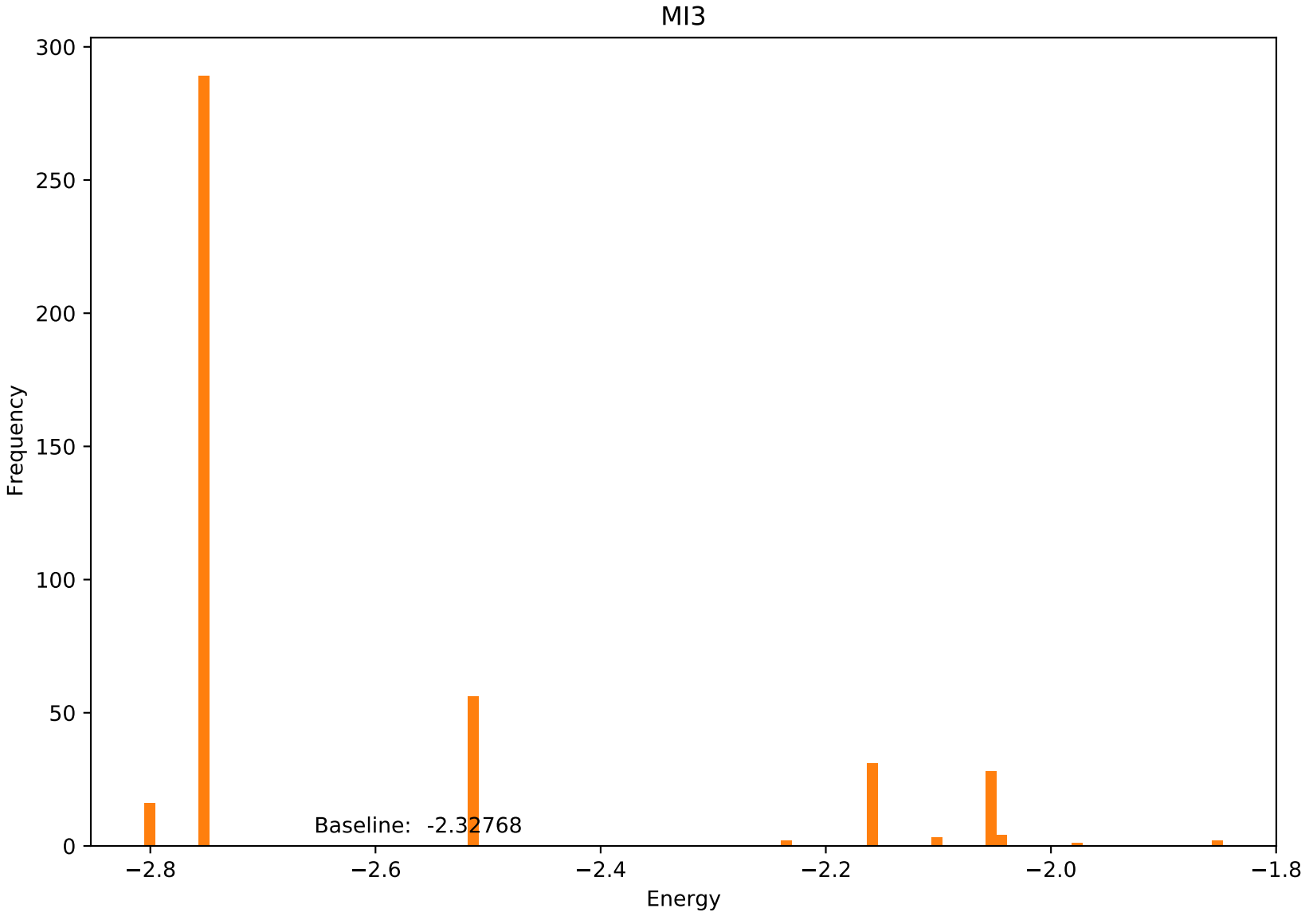

MG6
Frequency
Energy
0
20
40
60
80
100
−0.0280
−0.0275
−0.0270
−0.0265
−0.0260
−0.0255

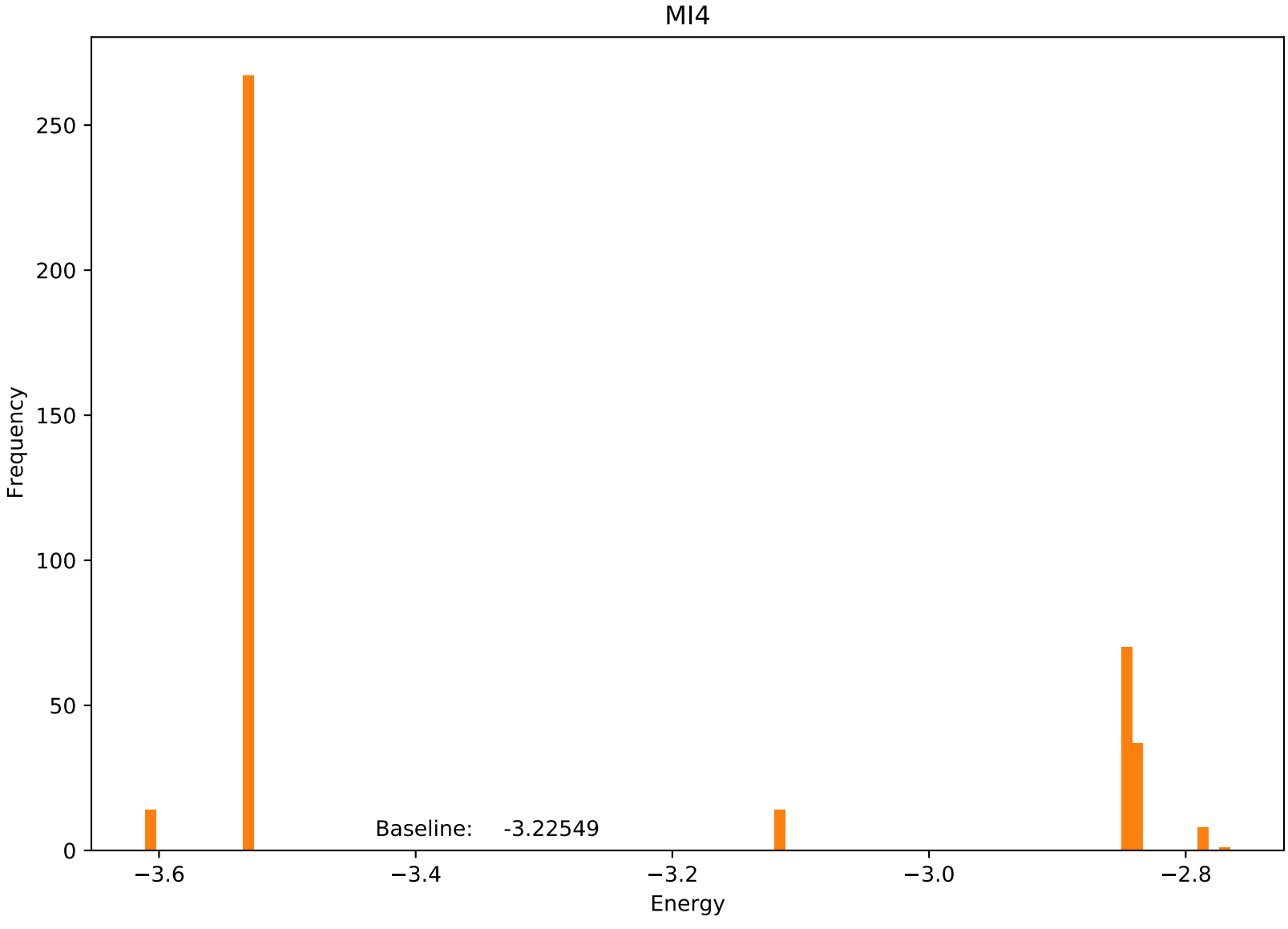

MG7
Frequency
Energy
100
80
60
40
20
0
−0.0170
−0.0165
−0.0160
−0.0155
−0.0150
−0.0145
−0.0140
−0.0135
−0.0130

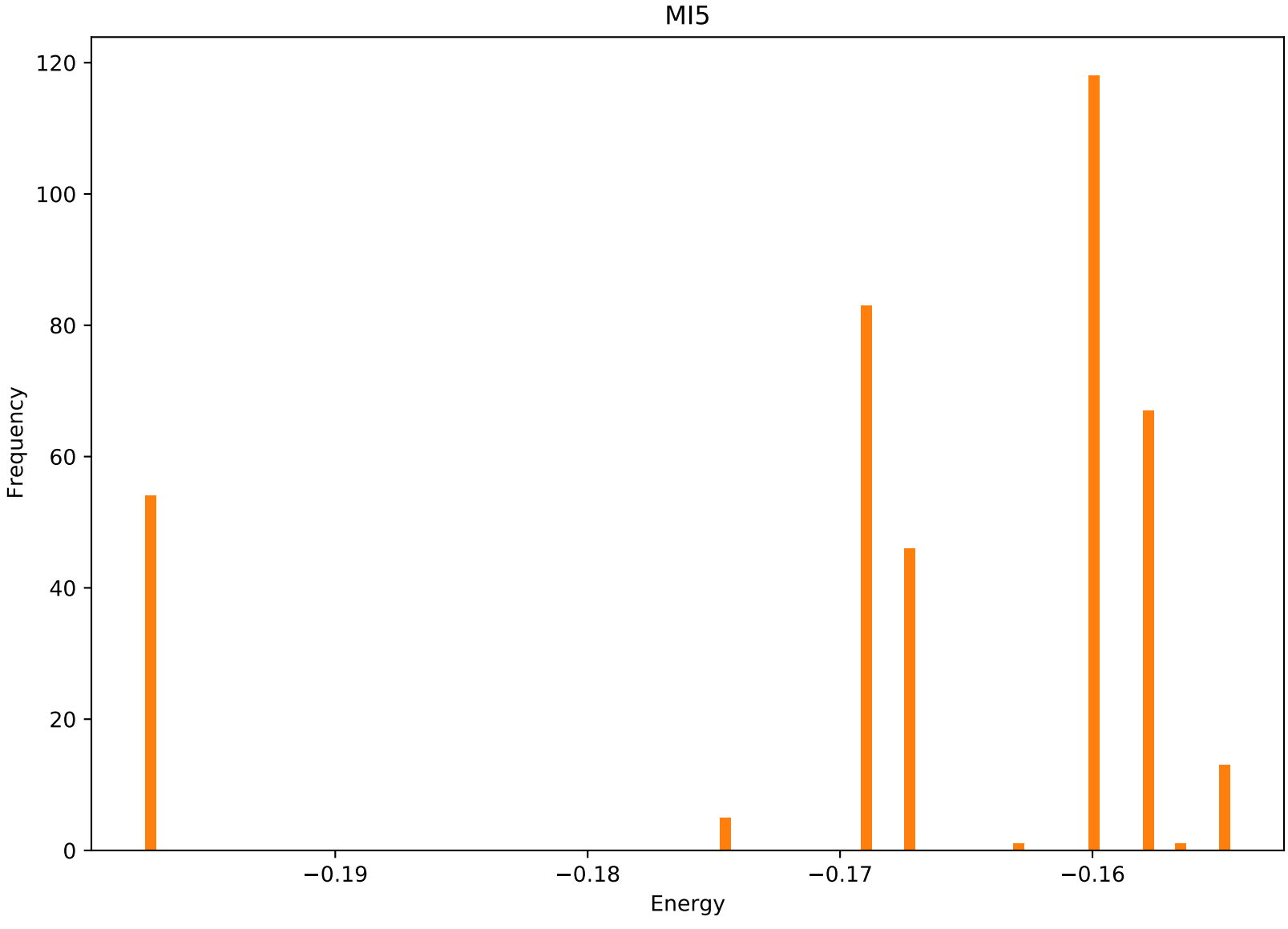

MG8
200
175
150
125
100
75
50
25
0
Frequency
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
Energy
1e−8−3.3547e−3

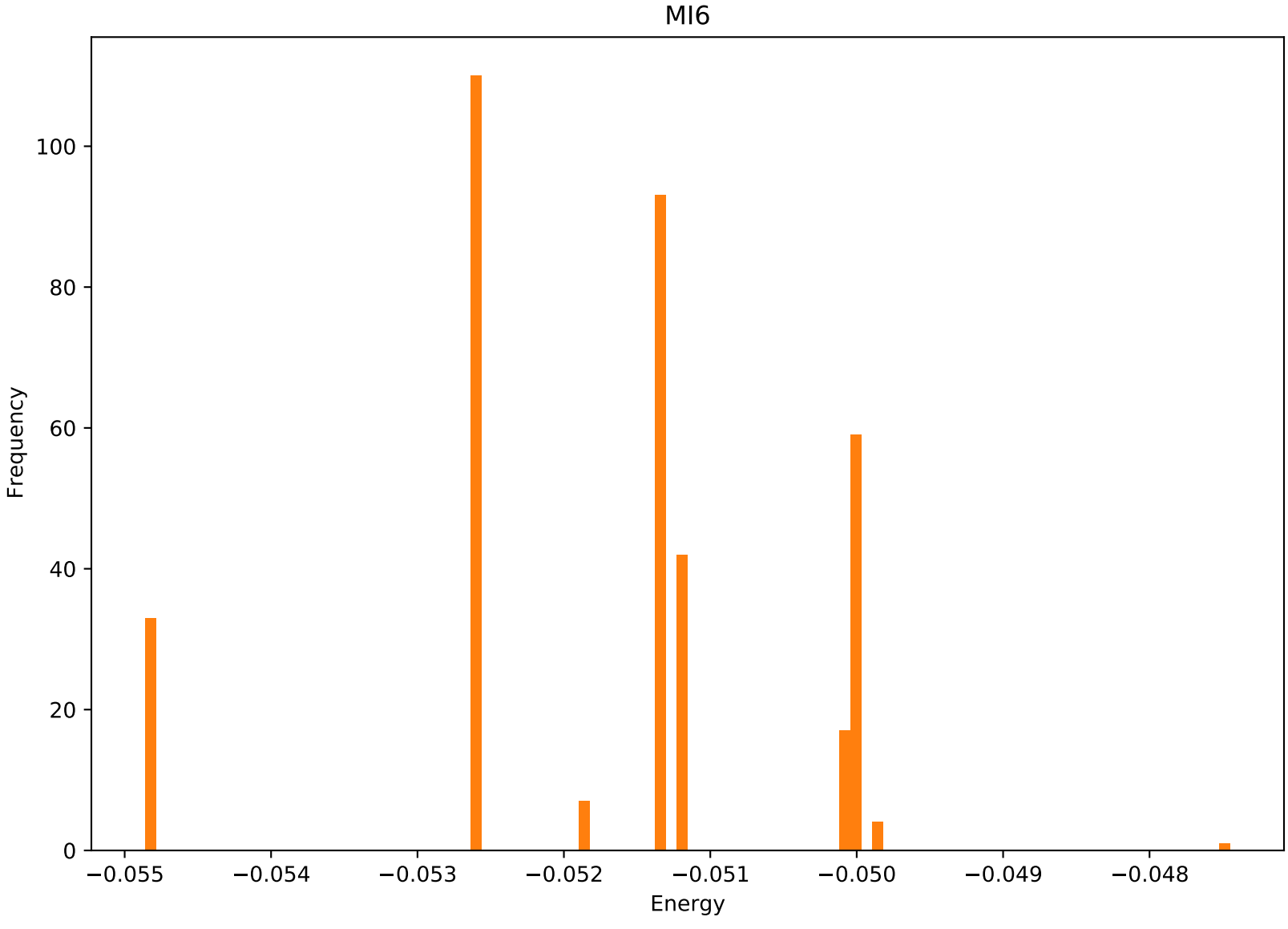

MI1
Frequency
Energy
140
120
100
80
60
40
20
0
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00
1.25
1.50
Baseline: 1.23232

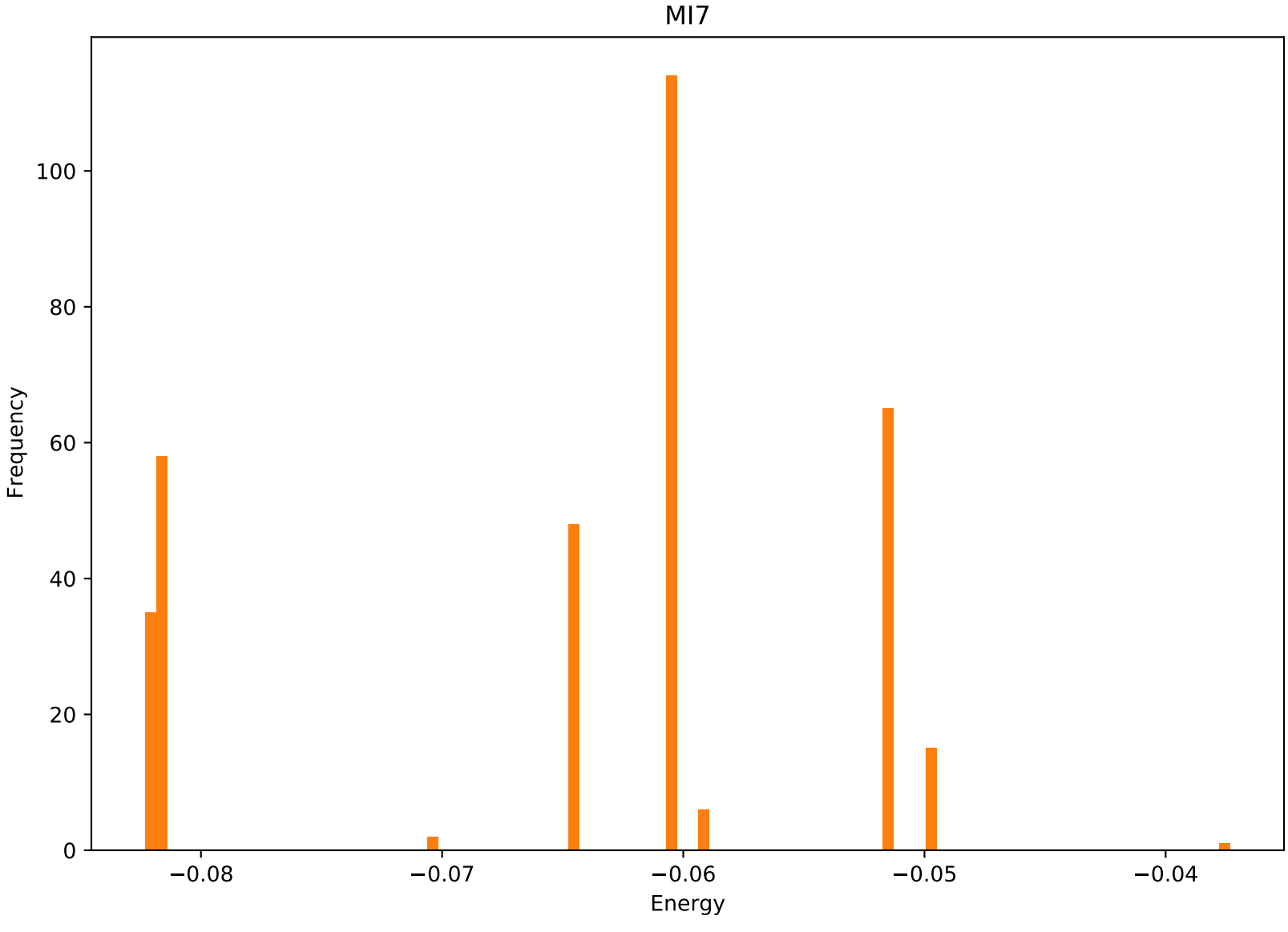

MI2
Frequency
Energy
160
140
120
100
80
60
40
20
0
−0.98
−0.96
−0.94
−0.92
−0.90

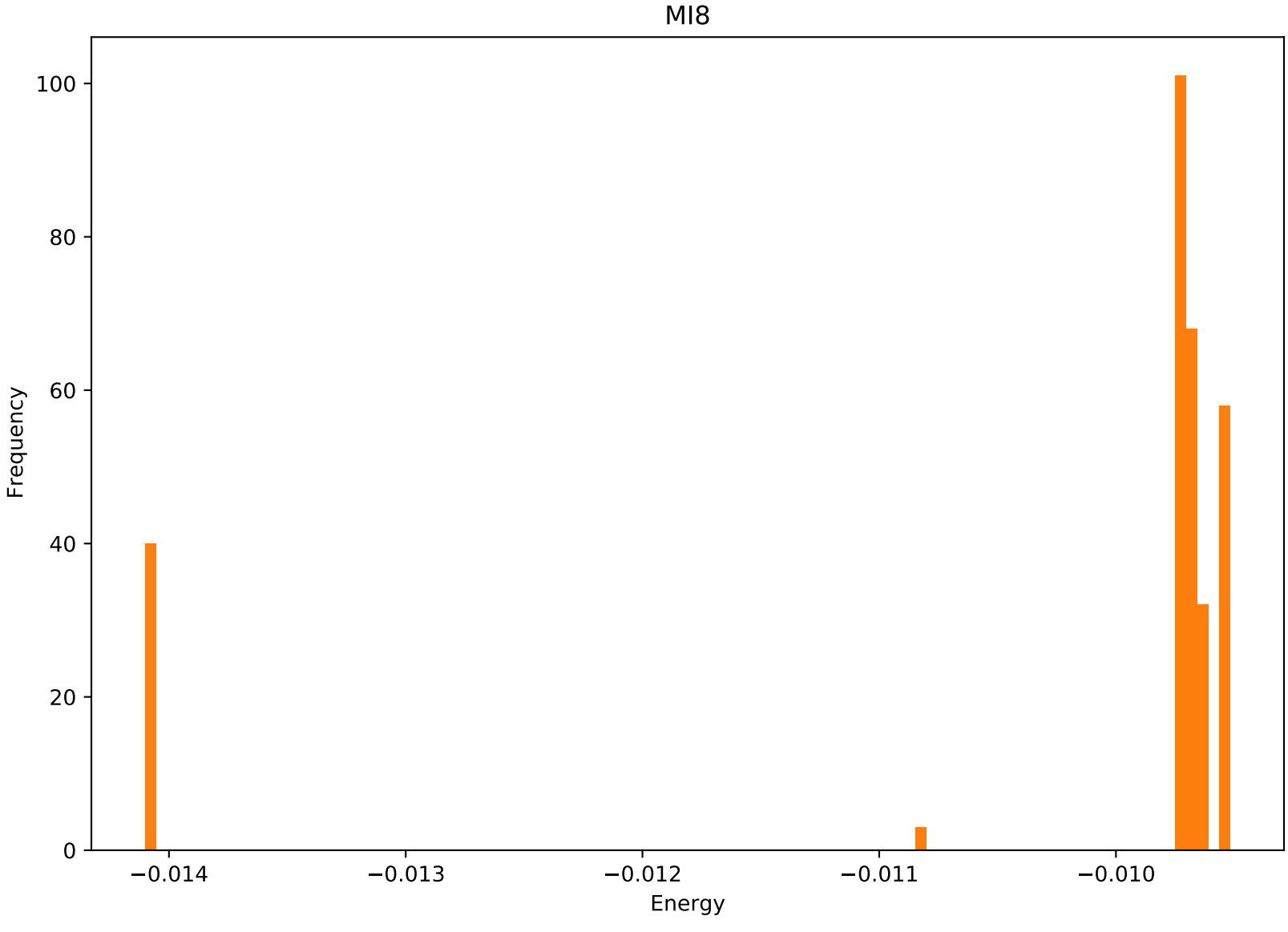

MI3
300
250
200
150
100
50
0
Frequency
Baseline: -2.32768
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8
Energy

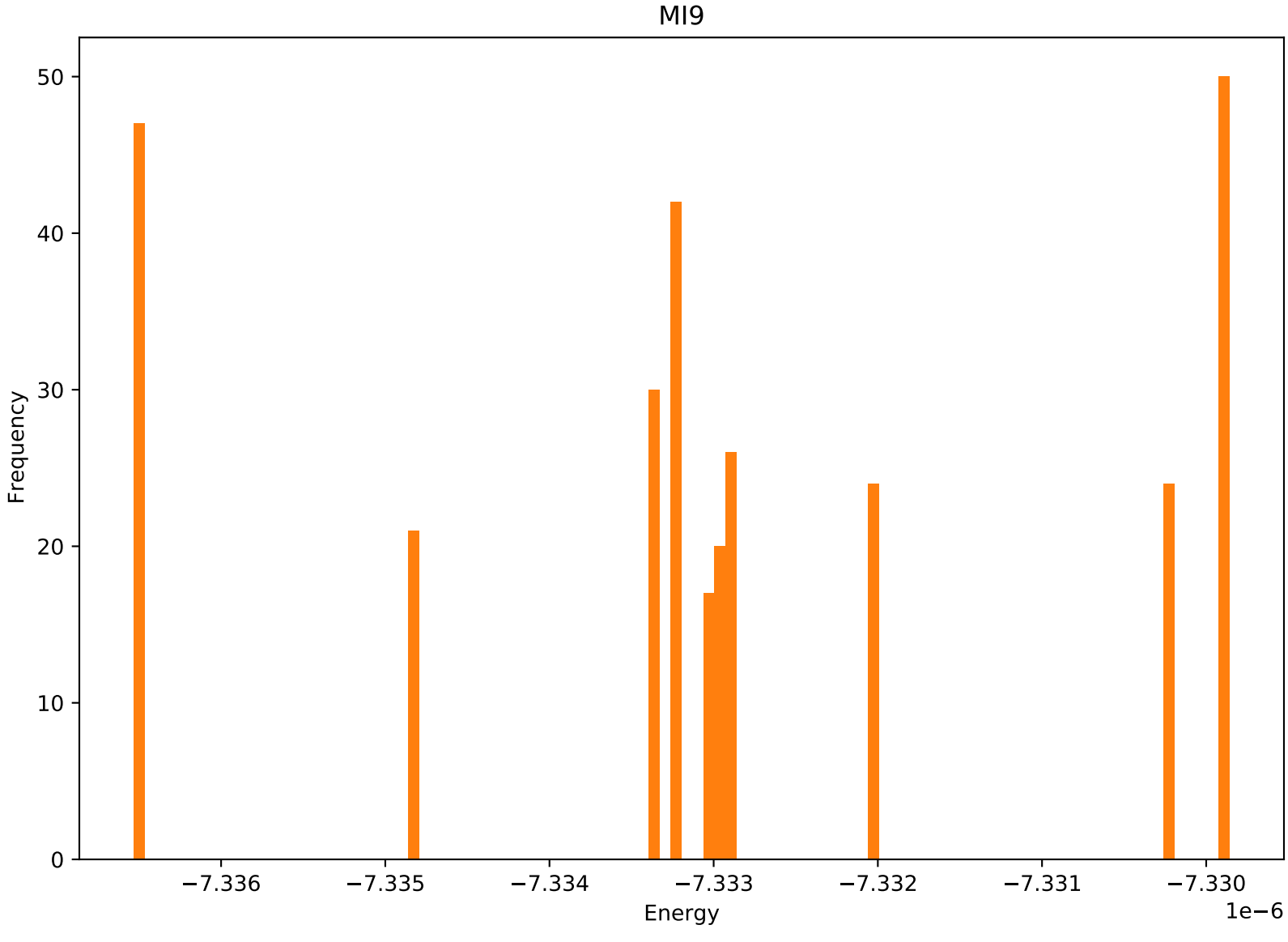

MI4
Frequency
250
200
150
100
50
0
Baseline: -3.22549
−3.6
−3.4
−3.2
−3.0
−2.8
Energy

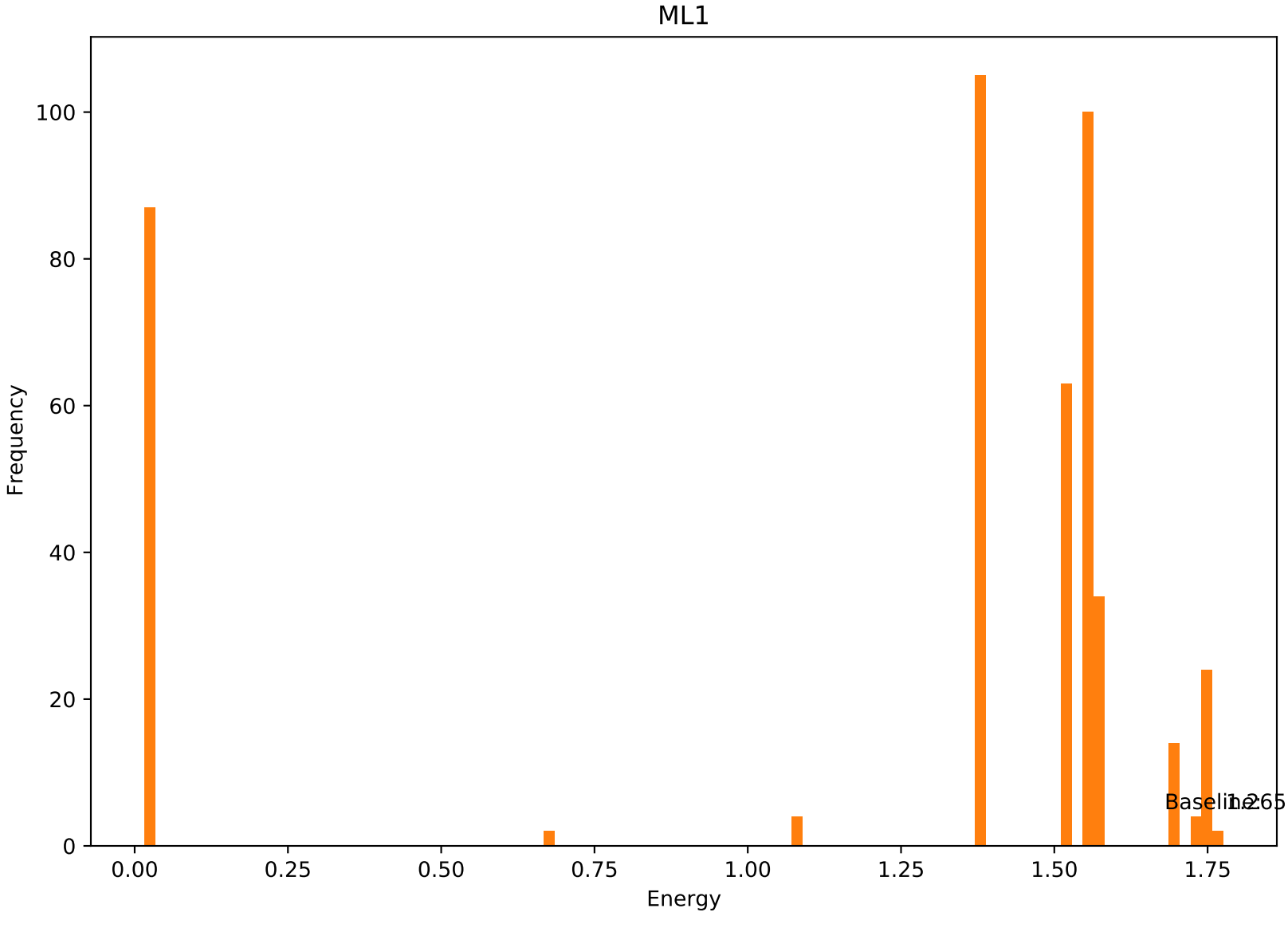

MI5
120
100
80
60
40
20
0
Frequency
−0.19
−0.18
−0.17
−0.16
Energy

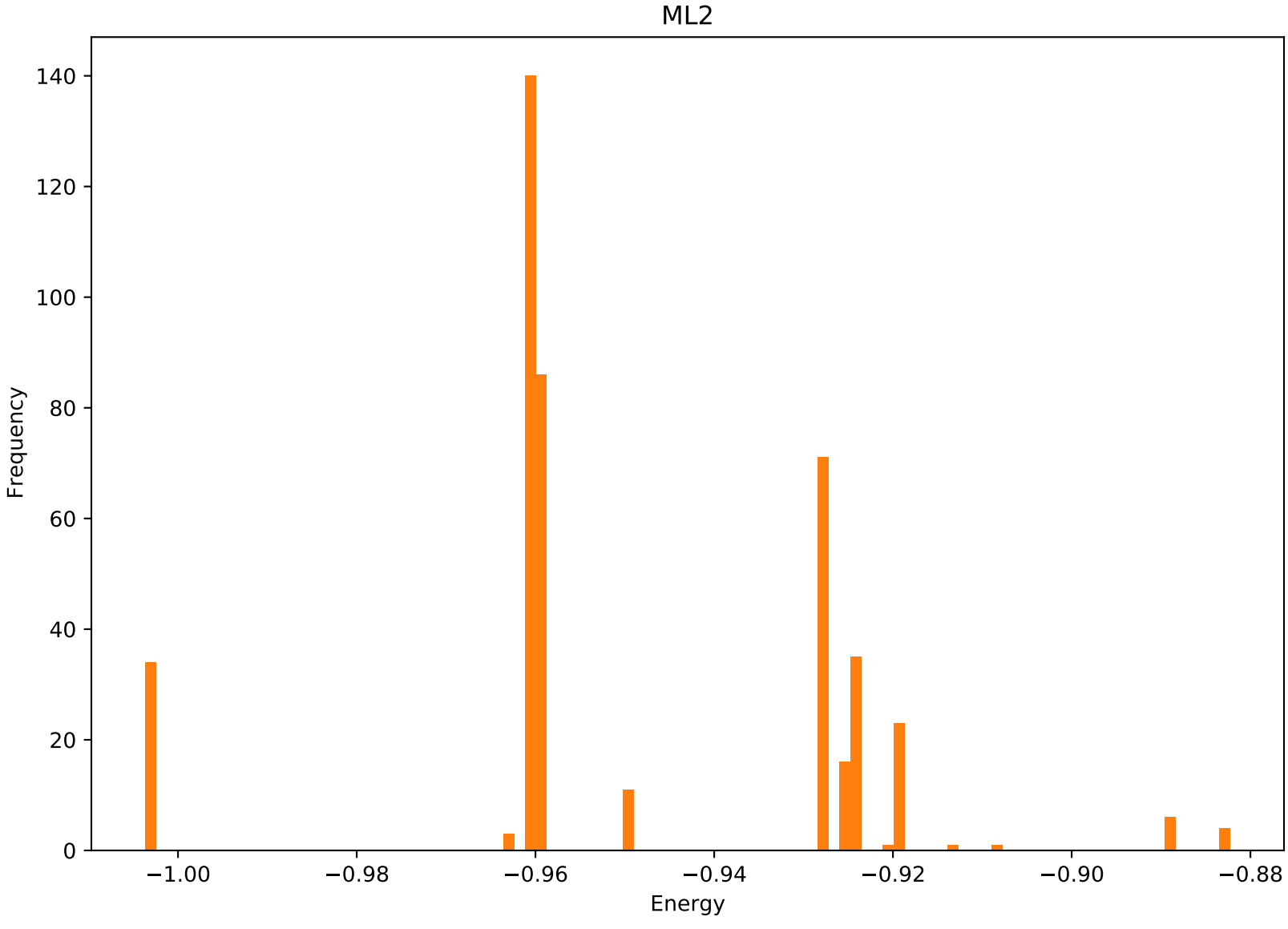

MI6
Frequency
0
20
40
60
80
100
−0.055
−0.054
−0.053
−0.052
−0.051
−0.050
−0.049
−0.048
Energy

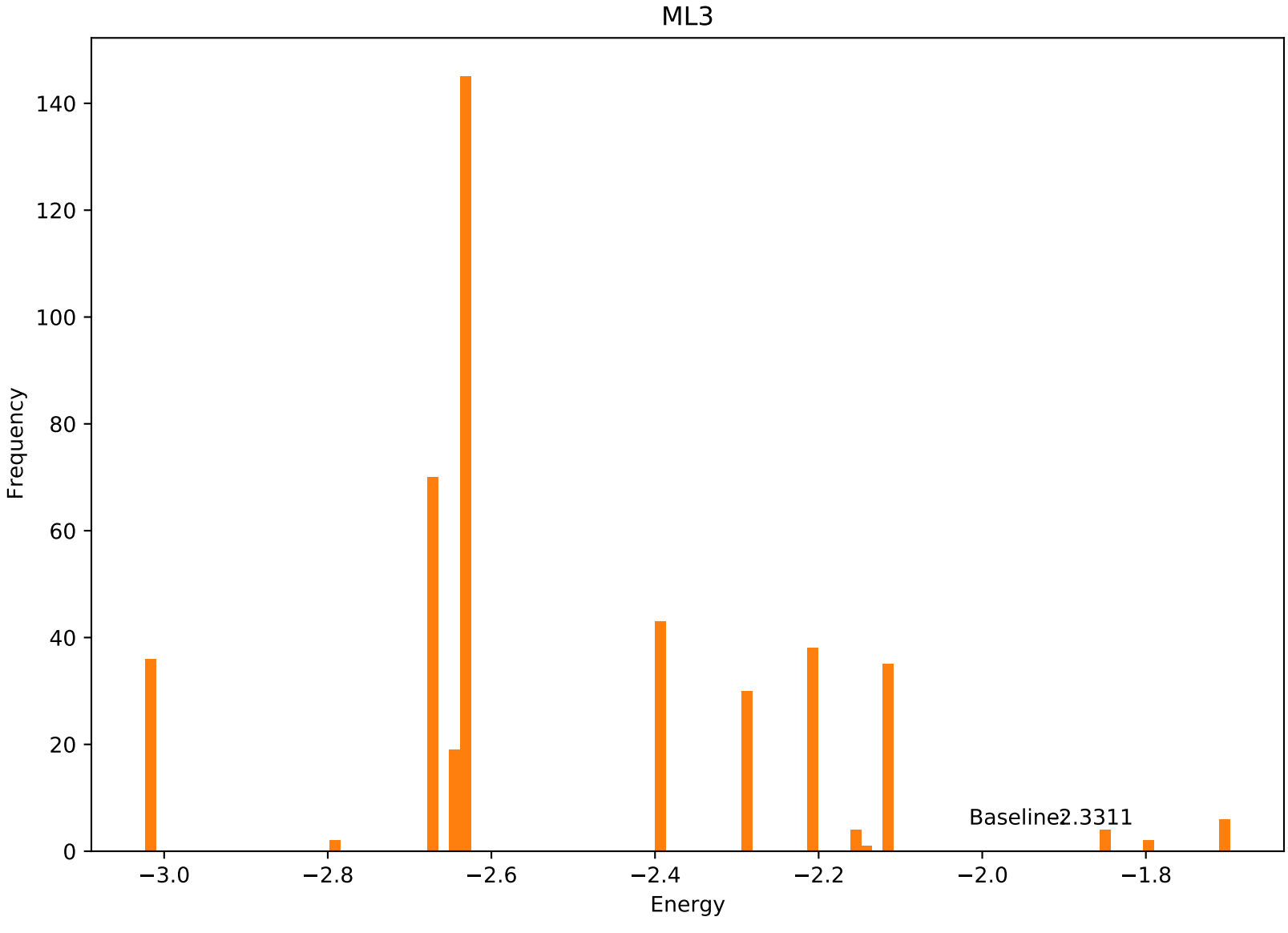

MI7
Frequency
0
20
40
60
80
100
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

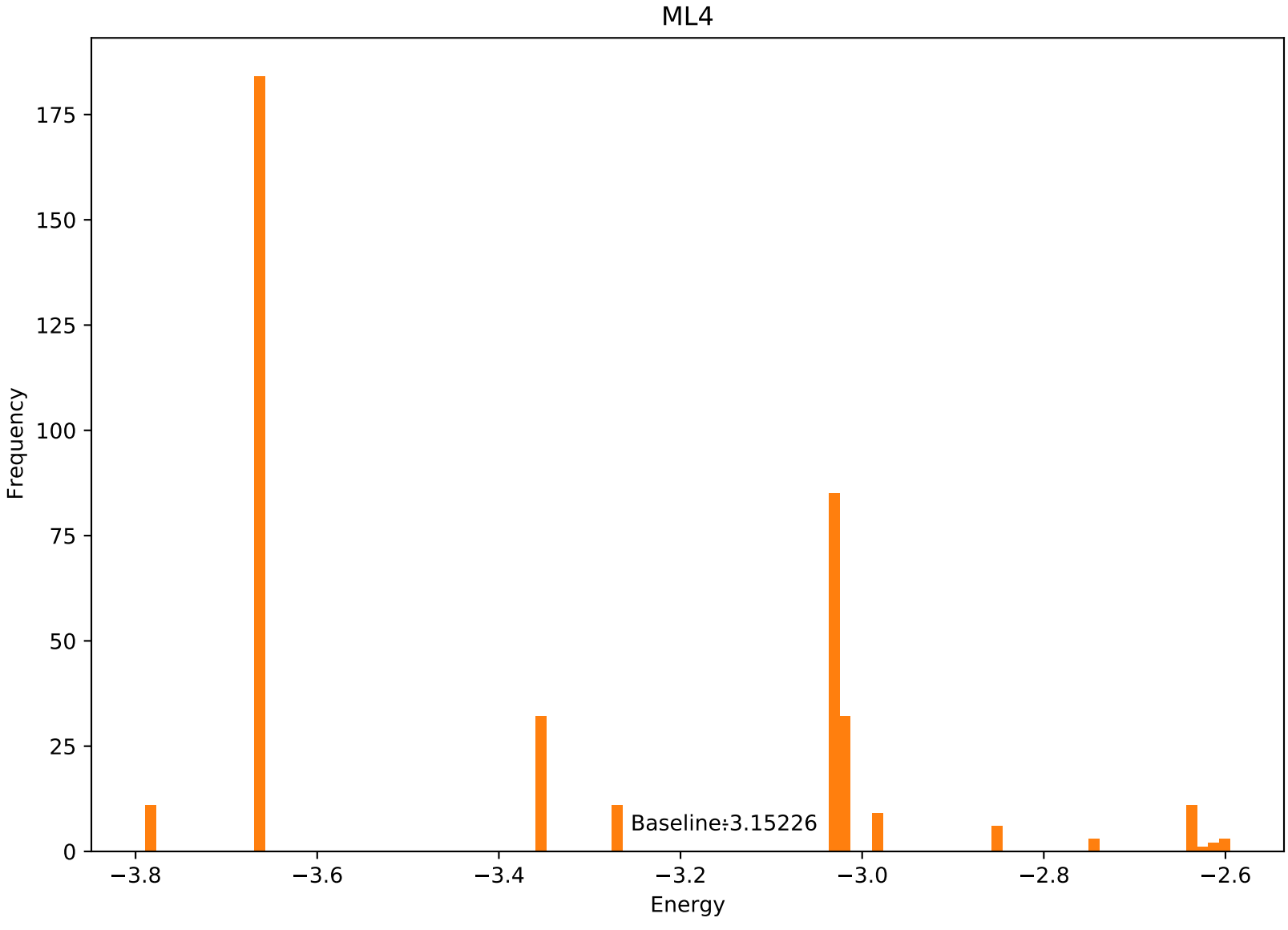

MI8
Frequency
Energy
0
20
40
60
80
100
−0.014
−0.013
−0.012
−0.011
−0.010

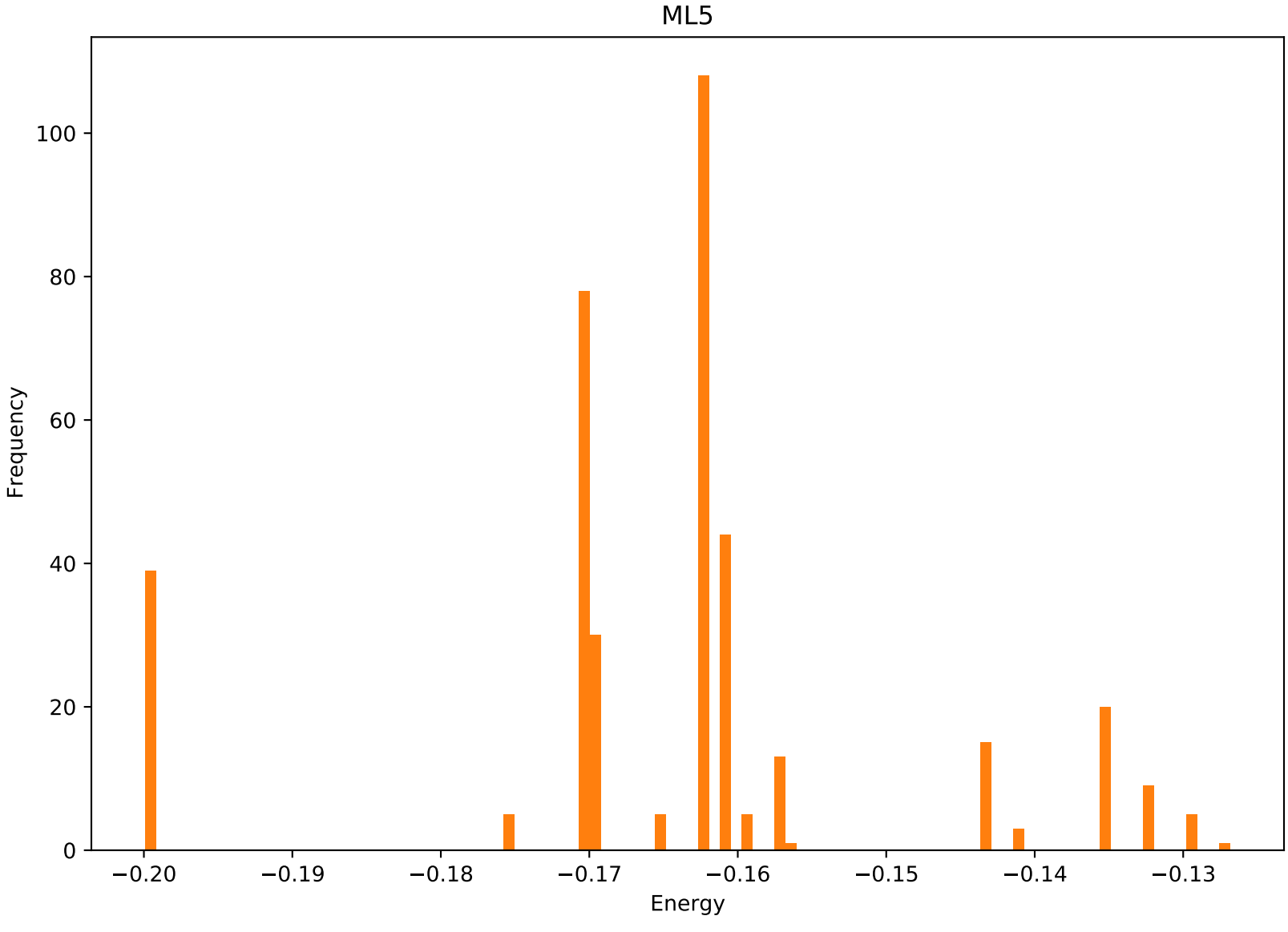

MI9
Frequency
0
10
20
30
40
50
−7.336
−7.335
−7.334
−7.333
−7.332
−7.331
−7.330
Energy
1e−6

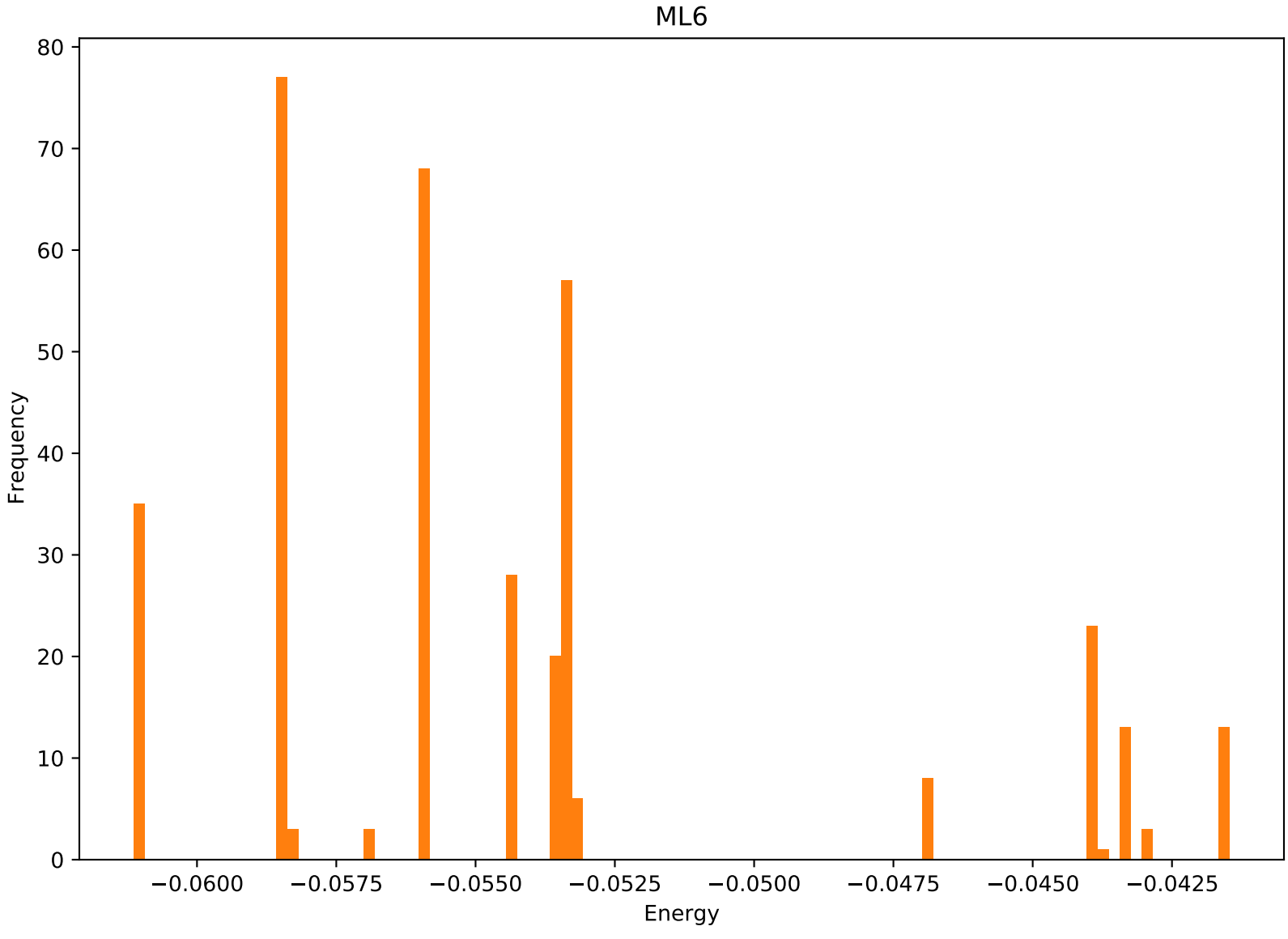

ML1
Frequency
Energy
0
20
40
60
80
100
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
Baseline 1.265

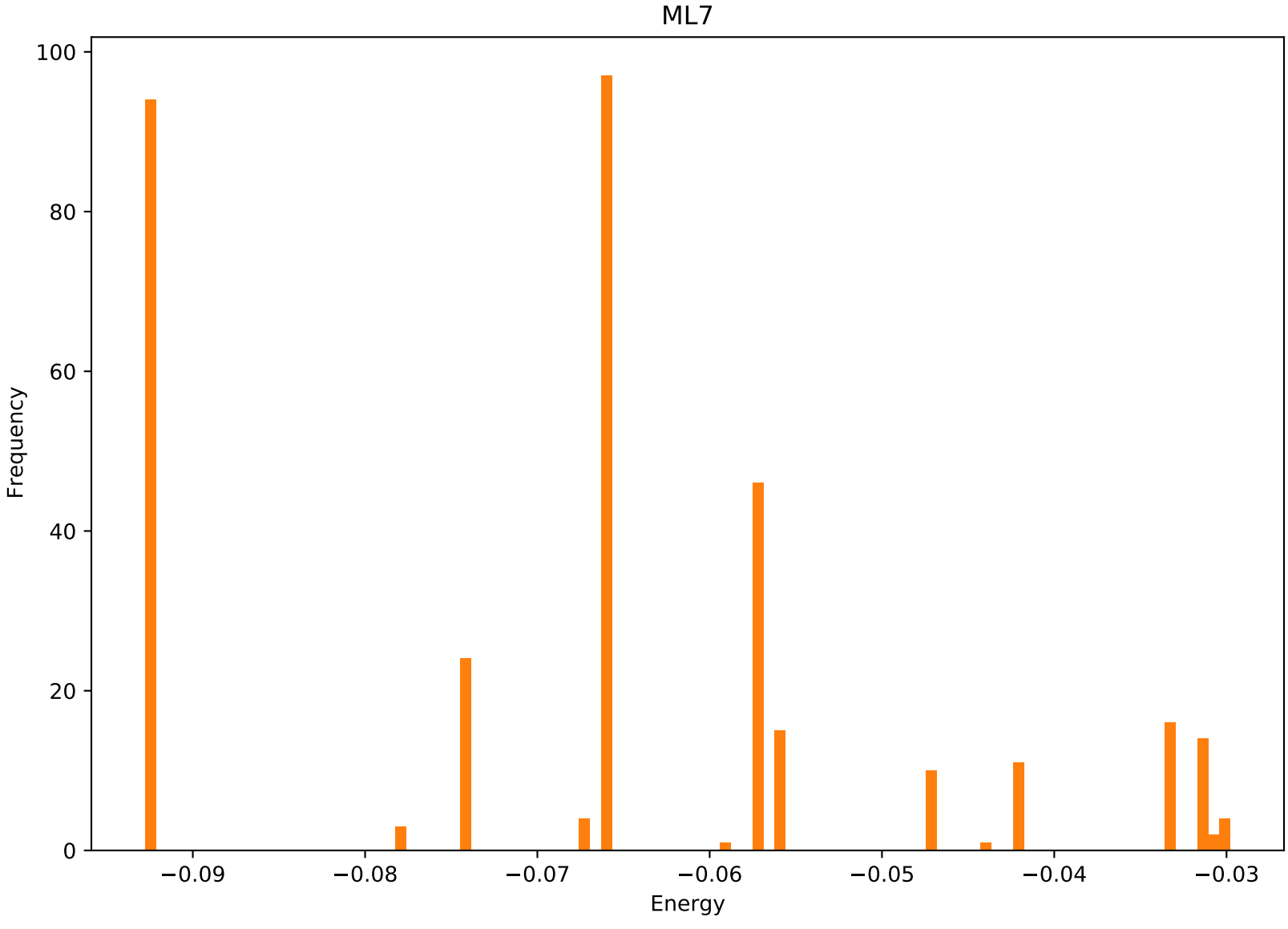

ML2
Frequency
Energy
0
20
40
60
80
100
120
140
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88

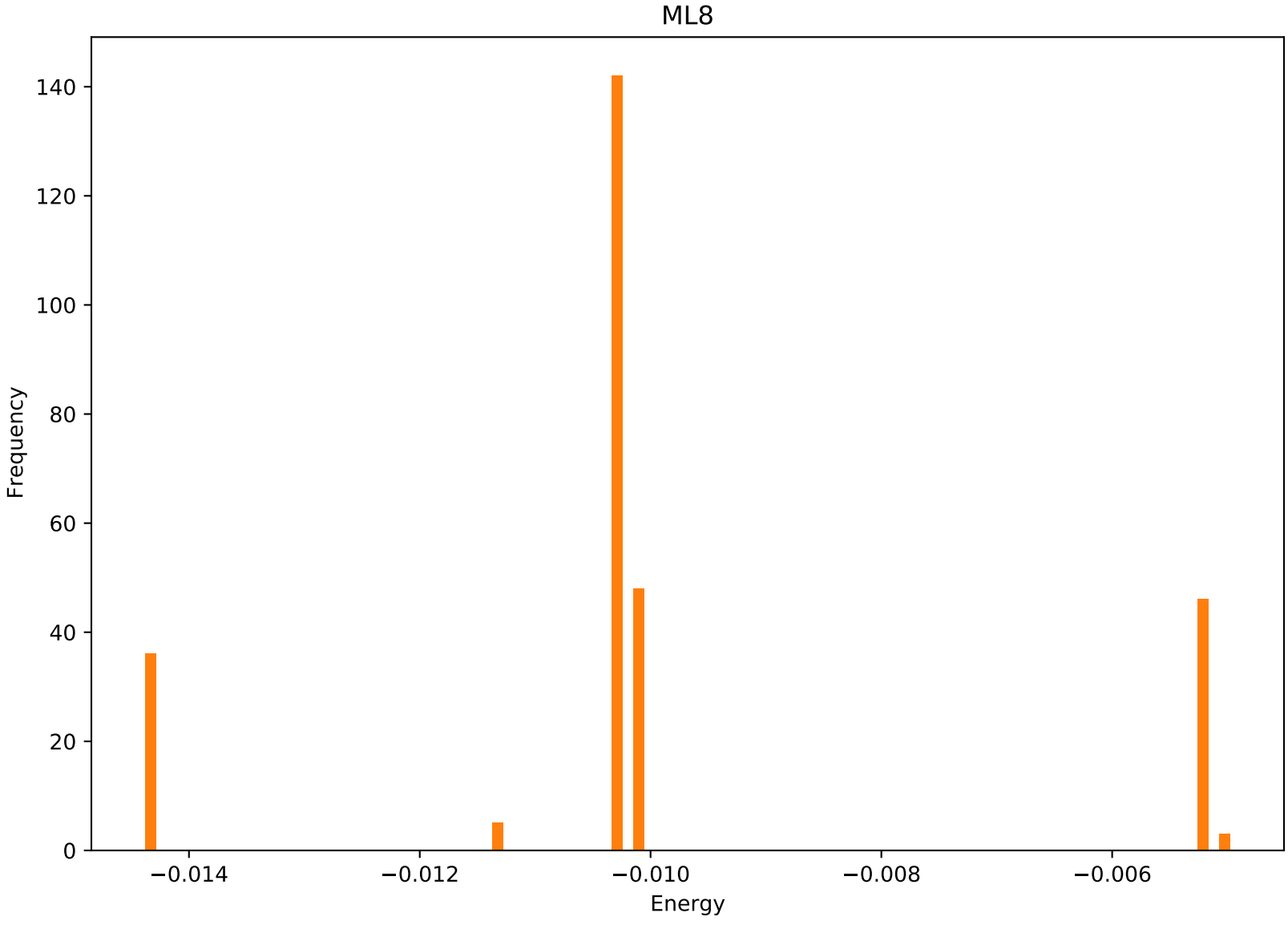

ML3
Frequency
Energy
Baseline2.3311
0
20
40
60
80
100
120
140
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

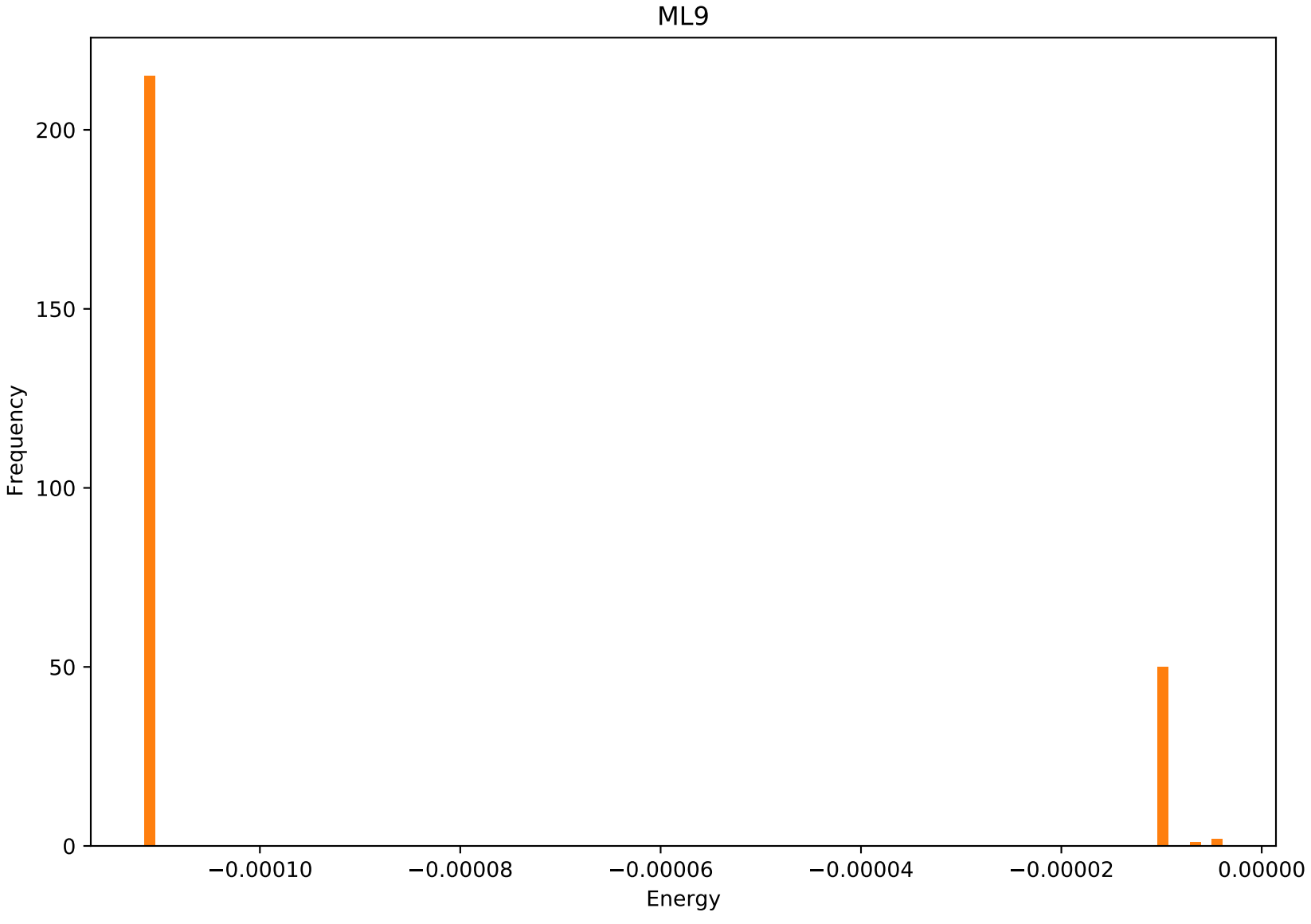

ML4
Frequency
Energy
Baseline:3.15226
0
25
50
75
100
125
150
175
−3.8
−3.6
−3.4
−3.2
−3.0
−2.8
−2.6

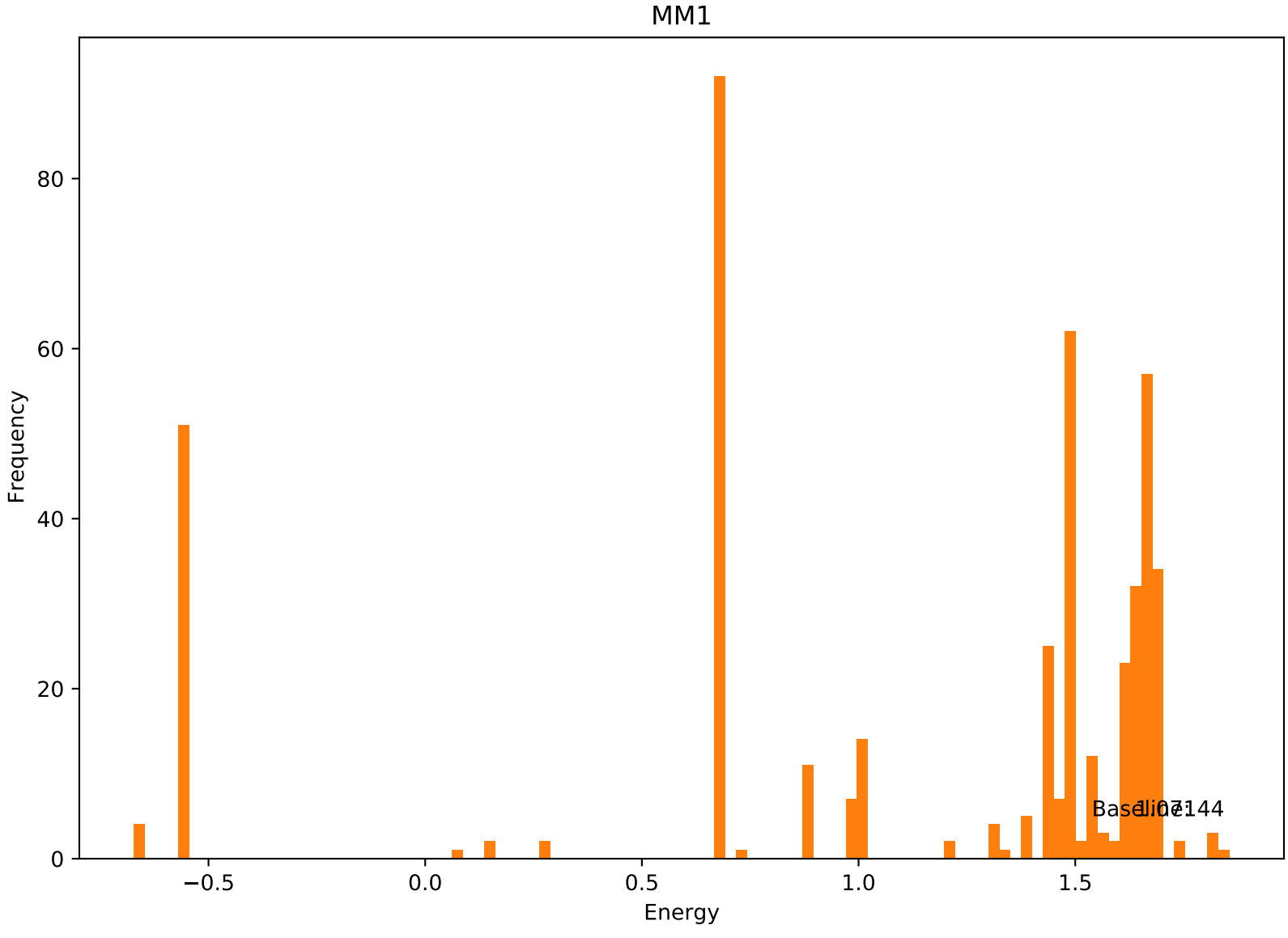

ML5
Frequency
Energy
0
20
40
60
80
100
−0.20
−0.19
−0.18
−0.17
−0.16
−0.15
−0.14
−0.13

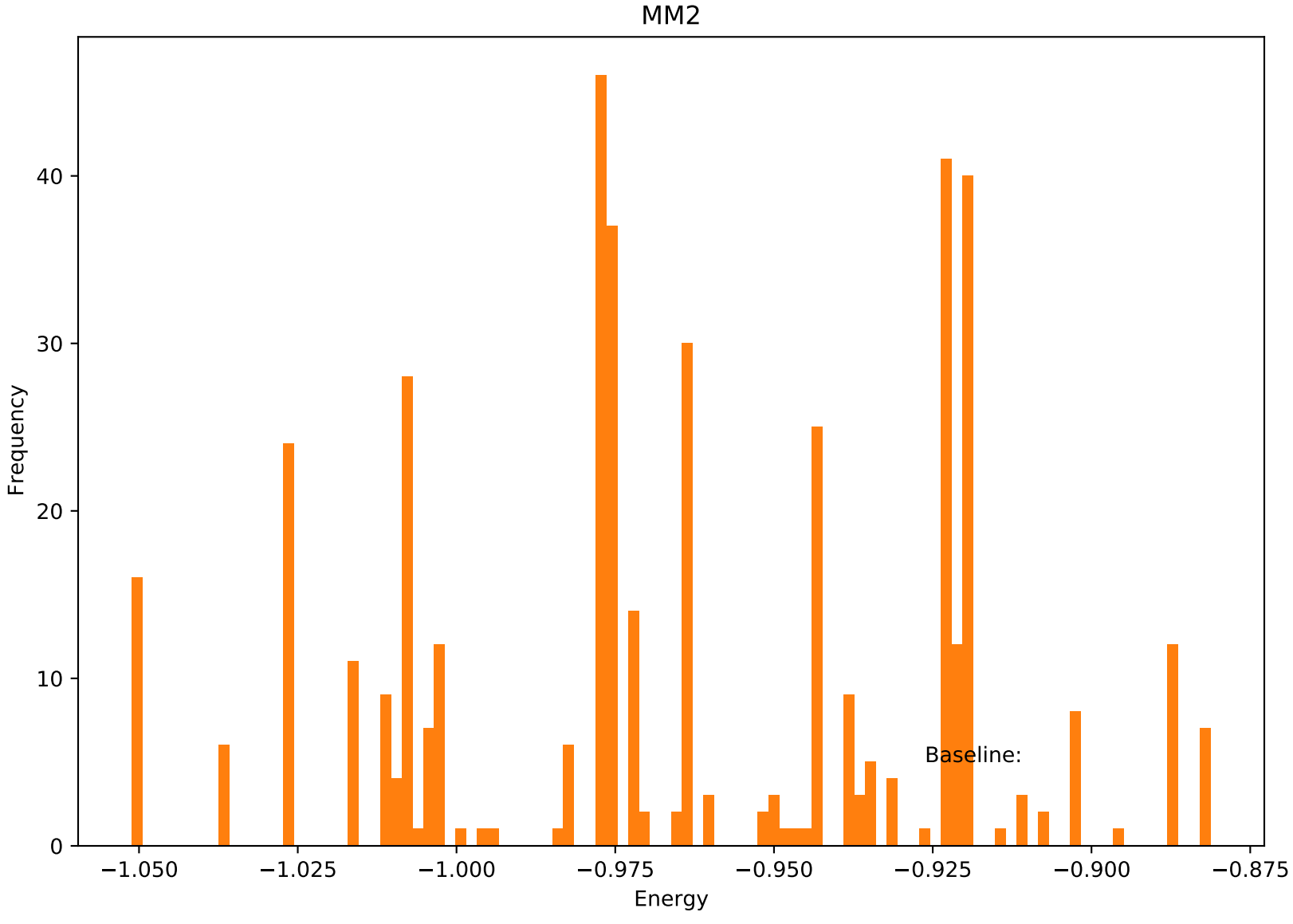

ML6
Frequency
Energy
0
10
20
30
40
50
60
70
80
−0.0600
−0.0575
−0.0550
−0.0525
−0.0500
−0.0475
−0.0450
−0.0425

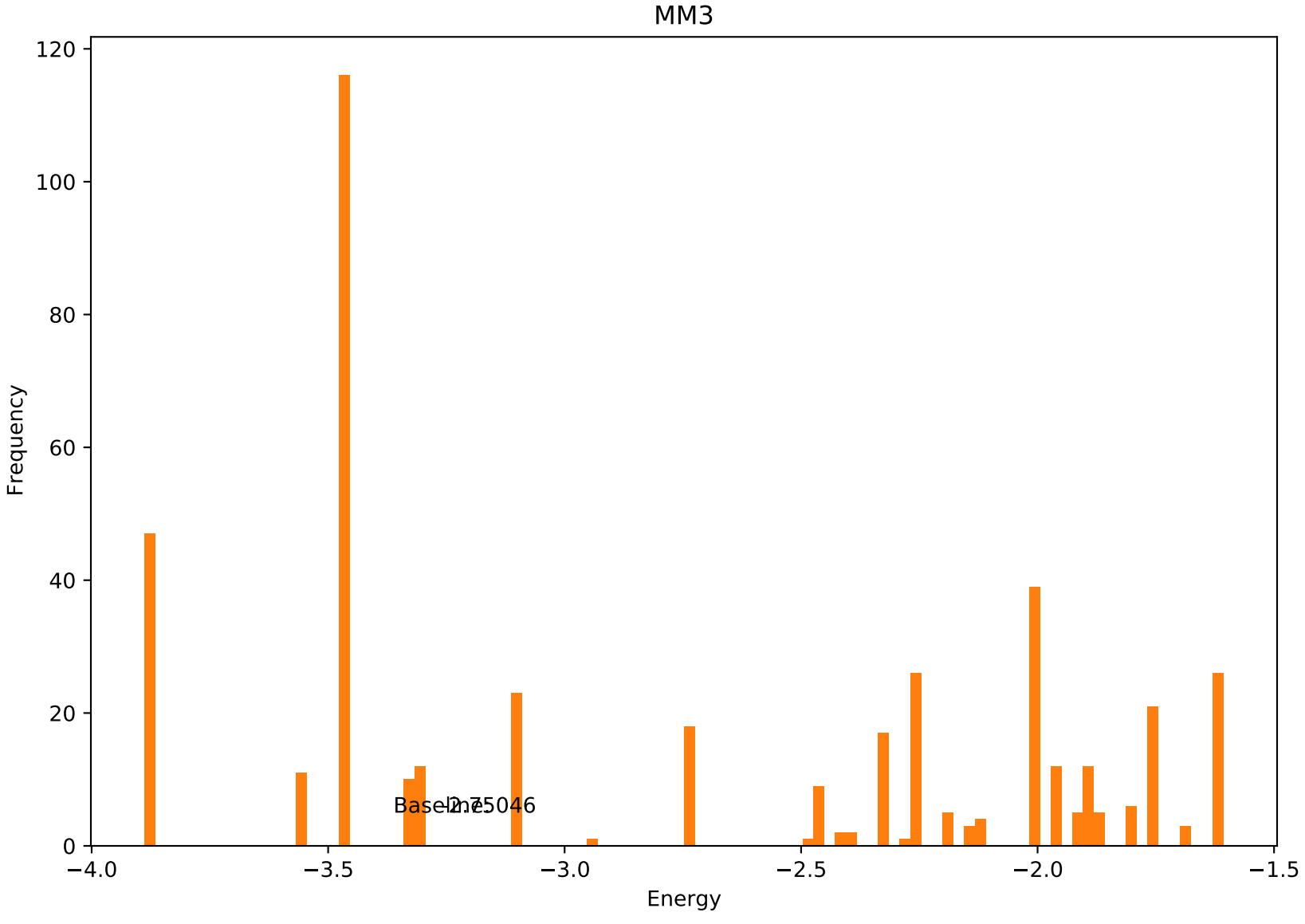

ML7
Frequency
Energy
100
80
60
40
20
0
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03

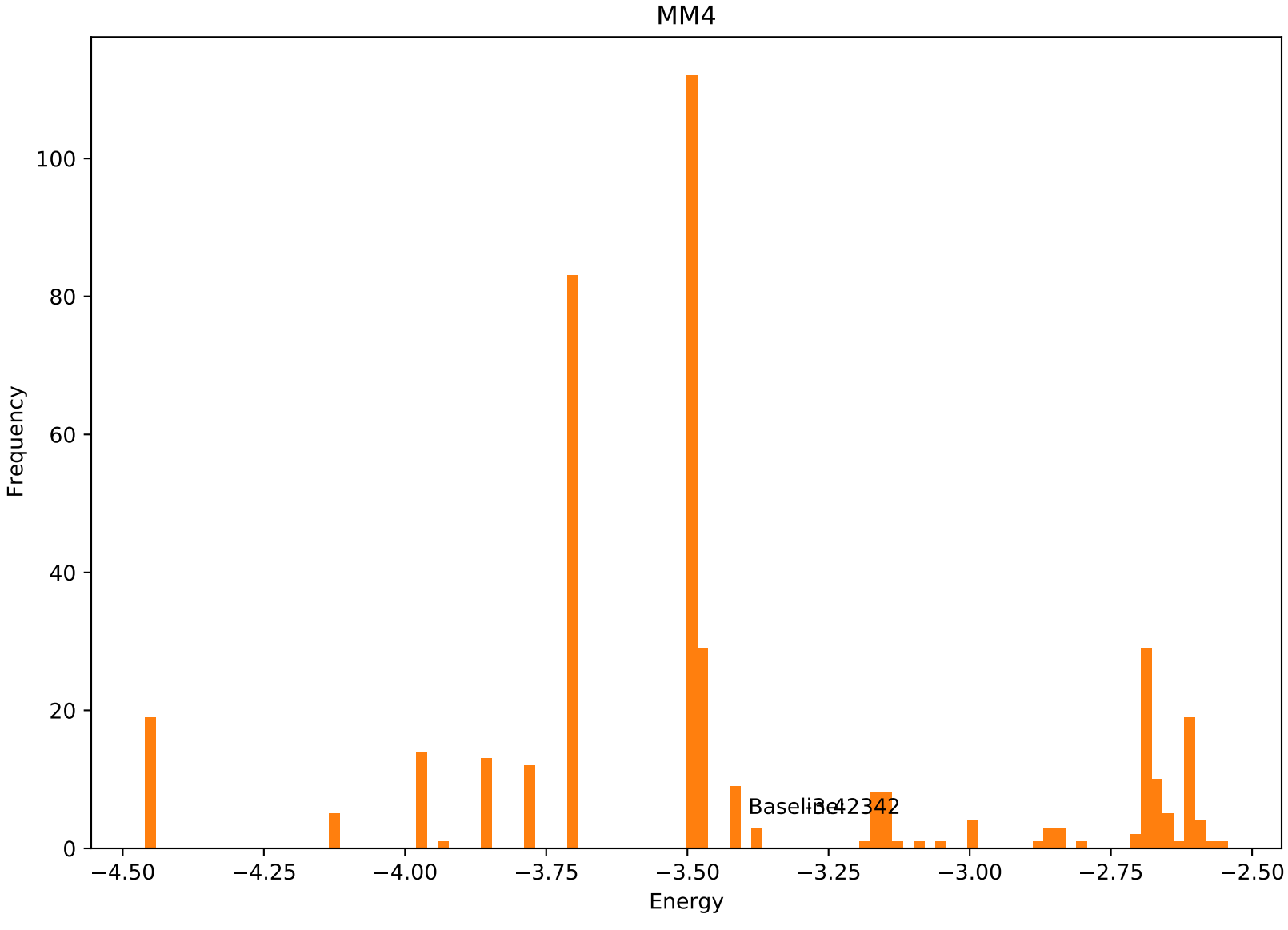

ML8
Frequency
Energy
0
20
40
60
80
100
120
140
−0.014
−0.012
−0.010
−0.008
−0.006

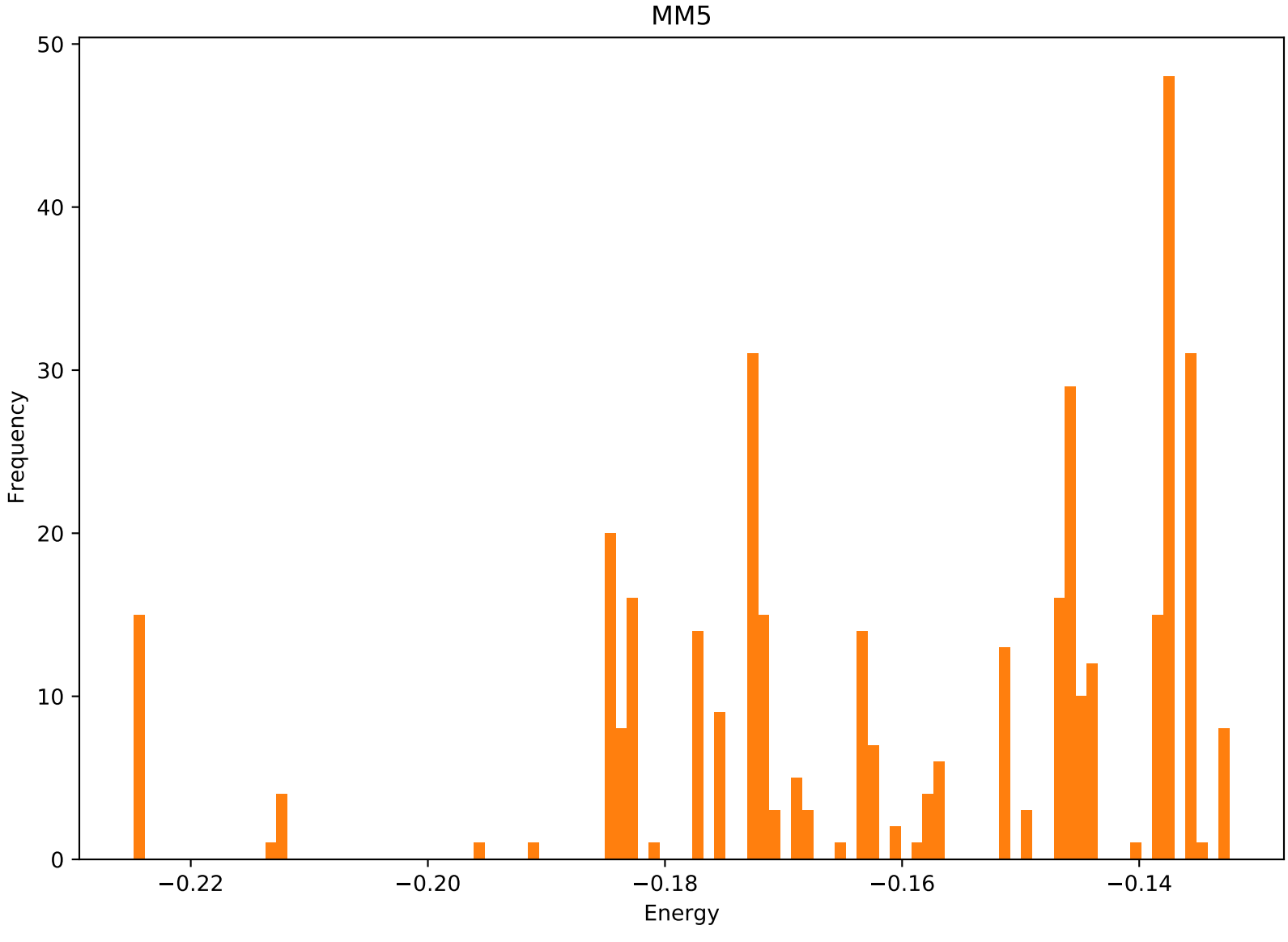

ML9
Frequency
200
150
100
50
0
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

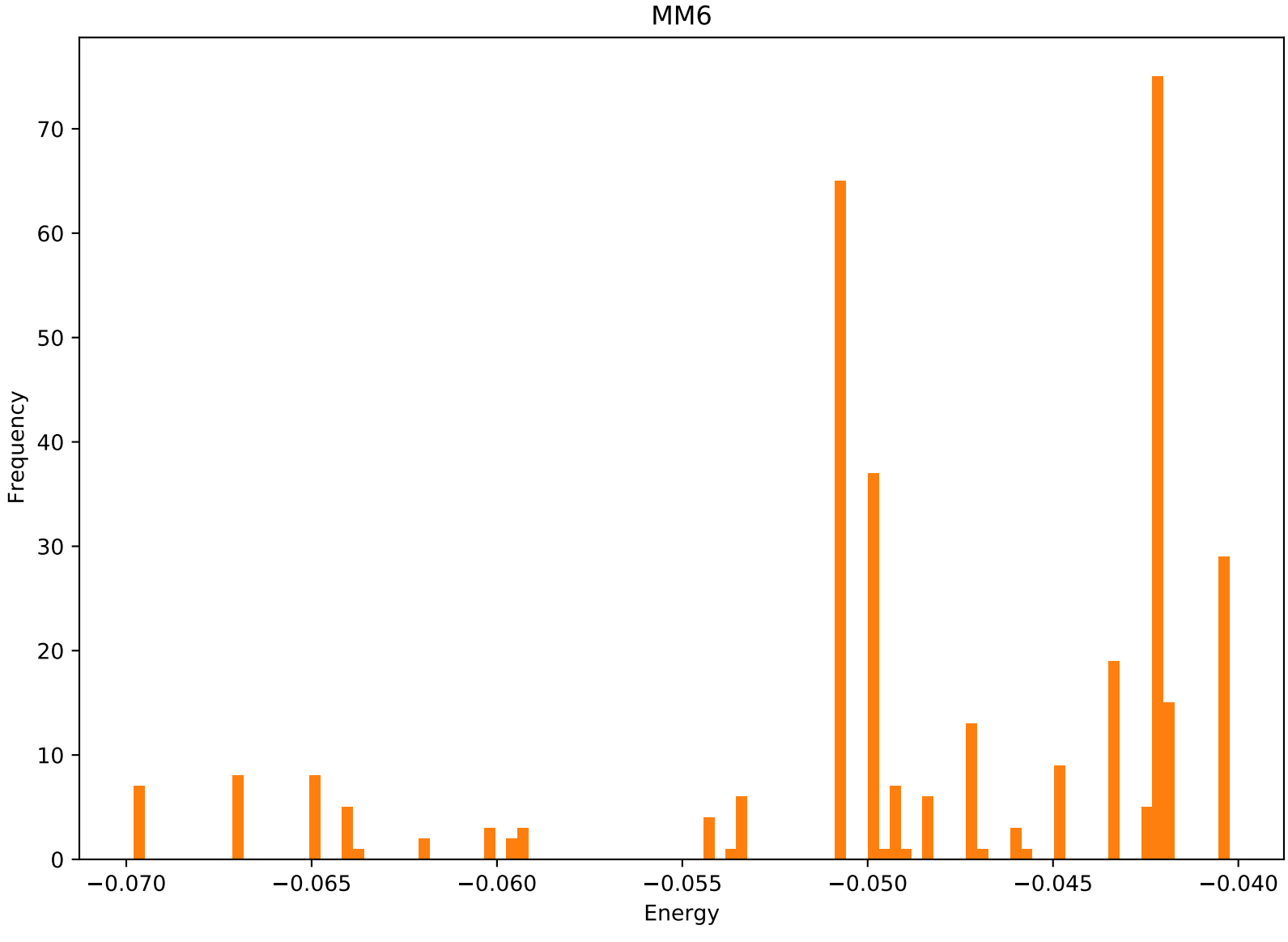

MM1
Frequency
Energy
0
20
40
60
80
−0.5
0.0
0.5
1.0
1.5
Baseline: 144

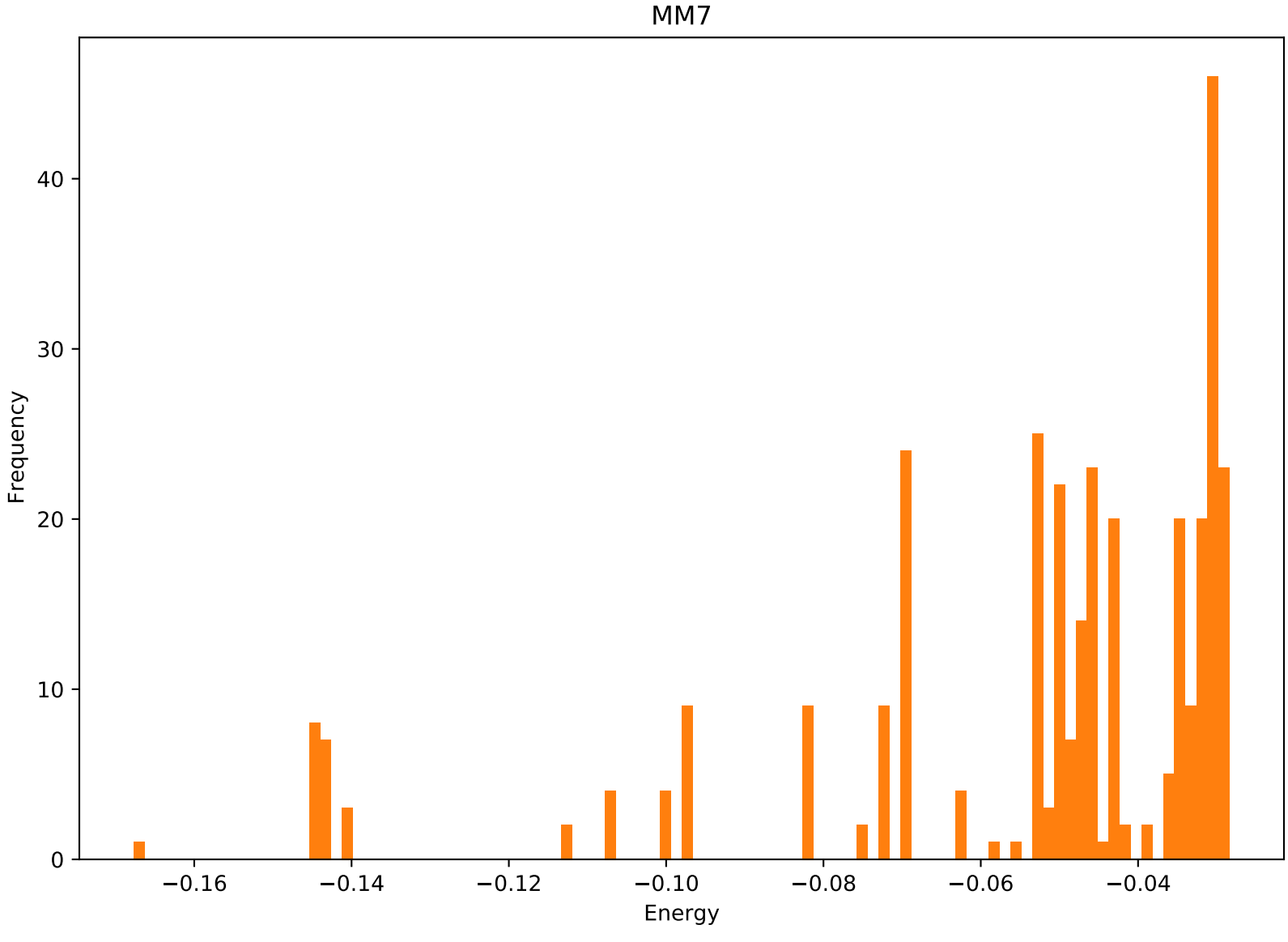

MM2
Frequency
0
10
20
30
40
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900
−0.875
Energy
Baseline:

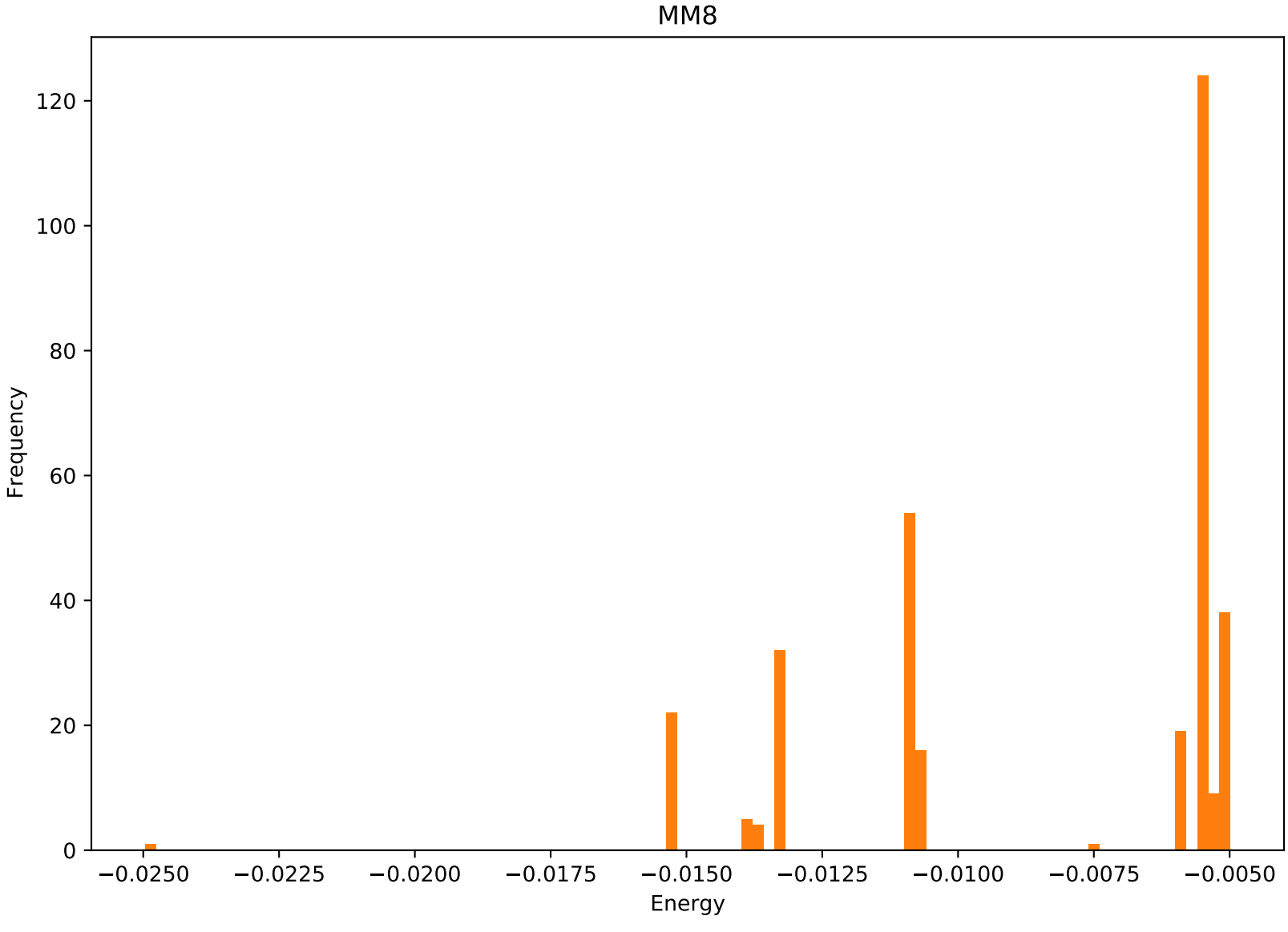

MM3
120
100
80
60
40
20
0
Frequency
−4.0
−3.5
−3.0
−2.5
−2.0
−1.5
Energy
Baseline:
2.75046

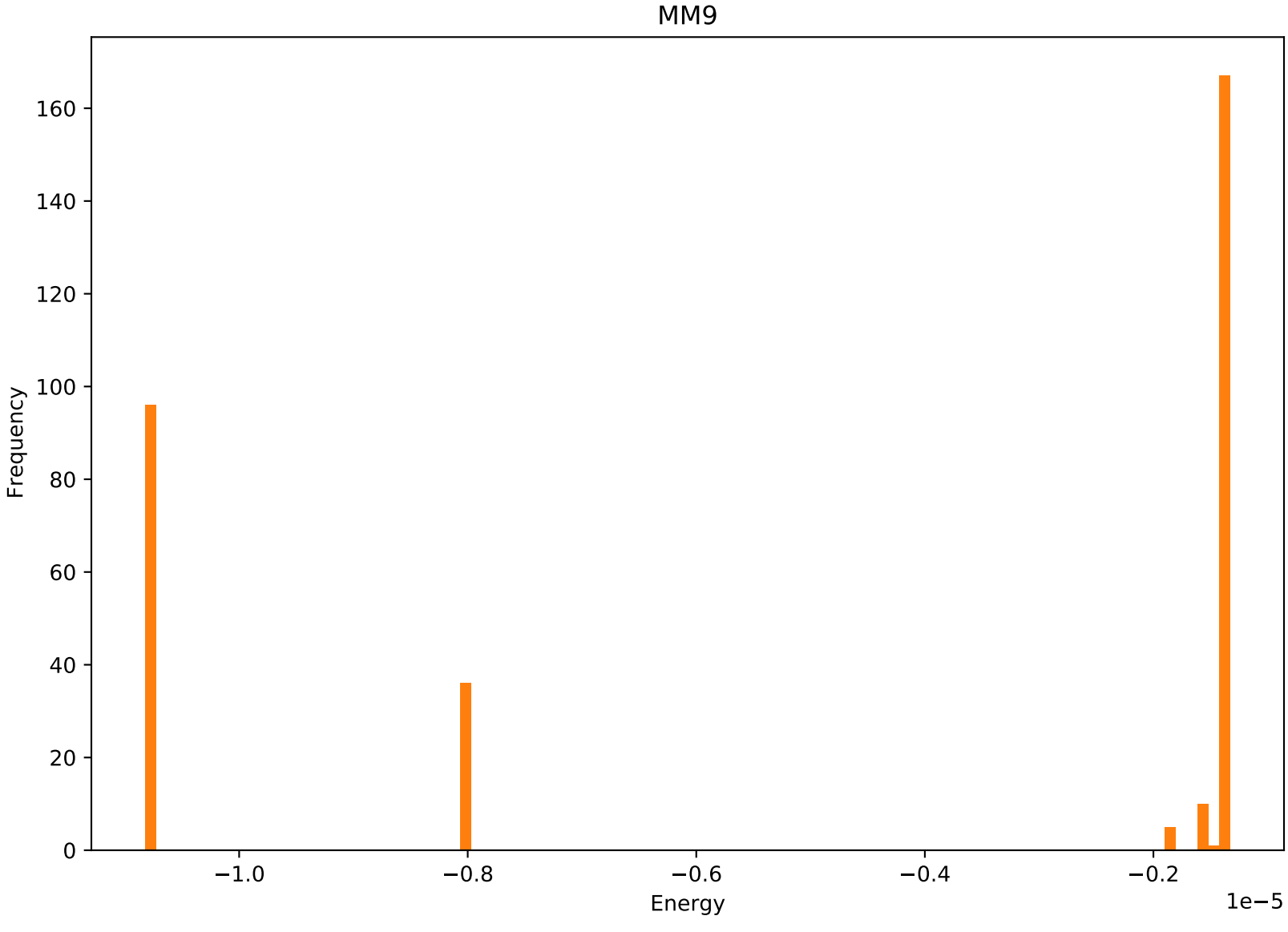

MM4
Frequency
Energy
0
20
40
60
80
100
−4.50
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
Baseline: 42342

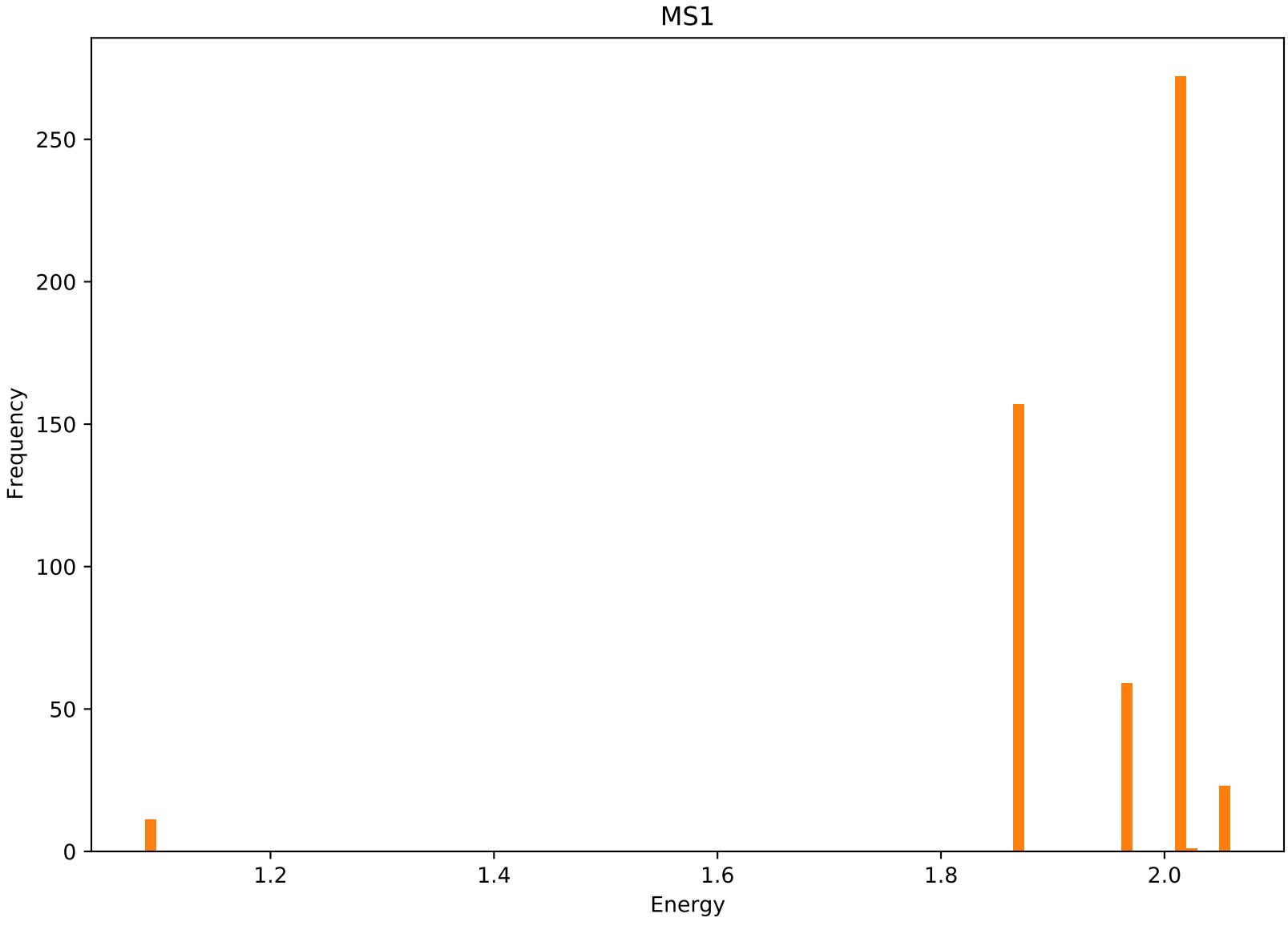

MM5
Frequency
Energy
0
10
20
30
40
50
−0.22
−0.20
−0.18
−0.16
−0.14

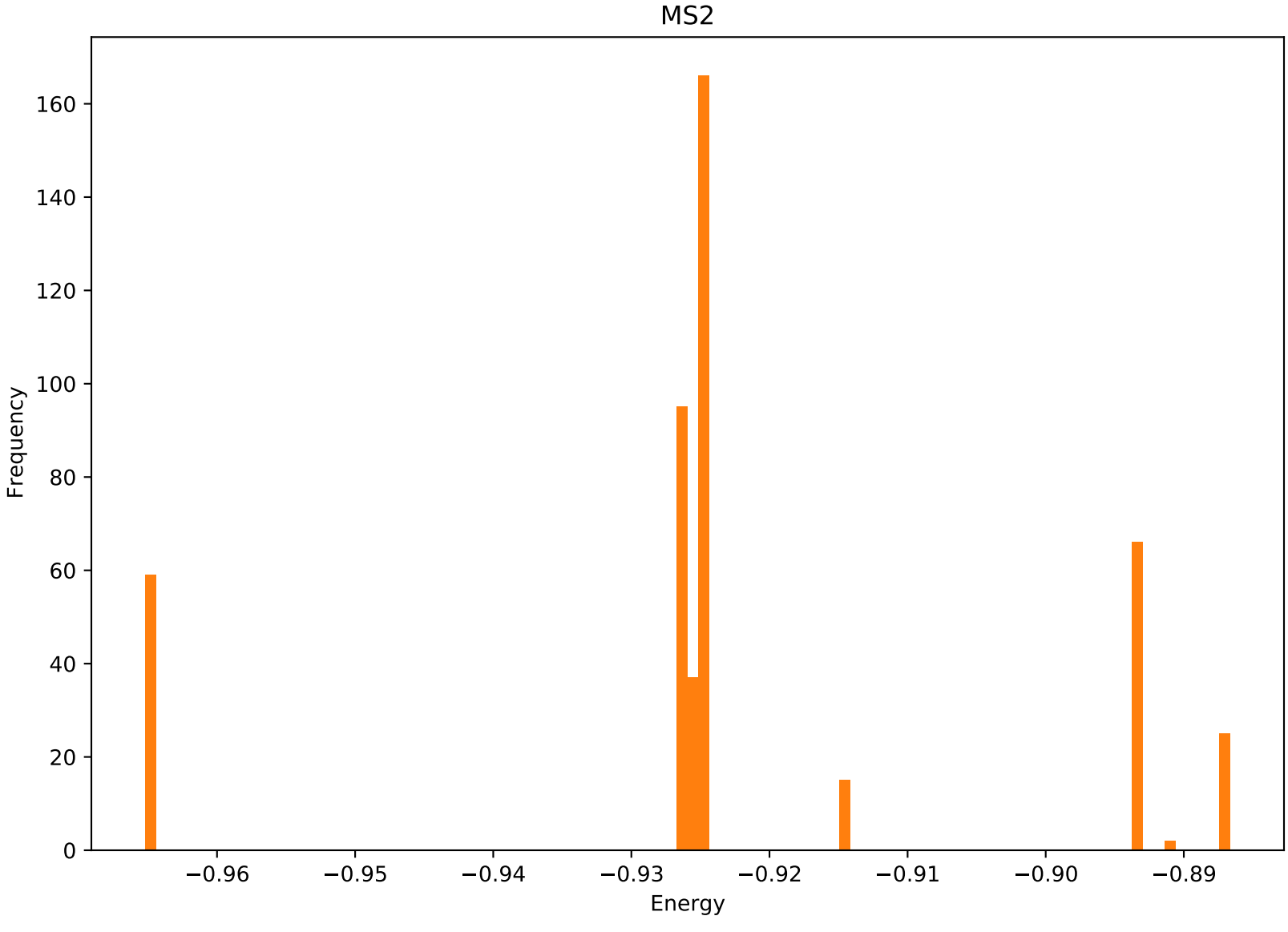

MM6
Frequency
Energy
0
10
20
30
40
50
60
70
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040

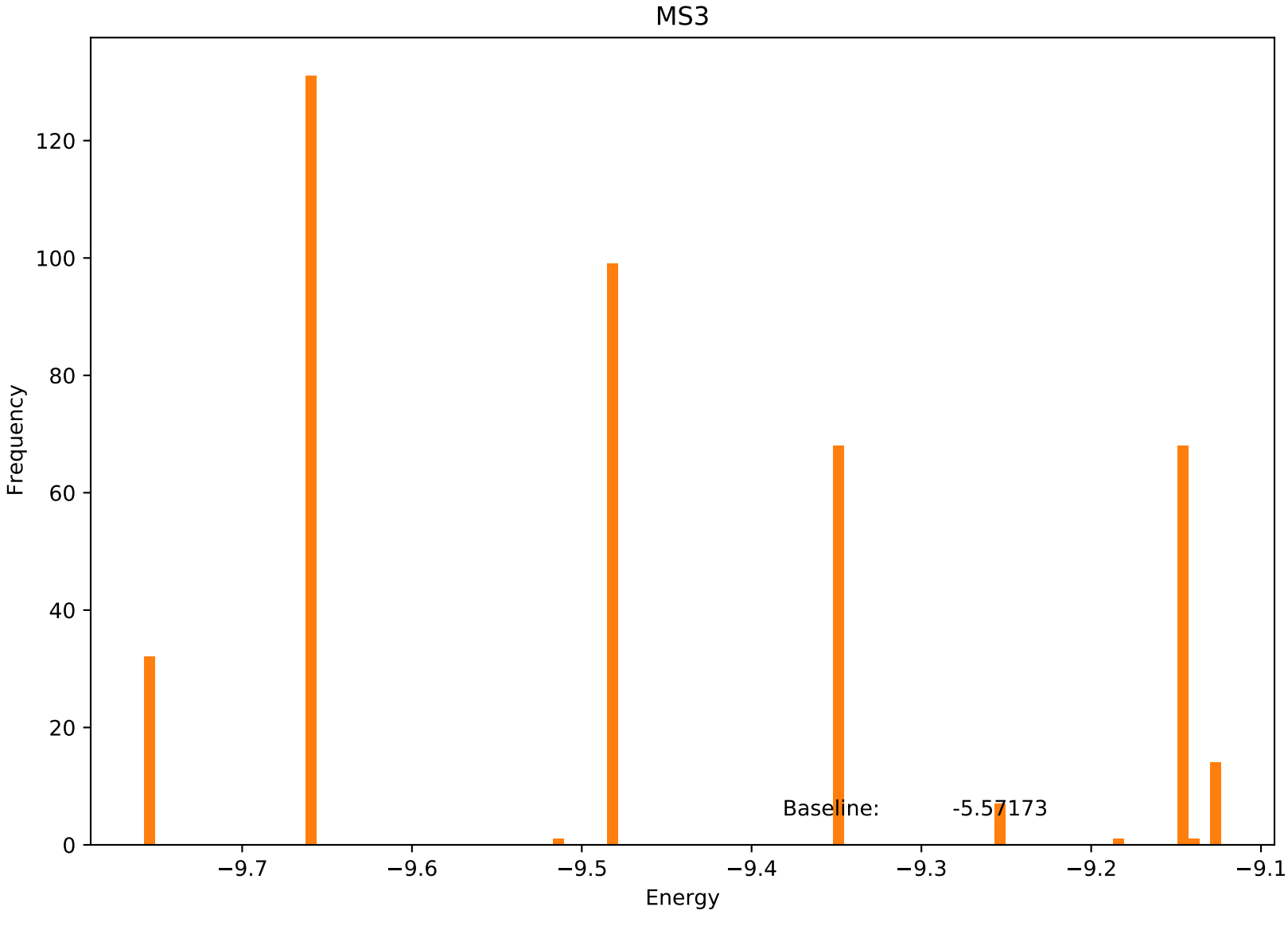

MM7
Frequency
0
10
20
30
40
−0.16
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

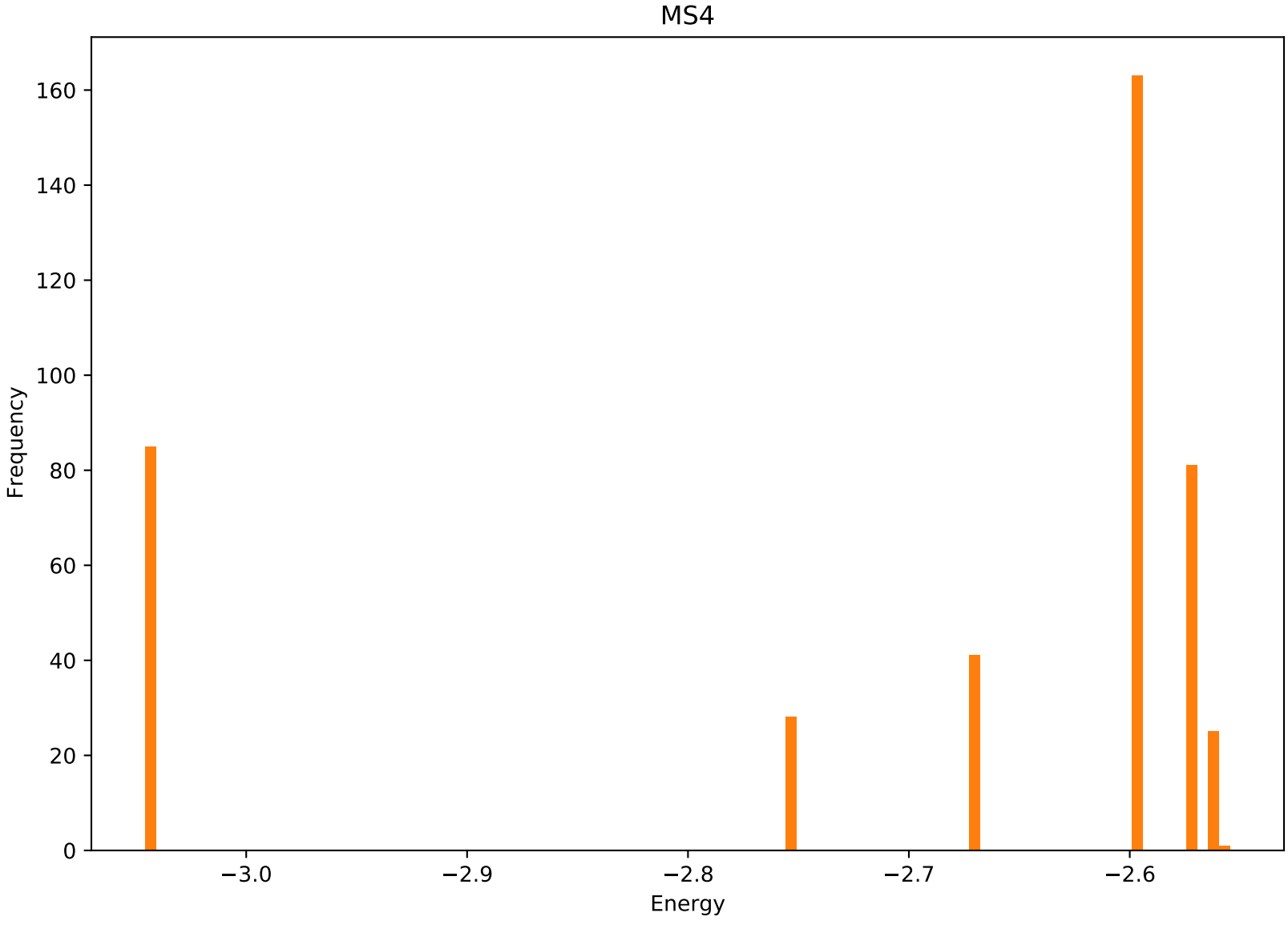

MM8
Frequency
Energy
0
20
40
60
80
100
120
−0.0250
−0.0225
−0.0200
−0.0175
−0.0150
−0.0125
−0.0100
−0.0075
−0.0050

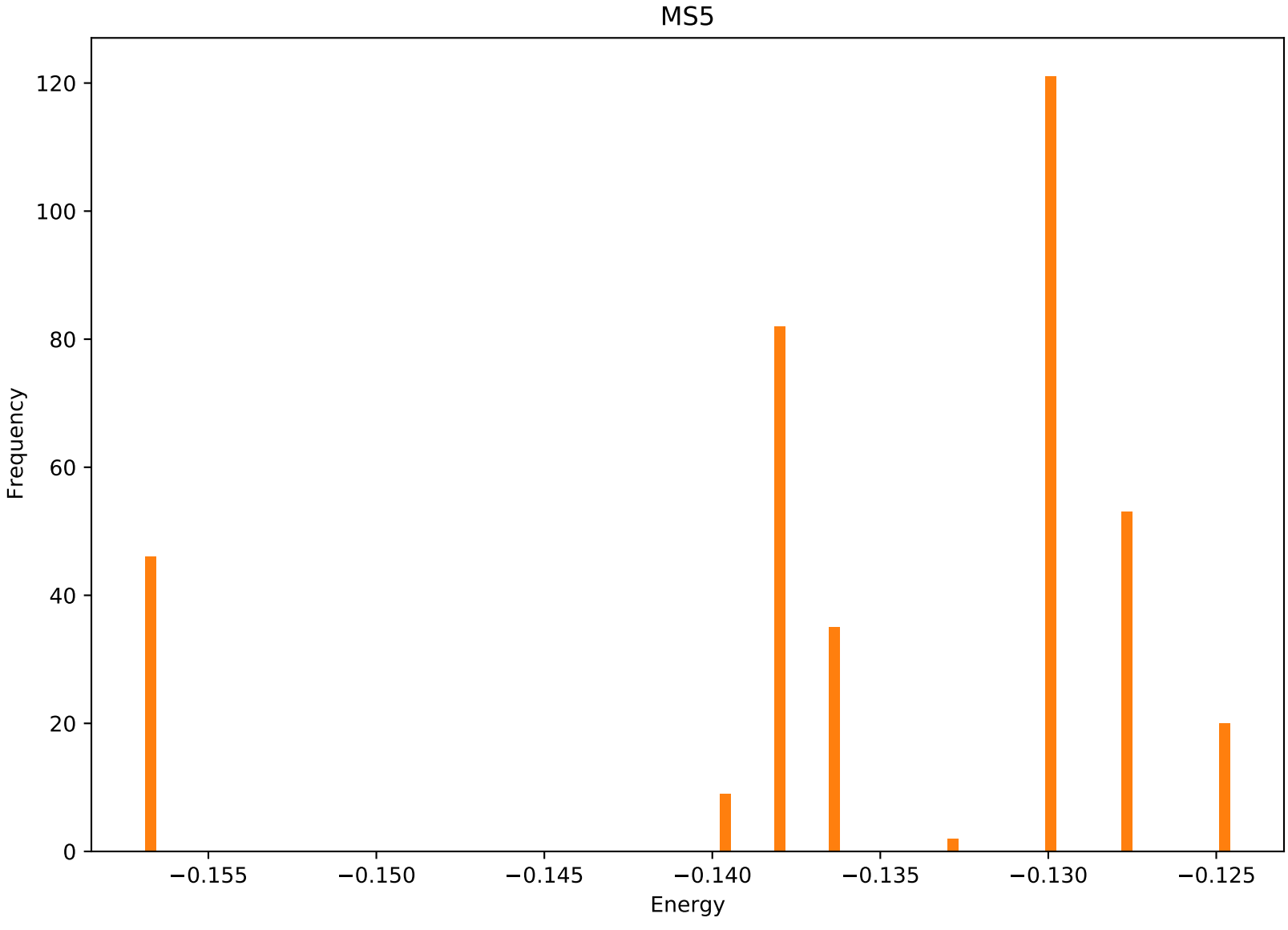

MM9
Frequency
160
140
120
100
80
60
40
20
0
−1.0
−0.8
−0.6
−0.4
−0.2
Energy
1e−5

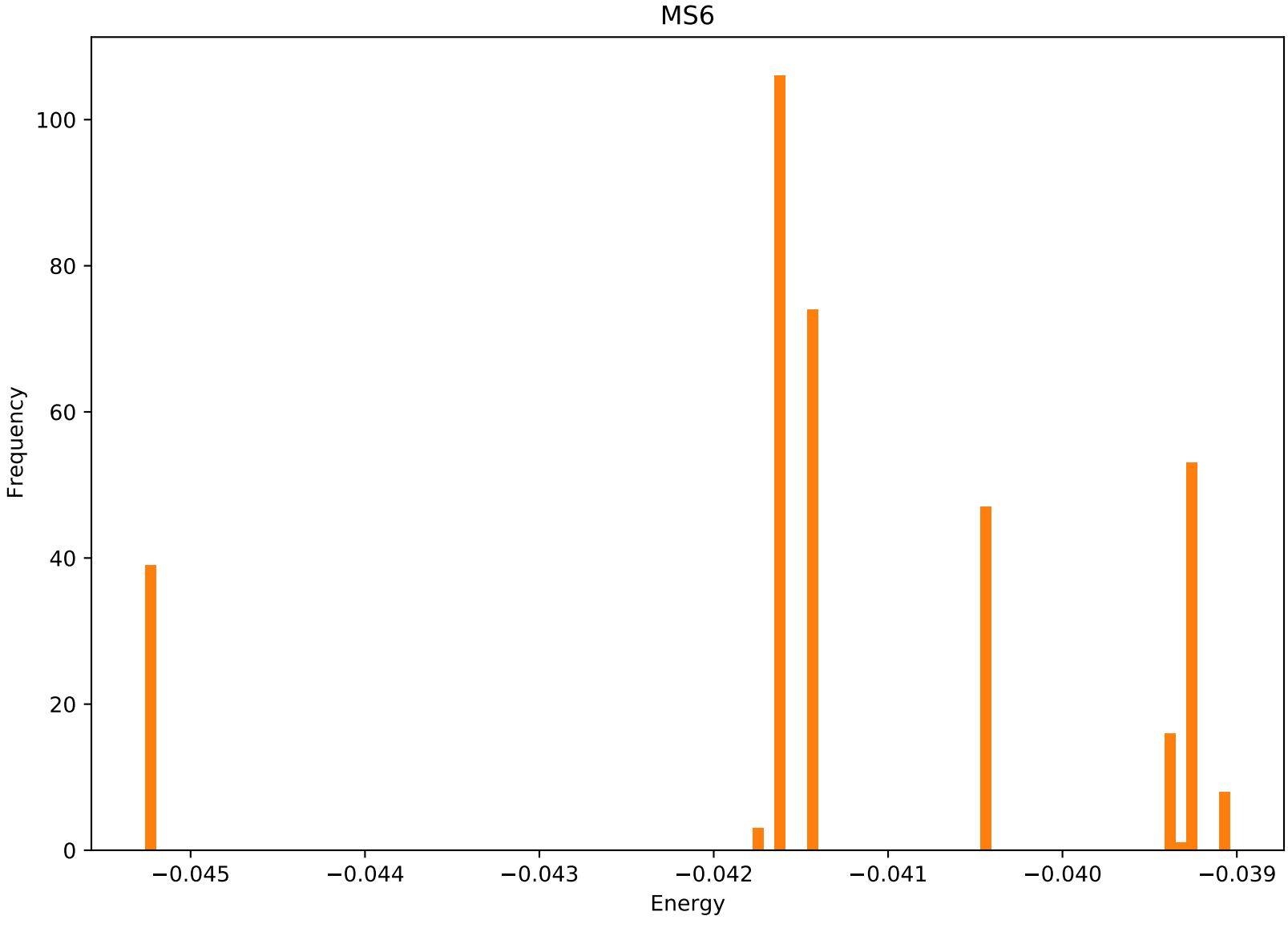

MS1
Frequency
Energy
0
50
100
150
200
250
1.2
1.4
1.6
1.8
2.0

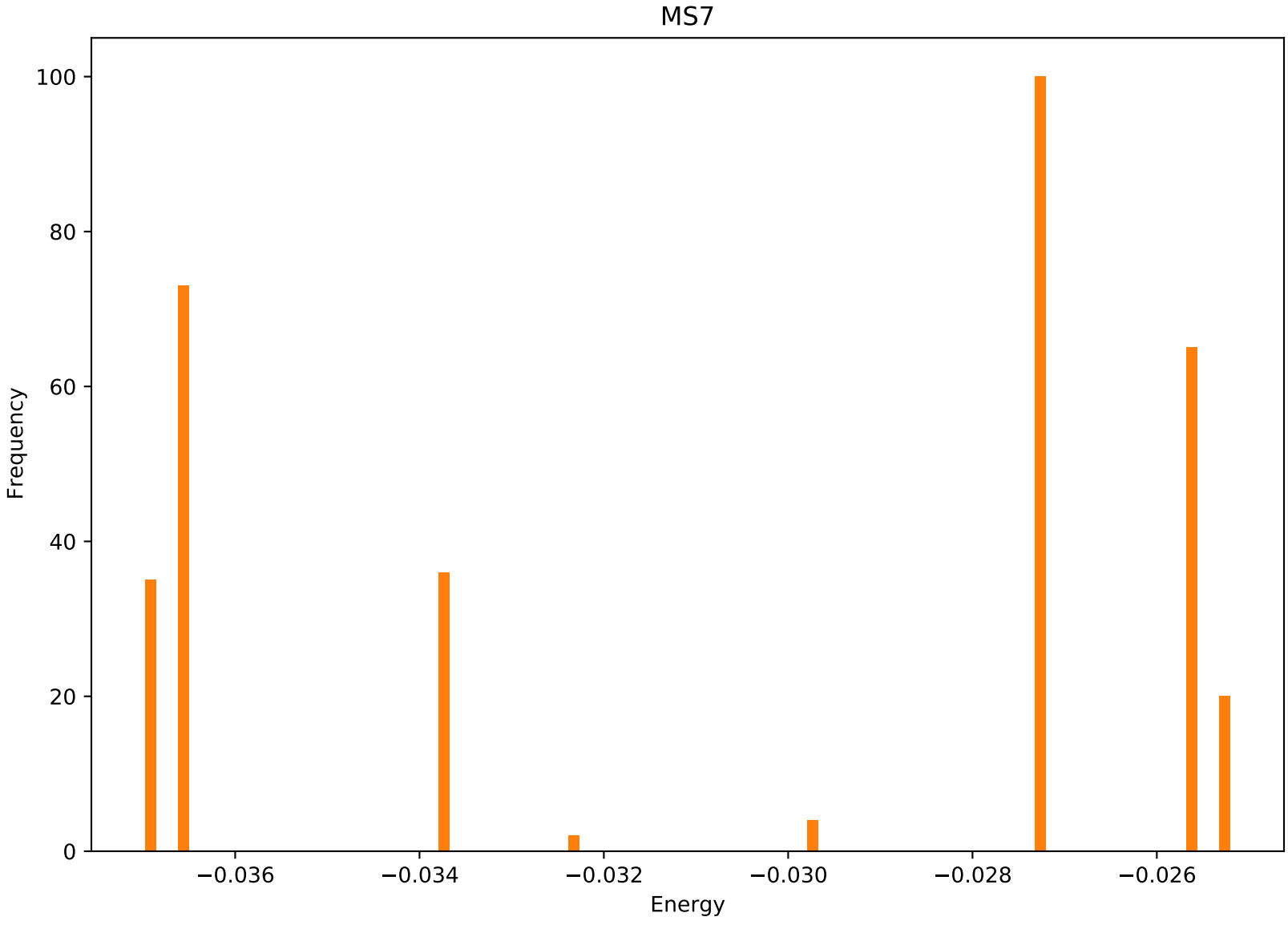

MS2
Frequency
Energy
0
20
40
60
80
100
120
140
160
−0.96
−0.95
−0.94
−0.93
−0.92
−0.91
−0.90
−0.89

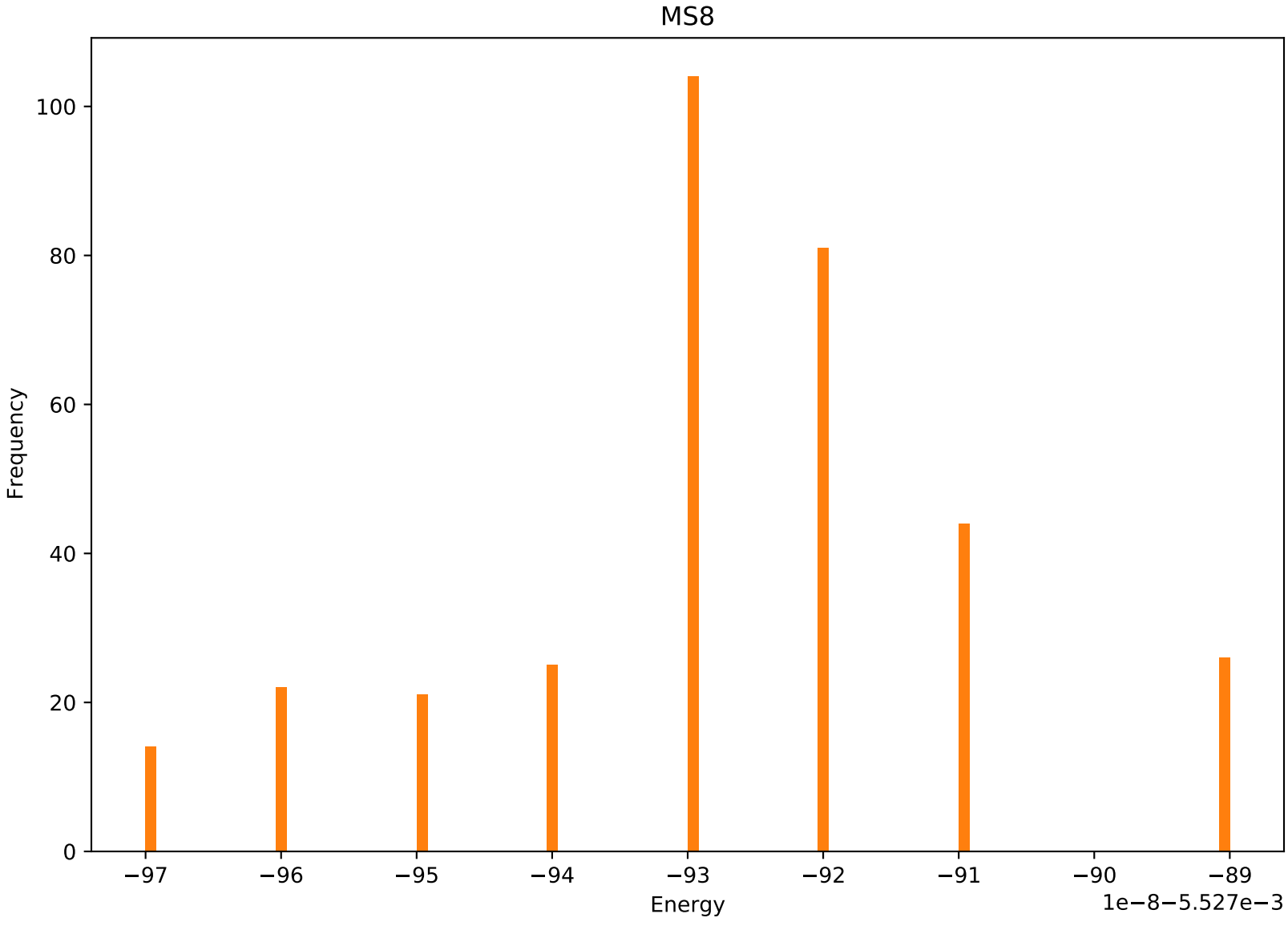

MS3
Frequency
120
100
80
60
40
20
0
−9.7
−9.6
−9.5
−9.4
−9.3
−9.2
−9.1
Energy
Baseline: -5.57173

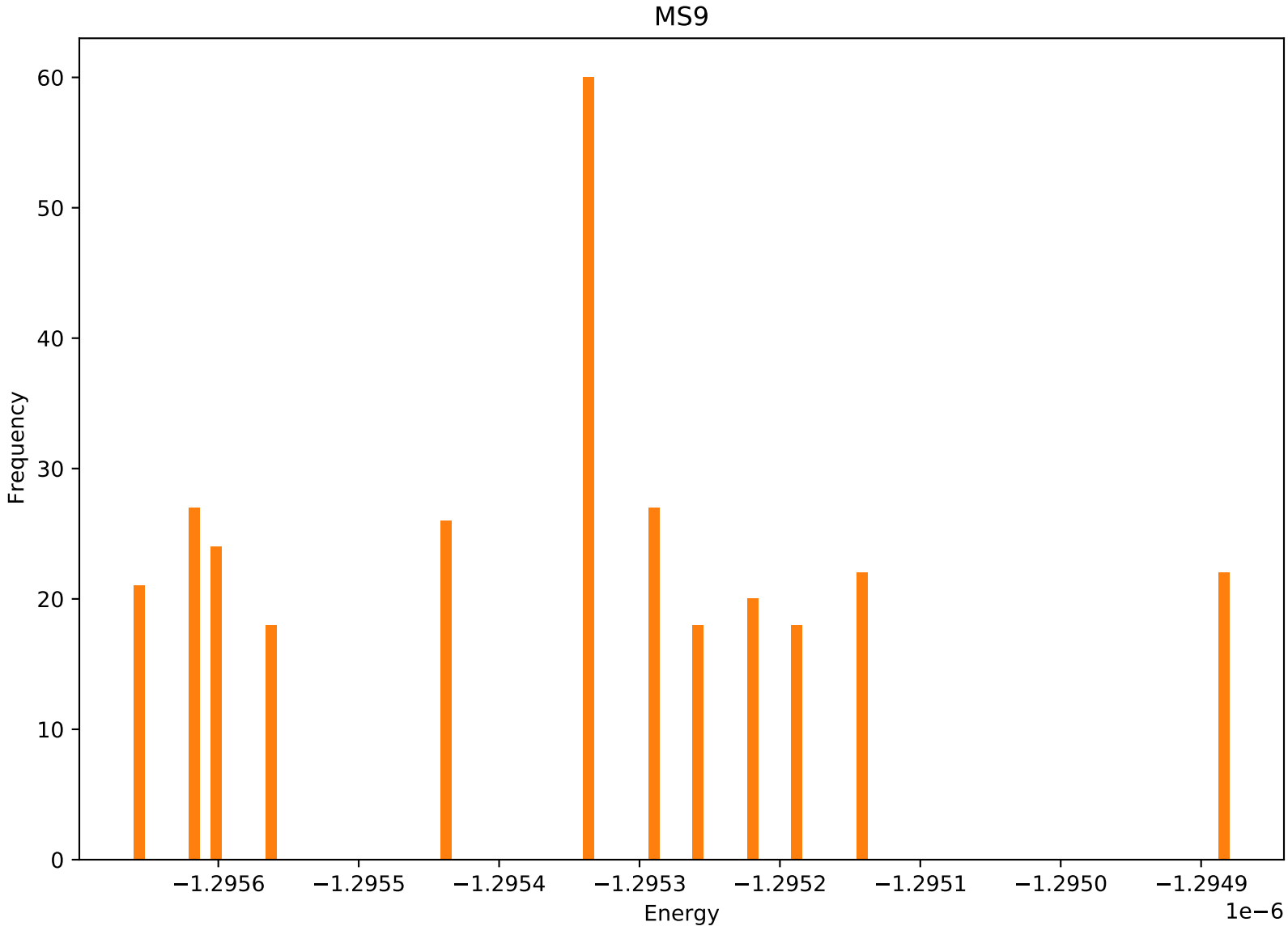

MS4
Frequency
160
140
120
100
80
60
40
20
0
−3.0
−2.9
−2.8
−2.7
−2.6
Energy

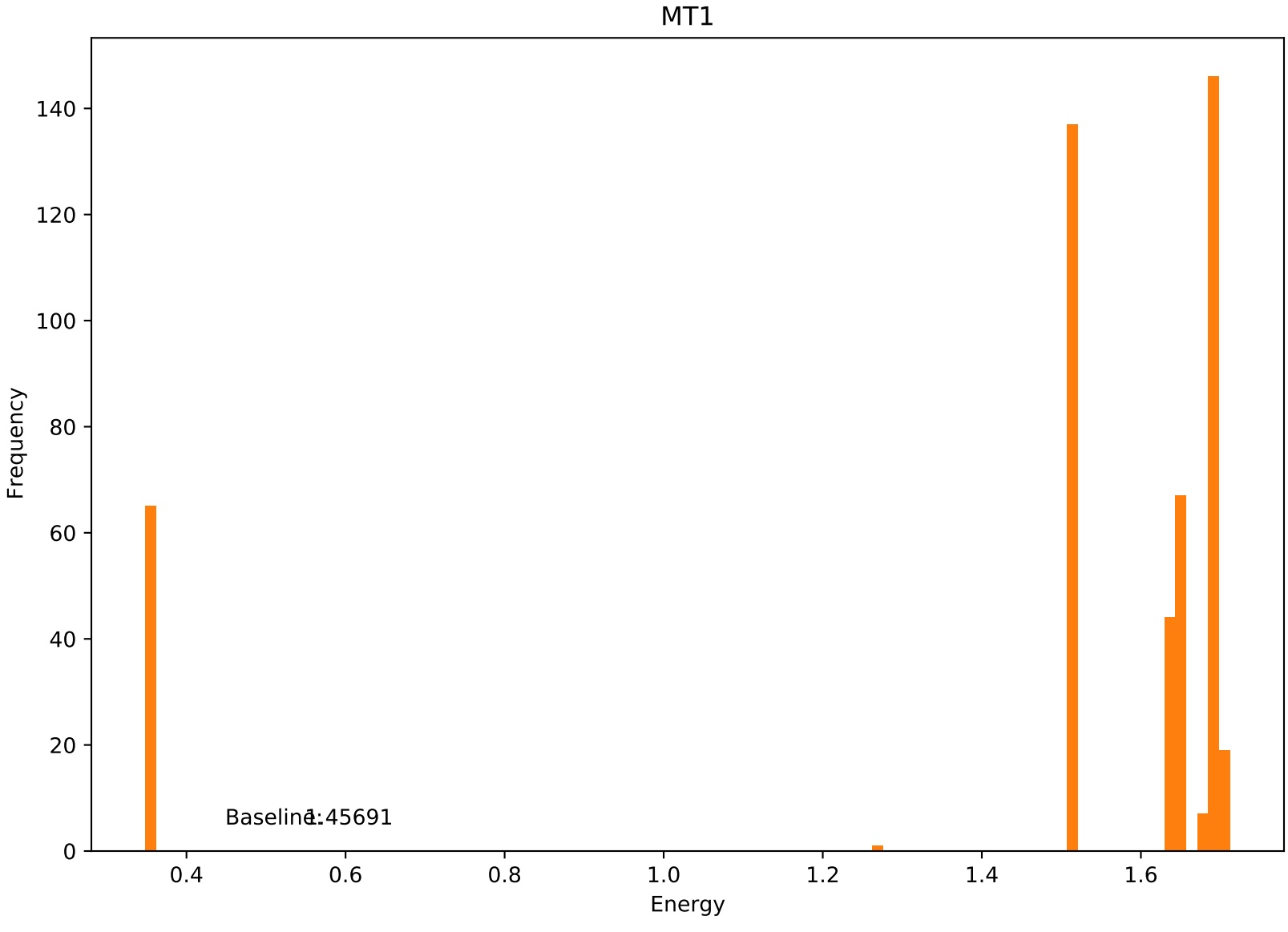

MS5
Frequency
120
100
80
60
40
20
0
−0.155
−0.150
−0.145
−0.140
−0.135
−0.130
−0.125
Energy

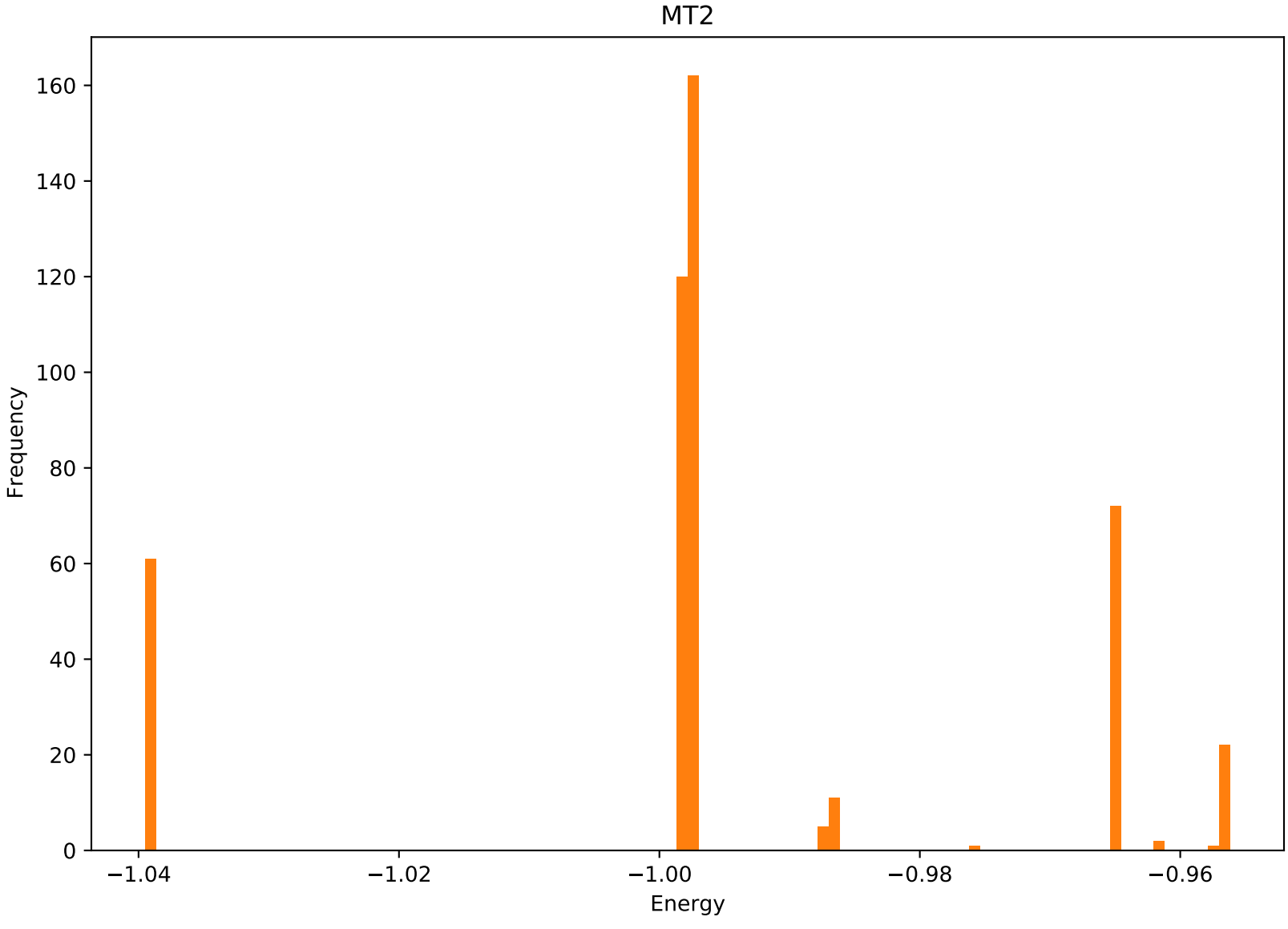

MS6
Frequency
Energy
0
20
40
60
80
100
−0.045
−0.044
−0.043
−0.042
−0.041
−0.040
−0.039

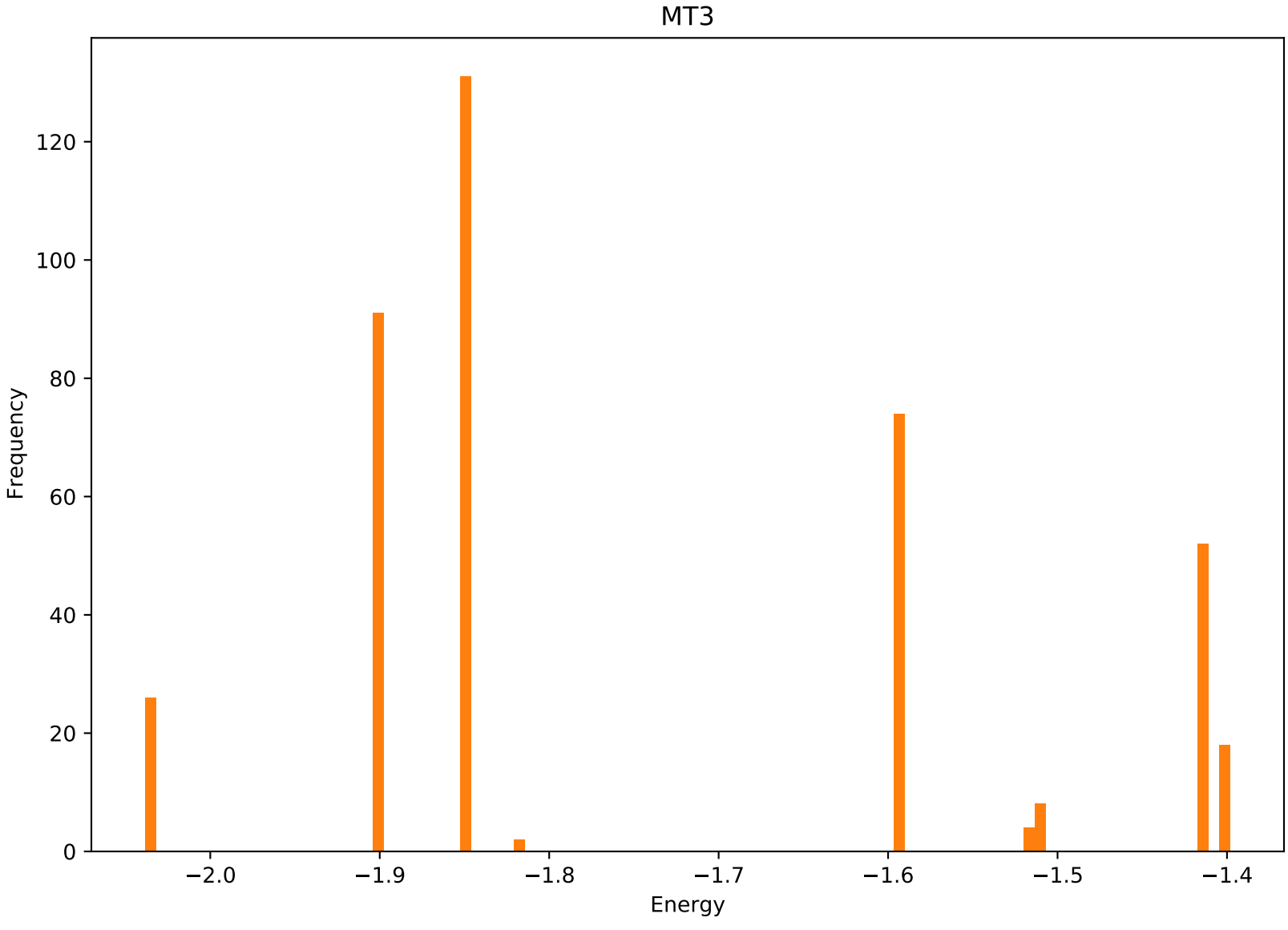

MS7
Frequency
Energy
0
20
40
60
80
100
−0.036
−0.034
−0.032
−0.030
−0.028
−0.026

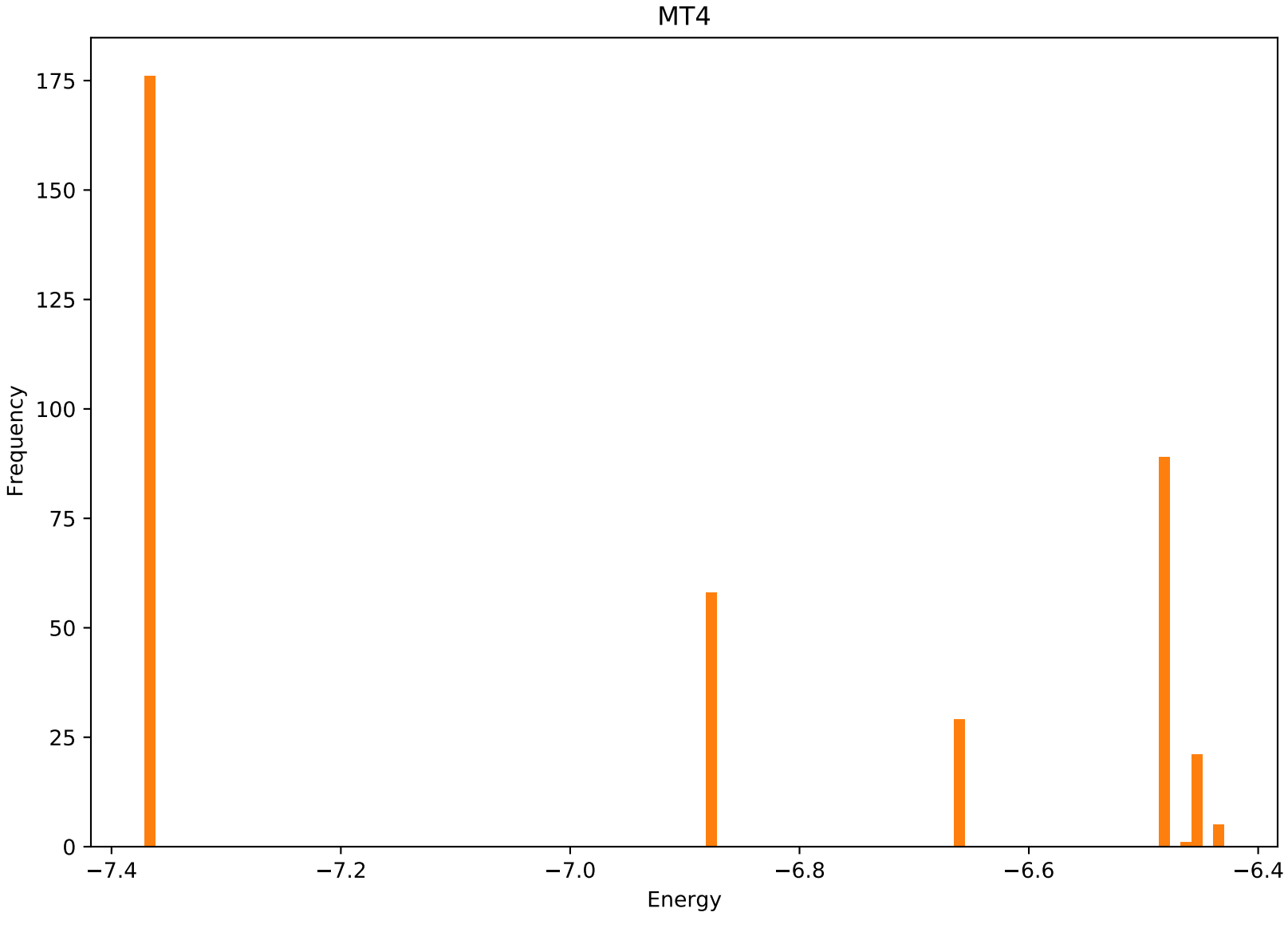

MS8
Frequency
100
80
60
40
20
0
−97
−96
−95
−94
−93
−92
−91
−90
−89
Energy
1e−8−5.527e−3

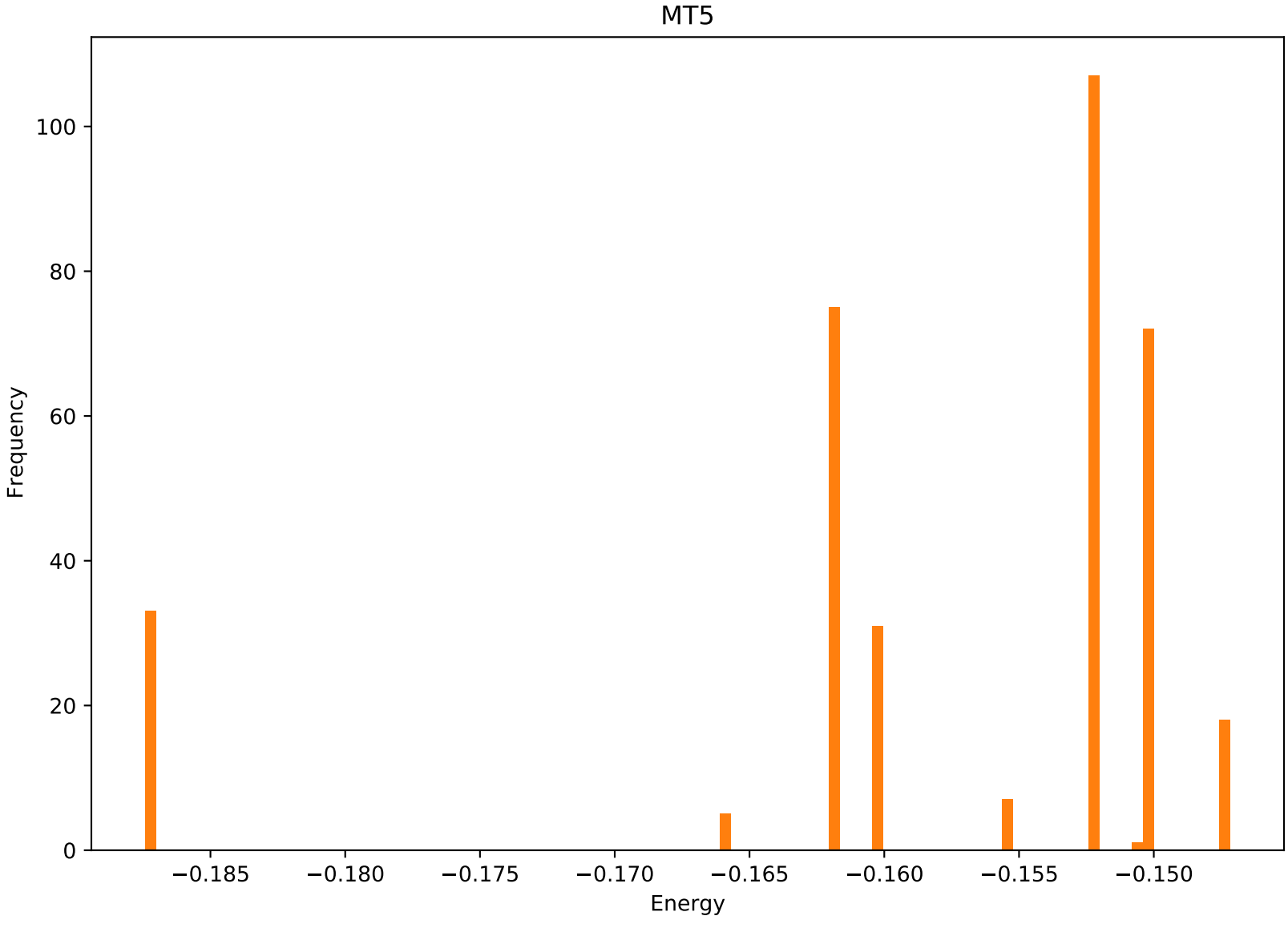

MS9
Frequency
0
10
20
30
40
50
60
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

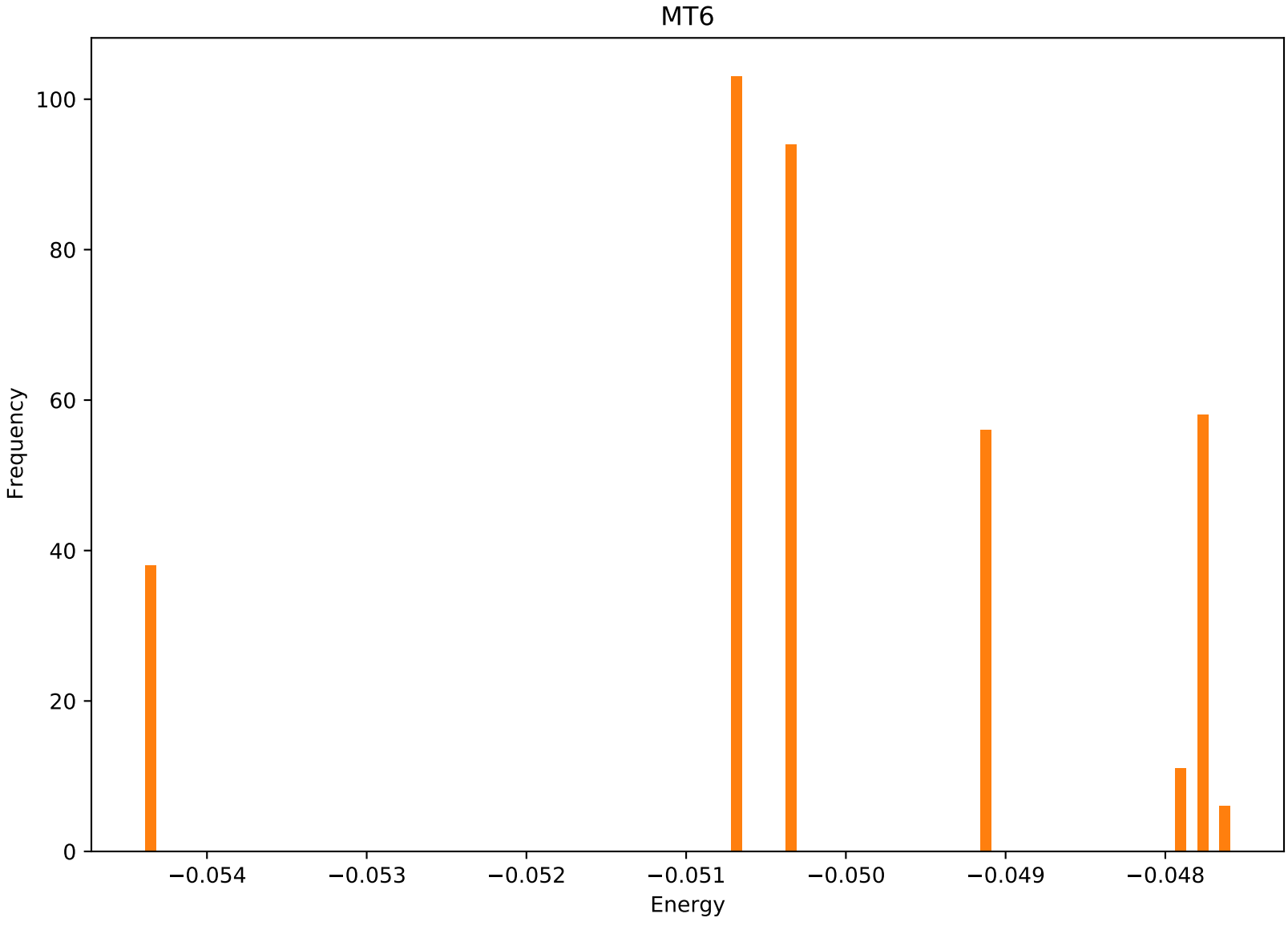

MT1
Frequency
Energy
0
20
40
60
80
100
120
140
0.4
0.6
0.8
1.0
1.2
1.4
1.6
Baseline: 1.45691

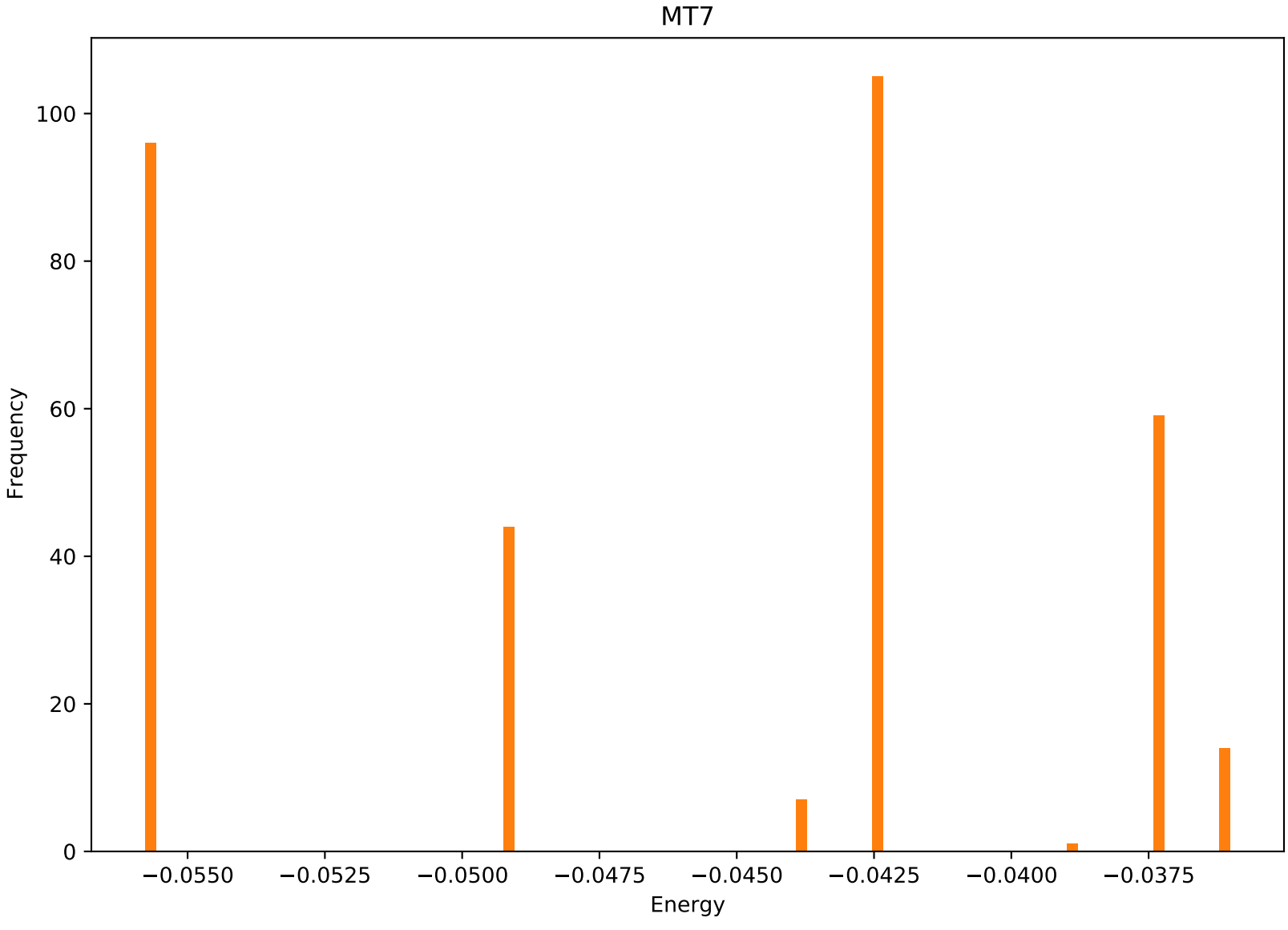

MT2
Frequency
Energy
0
20
40
60
80
100
120
140
160
−1.04
−1.02
−1.00
−0.98
−0.96

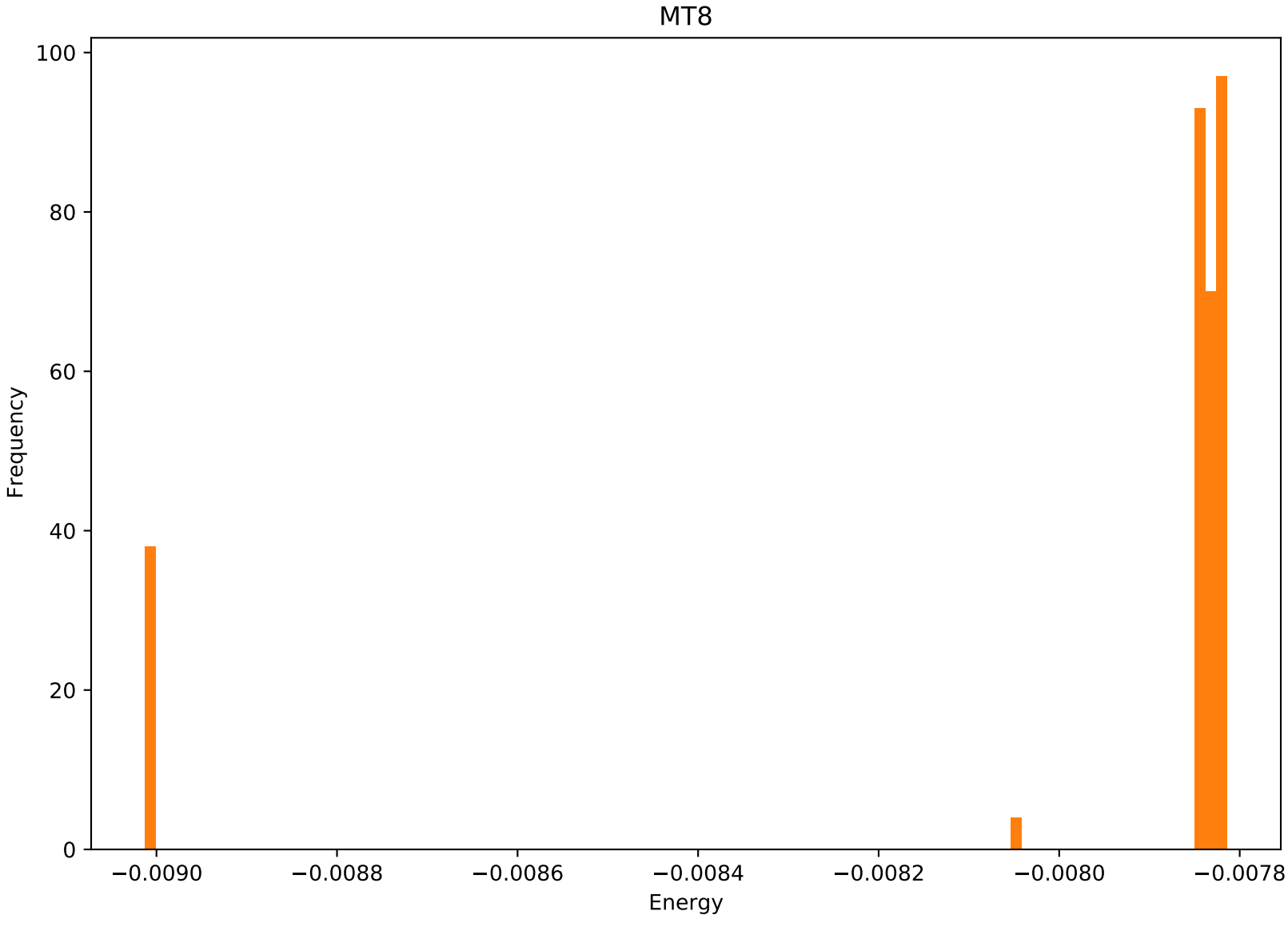

MT3
Frequency
Energy
0
20
40
60
80
100
120
−2.0
−1.9
−1.8
−1.7
−1.6
−1.5
−1.4

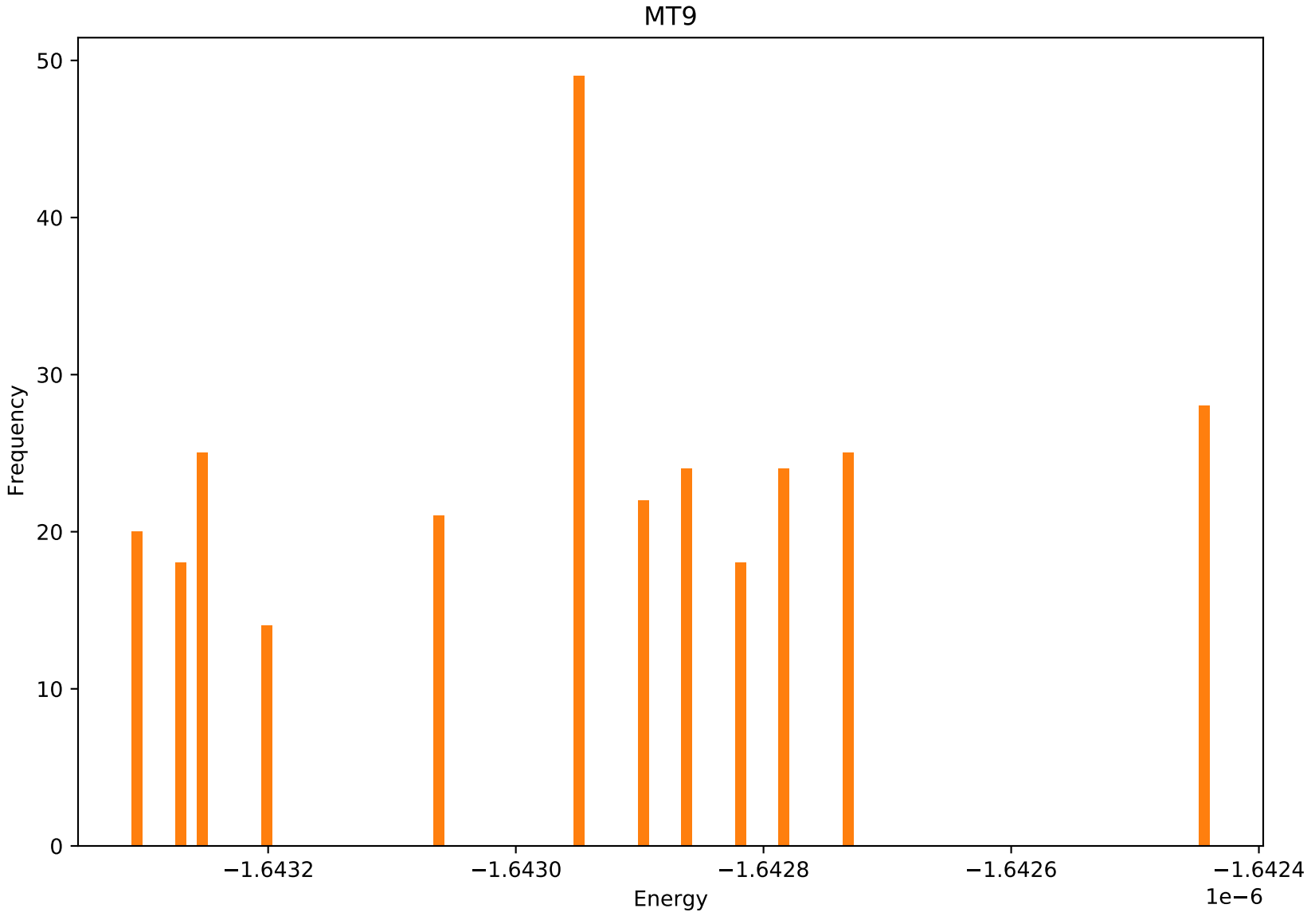

MT4
Frequency
Energy
175
150
125
100
75
50
25
0
−7.4
−7.2
−7.0
−6.8
−6.6
−6.4

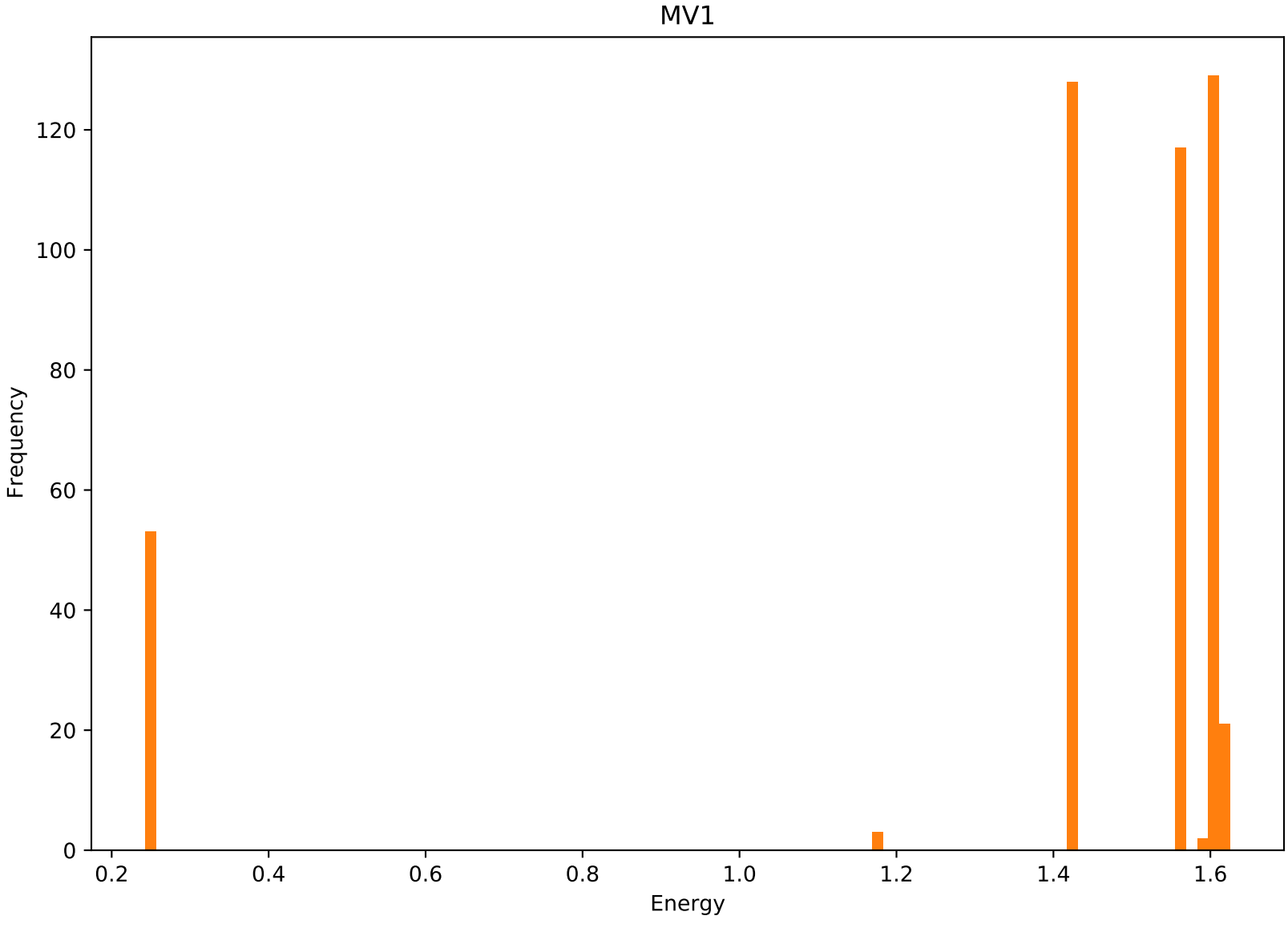

MT5
Frequency
Energy
0
20
40
60
80
100
−0.185
−0.180
−0.175
−0.170
−0.165
−0.160
−0.155
−0.150

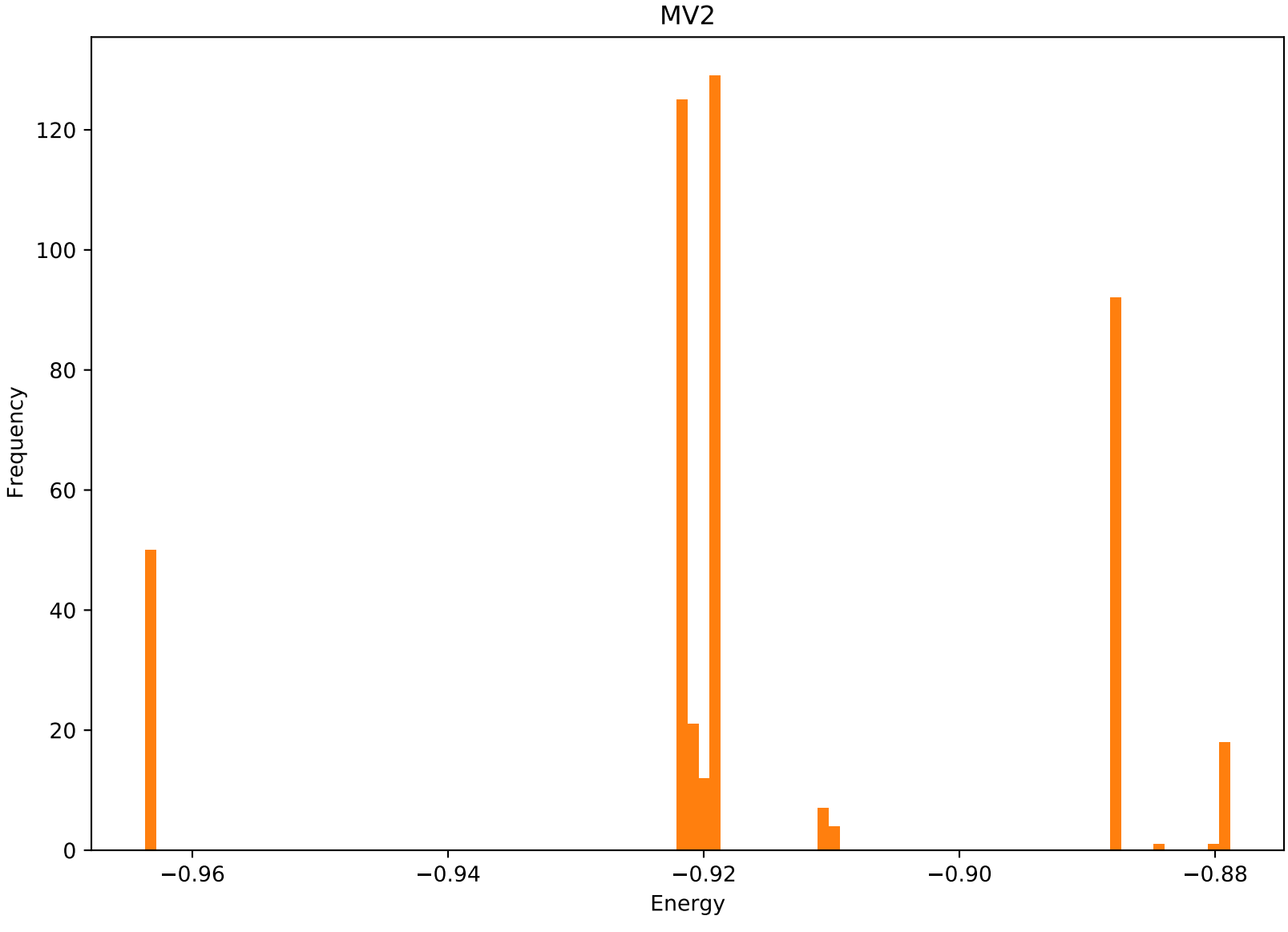

MT6
Frequency
Energy
0
20
40
60
80
100
−0.054
−0.053
−0.052
−0.051
−0.050
−0.049
−0.048

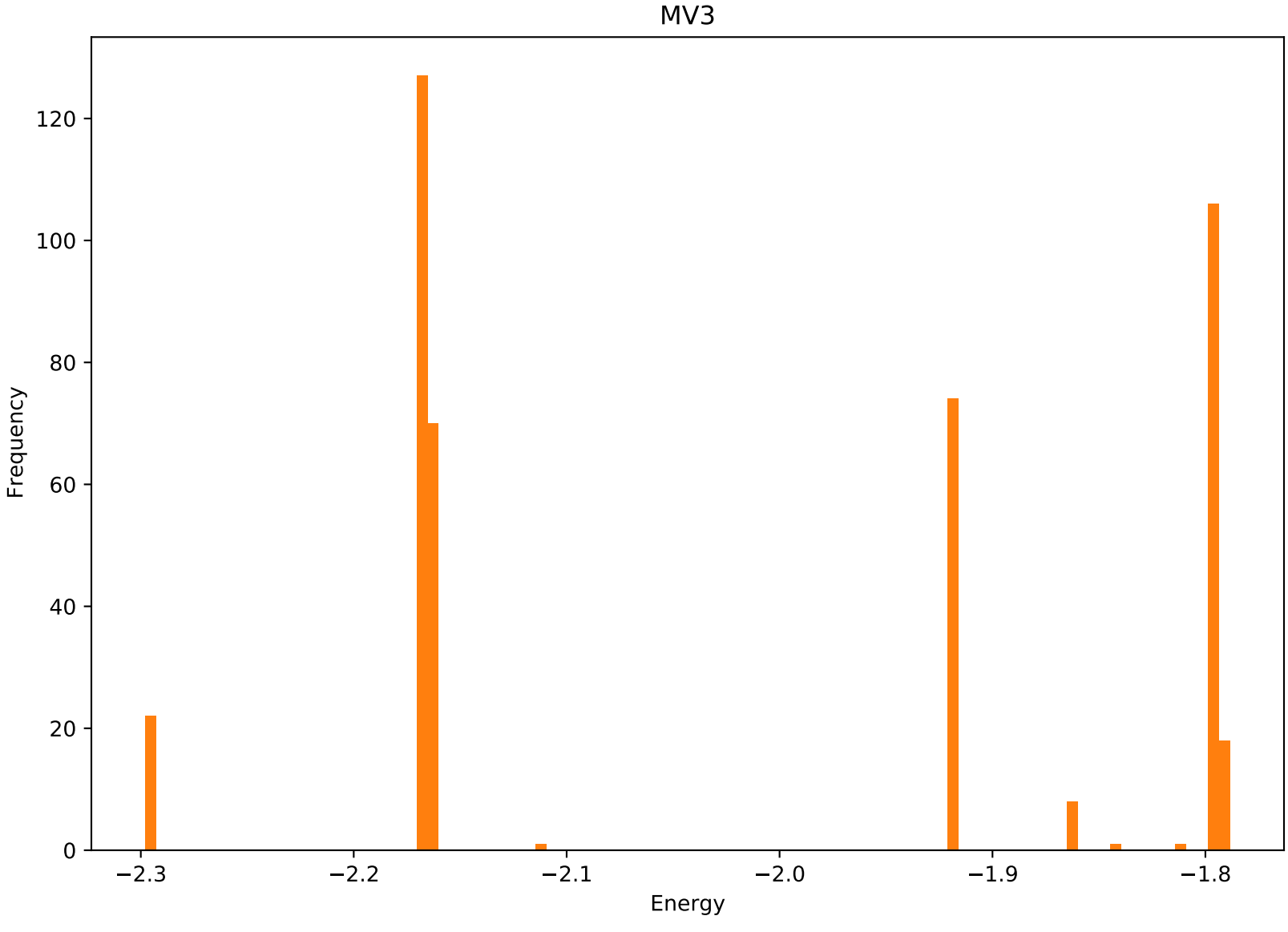

MT7
Frequency
Energy
0
20
40
60
80
100
−0.0550
−0.0525
−0.0500
−0.0475
−0.0450
−0.0425
−0.0400
−0.0375

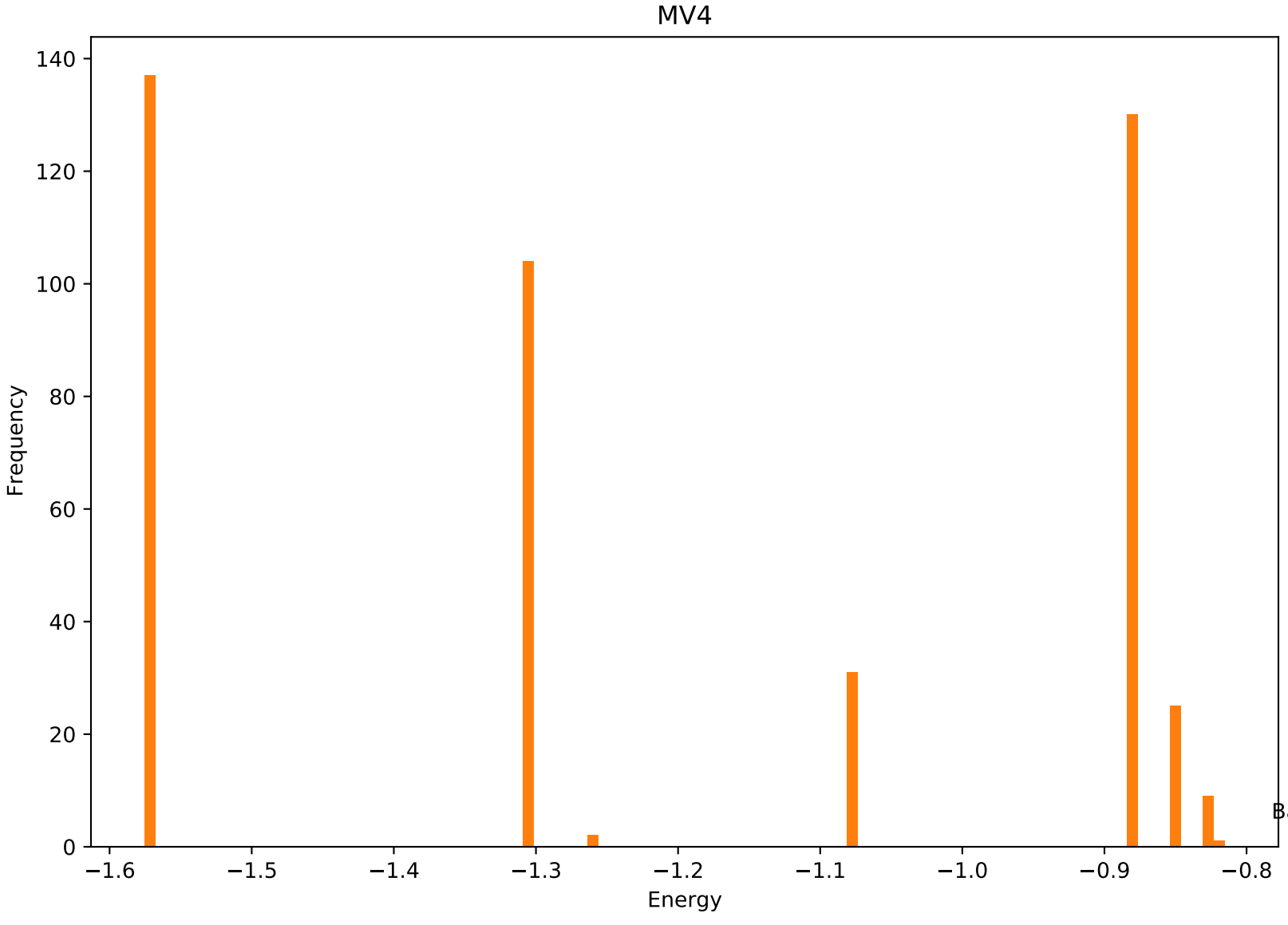

MT8
Frequency
Energy
0
20
40
60
80
100
−0.0090
−0.0088
−0.0086
−0.0084
−0.0082
−0.0080
−0.0078


MT9
Frequency
0
10
20
30
40
50
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
1e−6
Energy

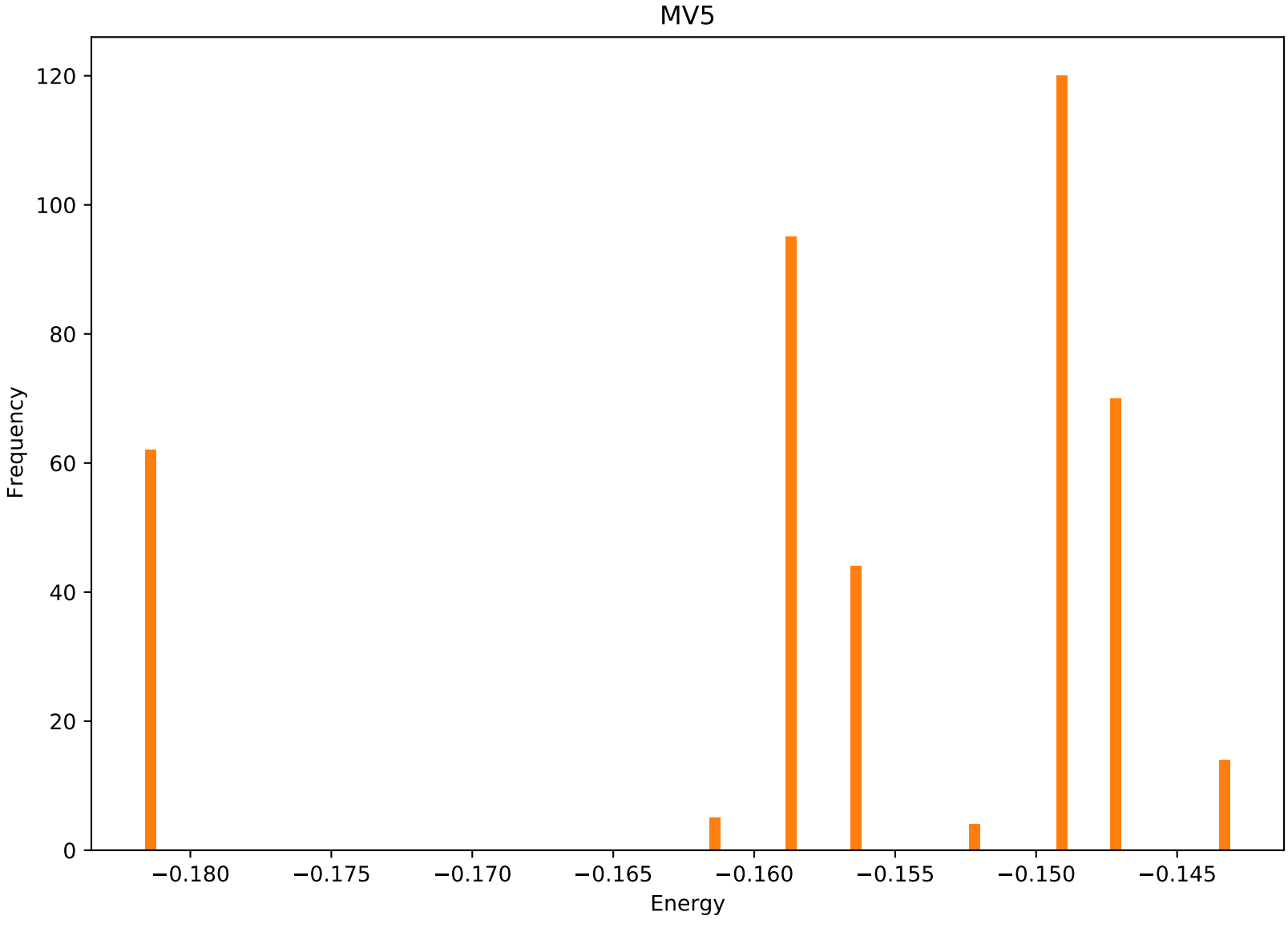

MV1
Frequency
Energy
0
20
40
60
80
100
120
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6

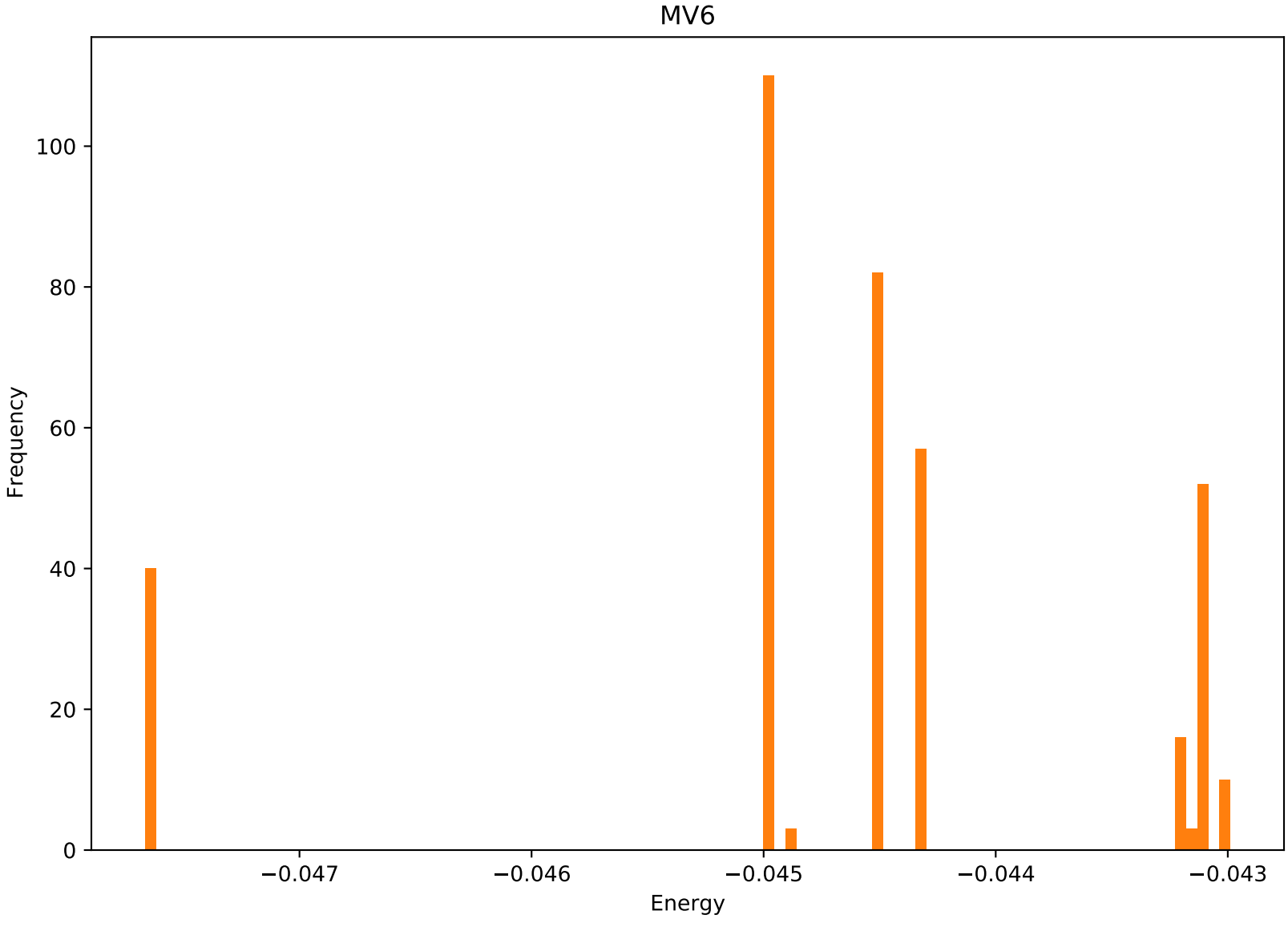

MV2
Frequency
120
100
80
60
40
20
0
−0.96
−0.94
−0.92
−0.90
−0.88
Energy

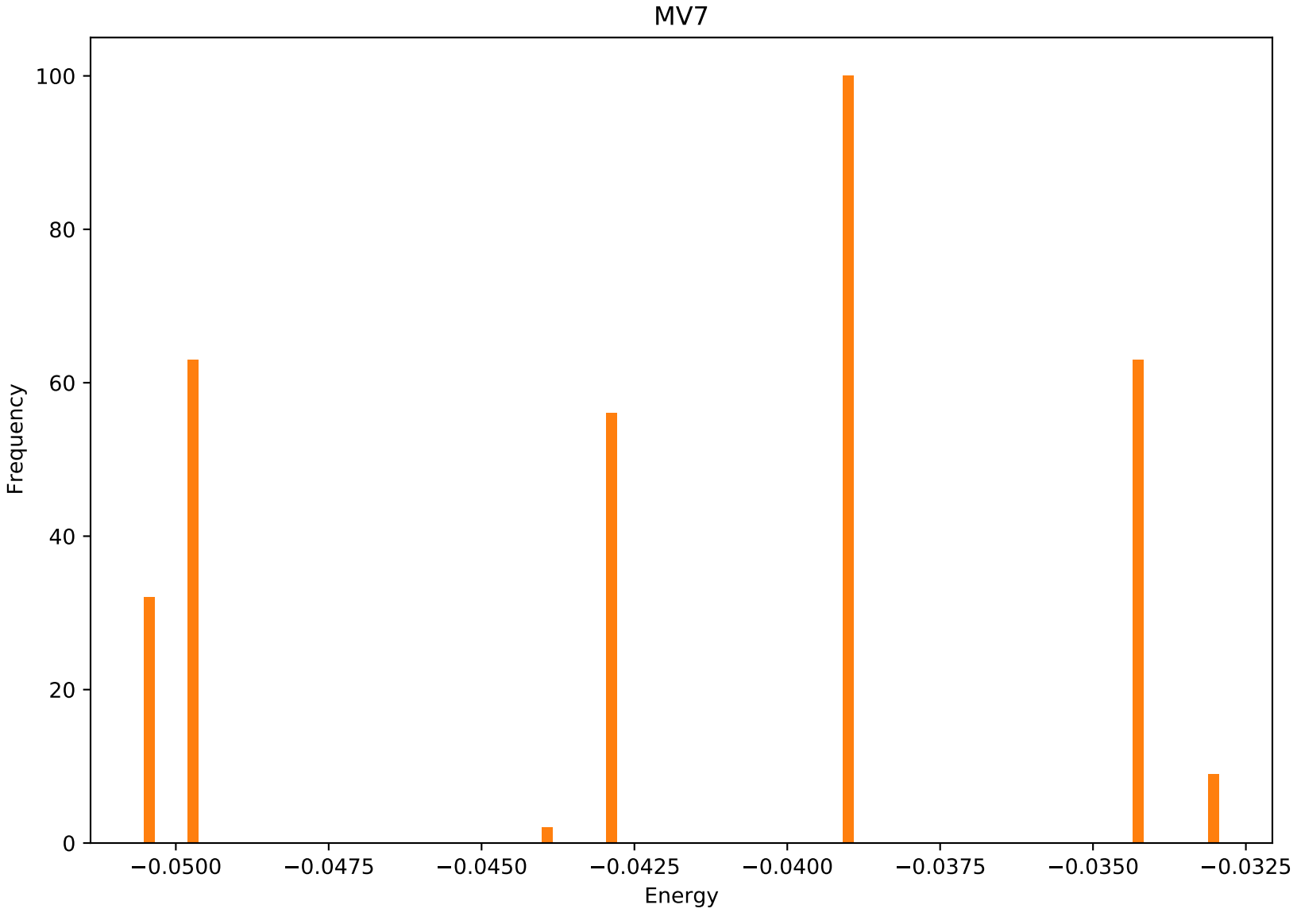

MV3
Frequency
Energy
0
20
40
60
80
100
120
−2.3
−2.2
−2.1
−2.0
−1.9
−1.8

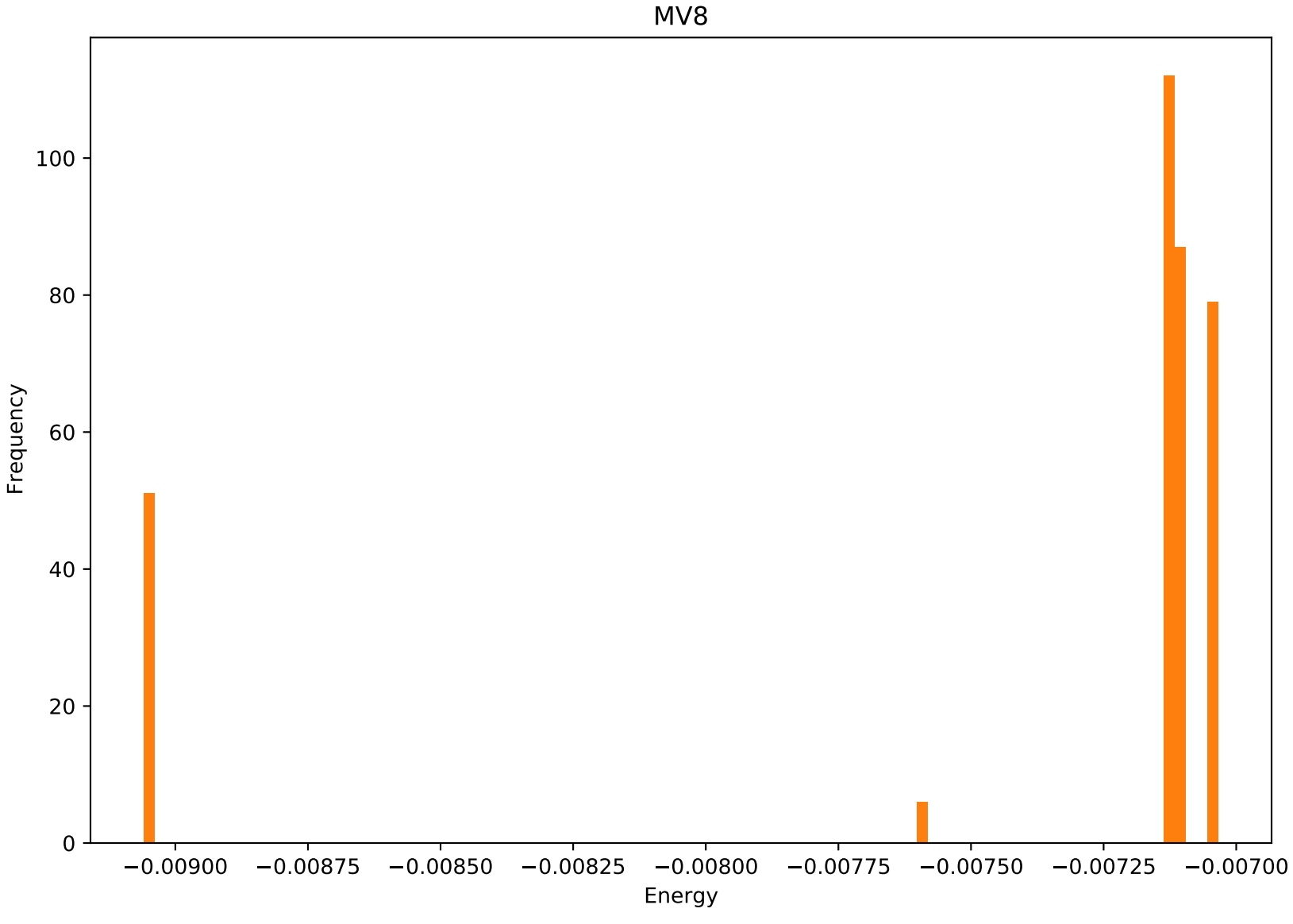

MV4
Frequency
Energy
0
20
40
60
80
100
120
140
−1.6
−1.5
−1.4
−1.3
−1.2
−1.1
−1.0
−0.9
−0.8

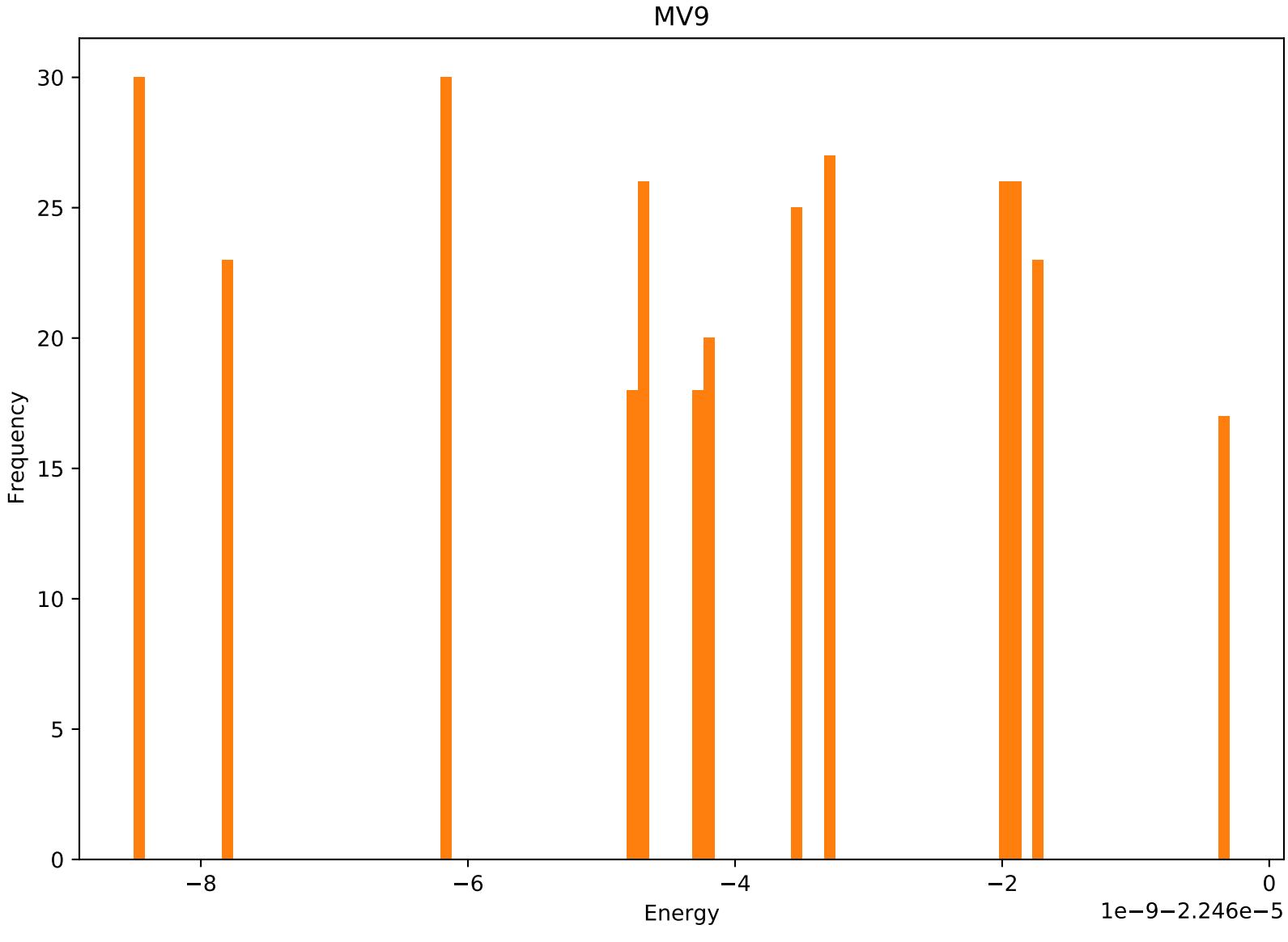
Baseline:

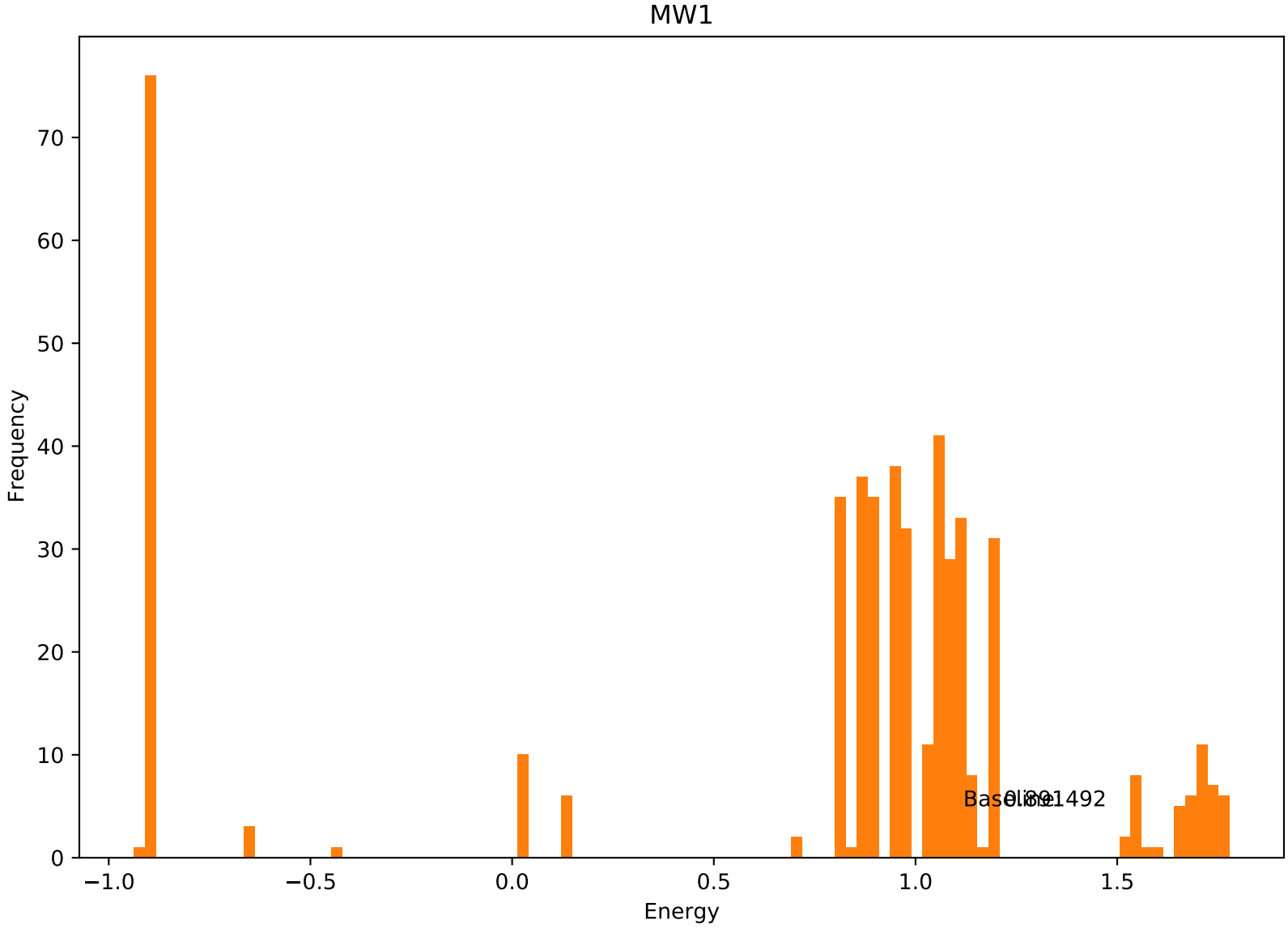

MV5
Frequency
Energy
0
20
40
60
80
100
120
−0.180
−0.175
−0.170
−0.165
−0.160
−0.155
−0.150
−0.145

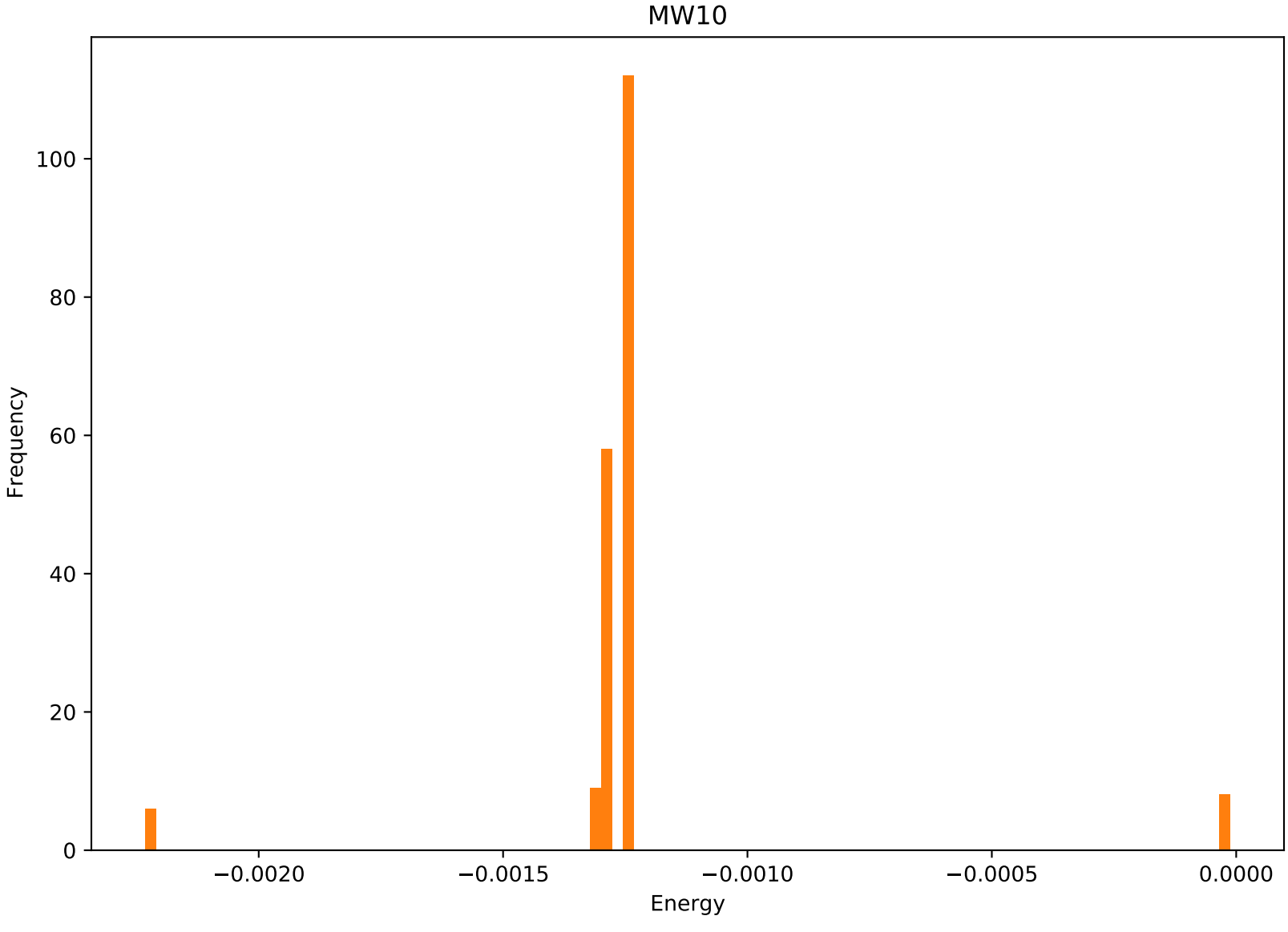

MV6
Frequency
0
20
40
60
80
100
−0.047
−0.046
−0.045
−0.044
−0.043
Energy

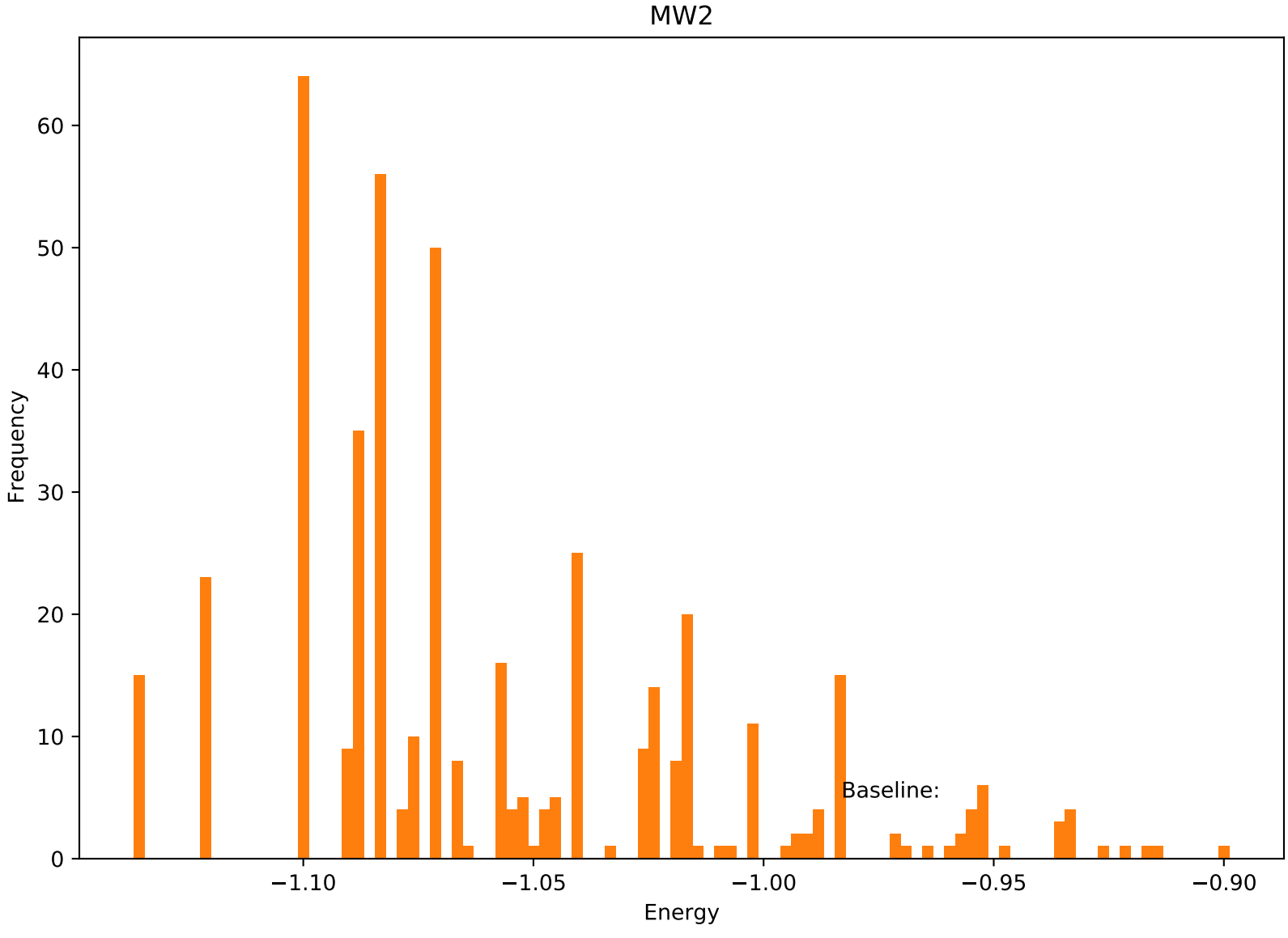

MV7
Frequency
Energy
0
20
40
60
80
100
−0.0500
−0.0475
−0.0450
−0.0425
−0.0400
−0.0375
−0.0350
−0.0325

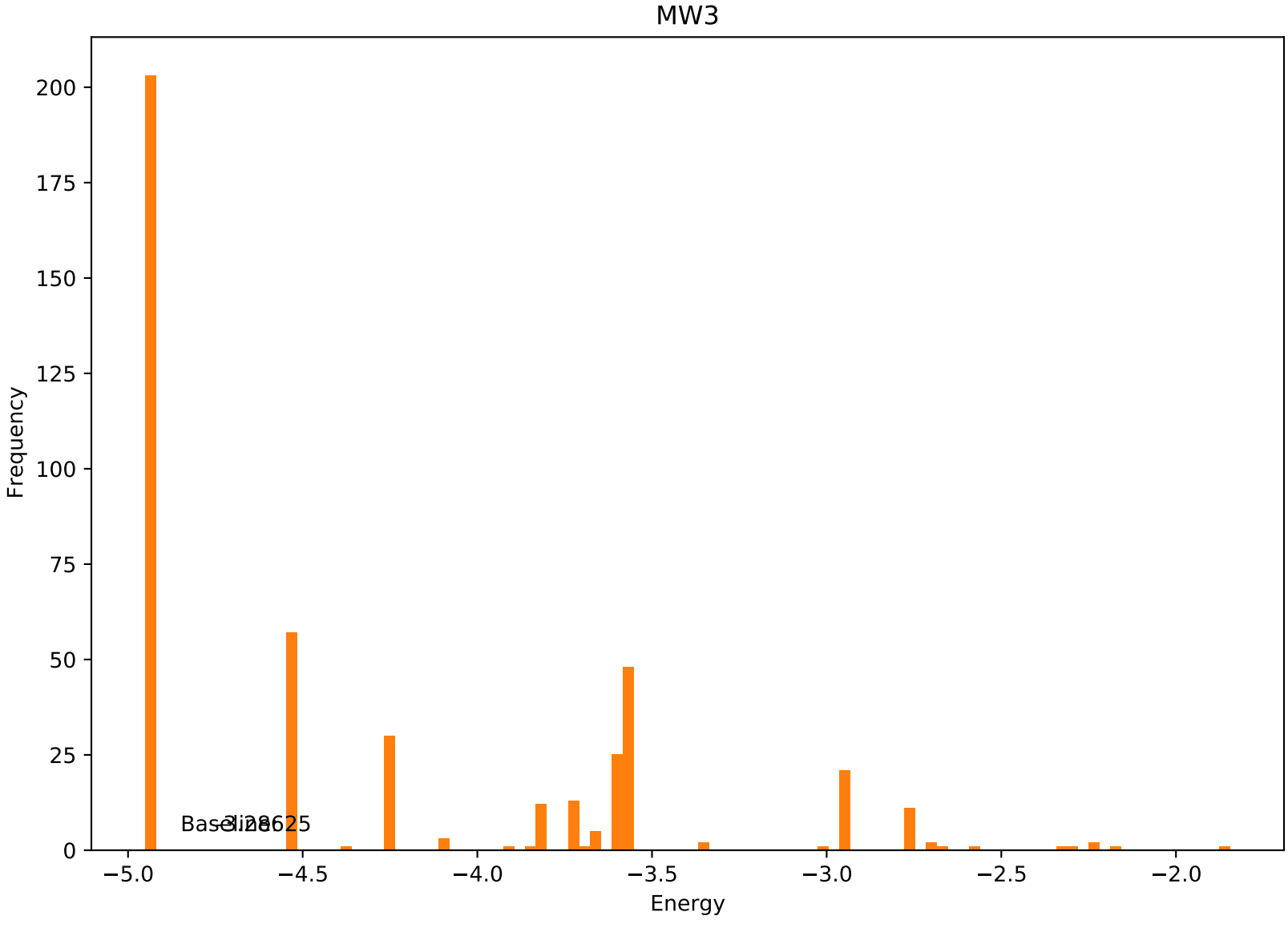

MV8
Frequency
0
20
40
60
80
100
−0.00900
−0.00875
−0.00850
−0.00825
−0.00800
−0.00775
−0.00750
−0.00725
−0.00700
Energy

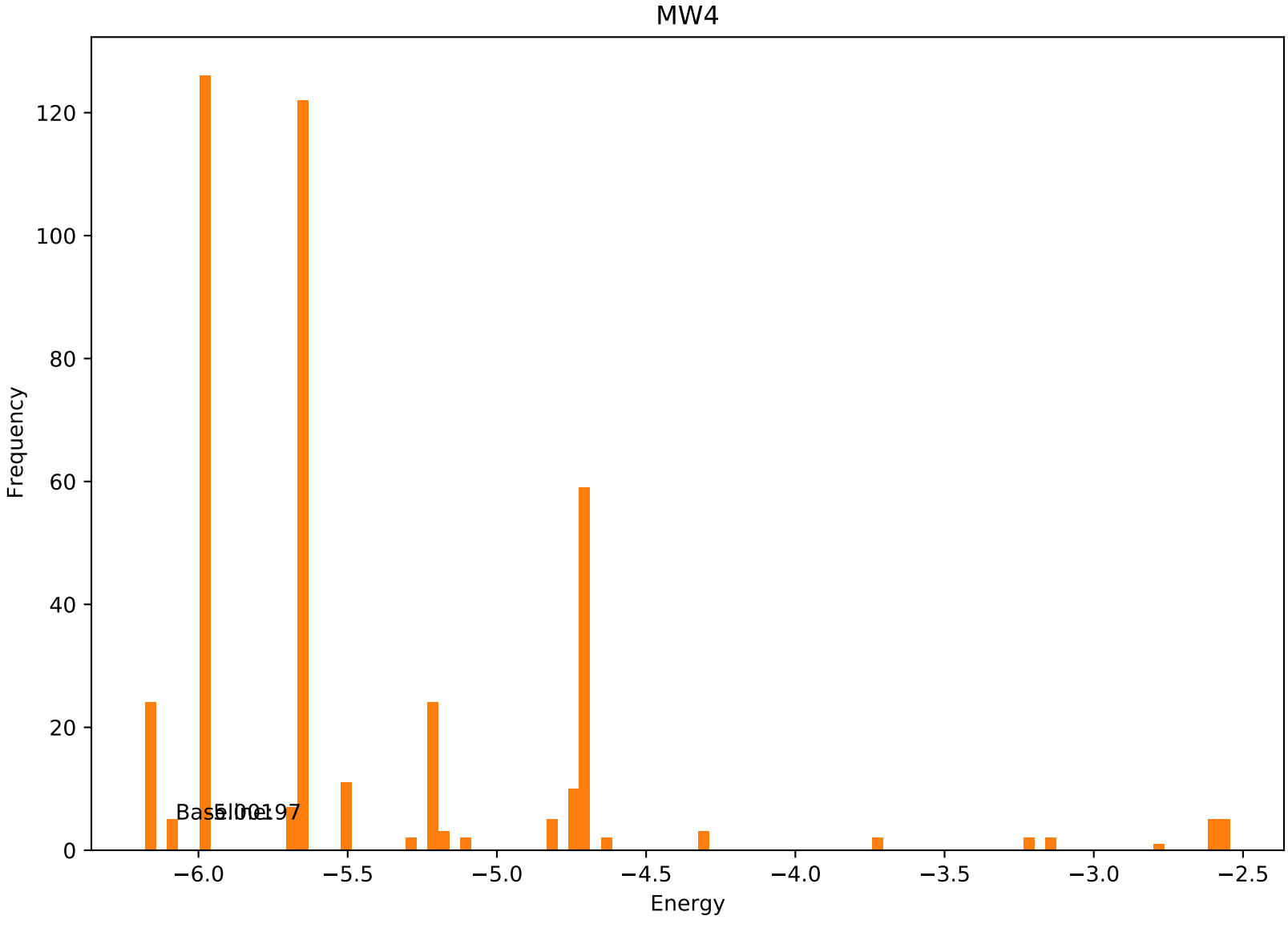

MV9
Frequency
30
25
20
15
10
5
0
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

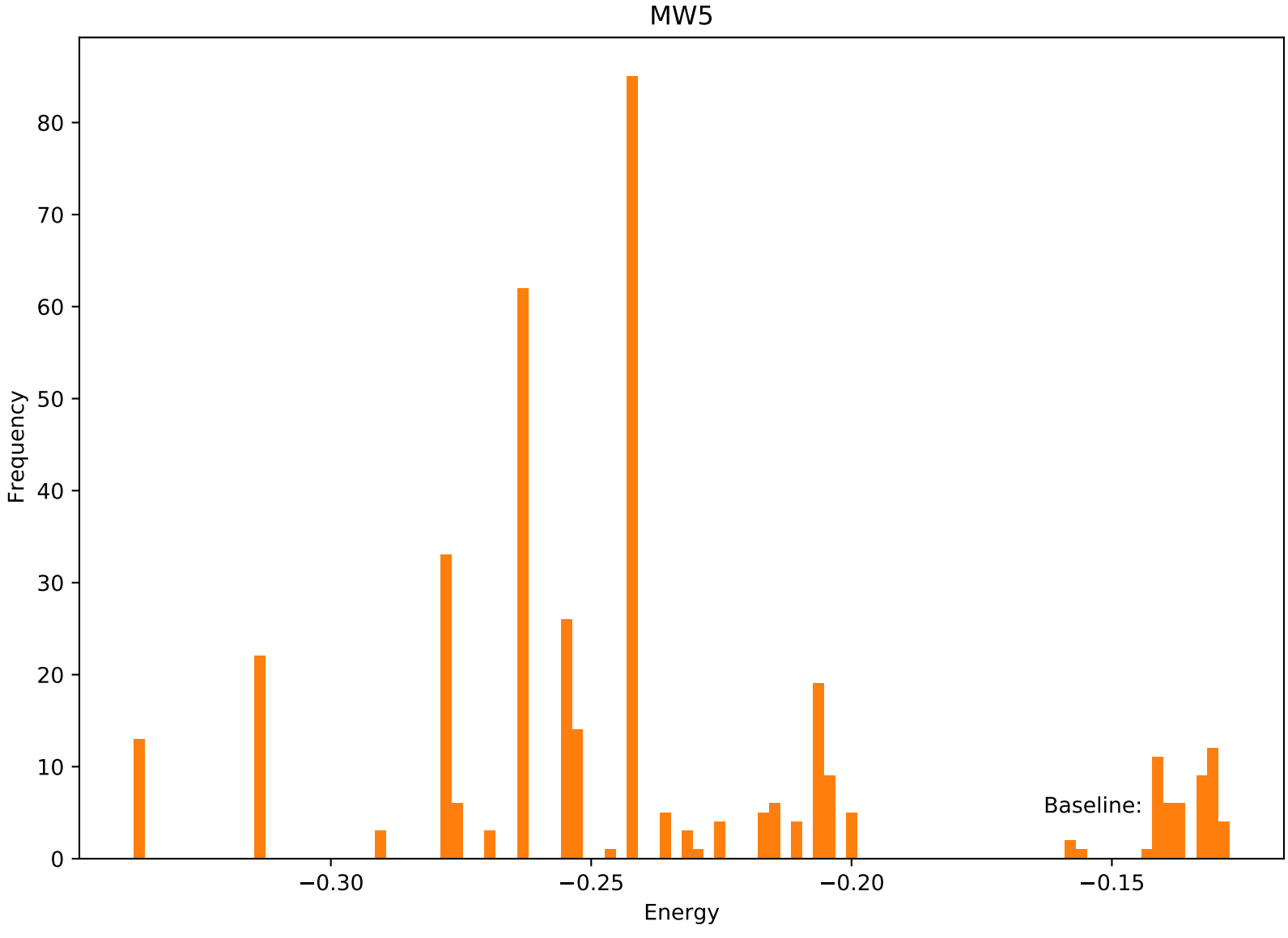

MW1
Frequency
Energy
0
10
20
30
40
50
60
70
−1.0
−0.5
0.0
0.5
1.0
1.5
Baseline1492

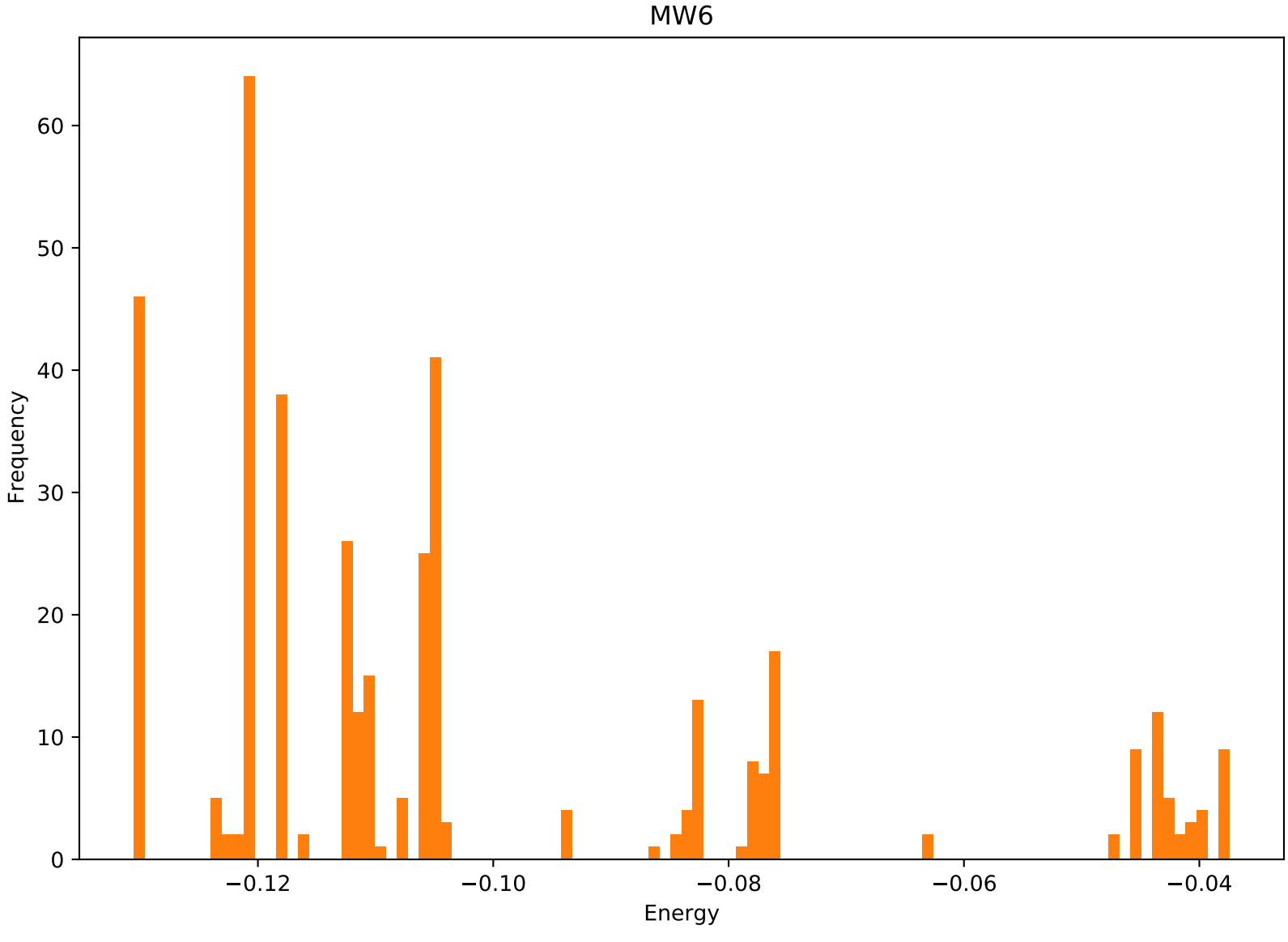

MW10
Frequency
Energy
0
20
40
60
80
100
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

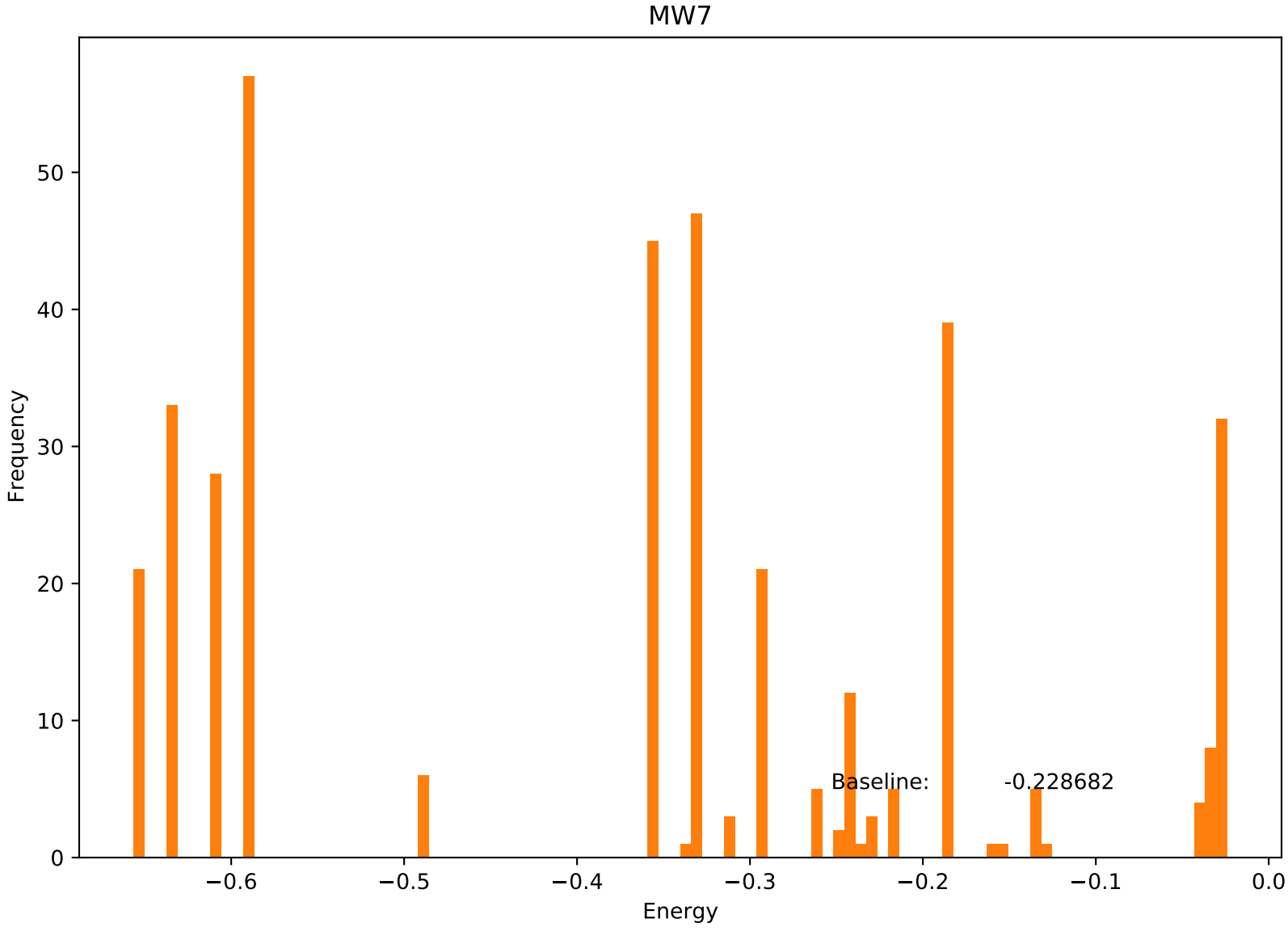

MW2
Frequency
Energy
Baseline:
0
10
20
30
40
50
60
−1.10
−1.05
−1.00
−0.95
−0.90

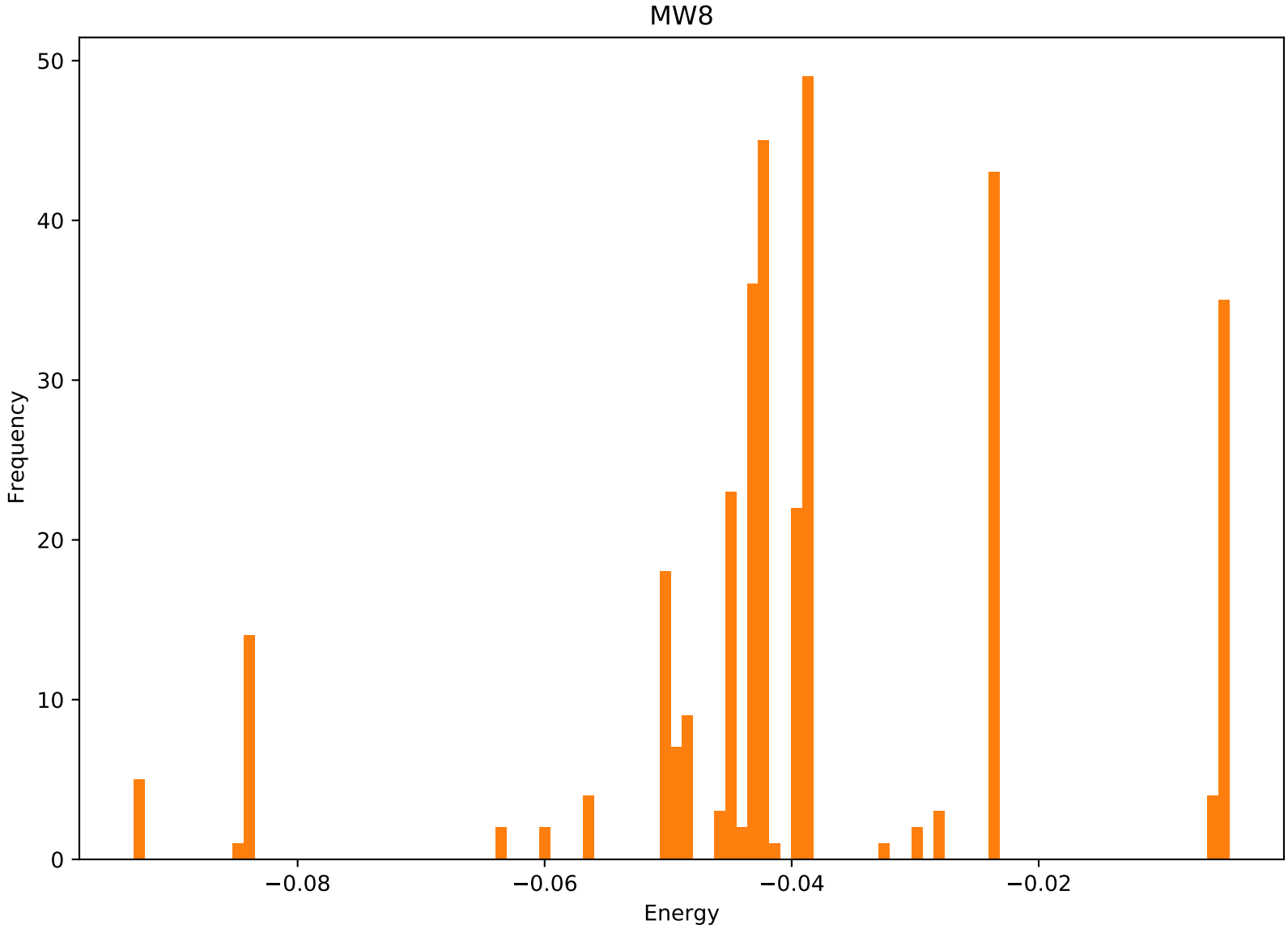

MW3
Frequency
Energy
200
175
150
125
100
75
50
25
0
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
−2.0

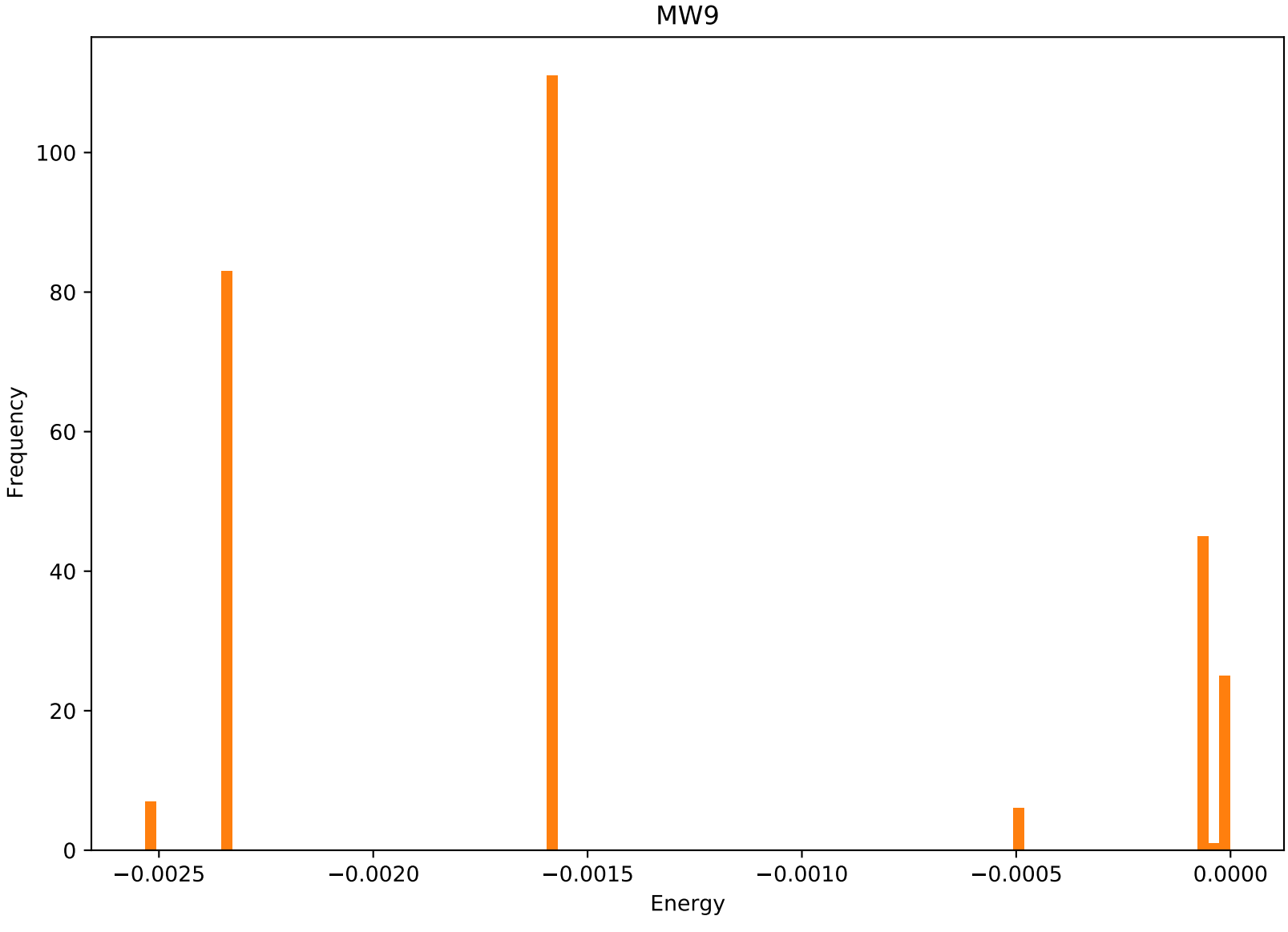

MW4
Frequency
Energy
0
20
40
60
80
100
120
−6.0
−5.5
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5

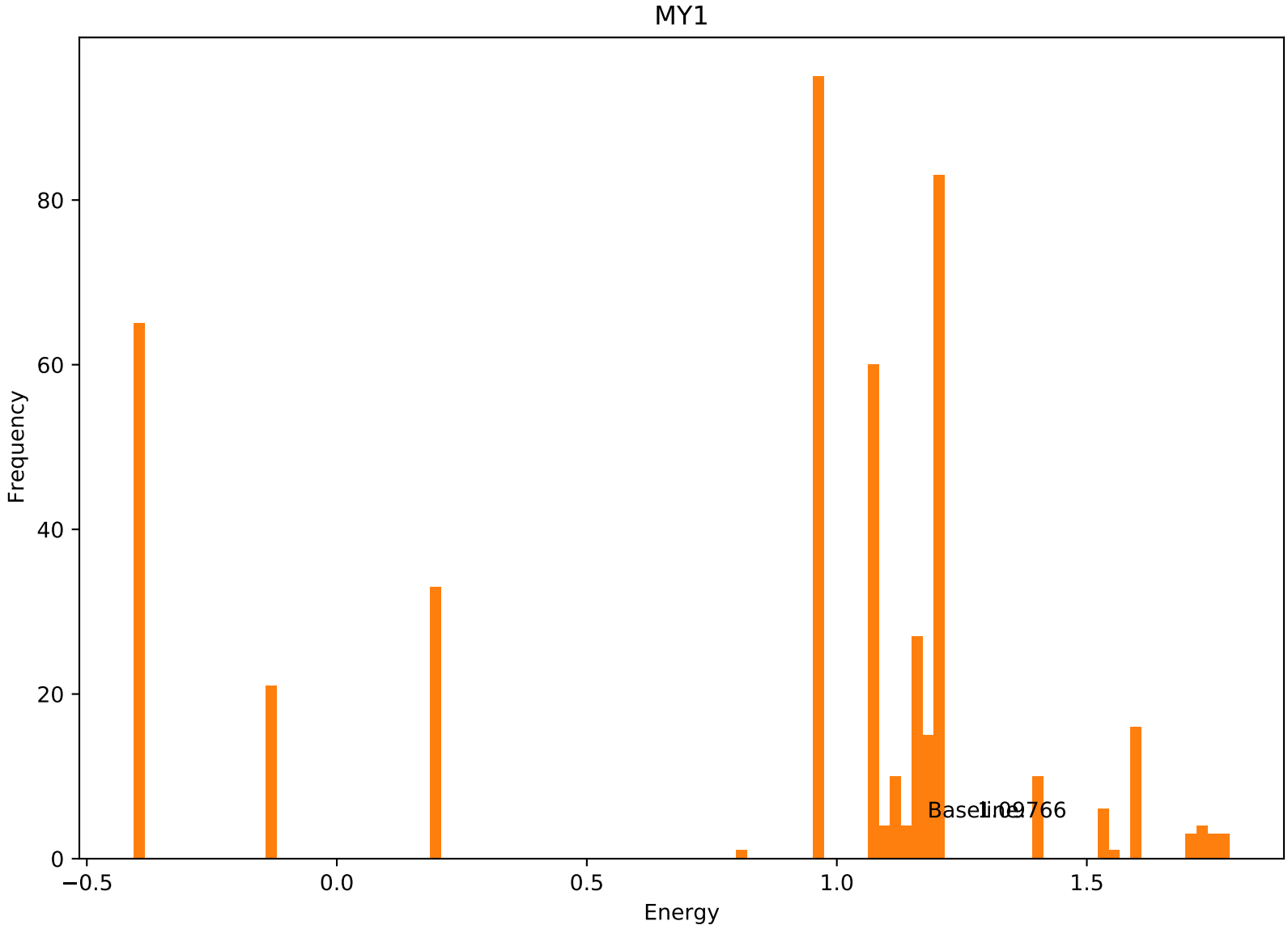

MW5
Frequency
Energy
Baseline:
0
10
20
30
40
50
60
70
80
−0.30
−0.25
−0.20
−0.15

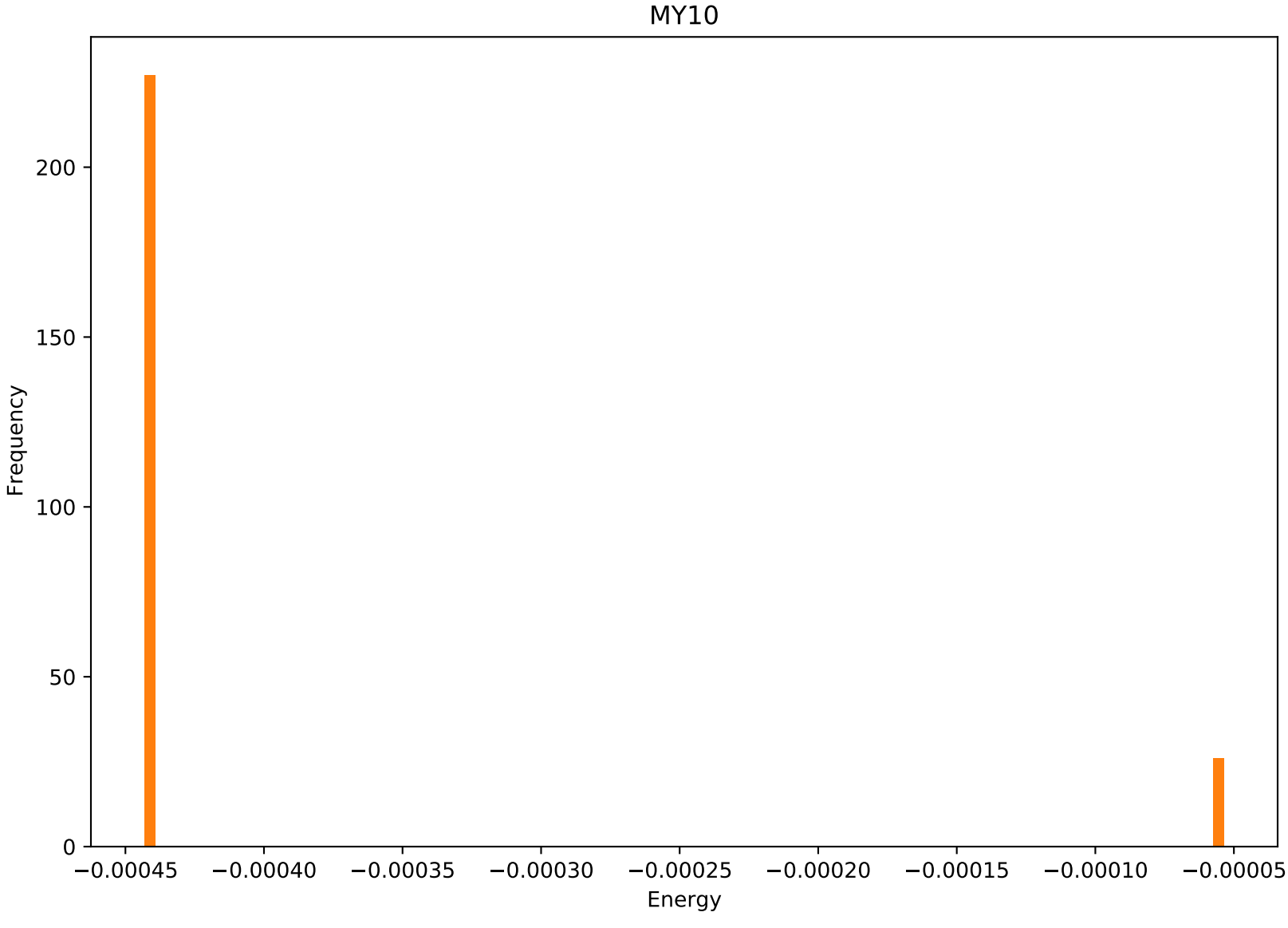

MW6
Frequency
Energy
0
10
20
30
40
50
60
−0.12
−0.10
−0.08
−0.06
−0.04

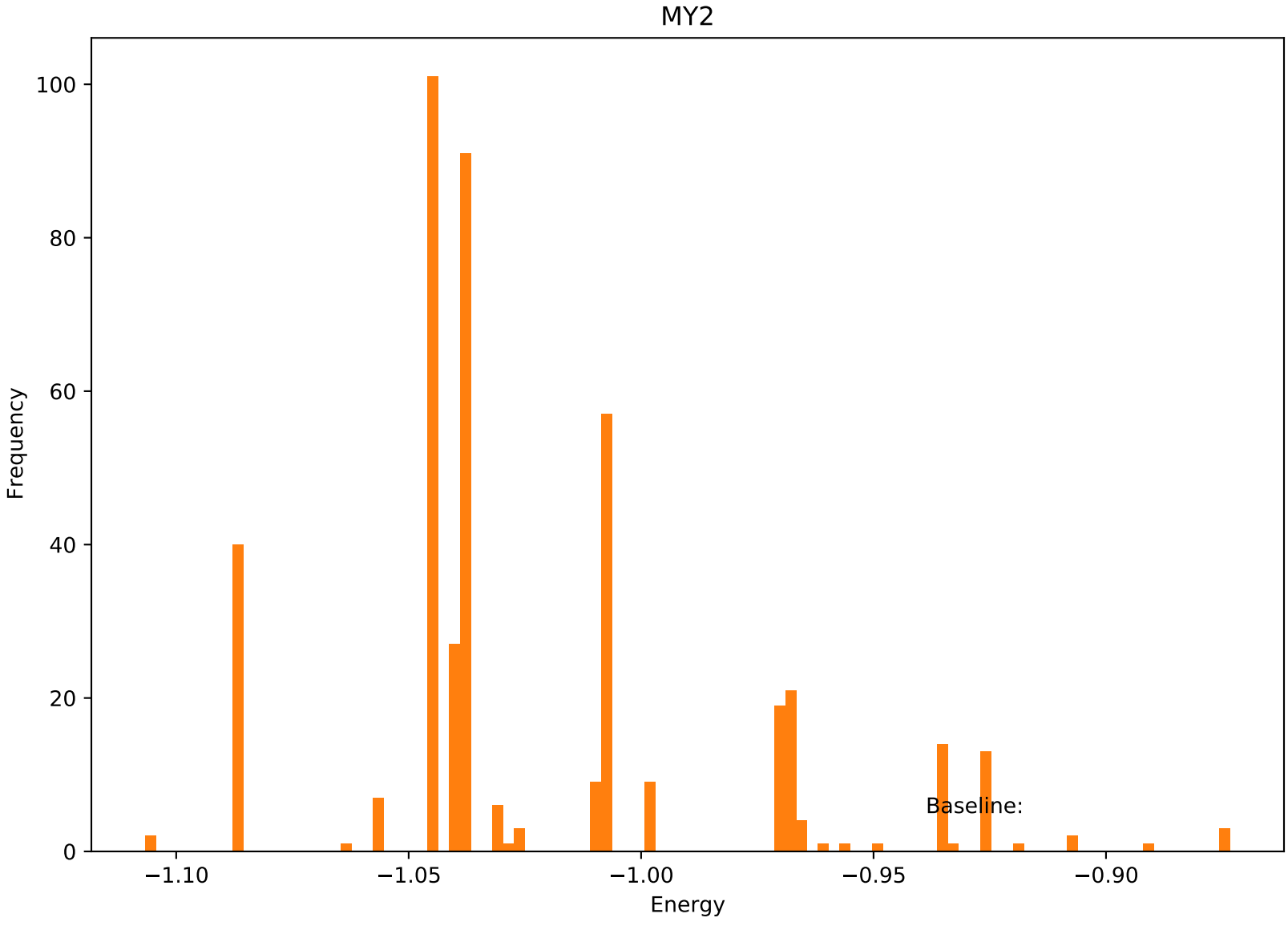

MW7
Frequency
Energy
Baseline: -0.228682
0
10
20
30
40
50
−0.6
−0.5
−0.4
−0.3
−0.2
−0.1
0.0

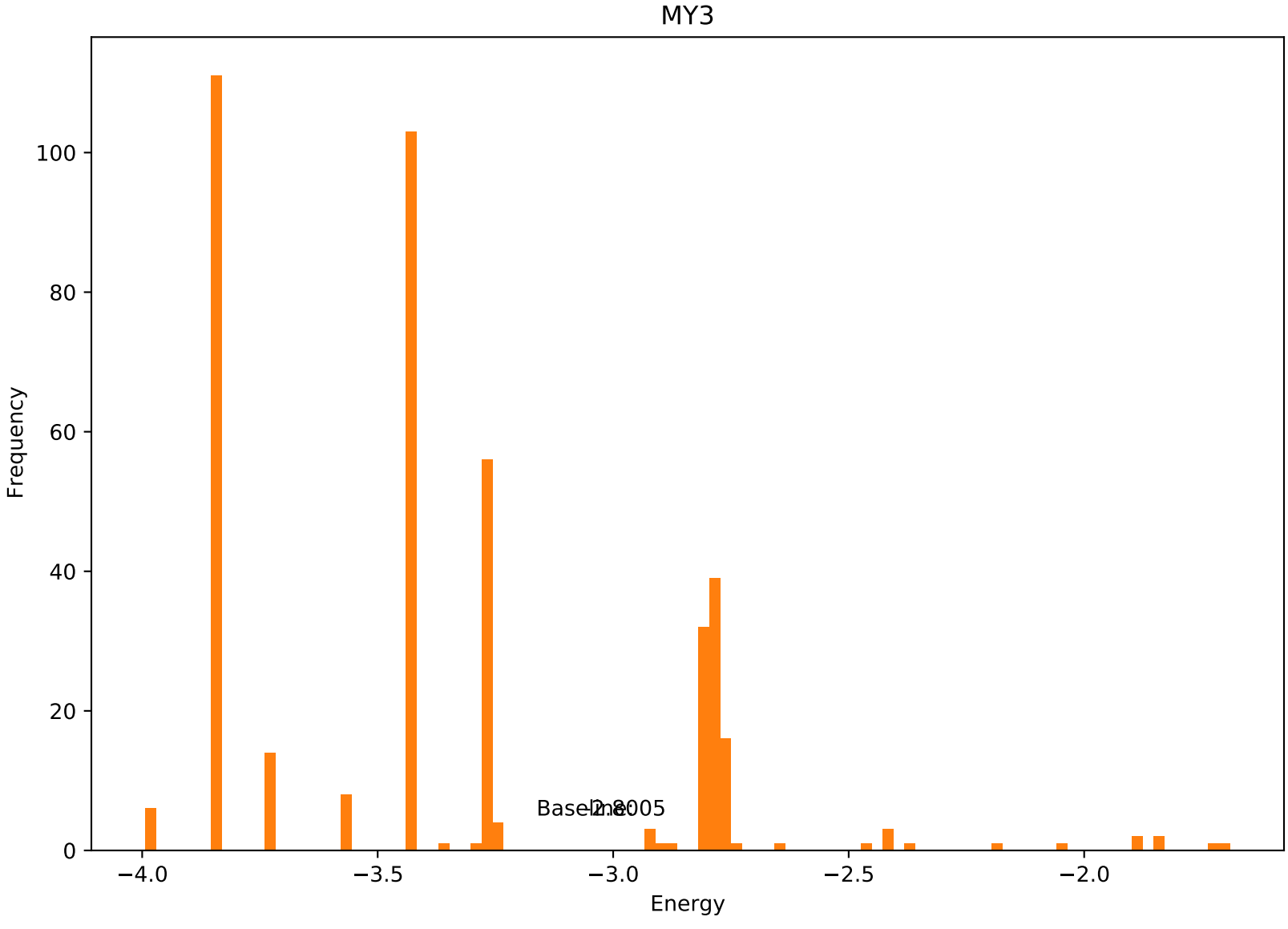

MW8
Frequency
Energy
0
10
20
30
40
50
−0.08
−0.06
−0.04
−0.02

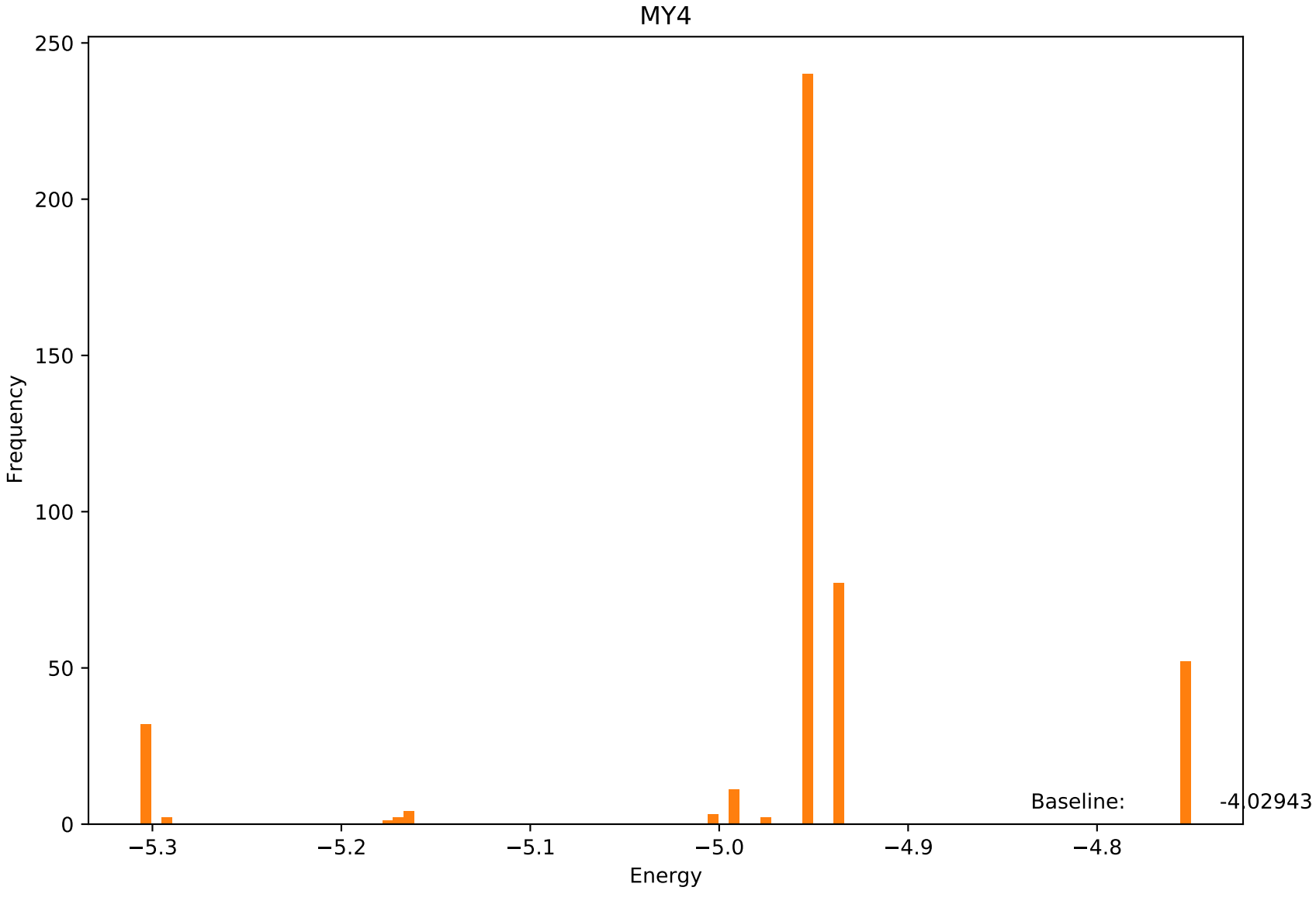

MW9
Frequency
Energy
0
20
40
60
80
100
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

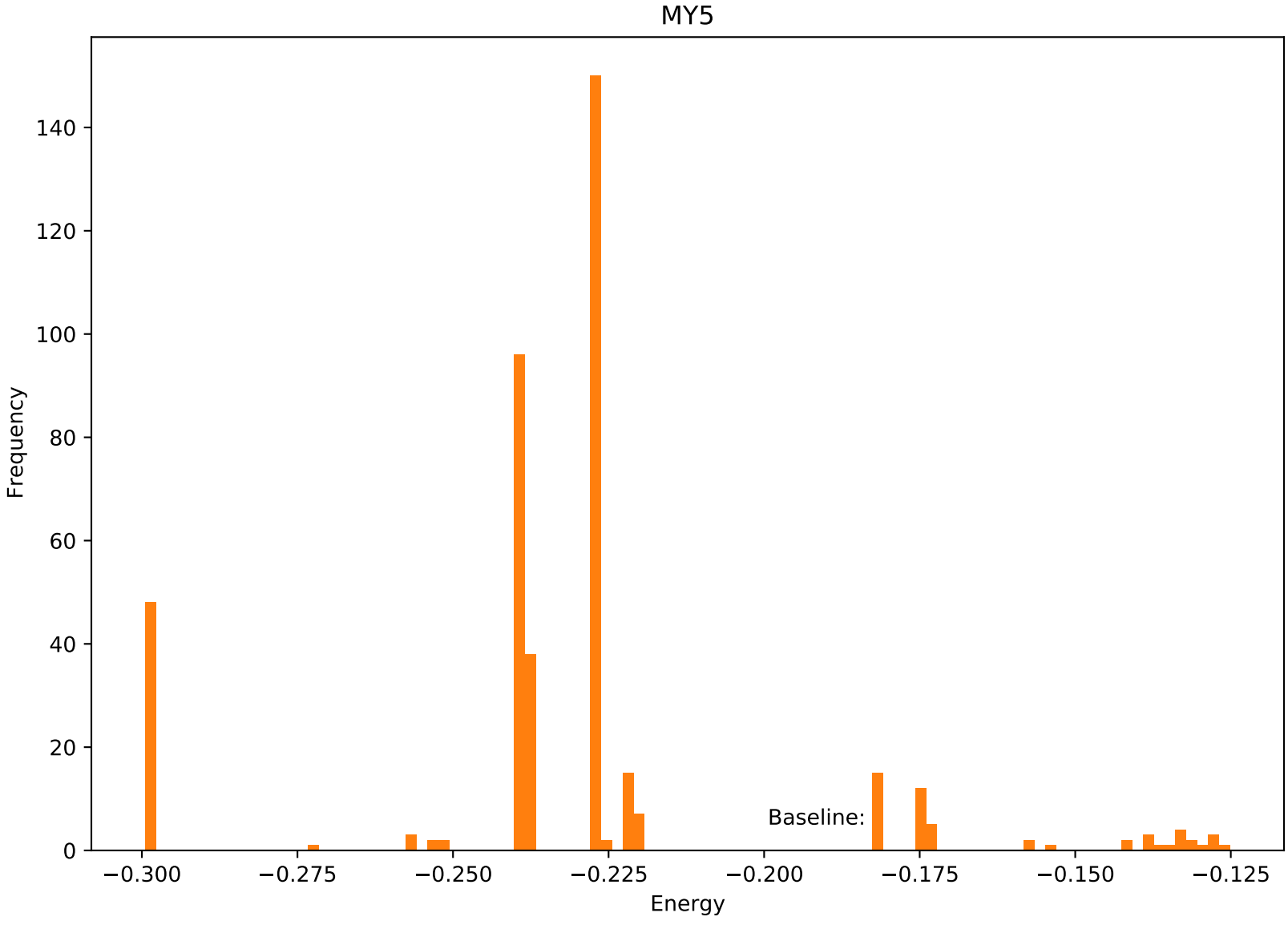

MY1
Frequency
Energy
0
20
40
60
80
−0.5
0.0
0.5
1.0
1.5
Baseline
1.09766

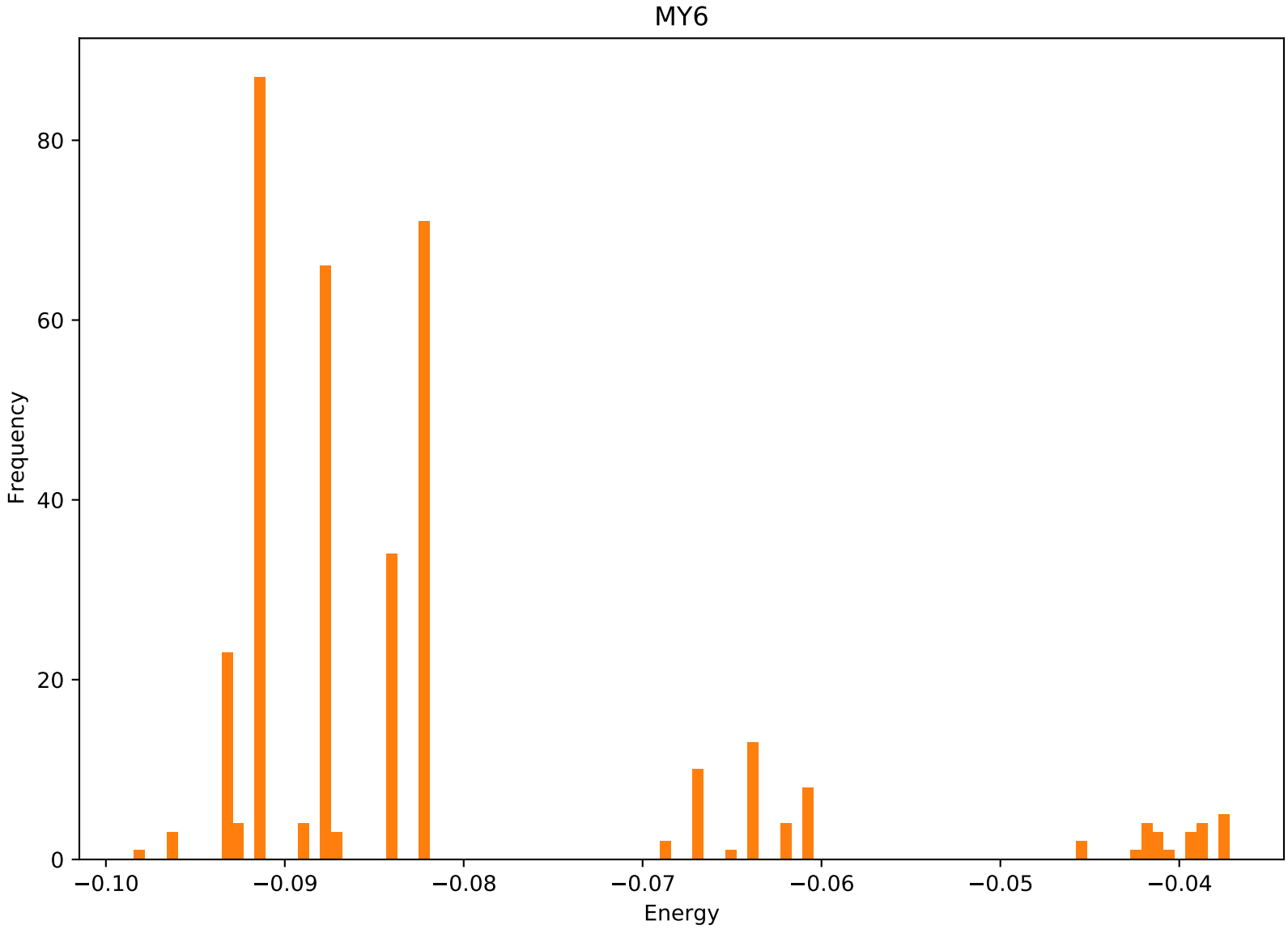

MY10
Frequency
200
150
100
50
0
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy

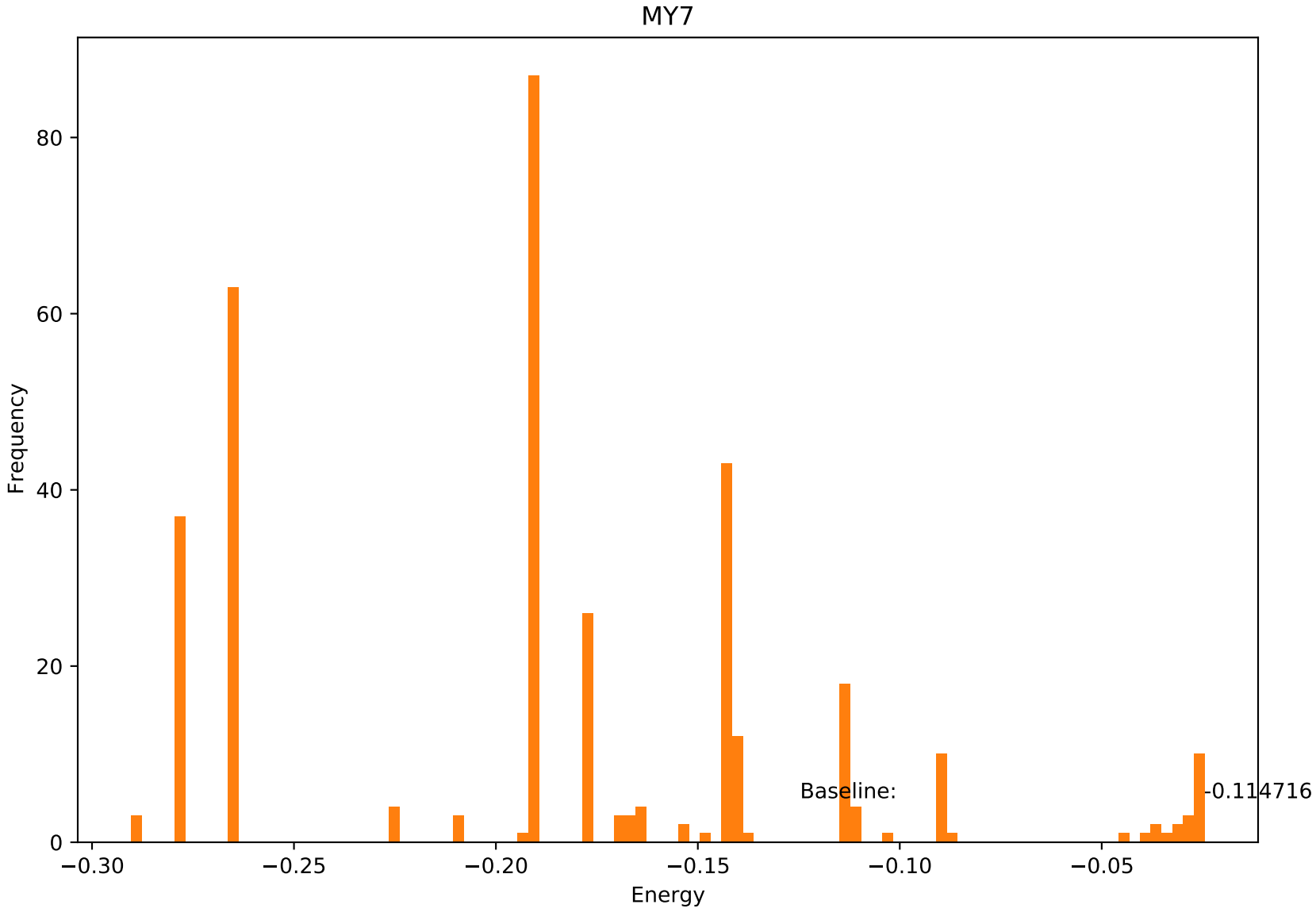

MY2
Frequency
Energy
Baseline:
0
20
40
60
80
100
−1.10
−1.05
−1.00
−0.95
−0.90

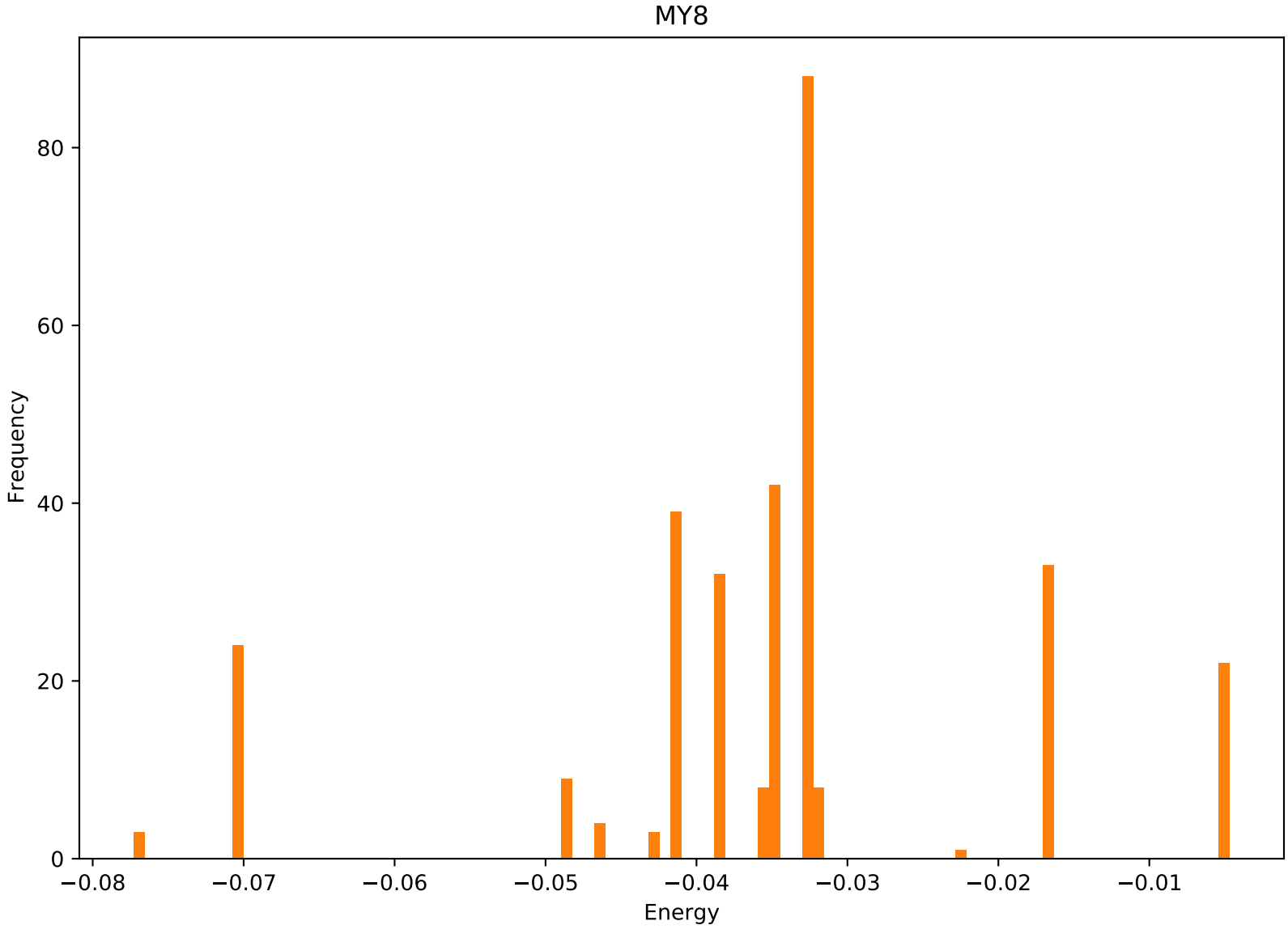

MY3
Frequency
Energy
0
20
40
60
80
100
−4.0
−3.5
−3.0
−2.5
−2.0
Baseline2005

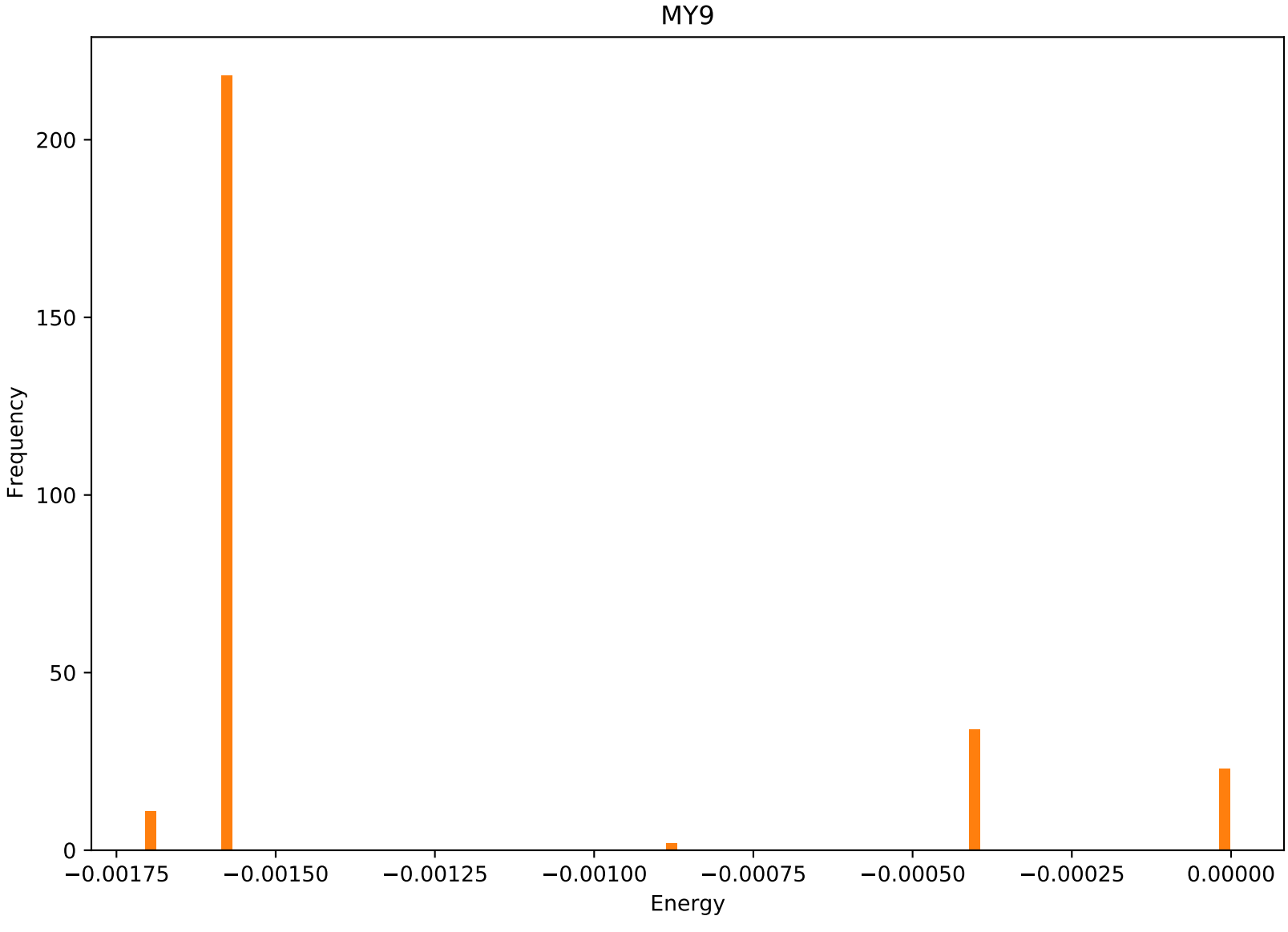

MY4
250
200
150
100
50
0
Frequency
−5.3
−5.2
−5.1
−5.0
−4.9
−4.8
Energy
Baseline:
-4.02943

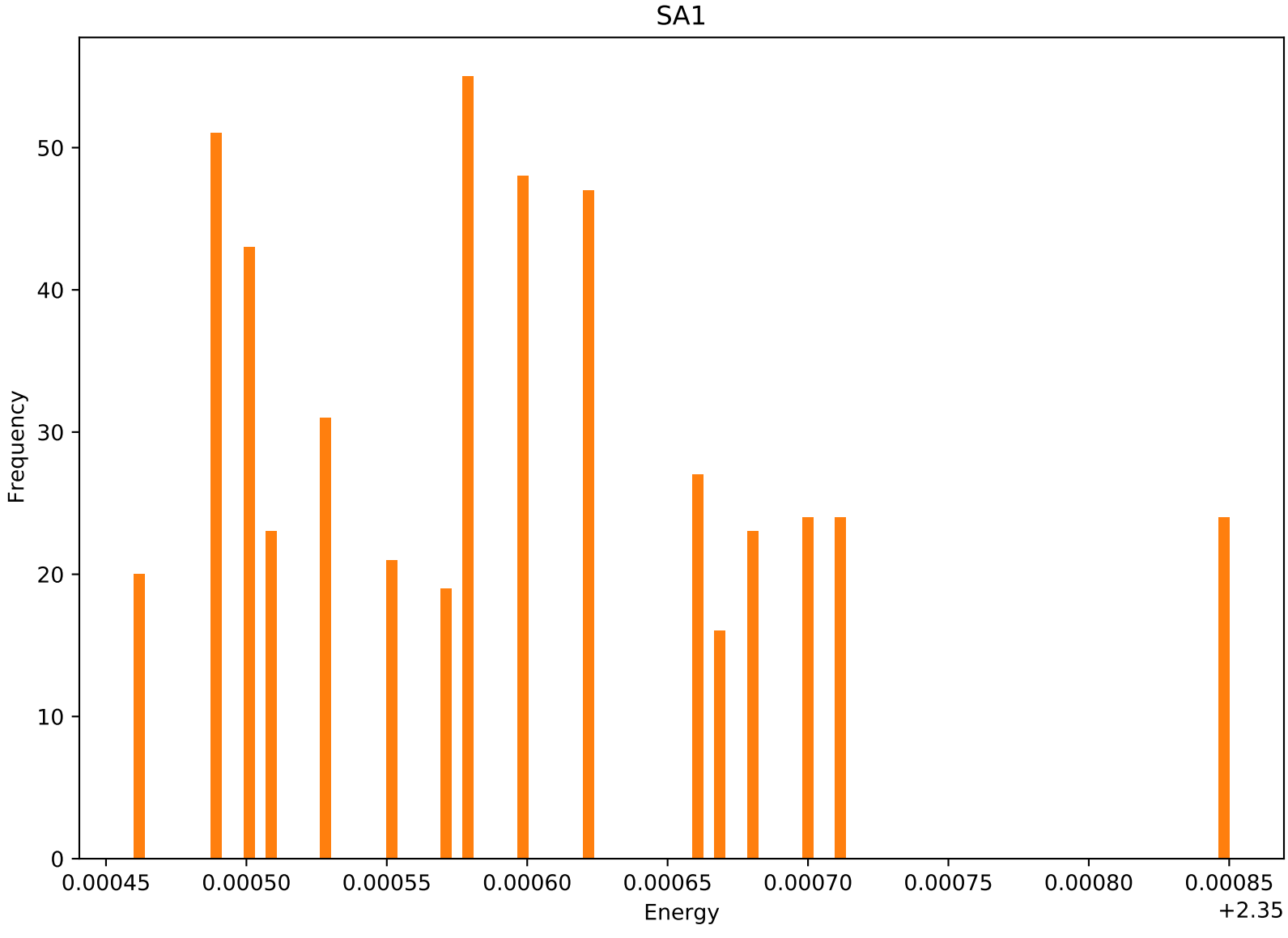

MY5
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
−0.300
−0.275
−0.250
−0.225
−0.200
−0.175
−0.150
−0.125

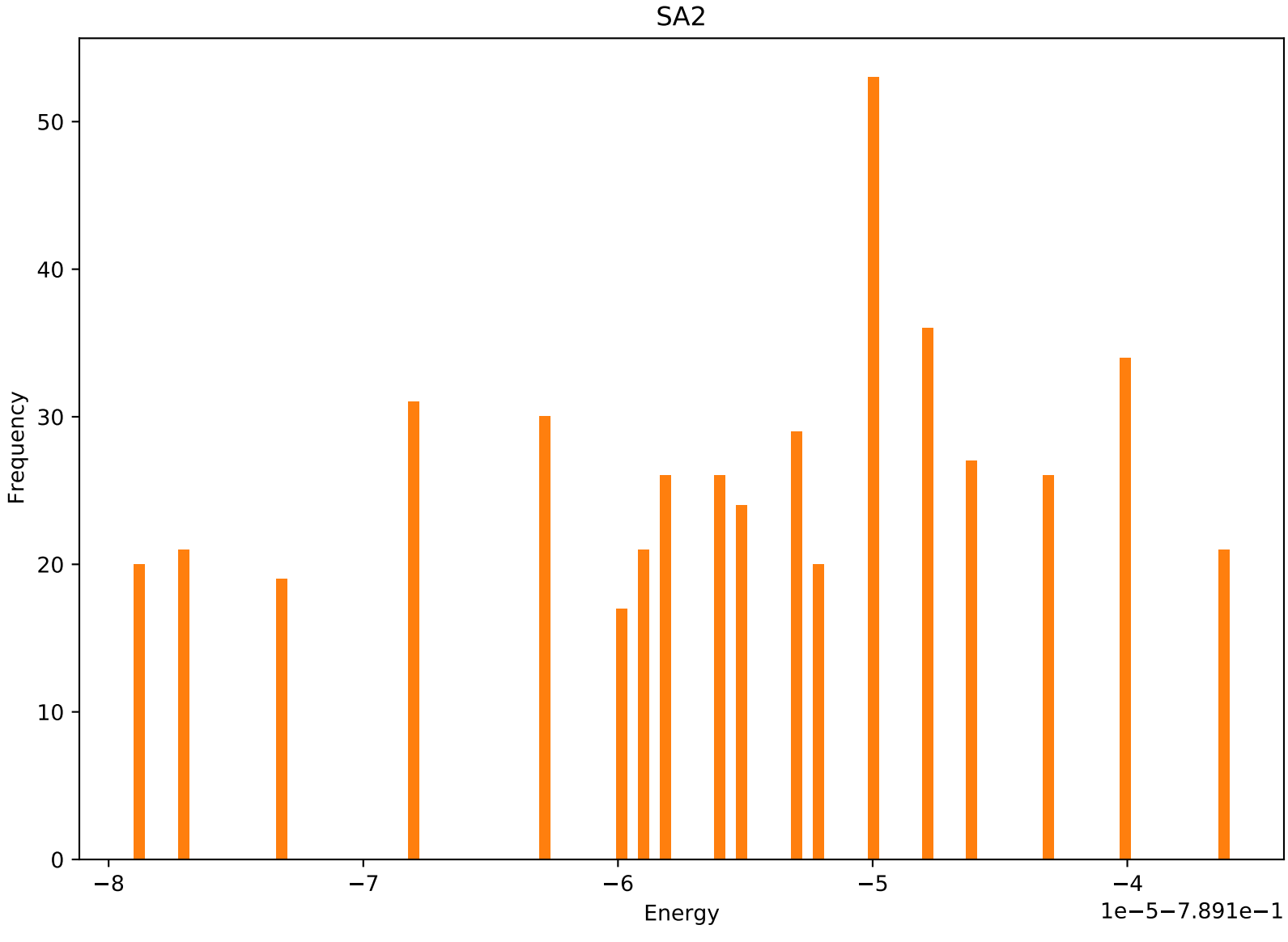

MY6
Frequency
Energy
0
20
40
60
80
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

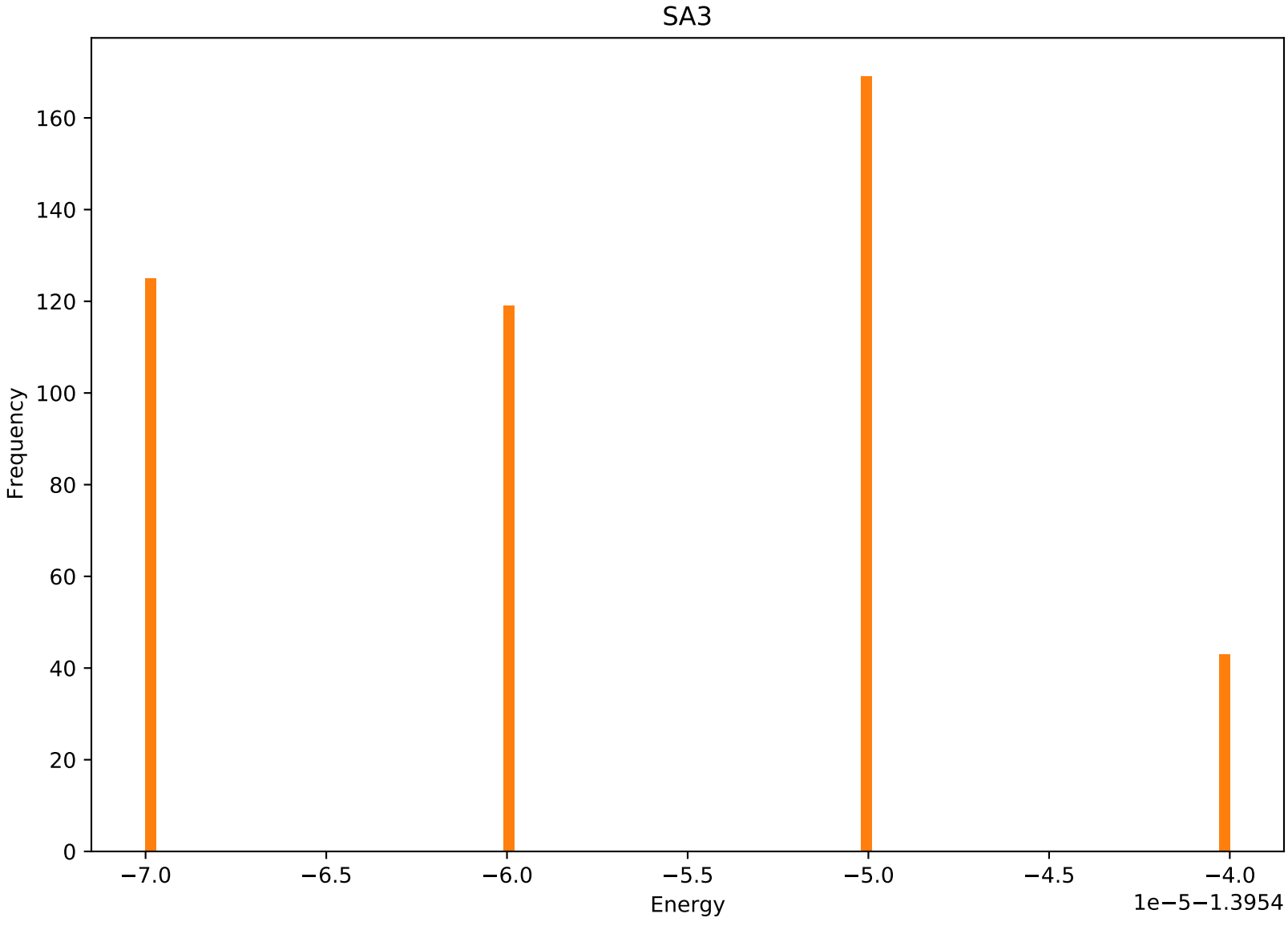

MY7
Frequency
Energy
Baseline:
-0.114716
0
20
40
60
80
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05

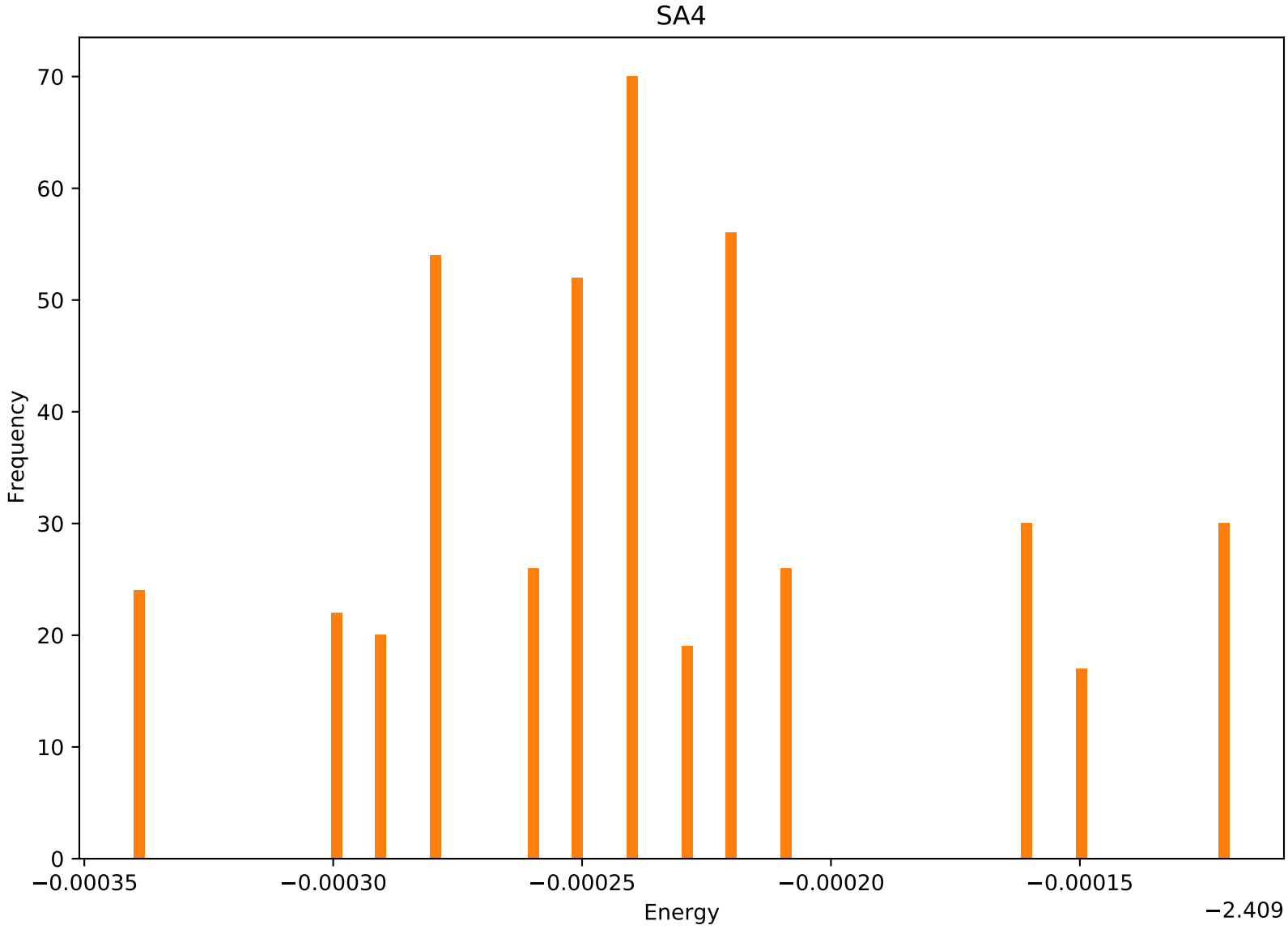

MY8
Frequency
Energy
0
20
40
60
80
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03
−0.02
−0.01

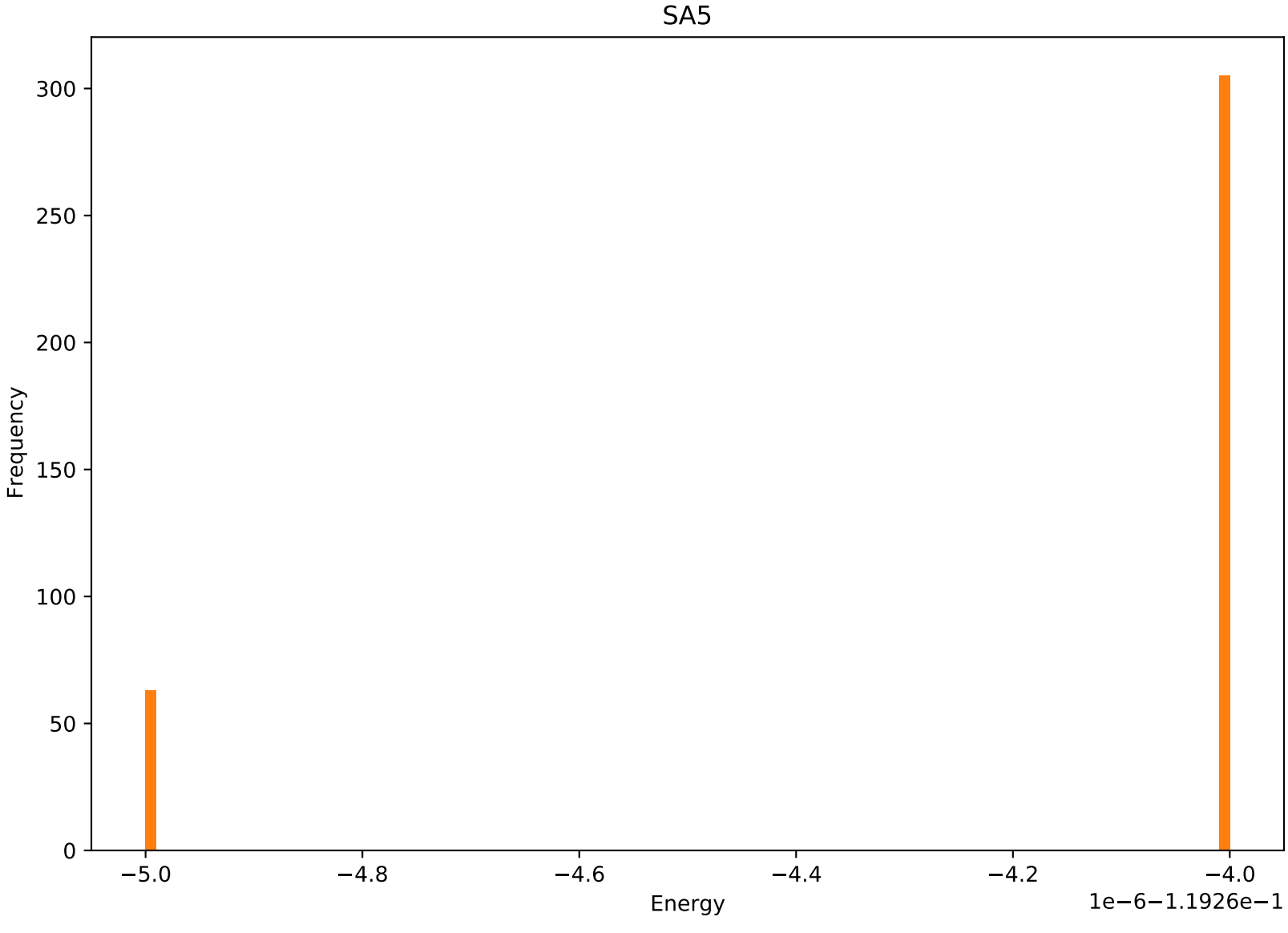

MY9
Frequency
200
150
100
50
0
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000
Energy

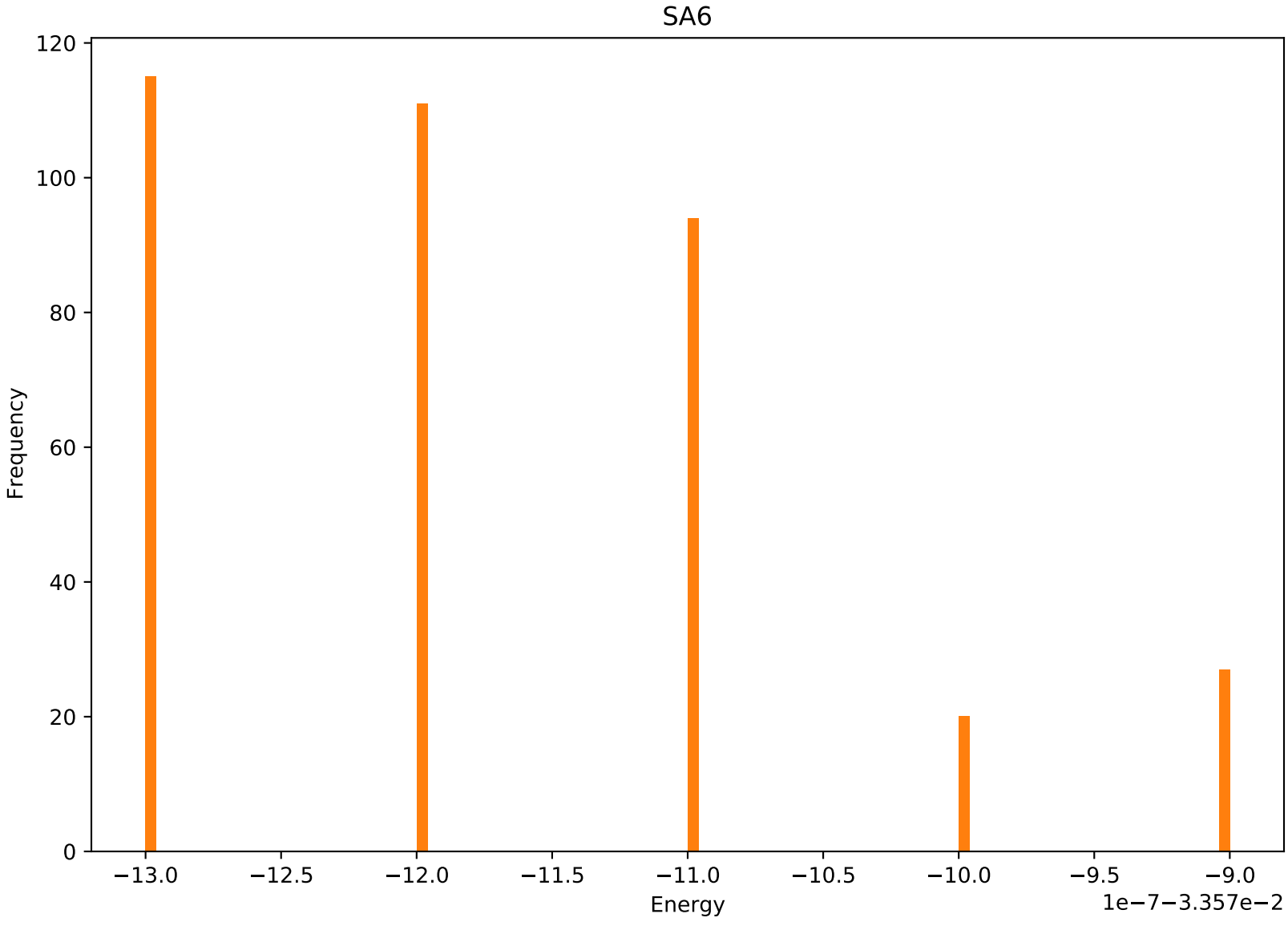

SA1
Frequency
0
10
20
30
40
50
0.00045
0.00050
0.00055
0.00060
0.00065
0.00070
0.00075
0.00080
0.00085
Energy
+2.35

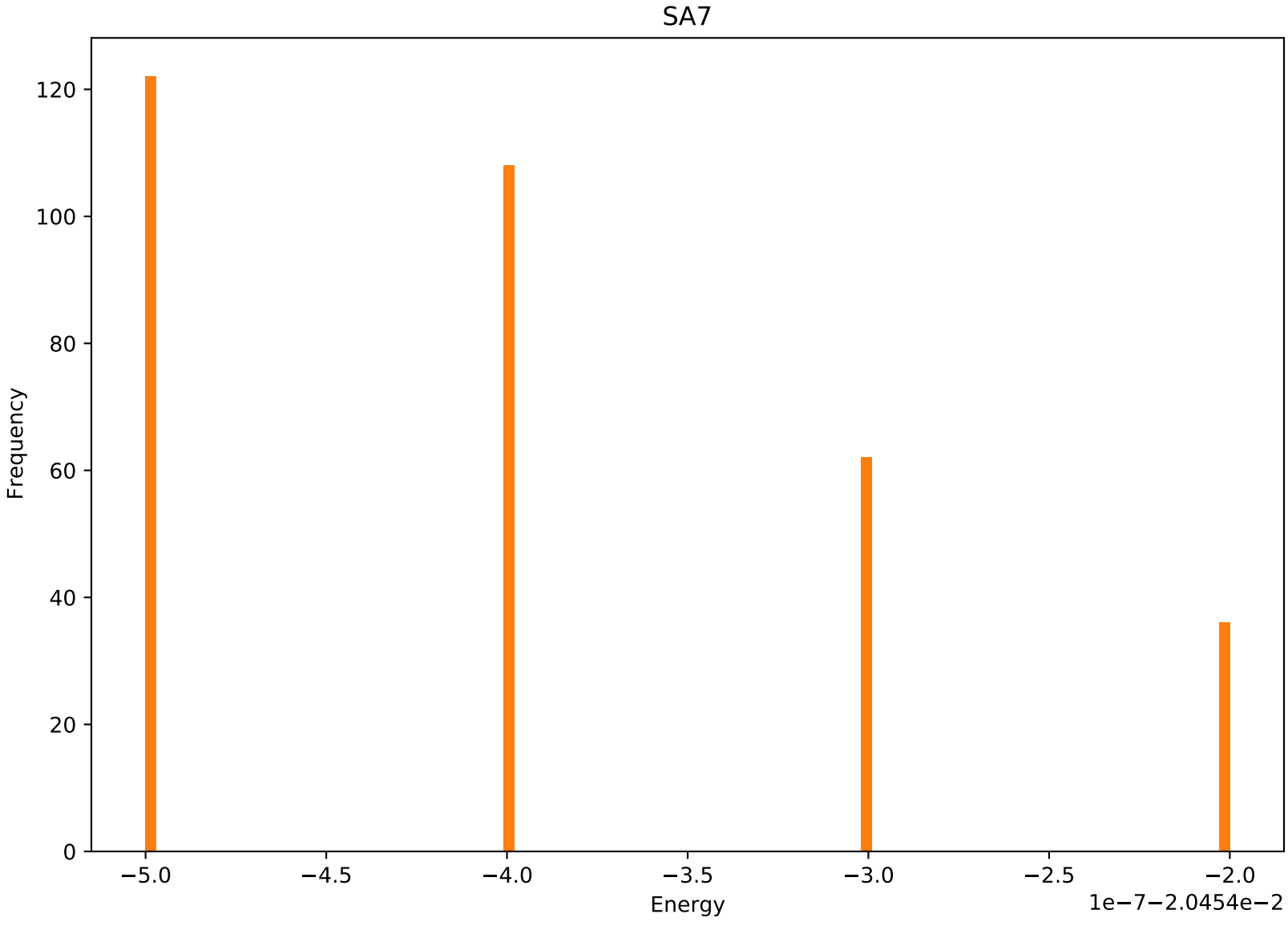

SA2
Frequency
0
10
20
30
40
50
−8
−7
−6
−5
−4
Energy
1e−5−7.891e−1

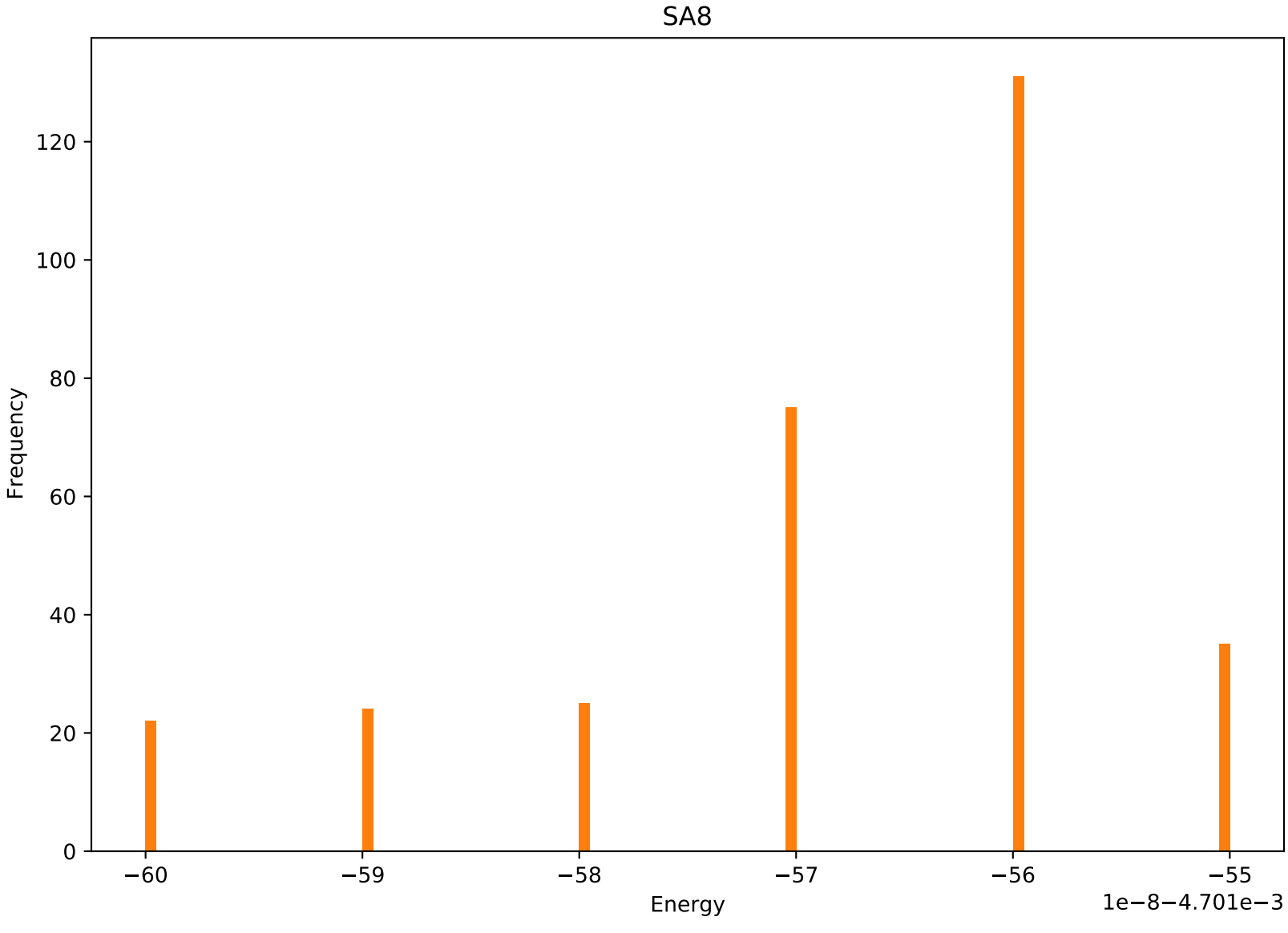

SA3
Frequency
0
20
40
60
80
100
120
140
160
−7.0
−6.5
−6.0
−5.5
−5.0
−4.5
−4.0
Energy
1e−5−1.3954

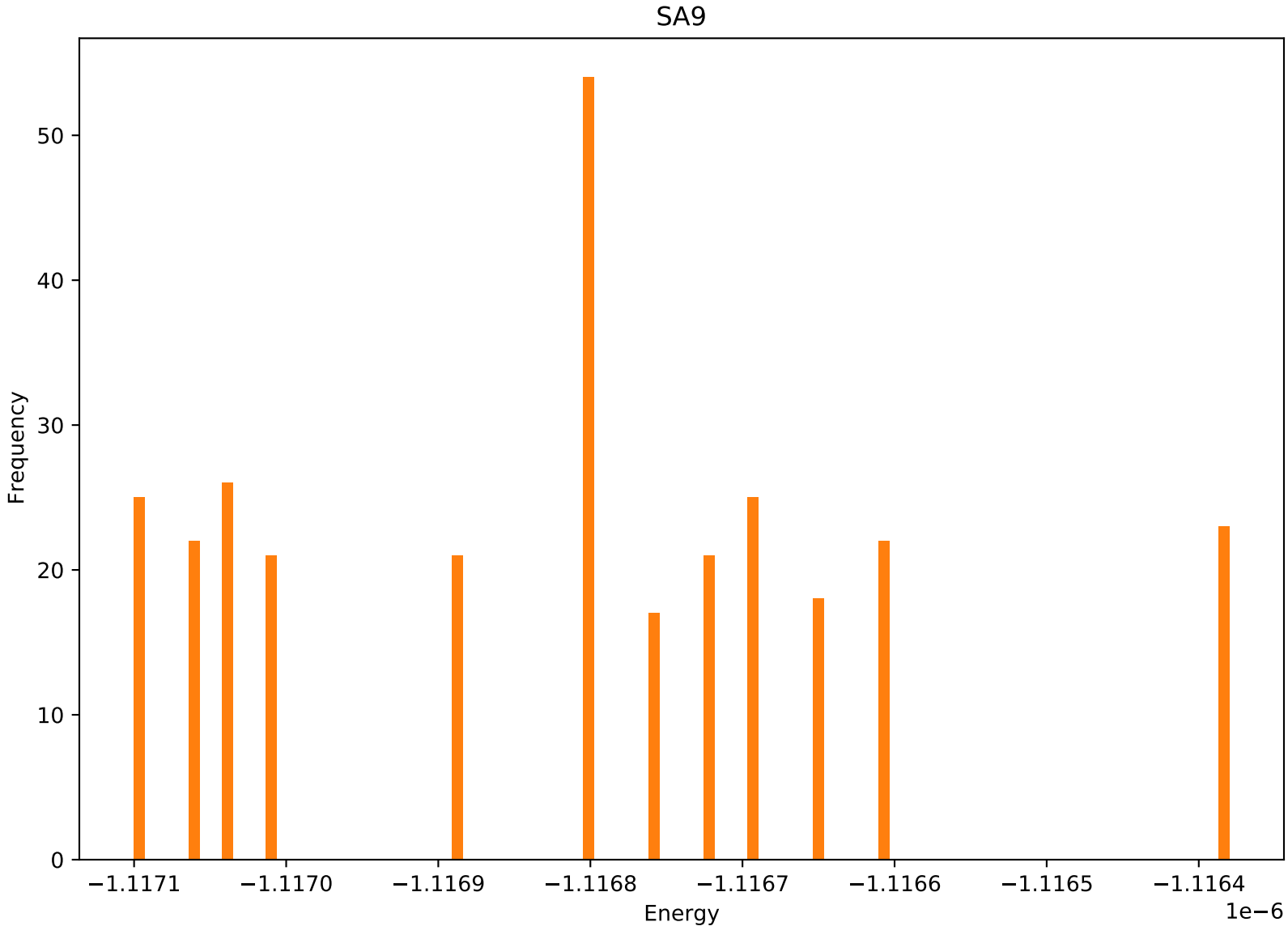

SA4
Frequency
70
60
50
40
30
20
10
0
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
Energy
−2.409

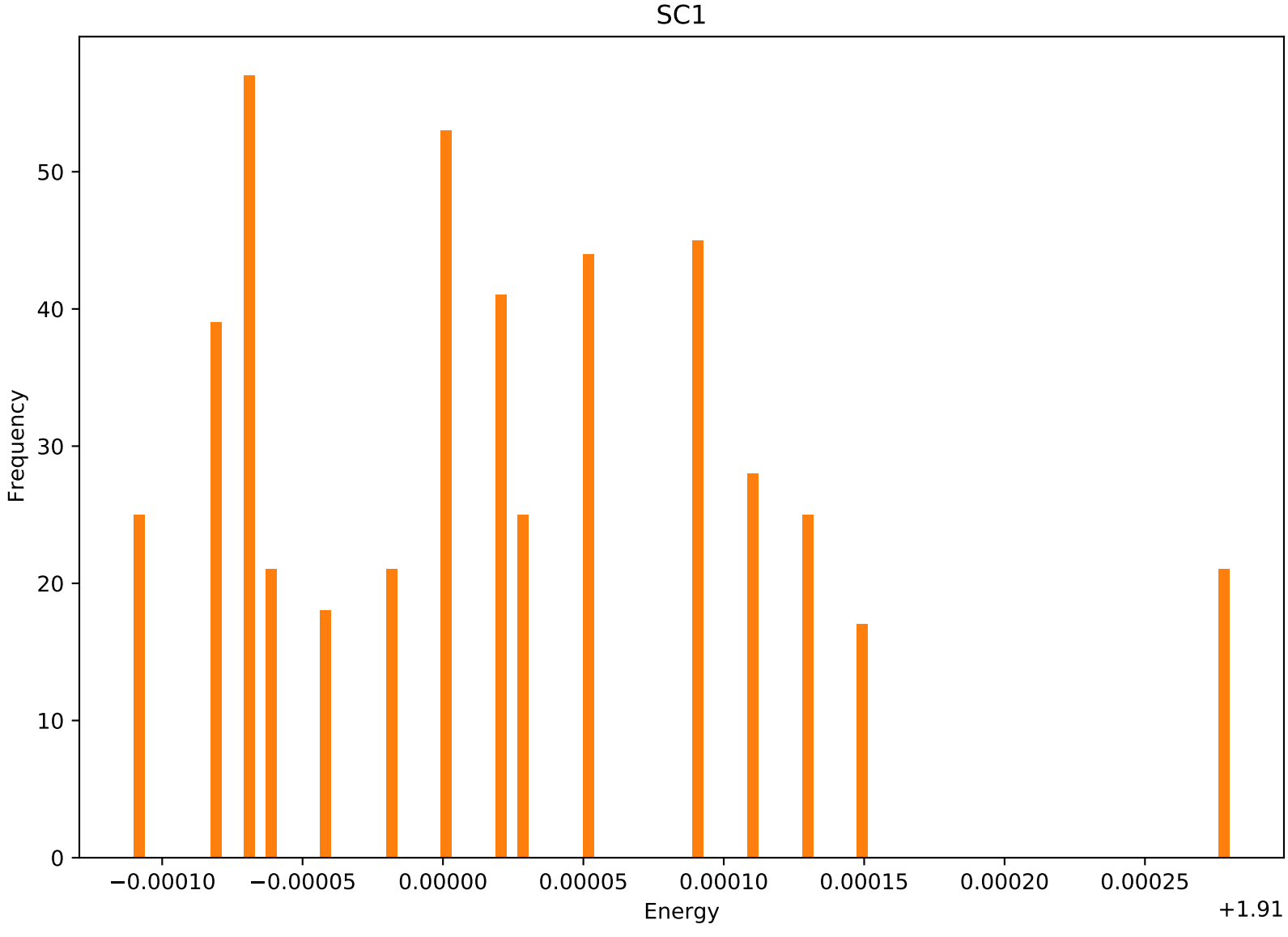

SA5
300
250
200
150
100
50
0
Frequency
−5.0
−4.8
−4.6
−4.4
−4.2
−4.0
Energy
1e−6−1.1926e−1

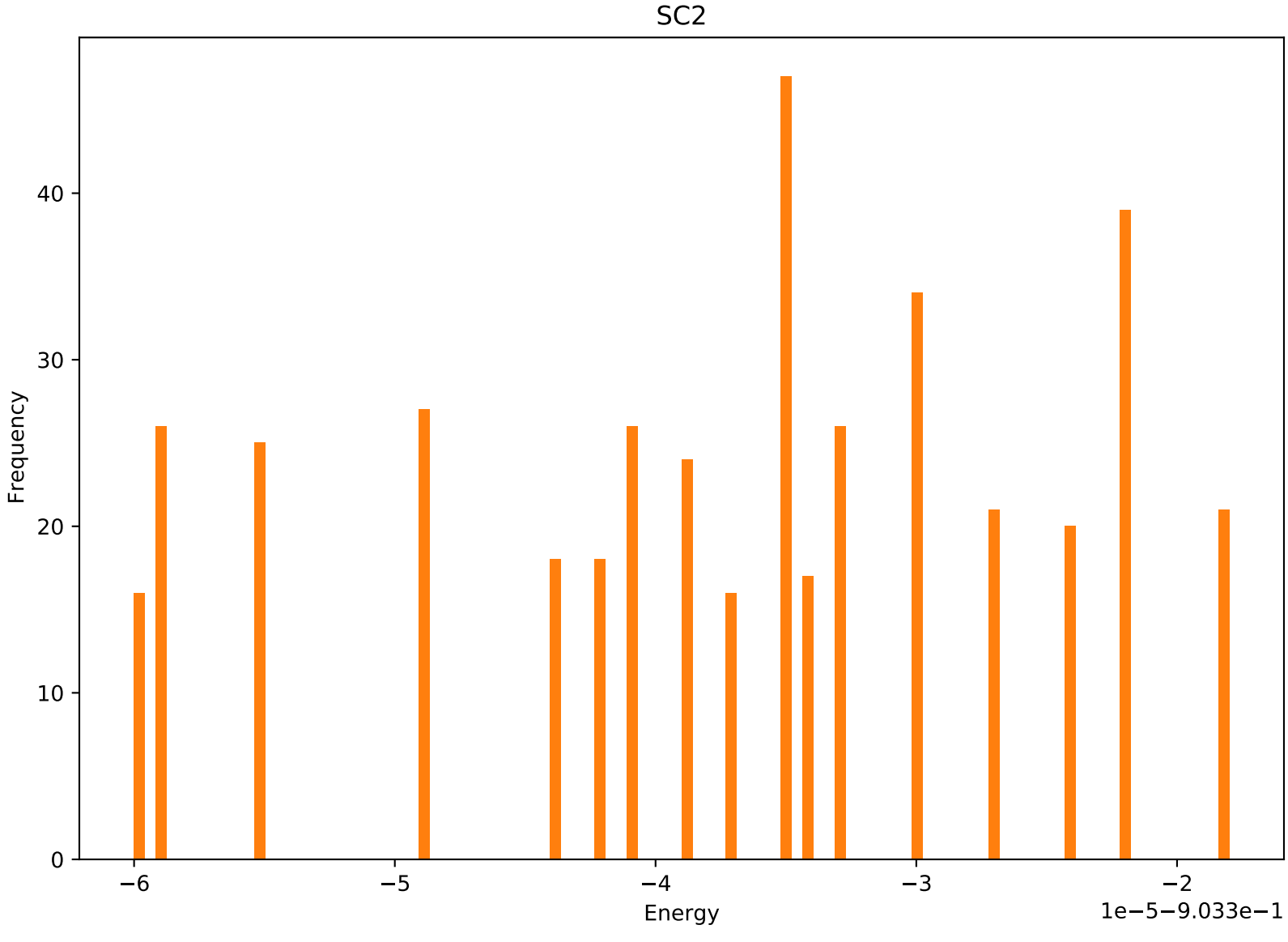

SA6
120
100
80
60
40
20
0
Frequency
−13.0
−12.5
−12.0
−11.5
−11.0
−10.5
−10.0
−9.5
−9.0
Energy
1e−7−3.357e−2

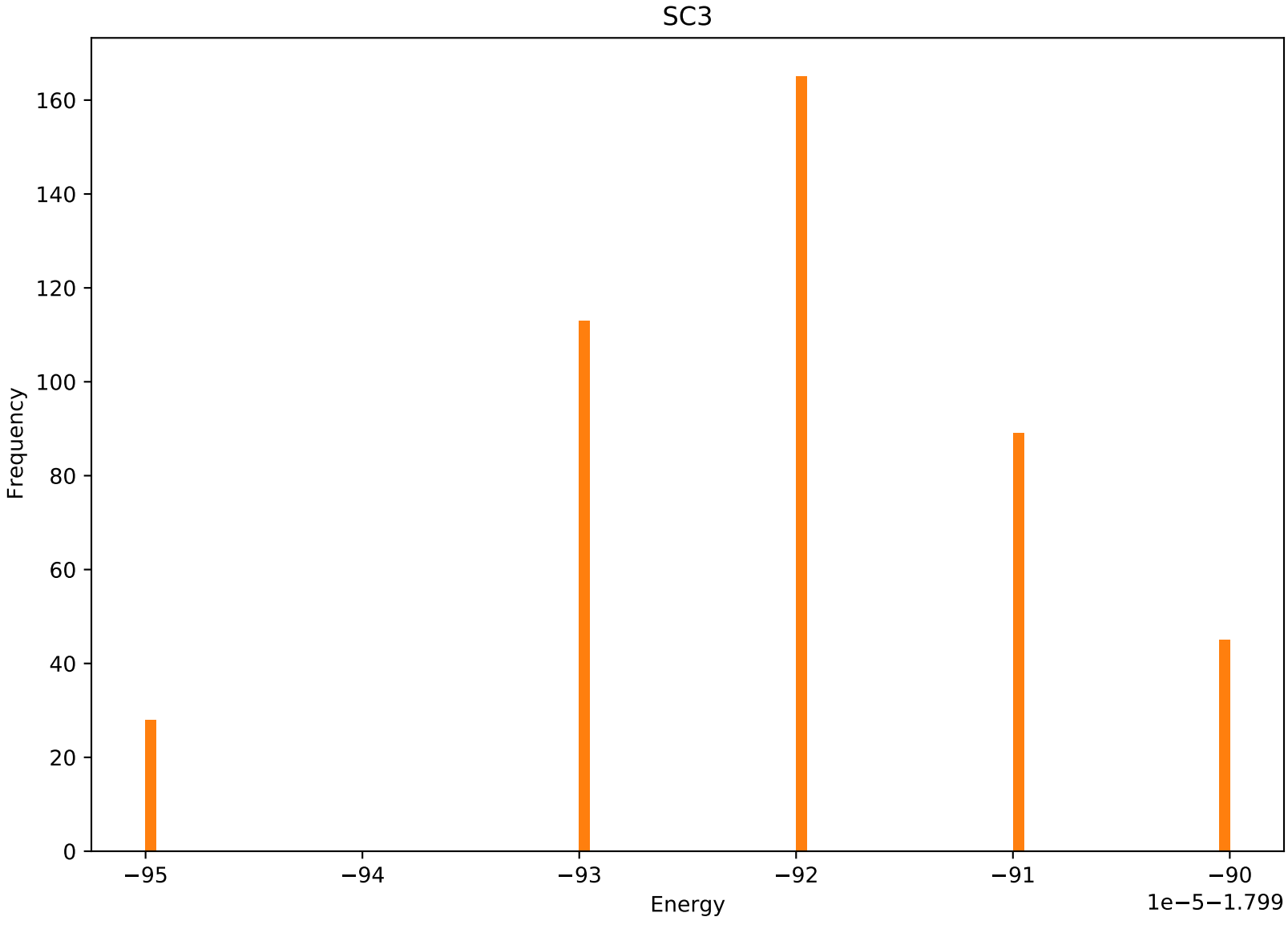

SA7
120
100
80
60
40
20
0
Frequency
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
−2.0
Energy
1e−7−2.0454e−2

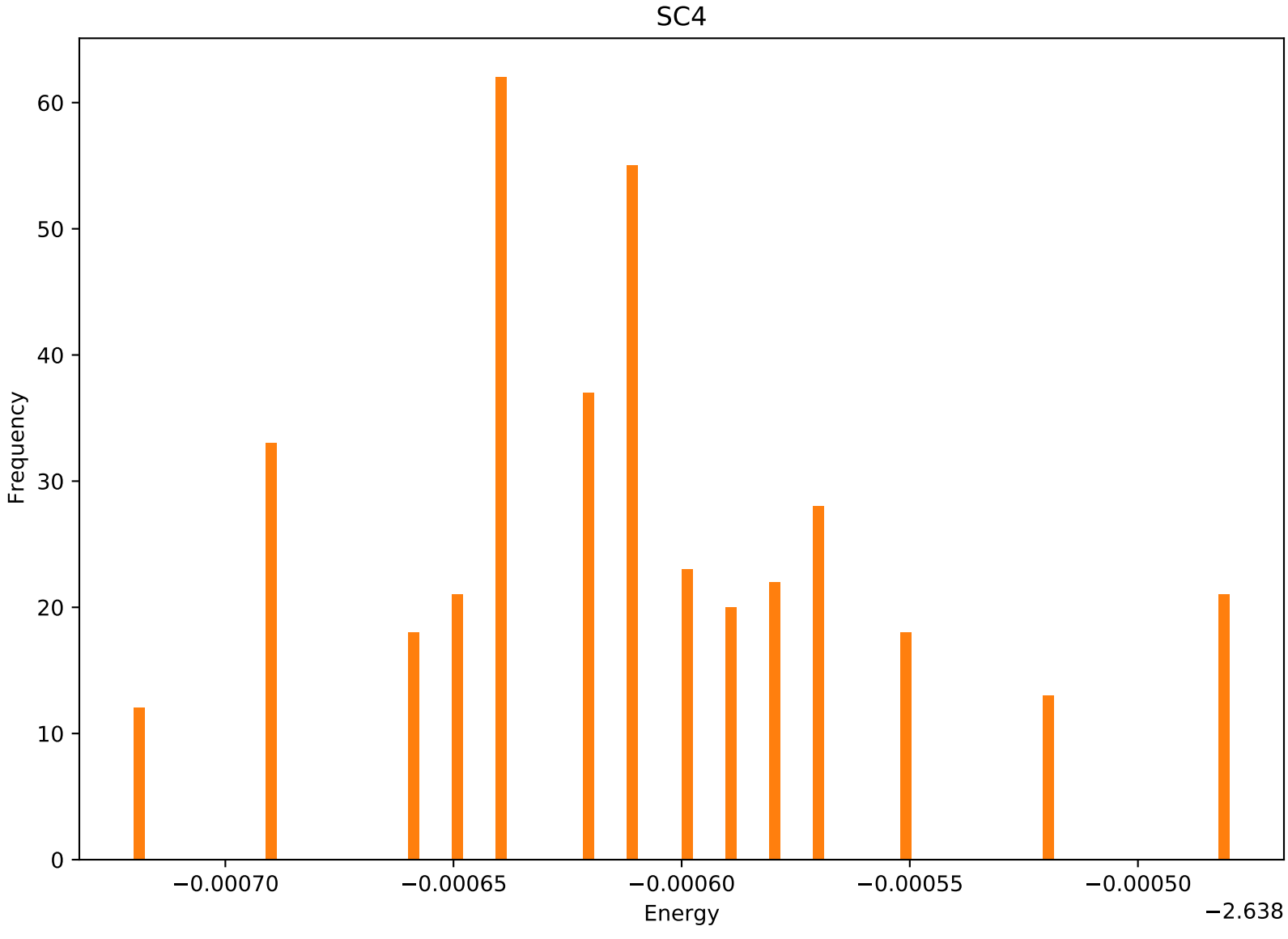

SA8
Frequency
0
20
40
60
80
100
120
−60
−59
−58
−57
−56
−55
Energy
1e−8−4.701e−3

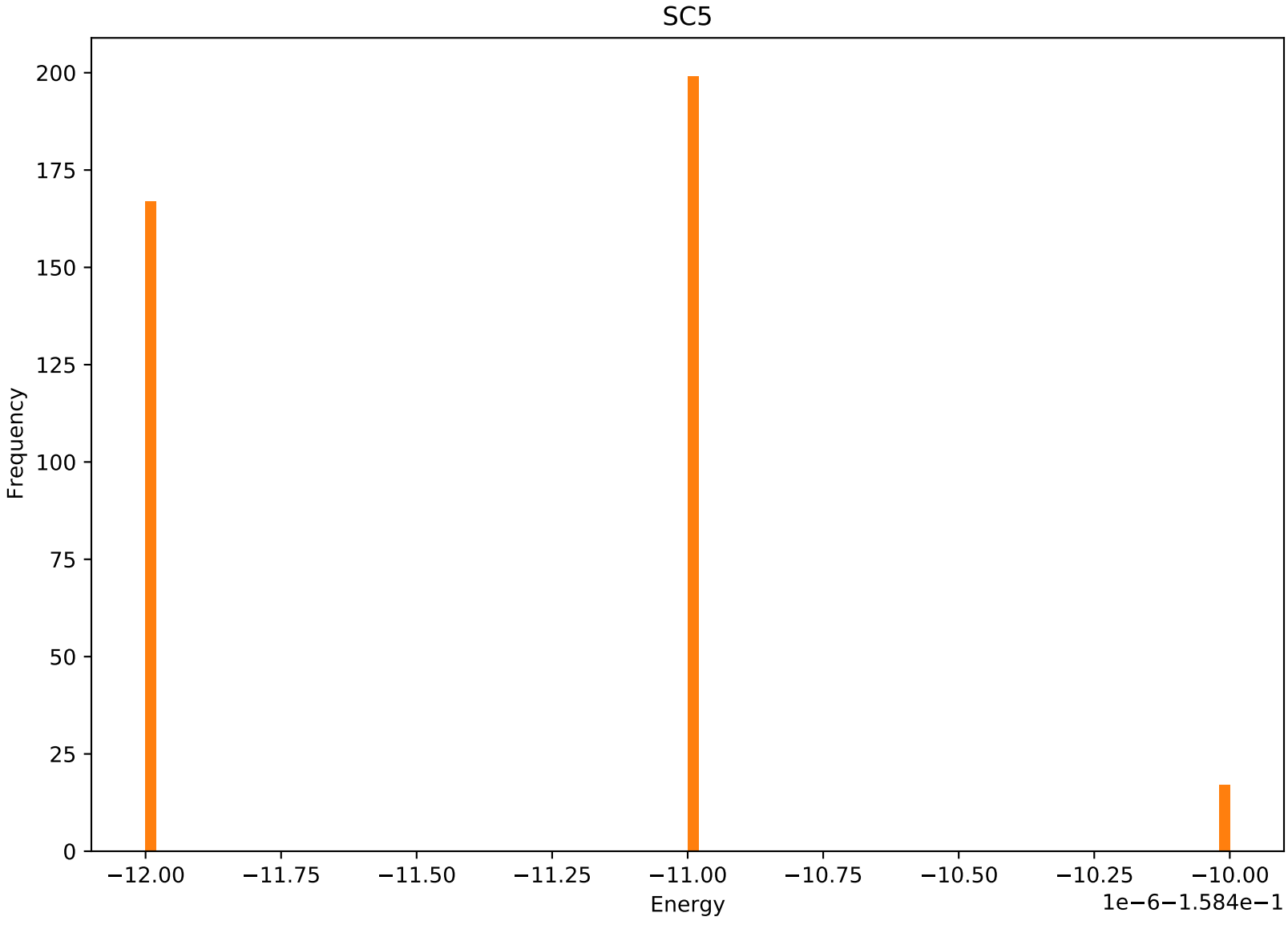

SA9
Frequency
0
10
20
30
40
50
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

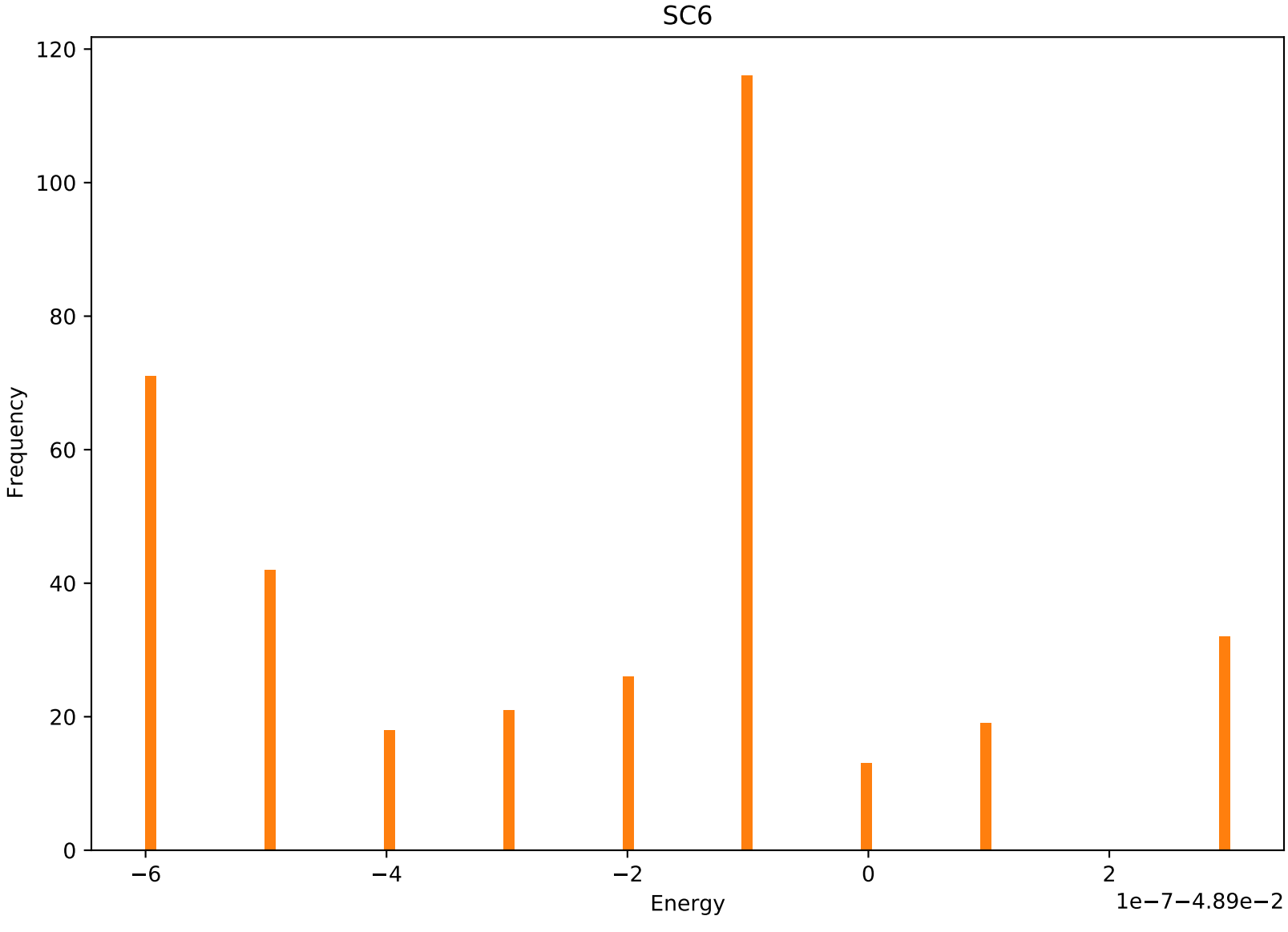

SC1
Frequency
0
10
20
30
40
50
−0.00010
−0.00005
0.00000
0.00005
0.00010
0.00015
0.00020
0.00025
Energy
+1.91

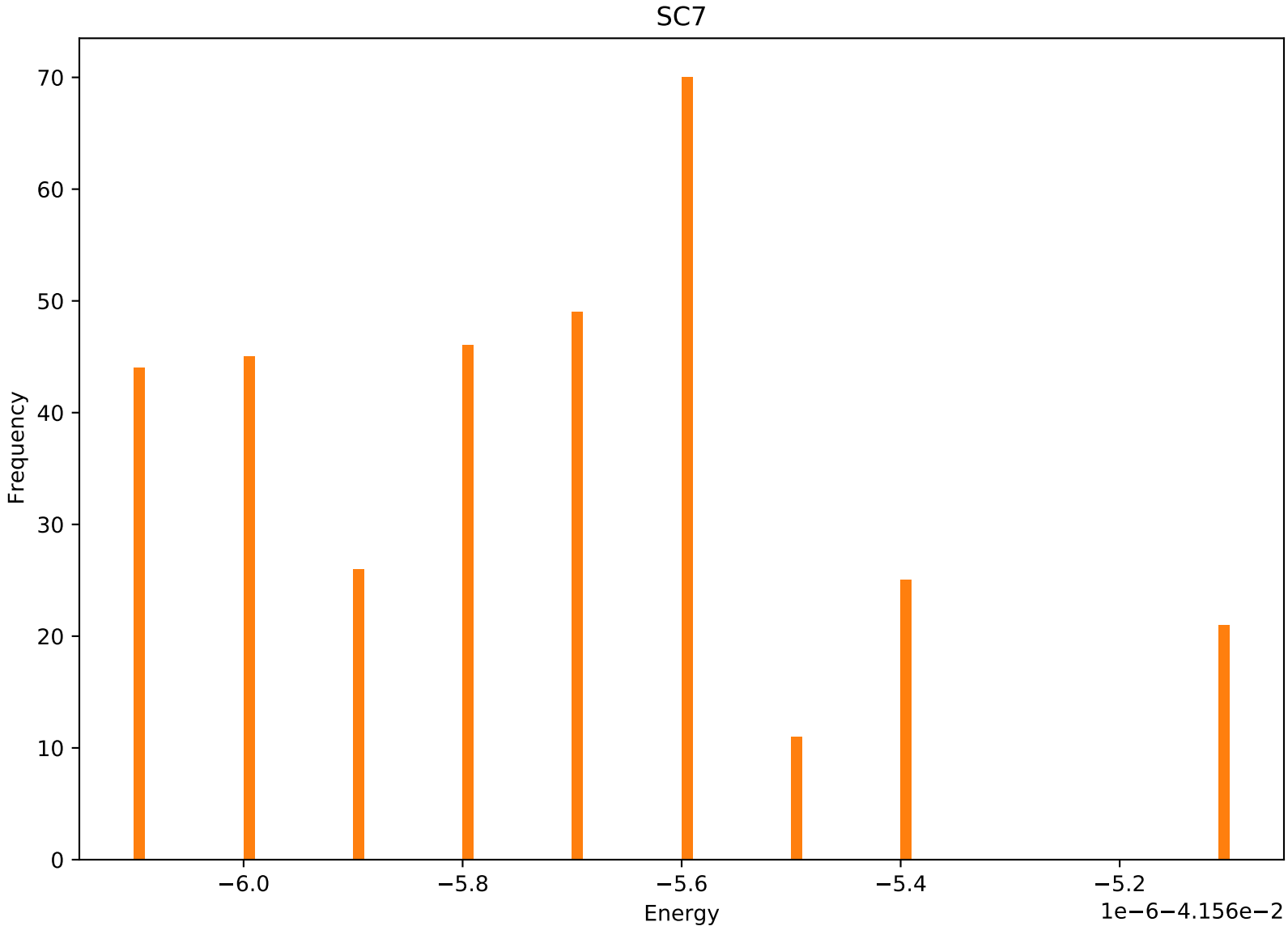

SC2
Frequency
0
10
20
30
40
−6
−5
−4
−3
−2
Energy
1e−5−9.033e−1

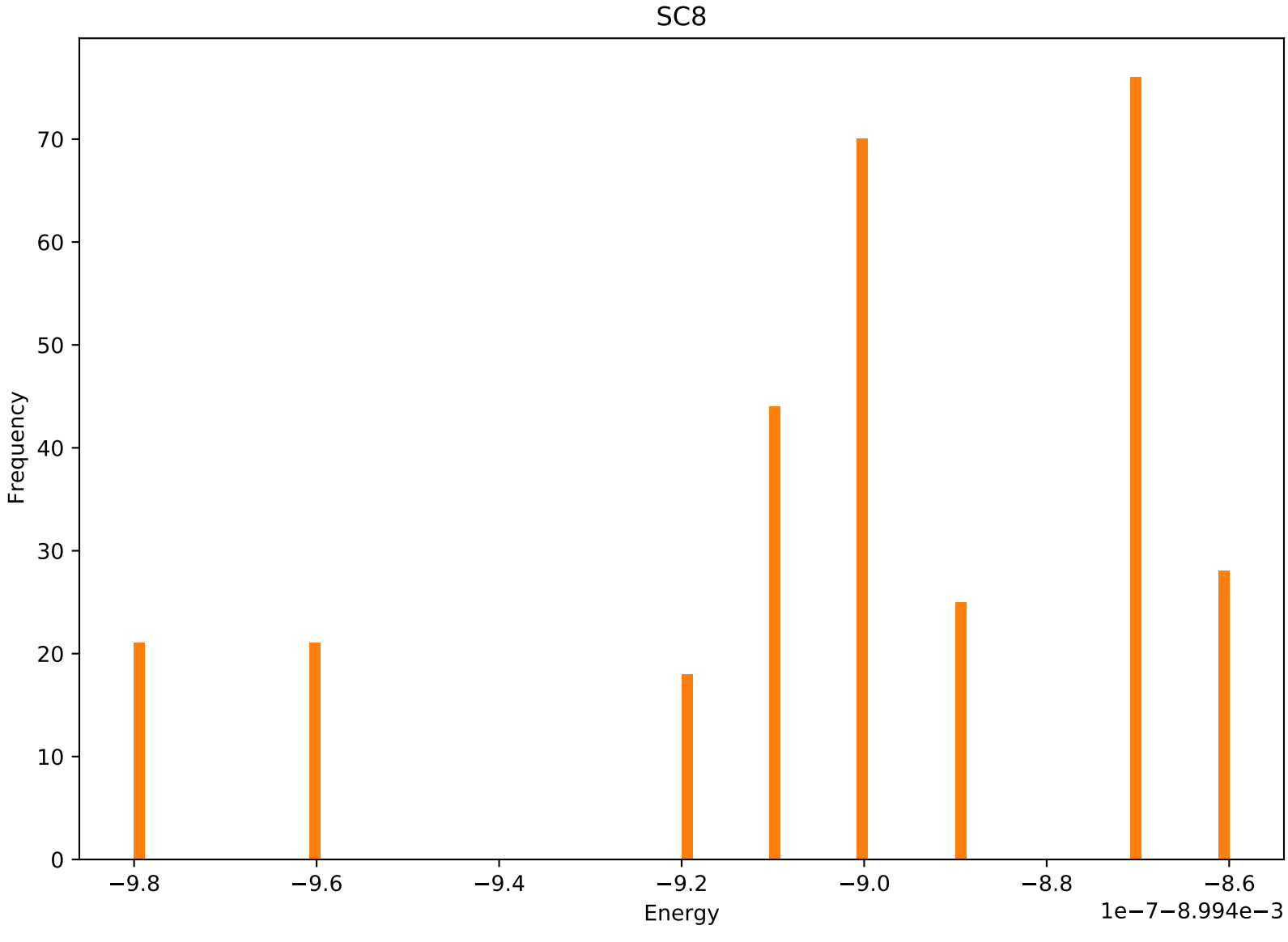

SC3
Frequency
0
20
40
60
80
100
120
140
160
−95
−94
−93
−92
−91
−90
Energy
1e−5−1.799

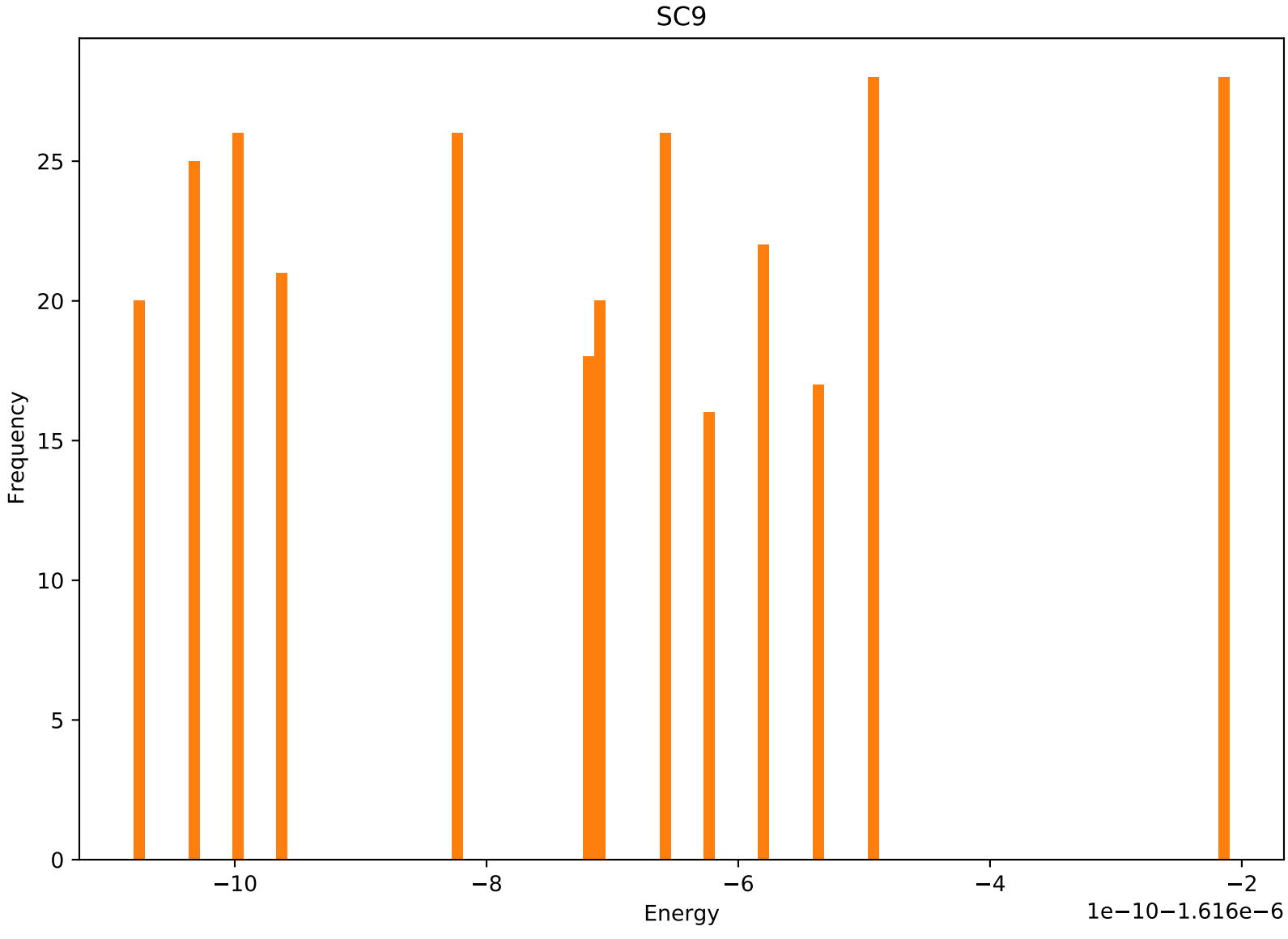

SC4
Frequency
0
10
20
30
40
50
60
−0.00070
−0.00065
−0.00060
−0.00055
−0.00050
Energy
−2.638

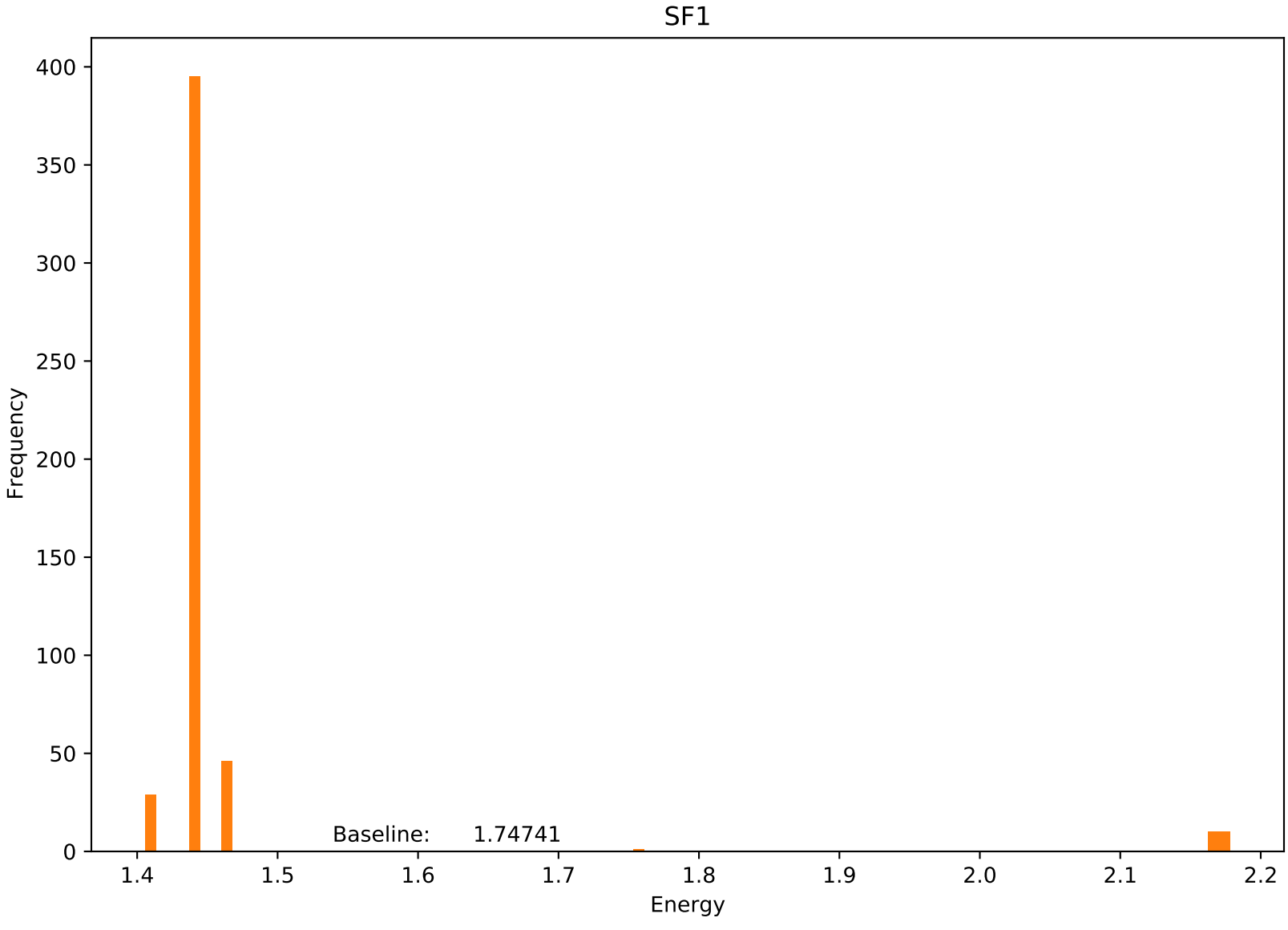

SC5
Frequency
200
175
150
125
100
75
50
25
0
−12.00
−11.75
−11.50
−11.25
−11.00
−10.75
−10.50
−10.25
−10.00
Energy
1e−6−1.584e−1

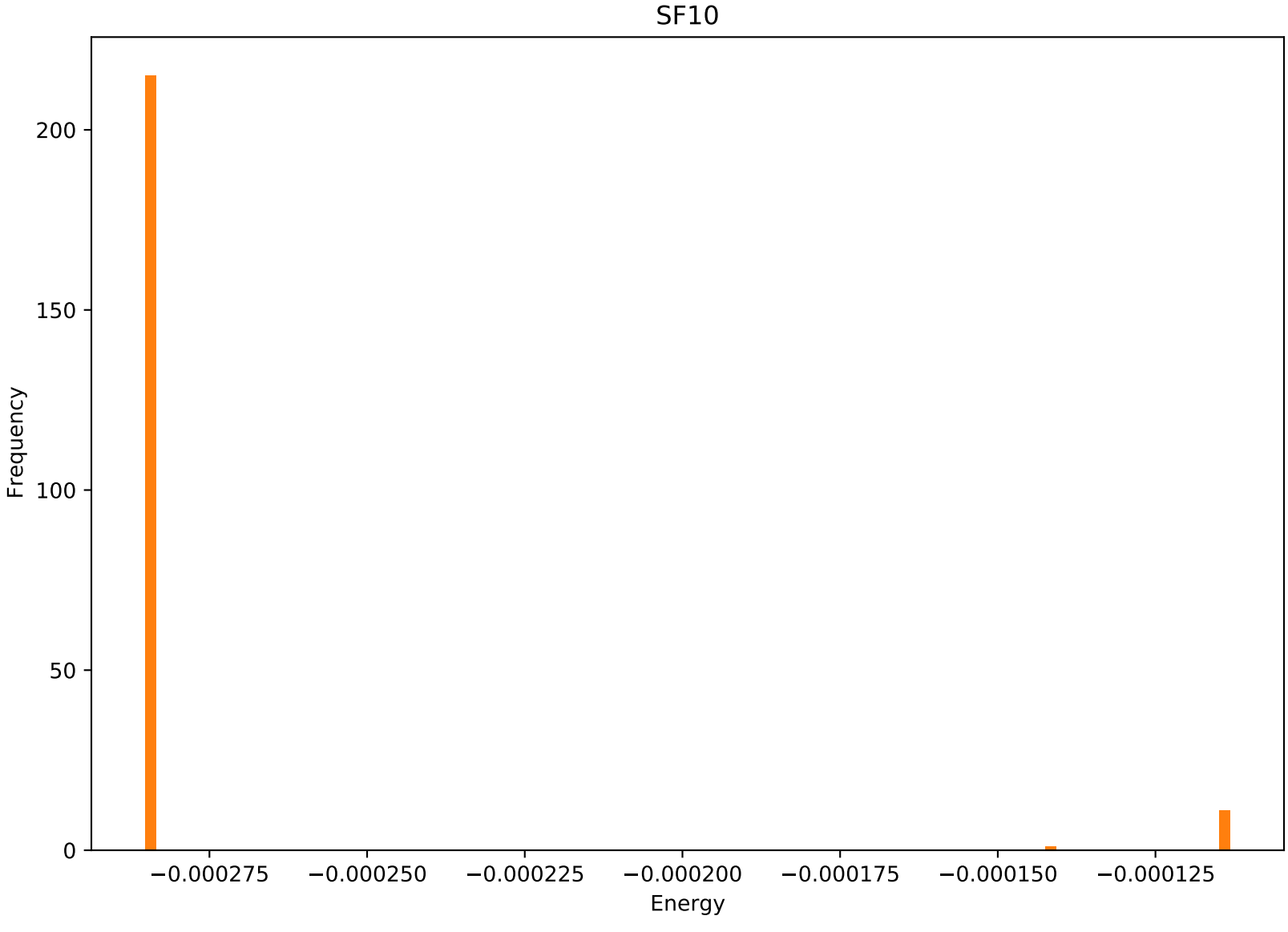

SC6
120
100
80
60
40
20
0
Frequency
−6
−4
−2
0
2
Energy
1e−7−4.89e−2

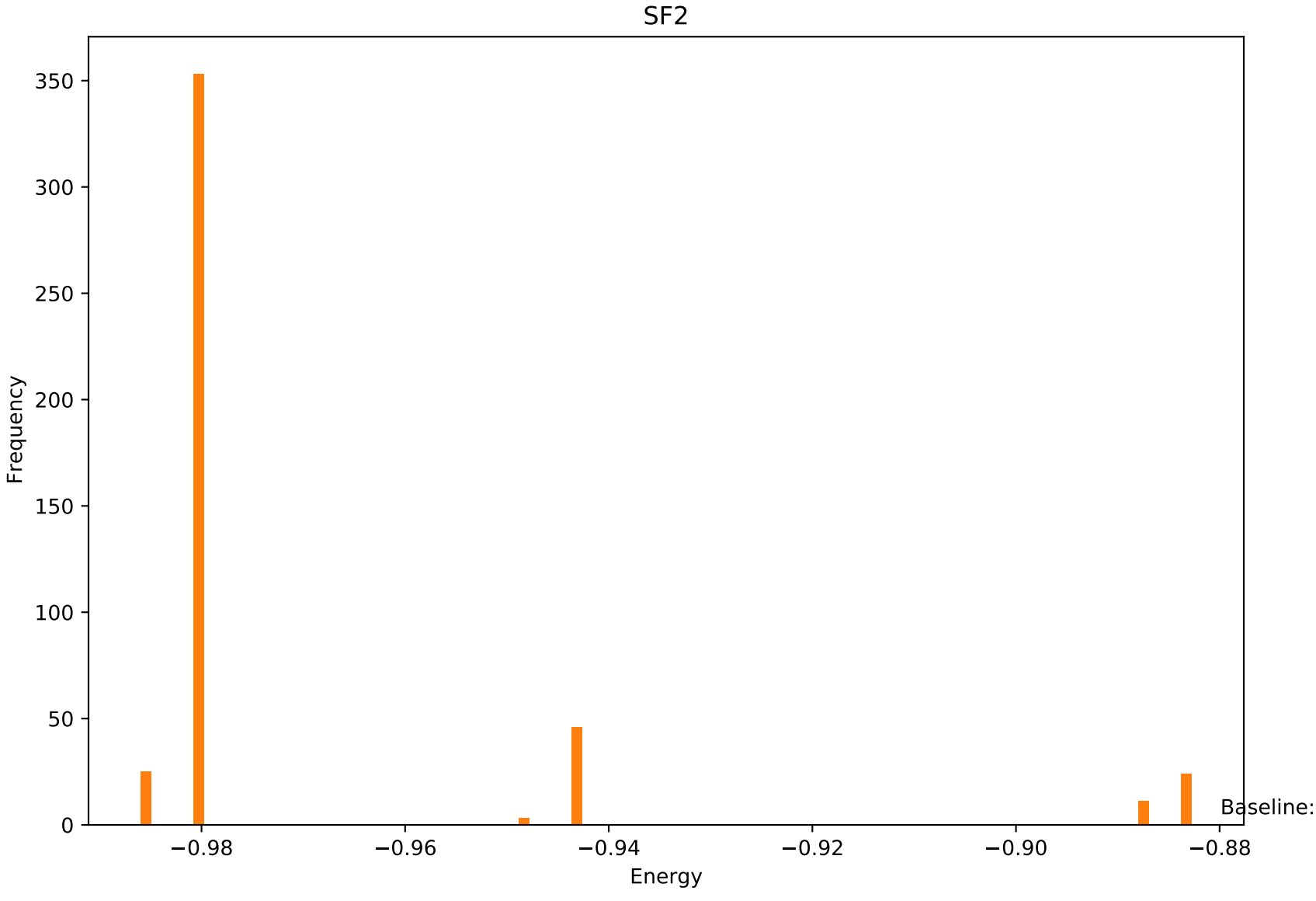

SC7
70
60
50
40
30
20
10
0
Frequency
−6.0
−5.8
−5.6
−5.4
−5.2
Energy
1e−6−4.156e−2


SC8
Frequency
0
10
20
30
40
50
60
70
−9.8
−9.6
−9.4
−9.2
−9.0
−8.8
−8.6
Energy
1e−7−8.994e−3

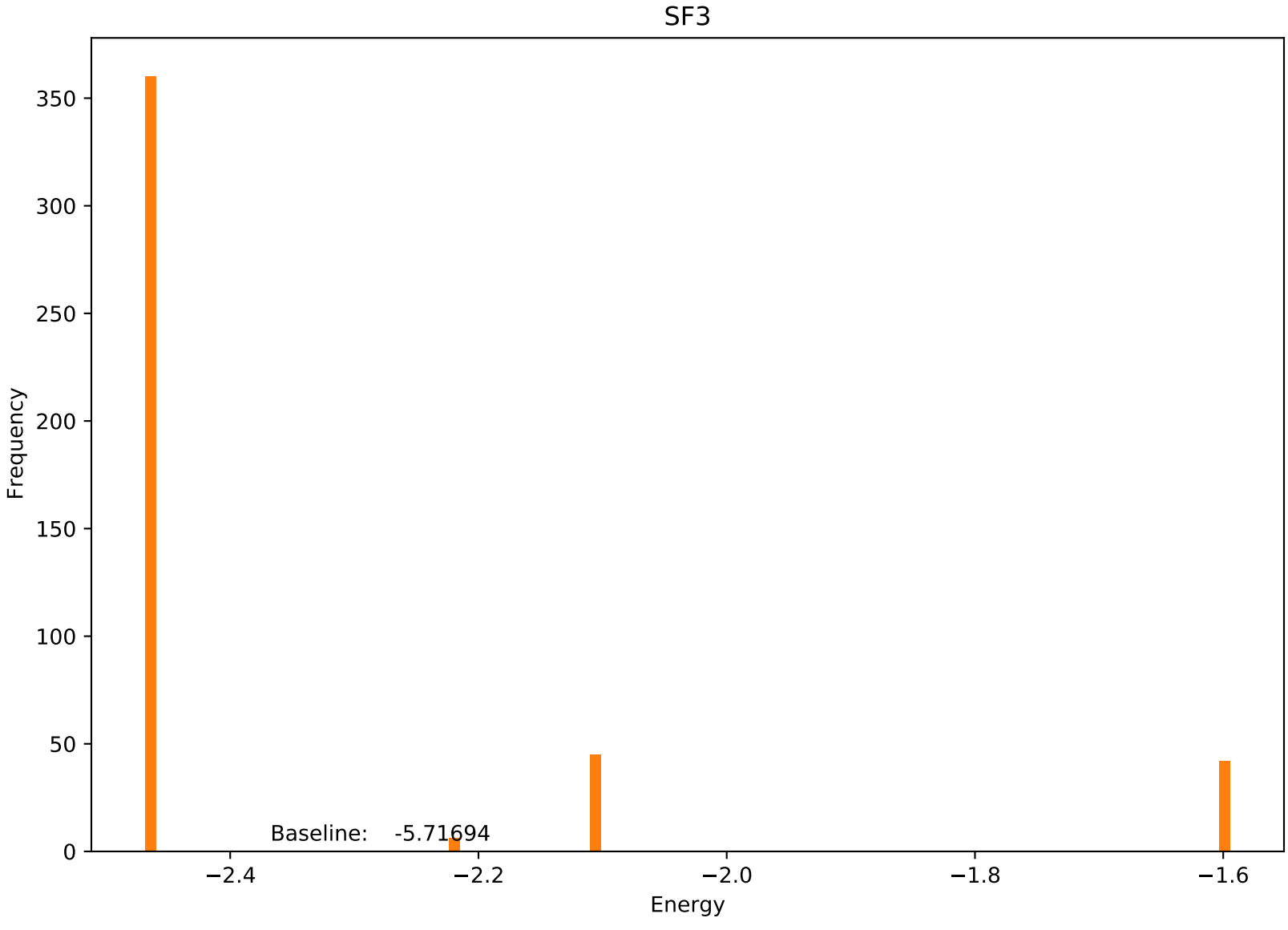

SC9
Frequency
0
5
10
15
20
25
−10
−8
−6
−4
−2
Energy
1e−10−1.616e−6

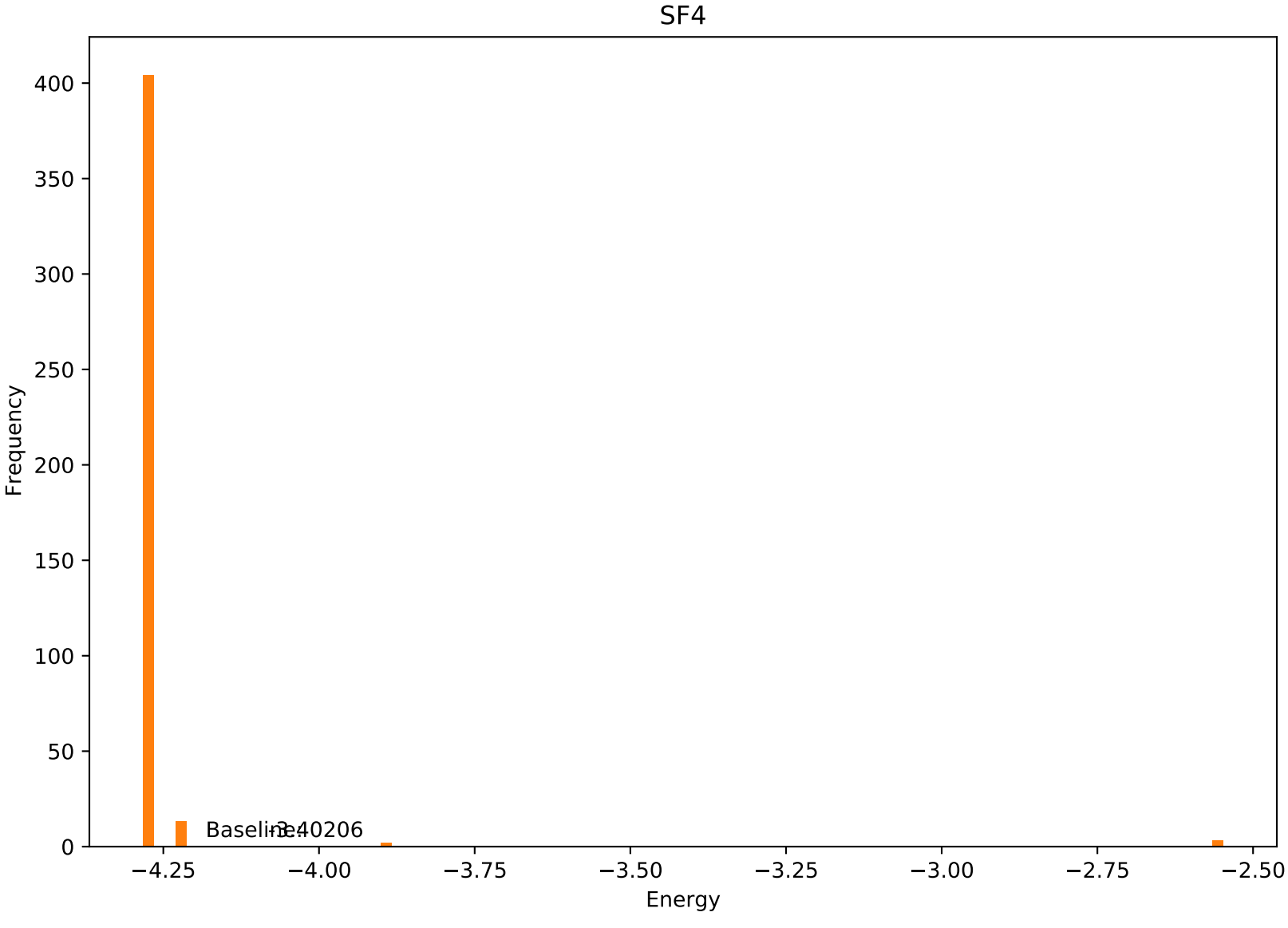

SF1
Frequency
Energy
Baseline: 1.74741
0
50
100
150
200
250
300
350
400
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
2.2

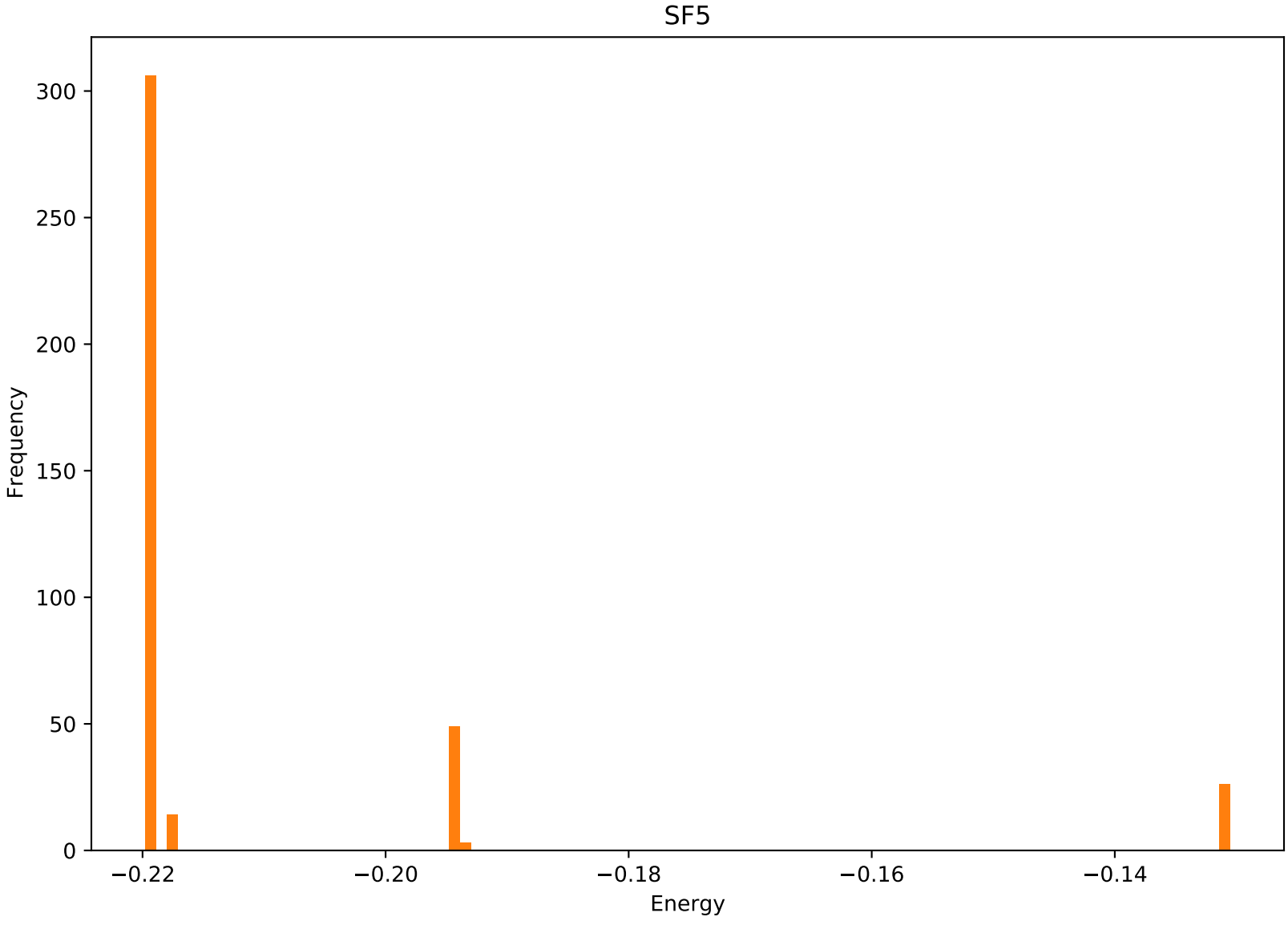

SF10
Frequency
200
150
100
50
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

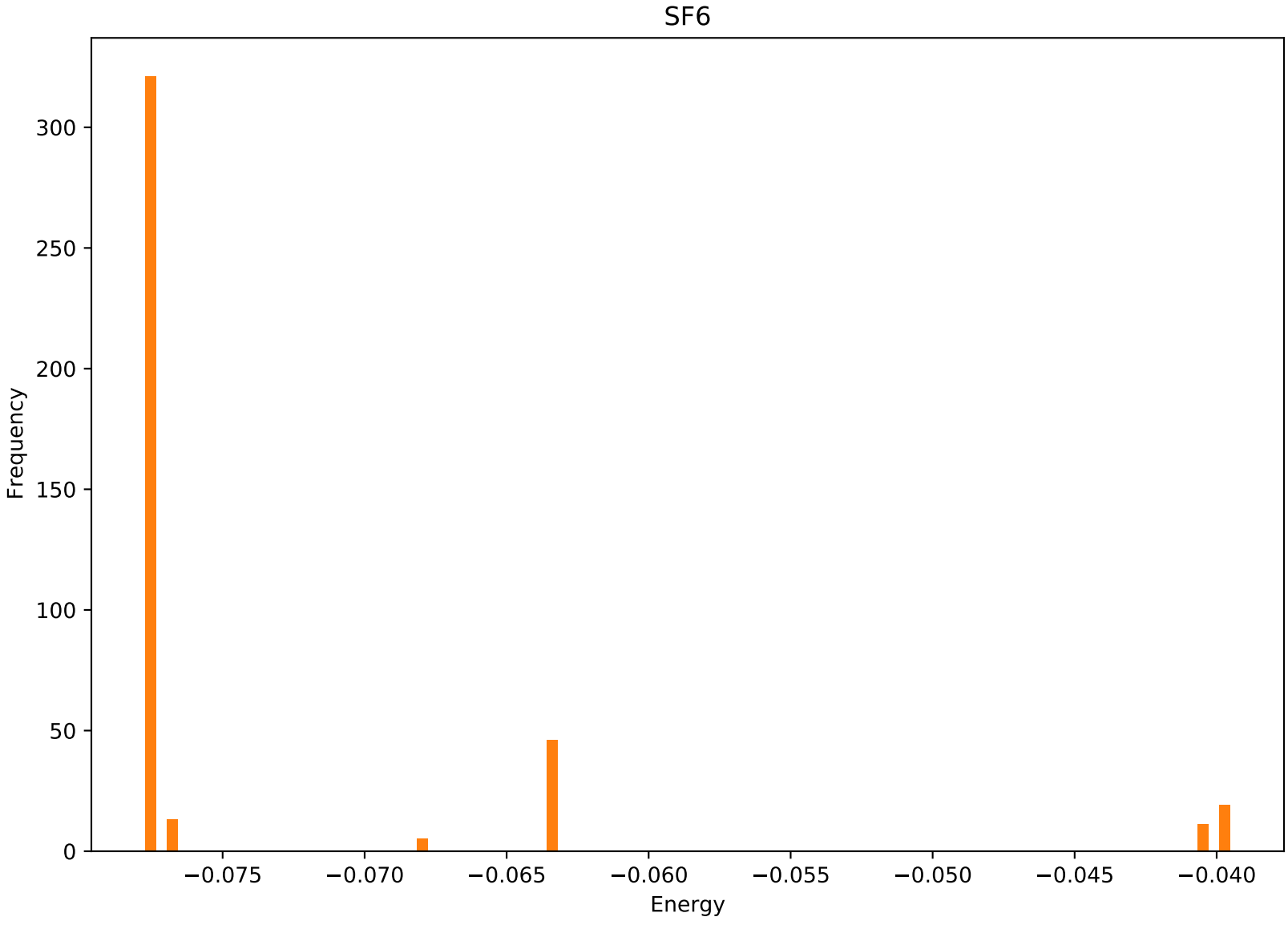

SF2
Frequency
Energy
0
50
100
150
200
250
300
350
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88

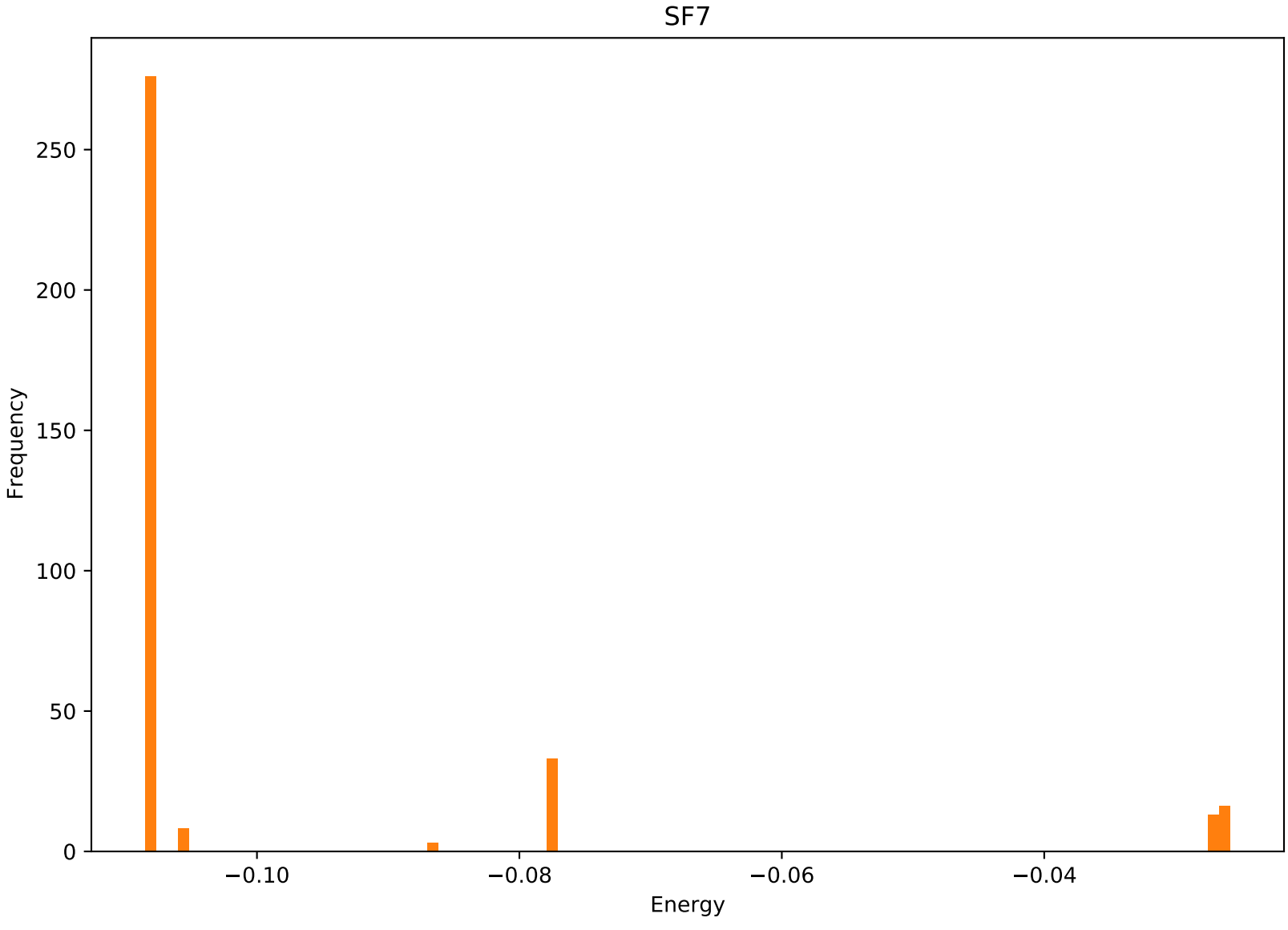
Baseline:

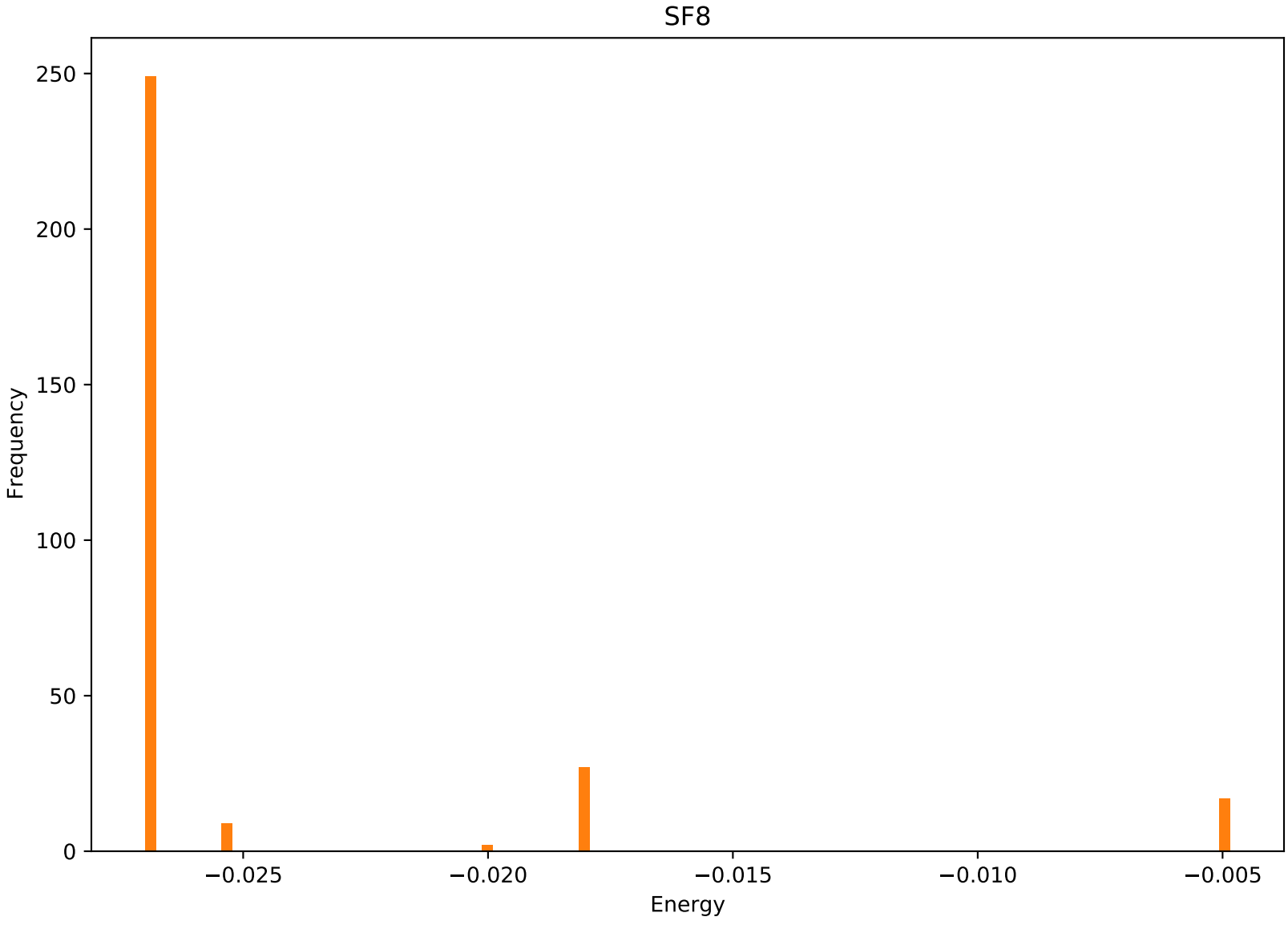

SF3
Frequency
350
300
250
200
150
100
50
0
Baseline: -5.71694
−2.4
−2.2
−2.0
−1.8
−1.6
Energy

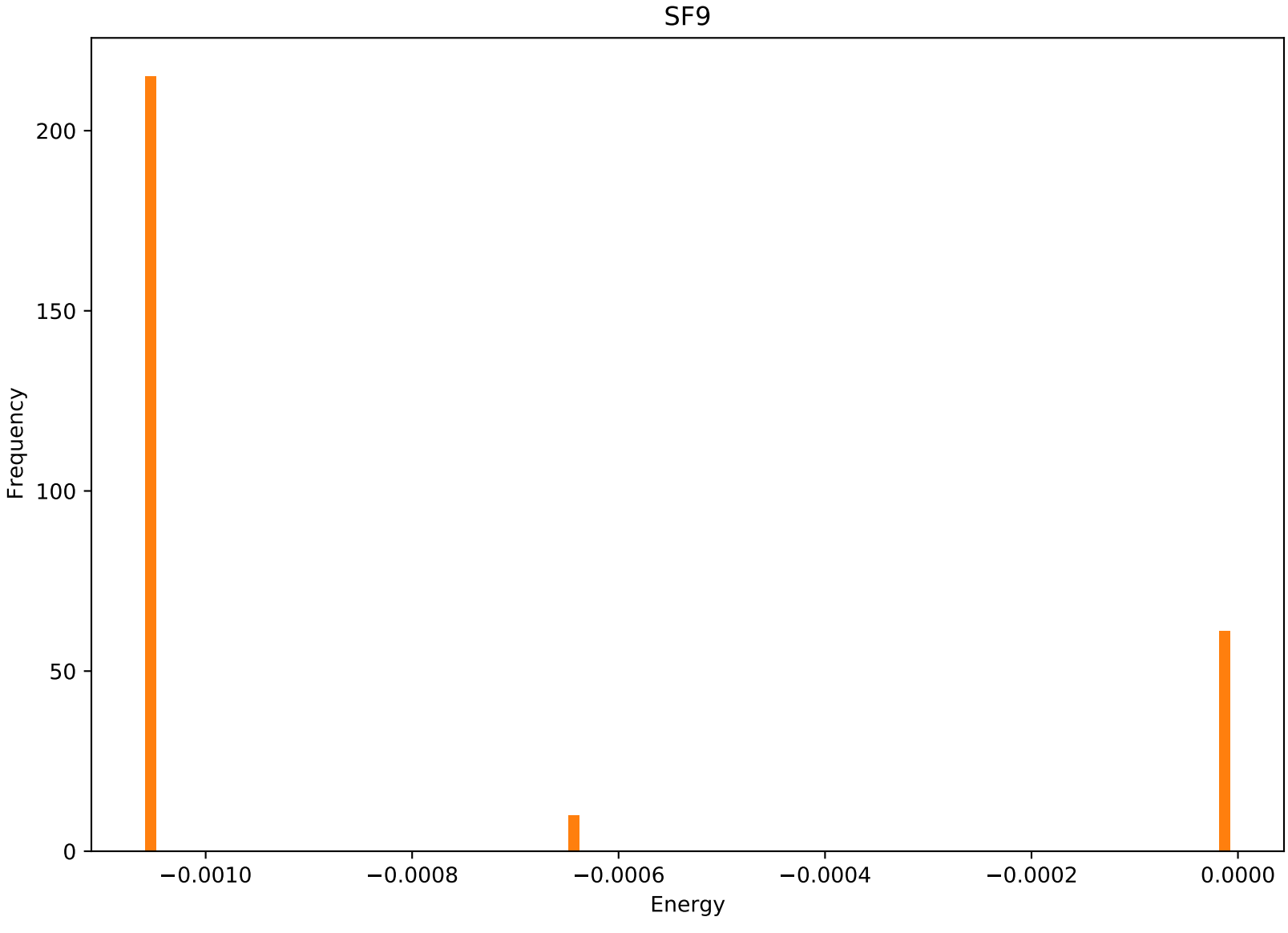

SF4
Frequency
Energy
Baseline: −3.40206
400
350
300
250
200
150
100
50
0
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50

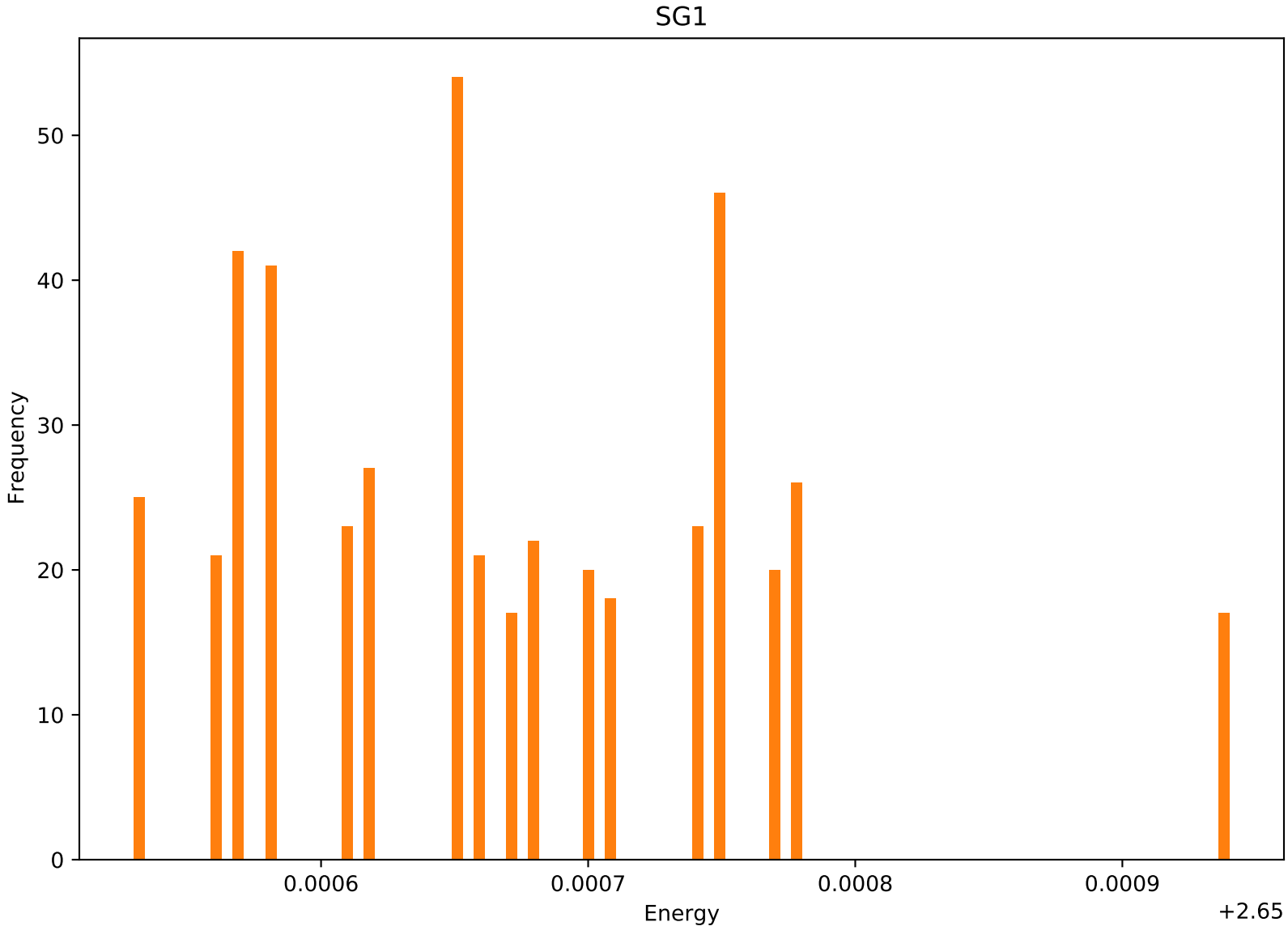

SF5
Frequency
300
250
200
150
100
50
0
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

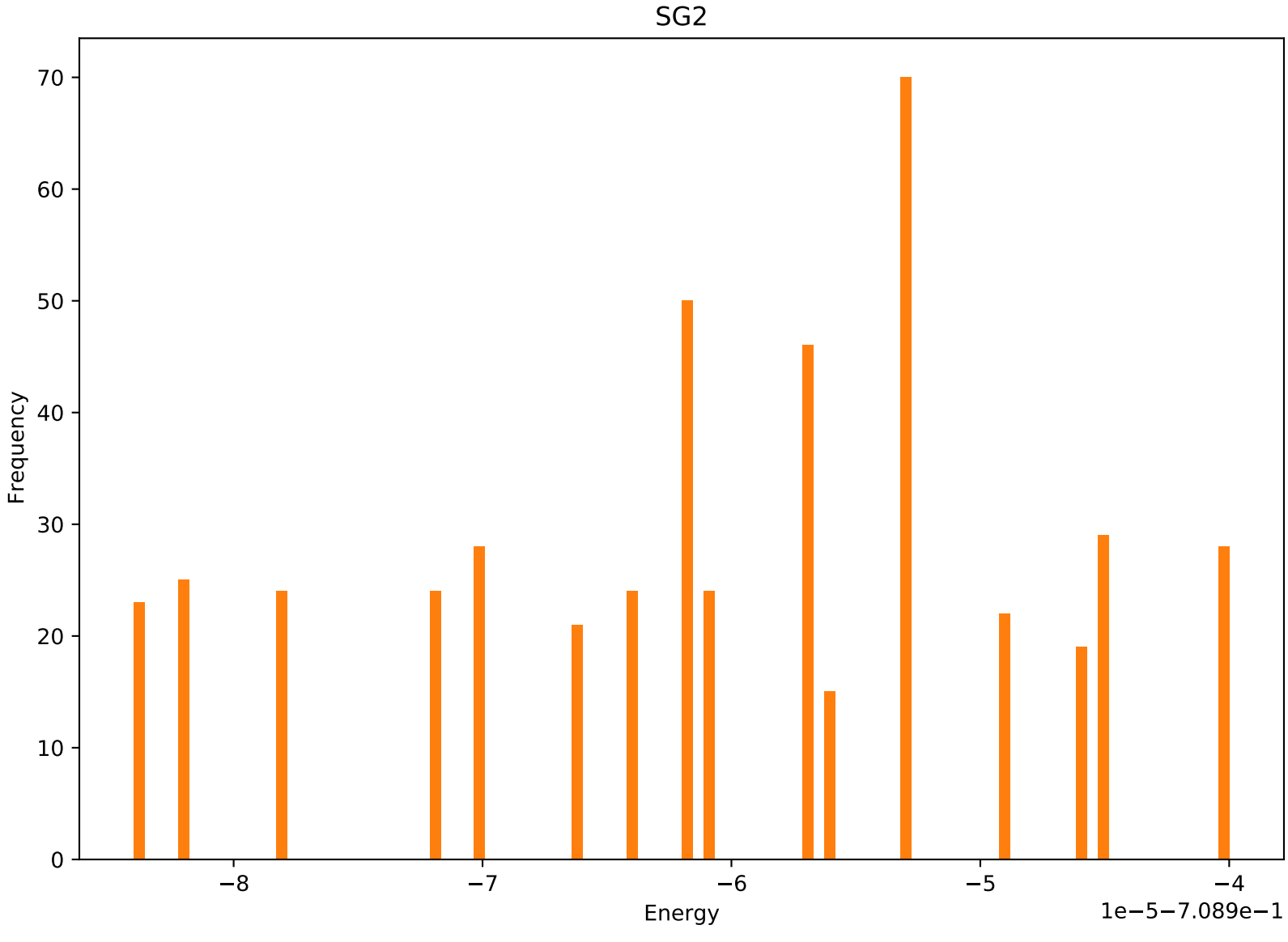

SF6
Frequency
300
250
200
150
100
50
0
−0.075
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

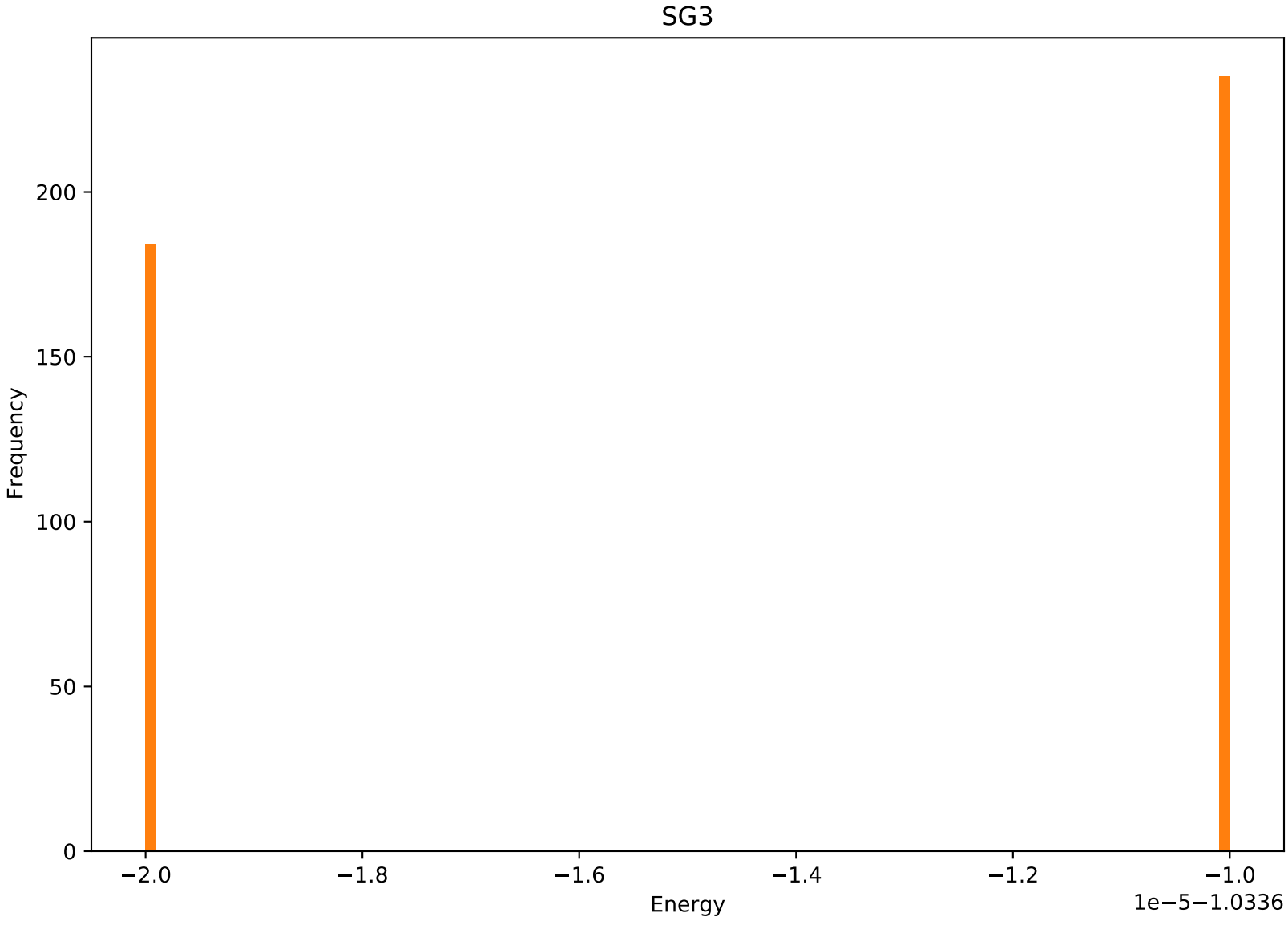

SF7
Frequency
250
200
150
100
50
0
−0.10
−0.08
−0.06
−0.04
Energy

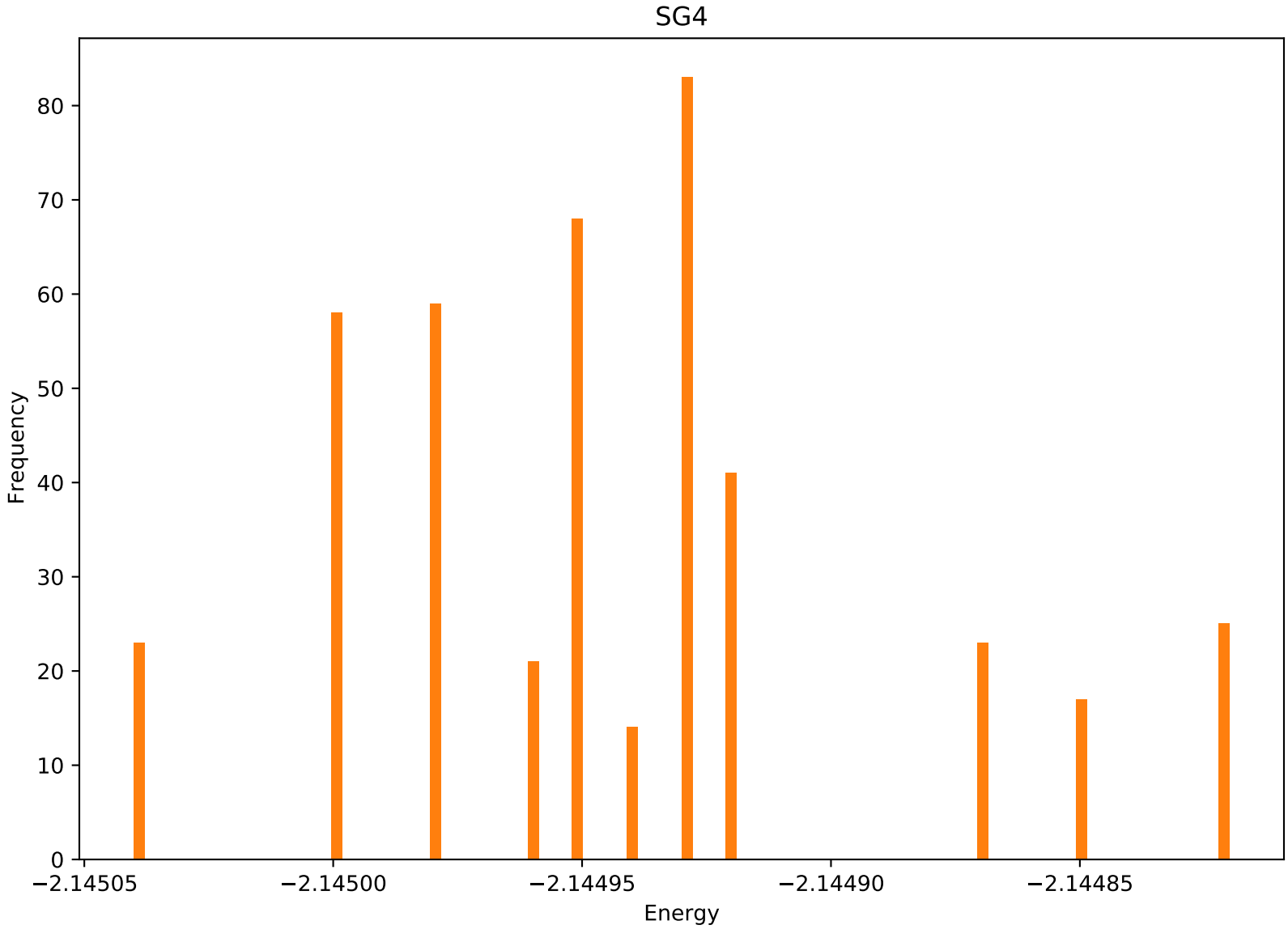

SF8
250
200
150
100
50
0
Frequency
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

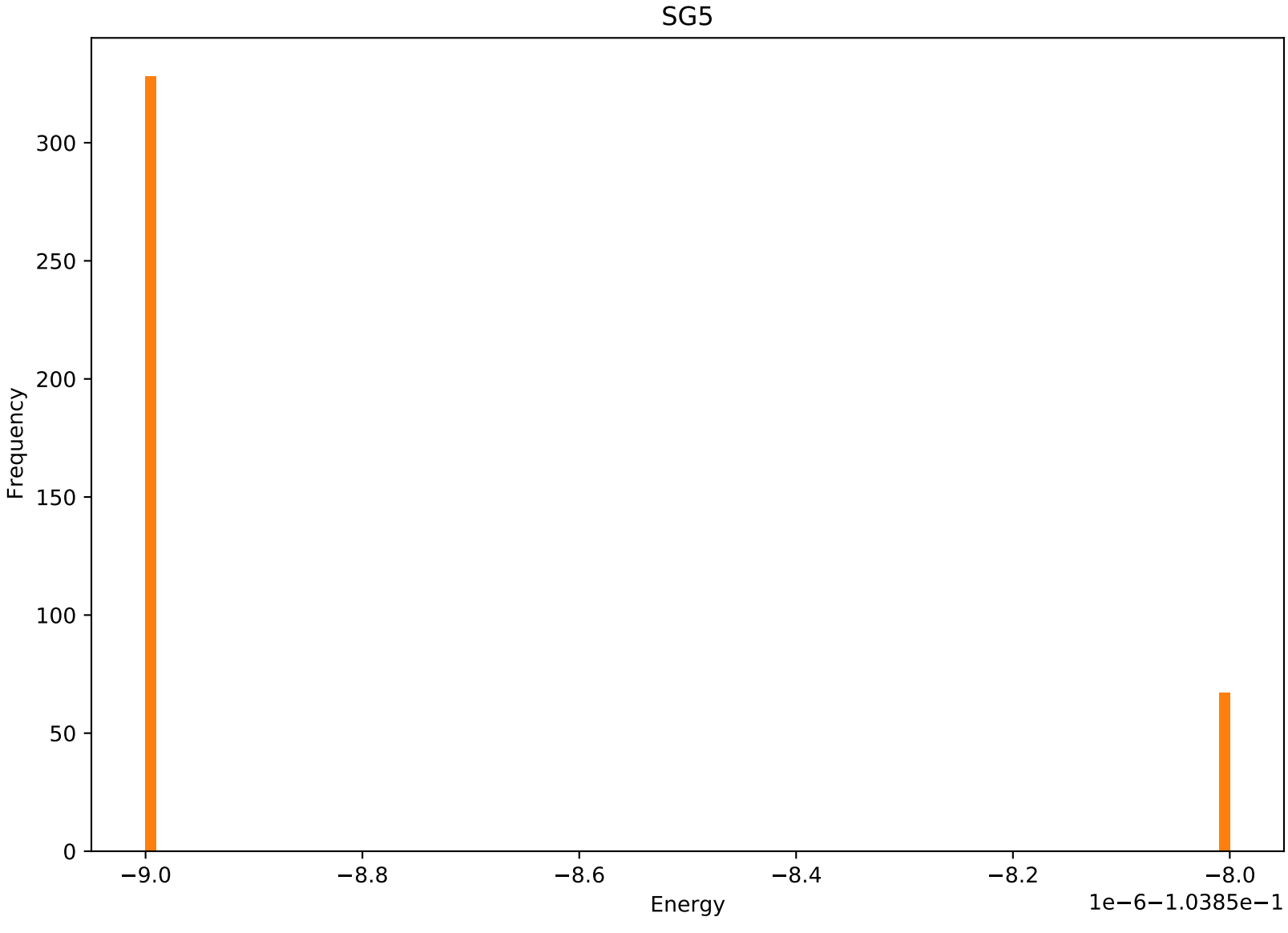

SF9
Frequency
200
150
100
50
0
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

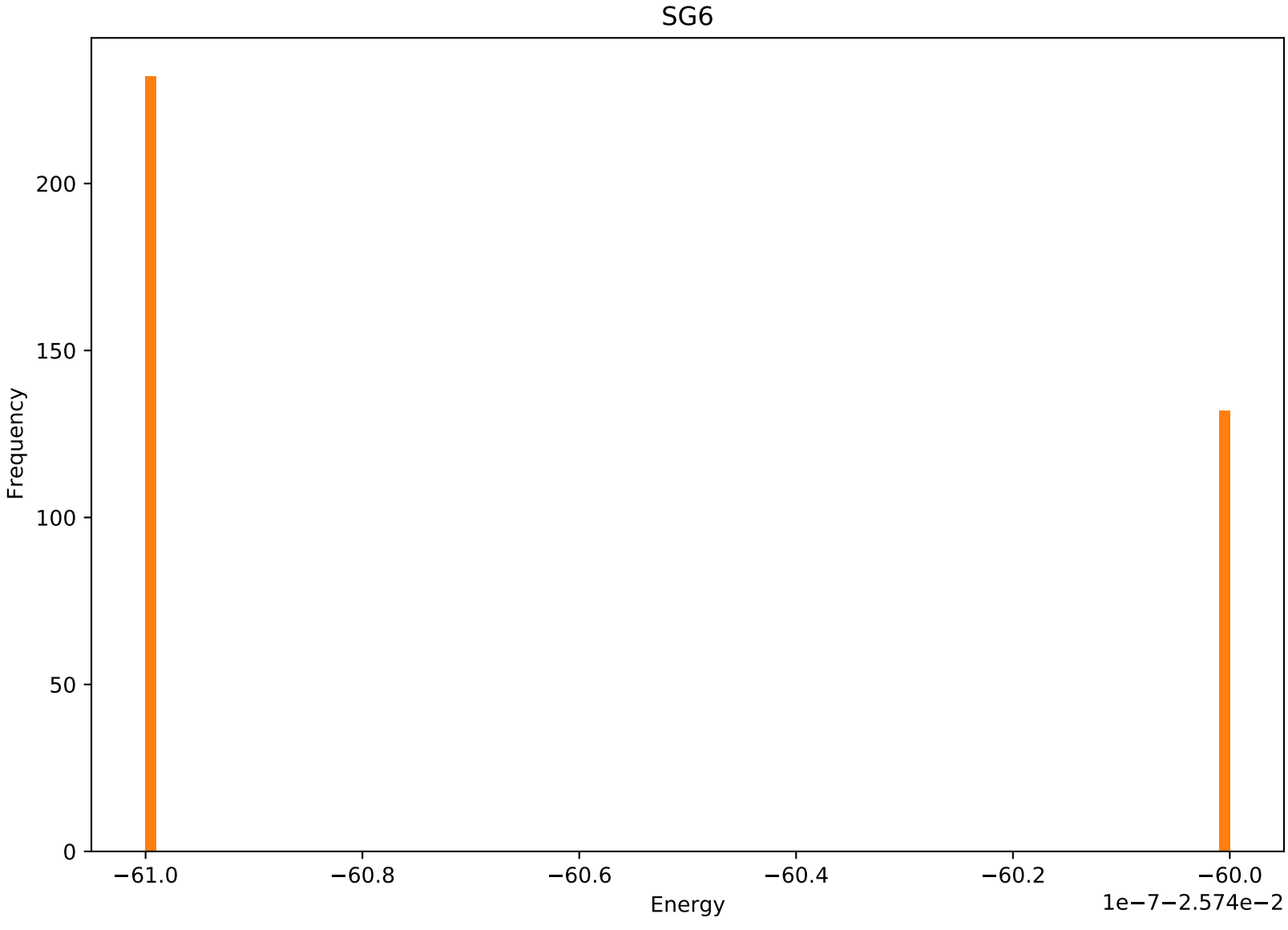

SG1
Frequency
0
10
20
30
40
50
0.0006
0.0007
0.0008
0.0009
Energy
+2.65

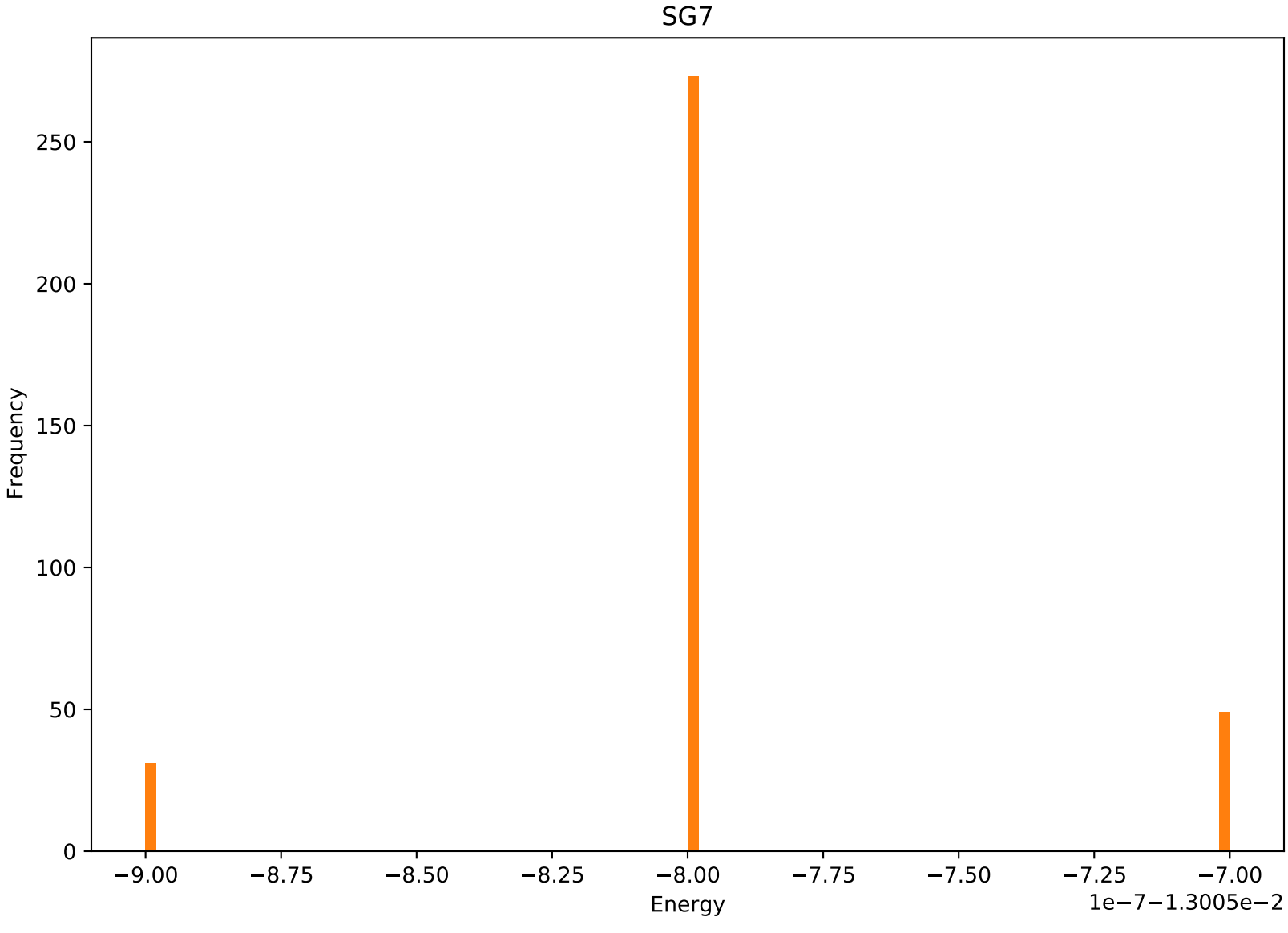

SG2
Frequency
70
60
50
40
30
20
10
0
−8
−7
−6
−5
−4
Energy
1e−5−7.089e−1

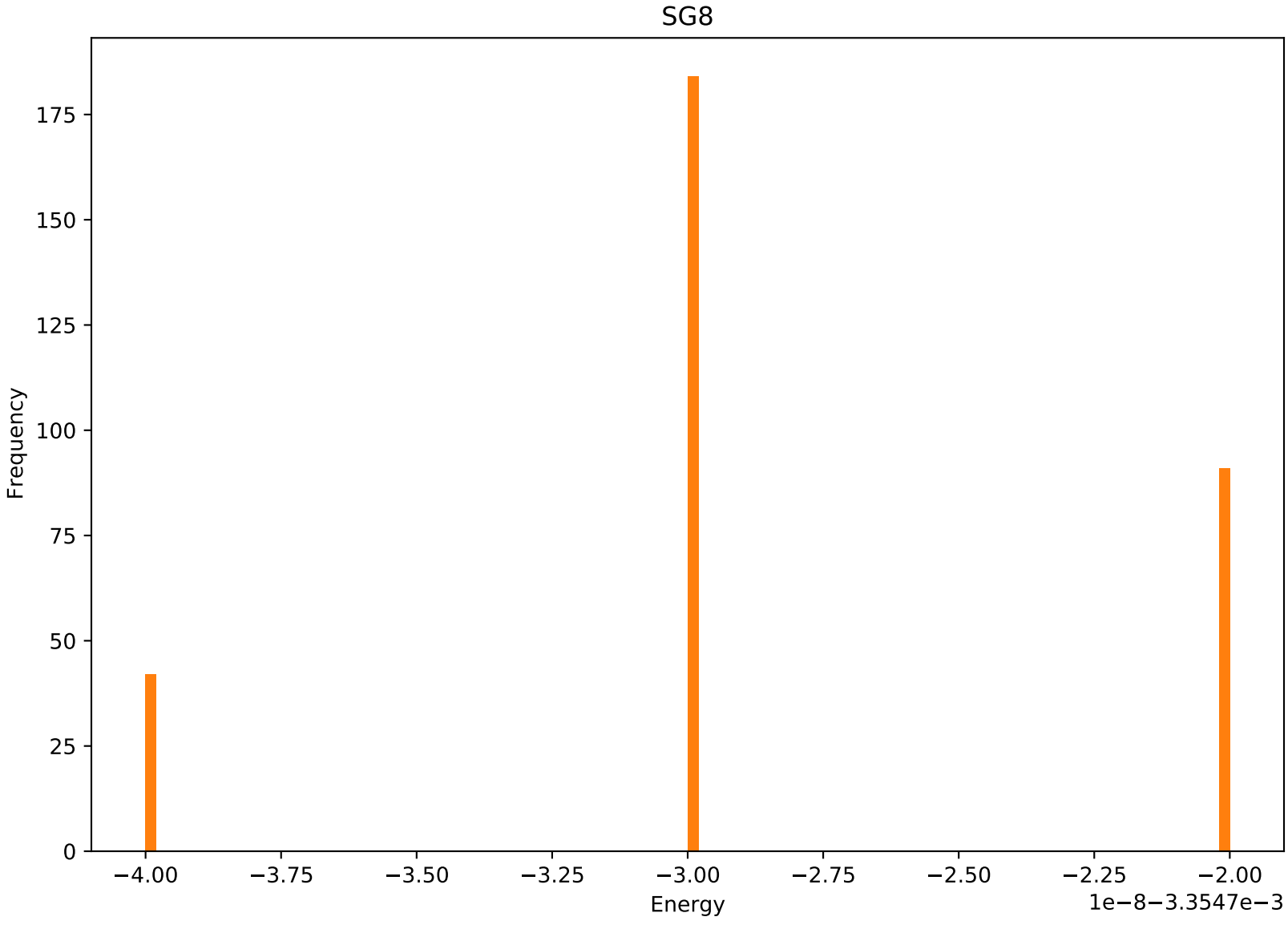

SG3
Frequency
200
150
100
50
0
−2.0
−1.8
−1.6
−1.4
−1.2
−1.0
Energy
1e−5−1.0336

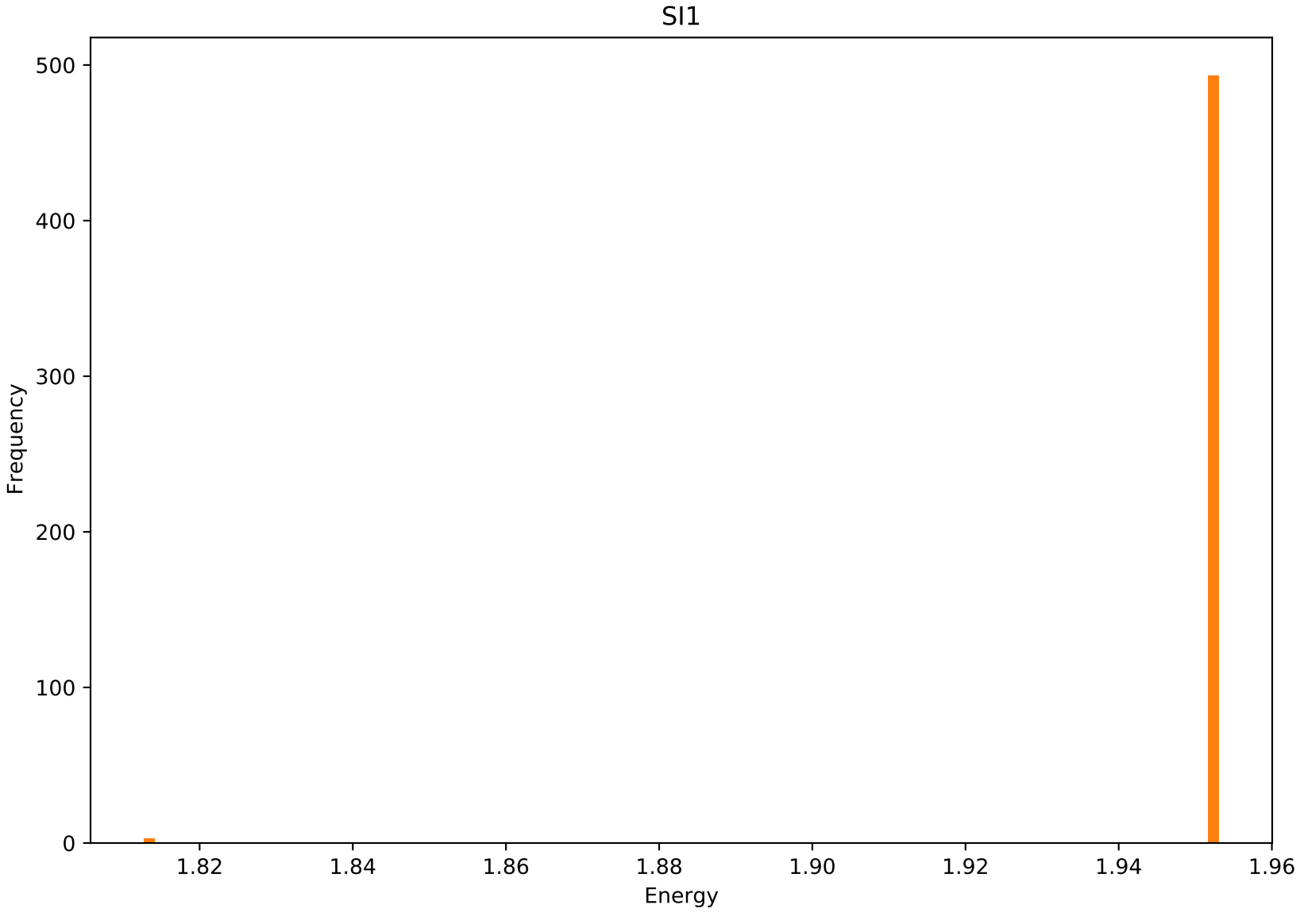

SG4
Frequency
0
10
20
30
40
50
60
70
80
−2.14505
−2.14500
−2.14495
−2.14490
−2.14485
Energy

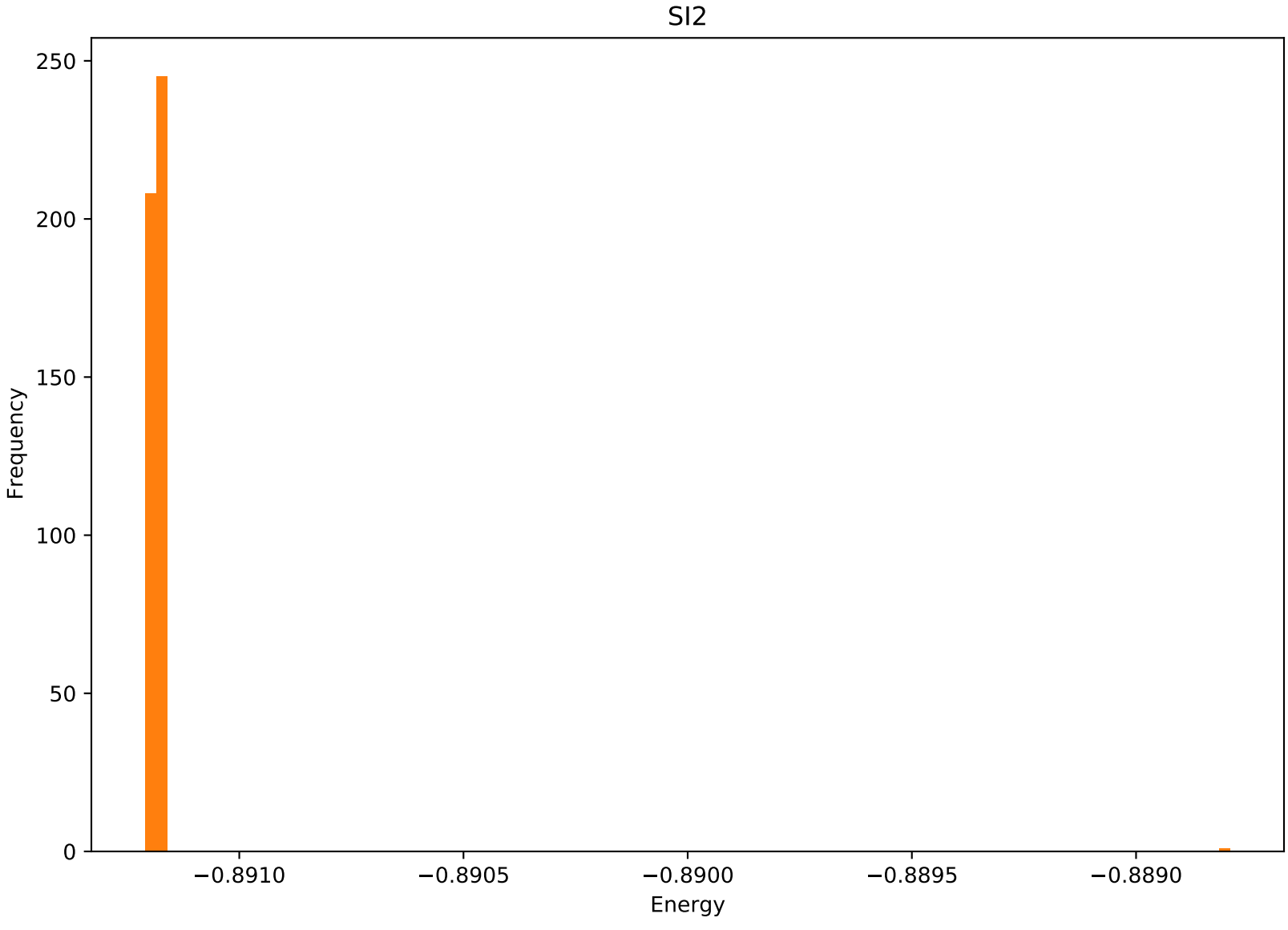

SG5
Frequency
300
250
200
150
100
50
0
−9.0
−8.8
−8.6
−8.4
−8.2
−8.0
Energy
1e−6−1.0385e−1

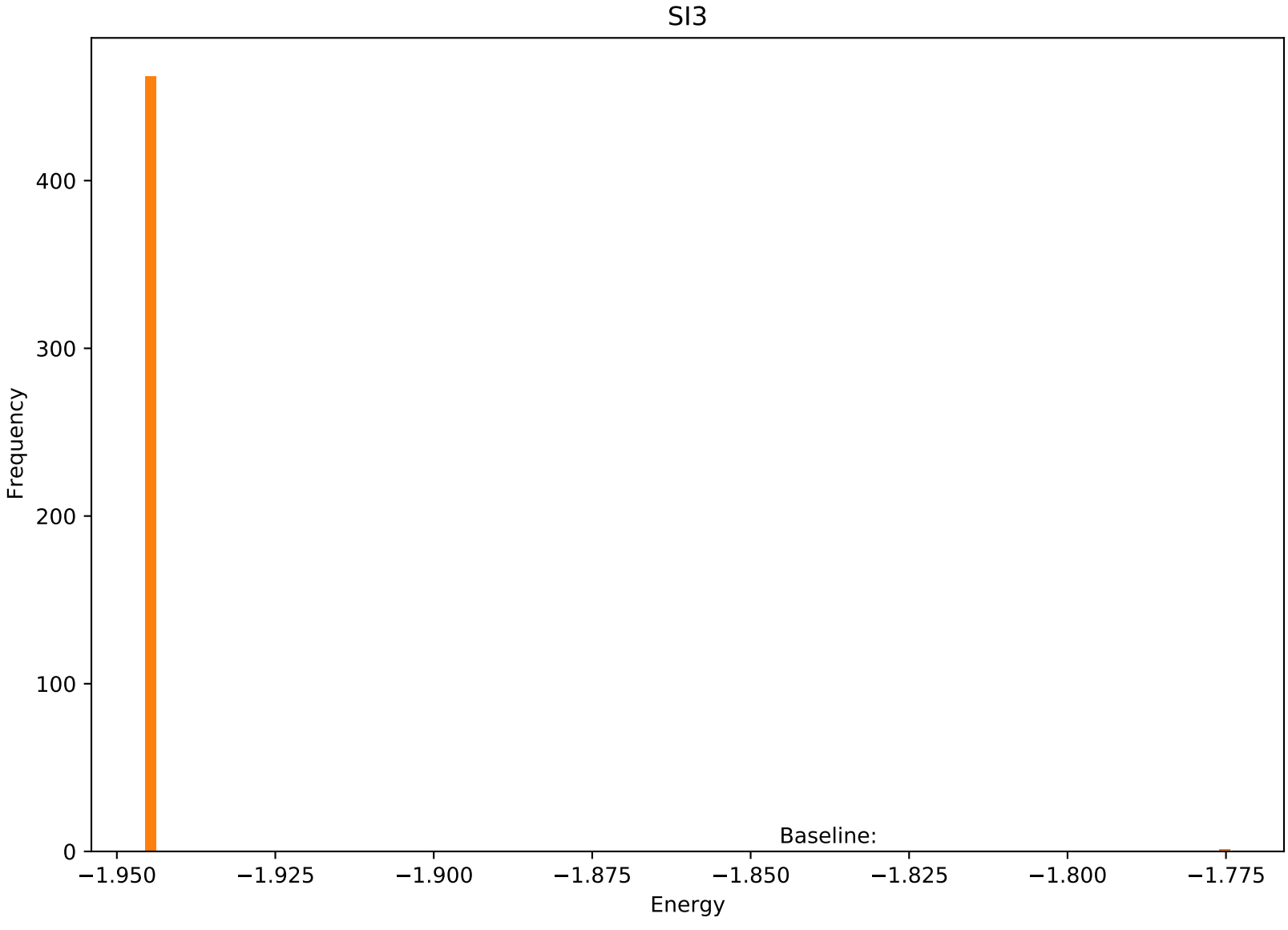

SG6
Frequency
200
150
100
50
0
−61.0
−60.8
−60.6
−60.4
−60.2
−60.0
1e−7−2.574e−2
Energy

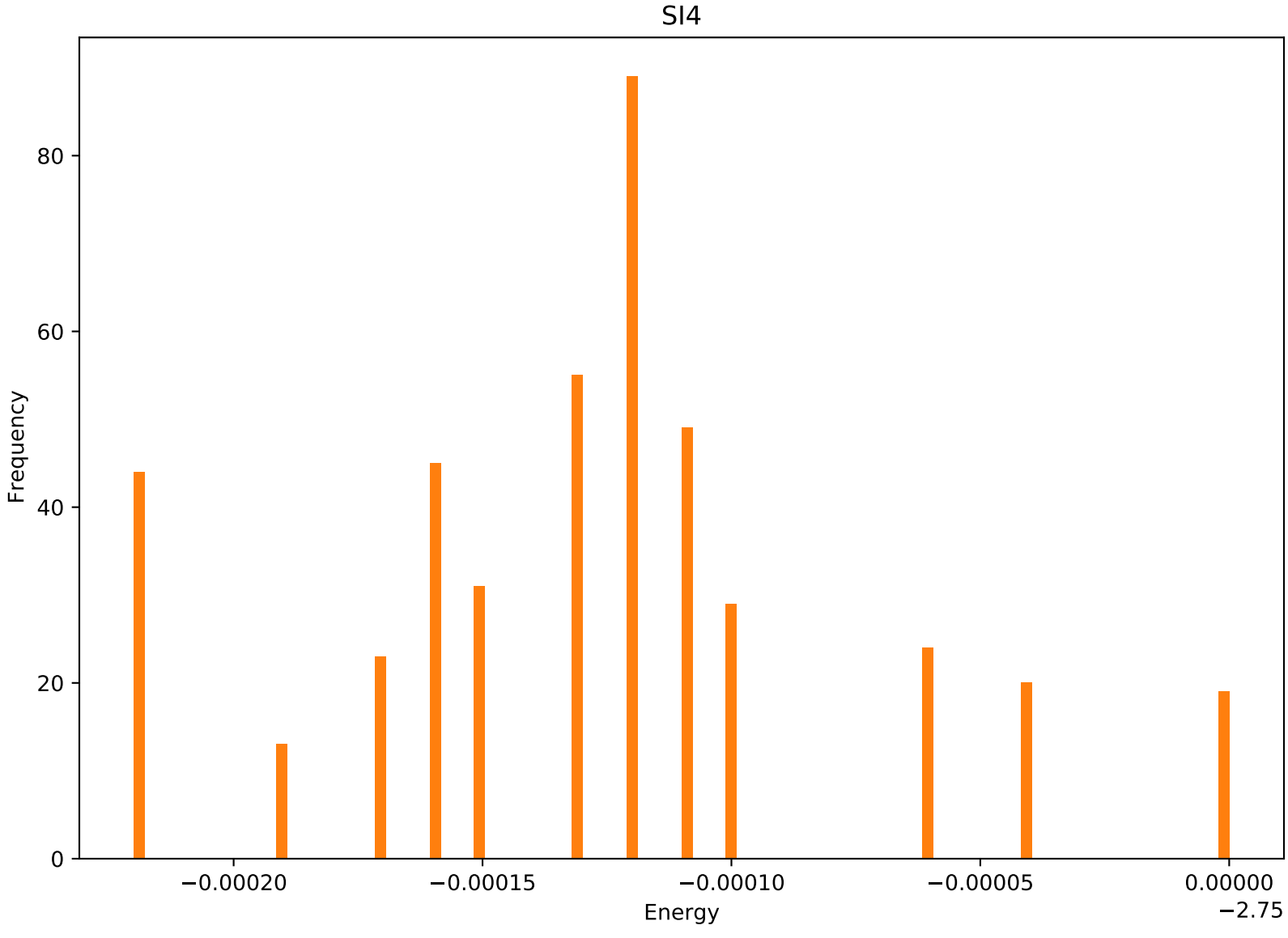

SG7
Frequency
250
200
150
100
50
0
−9.00
−8.75
−8.50
−8.25
−8.00
−7.75
−7.50
−7.25
−7.00
Energy
1e−7−1.3005e−2

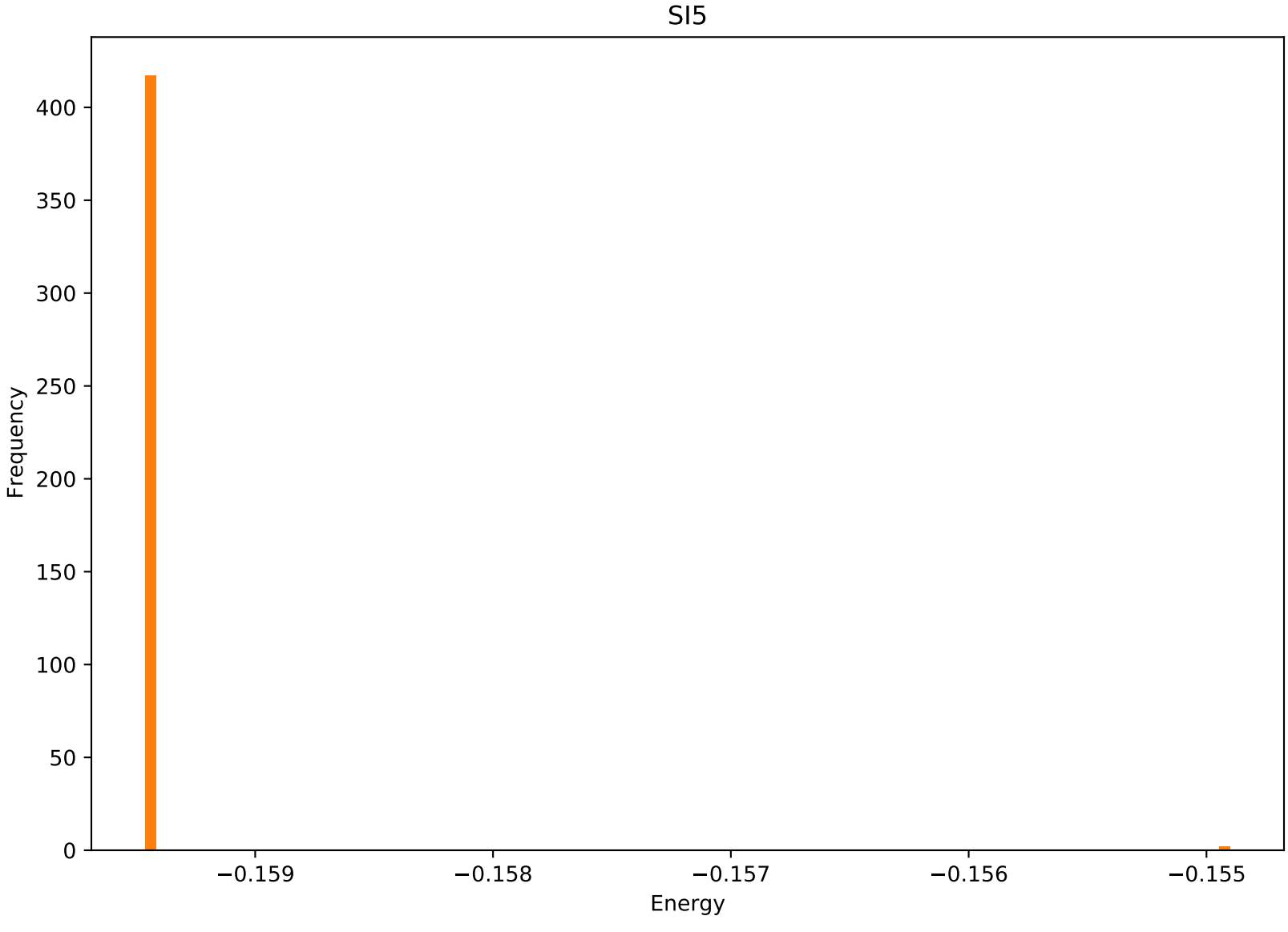

SG8
Frequency
175
150
125
100
75
50
25
0
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
Energy
1e−8−3.3547e−3

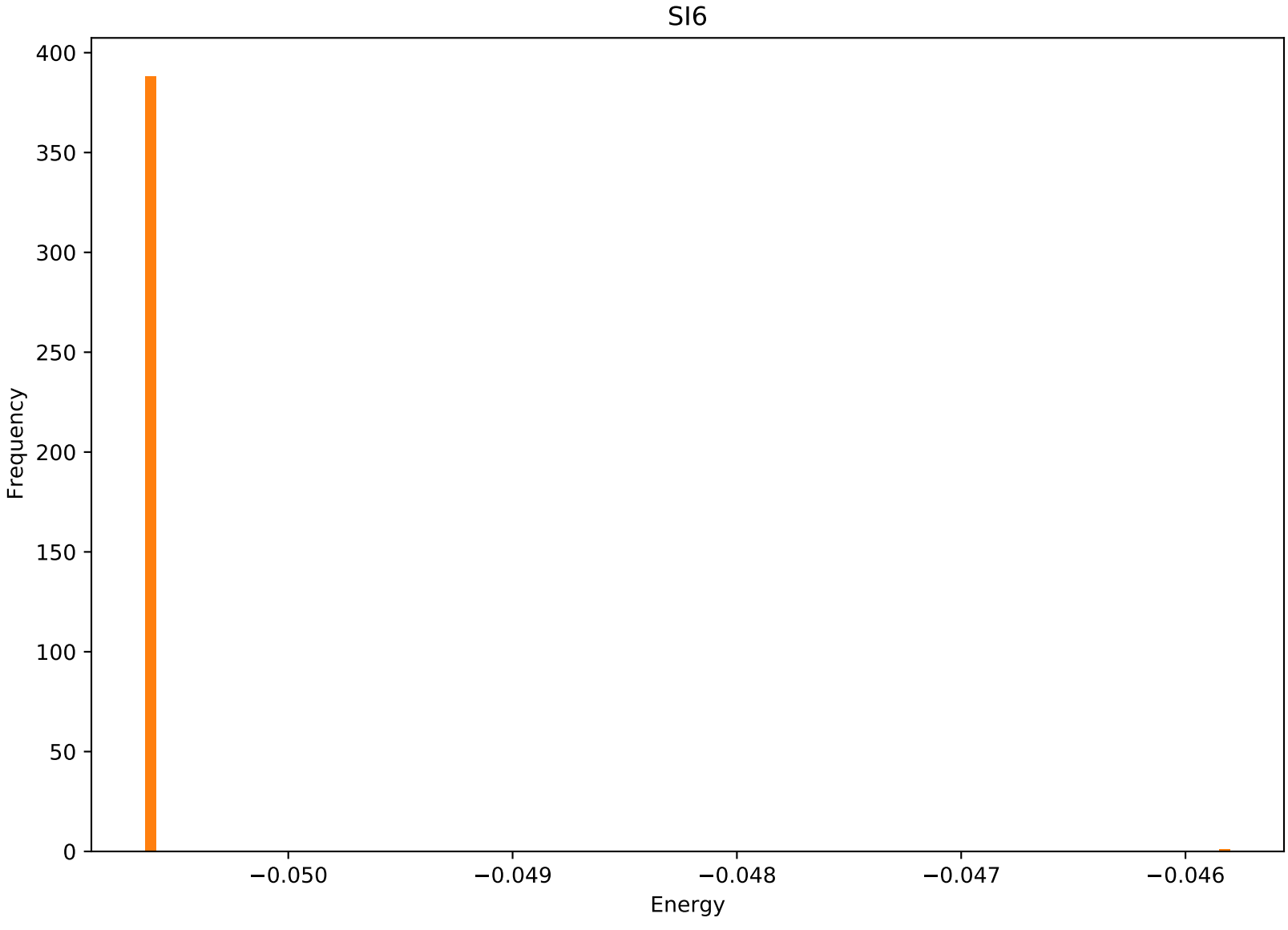

SI1
500
400
300
200
100
0
Frequency
1.82
1.84
1.86
1.88
1.90
1.92
1.94
1.96
Energy

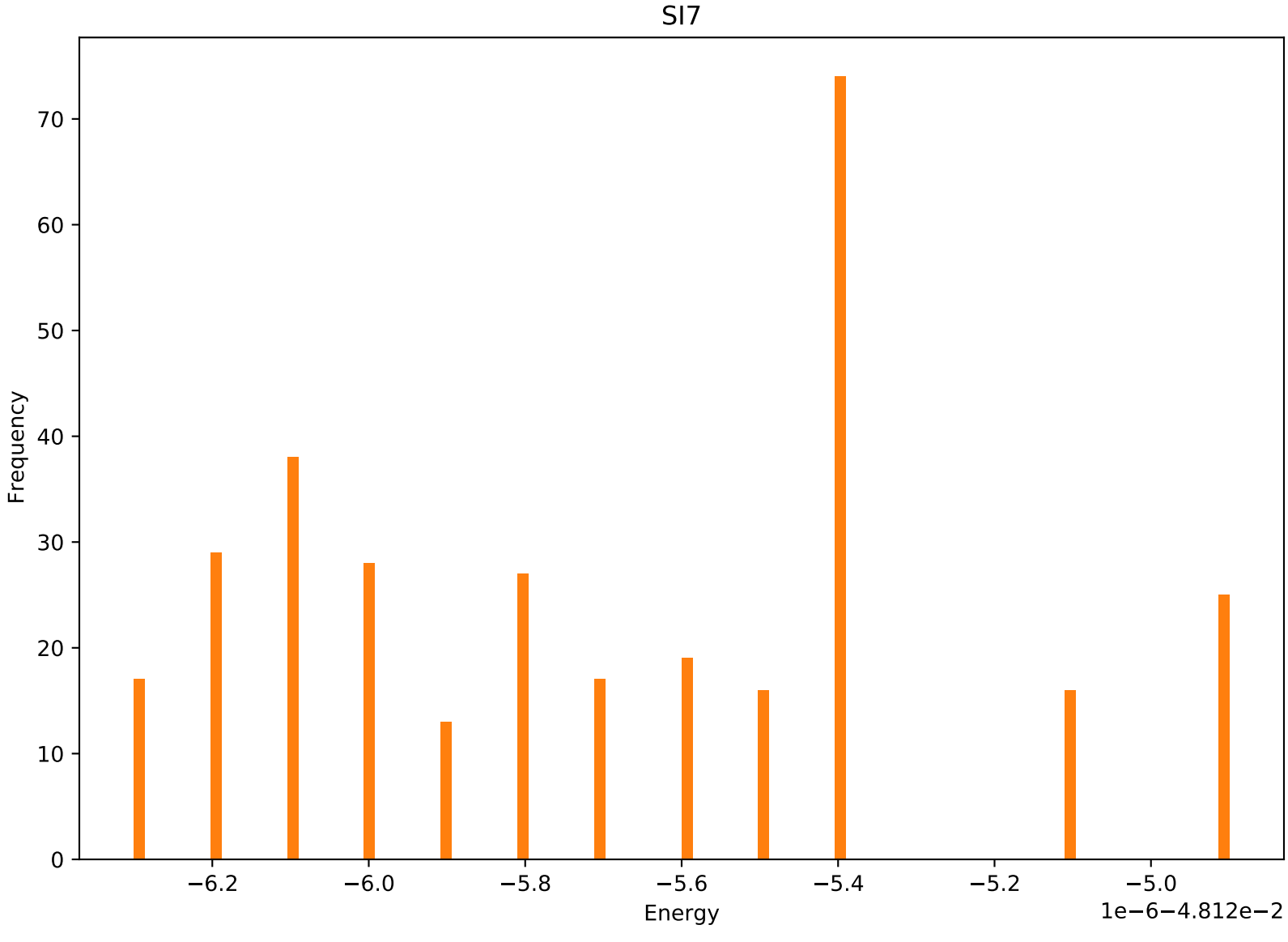

SI2
250
200
150
100
50
0
Frequency
−0.8910
−0.8905
−0.8900
−0.8895
−0.8890
Energy

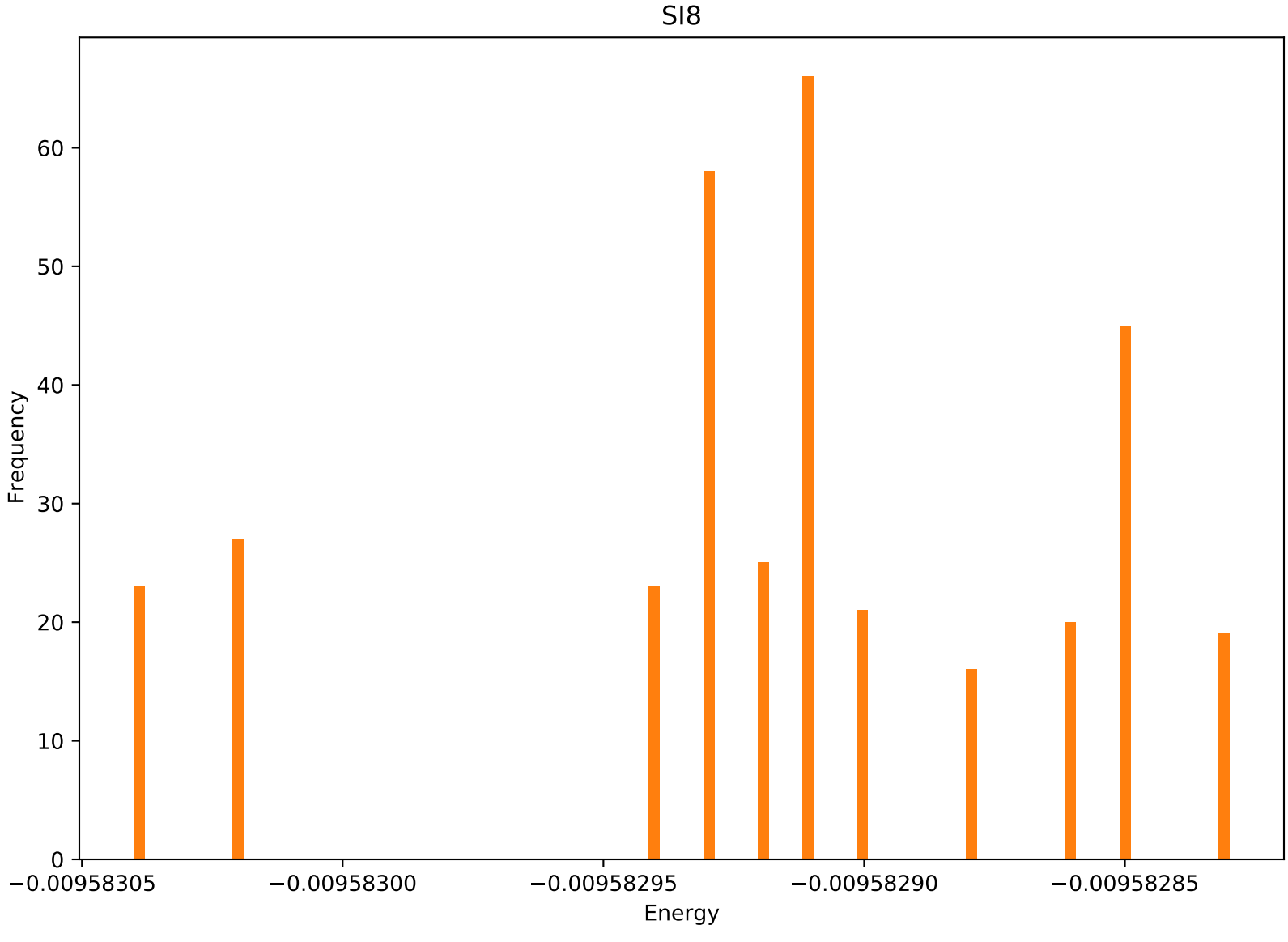

SI3
Frequency
400
300
200
100
0
Baseline:
−1.950
−1.925
−1.900
−1.875
−1.850
−1.825
−1.800
−1.775
Energy

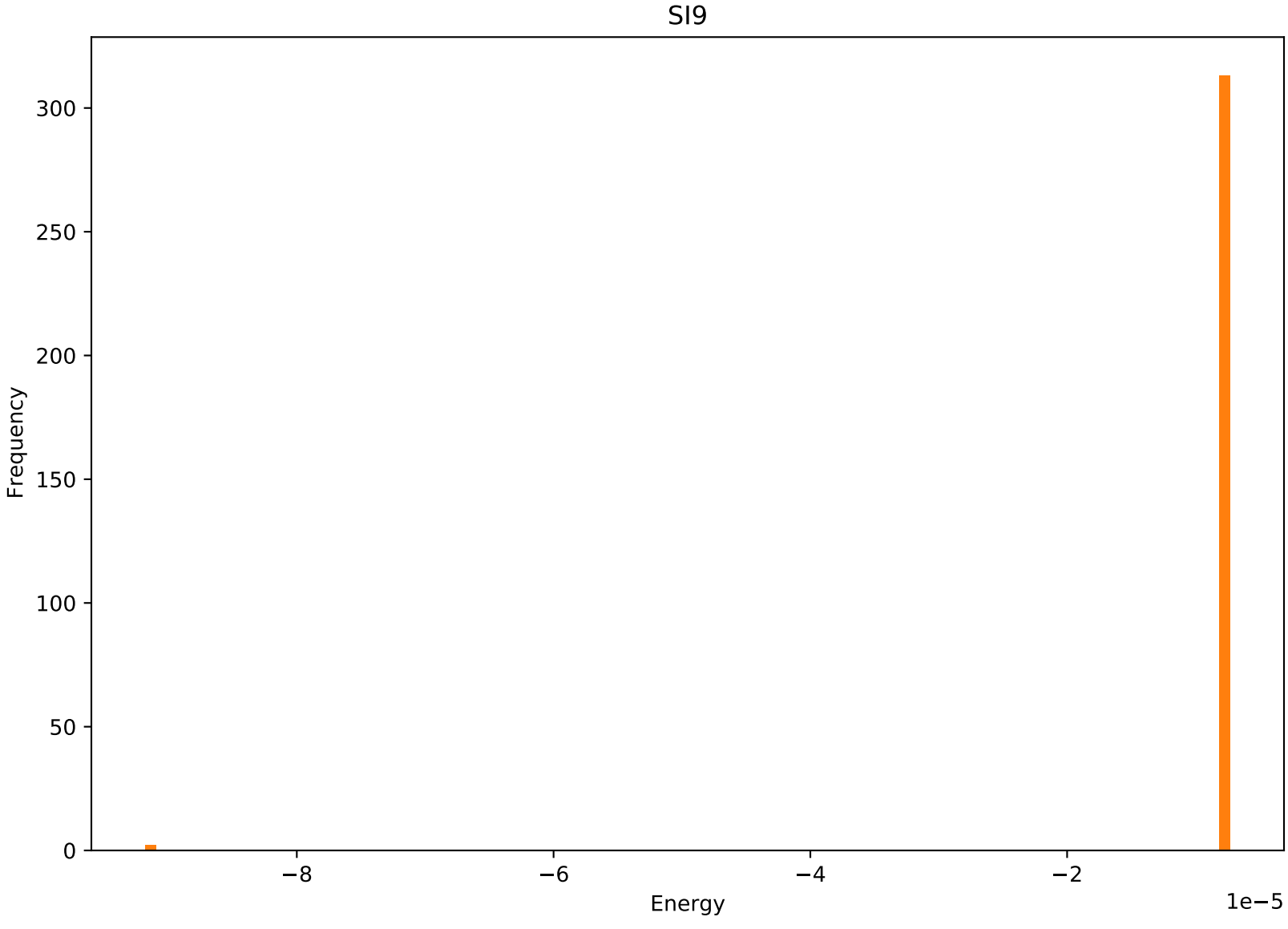

SI4
Frequency
0
20
40
60
80
−0.00020
−0.00015
−0.00010
−0.00005
0.00000
Energy
−2.75

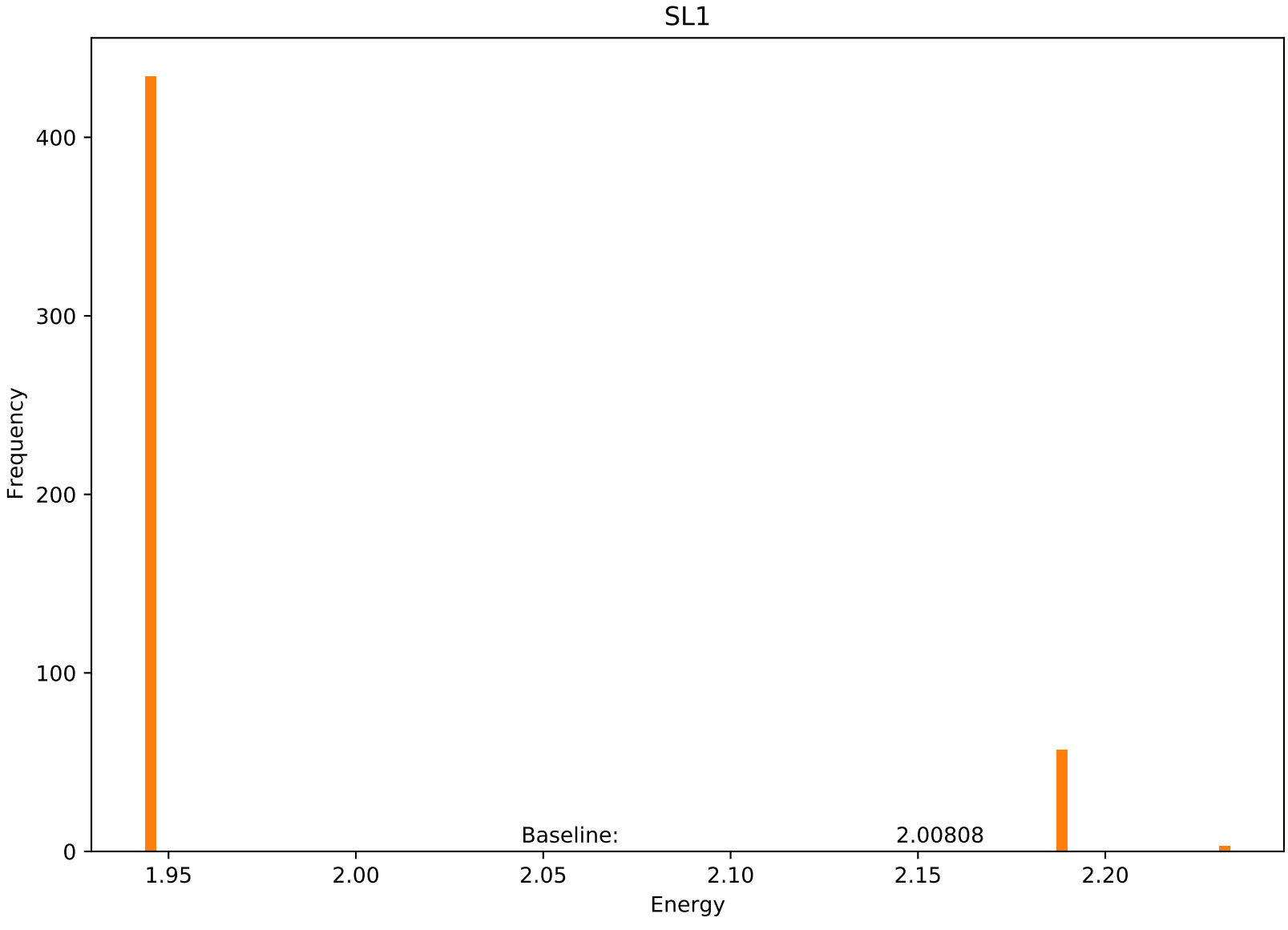

SI5
Frequency
400
350
300
250
200
150
100
50
0
−0.159
−0.158
−0.157
−0.156
−0.155
Energy

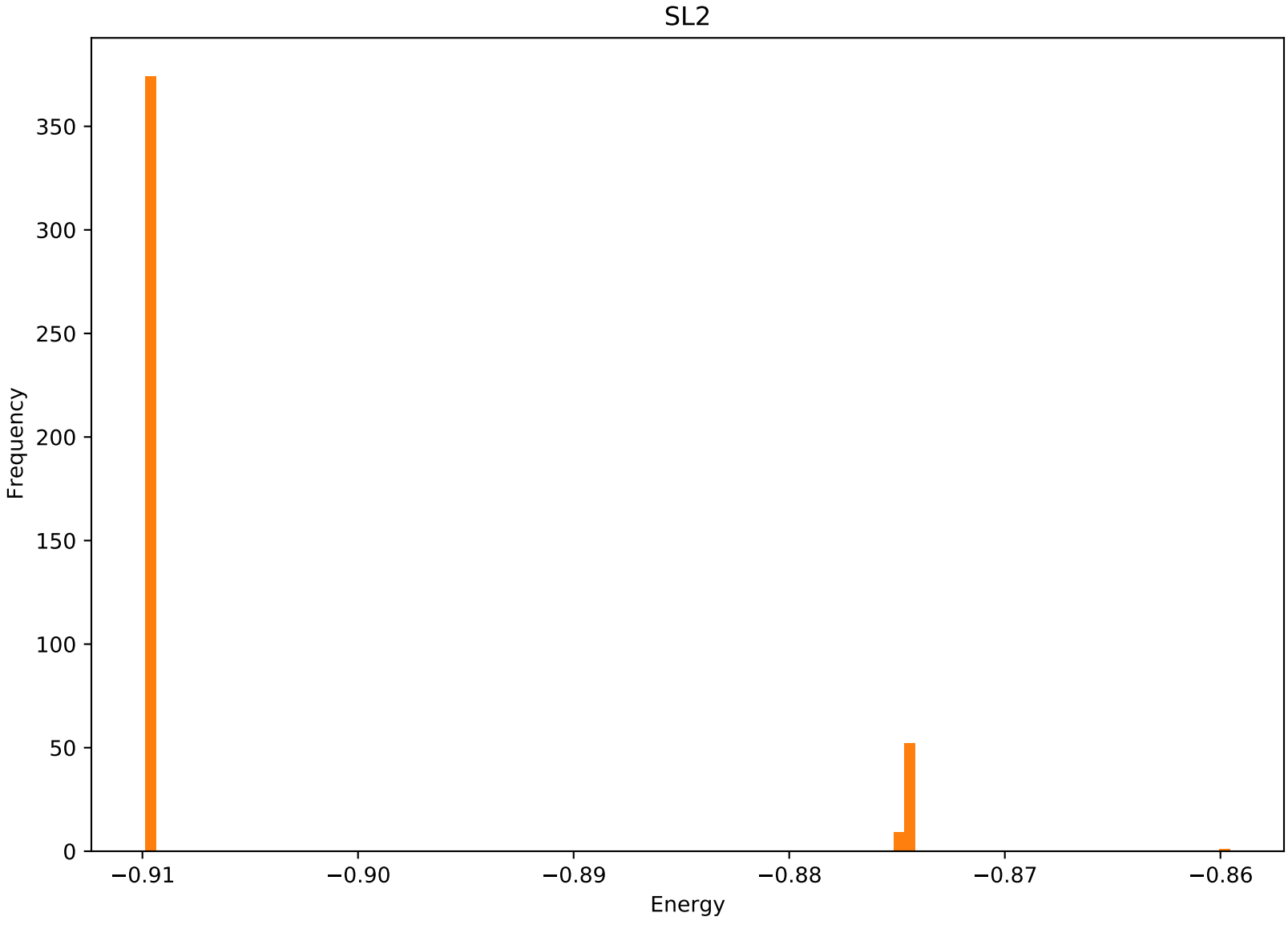

SI6
Frequency
Energy
400
350
300
250
200
150
100
50
0
−0.050
−0.049
−0.048
−0.047
−0.046

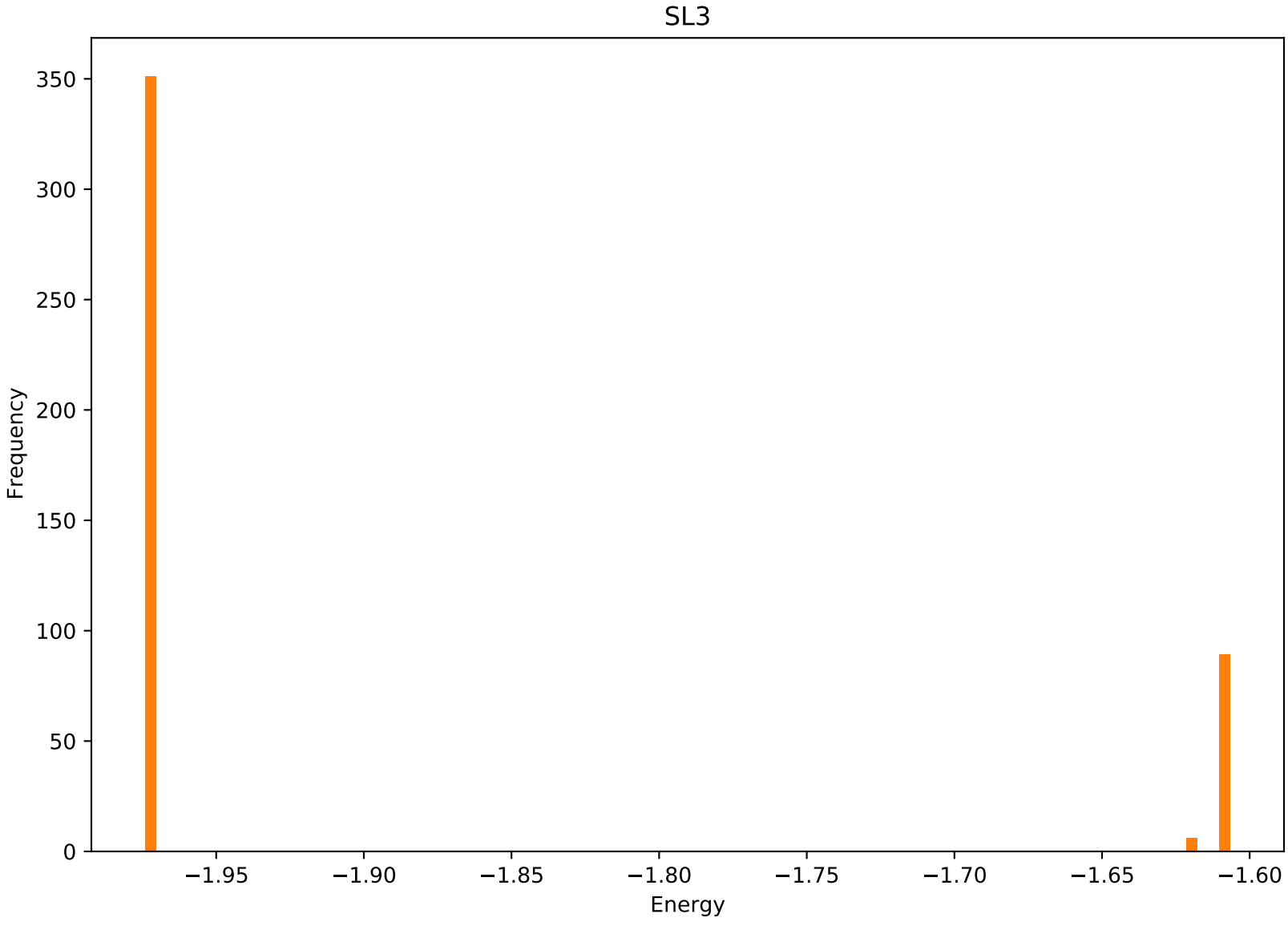

SI7
Frequency
0
10
20
30
40
50
60
70
−6.2
−6.0
−5.8
−5.6
−5.4
−5.2
−5.0
Energy
1e−6−4.812e−2

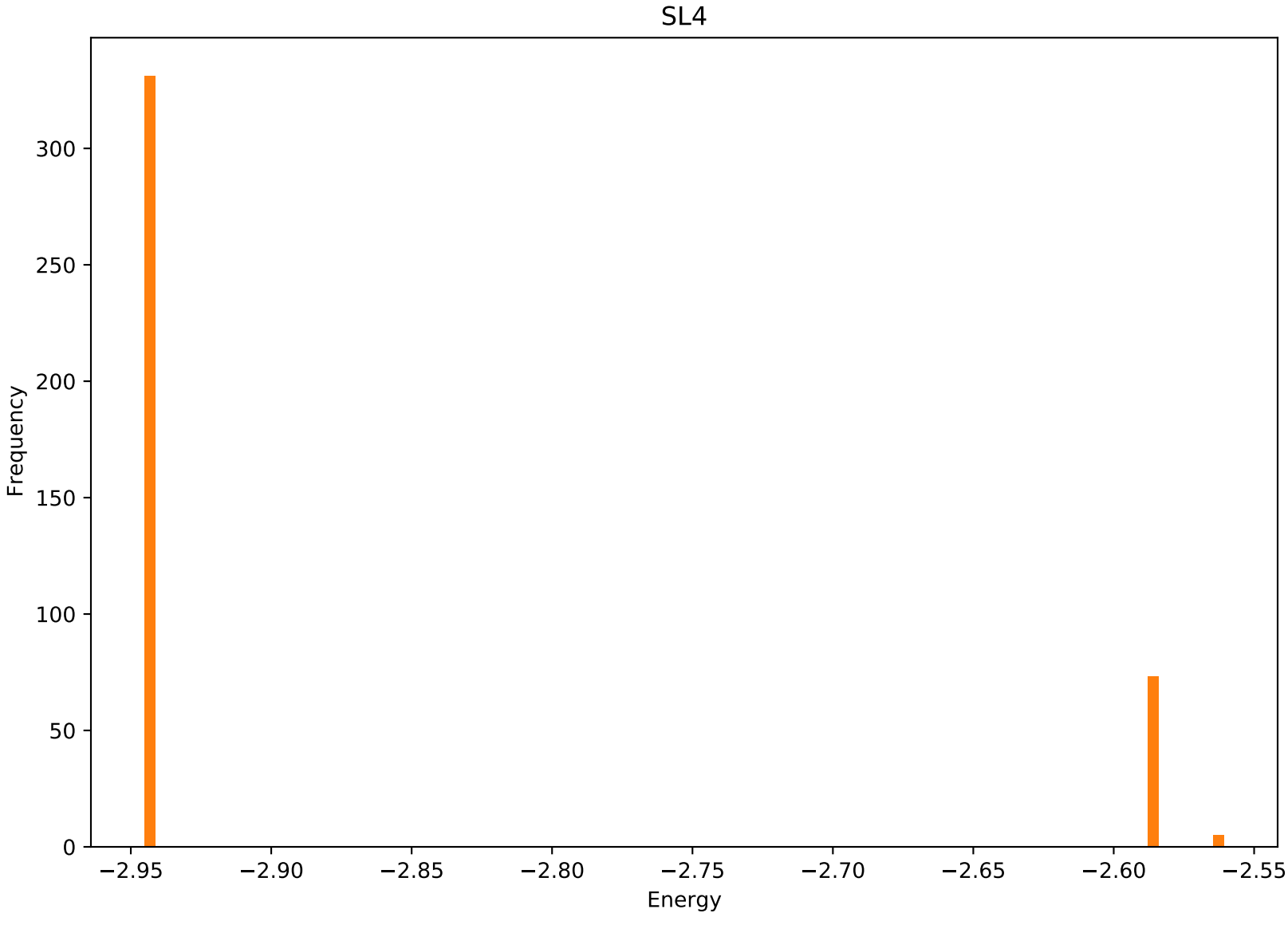

SI8
Frequency
0
10
20
30
40
50
60
−0.00958305
−0.00958300
−0.00958295
−0.00958290
−0.00958285
Energy

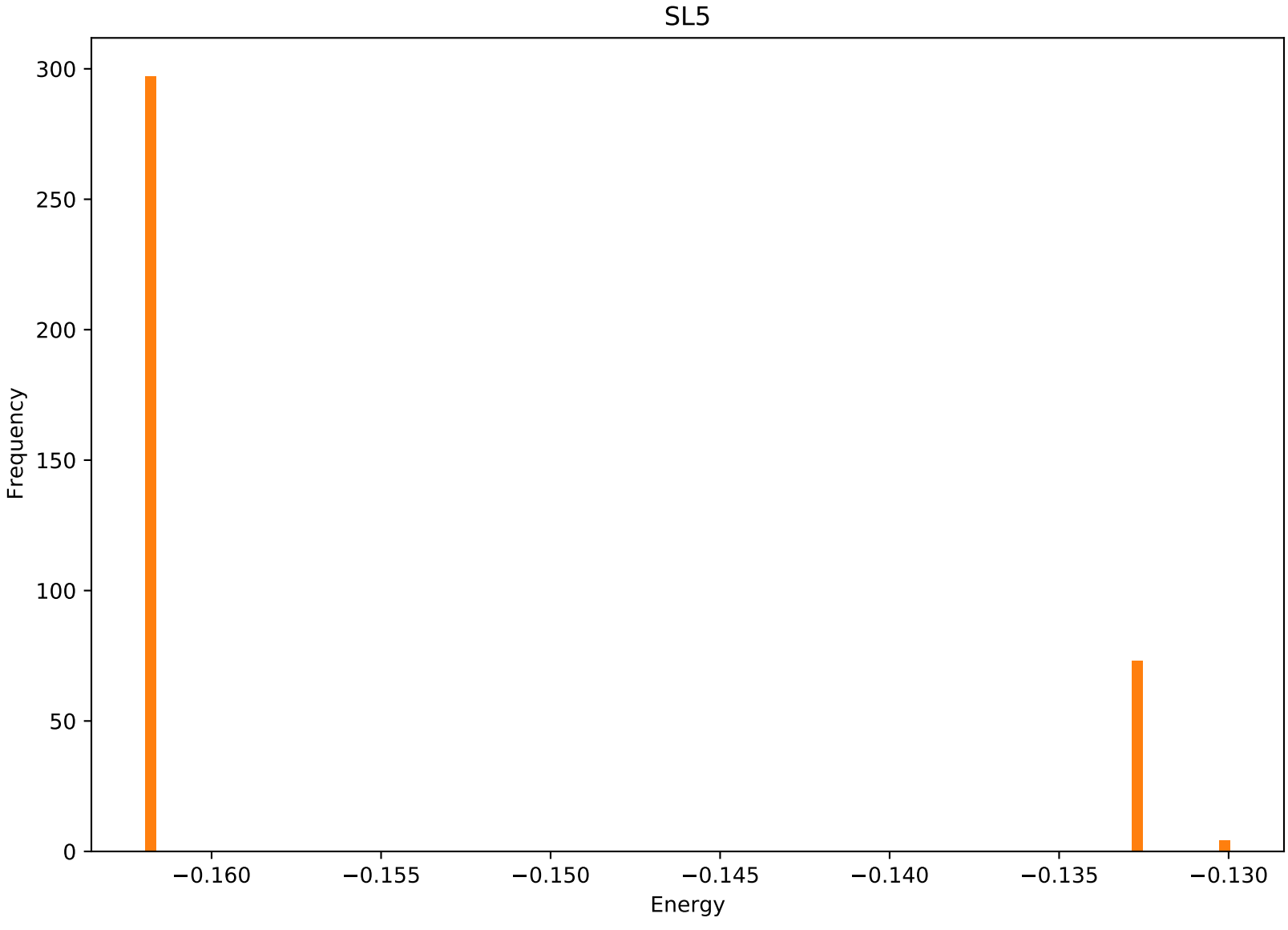

SI9
300
250
200
150
100
50
0
Frequency
−8
−6
−4
−2
Energy
1e−5

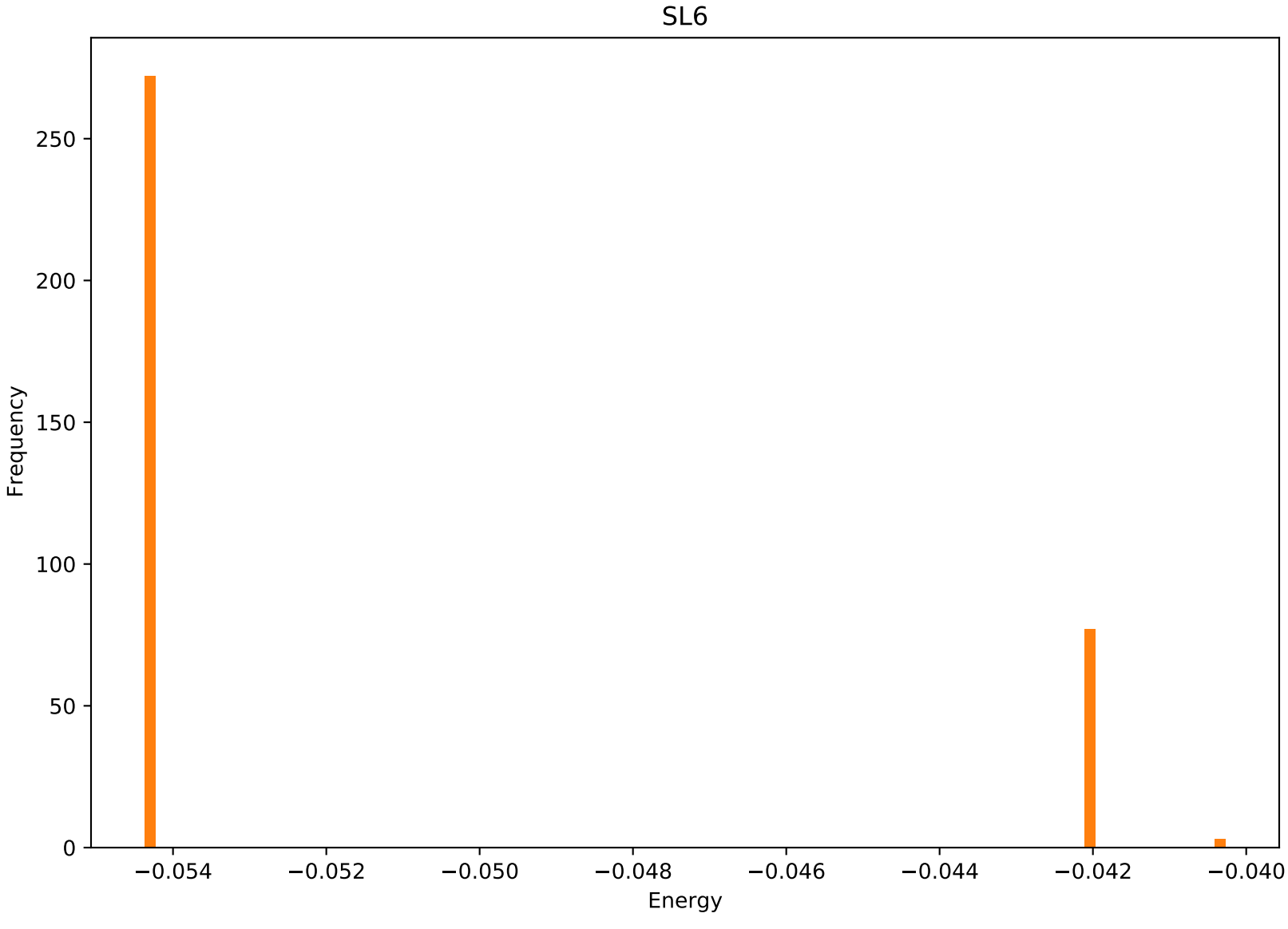

SL1
Frequency
400
300
200
100
0
Baseline:
2.00808
1.95
2.00
2.05
2.10
2.15
2.20
Energy

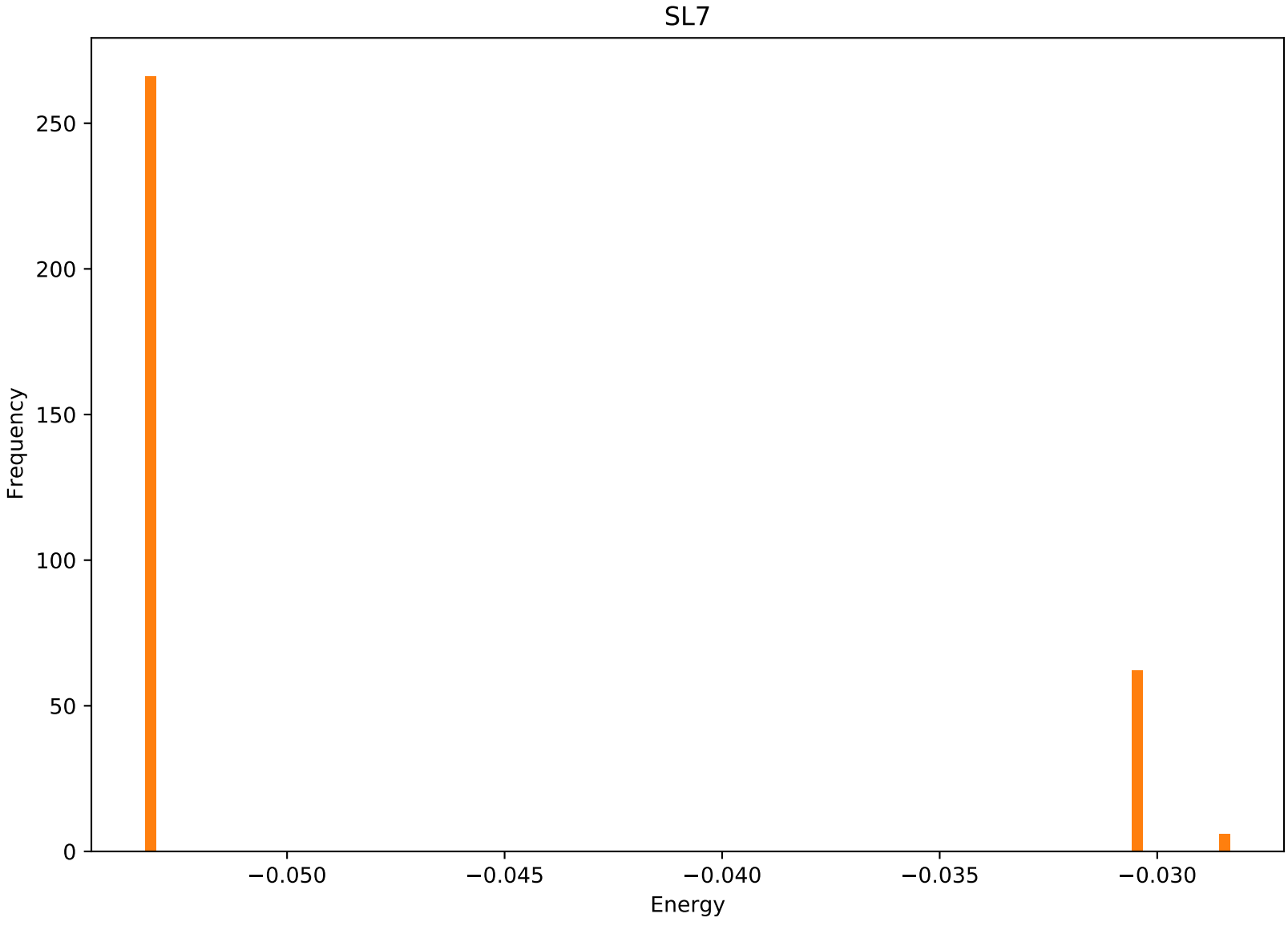

SL2
Frequency
350
300
250
200
150
100
50
0
−0.91
−0.90
−0.89
−0.88
−0.87
−0.86
Energy

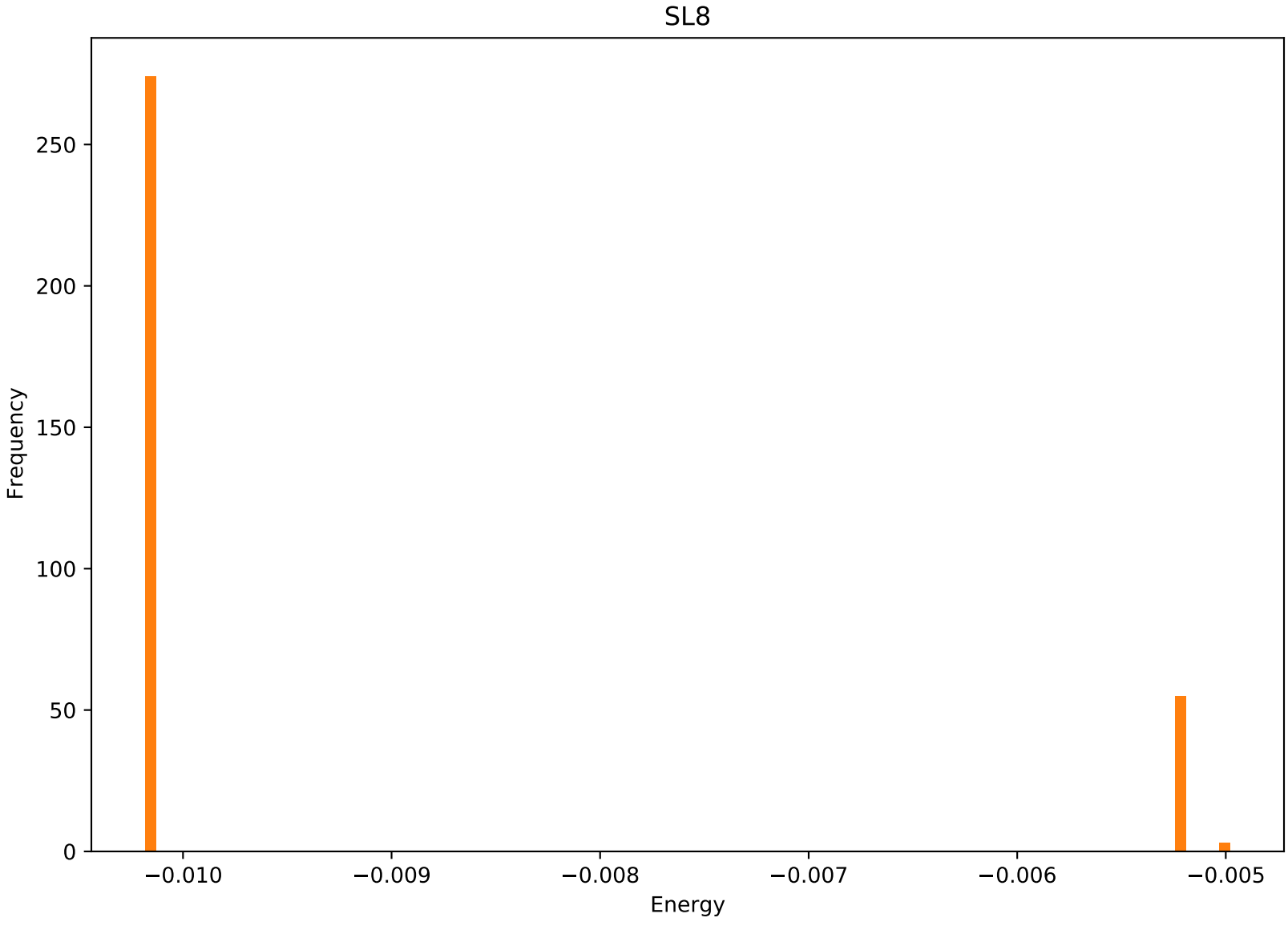

SL3
Frequency
Energy
0
50
100
150
200
250
300
350
−1.95
−1.90
−1.85
−1.80
−1.75
−1.70
−1.65
−1.60

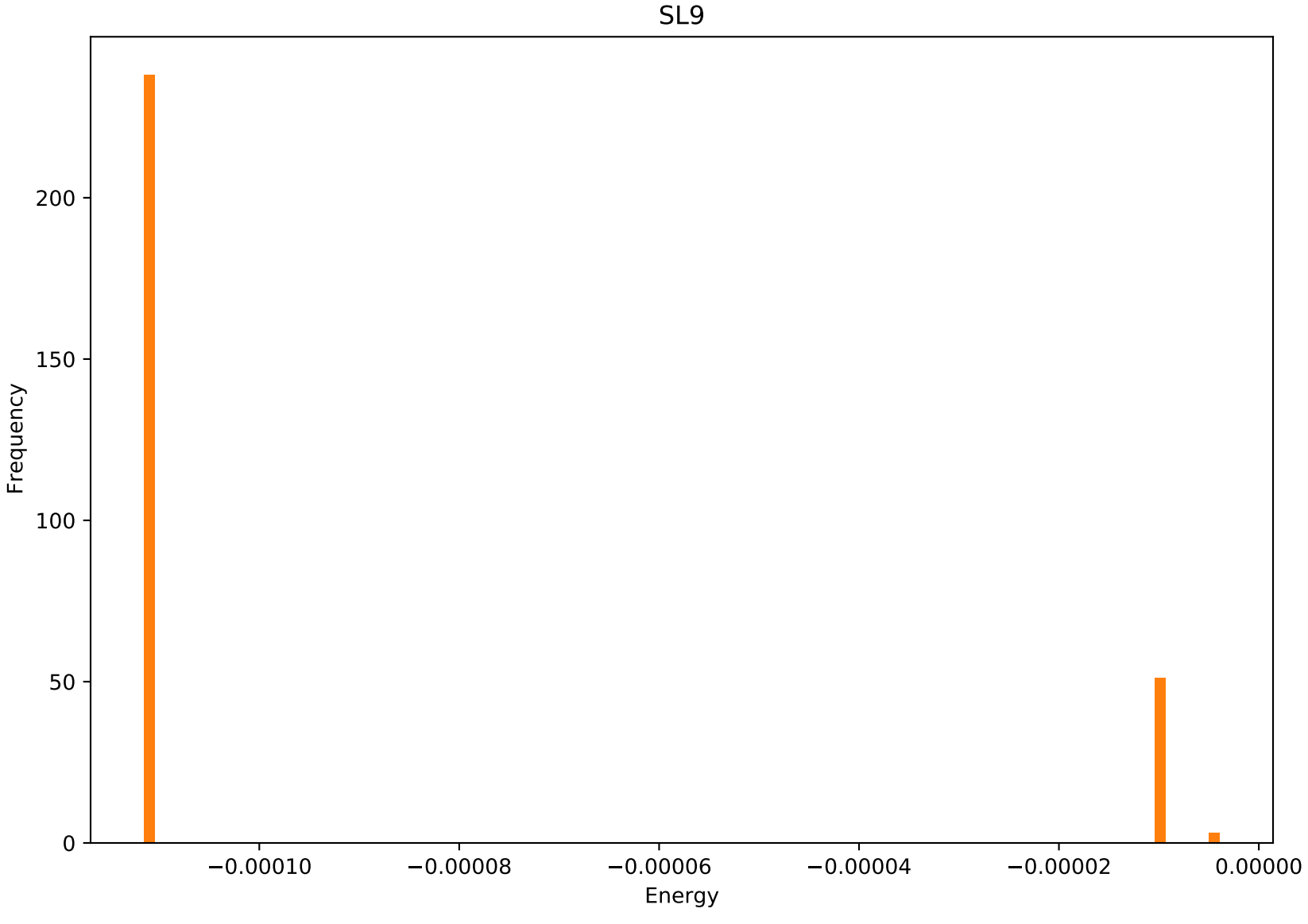

SL4
Frequency
300
250
200
150
100
50
0
−2.95
−2.90
−2.85
−2.80
−2.75
−2.70
−2.65
−2.60
−2.55
Energy

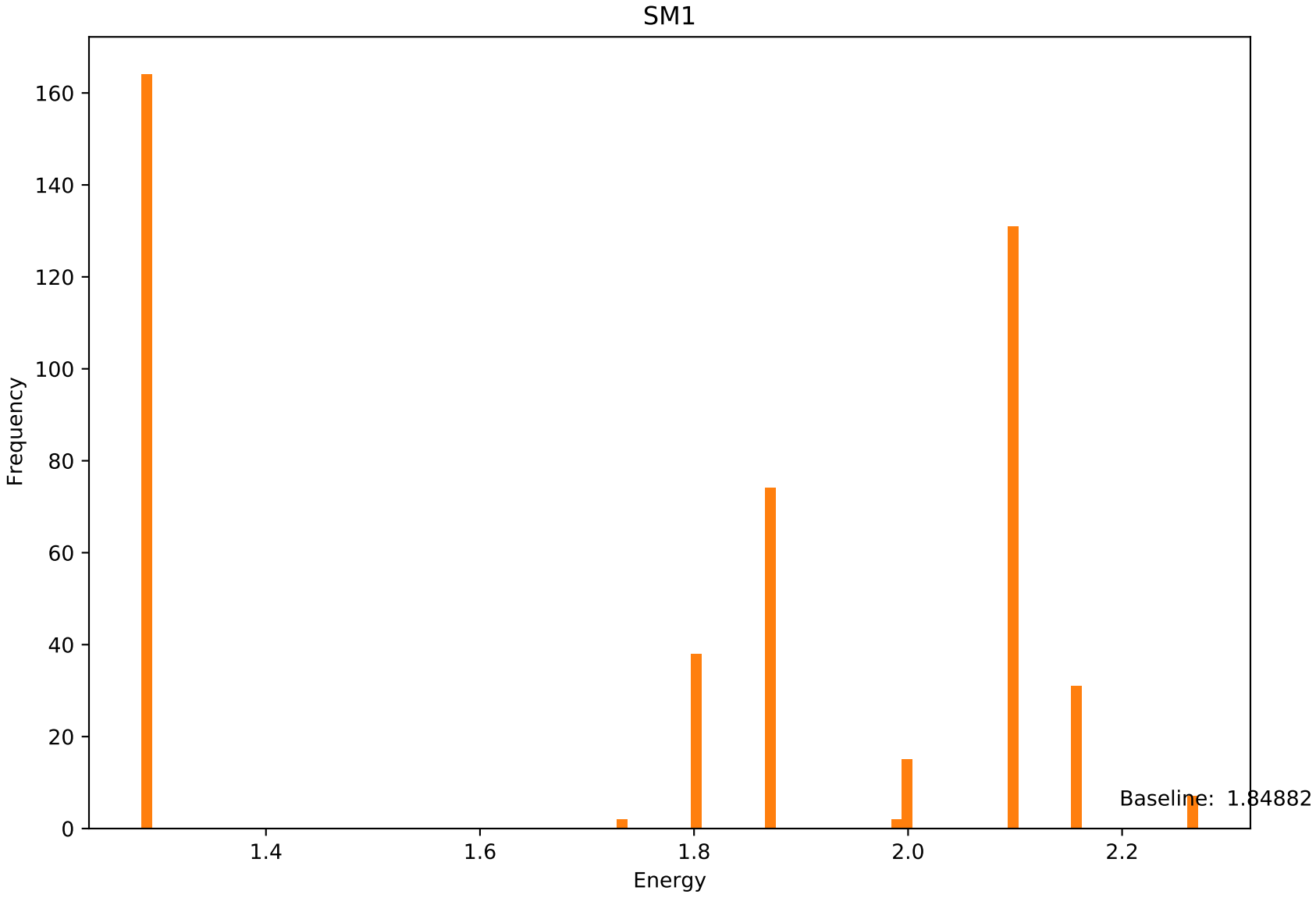

SL5
300
250
200
150
100
50
0
Frequency
−0.160
−0.155
−0.150
−0.145
−0.140
−0.135
−0.130
Energy

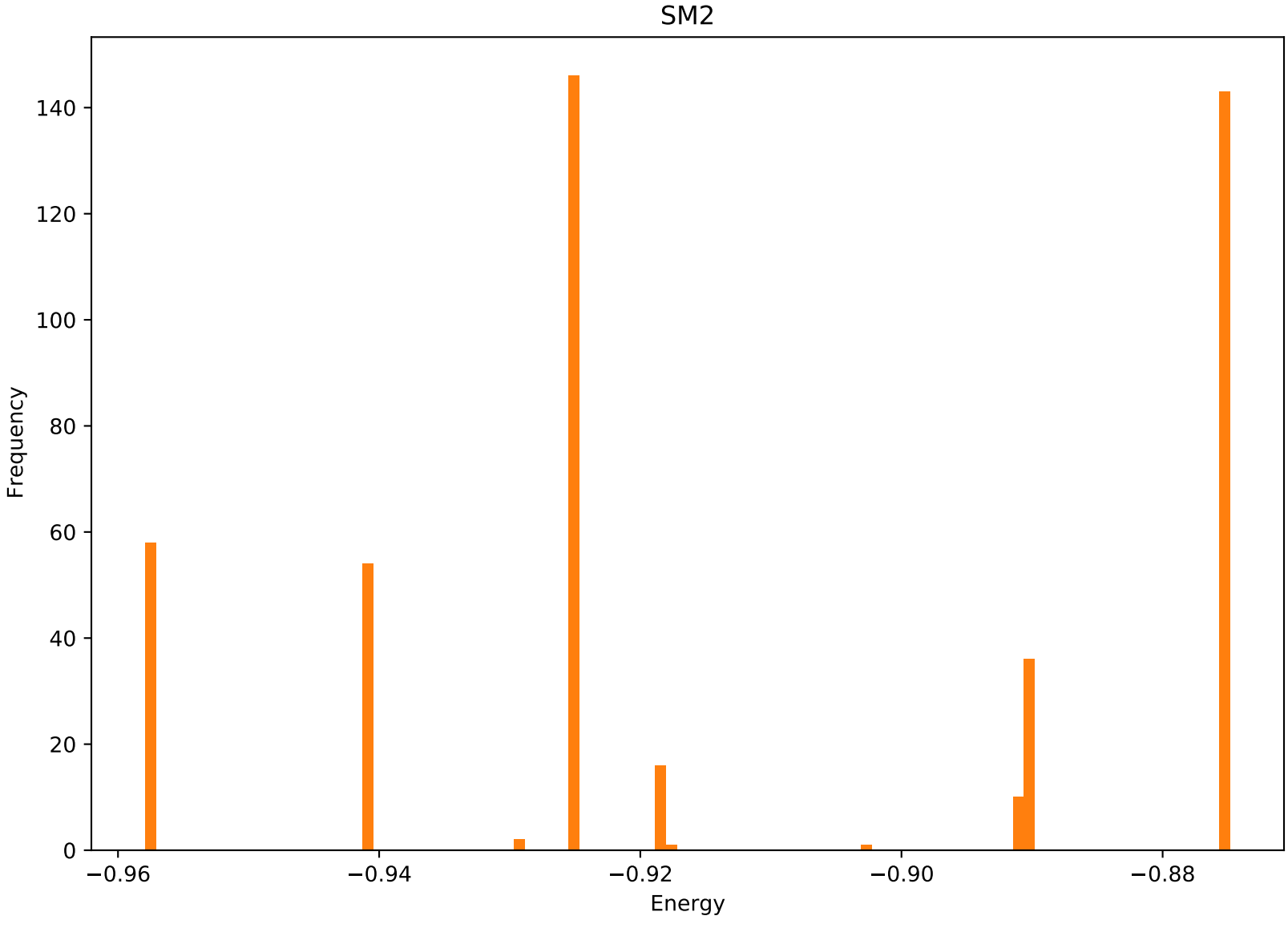

SL6
Frequency
250
200
150
100
50
0
−0.054
−0.052
−0.050
−0.048
−0.046
−0.044
−0.042
−0.040
Energy

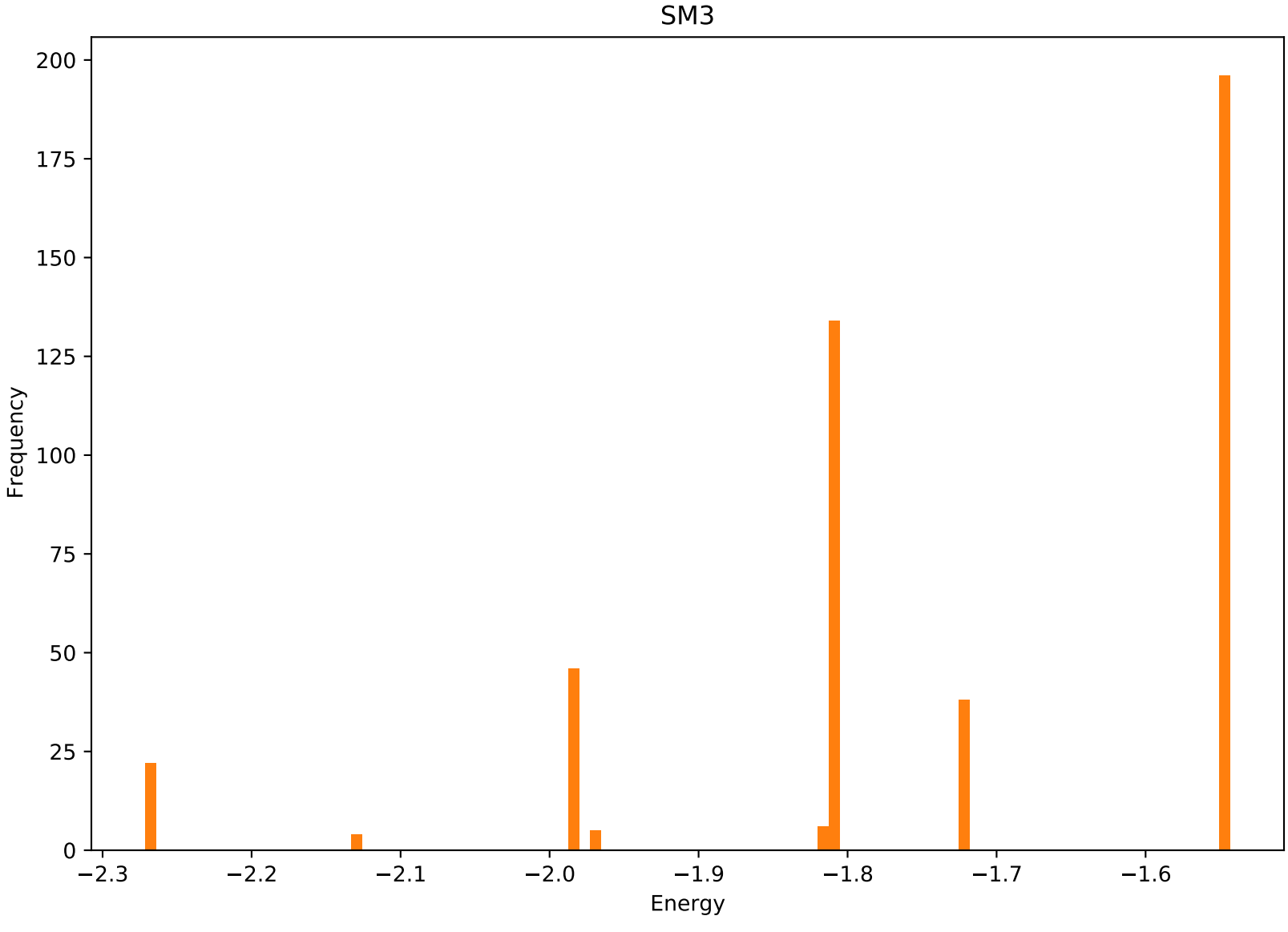

SL7
Frequency
250
200
150
100
50
0
−0.050
−0.045
−0.040
−0.035
−0.030
Energy

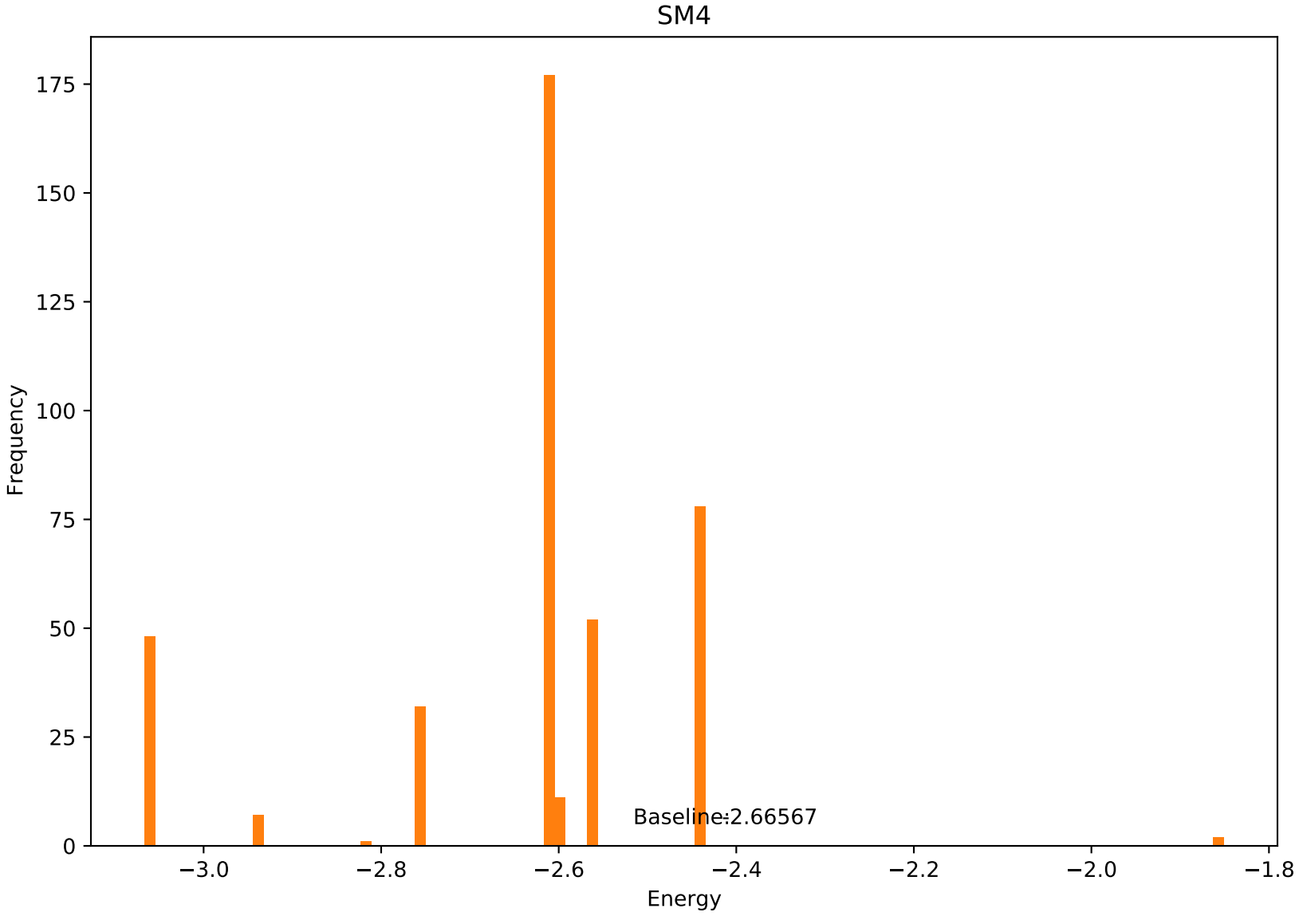

SL8
Frequency
250
200
150
100
50
0
−0.010
−0.009
−0.008
−0.007
−0.006
−0.005
Energy

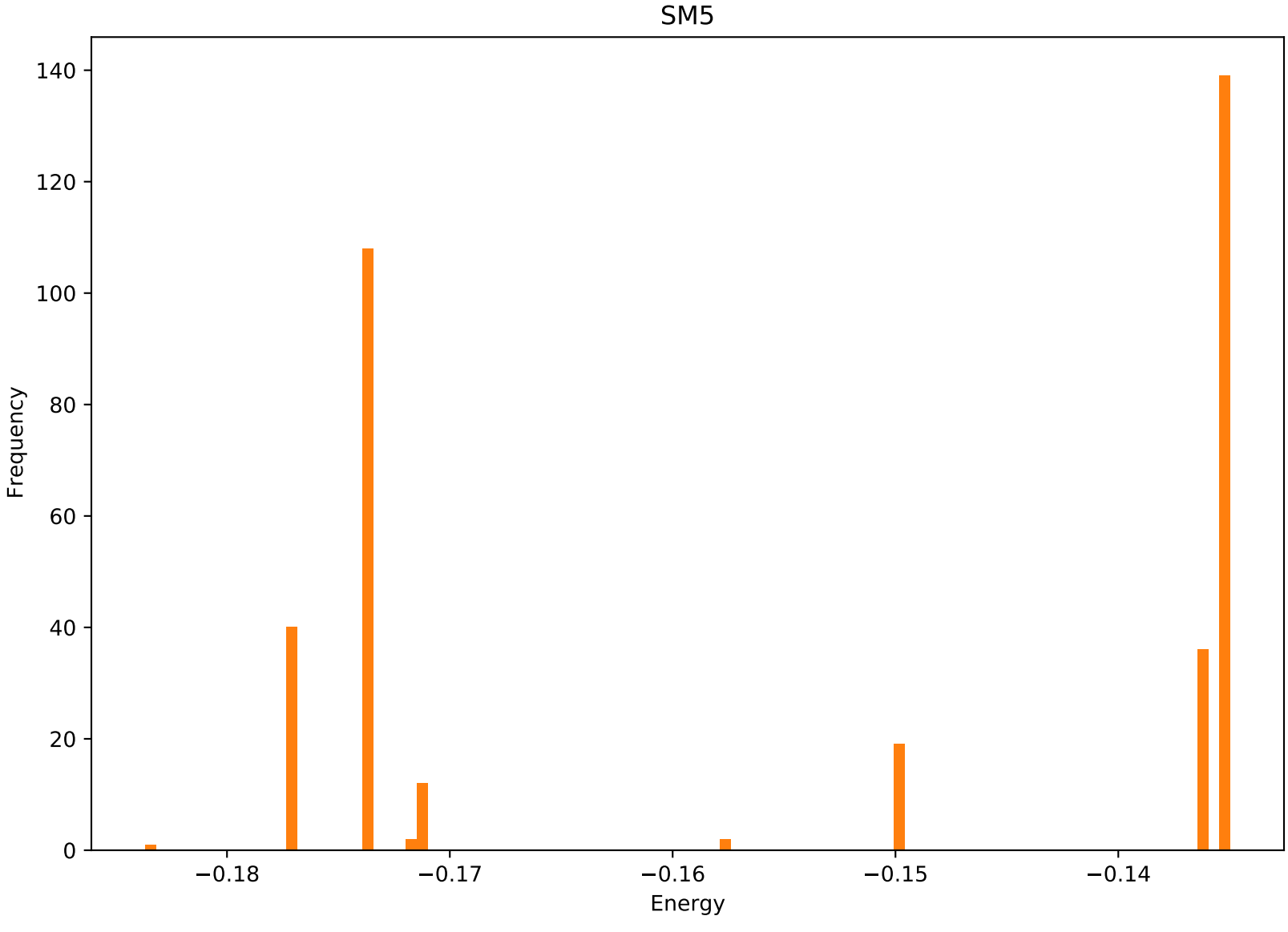

SL9
Frequency
200
150
100
50
0
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

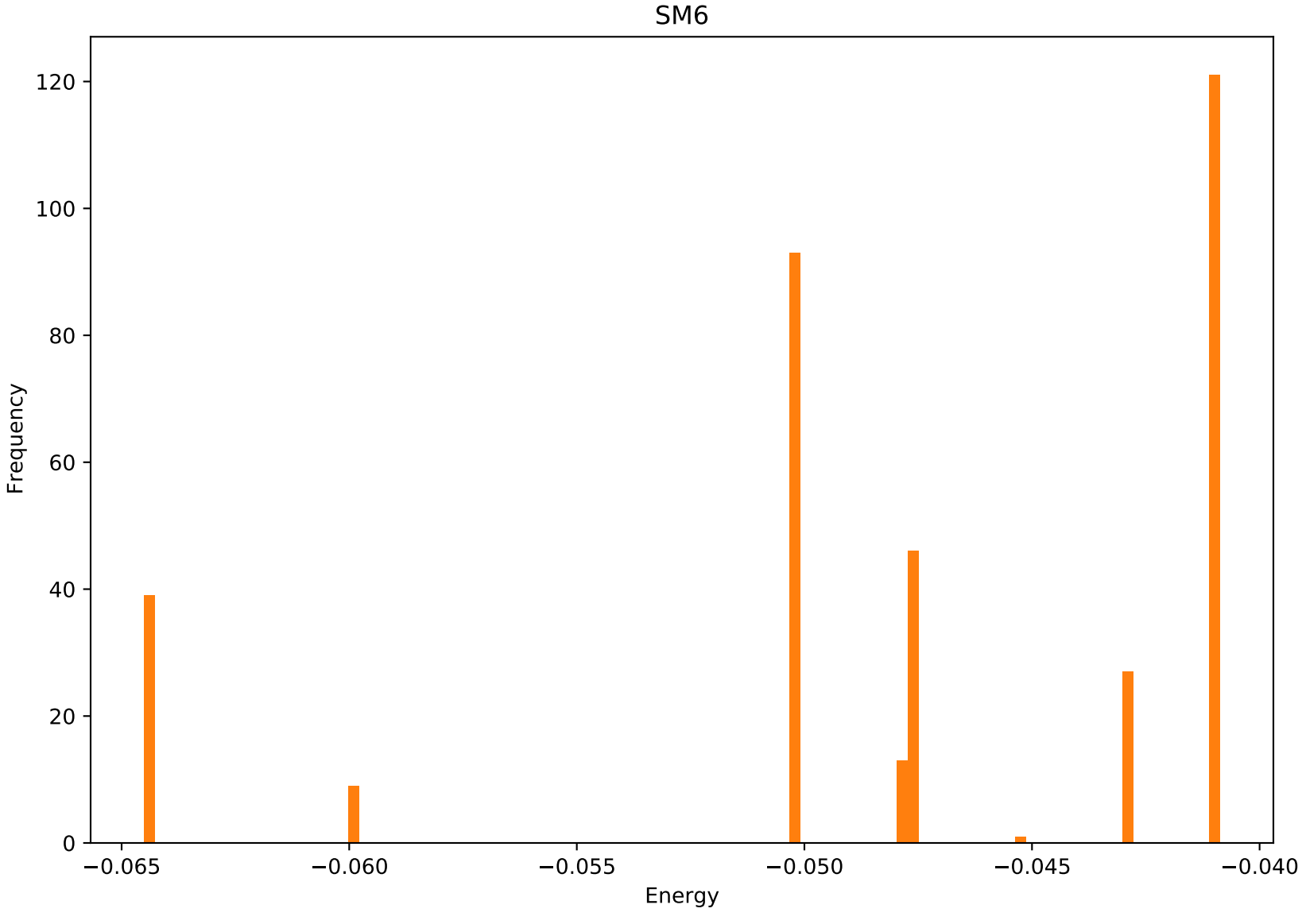

SM1
Frequency
Energy
0
20
40
60
80
100
120
140
160
1.4
1.6
1.8
2.0
2.2
Baseline: 1.84882

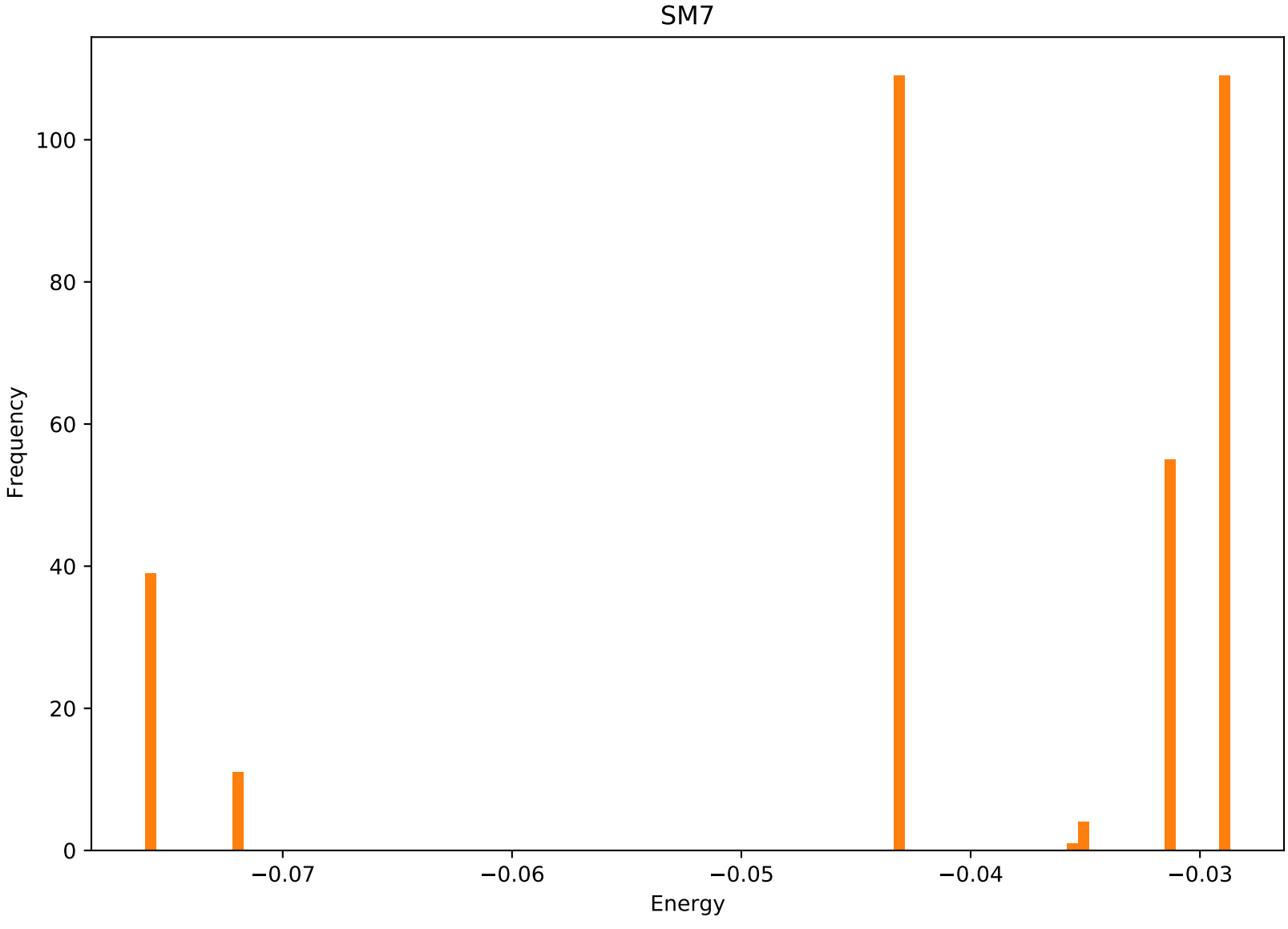

SM2
Frequency
0
20
40
60
80
100
120
140
−0.96
−0.94
−0.92
−0.90
−0.88
Energy

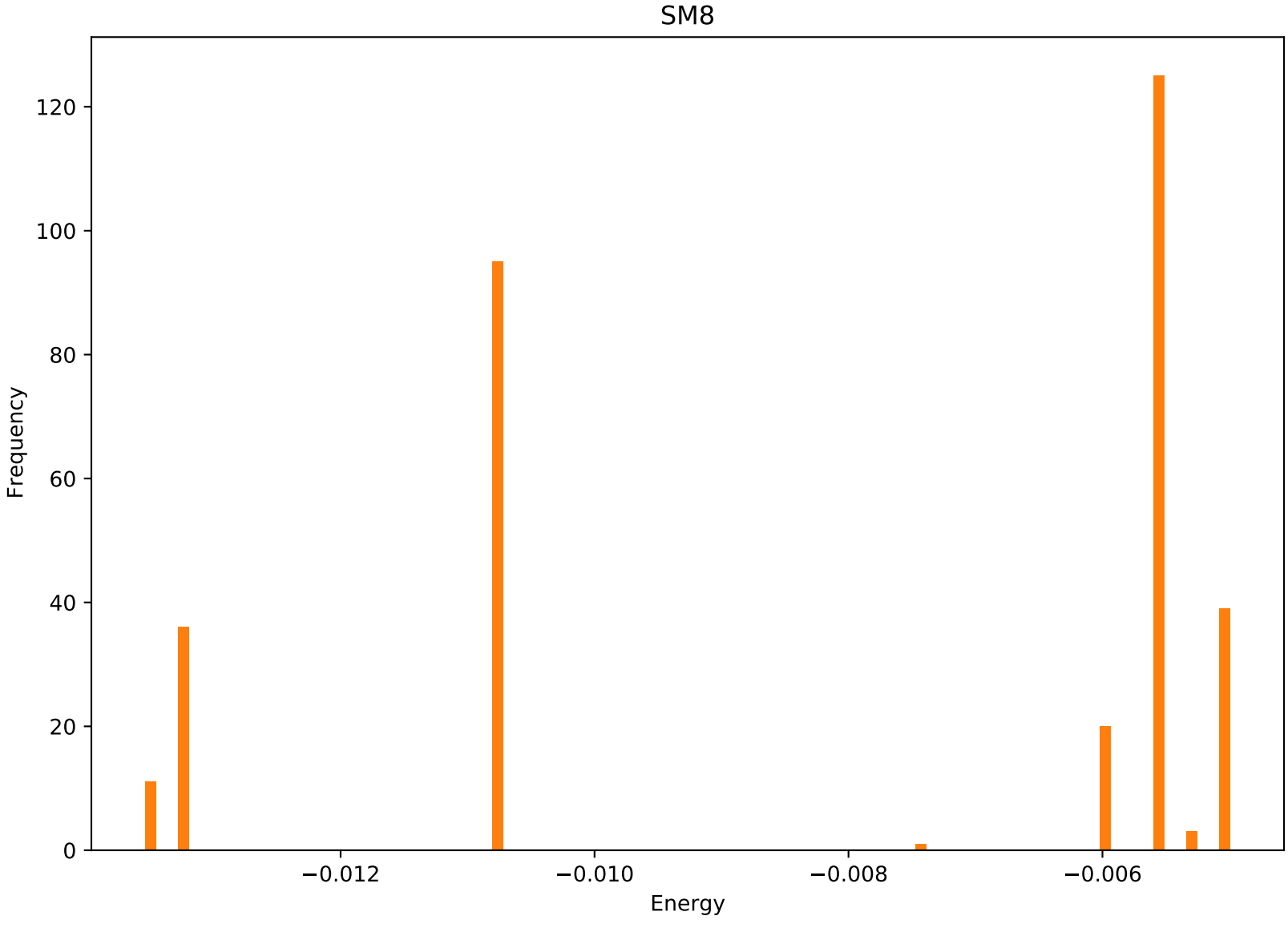

SM3
Frequency
Energy
200
175
150
125
100
75
50
25
0
−2.3
−2.2
−2.1
−2.0
−1.9
−1.8
−1.7
−1.6

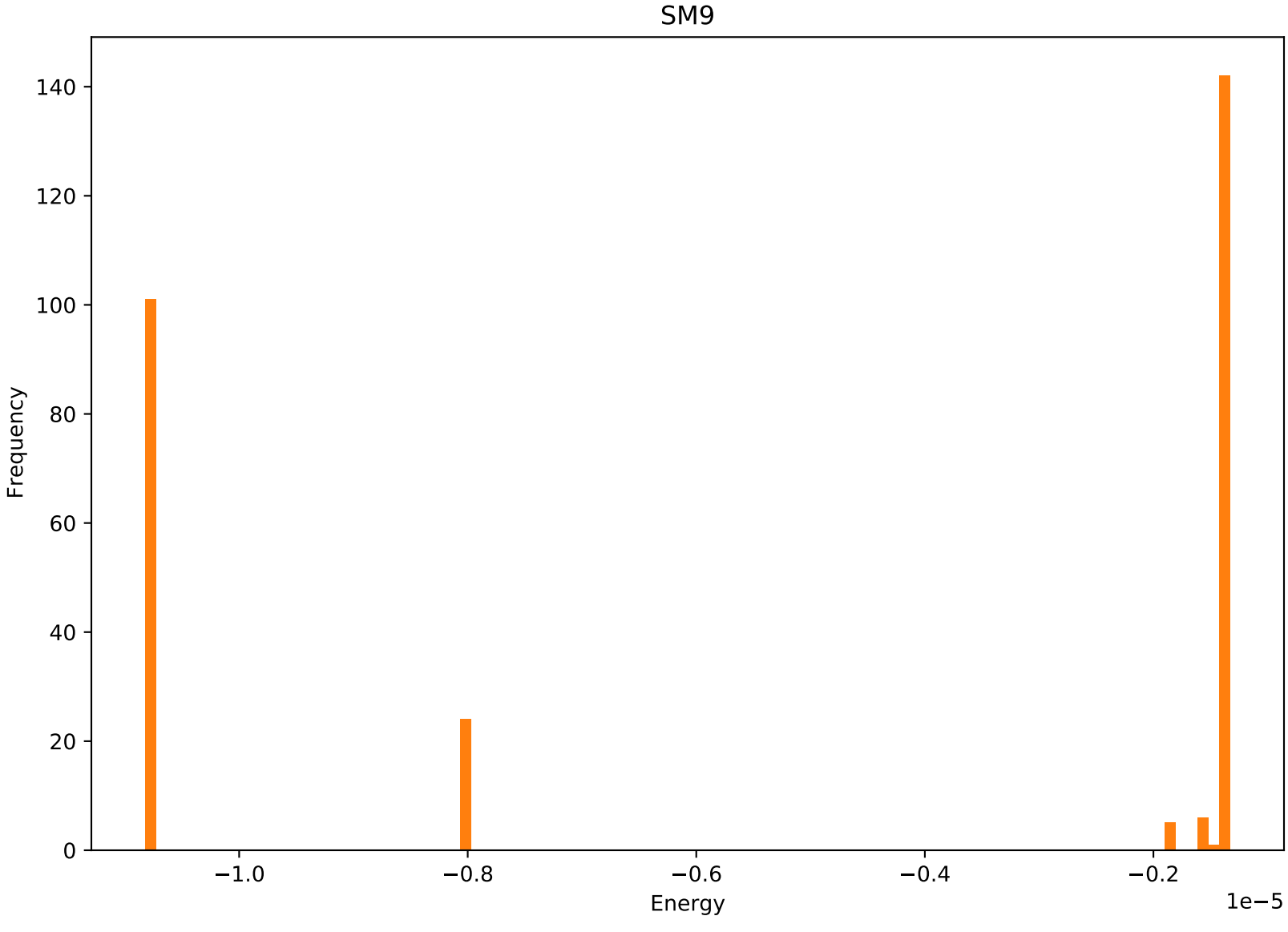

SM4
Frequency
175
150
125
100
75
50
25
0
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8
Energy
Baseline: 2.66567

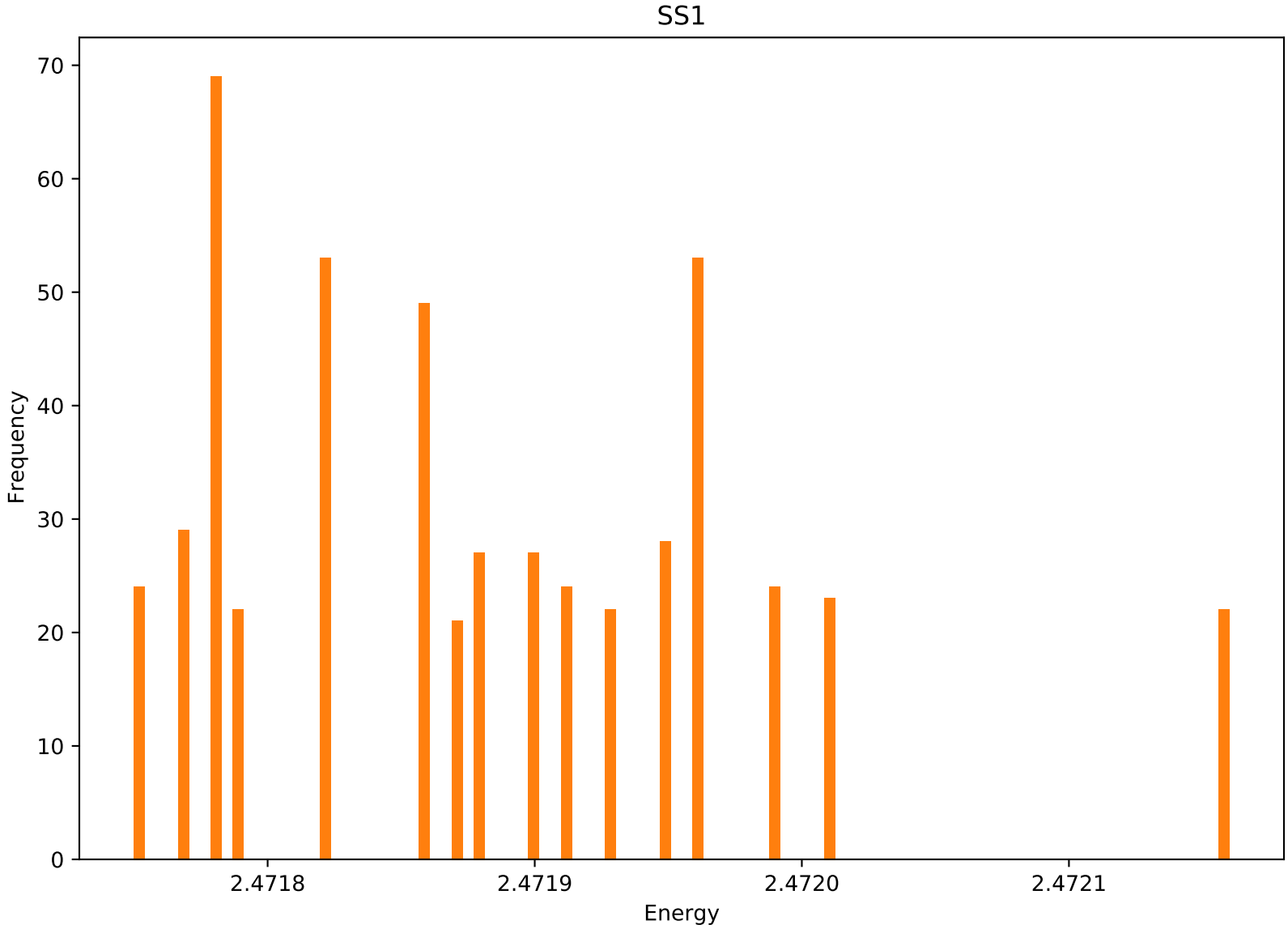

SM5
Frequency
Energy
0
20
40
60
80
100
120
140
−0.18
−0.17
−0.16
−0.15
−0.14

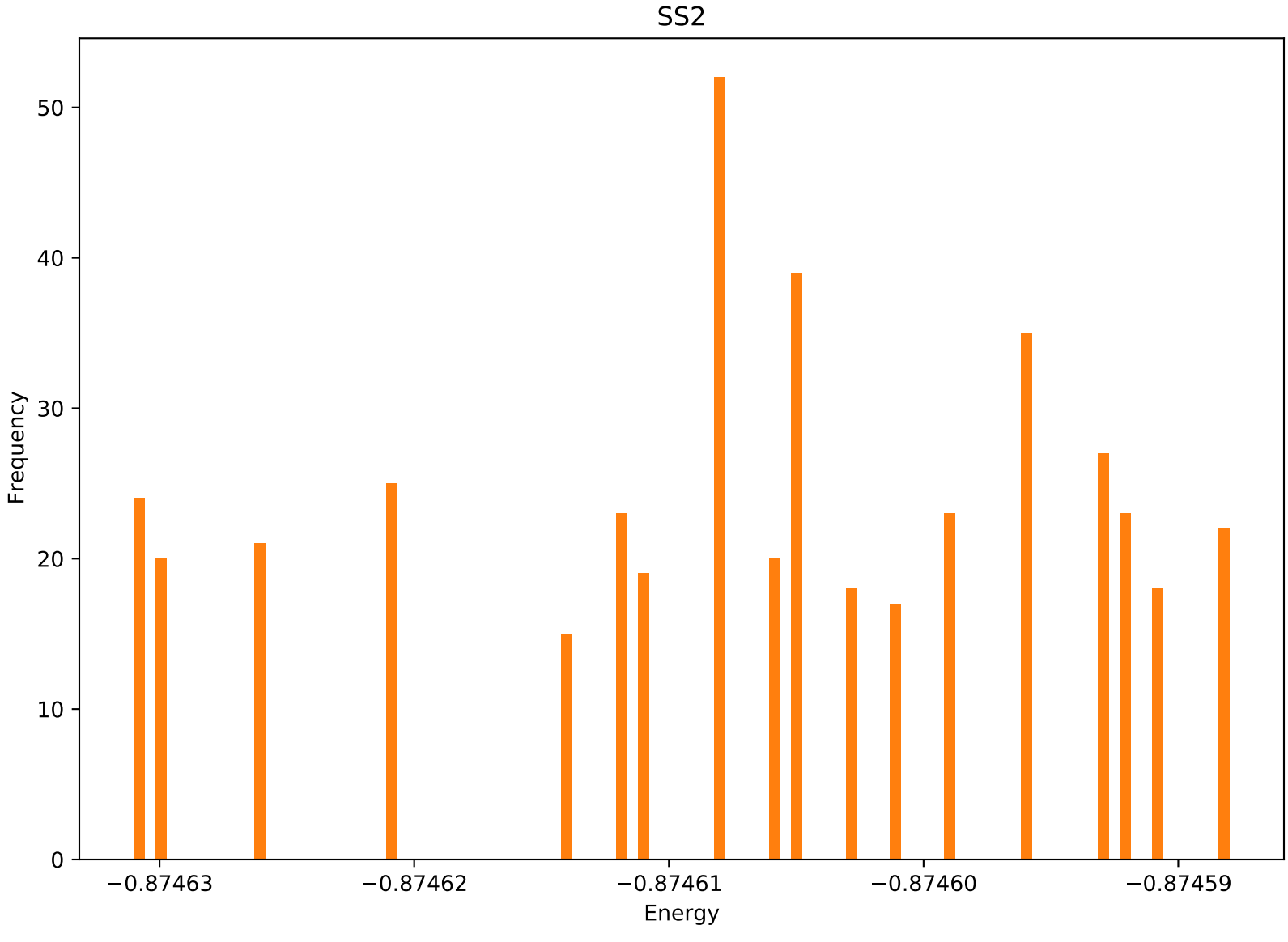

SM6
Frequency
Energy
0
20
40
60
80
100
120
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040

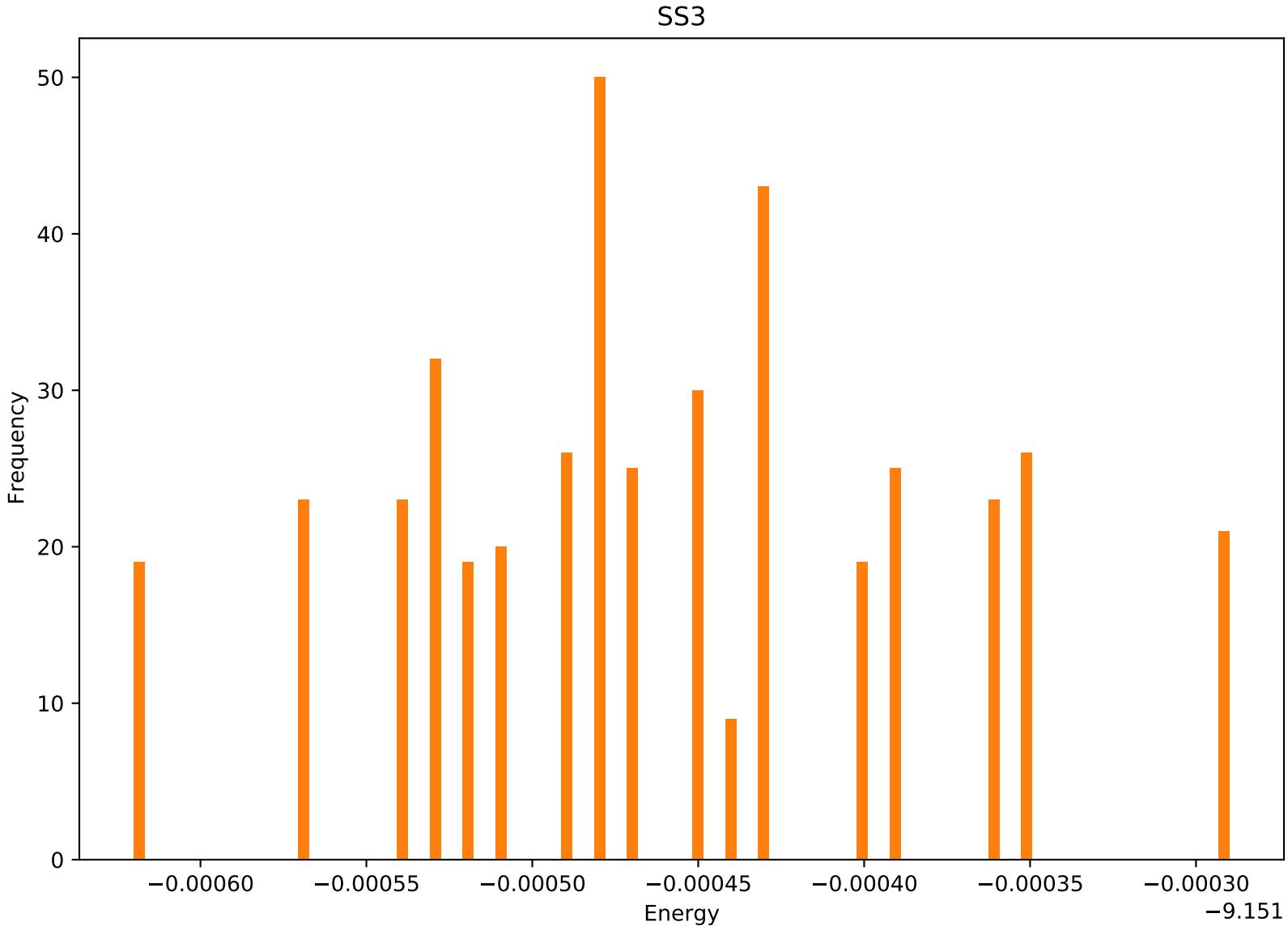

SM7
Frequency
Energy
0
20
40
60
80
100
−0.07
−0.06
−0.05
−0.04
−0.03

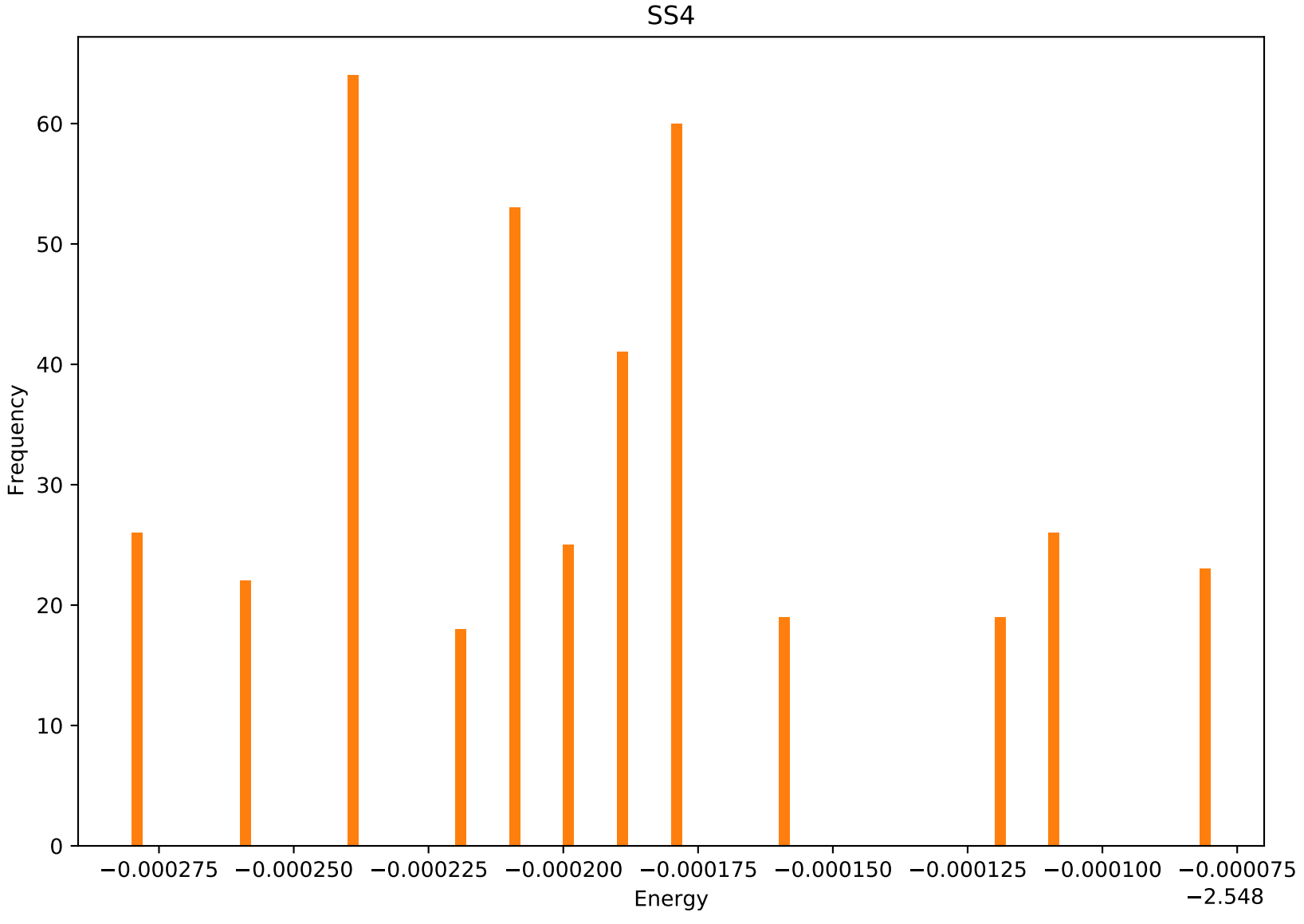

SM8
Frequency
120
100
80
60
40
20
0
−0.012
−0.010
−0.008
−0.006
Energy

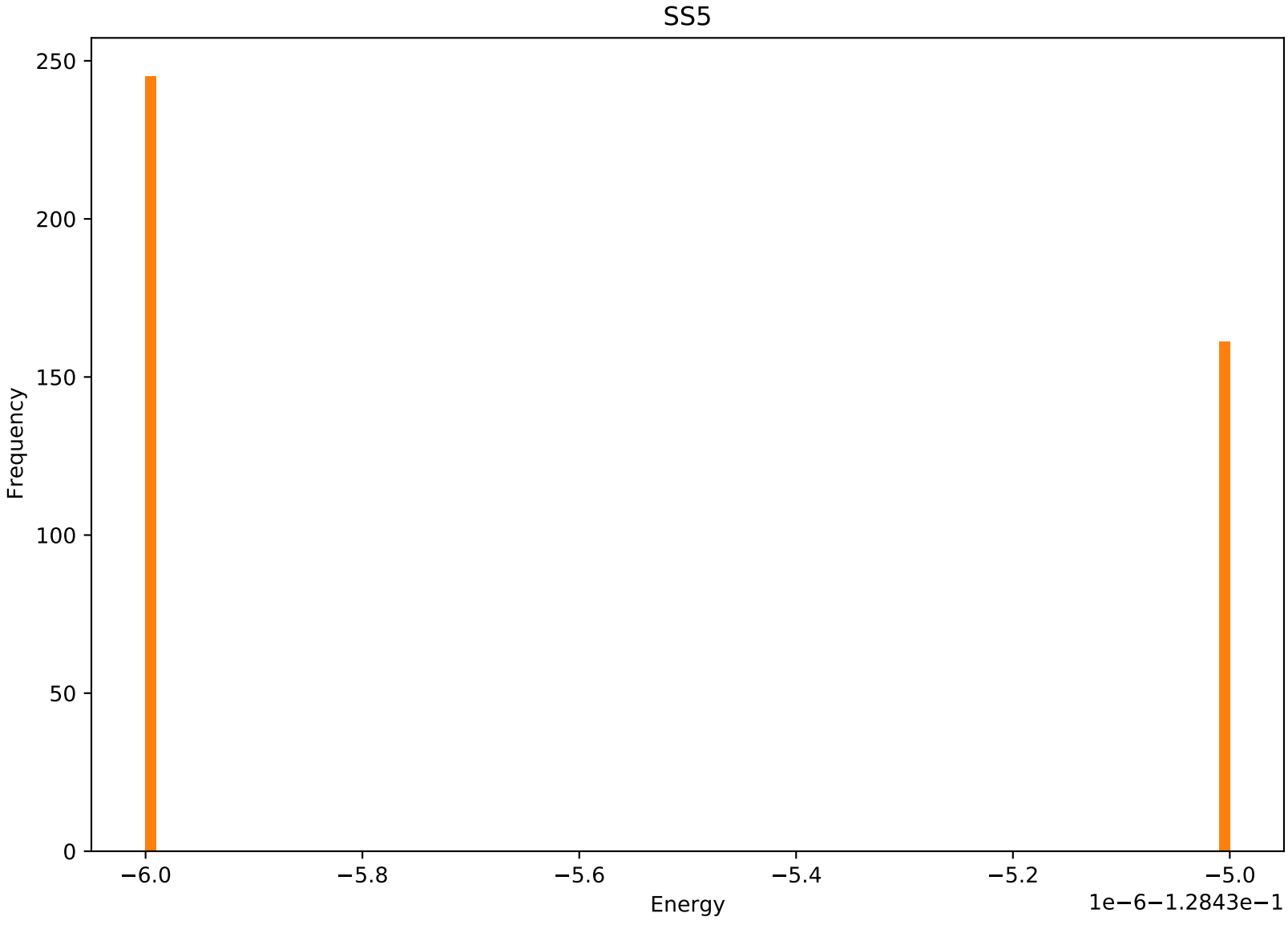

SM9
Frequency
140
120
100
80
60
40
20
0
−1.0
−0.8
−0.6
−0.4
−0.2
Energy
1e−5

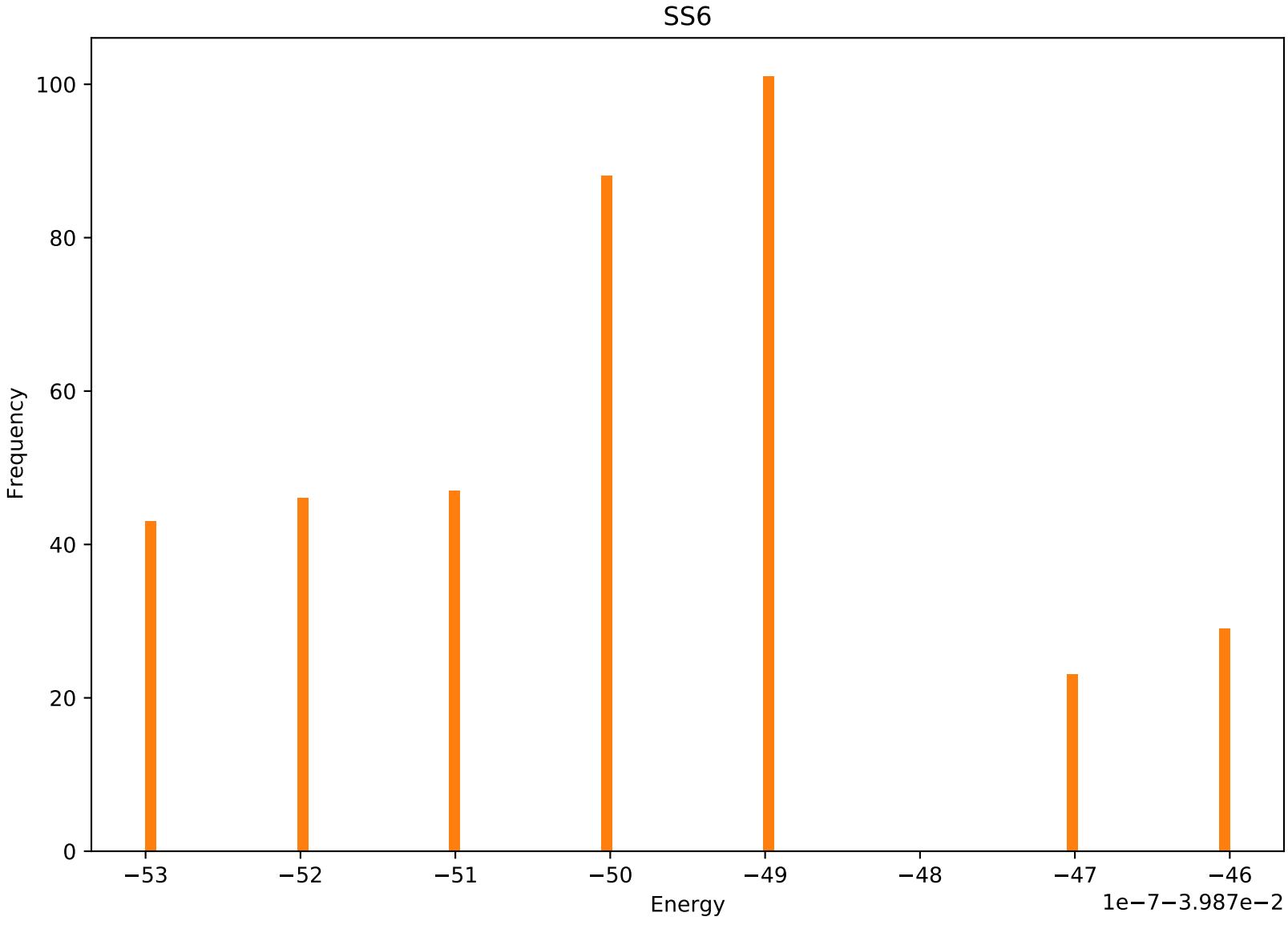

SS1
Frequency
Energy
0
10
20
30
40
50
60
70
2.4718
2.4719
2.4720
2.4721

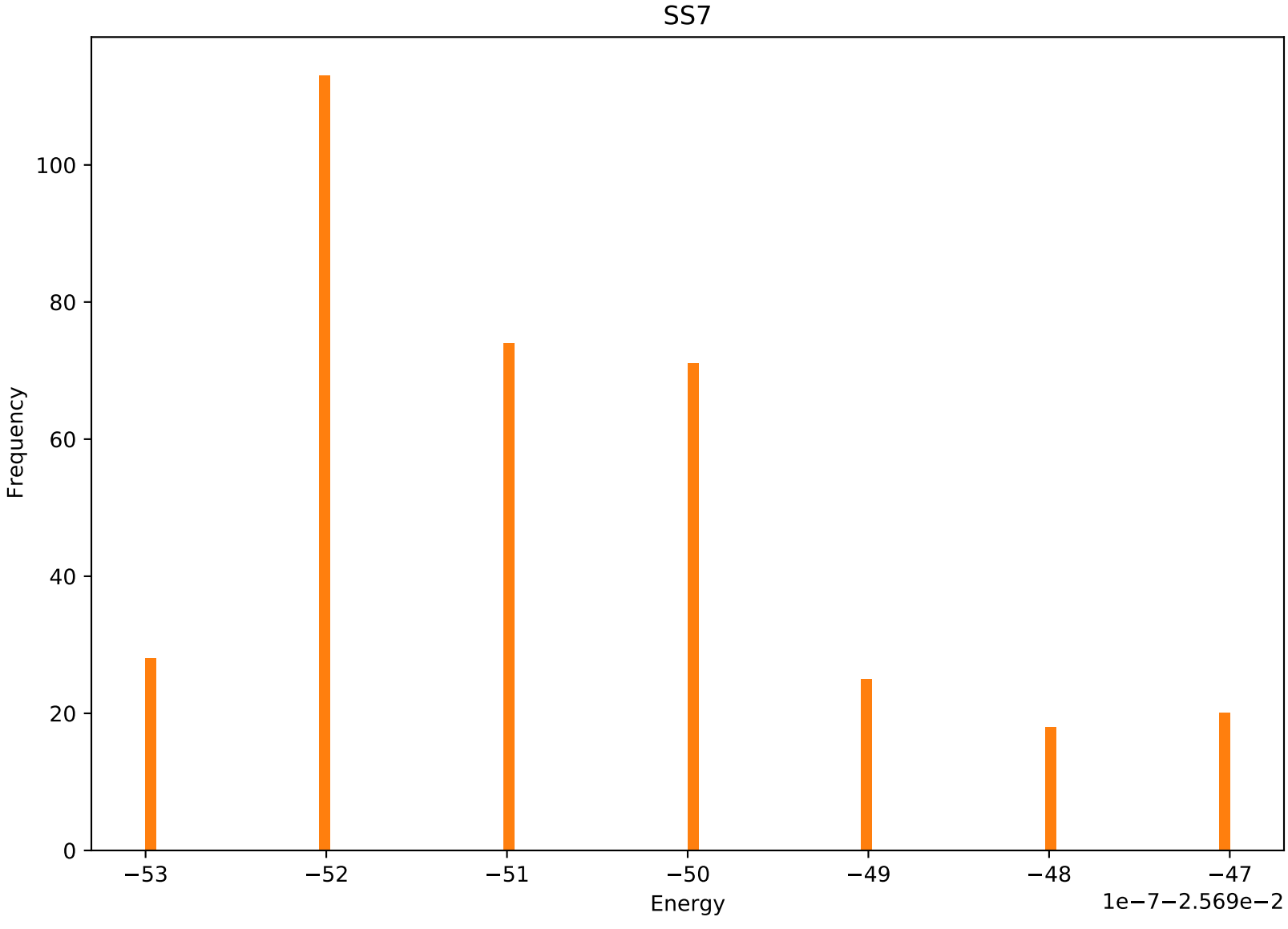

SS2
Frequency
0
10
20
30
40
50
−0.87463
−0.87462
−0.87461
−0.87460
−0.87459
Energy

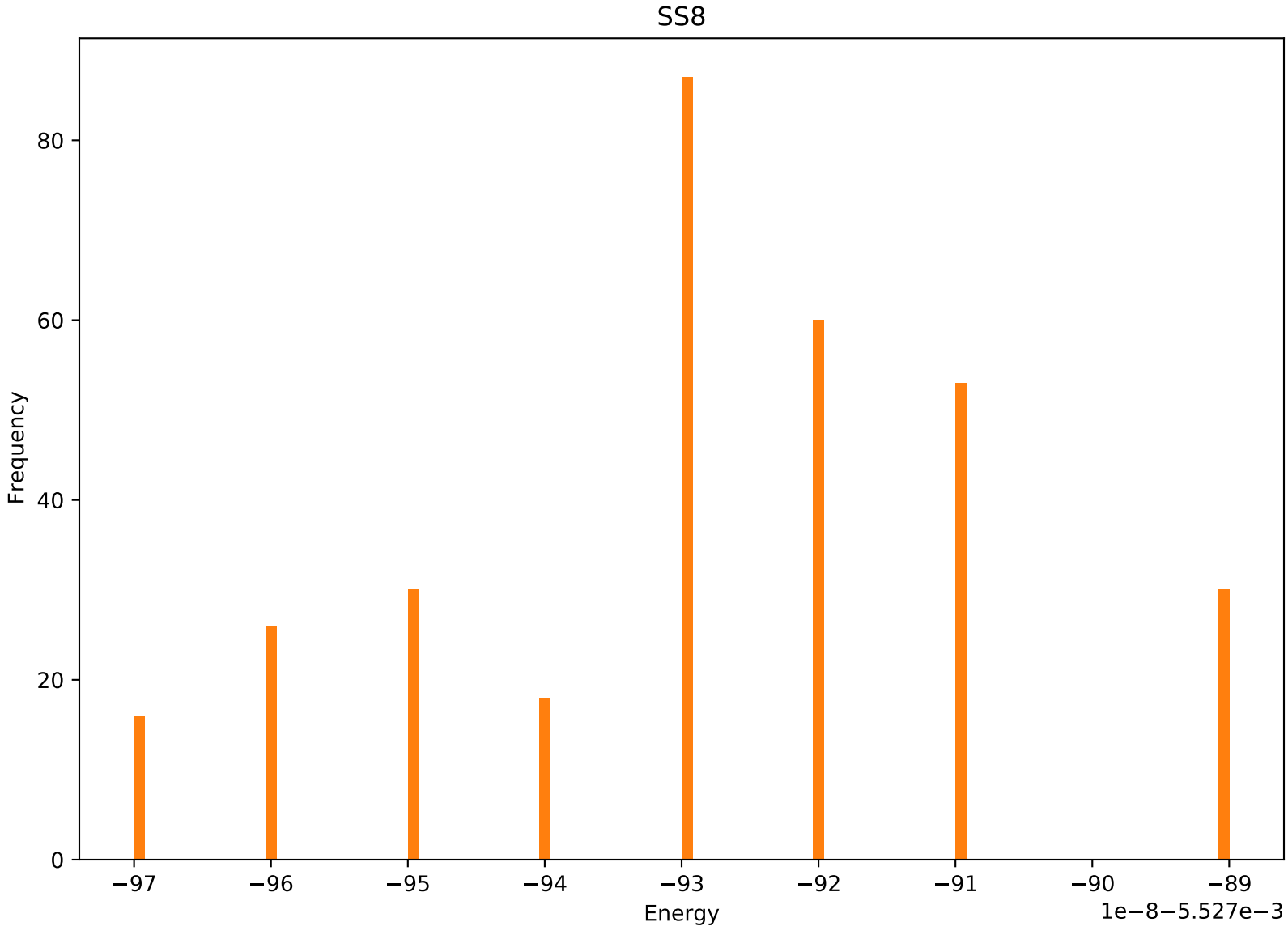

SS3
Frequency
0
10
20
30
40
50
−0.00060
−0.00055
−0.00050
−0.00045
−0.00040
−0.00035
−0.00030
Energy
−9.151

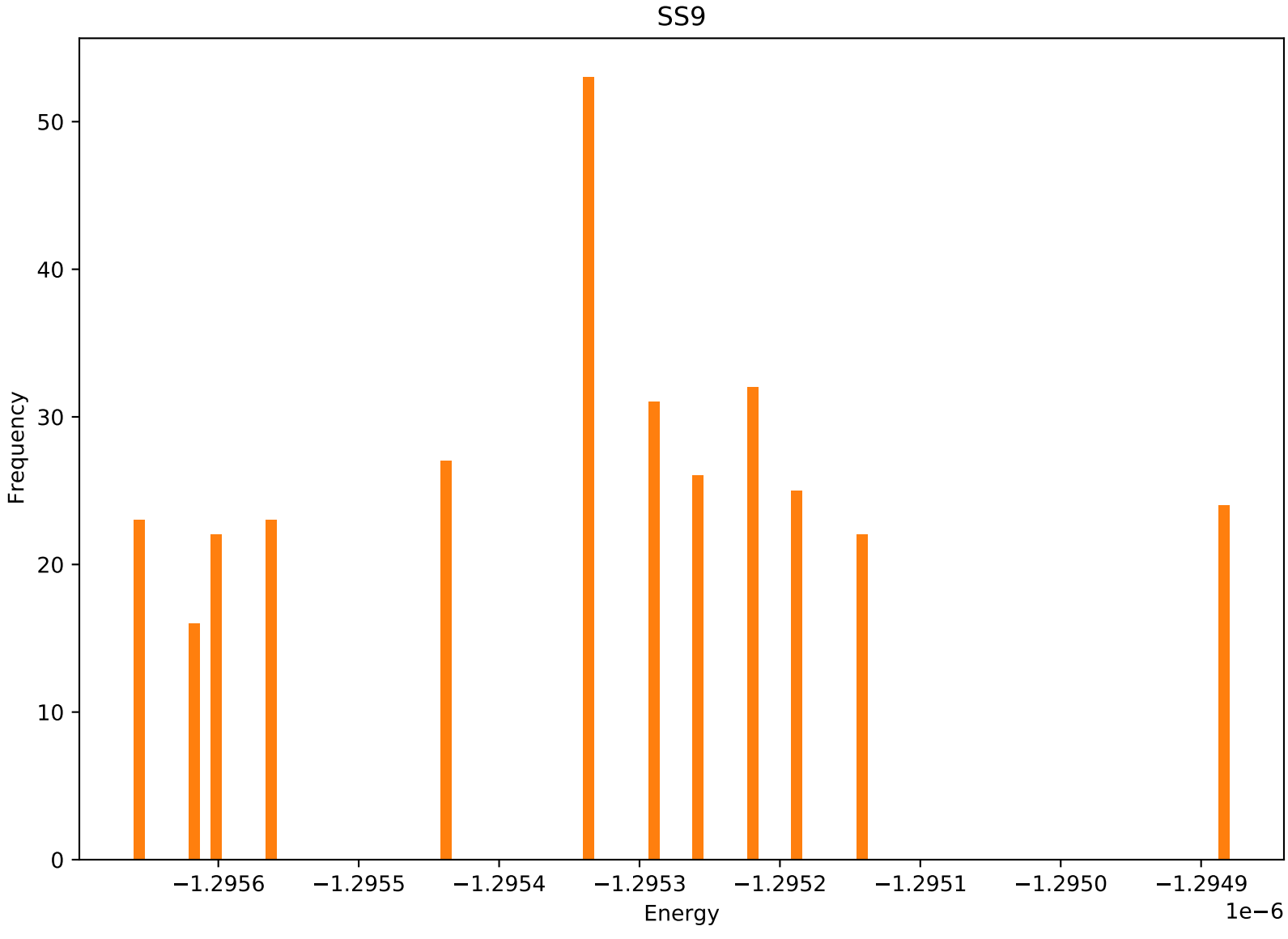

SS4
Frequency
0
10
20
30
40
50
60
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
−0.000100
−0.000075
Energy
−2.548

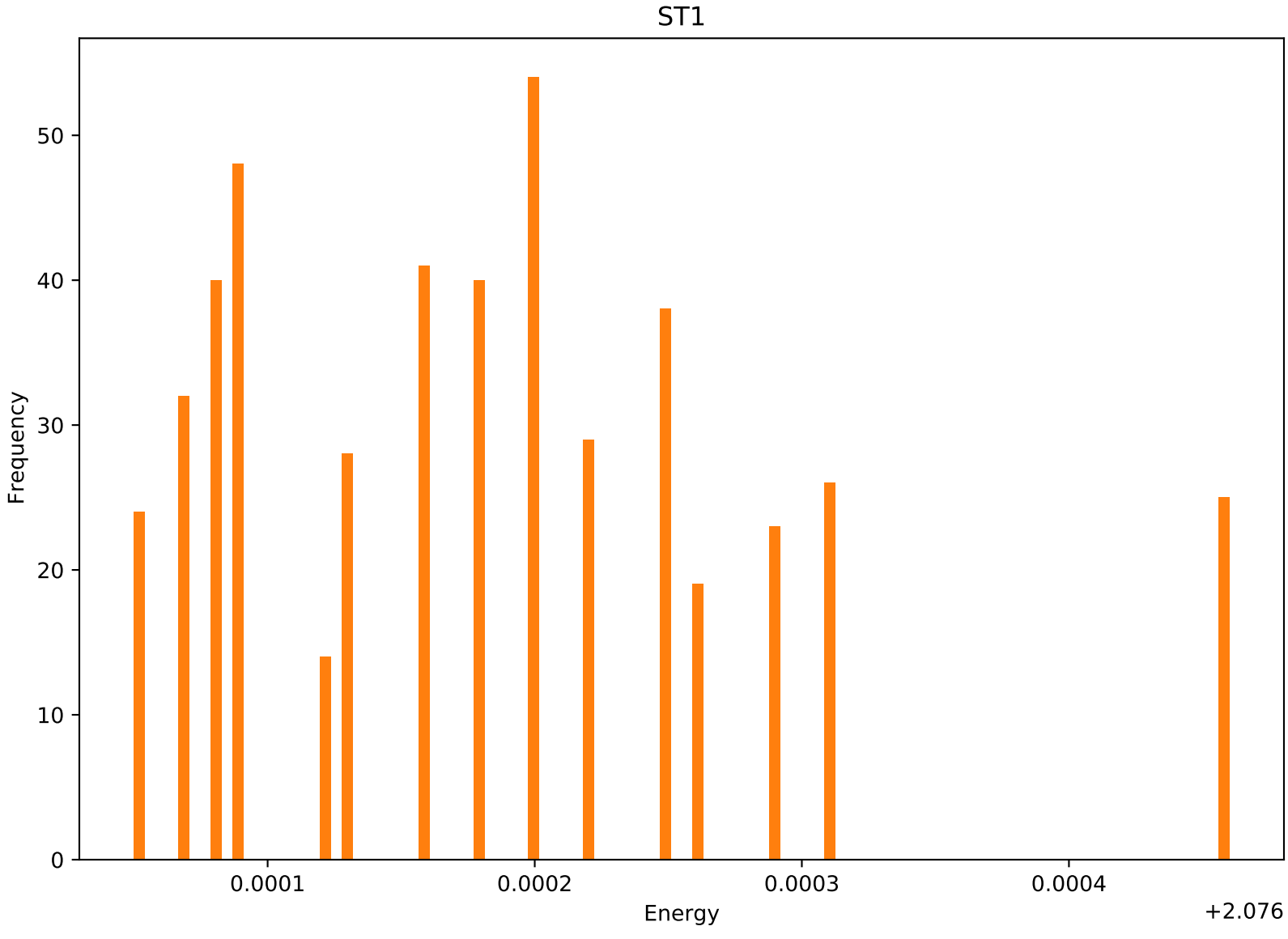

SS5
250
200
150
100
50
0
Frequency
−6.0
−5.8
−5.6
−5.4
−5.2
−5.0
Energy
1e−6−1.2843e−1

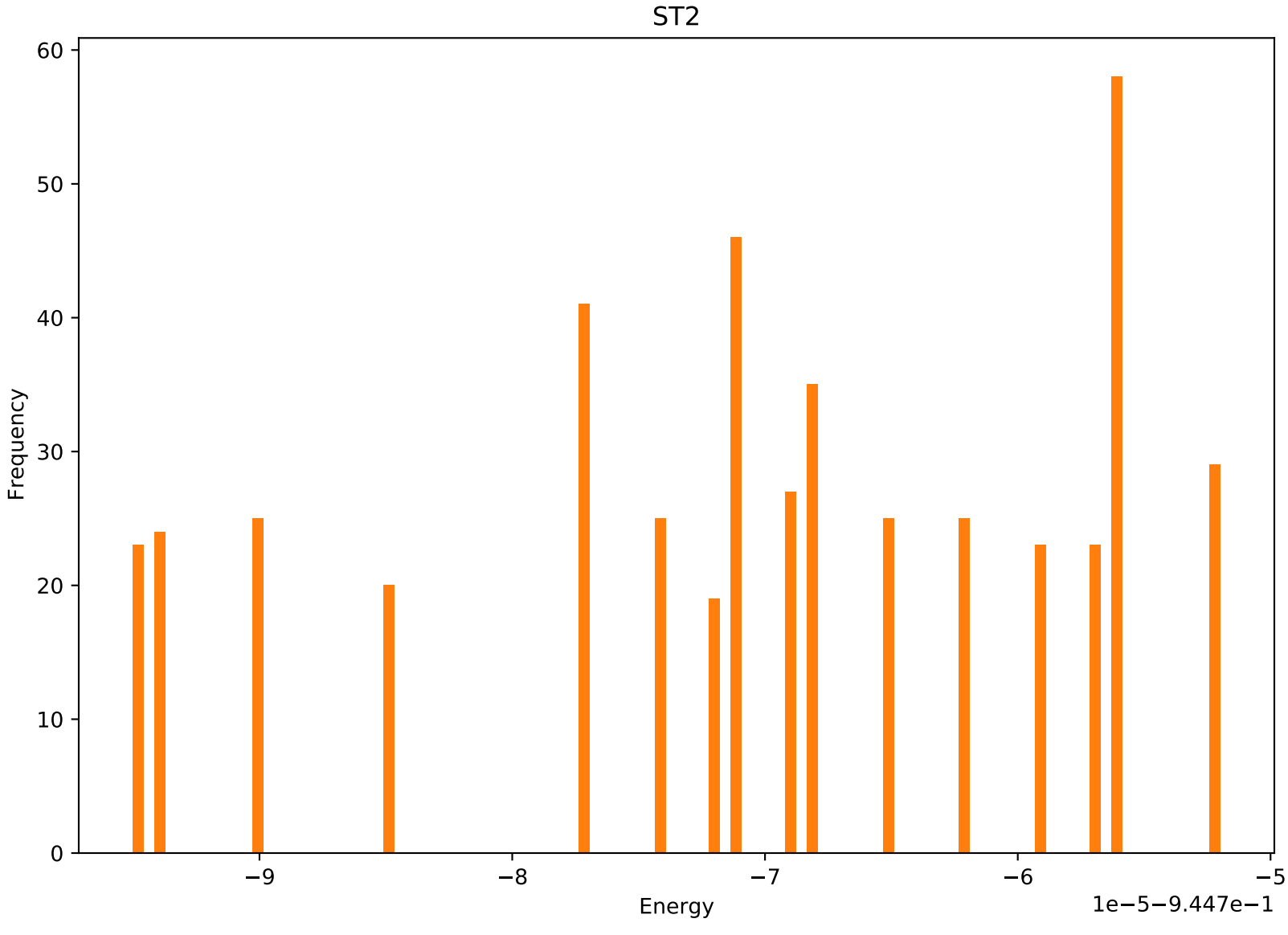

SS6
Frequency
100
80
60
40
20
0
−53
−52
−51
−50
−49
−48
−47
−46
Energy
1e−7−3.987e−2

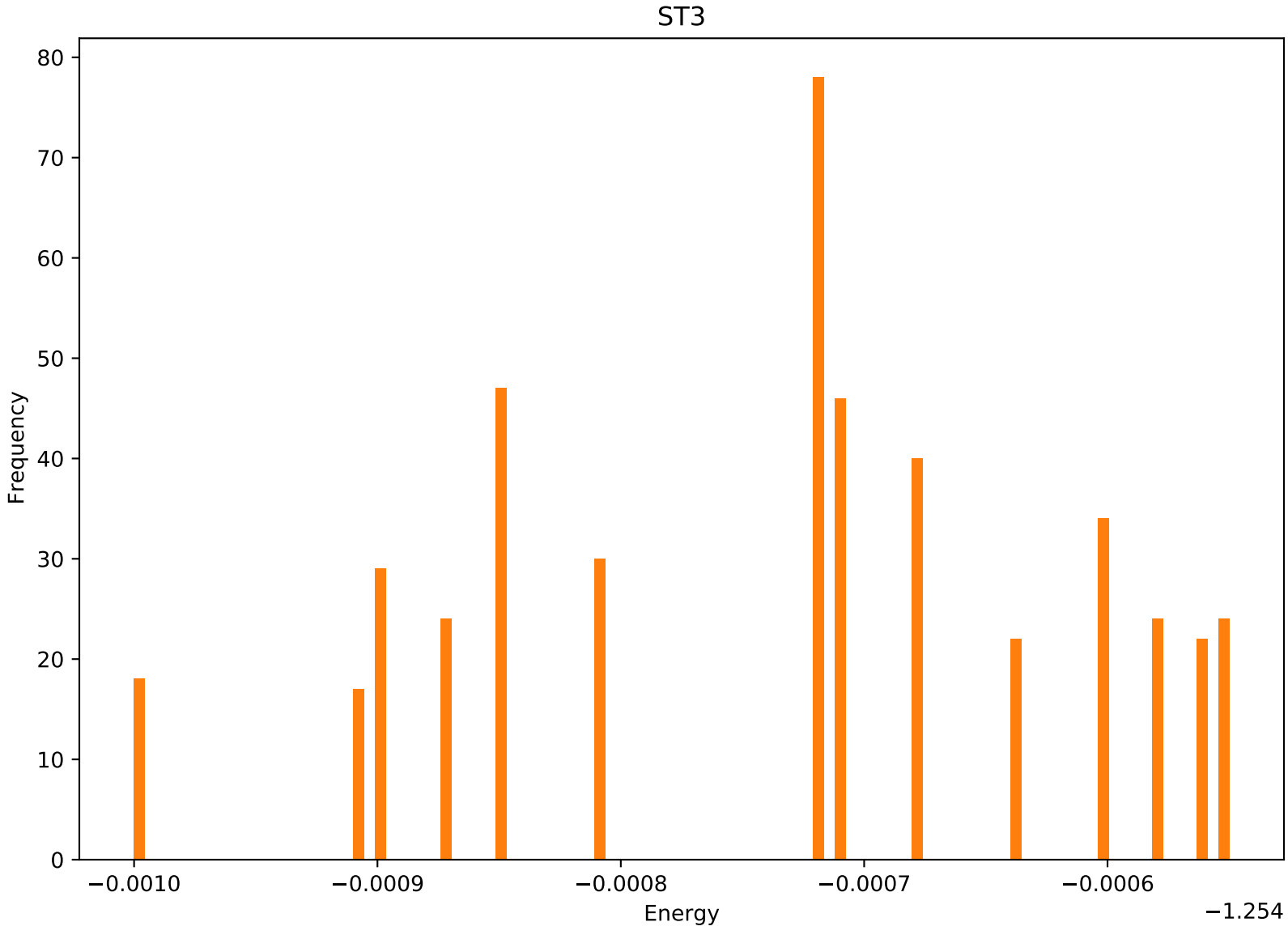

SS7
Frequency
0
20
40
60
80
100
−53
−52
−51
−50
−49
−48
−47
Energy
1e−7−2.569e−2

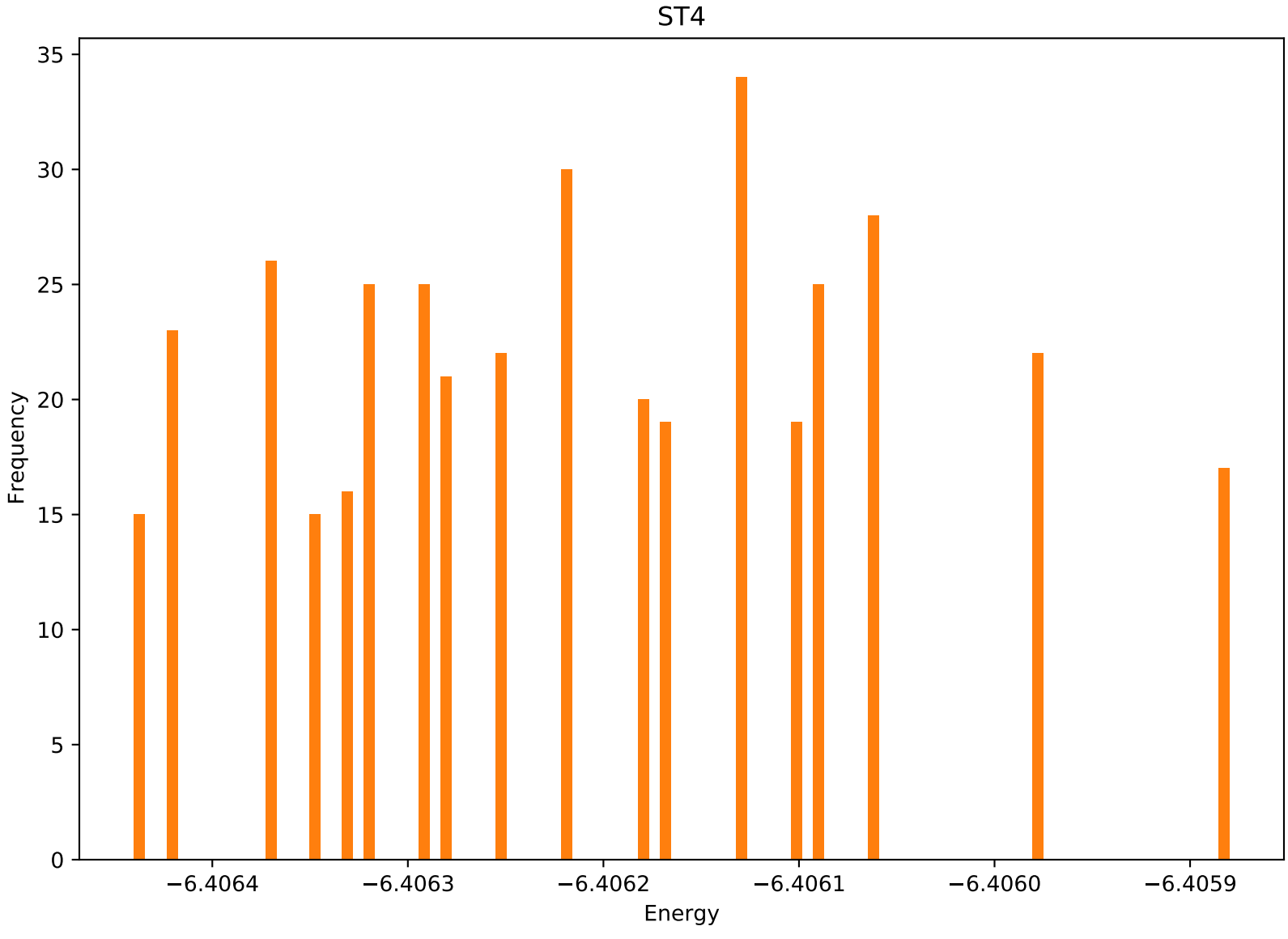

SS8
Frequency
0
20
40
60
80
−97
−96
−95
−94
−93
−92
−91
−90
−89
Energy
1e−8−5.527e−3

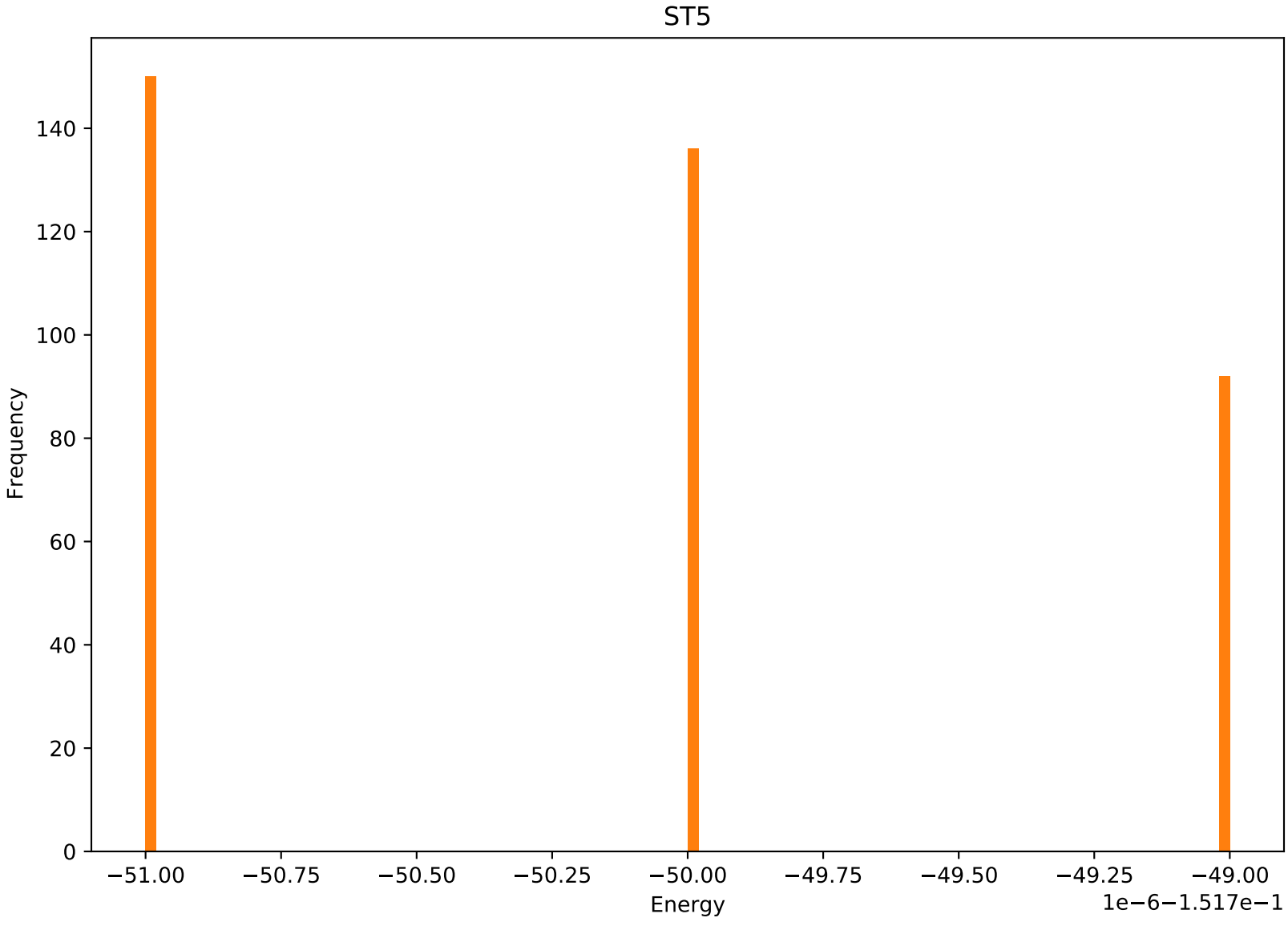

SS9
Frequency
0
10
20
30
40
50
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

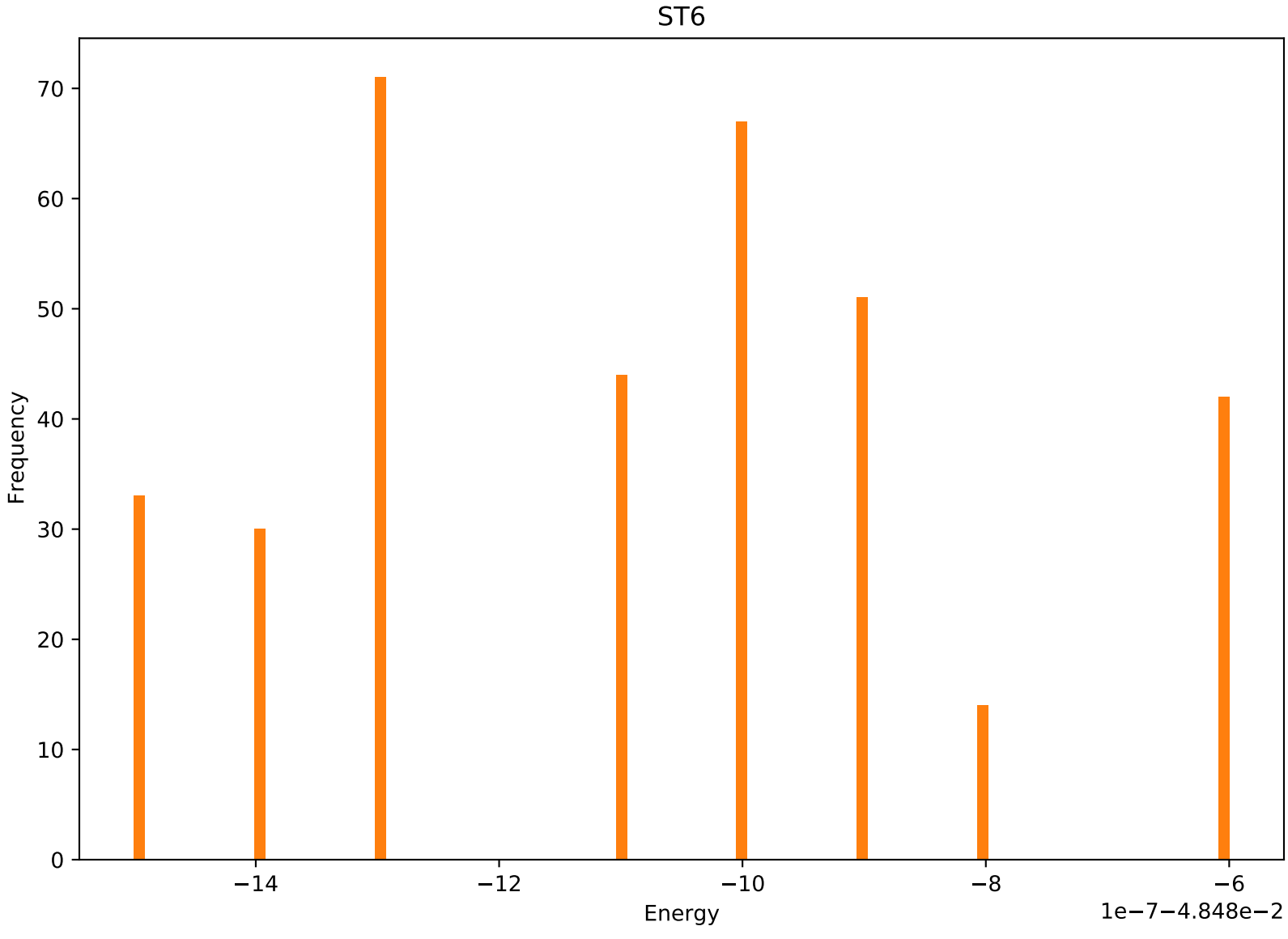

ST1
Frequency
0
10
20
30
40
50
0.0001
0.0002
0.0003
0.0004
Energy
+2.076

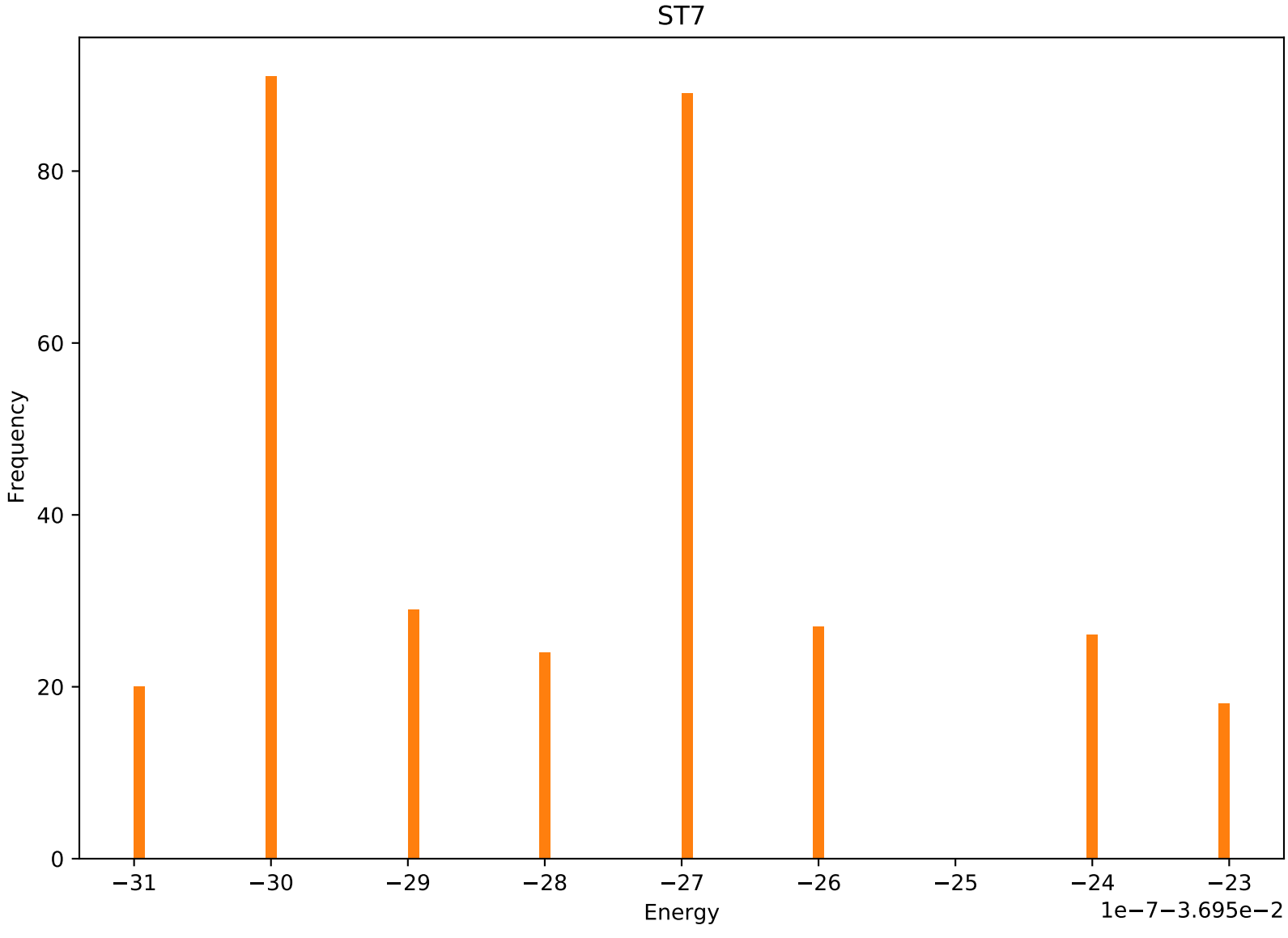

ST2
Frequency
Energy
1e−5−9.447e−1
0
10
20
30
40
50
60
−9
−8
−7
−6
−5

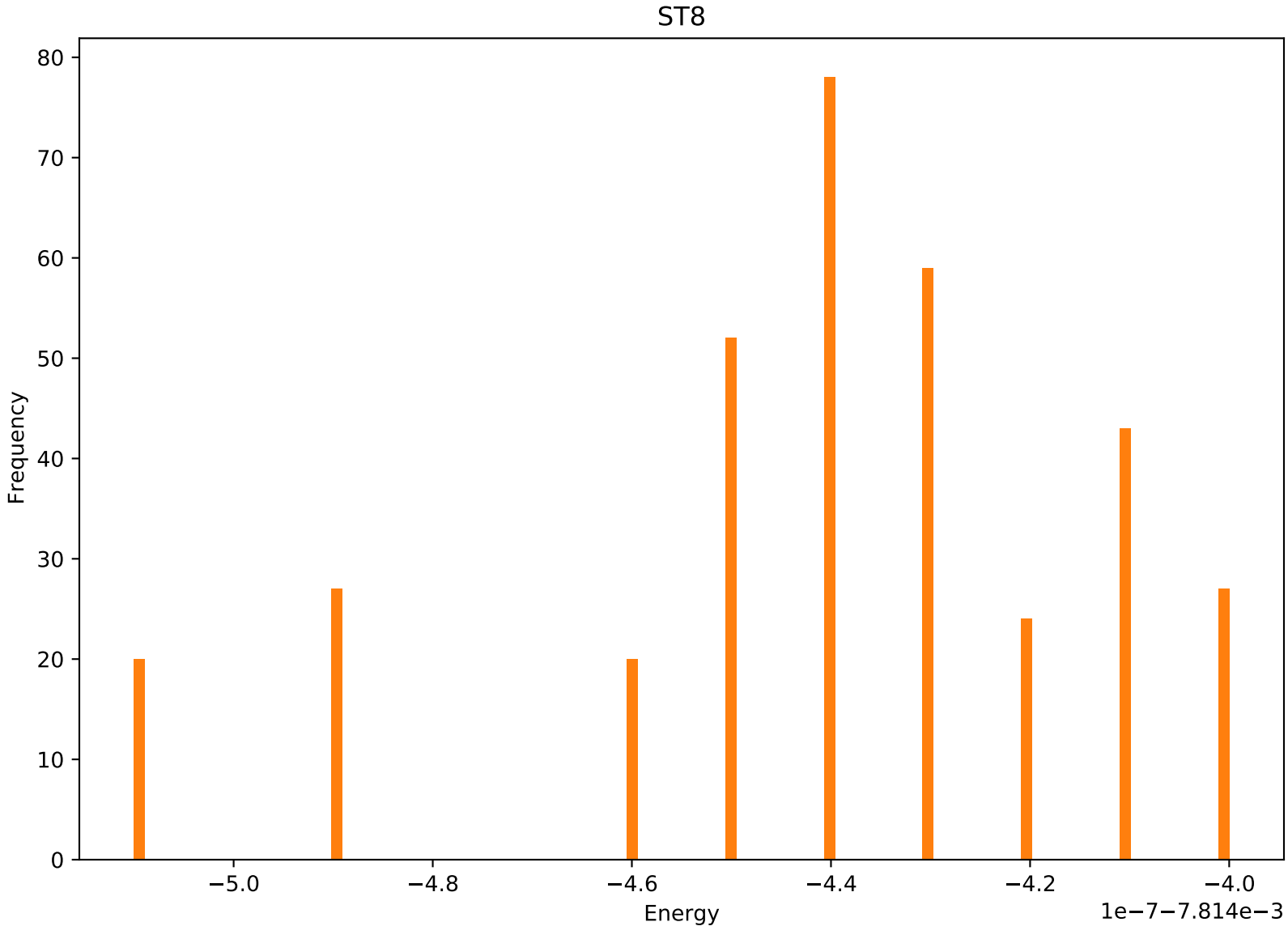

ST3
Frequency
0
10
20
30
40
50
60
70
80
−0.0010
−0.0009
−0.0008
−0.0007
−0.0006
Energy
−1.254

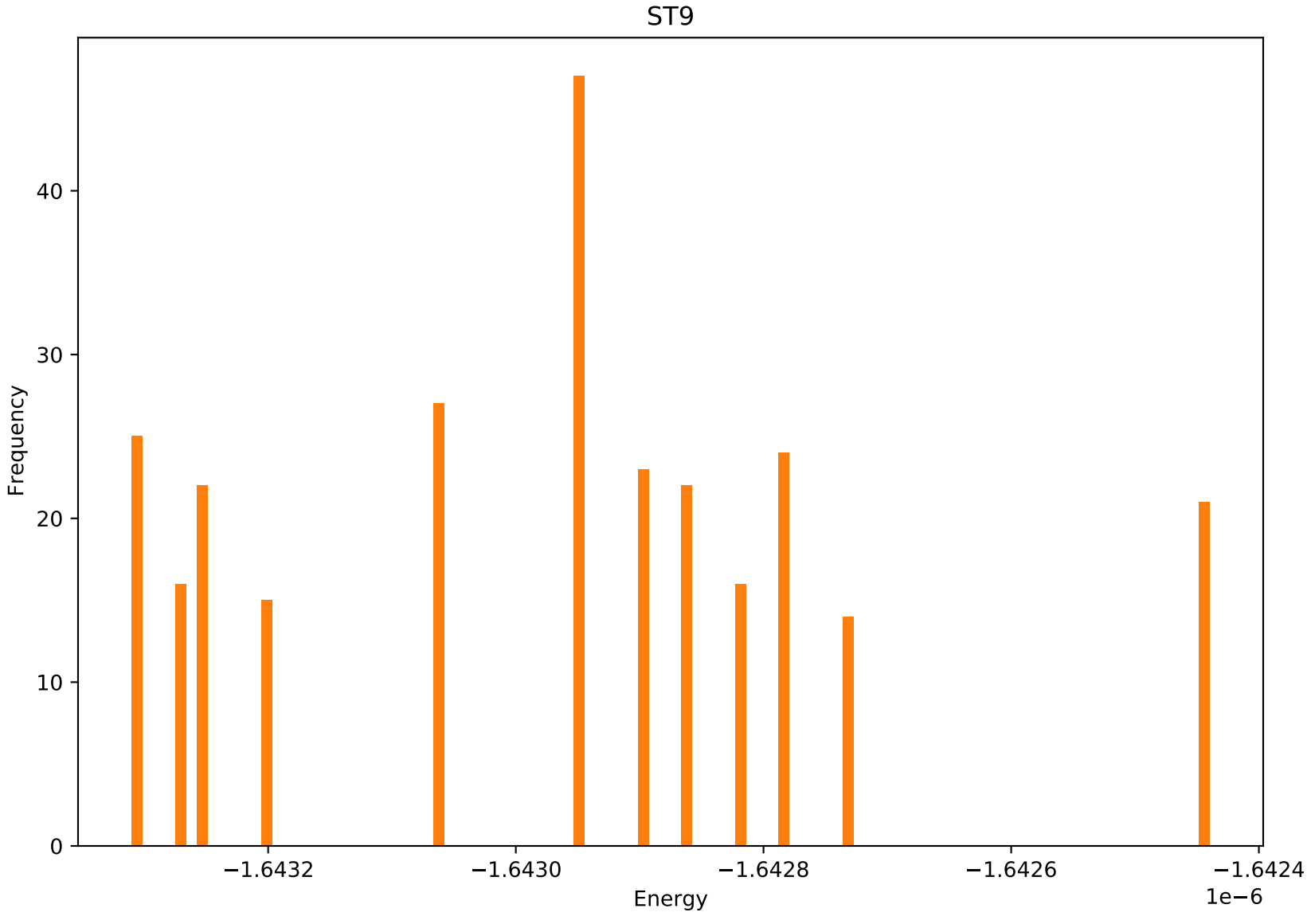

ST4
Frequency
Energy
0
5
10
15
20
25
30
35
−6.4064
−6.4063
−6.4062
−6.4061
−6.4060
−6.4059

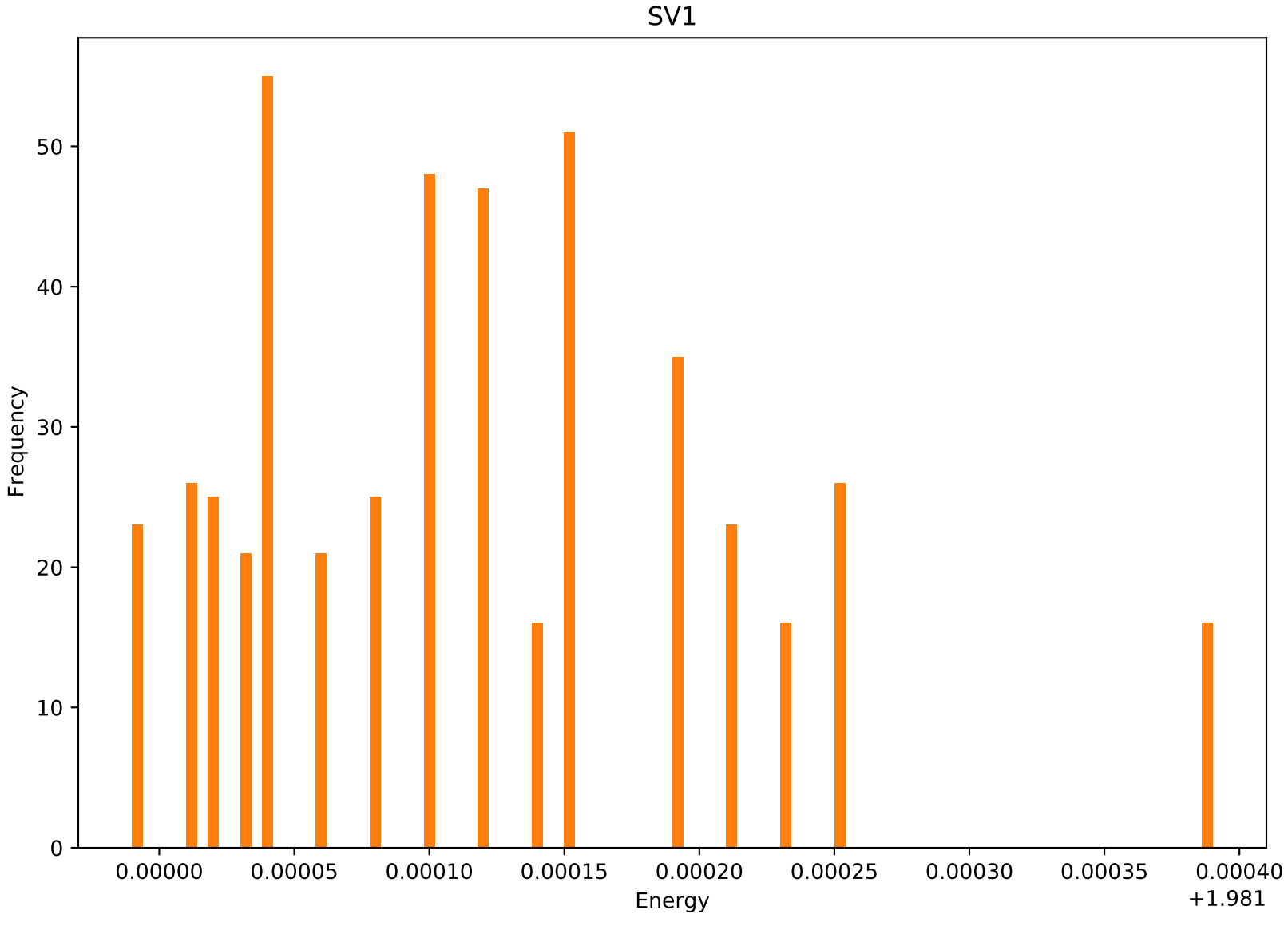

ST5
Frequency
0
20
40
60
80
100
120
140
−51.00
−50.75
−50.50
−50.25
−50.00
−49.75
−49.50
−49.25
−49.00
Energy
1e−6−1.517e−1

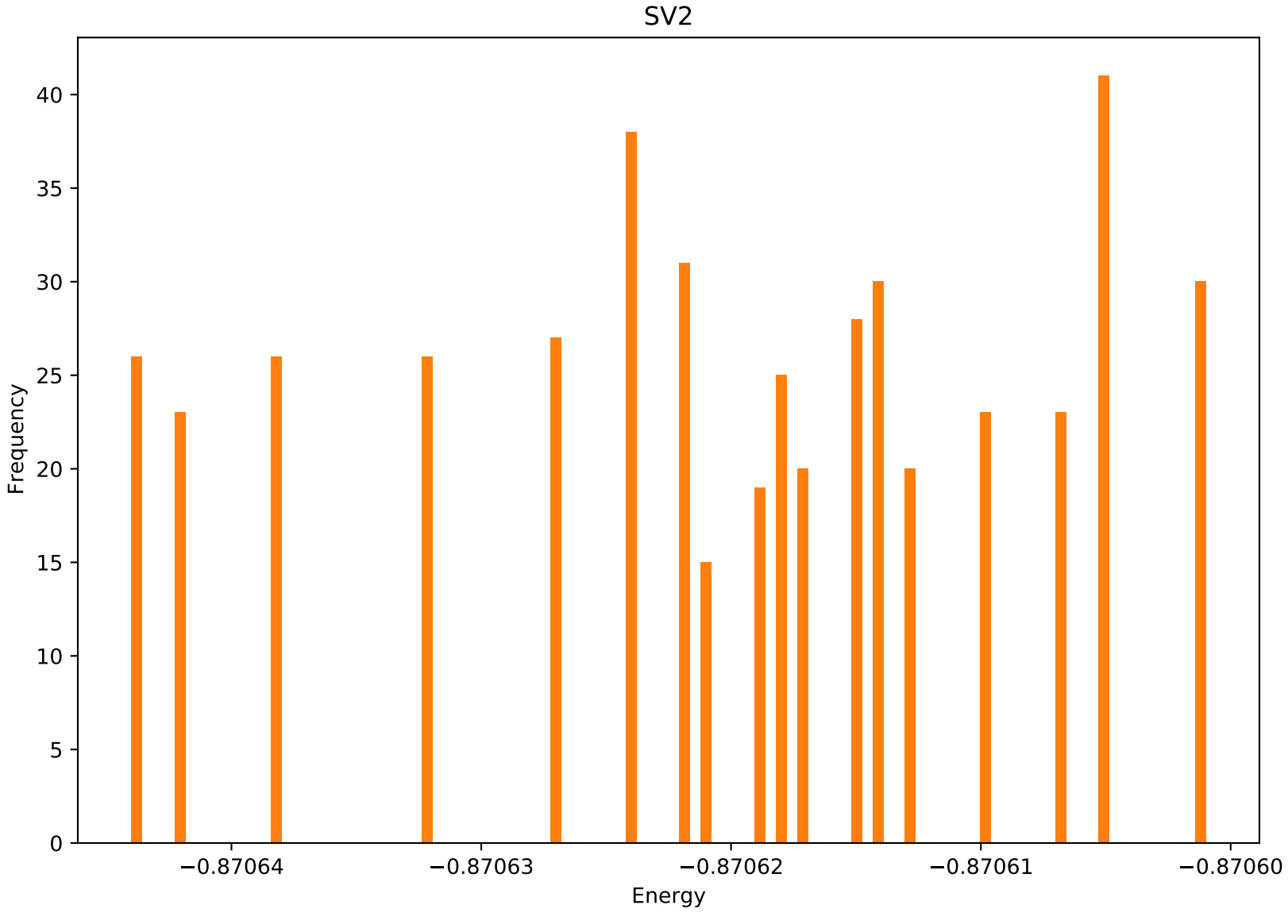

ST6
Frequency
0
10
20
30
40
50
60
70
−14
−12
−10
−8
−6
Energy
1e−7−4.848e−2

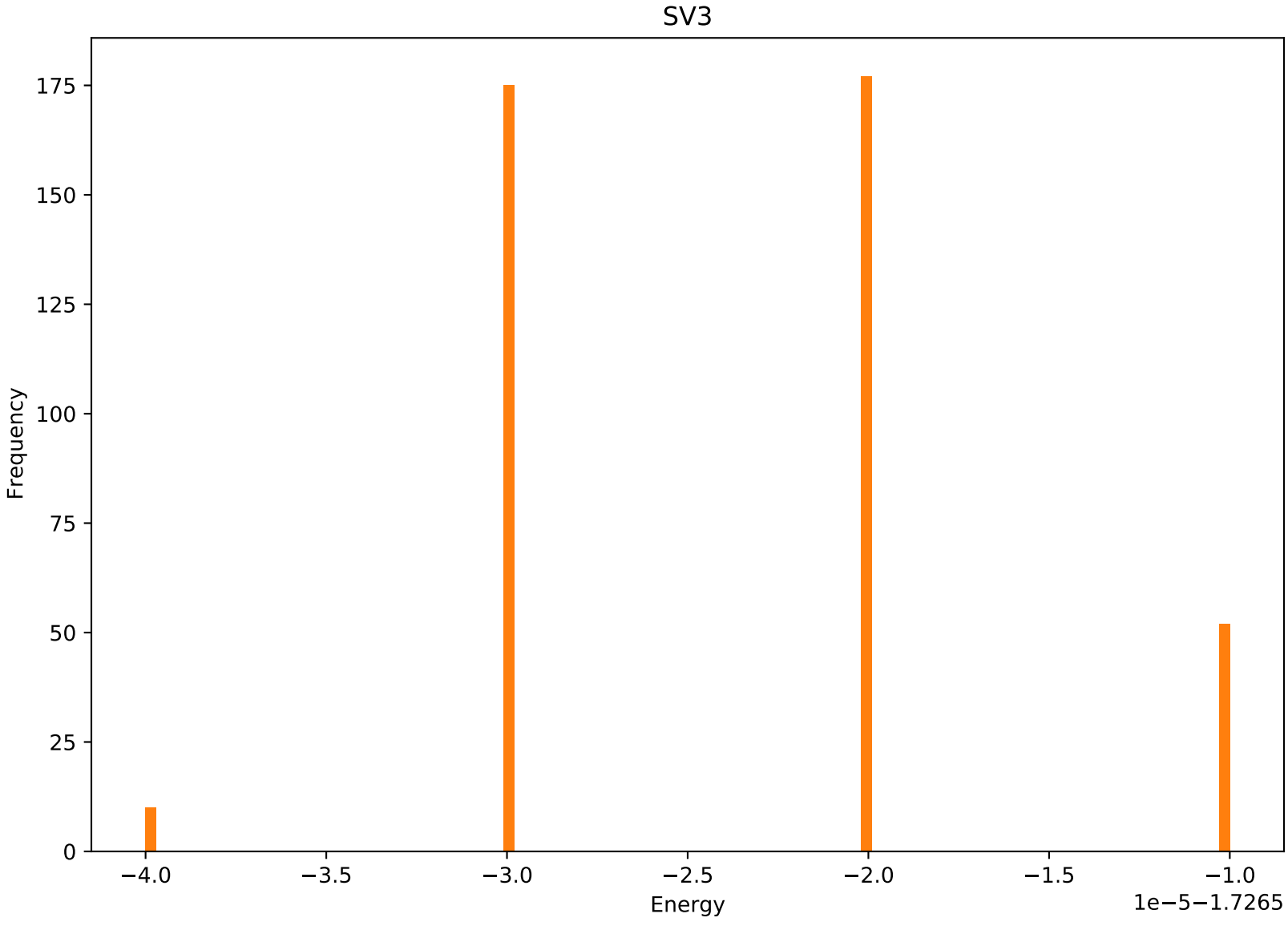

ST7
Frequency
0
20
40
60
80
−31
−30
−29
−28
−27
−26
−25
−24
−23
Energy
1e−7−3.695e−2

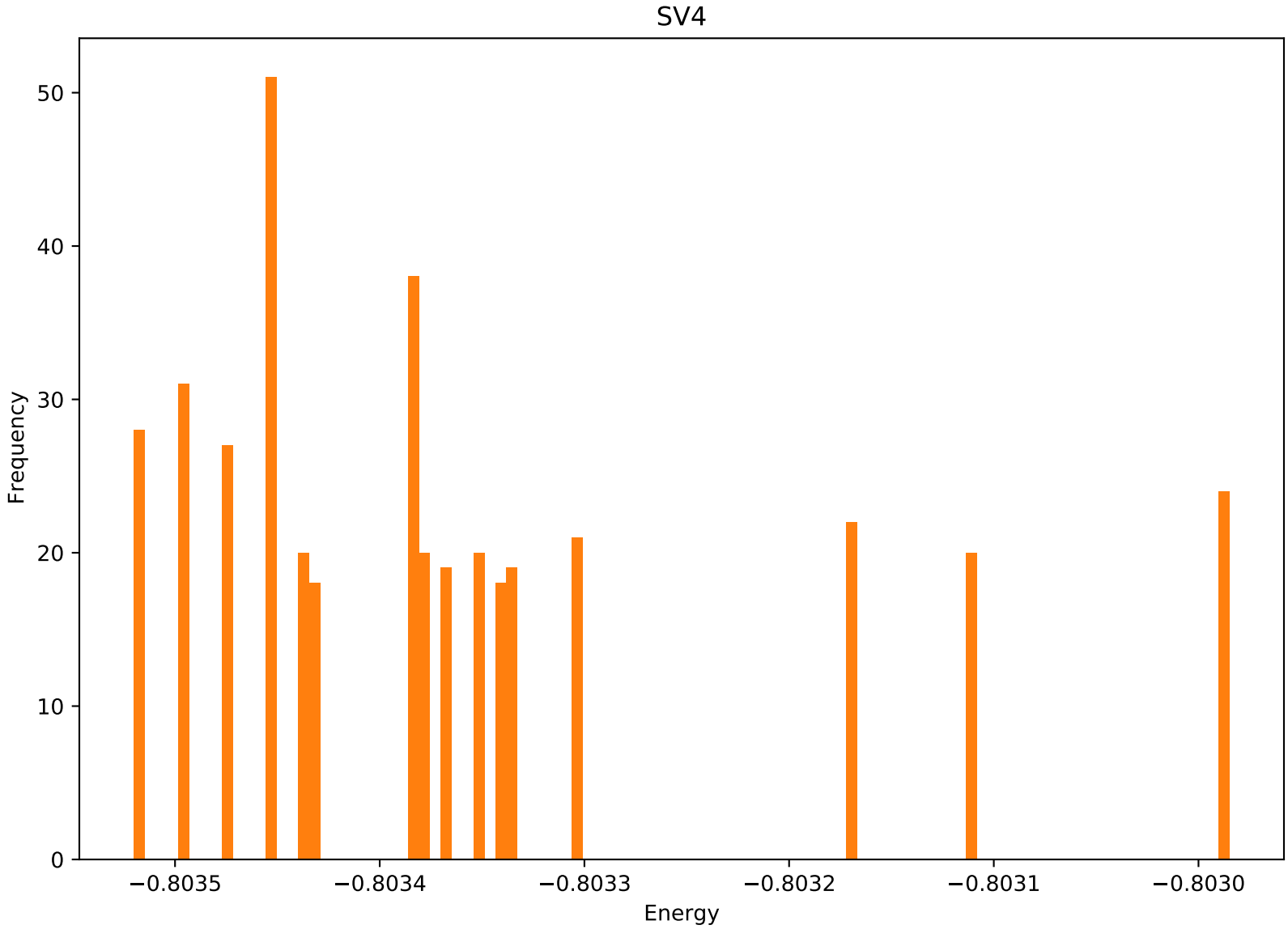

ST8
Frequency
0
10
20
30
40
50
60
70
80
−5.0
−4.8
−4.6
−4.4
−4.2
−4.0
Energy
1e−7−7.814e−3

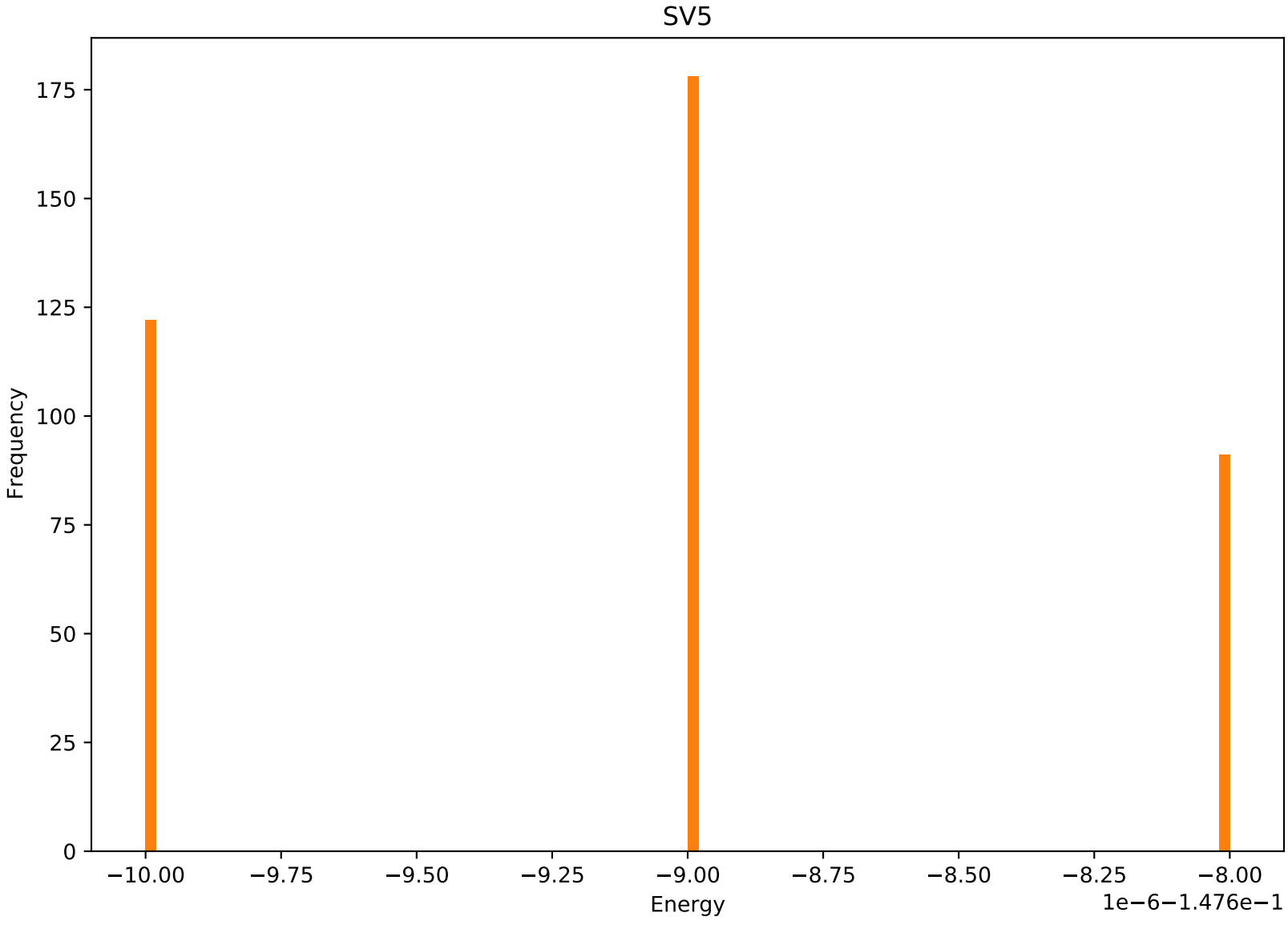

ST9
Frequency
0
10
20
30
40
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

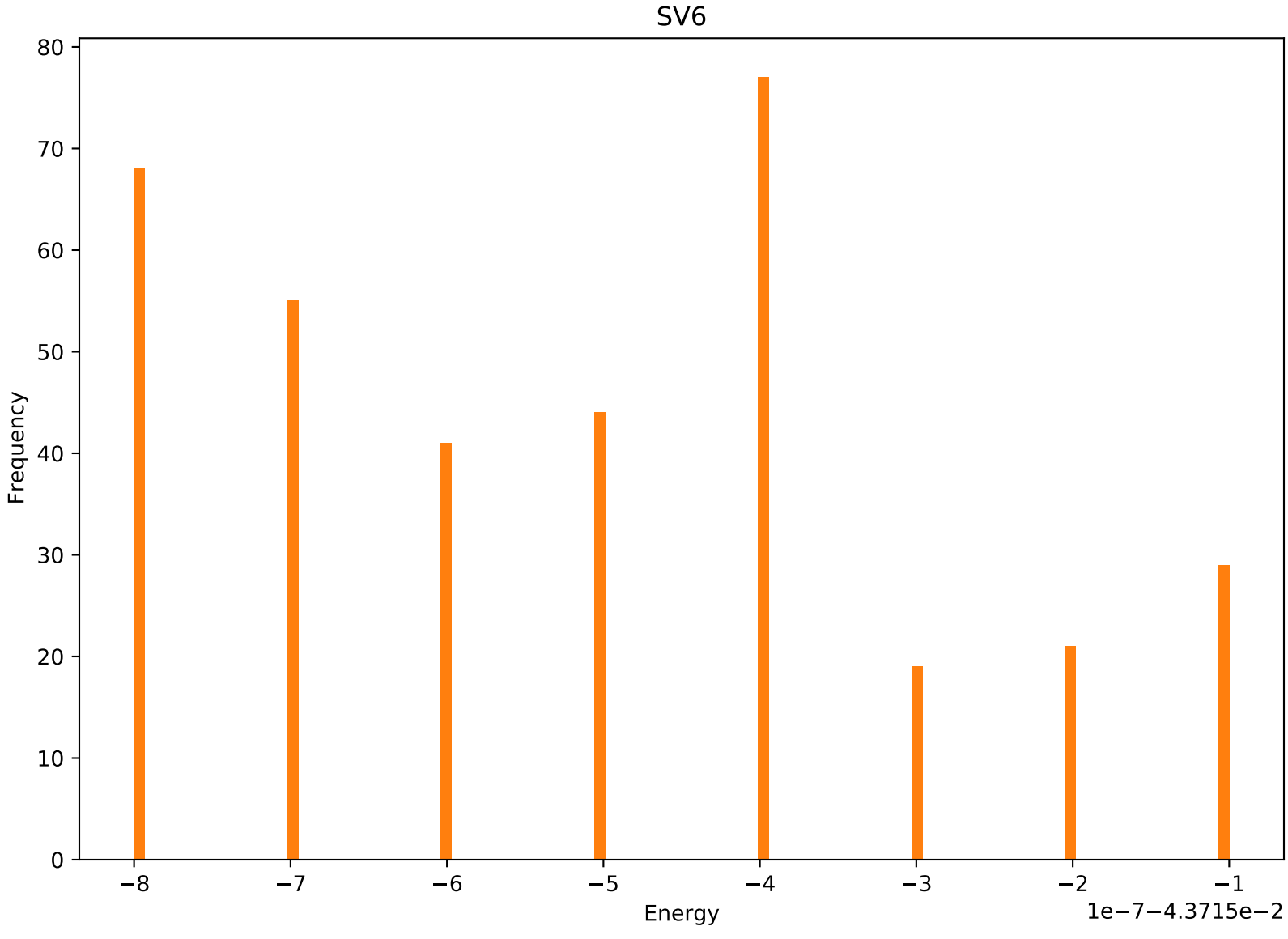

SV1
Frequency
0
10
20
30
40
50
0.00000
0.00005
0.00010
0.00015
0.00020
0.00025
0.00030
0.00035
0.00040
Energy
+1.981

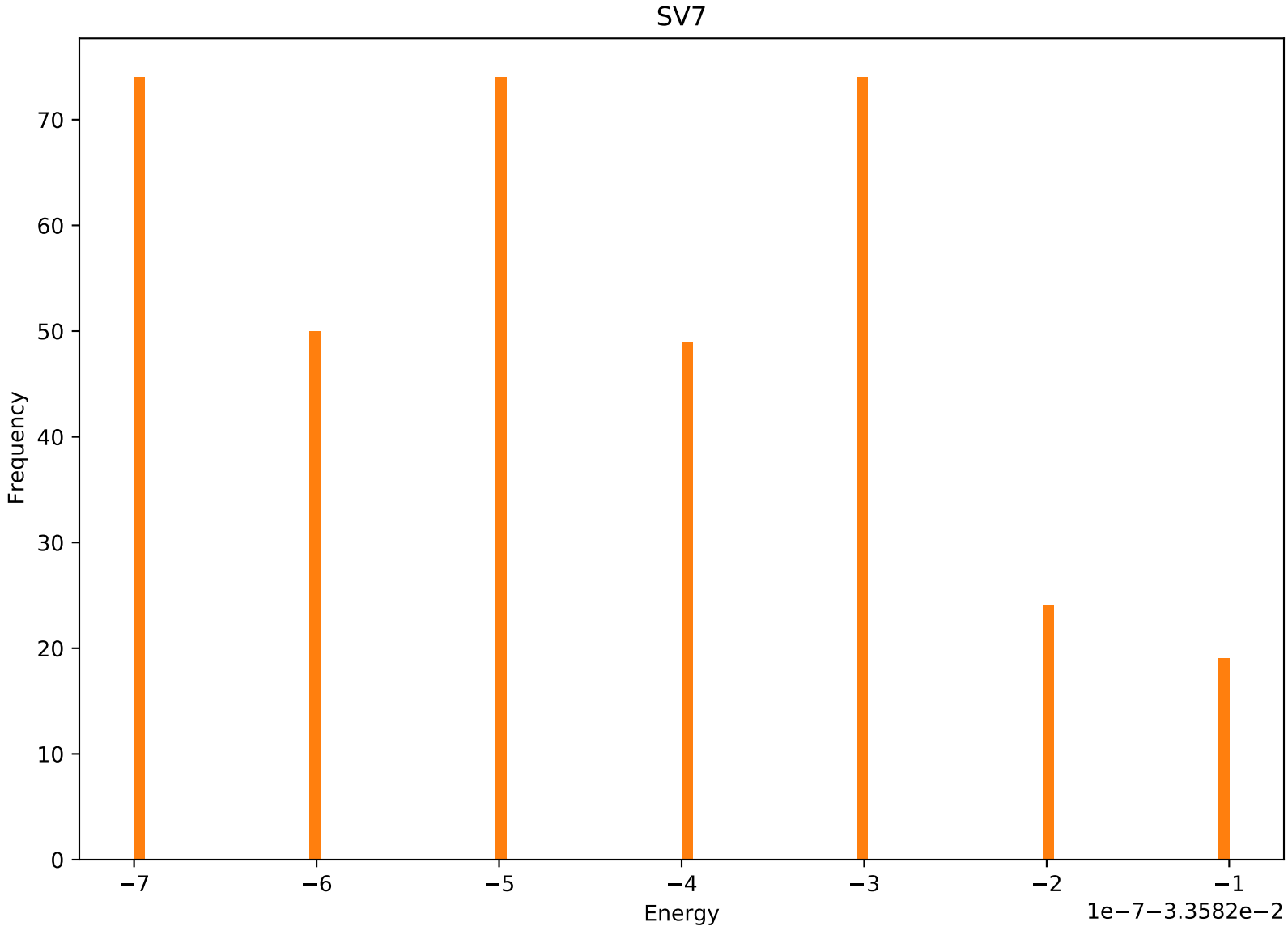

SV2
Frequency
0
5
10
15
20
25
30
35
40
−0.87064
−0.87063
−0.87062
−0.87061
−0.87060
Energy

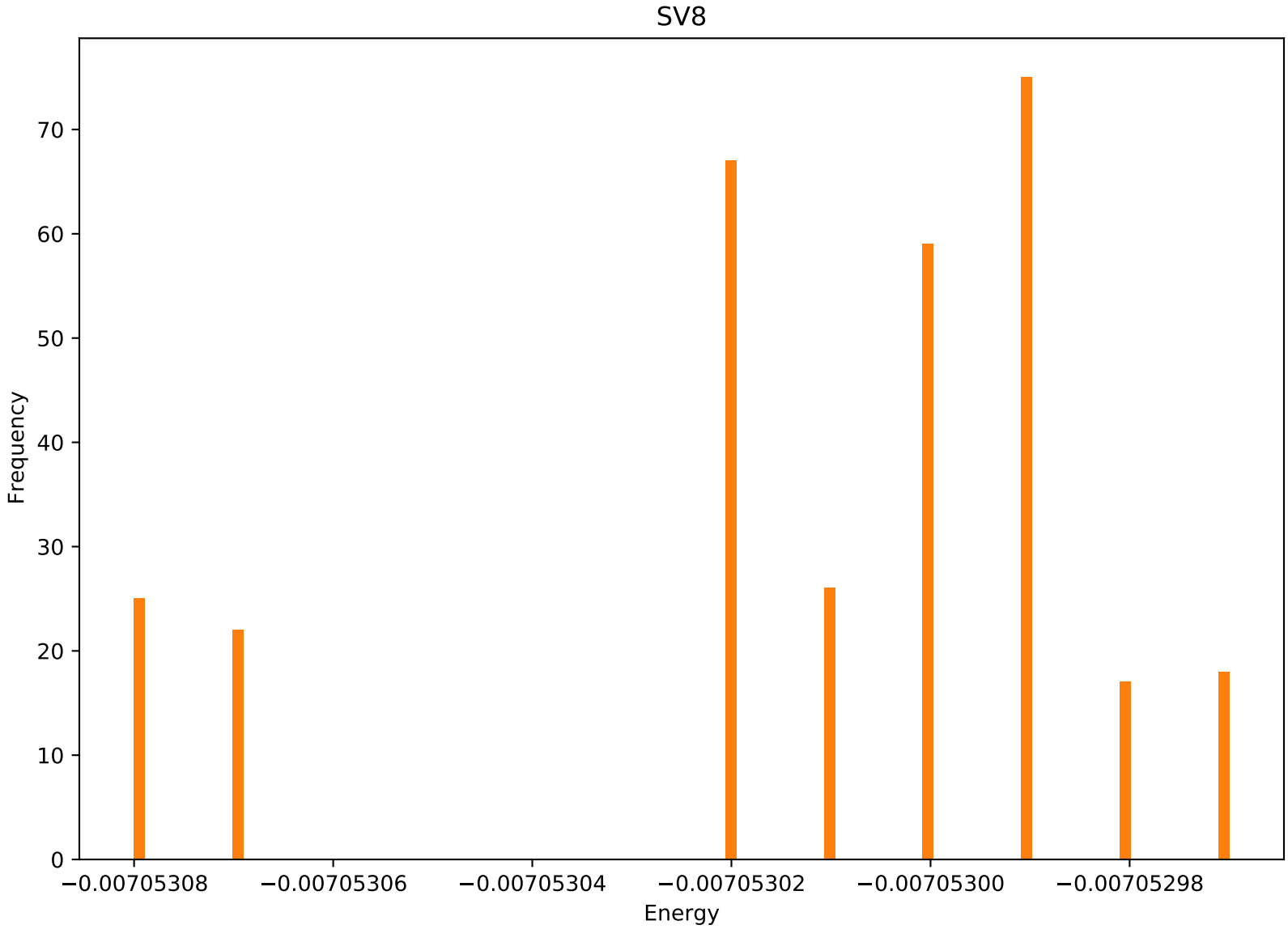

SV3
Frequency
175
150
125
100
75
50
25
0
−4.0
−3.5
−3.0
−2.5
−2.0
−1.5
−1.0
Energy
1e−5−1.7265

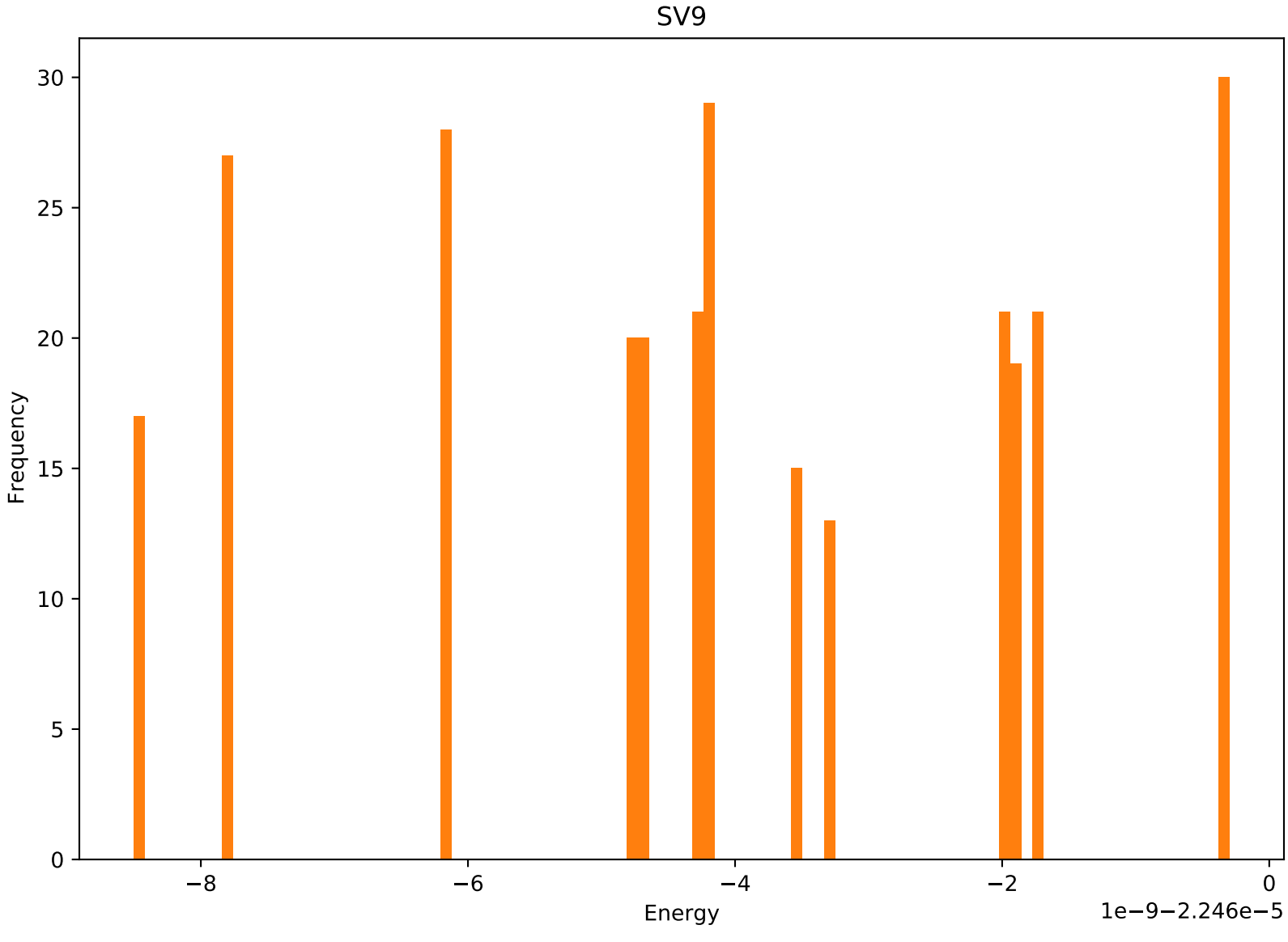

SV4
Frequency
Energy
0
10
20
30
40
50
−0.8035
−0.8034
−0.8033
−0.8032
−0.8031
−0.8030

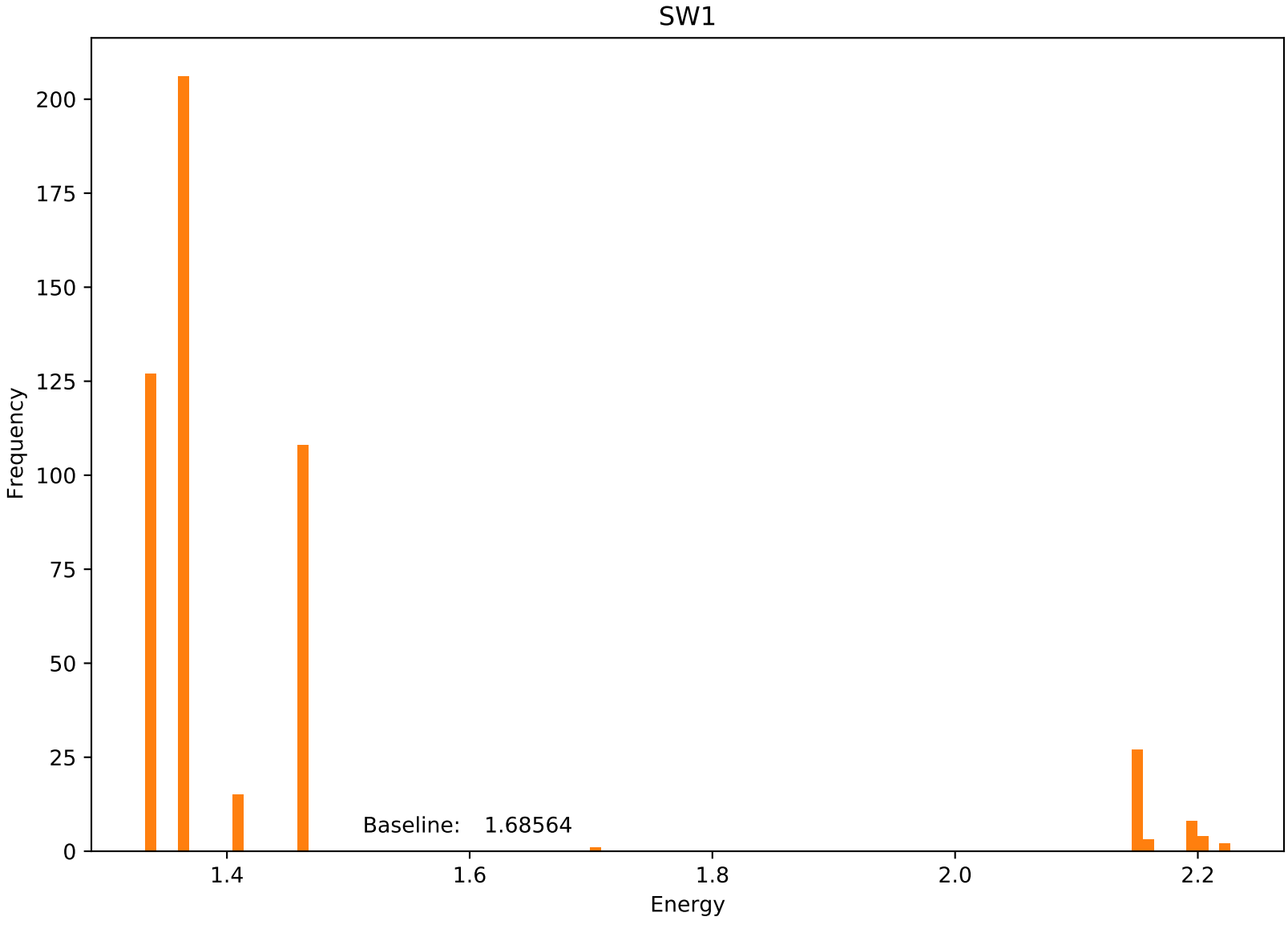

SV5
175
150
125
100
75
50
25
0
Frequency
−10.00
−9.75
−9.50
−9.25
−9.00
−8.75
−8.50
−8.25
−8.00
Energy
1e−6−1.476e−1

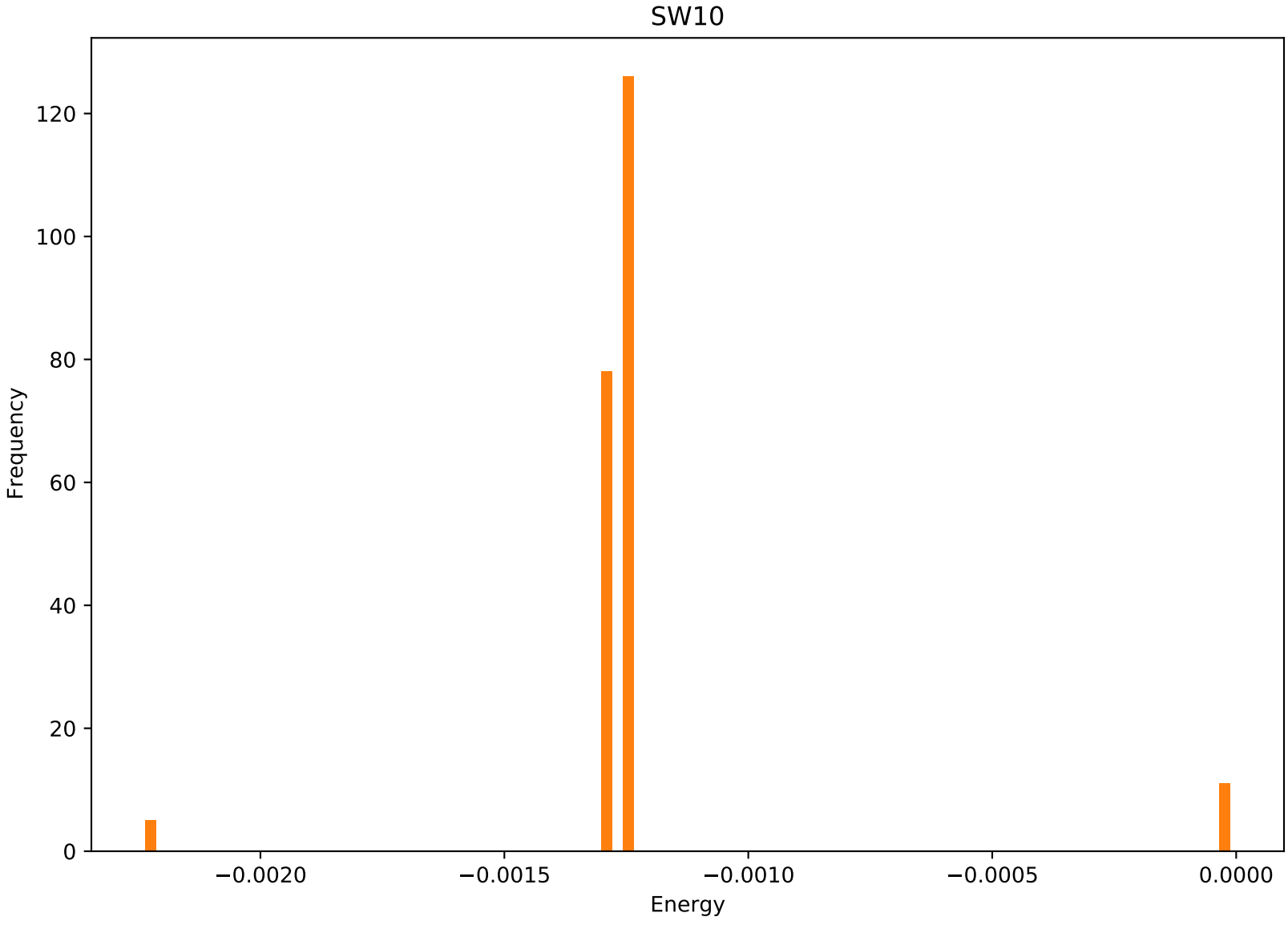

SV6
Frequency
Energy
1e−7−4.3715e−2
0
10
20
30
40
50
60
70
80
−8
−7
−6
−5
−4
−3
−2
−1

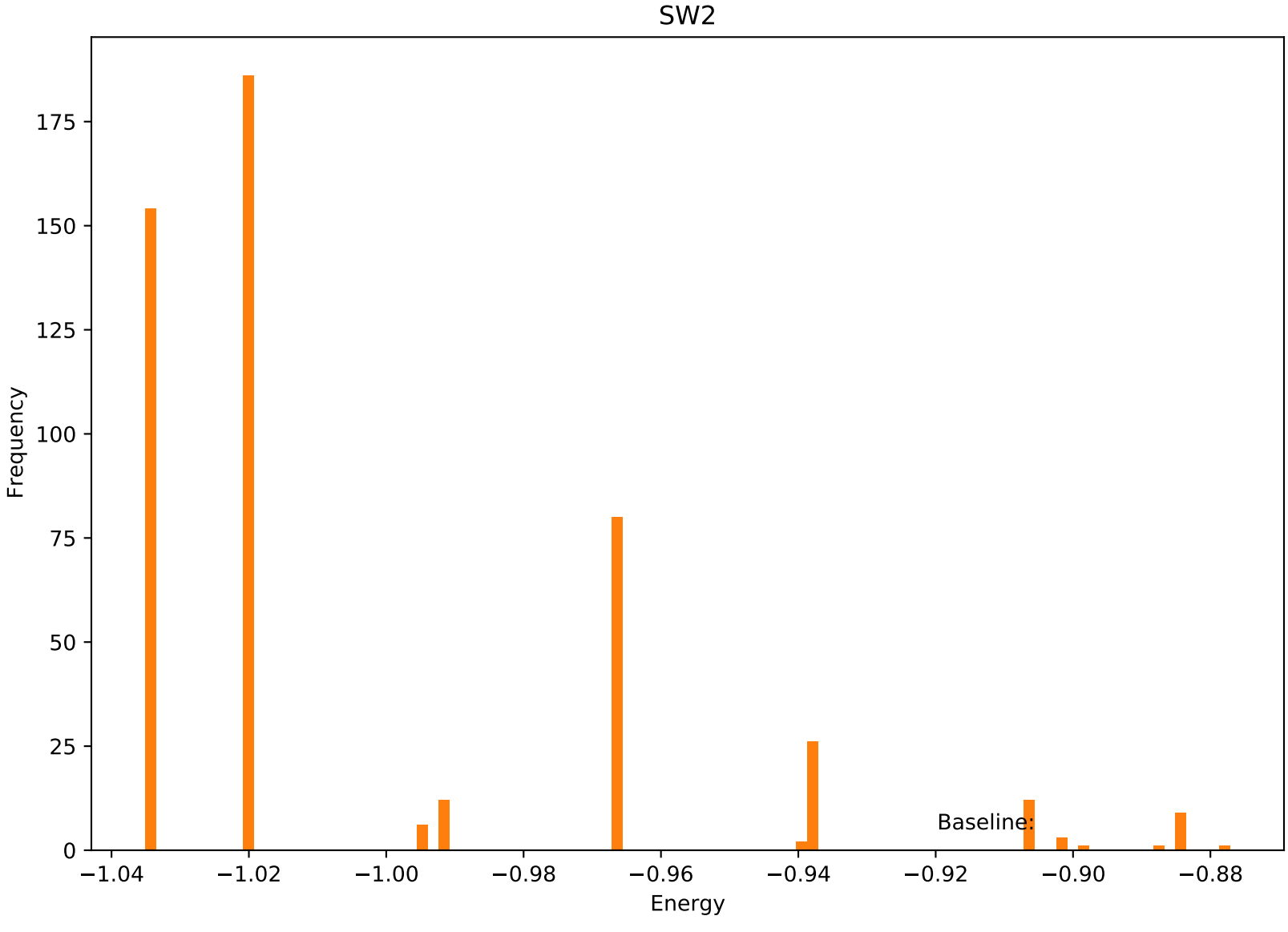

SV7
Frequency
0
10
20
30
40
50
60
70
−7
−6
−5
−4
−3
−2
−1
Energy
1e−7−3.3582e−2

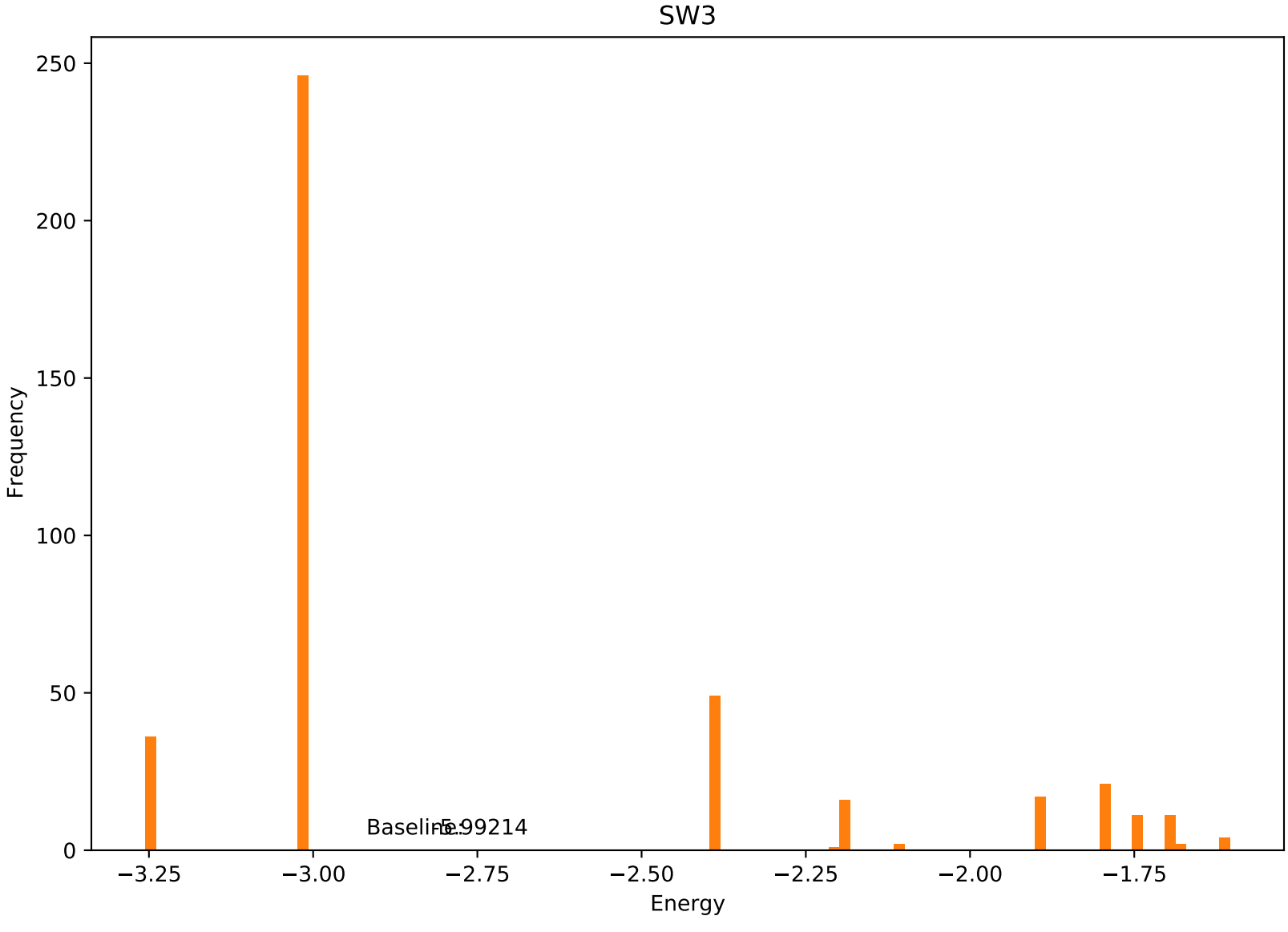

SV8
Frequency
0
10
20
30
40
50
60
70
−0.00705308
−0.00705306
−0.00705304
−0.00705302
−0.00705300
−0.00705298
Energy

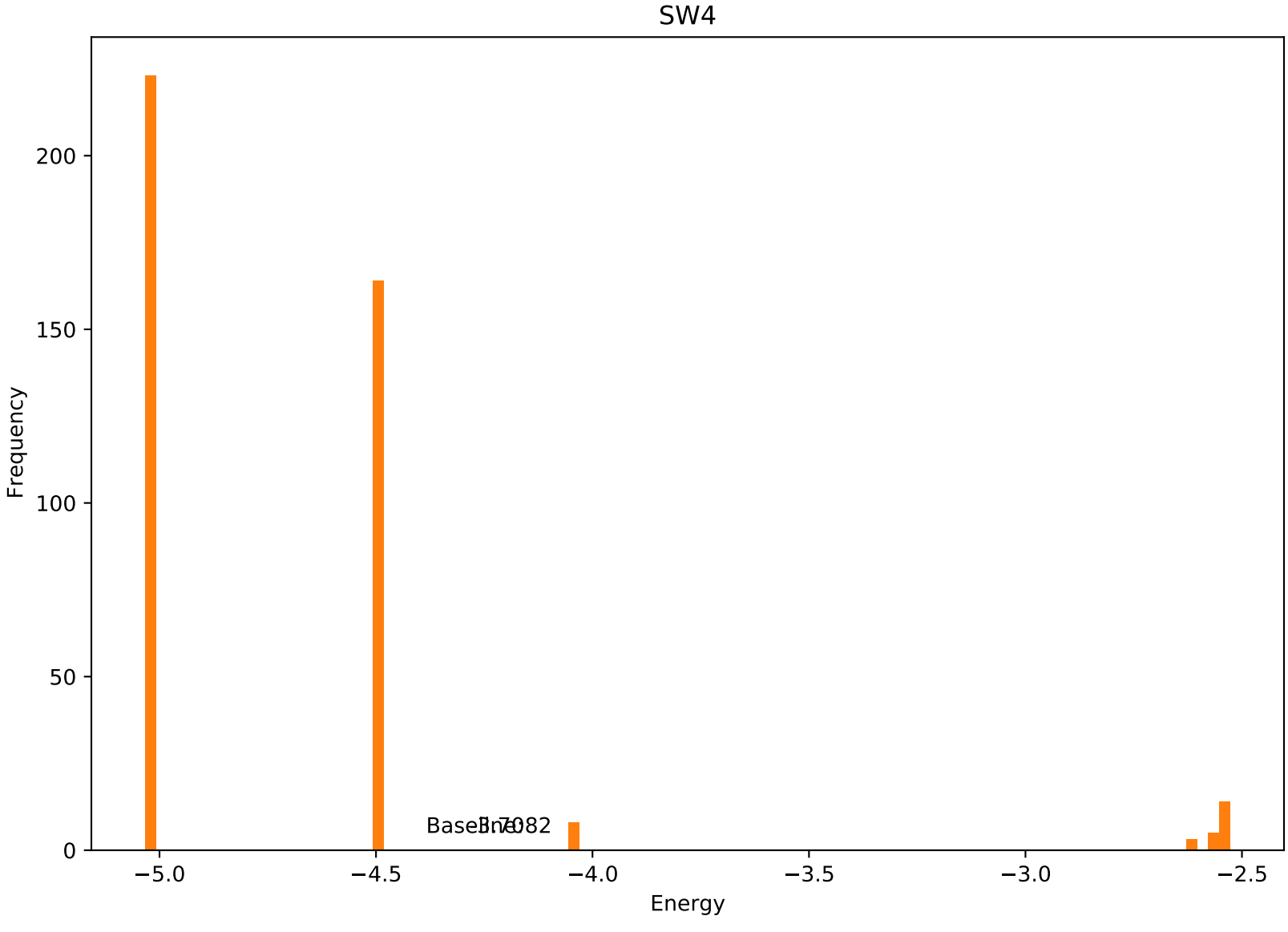

SV9
Frequency
30
25
20
15
10
5
0
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

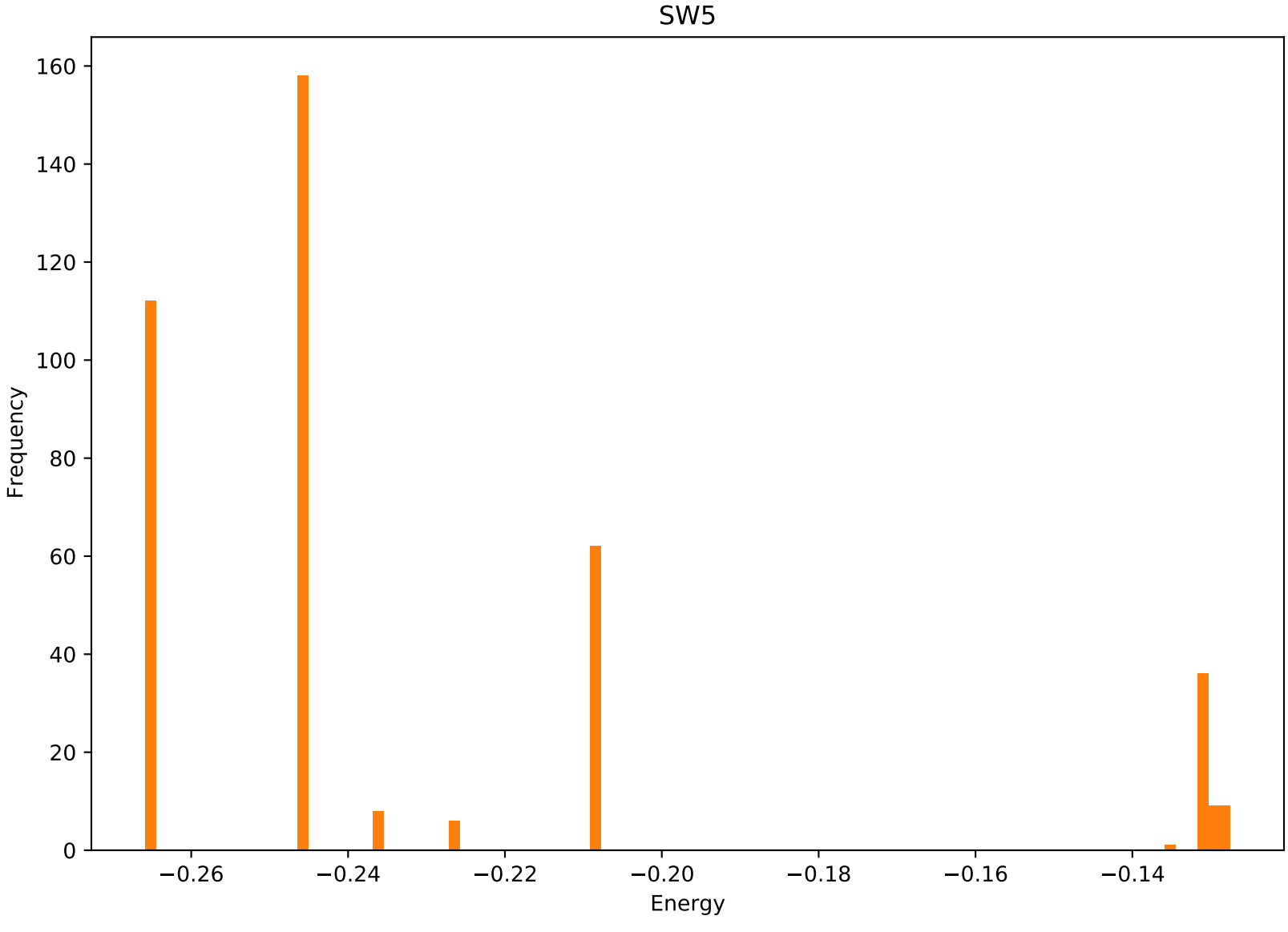

SW1
Frequency
200
175
150
125
100
75
50
25
0
Baseline: 1.68564
1.4
1.6
1.8
2.0
2.2
Energy

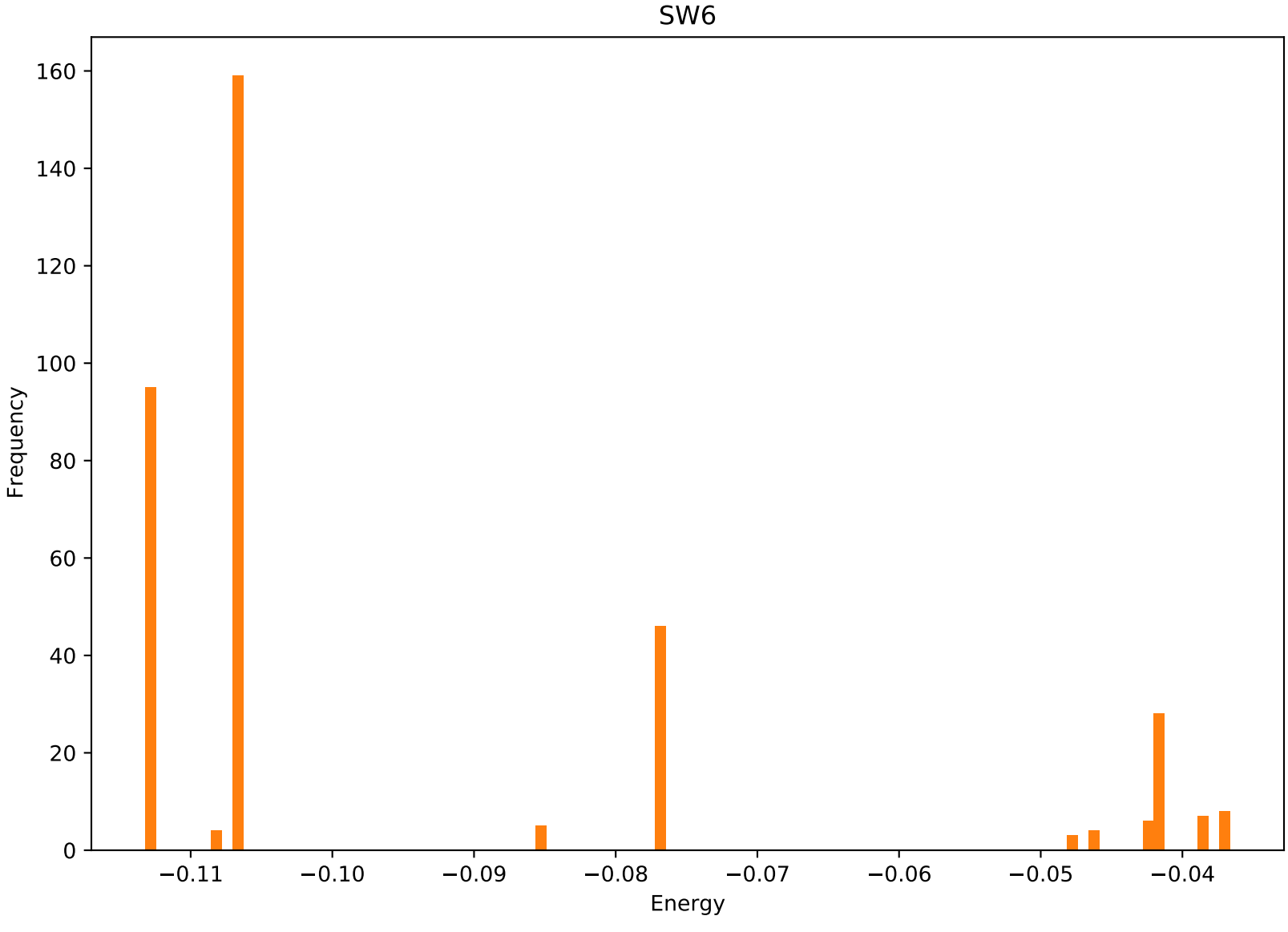

SW10
120
100
80
60
40
20
0
Frequency
−0.0020
−0.0015
−0.0010
−0.0005
0.0000
Energy

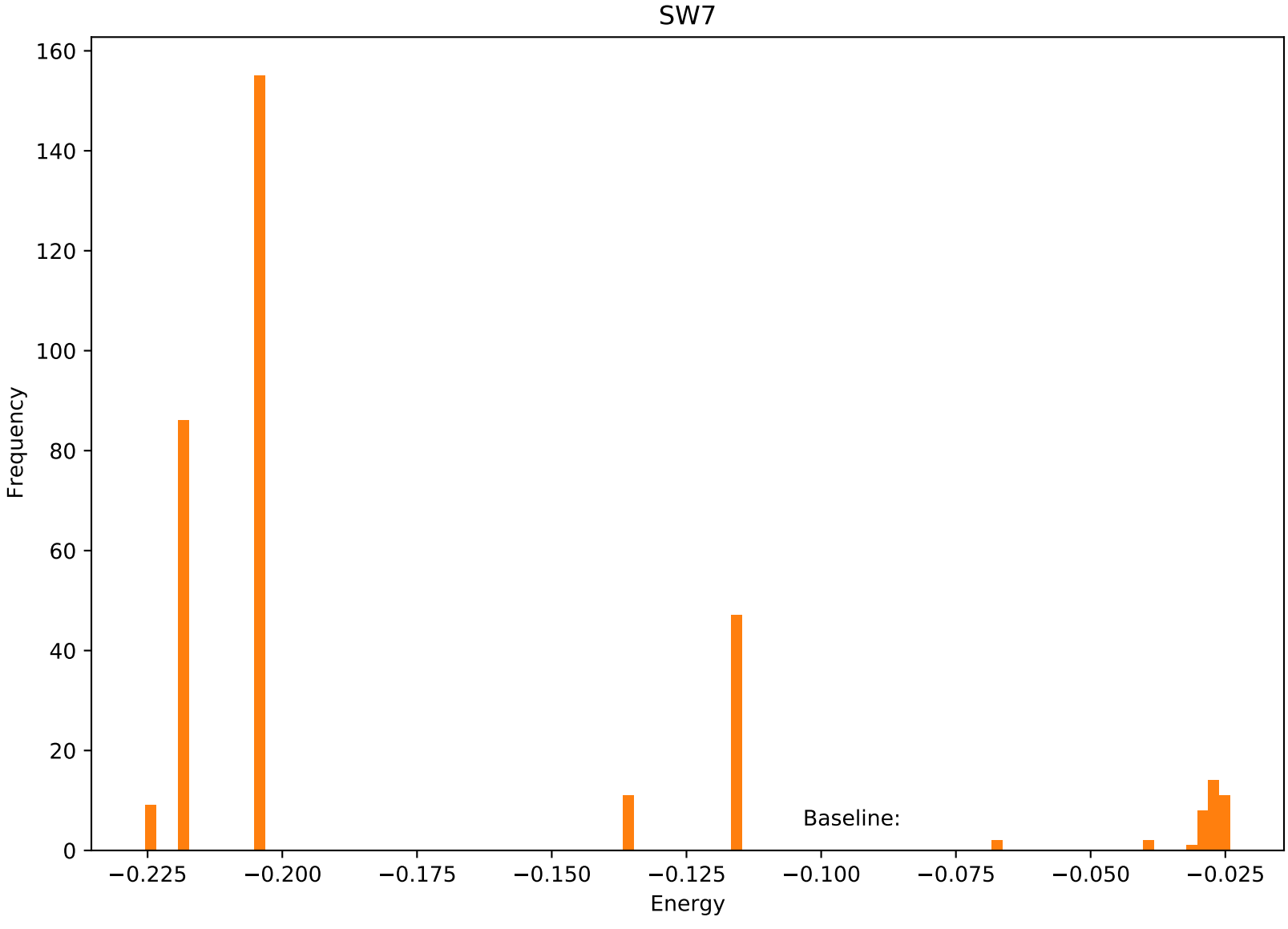

SW2
Frequency
Energy
Baseline:
0
25
50
75
100
125
150
175
−1.04
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88

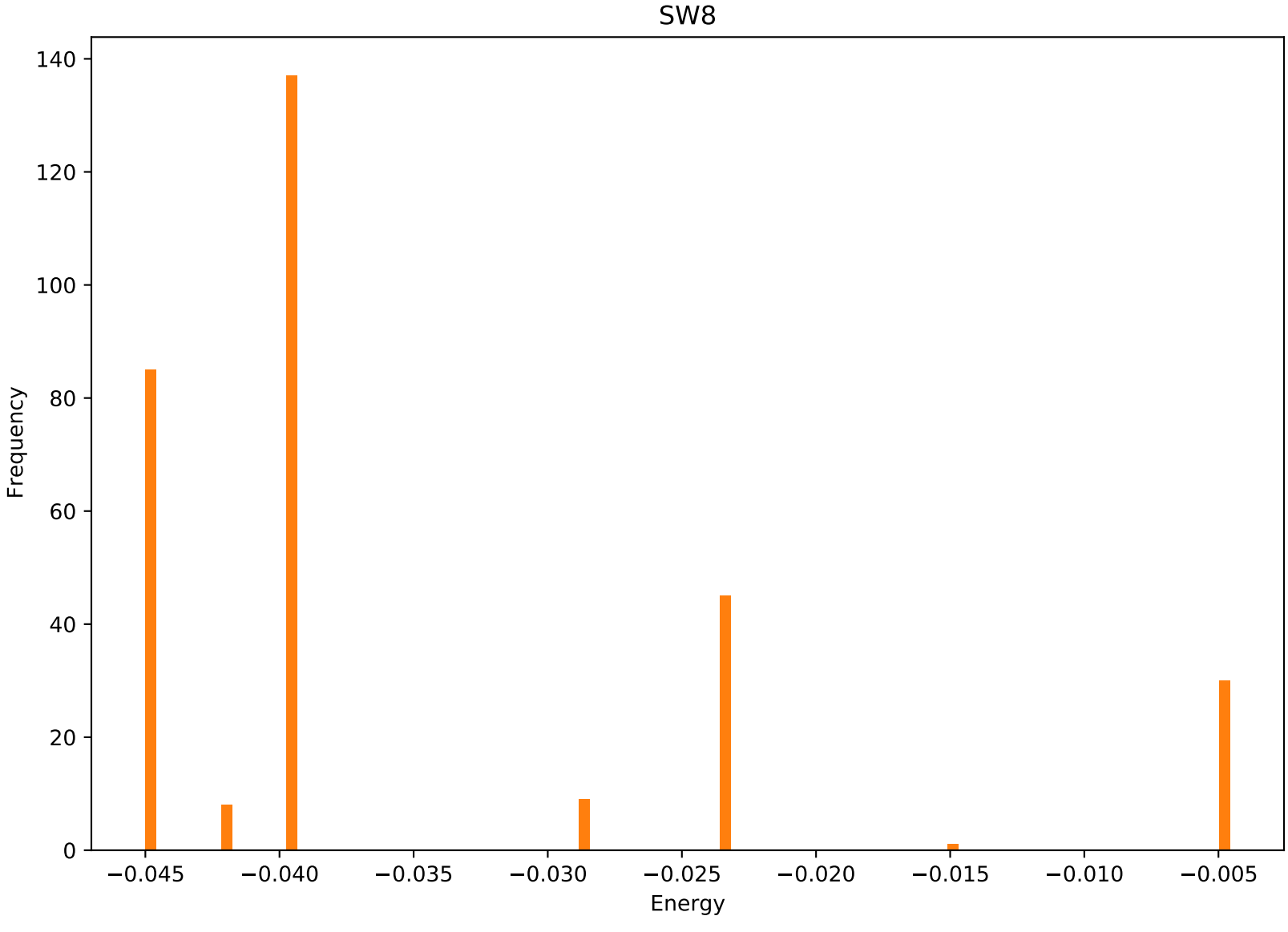

SW3
250
200
150
100
50
0
Frequency
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
−1.75
Energy
Baseline: -2.99214

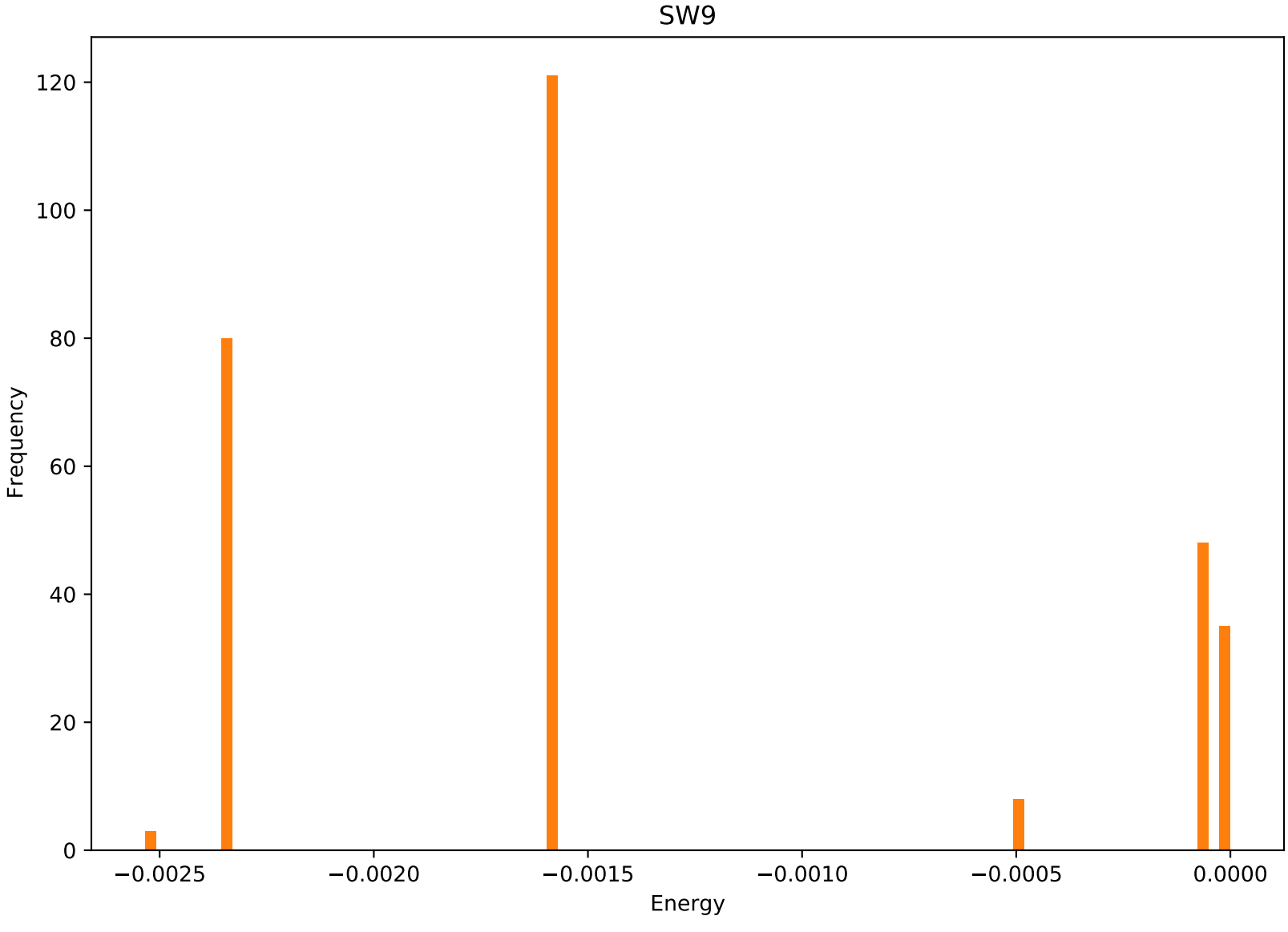

SW4
Frequency
200
150
100
50
0
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
Energy

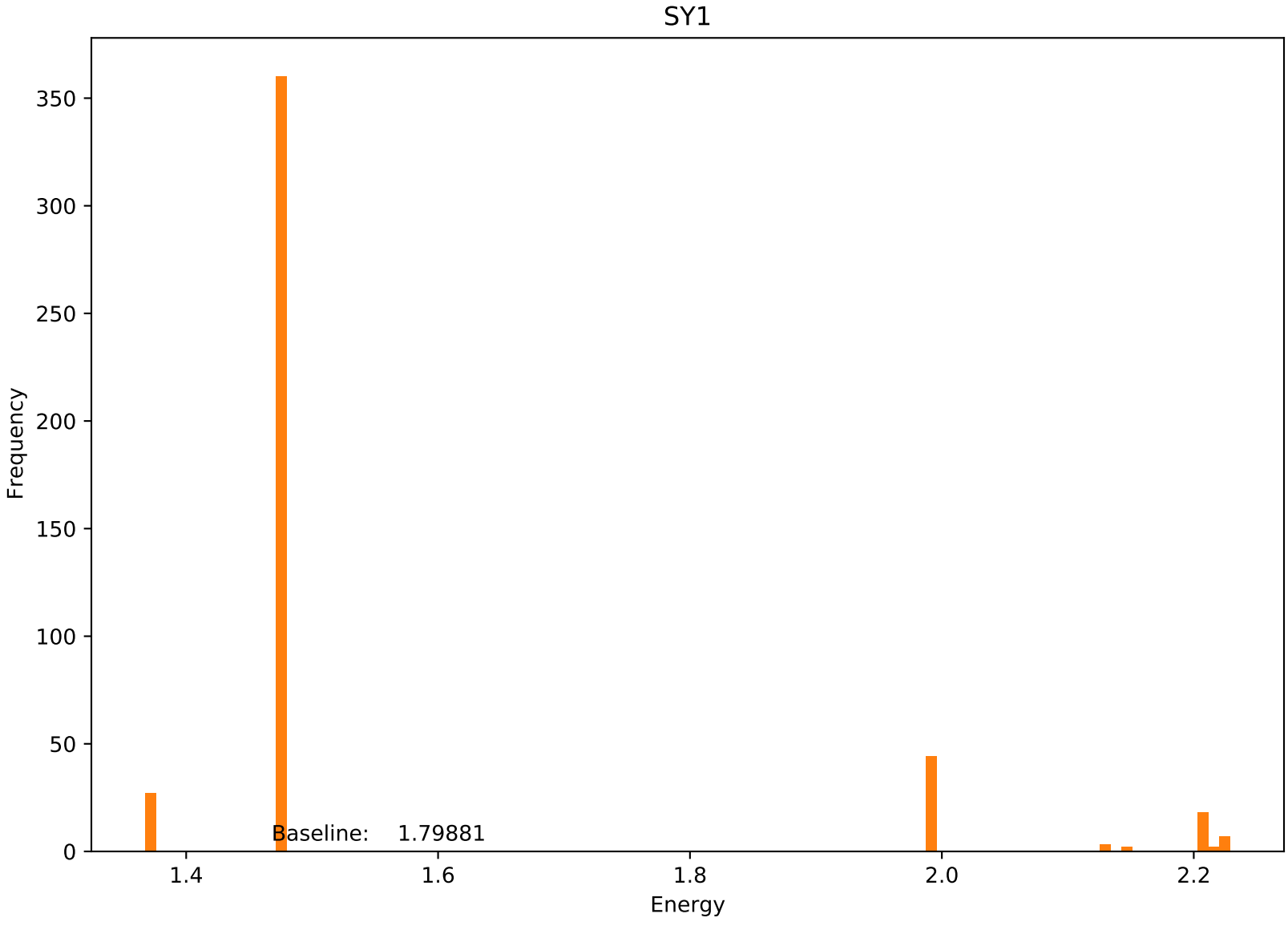

SW5
Frequency
Energy
0
20
40
60
80
100
120
140
160
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14

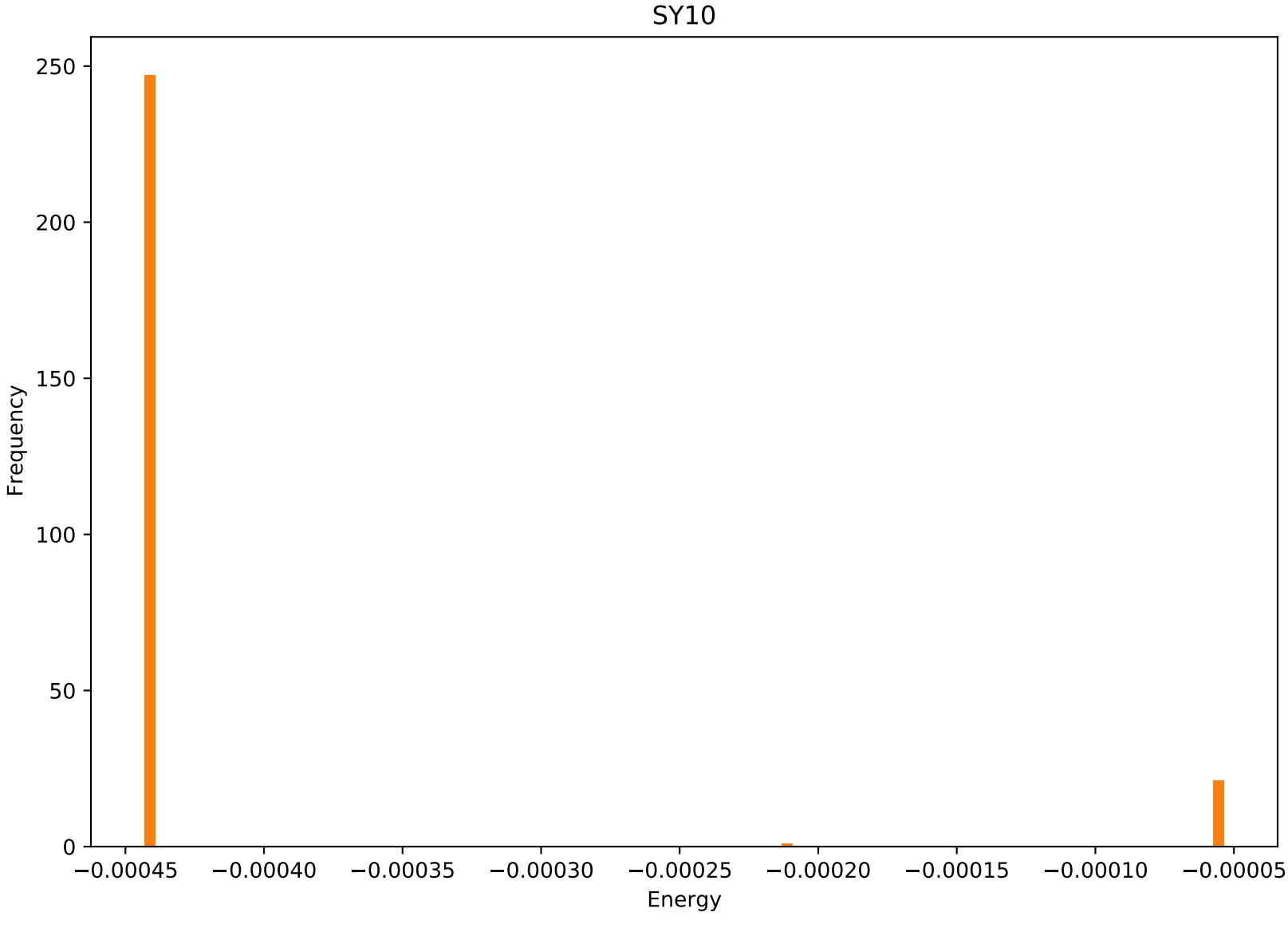

SW6
Frequency
Energy
0
20
40
60
80
100
120
140
160
−0.11
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

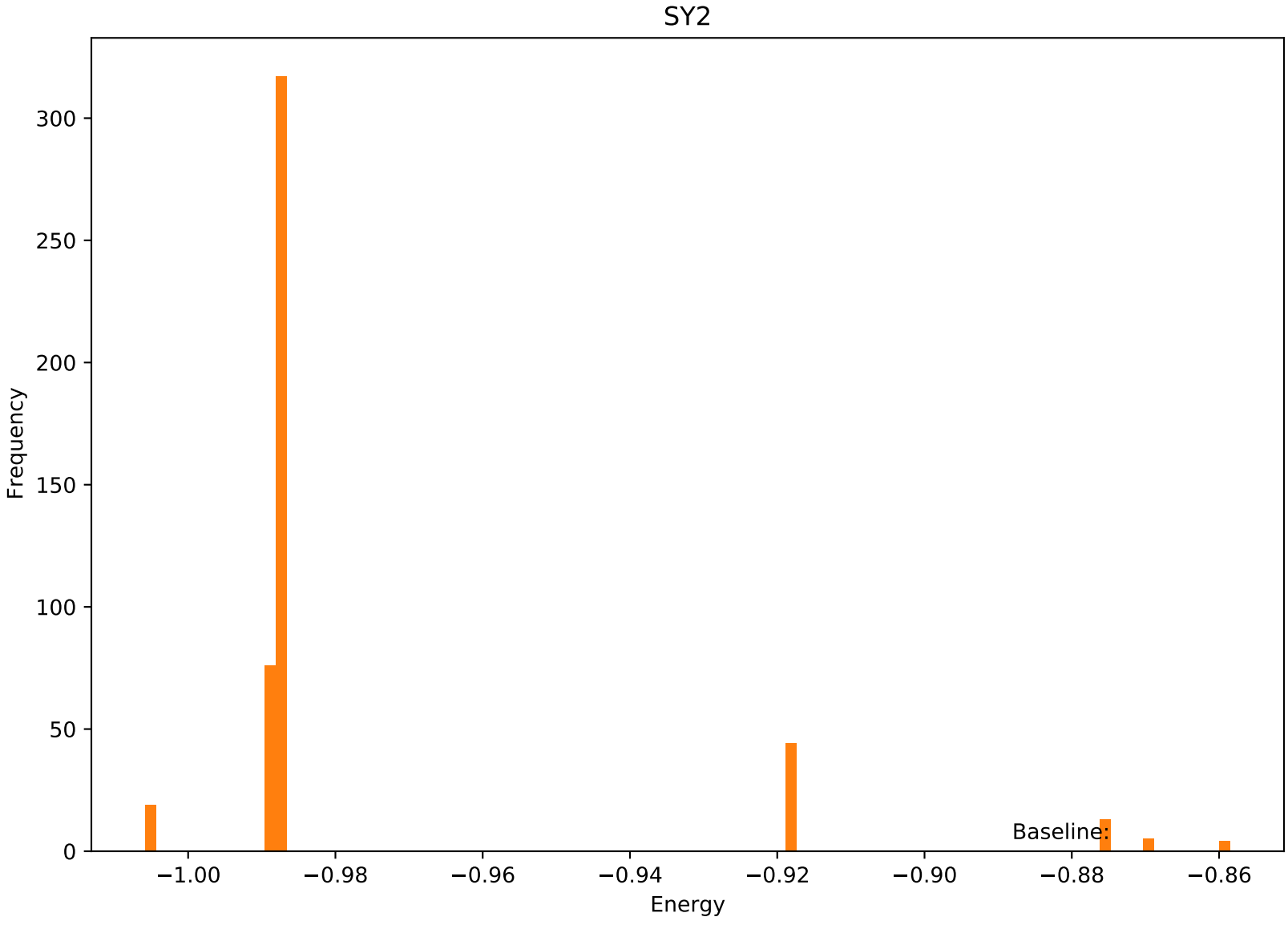

SW7
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
160
−0.225
−0.200
−0.175
−0.150
−0.125
−0.100
−0.075
−0.050
−0.025

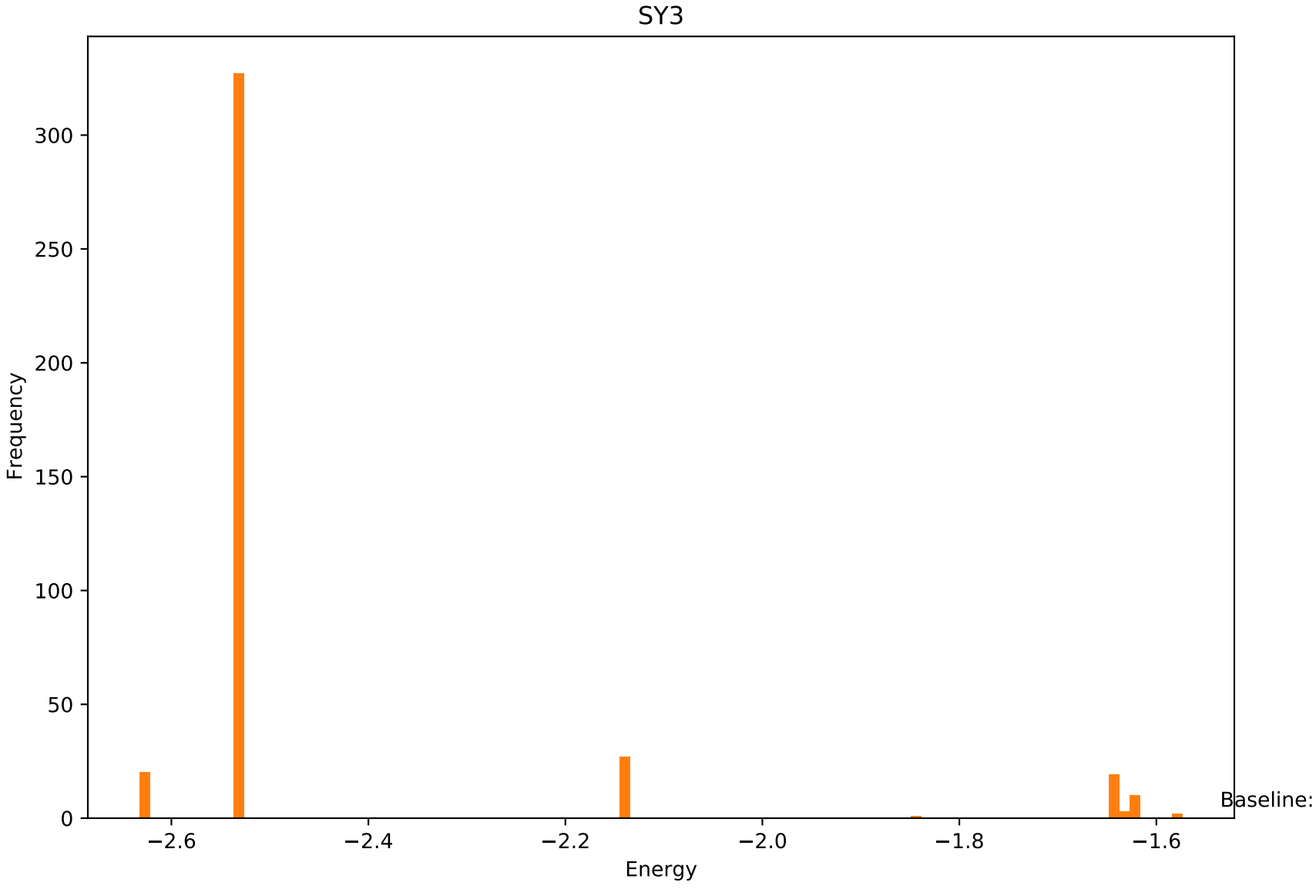

SW8
Frequency
Energy
0
20
40
60
80
100
120
140
−0.045
−0.040
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005

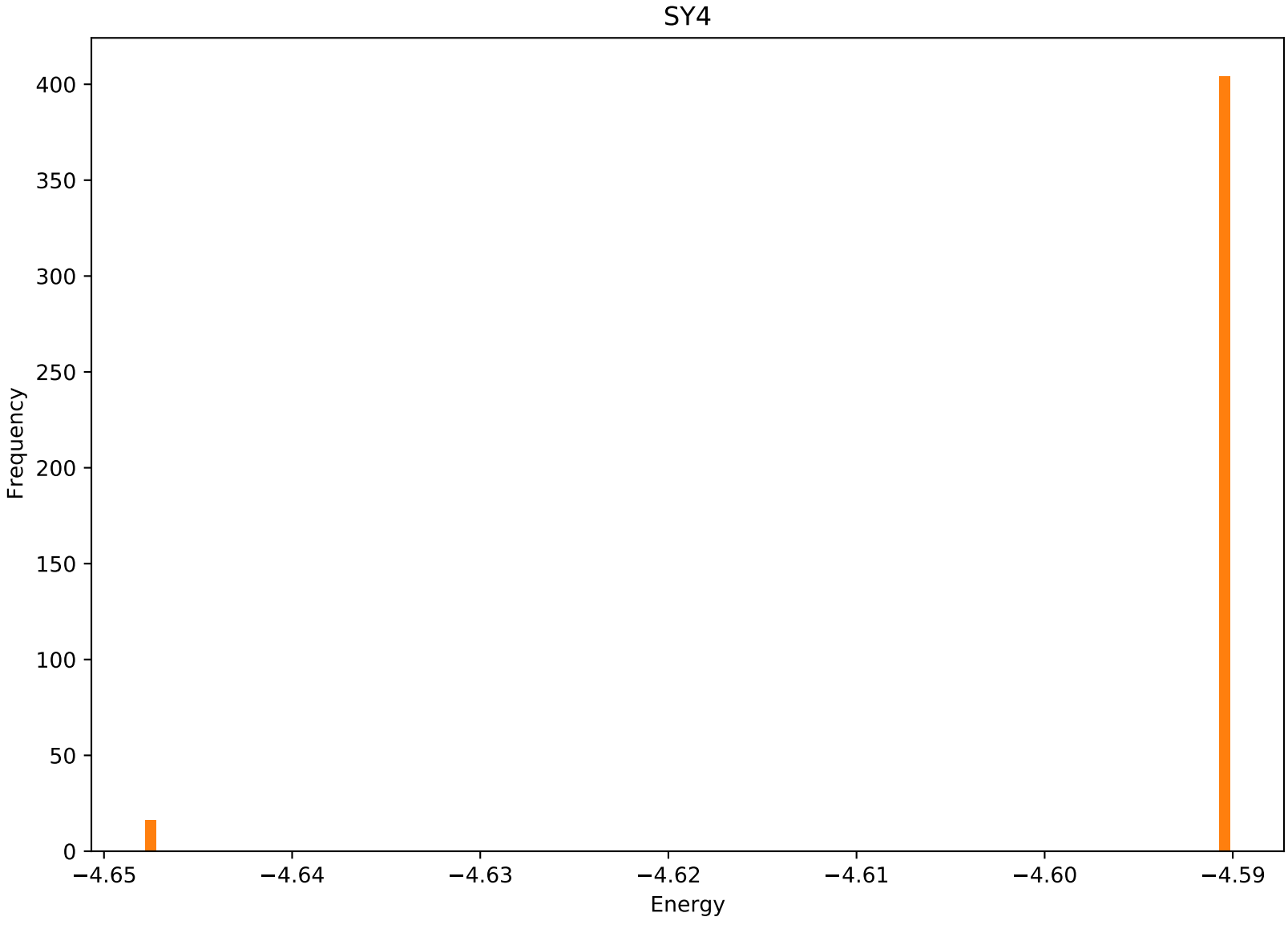

SW9
Frequency
Energy
0
20
40
60
80
100
120
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

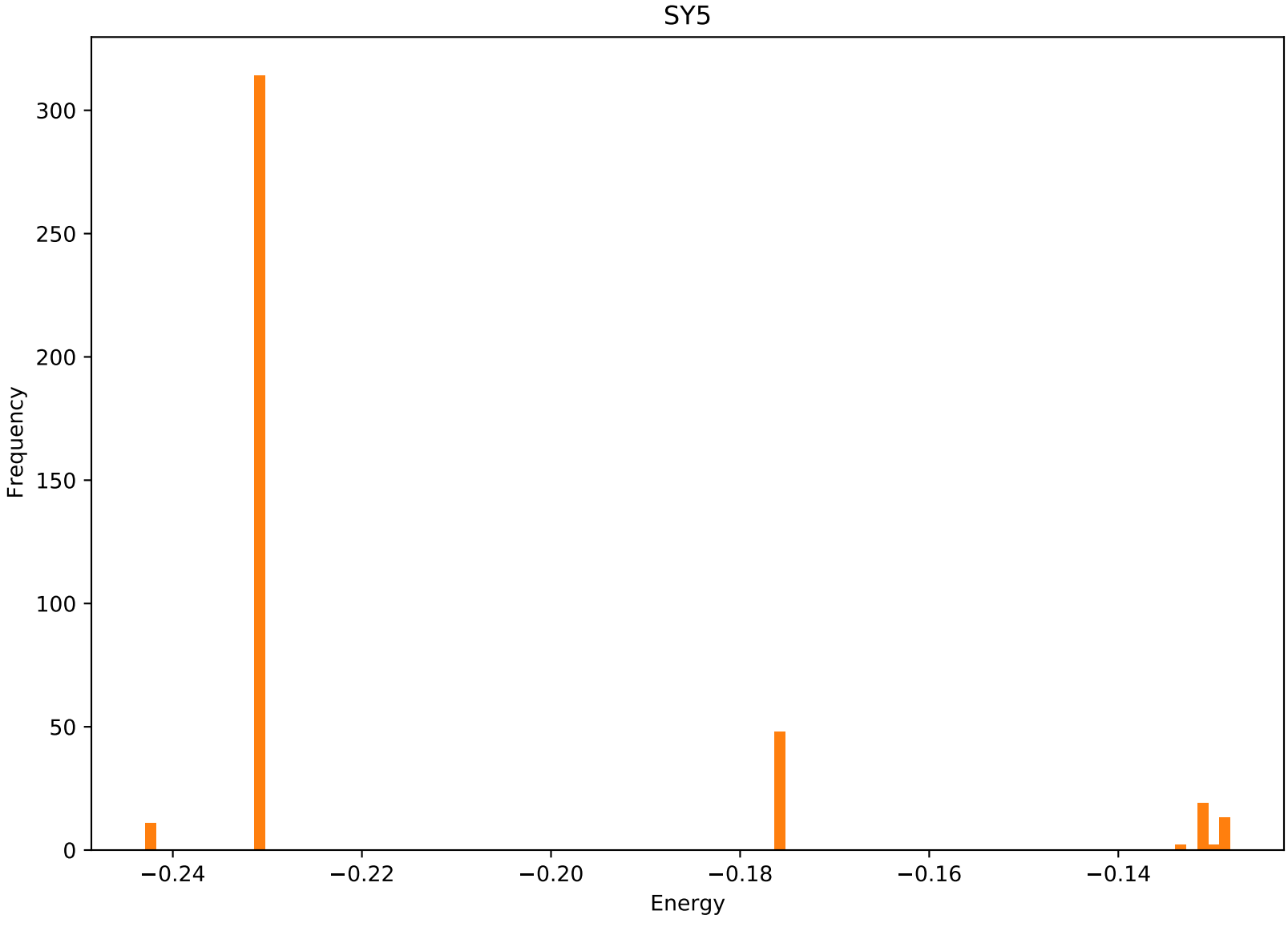

SY1
Frequency
Energy
Baseline: 1.79881
0
50
100
150
200
250
300
350
1.4
1.6
1.8
2.0
2.2

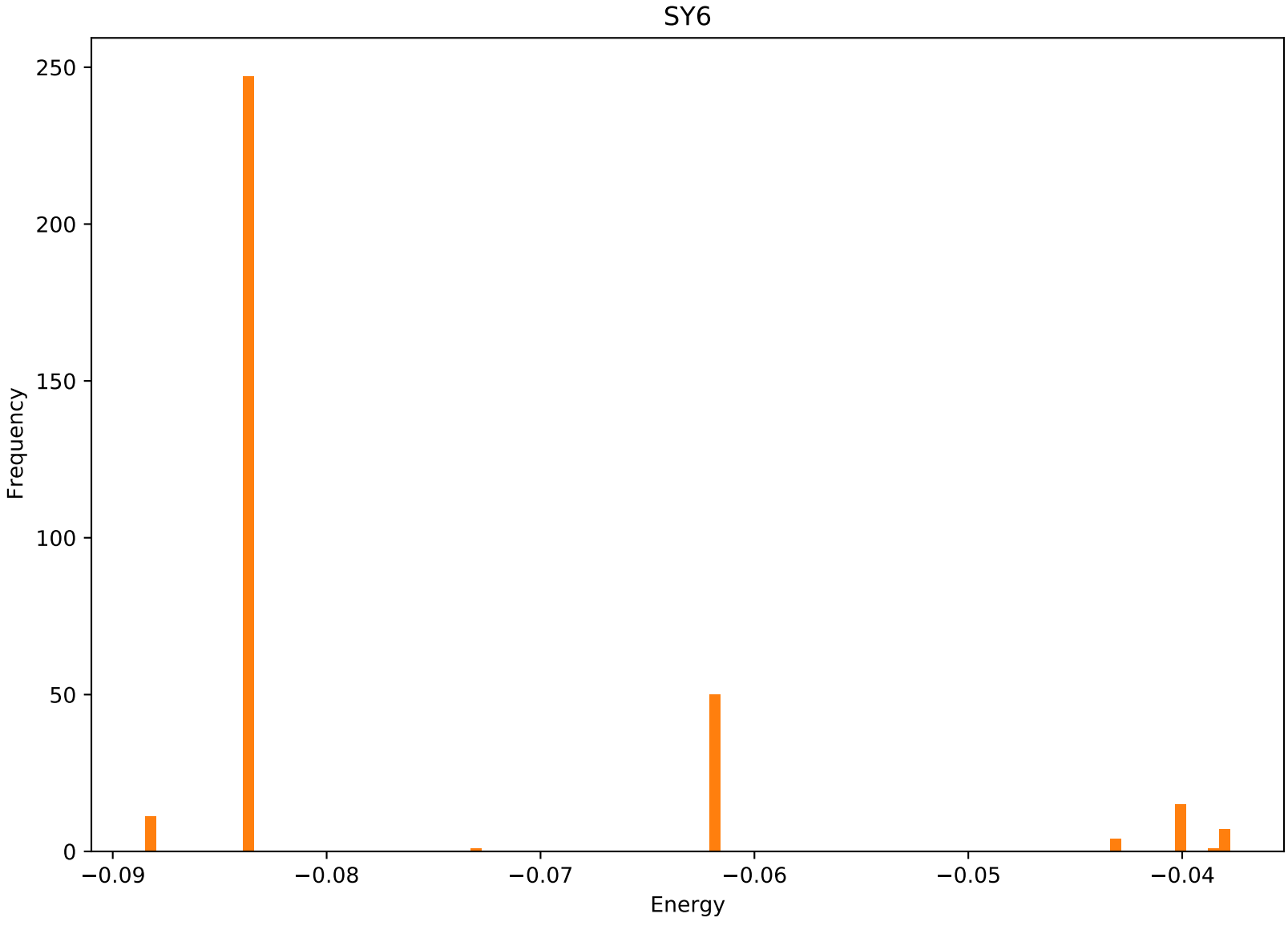

SY10
Frequency
250
200
150
100
50
0
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy

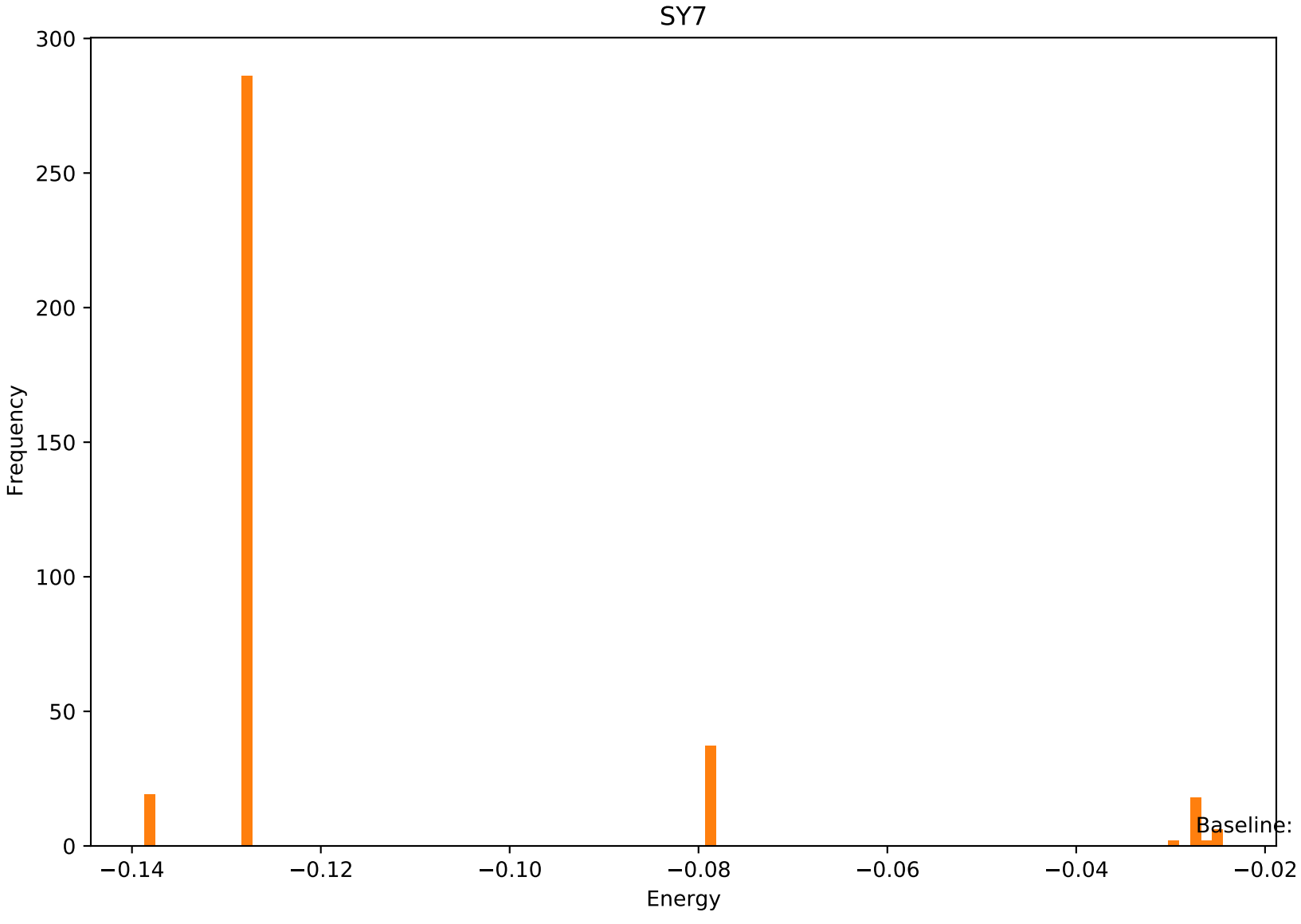

SY2
Frequency
300
250
200
150
100
50
0
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88
−0.86
Energy
Baseline:

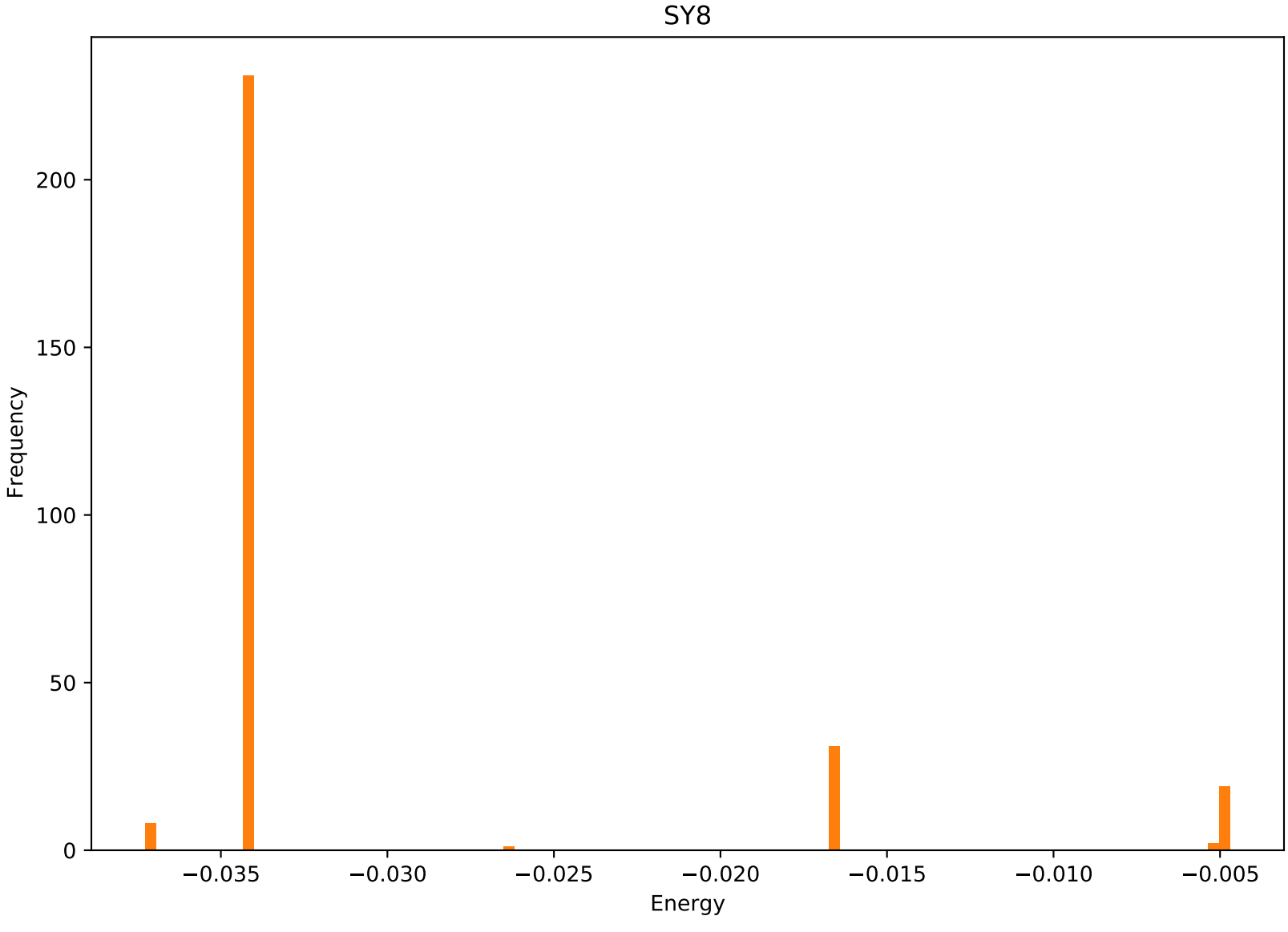

SY3
Frequency
300
250
200
150
100
50
0
−2.6
−2.4
−2.2
−2.0
−1.8
−1.6
Energy
Baseline:

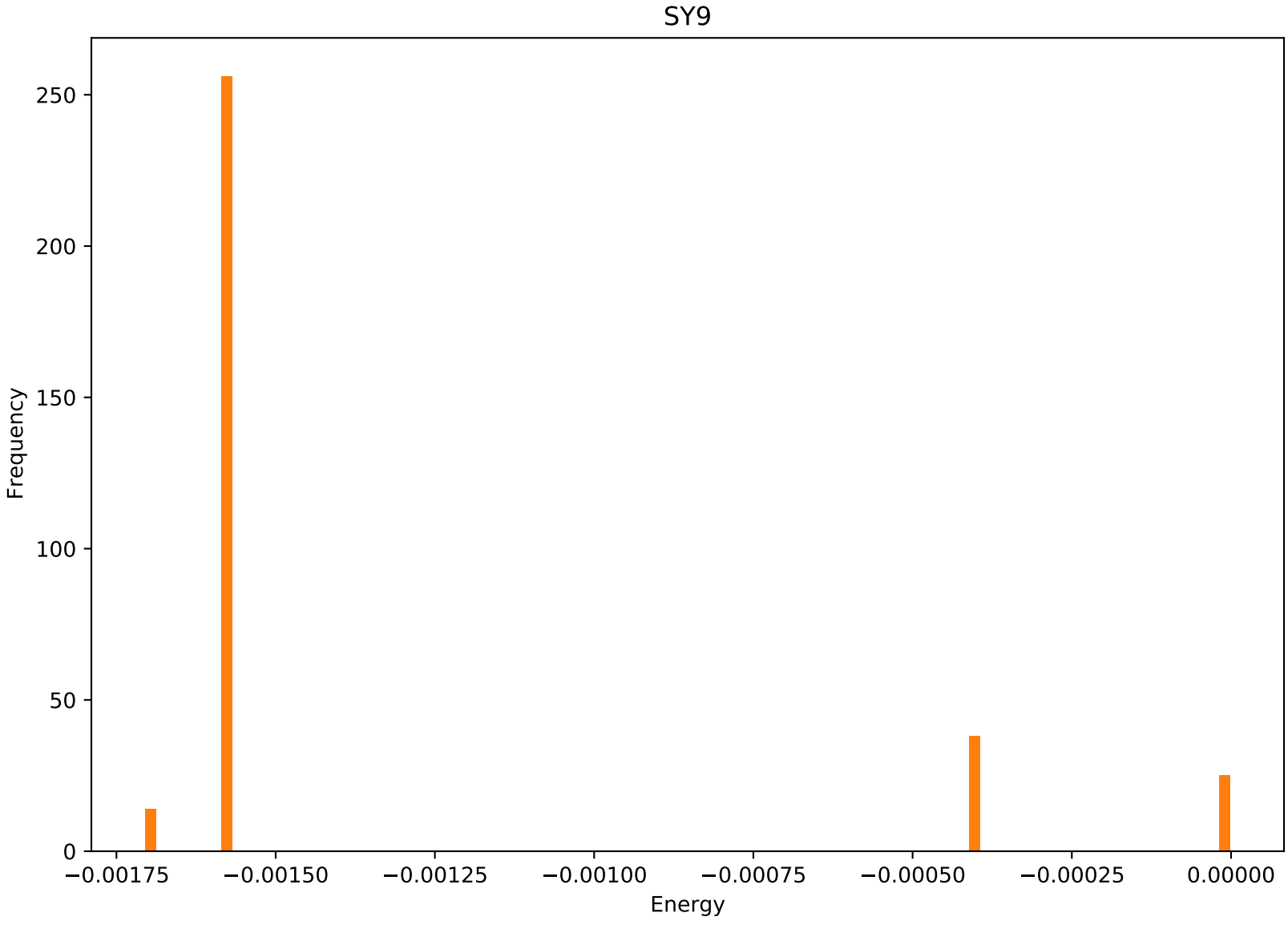

SY4
Frequency
Energy
0
50
100
150
200
250
300
350
400
−4.65
−4.64
−4.63
−4.62
−4.61
−4.60
−4.59

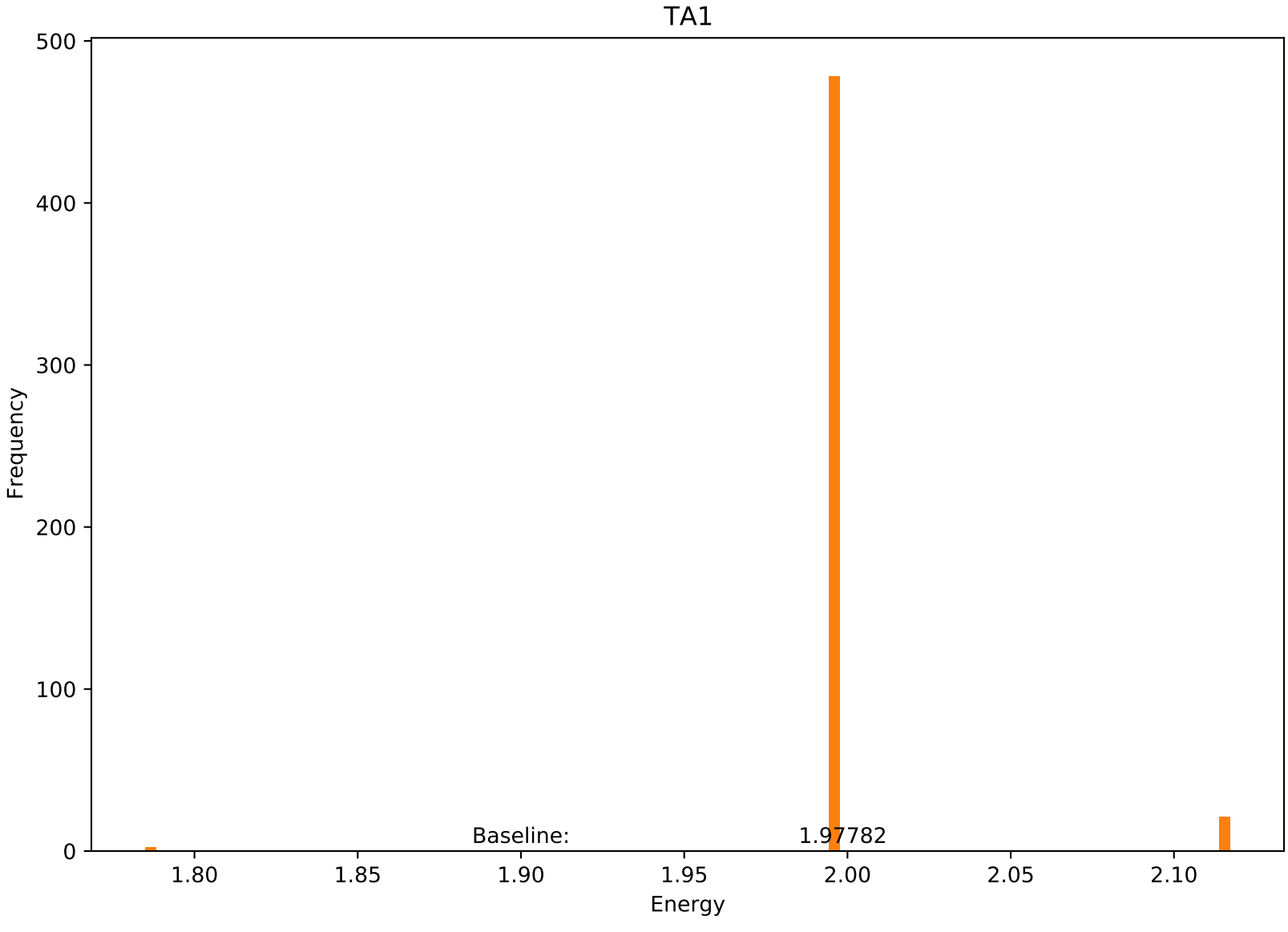

SY5
Frequency
300
250
200
150
100
50
0
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

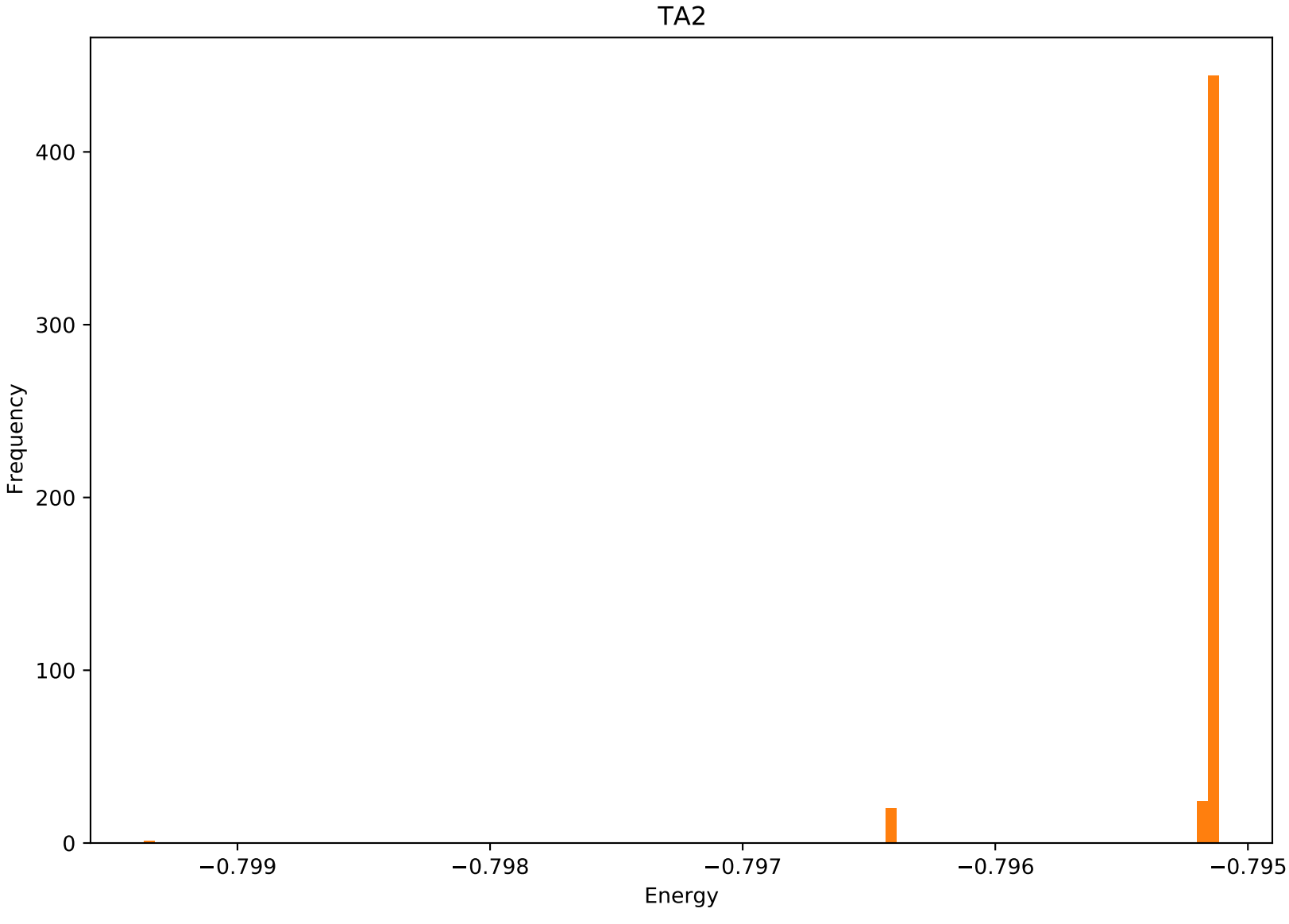

SY6
250
200
150
100
50
0
Frequency
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

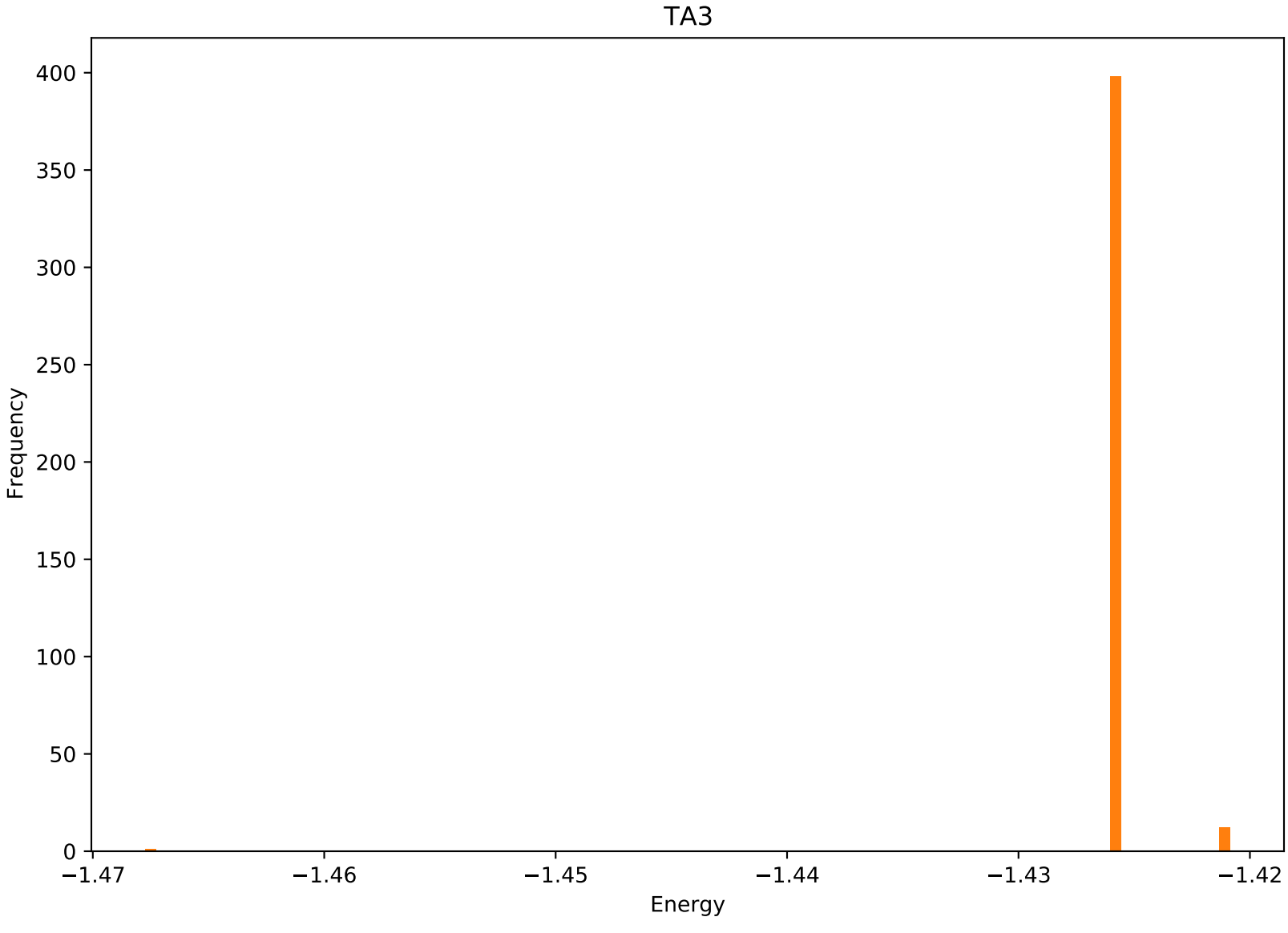

SY7
300
250
200
150
100
50
0
Frequency
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
−0.02
Energy
Baseline:

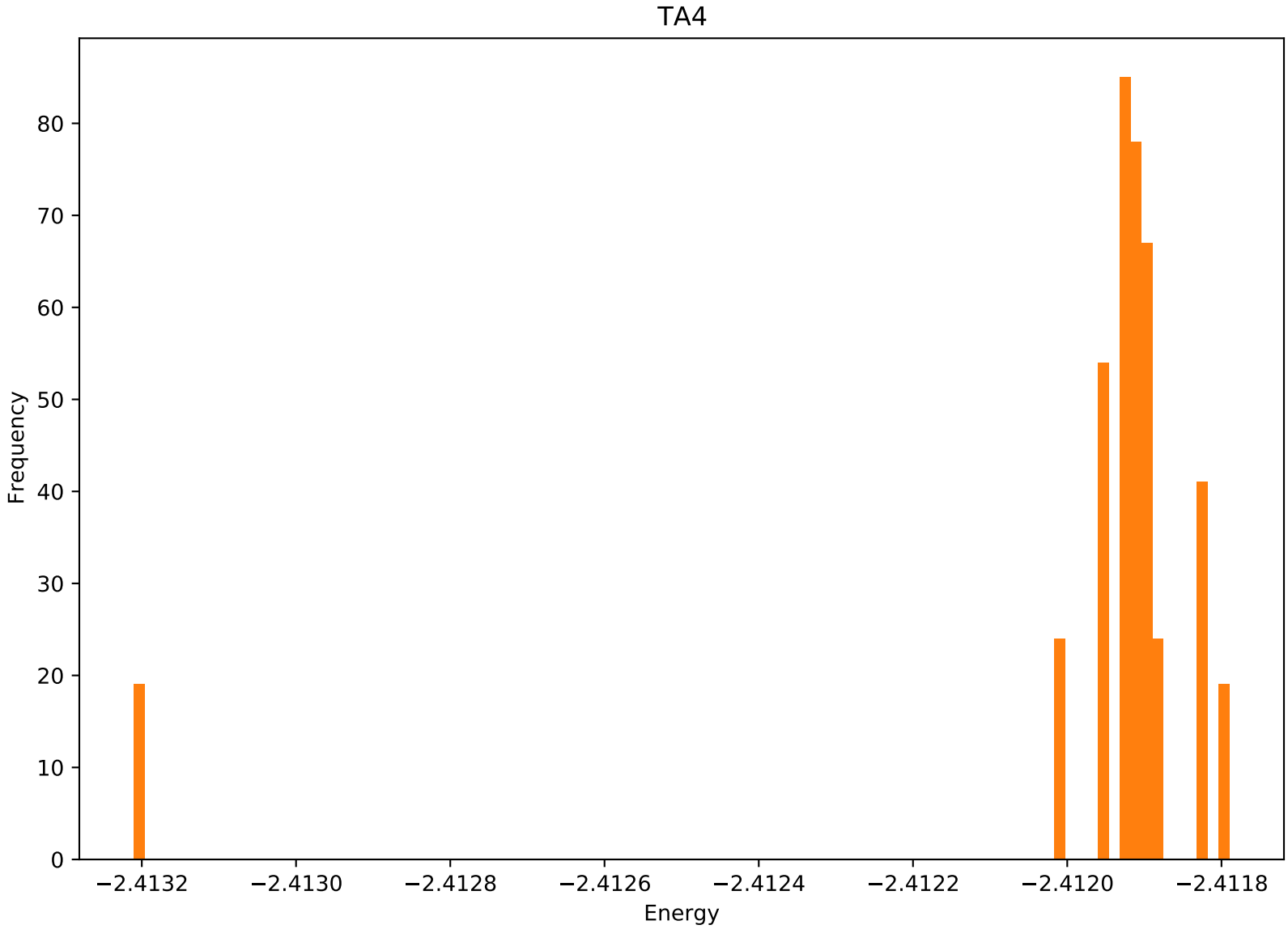

SY8
Frequency
200
150
100
50
0
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

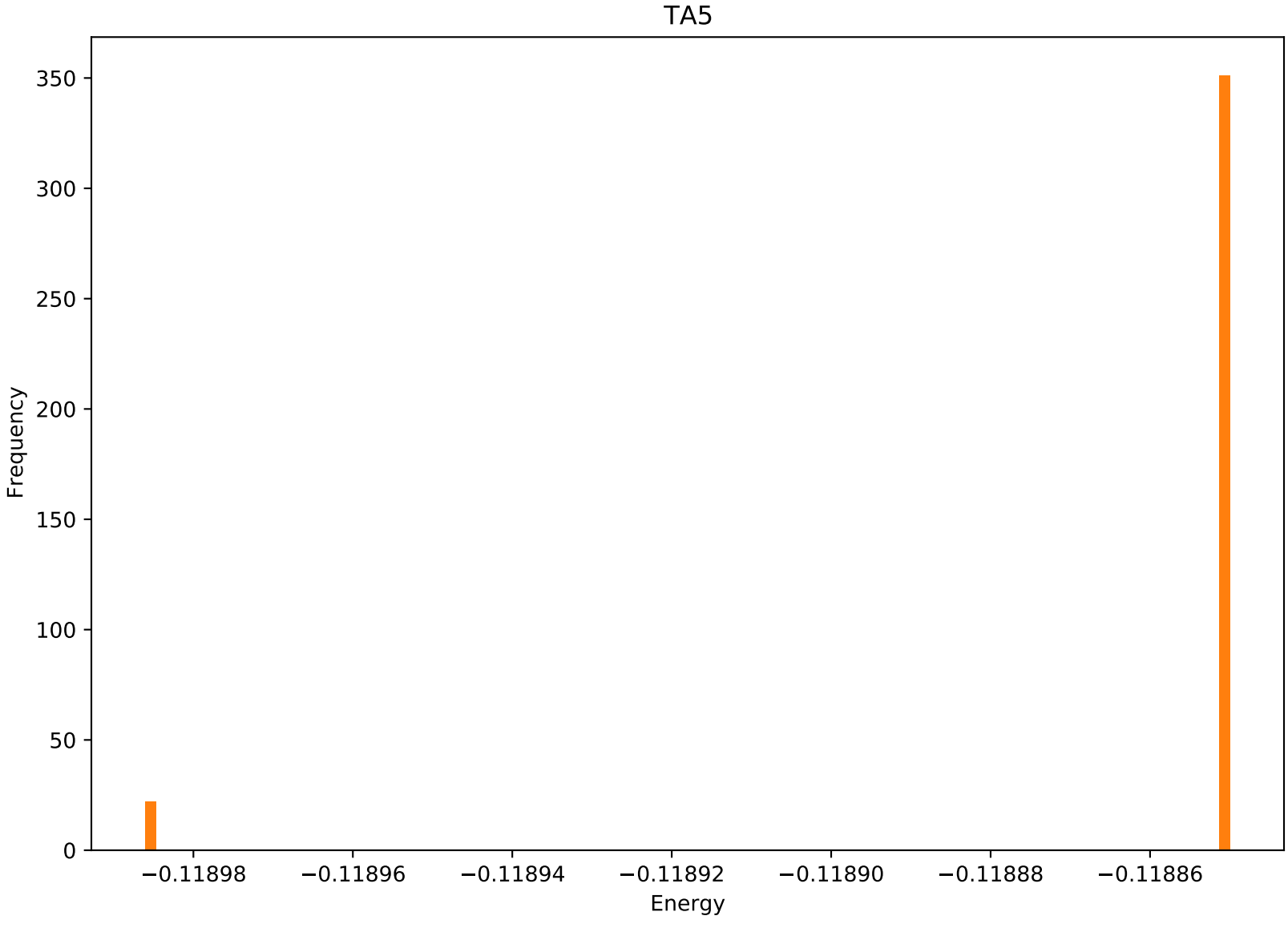

SY9
Frequency
250
200
150
100
50
0
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000
Energy

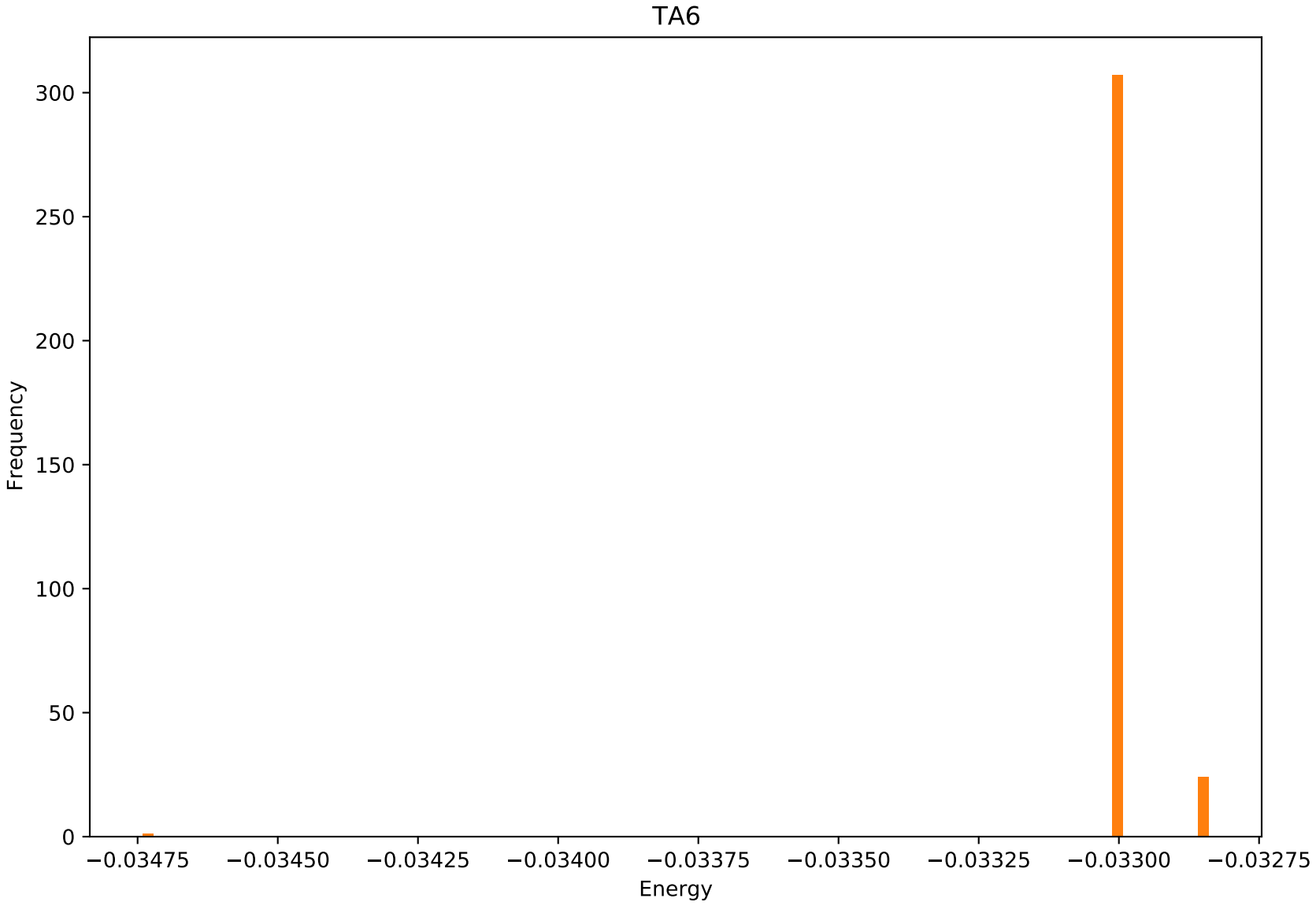

TA1
500
400
300
200
100
0
Frequency
Baseline:
1.97782
1.80
1.85
1.90
1.95
2.00
2.05
2.10
Energy

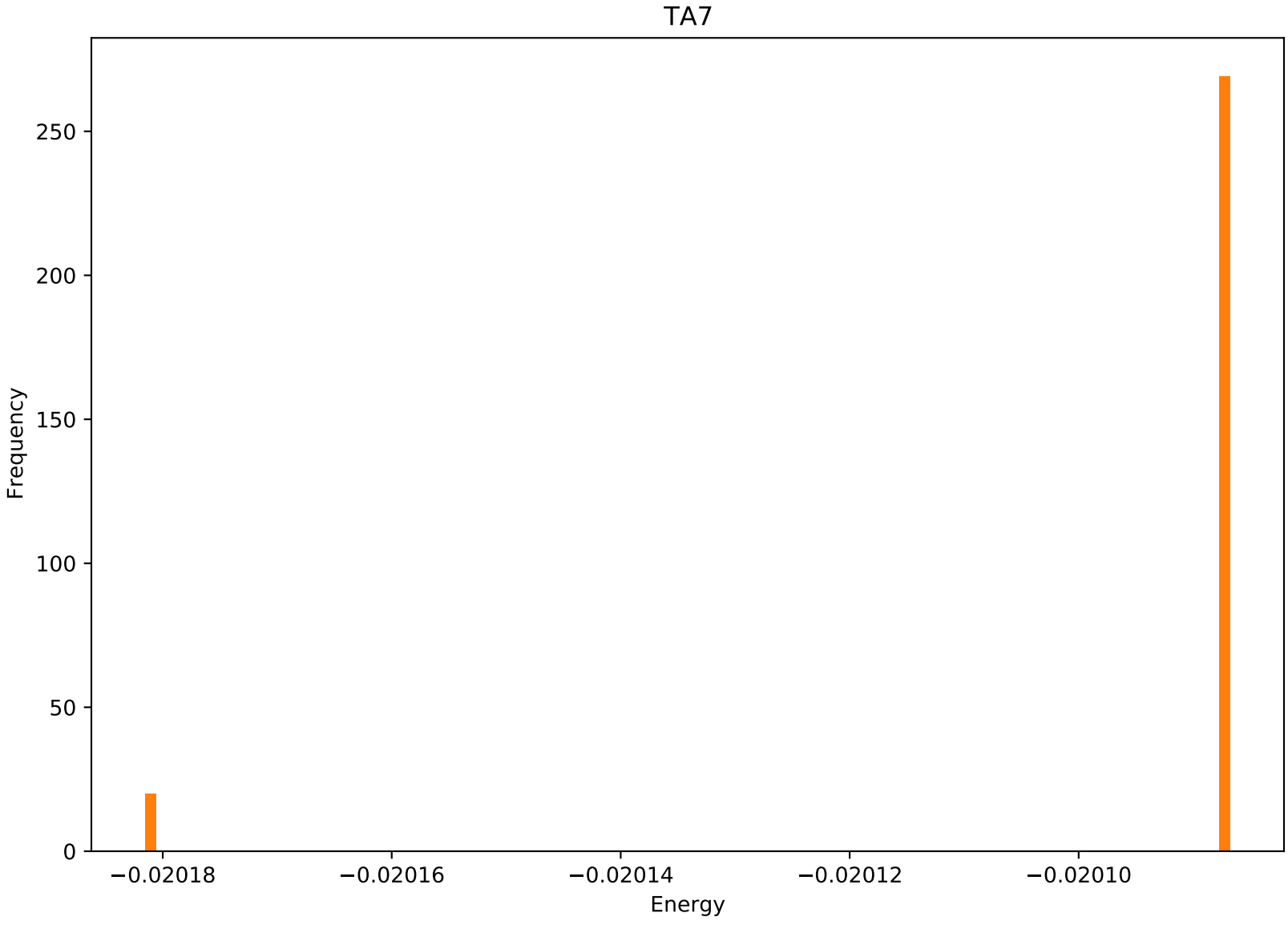

TA2
Frequency
0
100
200
300
400
−0.799
−0.798
−0.797
−0.796
−0.795
Energy

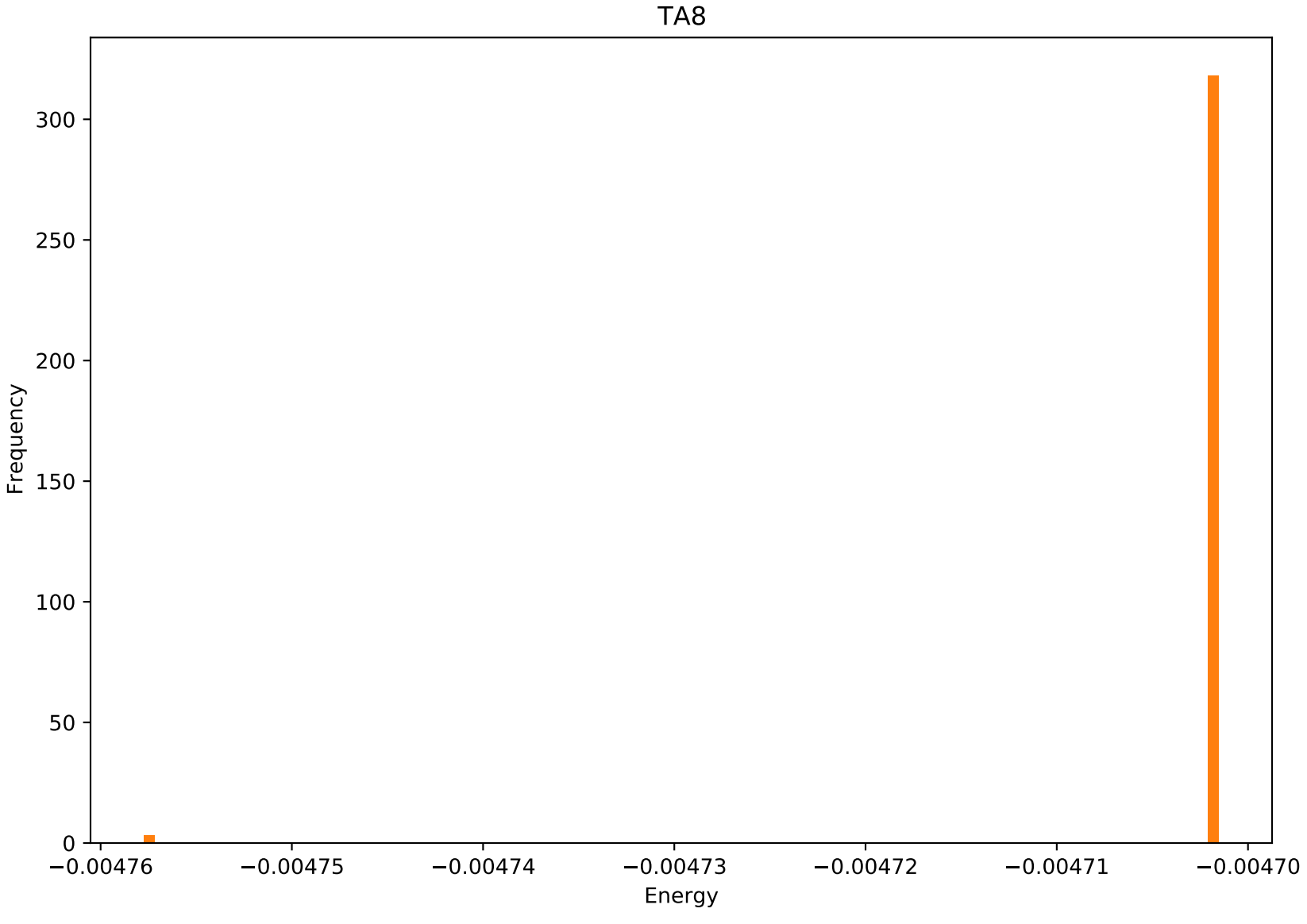

TA3
Frequency
Energy
0
50
100
150
200
250
300
350
400
−1.47
−1.46
−1.45
−1.44
−1.43
−1.42

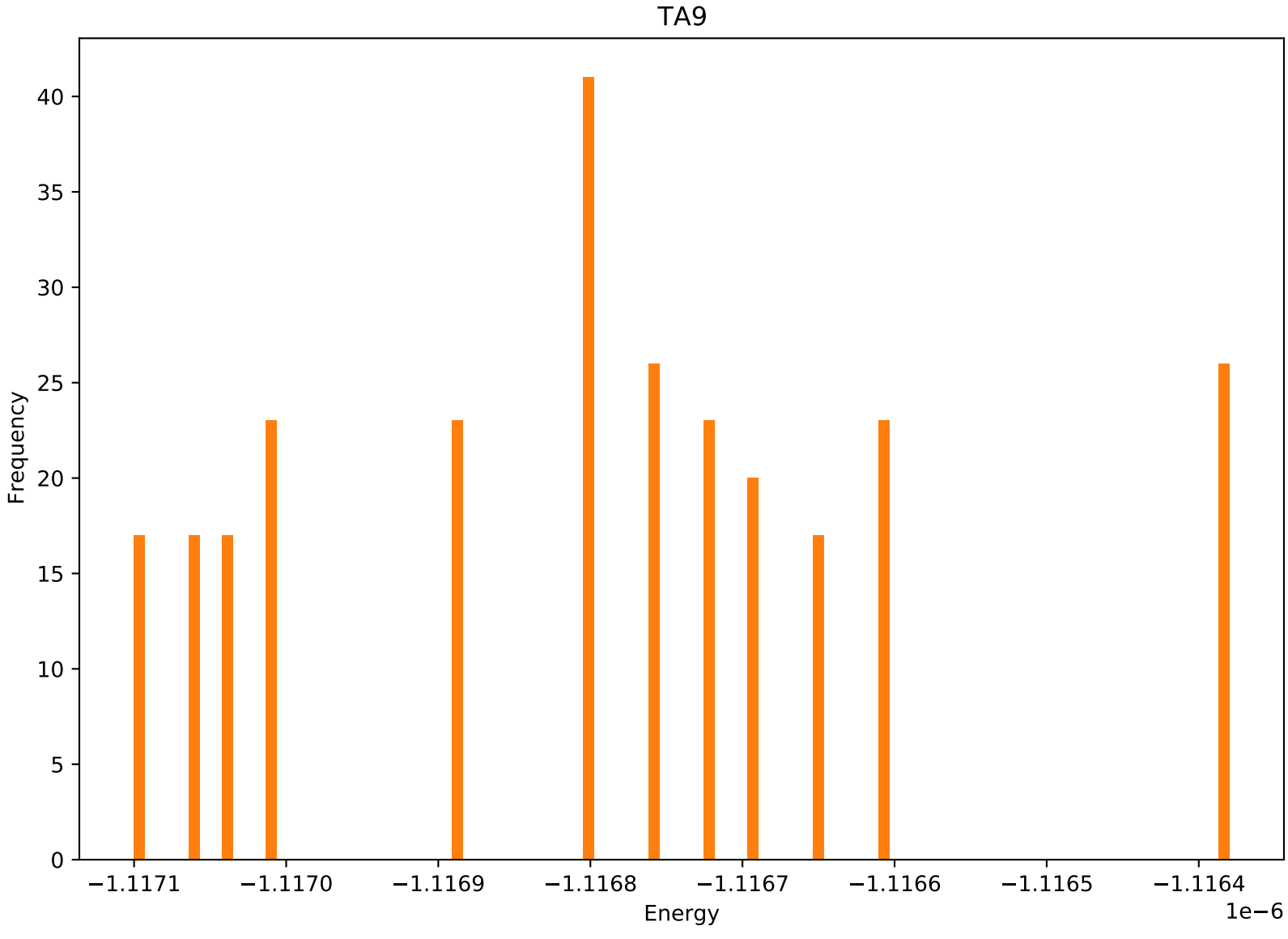

TA4
Frequency
0
10
20
30
40
50
60
70
80
−2.4132
−2.4130
−2.4128
−2.4126
−2.4124
−2.4122
−2.4120
−2.4118
Energy

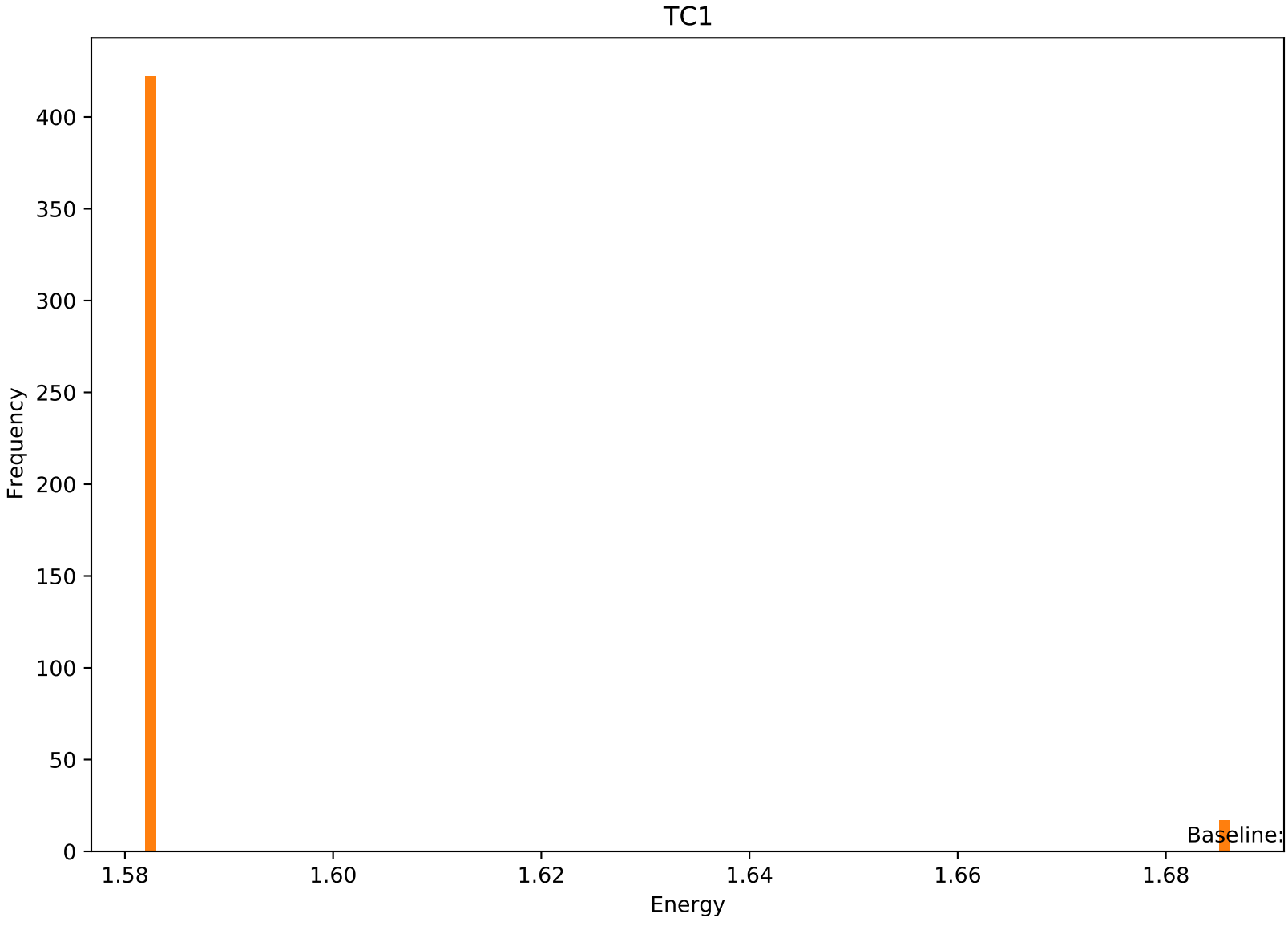

TA5
Frequency
350
300
250
200
150
100
50
0
−0.11898
−0.11896
−0.11894
−0.11892
−0.11890
−0.11888
−0.11886
Energy

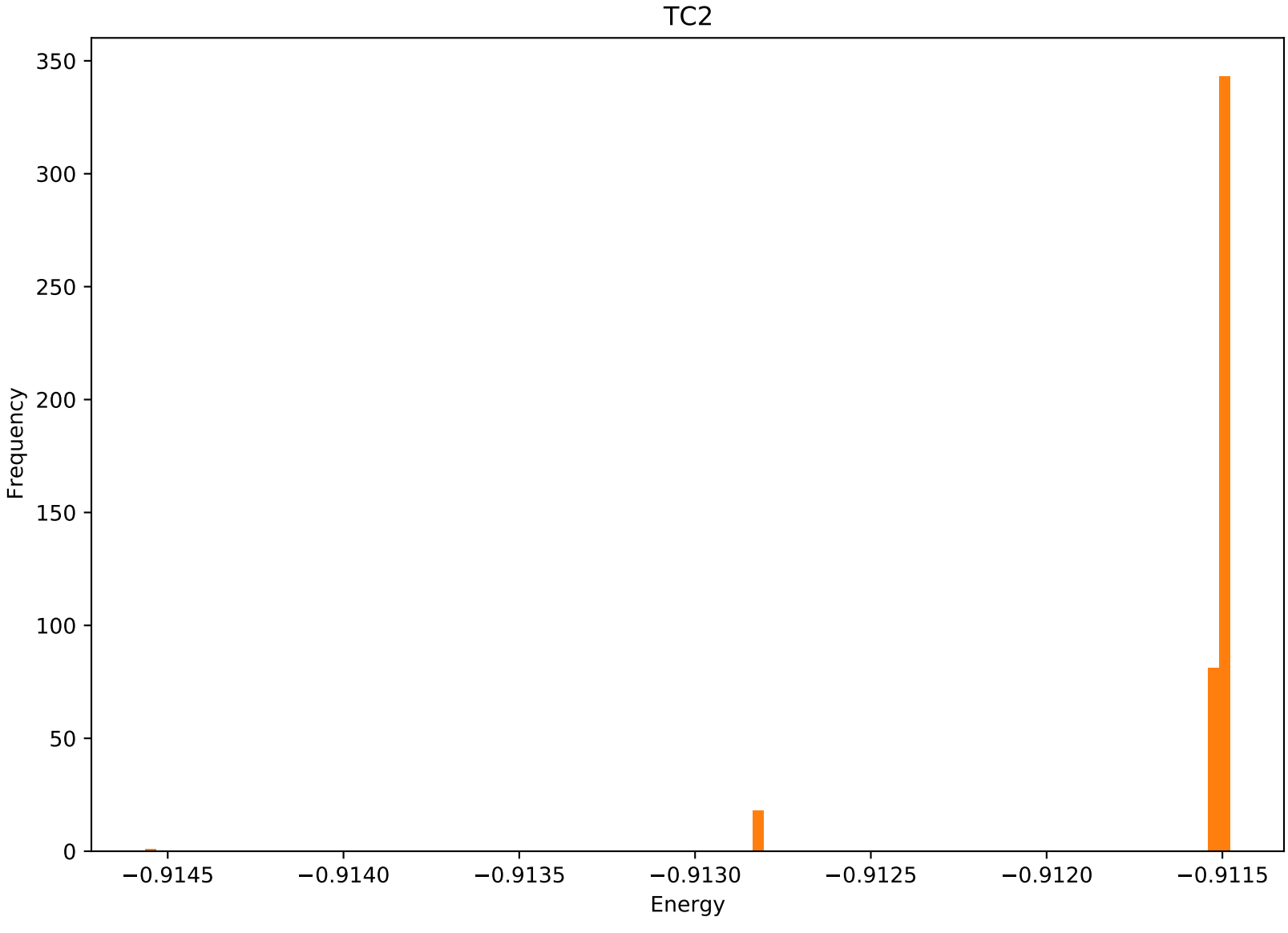

TA6
Frequency
Energy
0
50
100
150
200
250
300
−0.03475
−0.03450
−0.03425
−0.03400
−0.03375
−0.03350
−0.03325
−0.03300
−0.03275

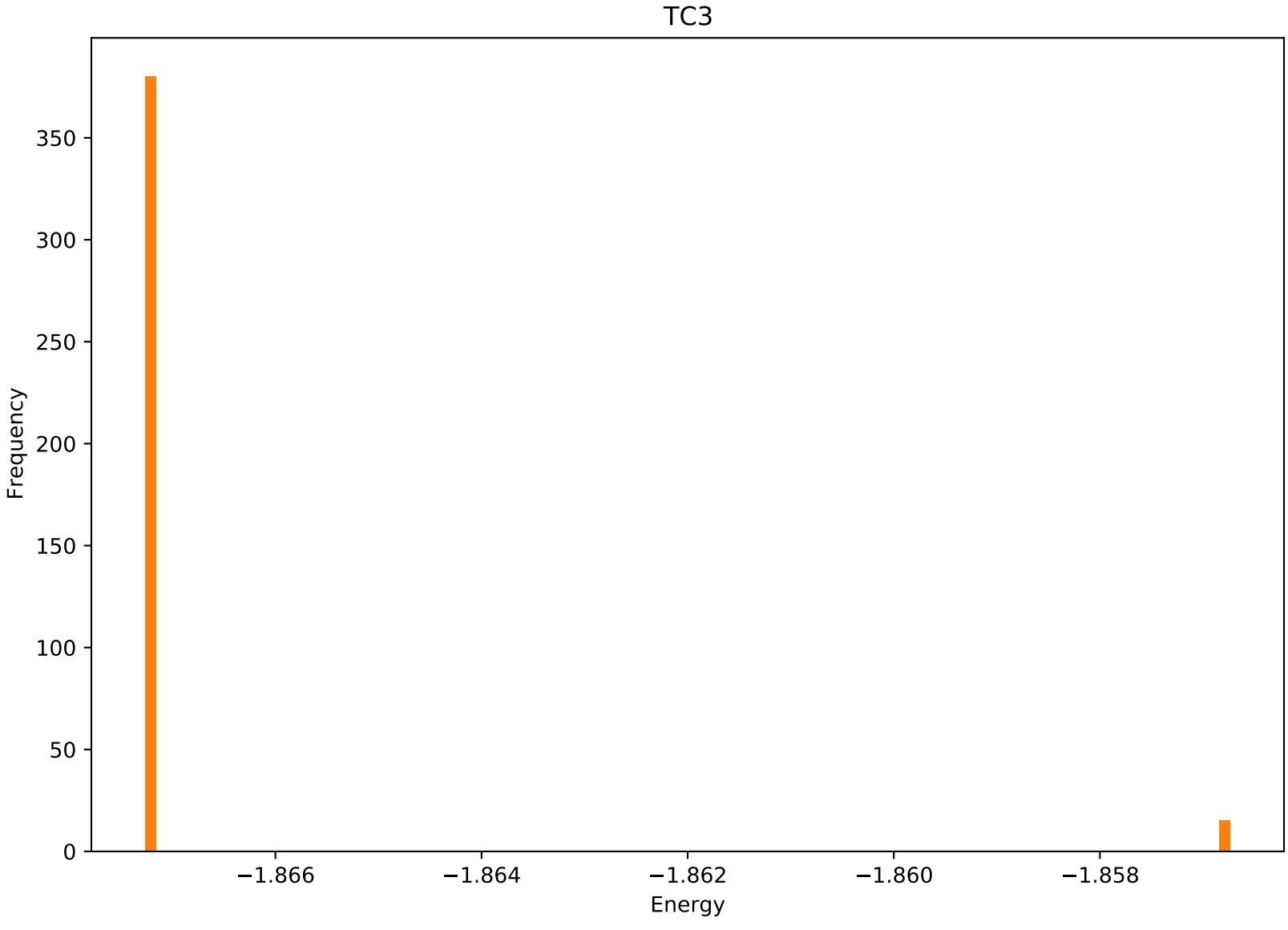

TA7
Frequency
250
200
150
100
50
0
−0.02018
−0.02016
−0.02014
−0.02012
−0.02010
Energy

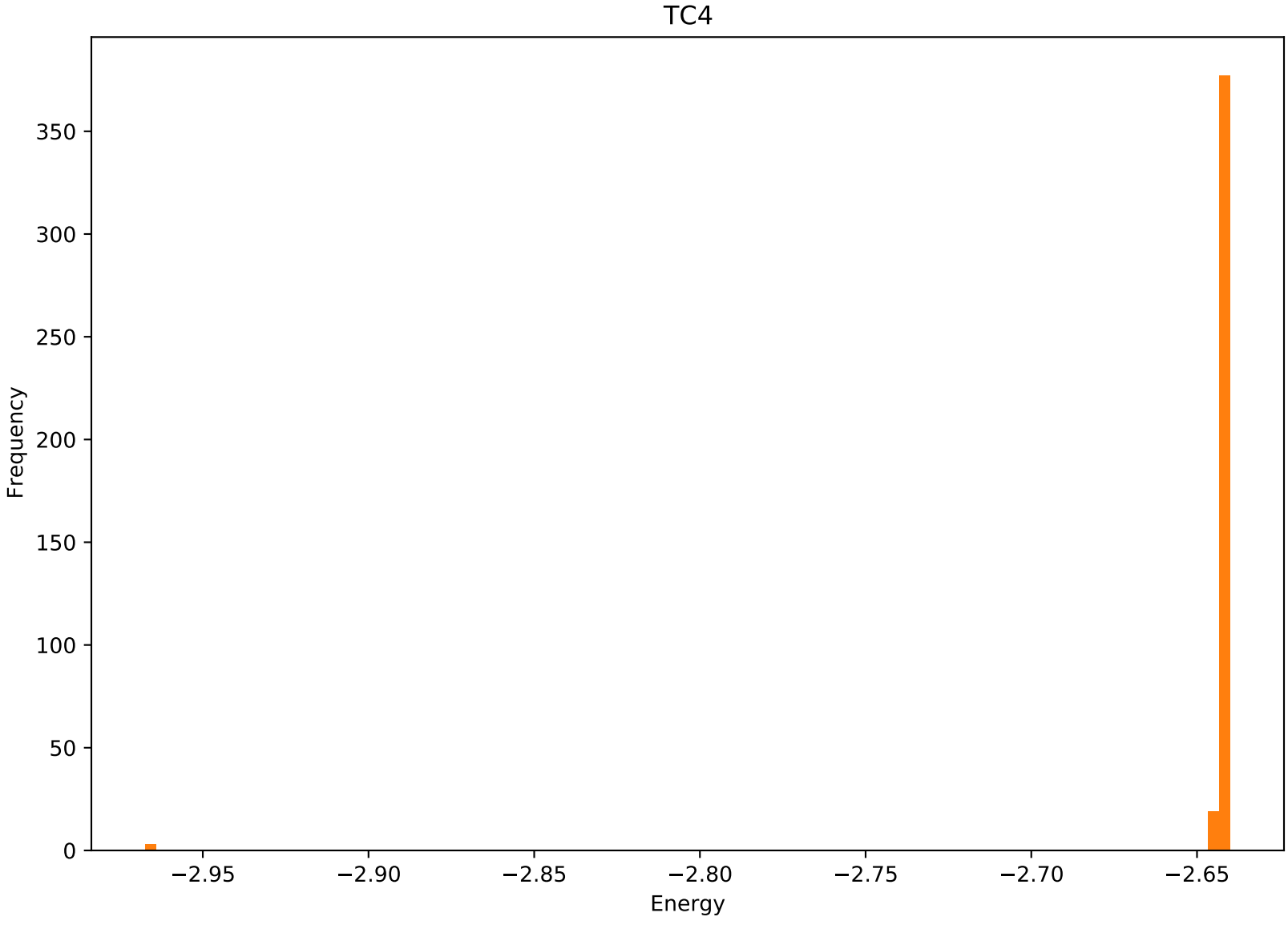

TA8
Frequency
300
250
200
150
100
50
0
−0.00476
−0.00475
−0.00474
−0.00473
−0.00472
−0.00471
−0.00470
Energy

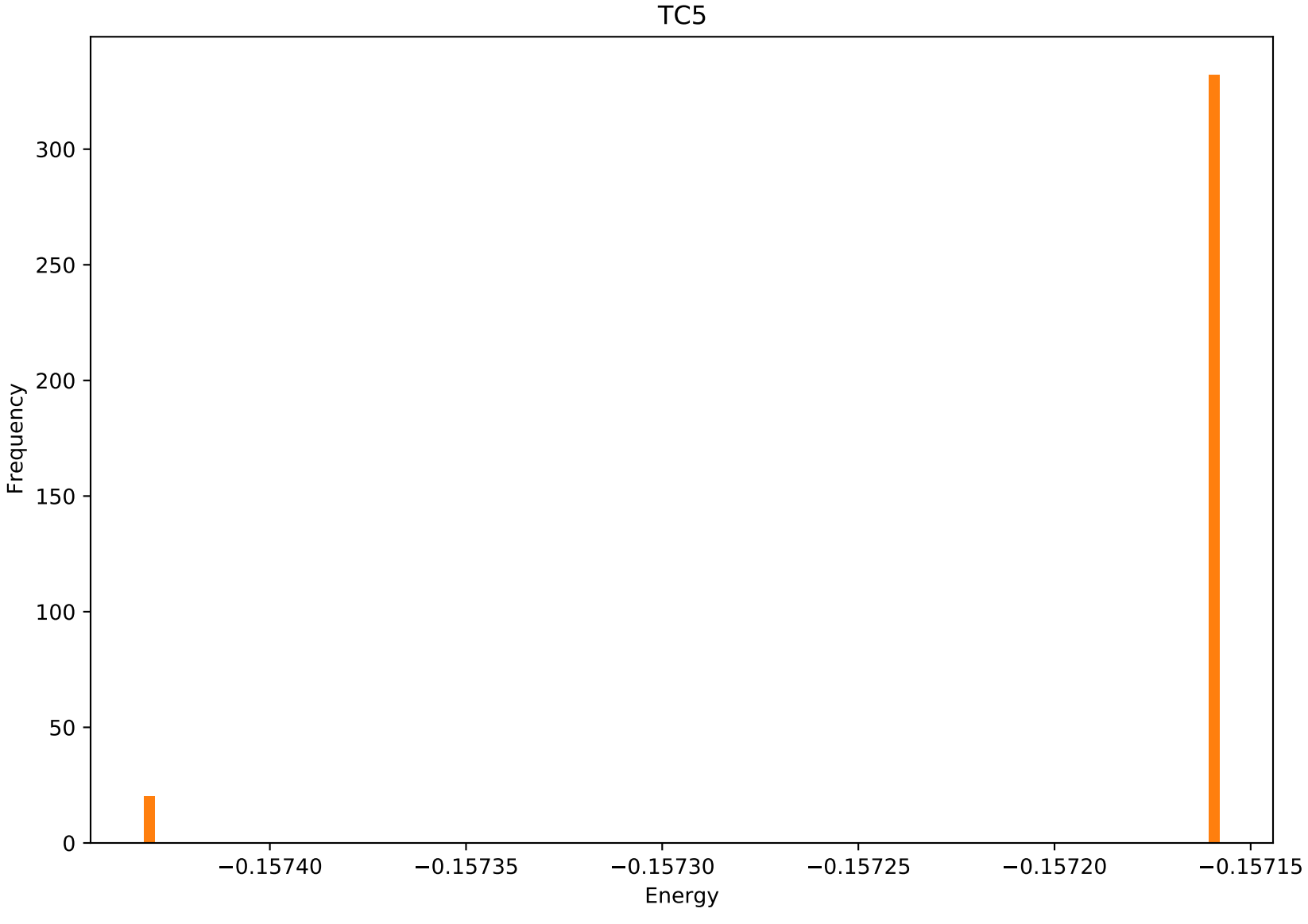

TA9
Frequency
0
5
10
15
20
25
30
35
40
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

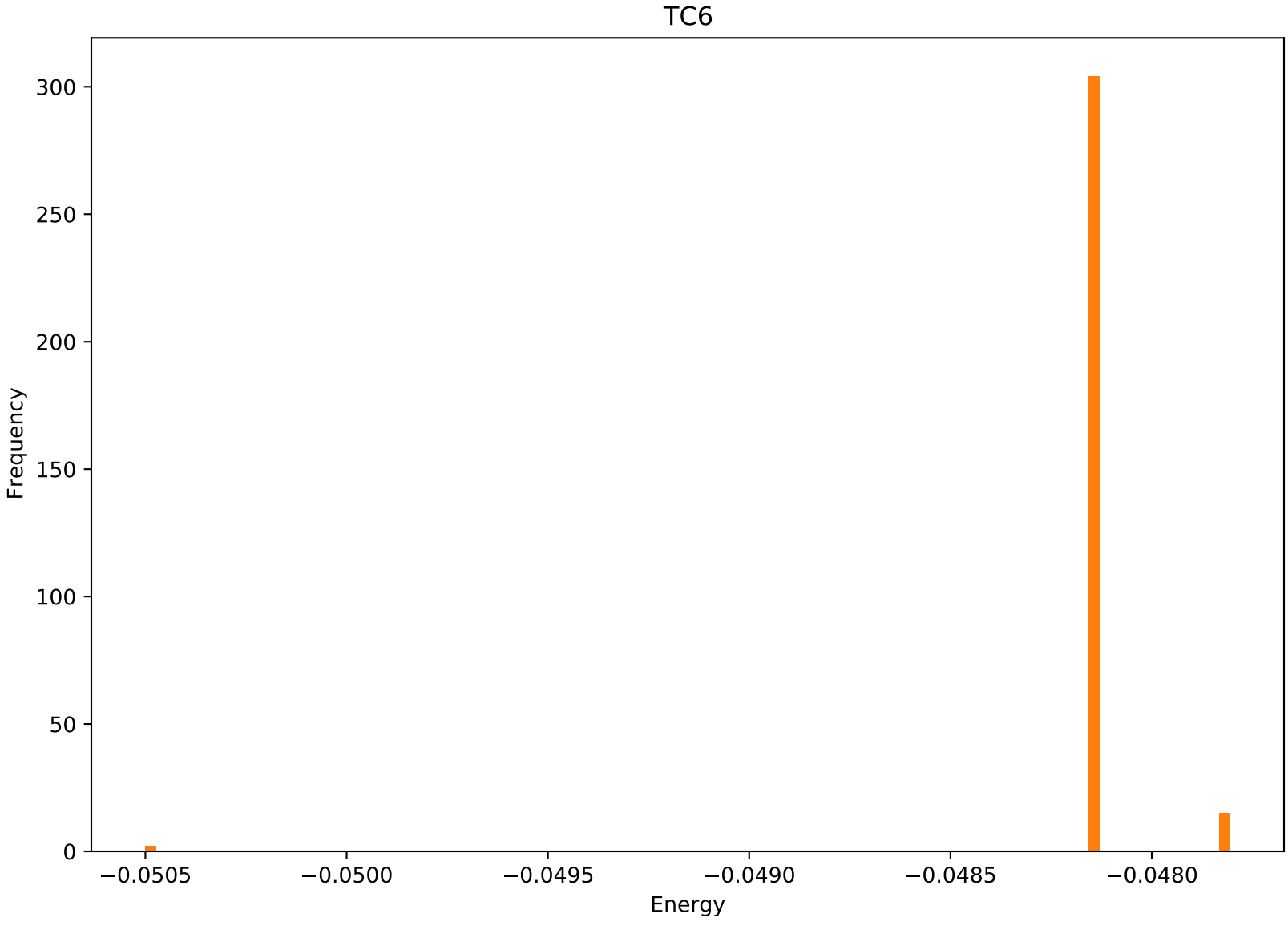

TC1
Frequency
Energy
0
50
100
150
200
250
300
350
400
1.58
1.60
1.62
1.64
1.66
1.68
Baseline:

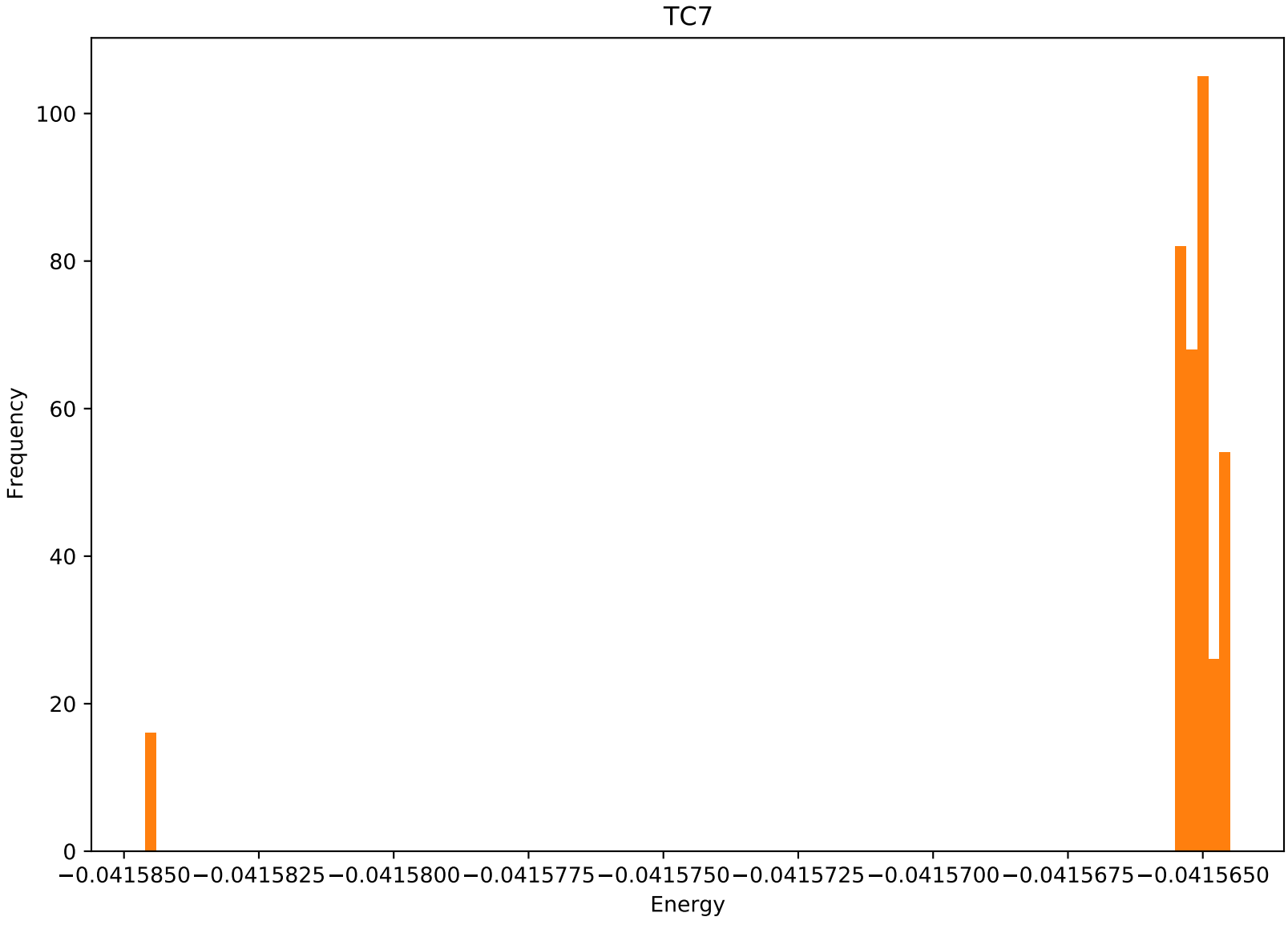

TC2
Frequency
Energy
0
50
100
150
200
250
300
350
−0.9145
−0.9140
−0.9135
−0.9130
−0.9125
−0.9120
−0.9115

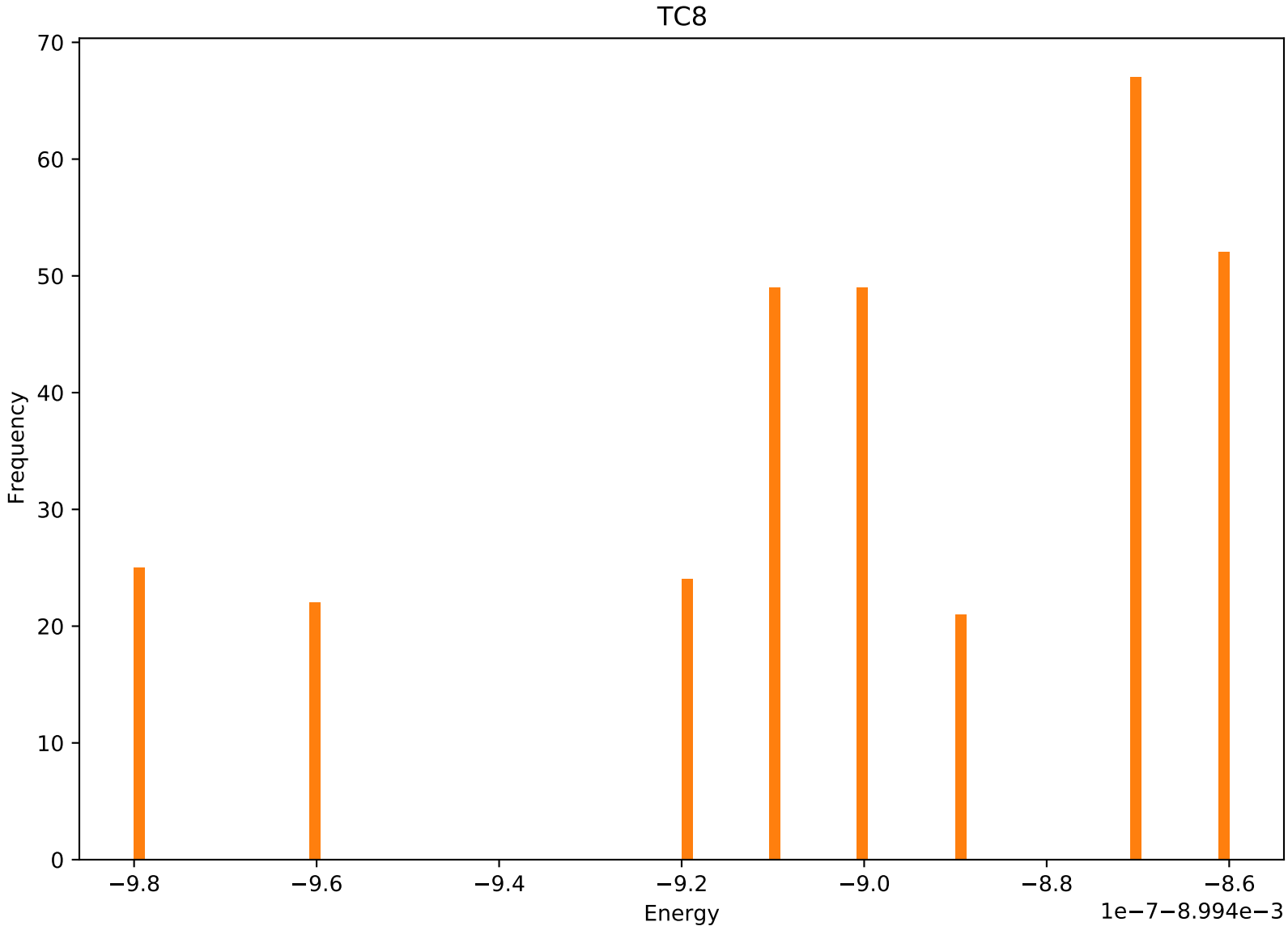

TC3
Frequency
350
300
250
200
150
100
50
0
−1.866
−1.864
−1.862
−1.860
−1.858
Energy

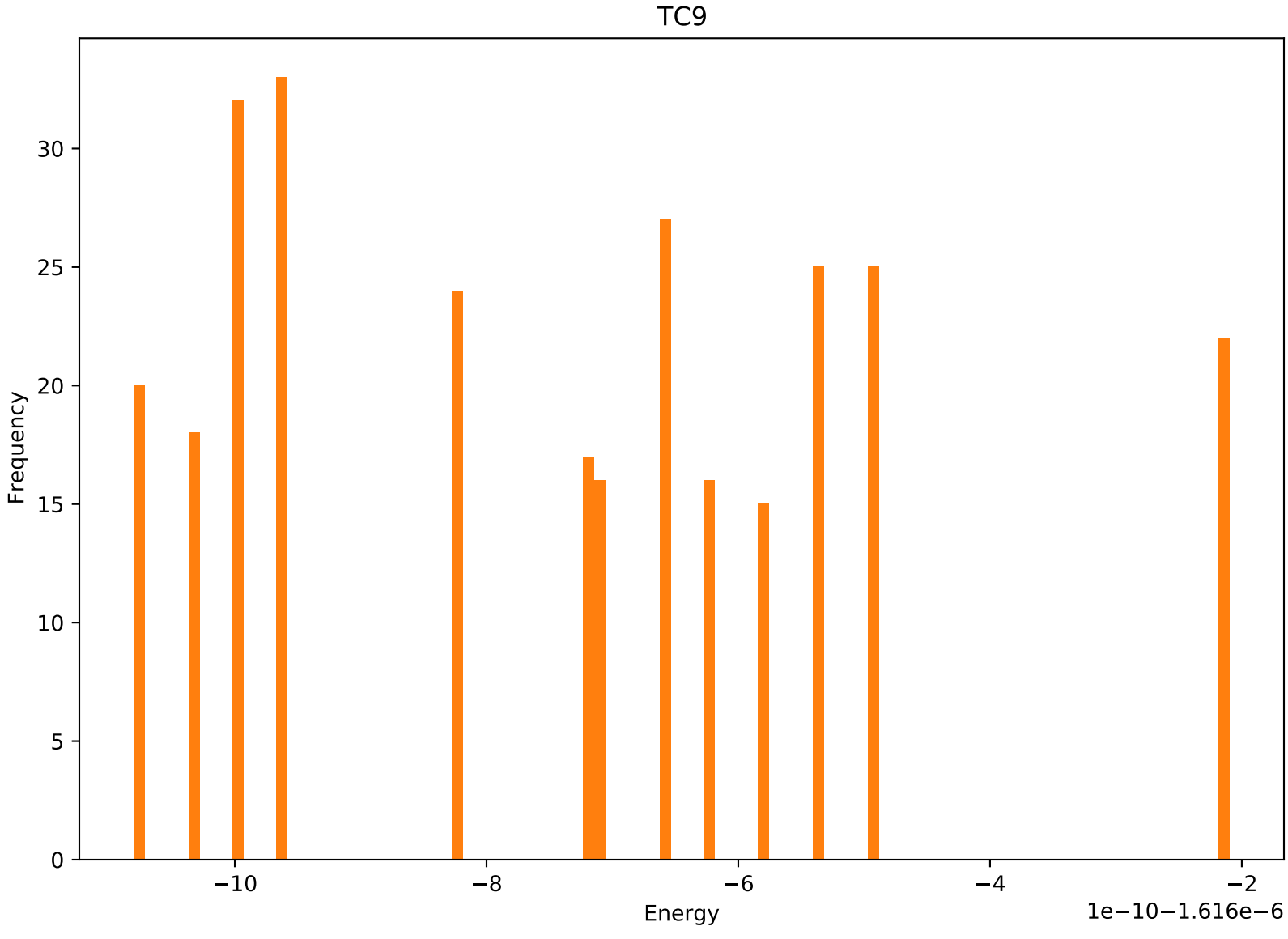

TC4
Frequency
350
300
250
200
150
100
50
0
−2.95
−2.90
−2.85
−2.80
−2.75
−2.70
−2.65
Energy

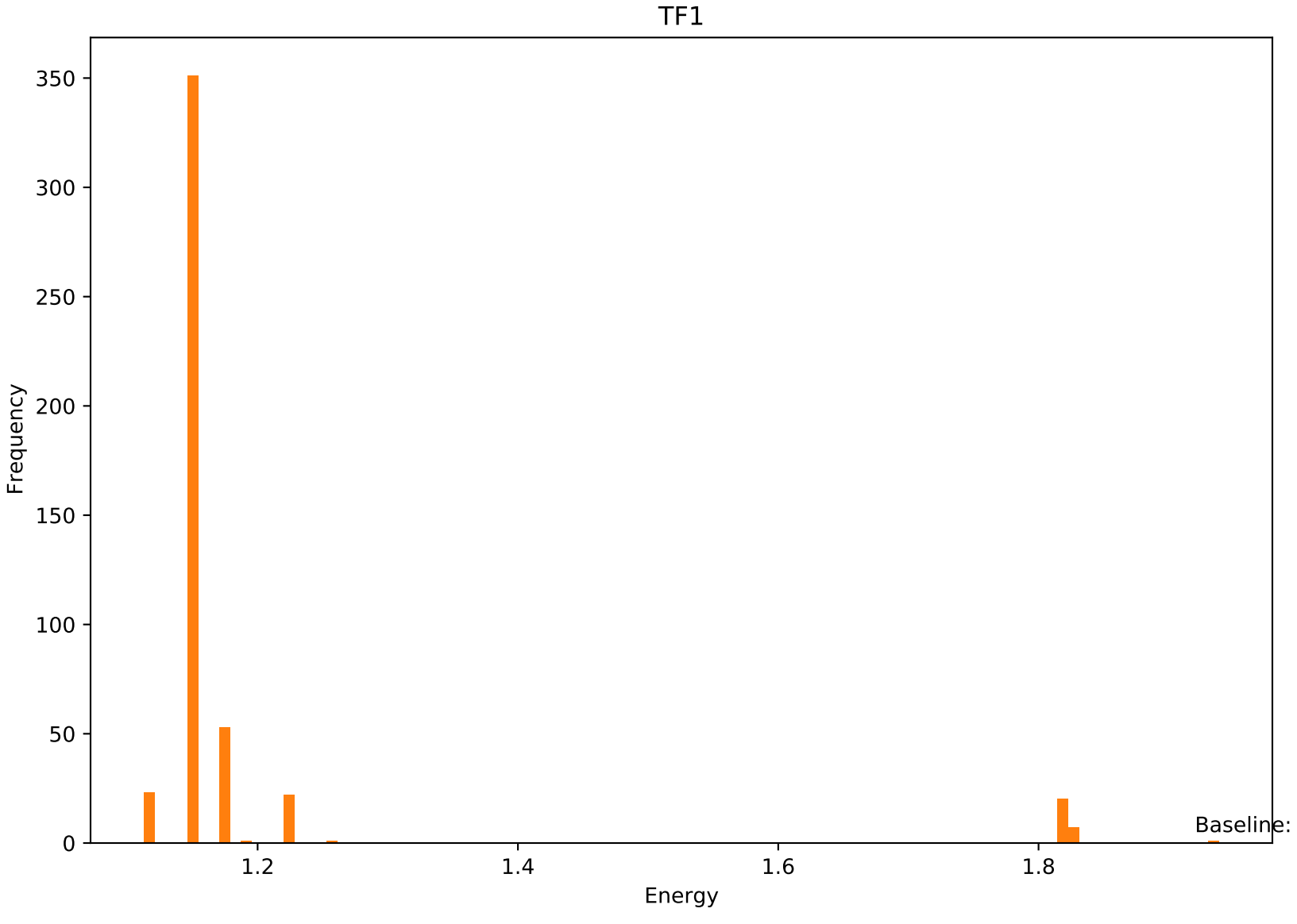

TC5
Frequency
300
250
200
150
100
50
0
−0.15740
−0.15735
−0.15730
−0.15725
−0.15720
−0.15715
Energy

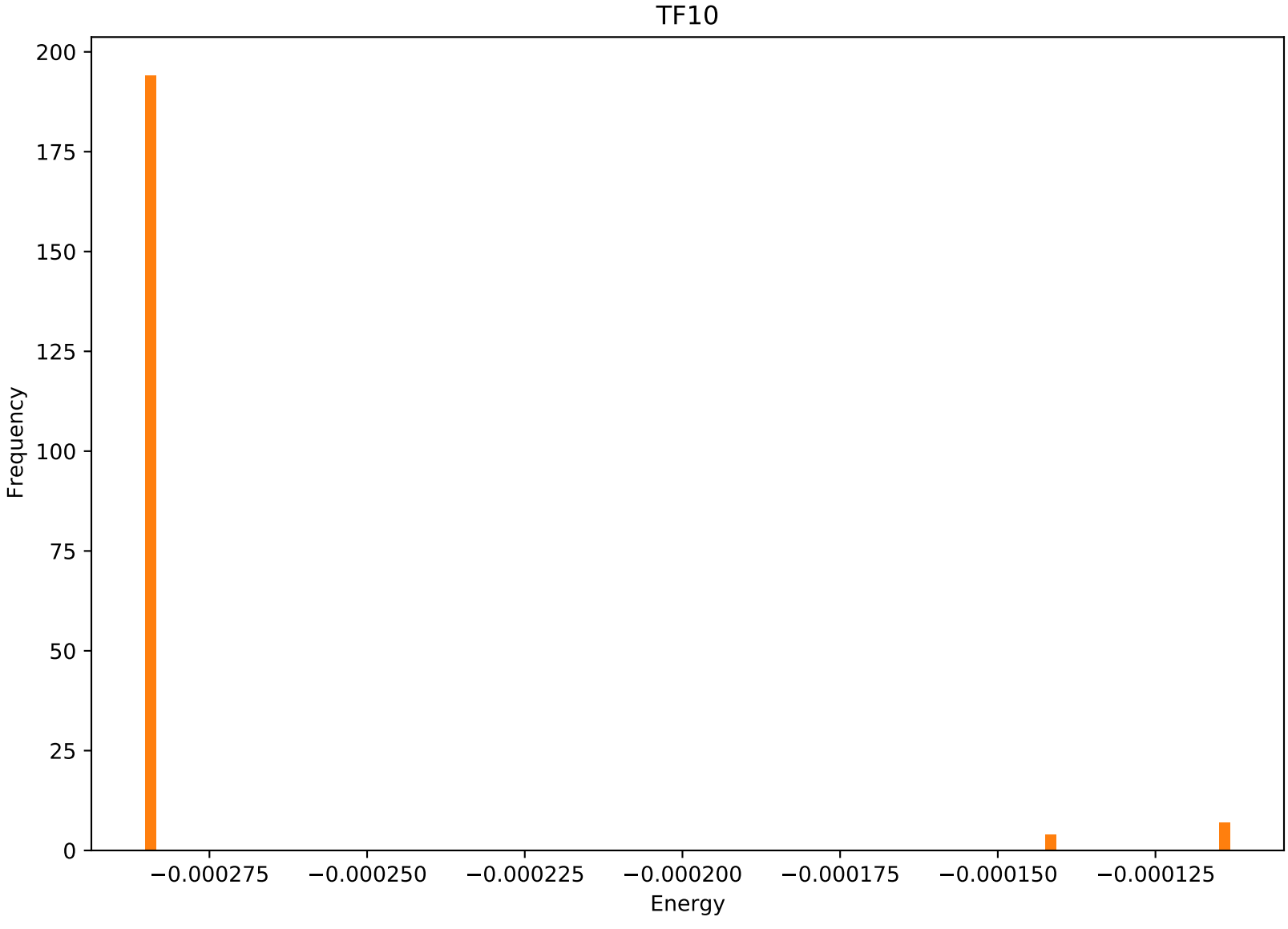

TC6
Frequency
300
250
200
150
100
50
0
−0.0505
−0.0500
−0.0495
−0.0490
−0.0485
−0.0480
Energy

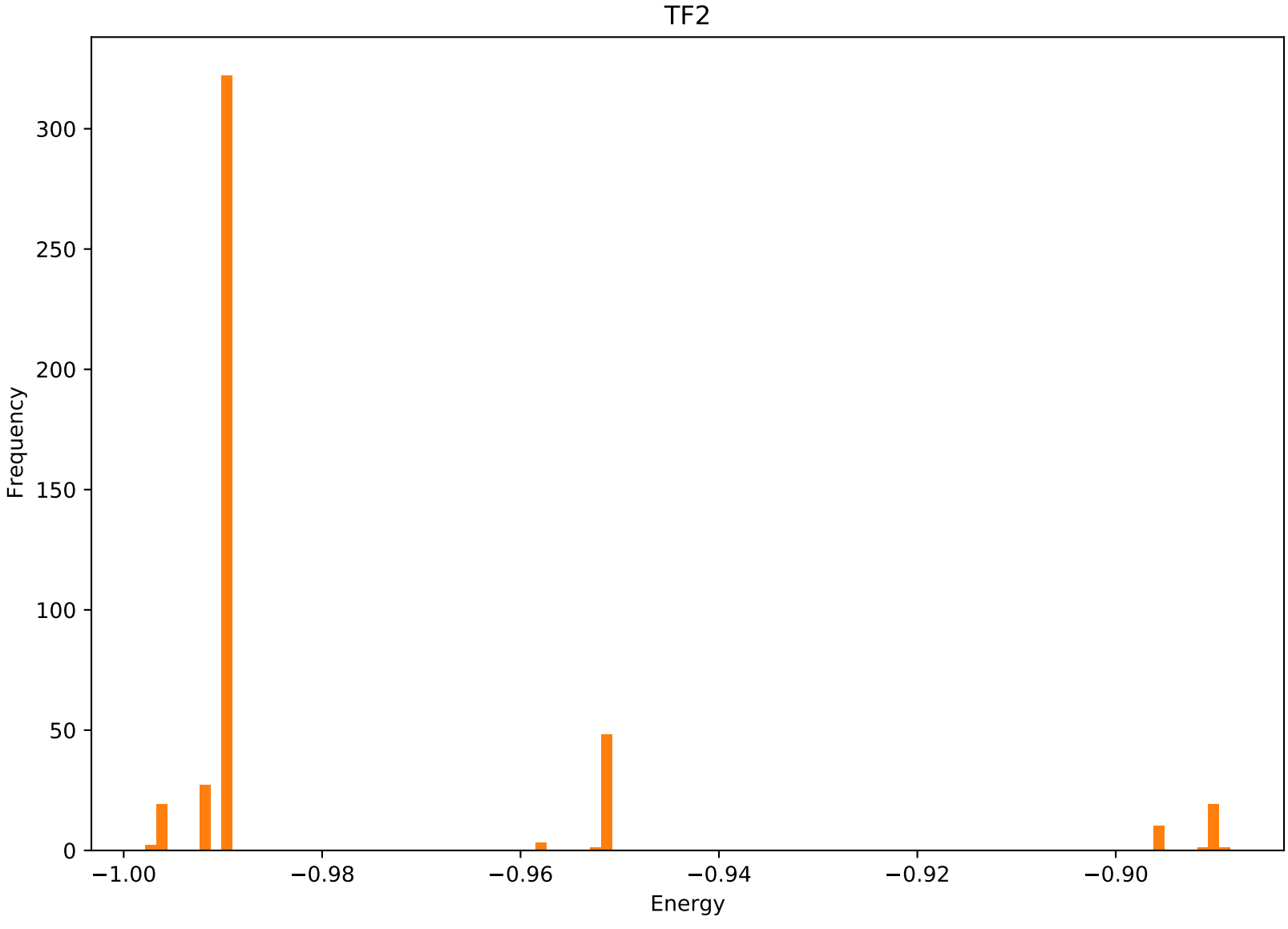

TC7
Frequency
0
20
40
60
80
100
−0.0415850
−0.0415825
−0.0415800
−0.0415775
−0.0415750
−0.0415725
−0.0415700
−0.0415675
−0.0415650
Energy

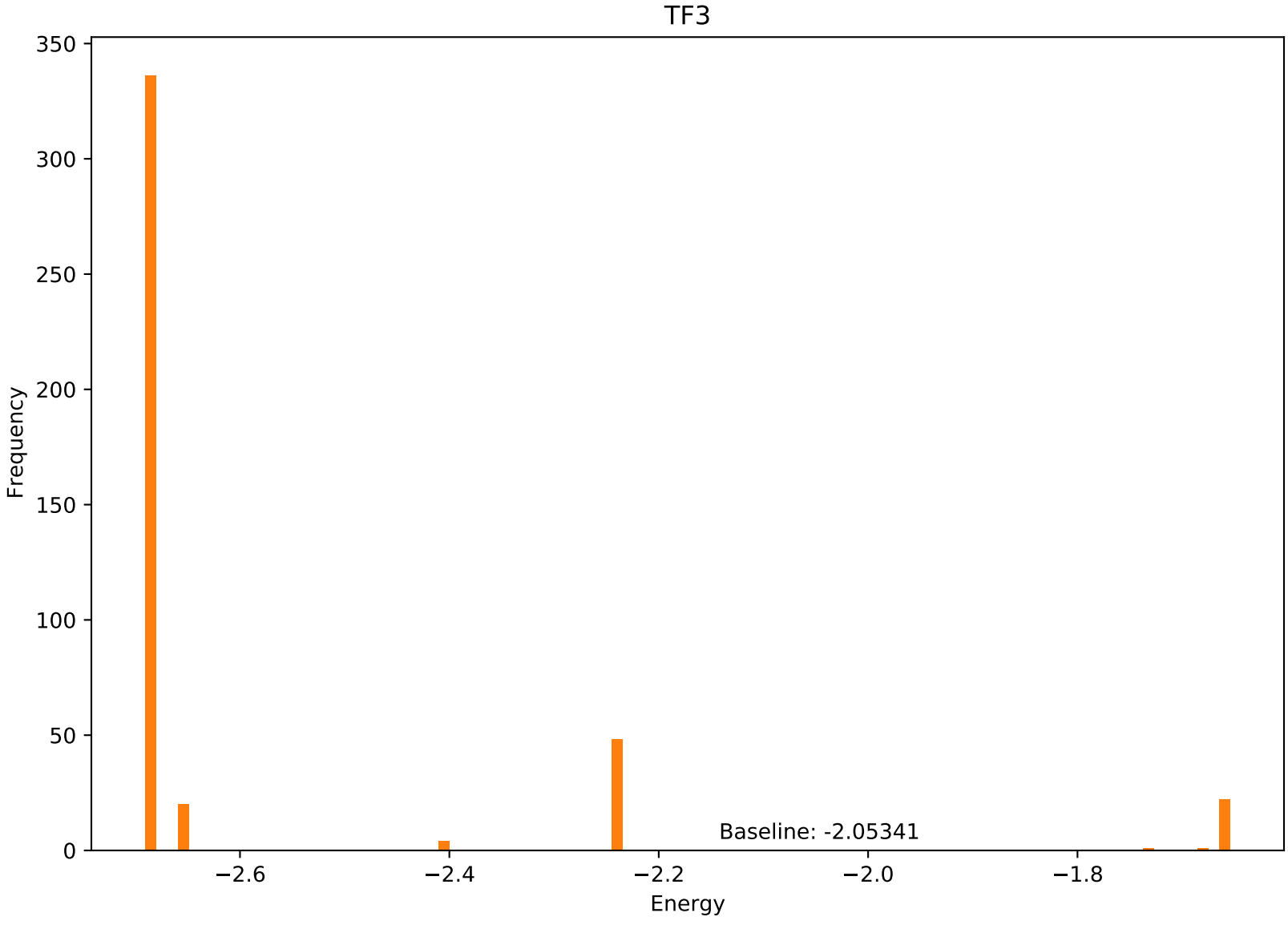

TC8
70
60
50
40
30
20
10
0
Frequency
−9.8
−9.6
−9.4
−9.2
−9.0
−8.8
−8.6
Energy
1e−7−8.994e−3

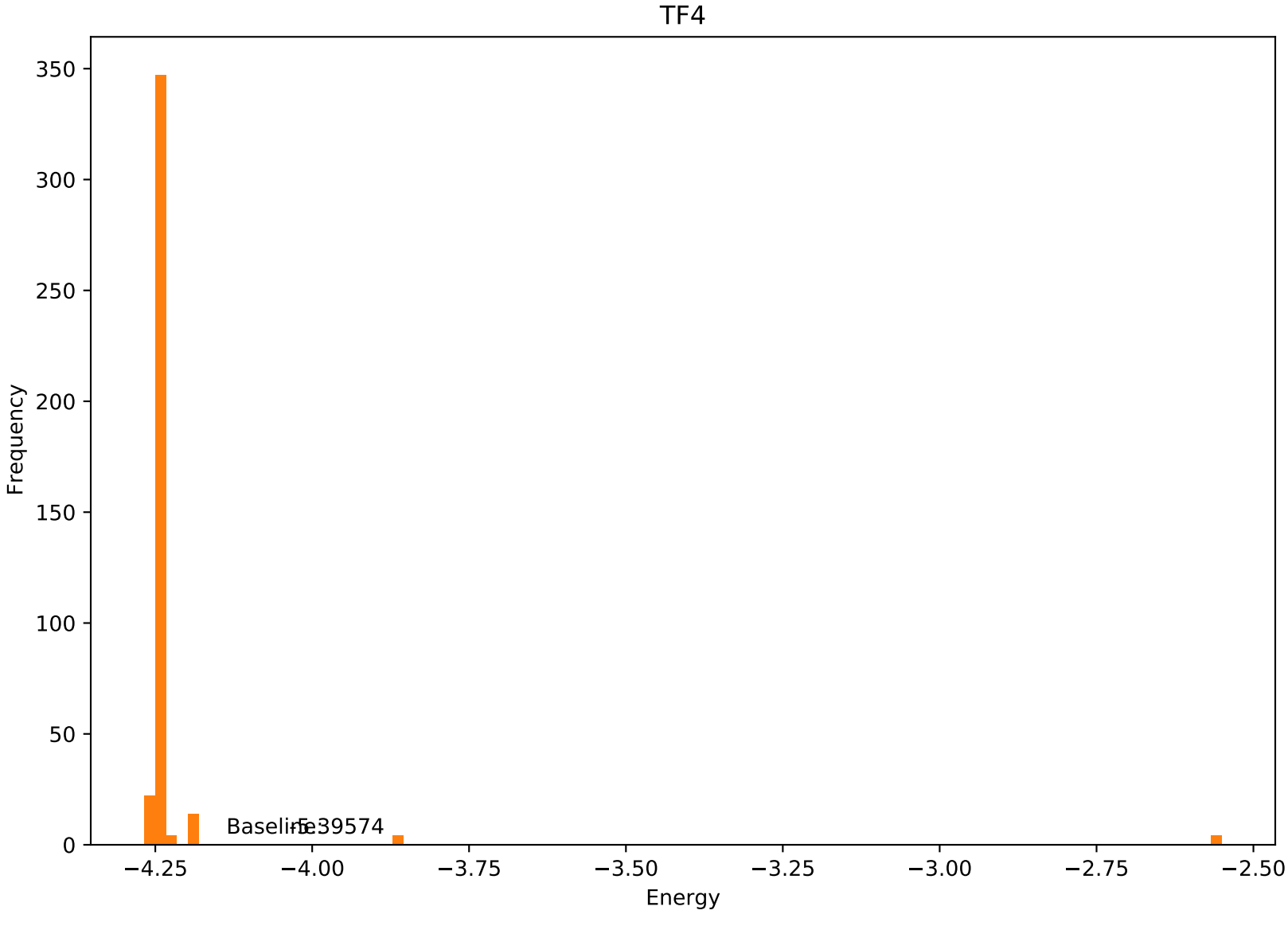

TC9
Frequency
0
5
10
15
20
25
30
−10
−8
−6
−4
−2
Energy
1e−10−1.616e−6

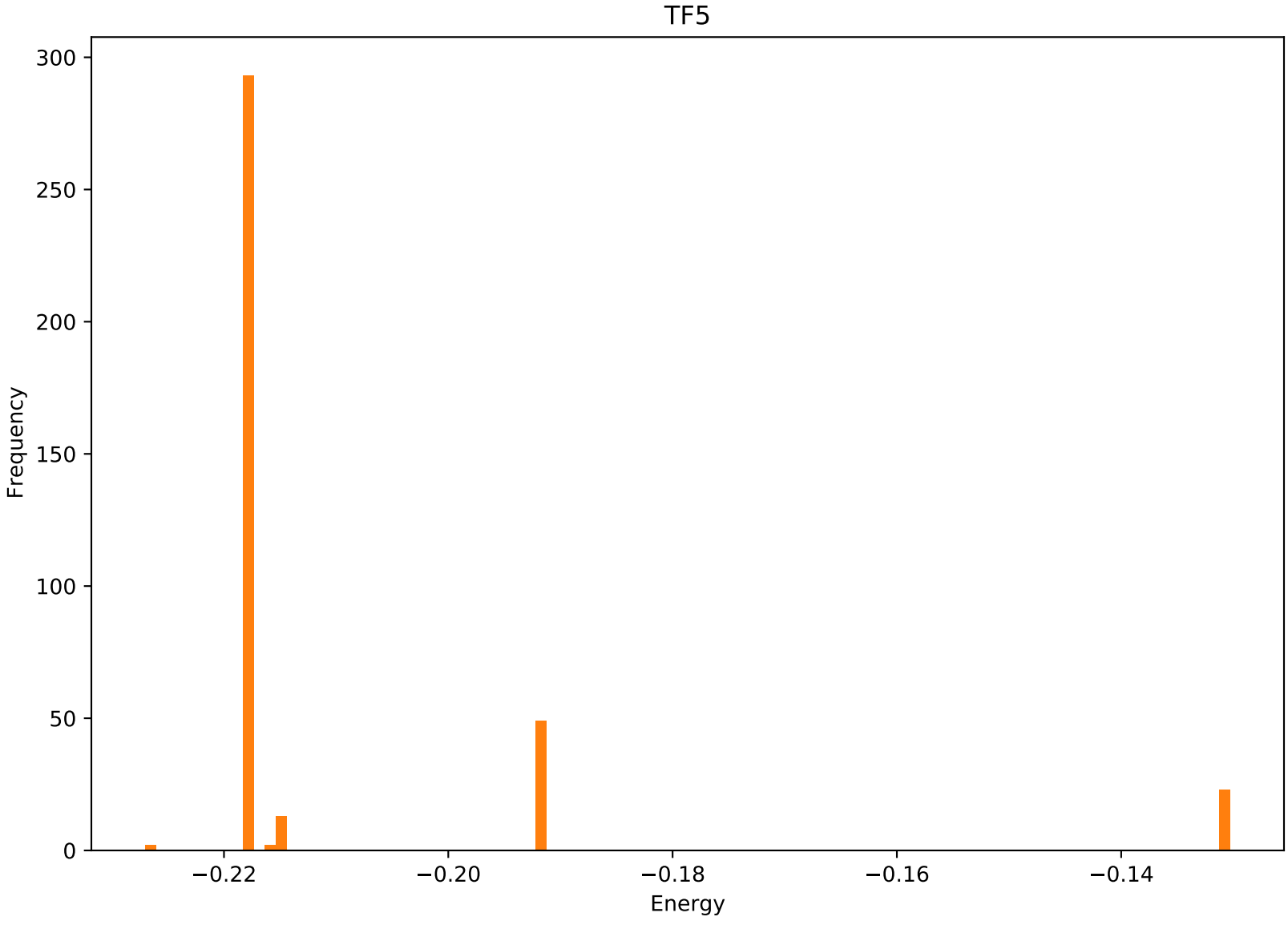

TF1
Frequency
Energy
0
50
100
150
200
250
300
350
1.2
1.4
1.6
1.8
Baseline:

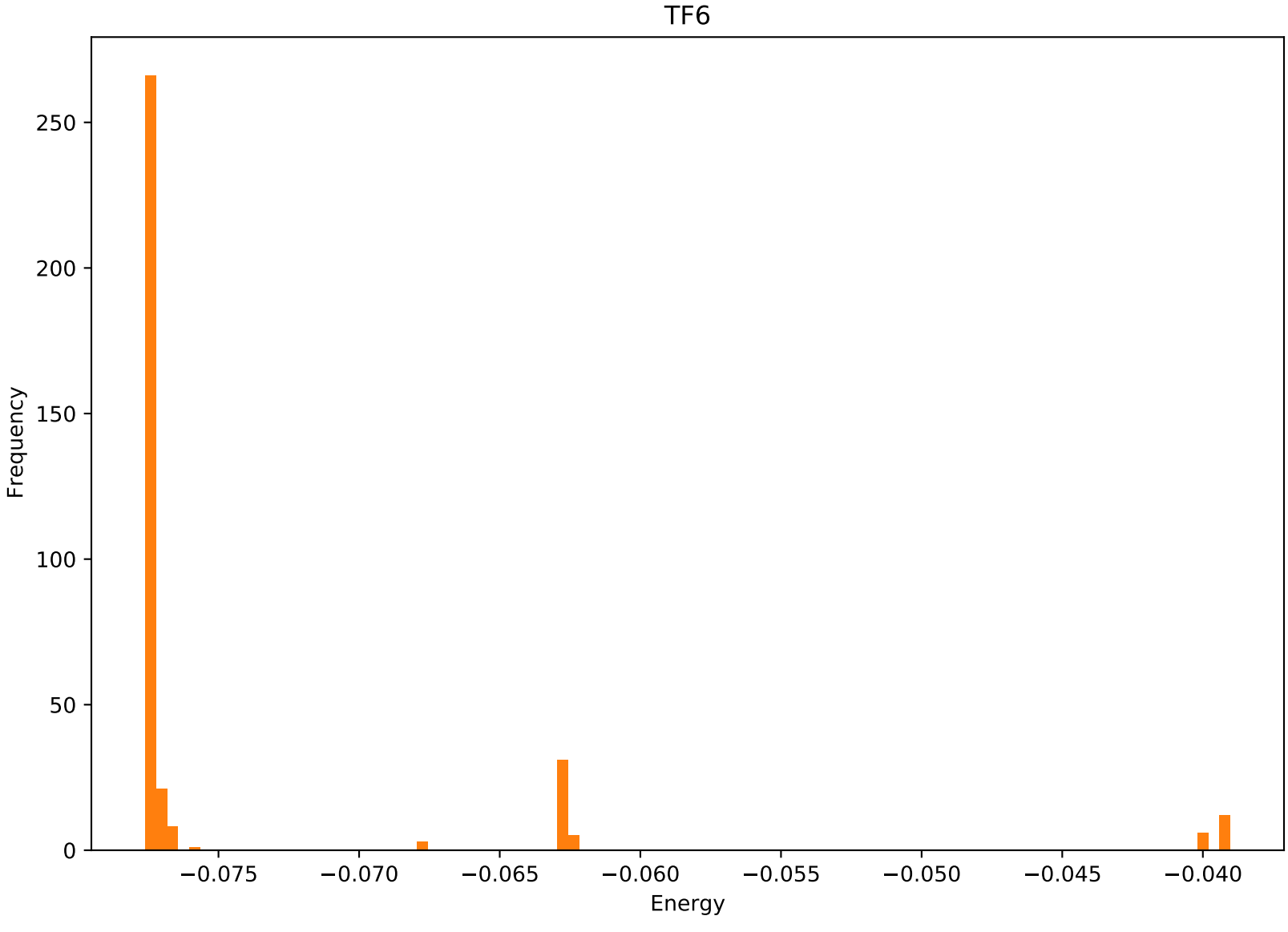

TF10
Frequency
200
175
150
125
100
75
50
25
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

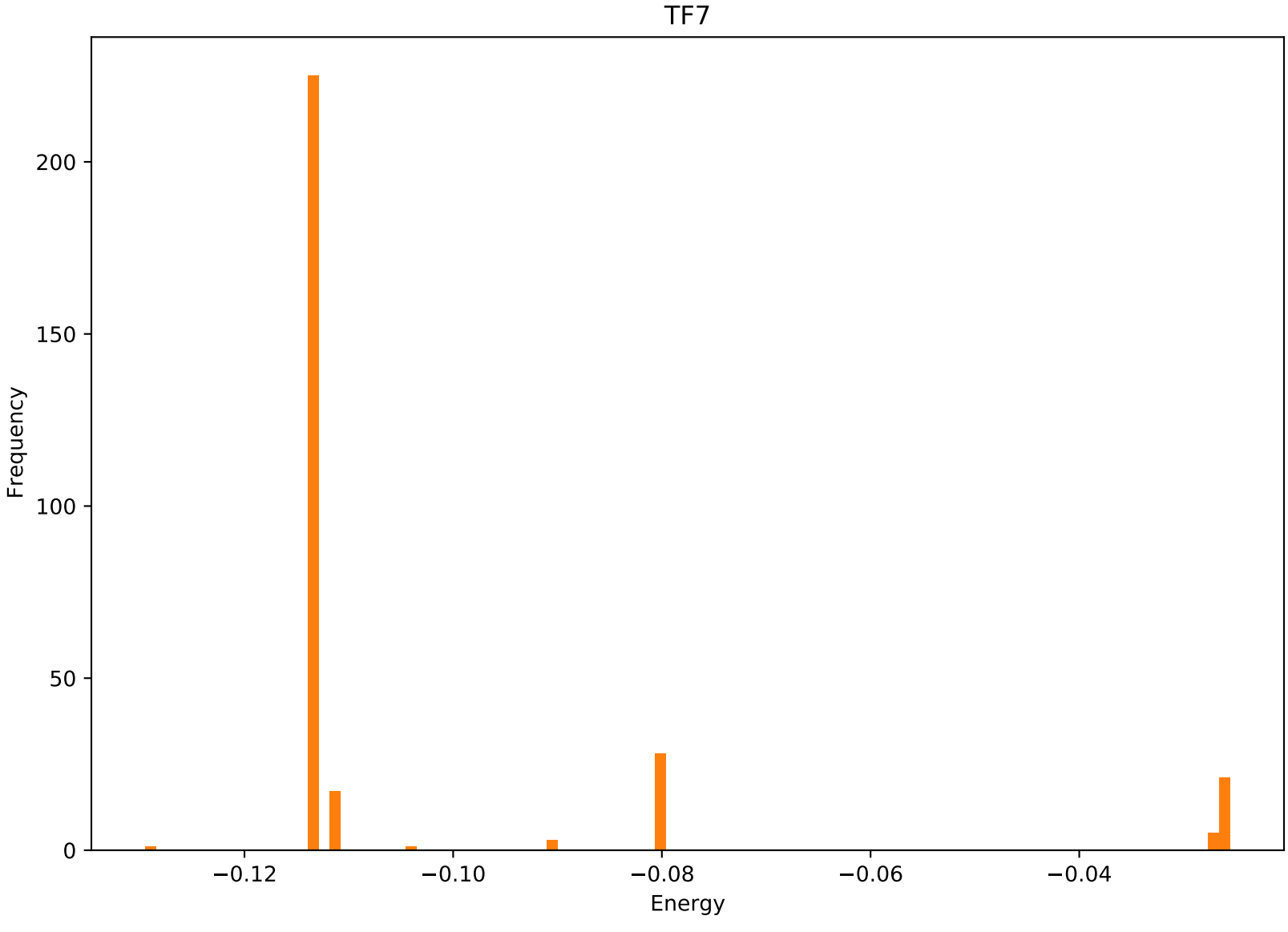

TF2
Frequency
Energy
0
50
100
150
200
250
300
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90

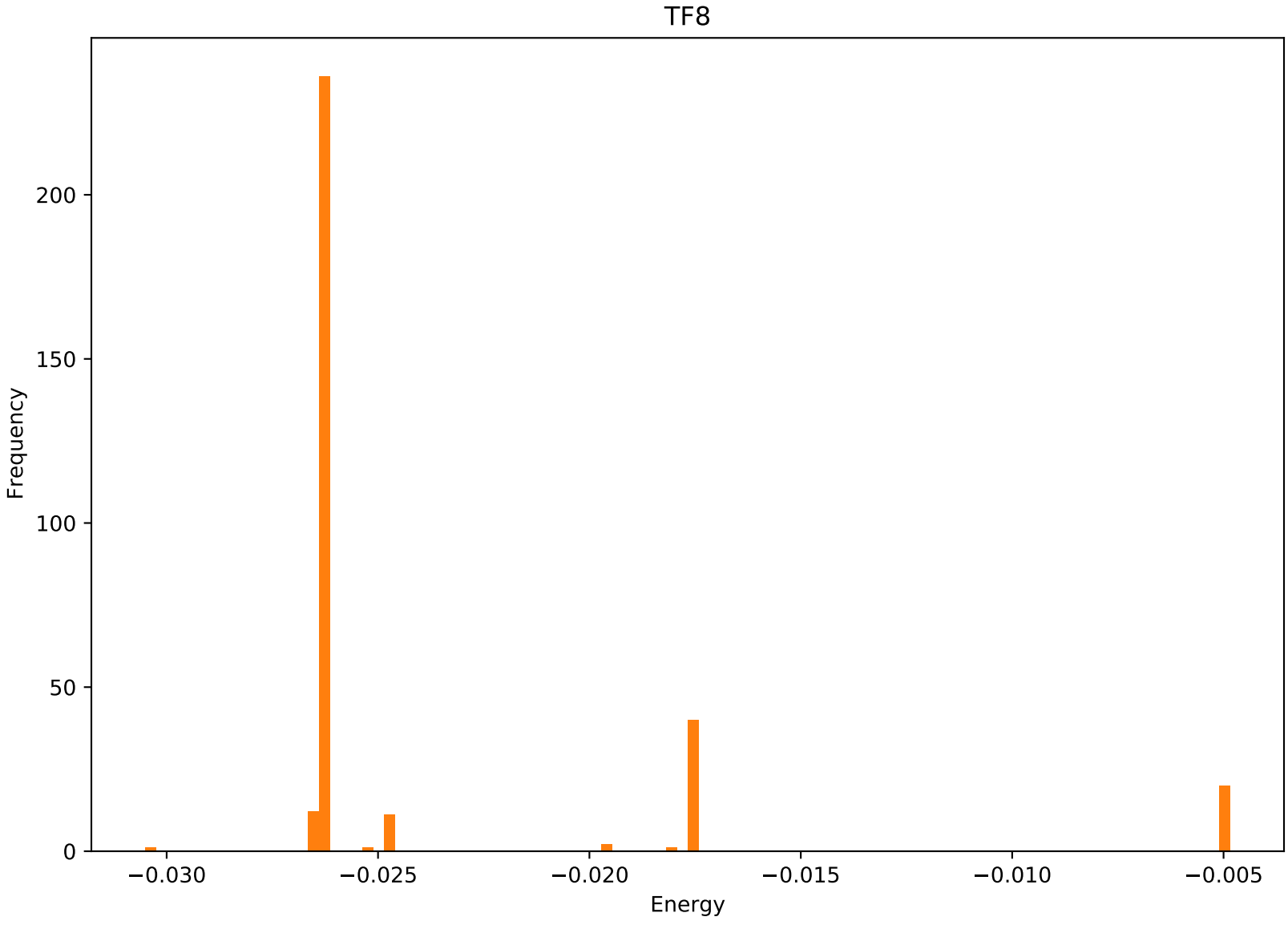

TF3
350
300
250
200
150
100
50
0
Frequency
−2.6
−2.4
−2.2
−2.0
−1.8
Energy
Baseline: -2.05341

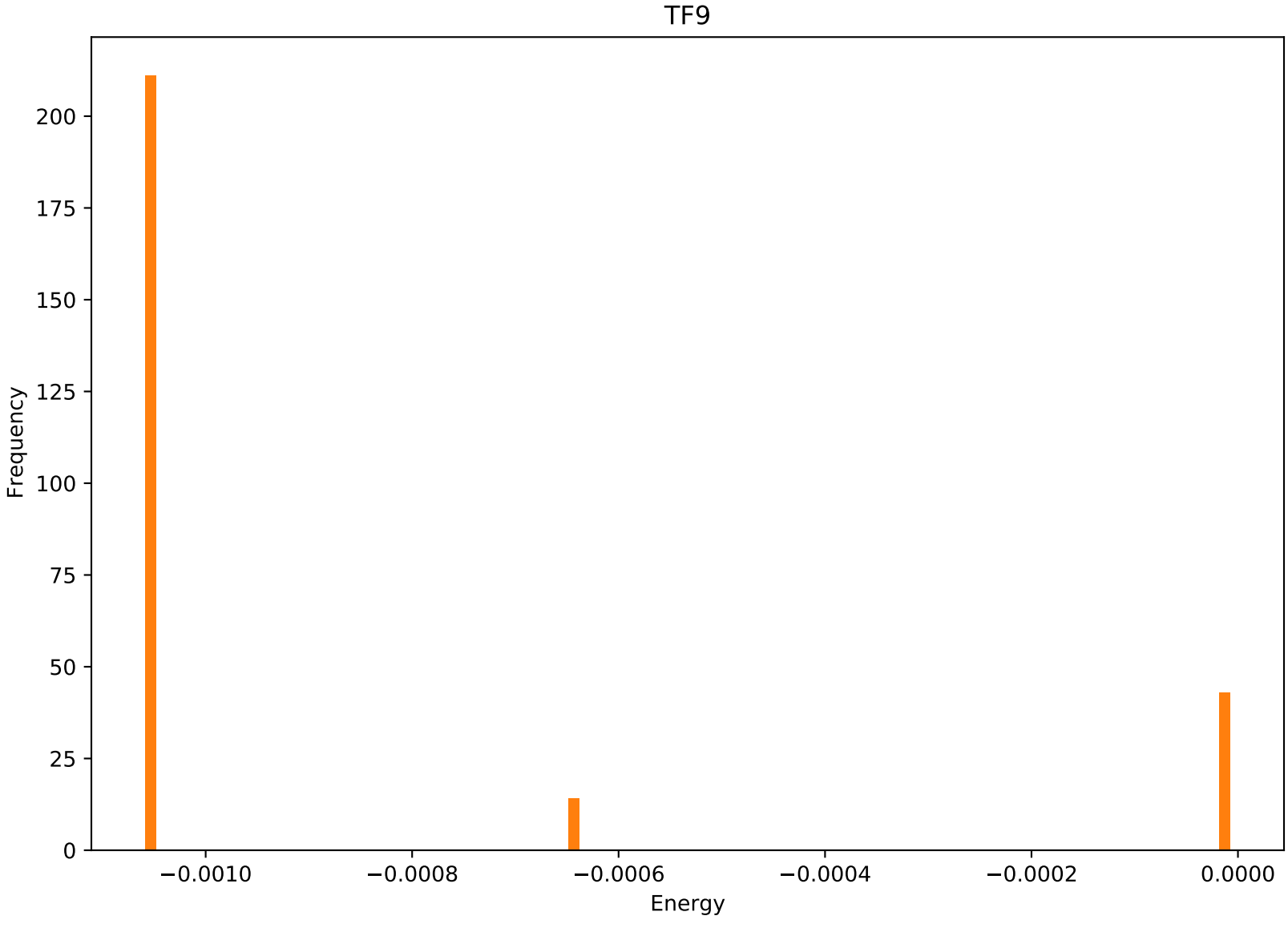

TF4
Frequency
Energy
0
50
100
150
200
250
300
350
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
Baseline: -3.39574

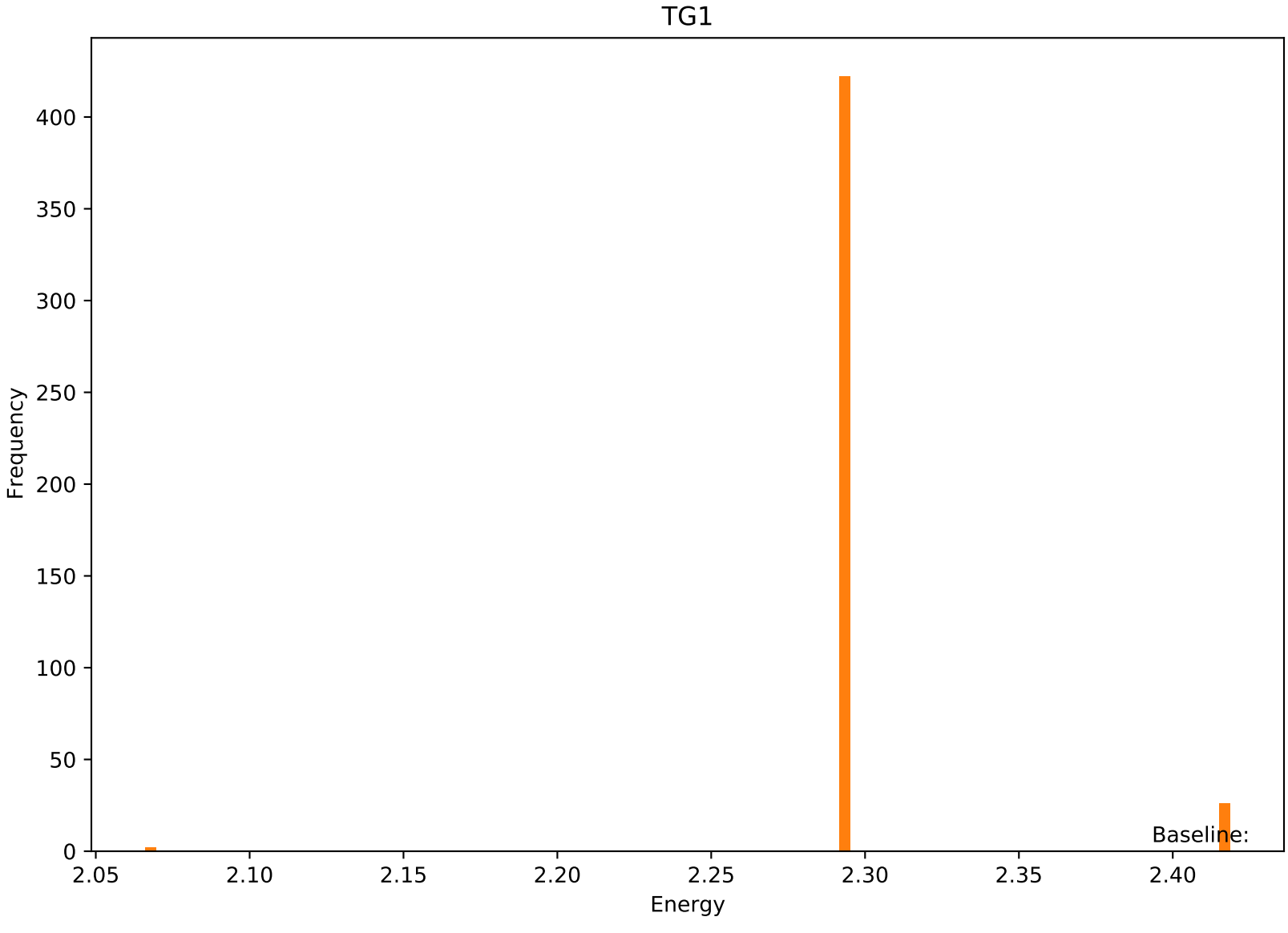

TF5
300
250
200
150
100
50
0
Frequency
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

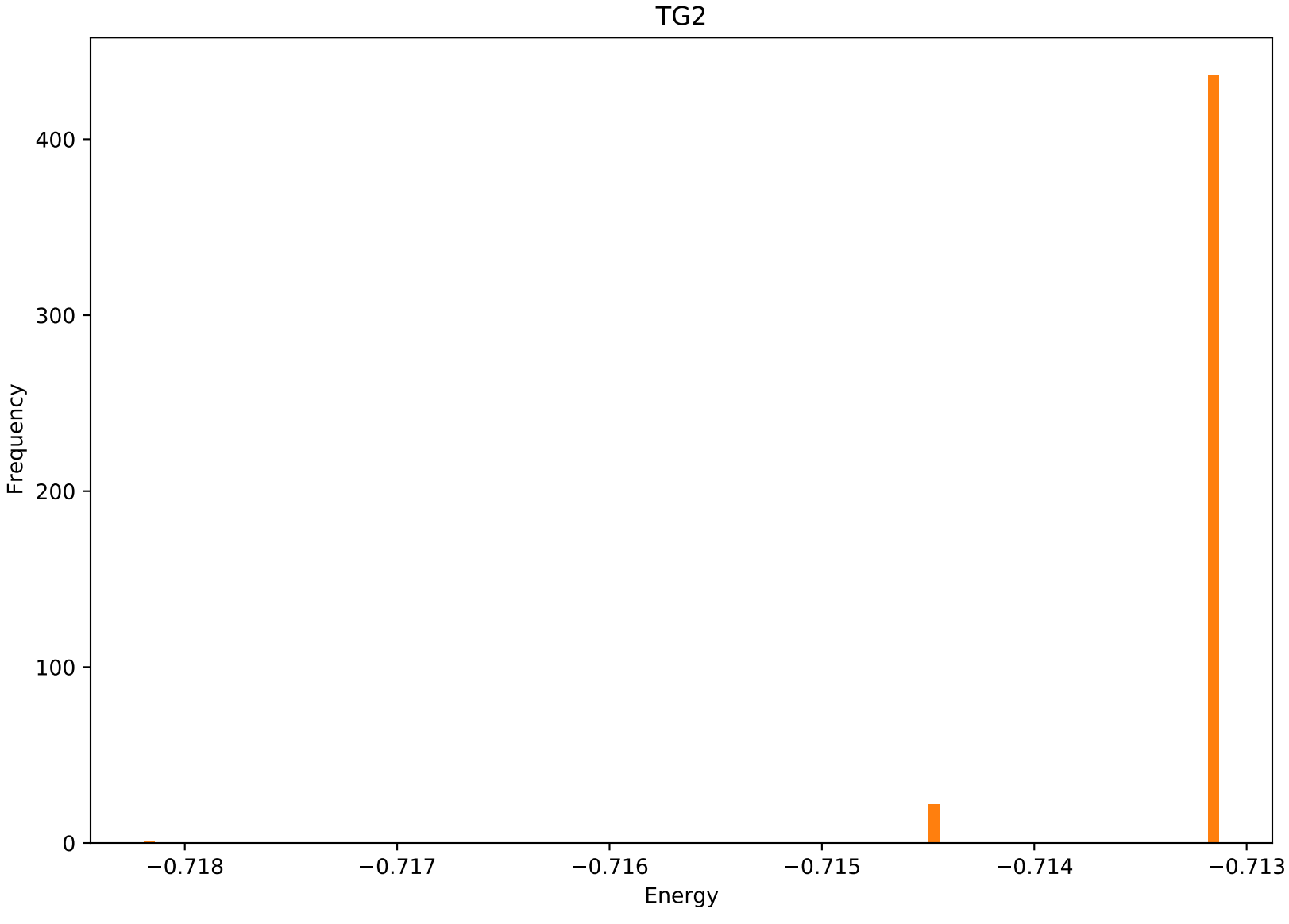

TF6
Frequency
250
200
150
100
50
0
−0.075
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

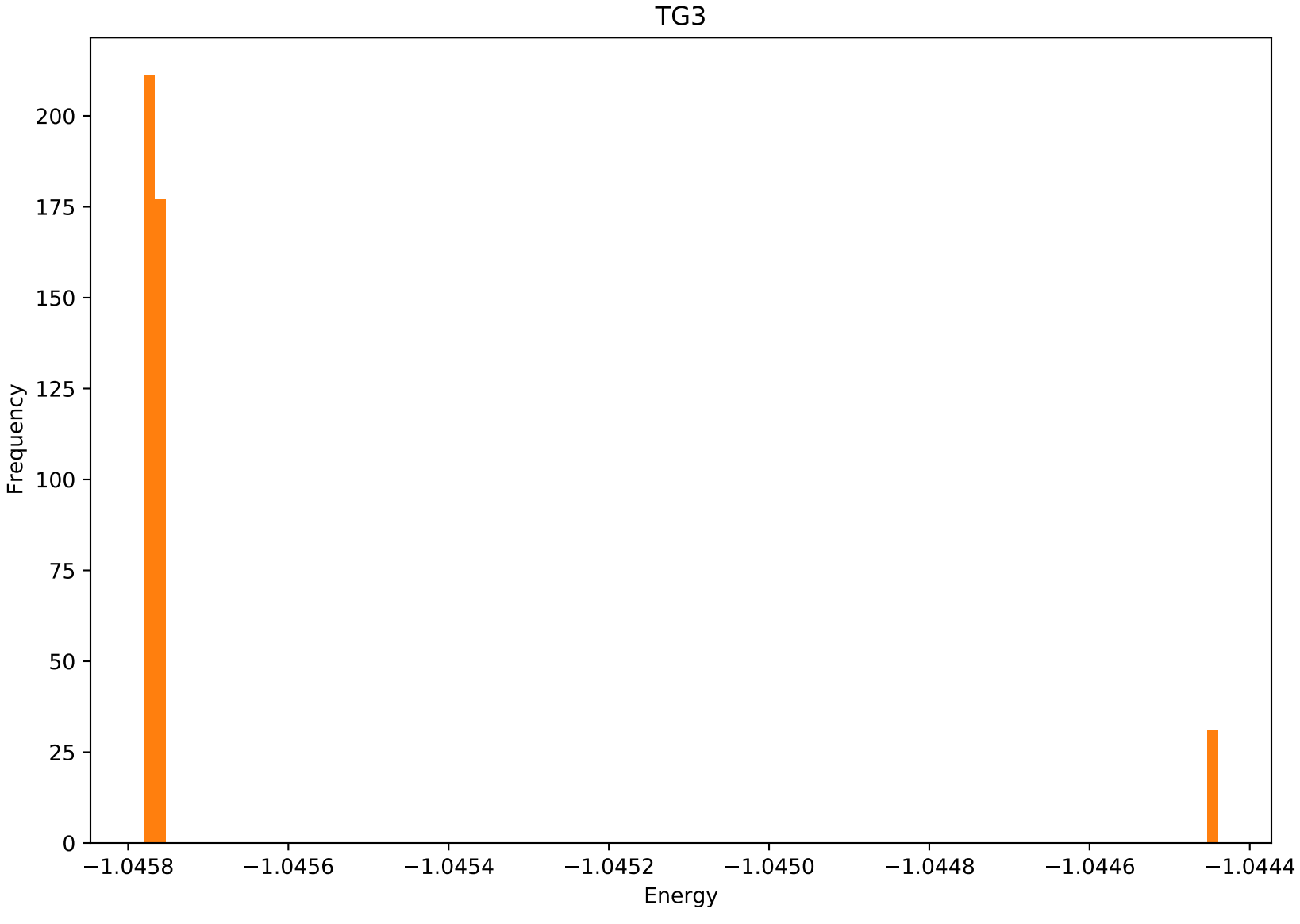

TF7
Frequency
200
150
100
50
0
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

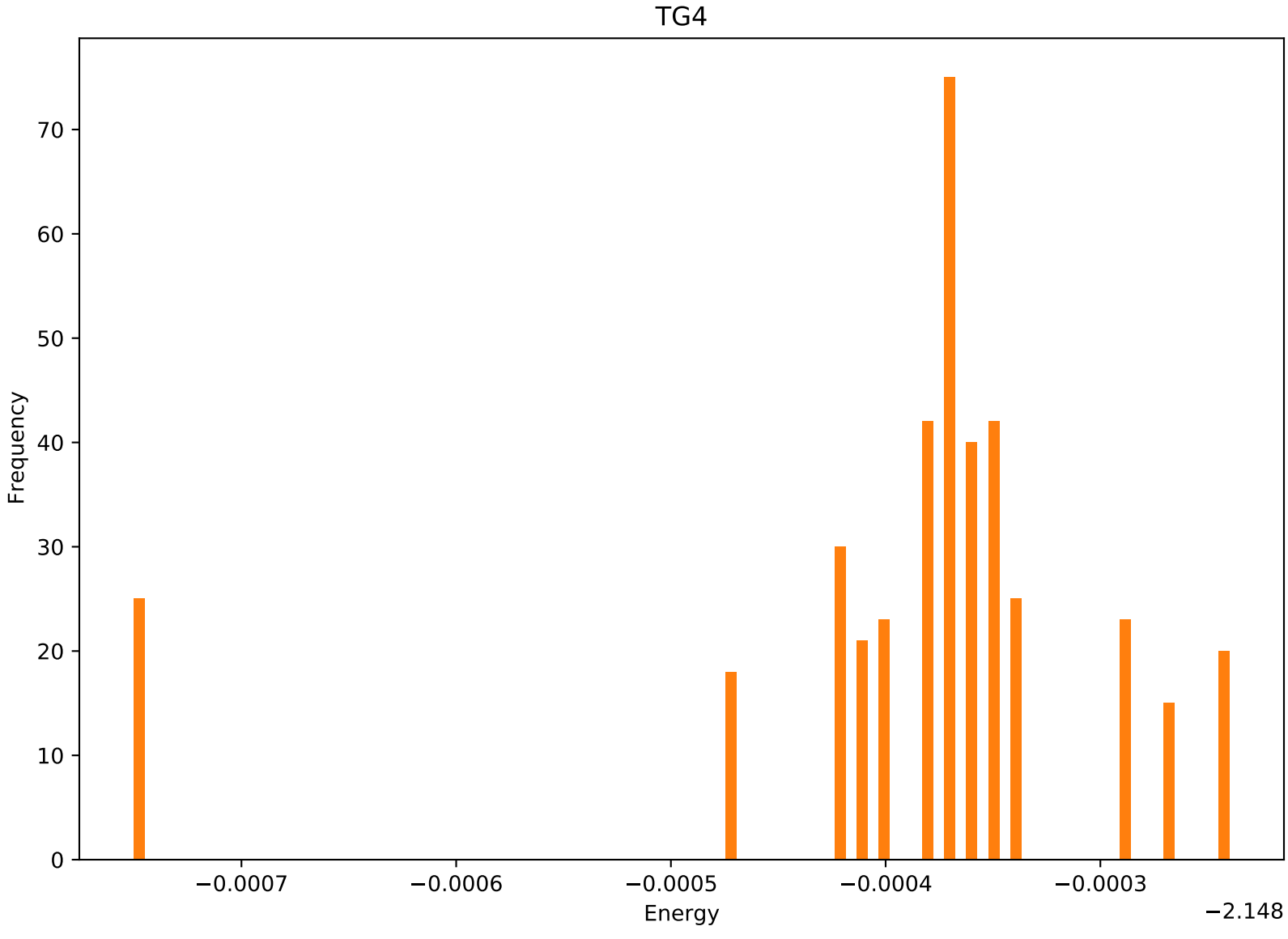

TF8
Frequency
200
150
100
50
0
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

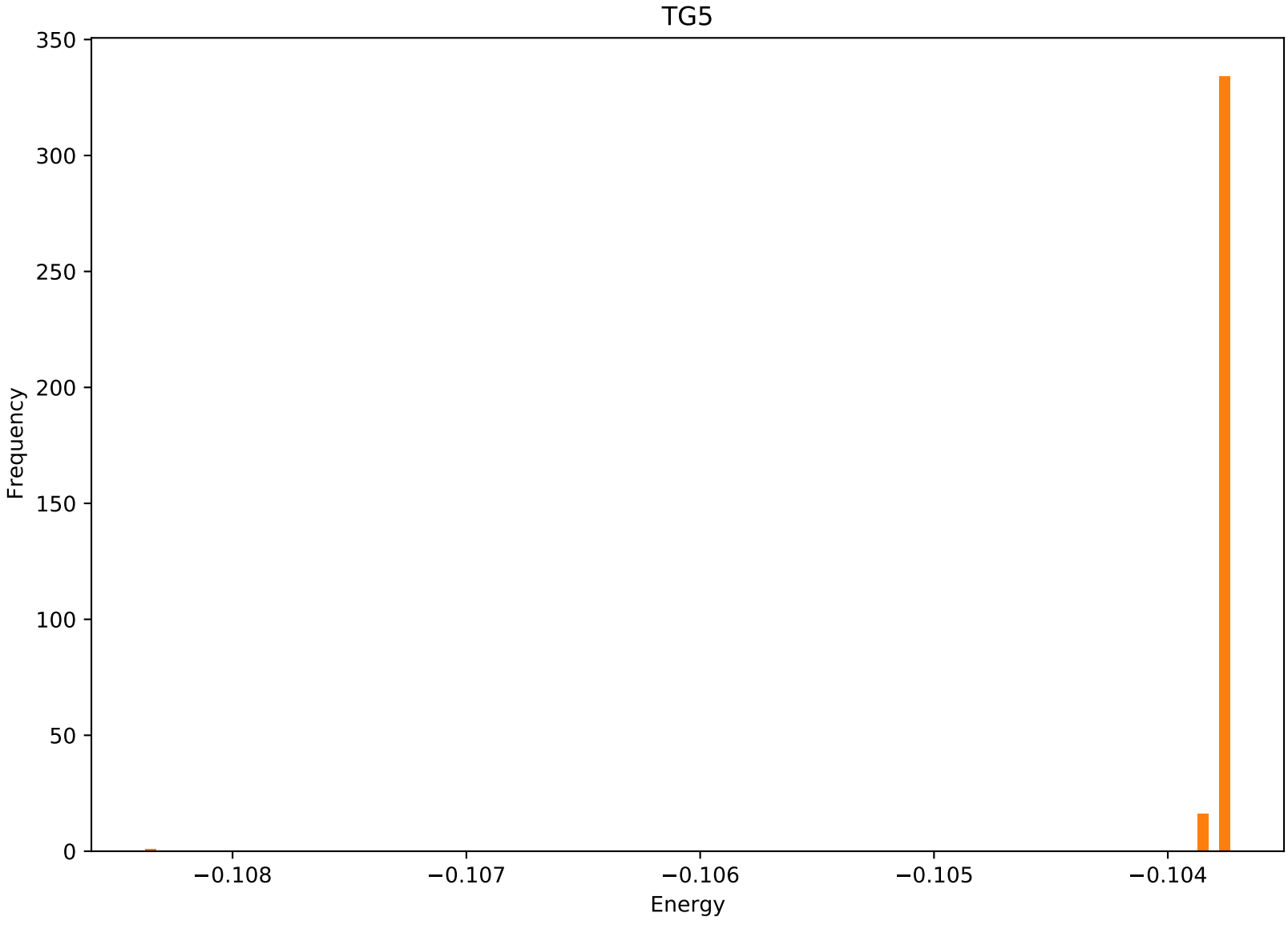

TF9
Frequency
200
175
150
125
100
75
50
25
0
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

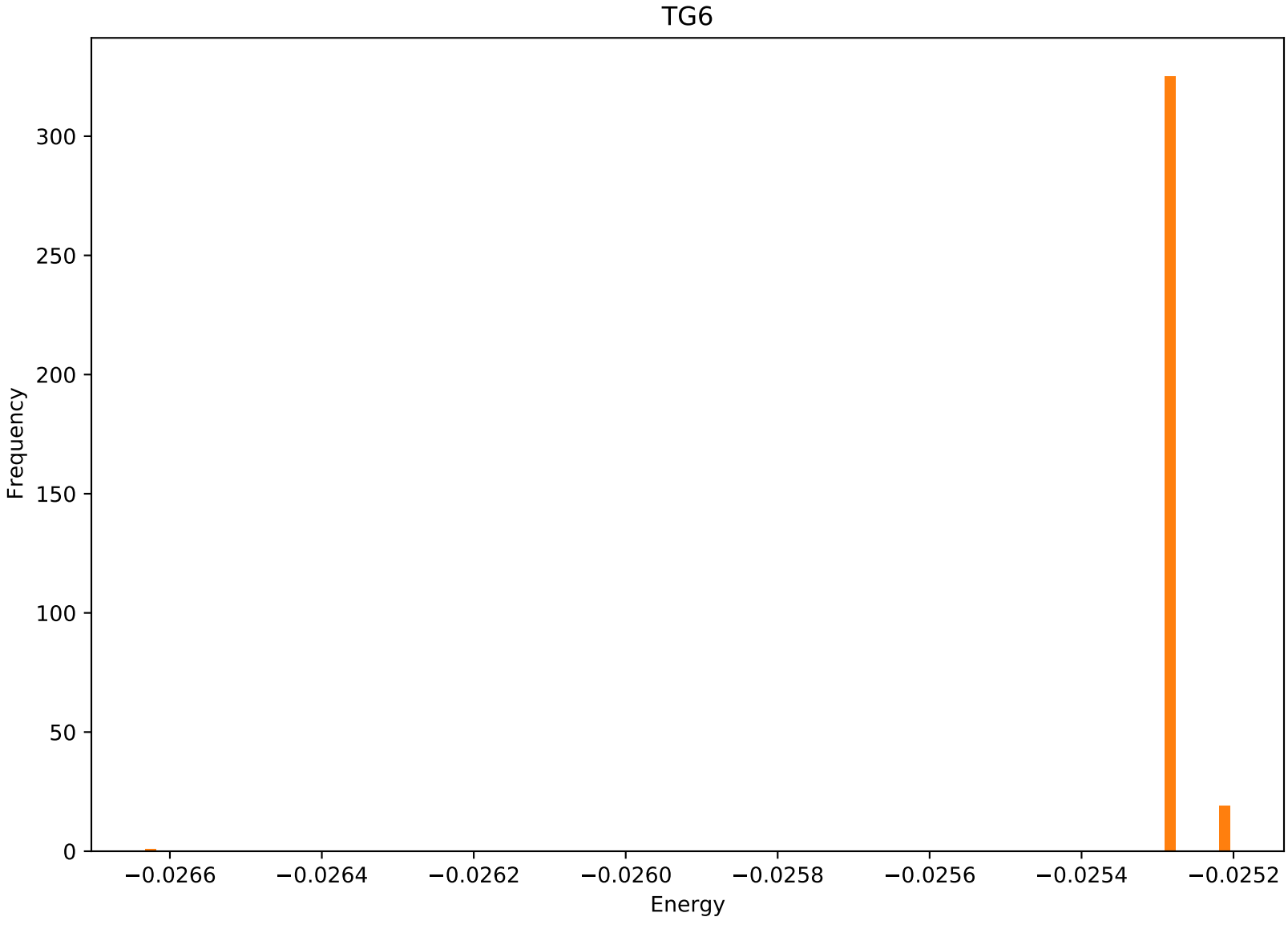

TG1
Frequency
Energy
0
50
100
150
200
250
300
350
400
2.05
2.10
2.15
2.20
2.25
2.30
2.35
2.40
Baseline:

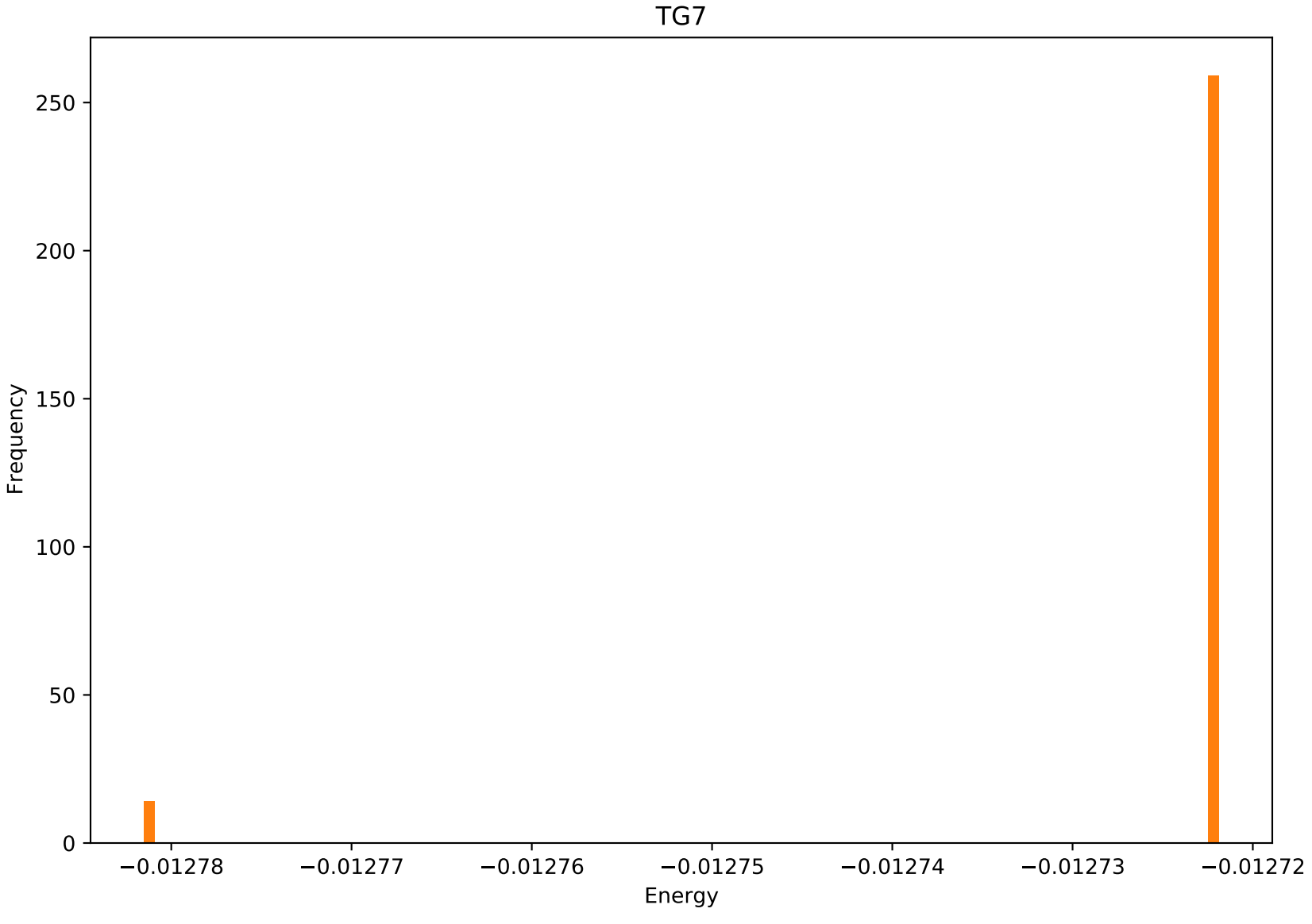

TG2
Frequency
0
100
200
300
400
−0.718
−0.717
−0.716
−0.715
−0.714
−0.713
Energy

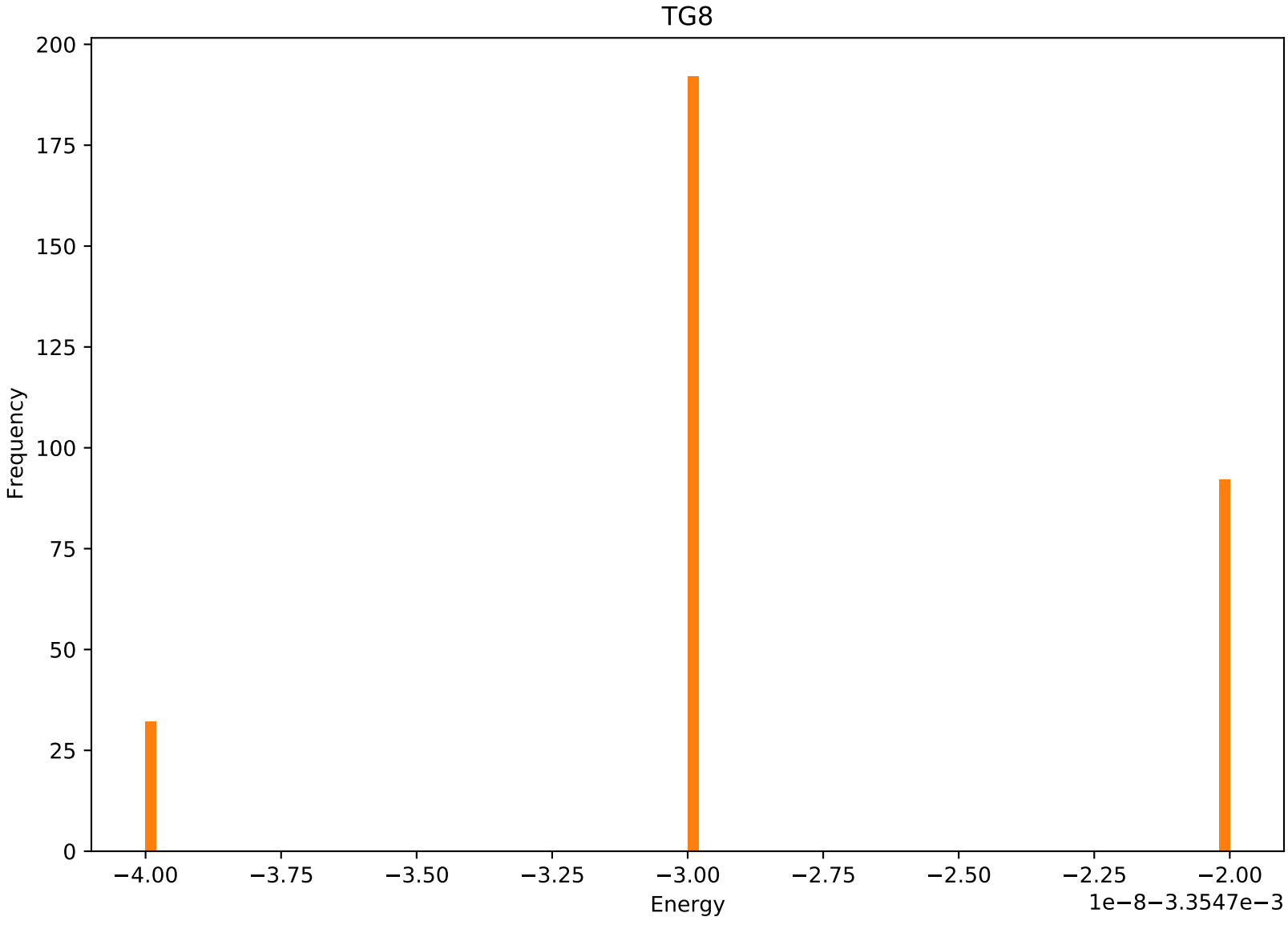

TG3
Frequency
200
175
150
125
100
75
50
25
0
−1.0458
−1.0456
−1.0454
−1.0452
−1.0450
−1.0448
−1.0446
−1.0444
Energy

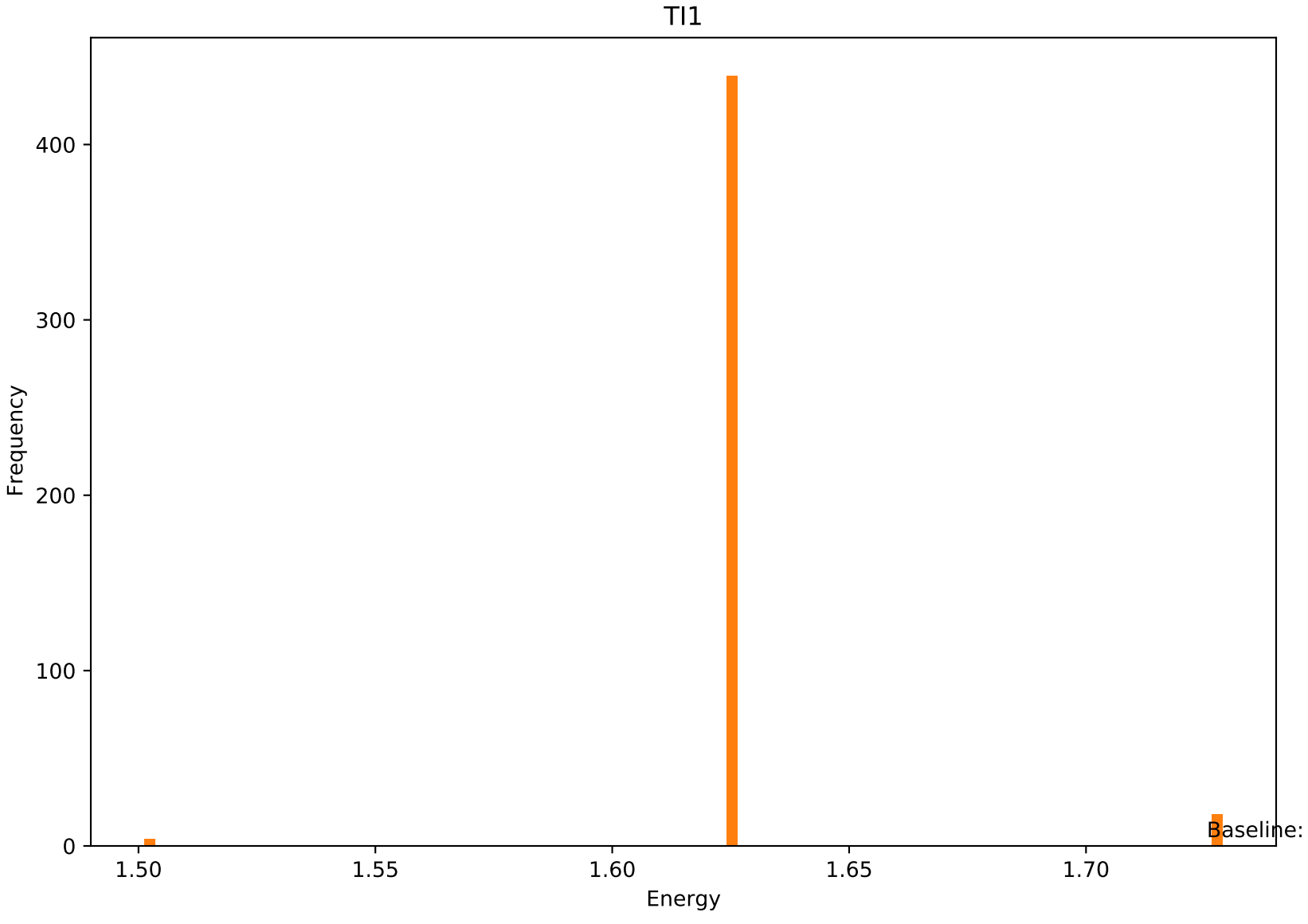

TG4
Frequency
0
10
20
30
40
50
60
70
−0.0007
−0.0006
−0.0005
−0.0004
−0.0003
Energy
−2.148

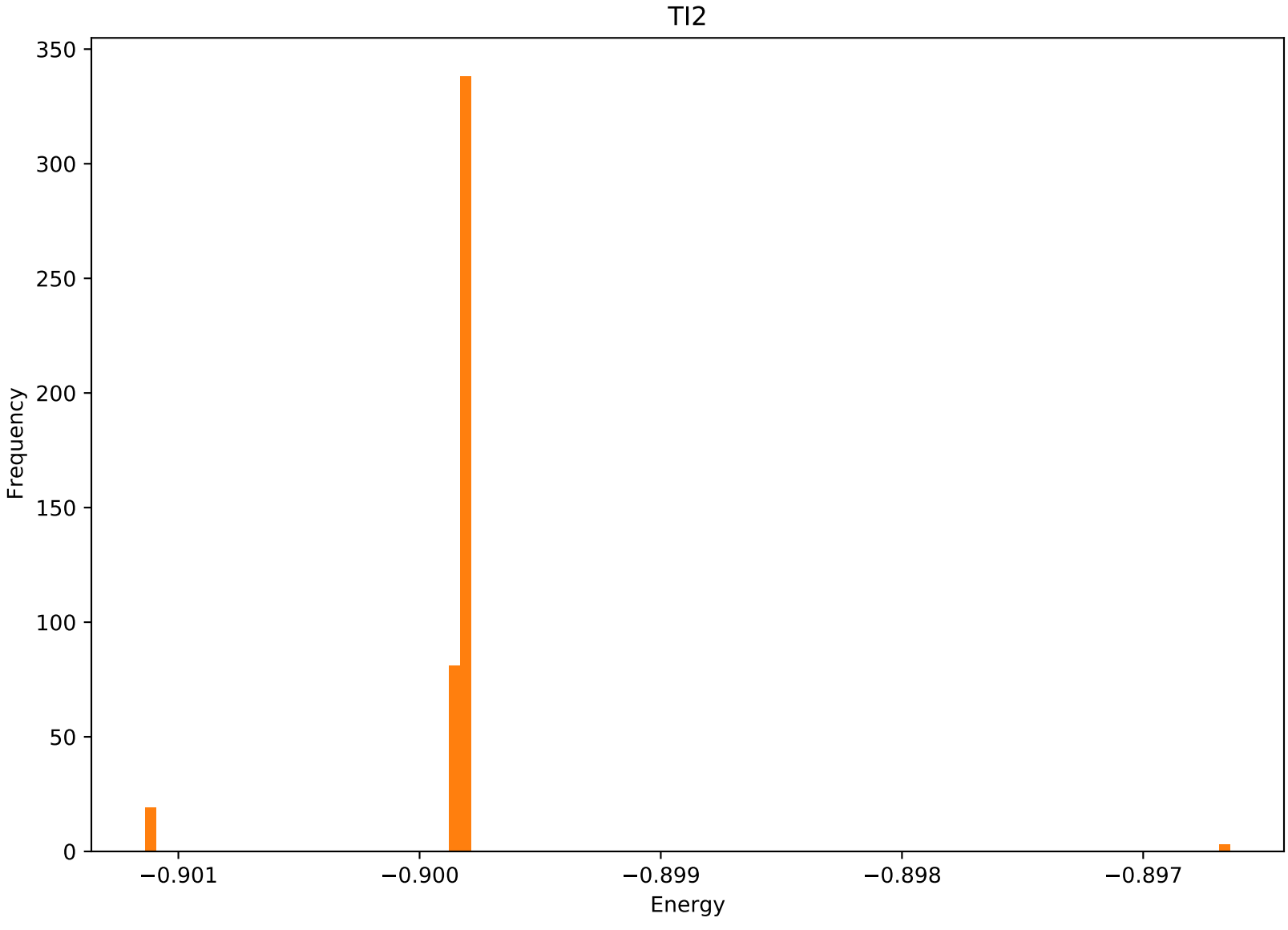

TG5
350
300
250
200
150
100
50
0
Frequency
−0.108
−0.107
−0.106
−0.105
−0.104
Energy

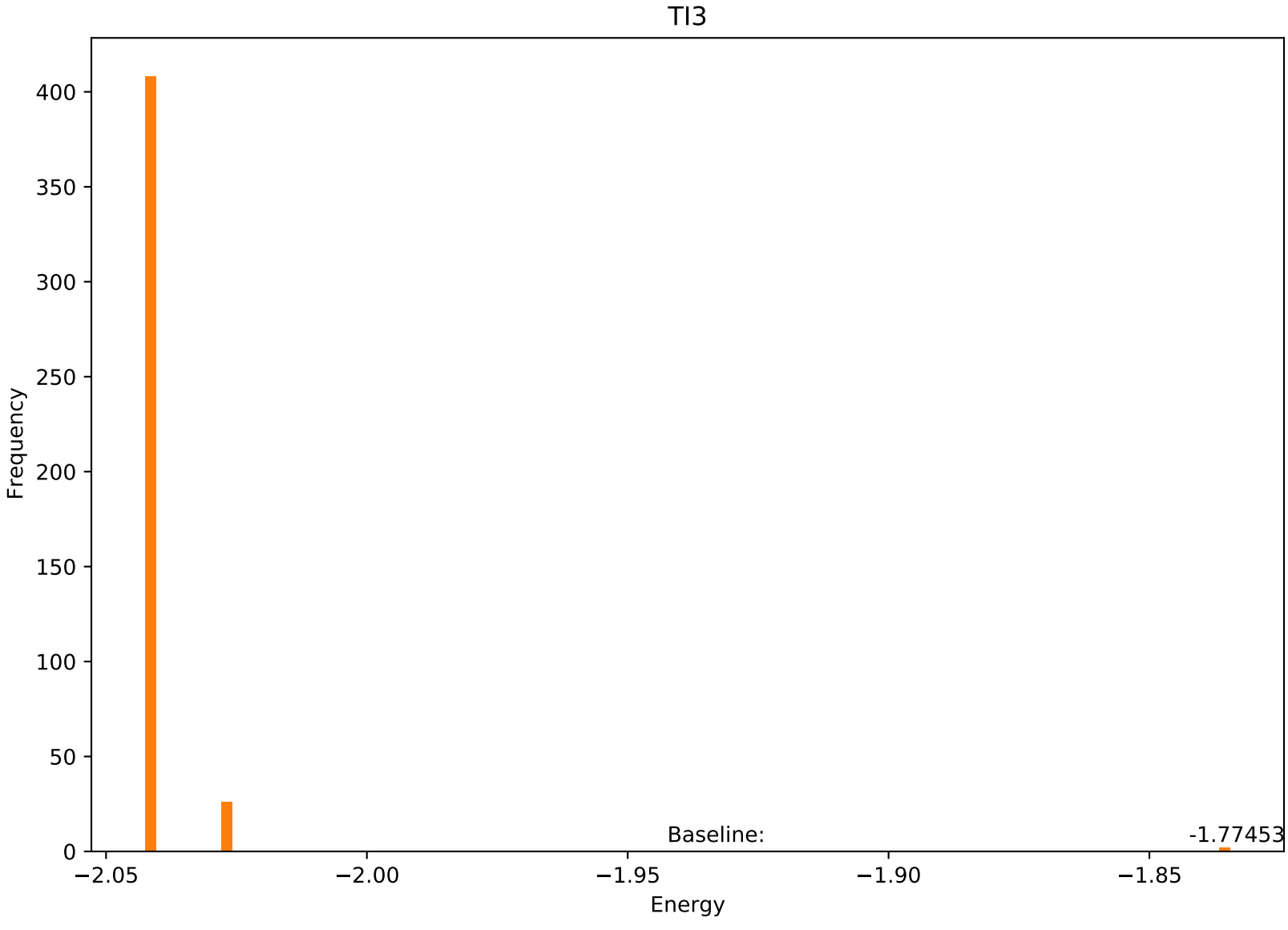

TG6
Frequency
300
250
200
150
100
50
0
−0.0266
−0.0264
−0.0262
−0.0260
−0.0258
−0.0256
−0.0254
−0.0252
Energy

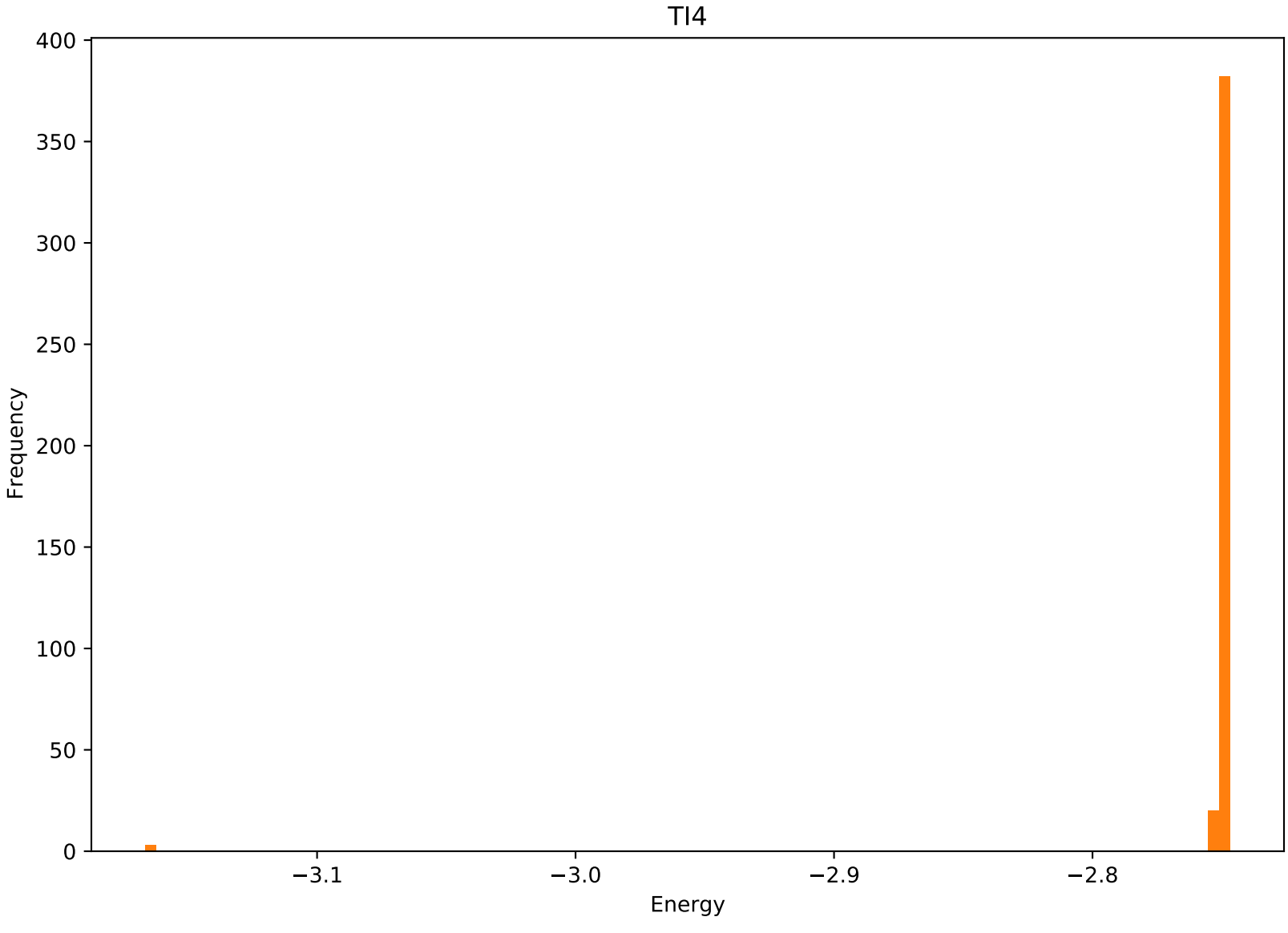

TG7
250
200
150
100
50
0
Frequency
−0.01278
−0.01277
−0.01276
−0.01275
−0.01274
−0.01273
−0.01272
Energy

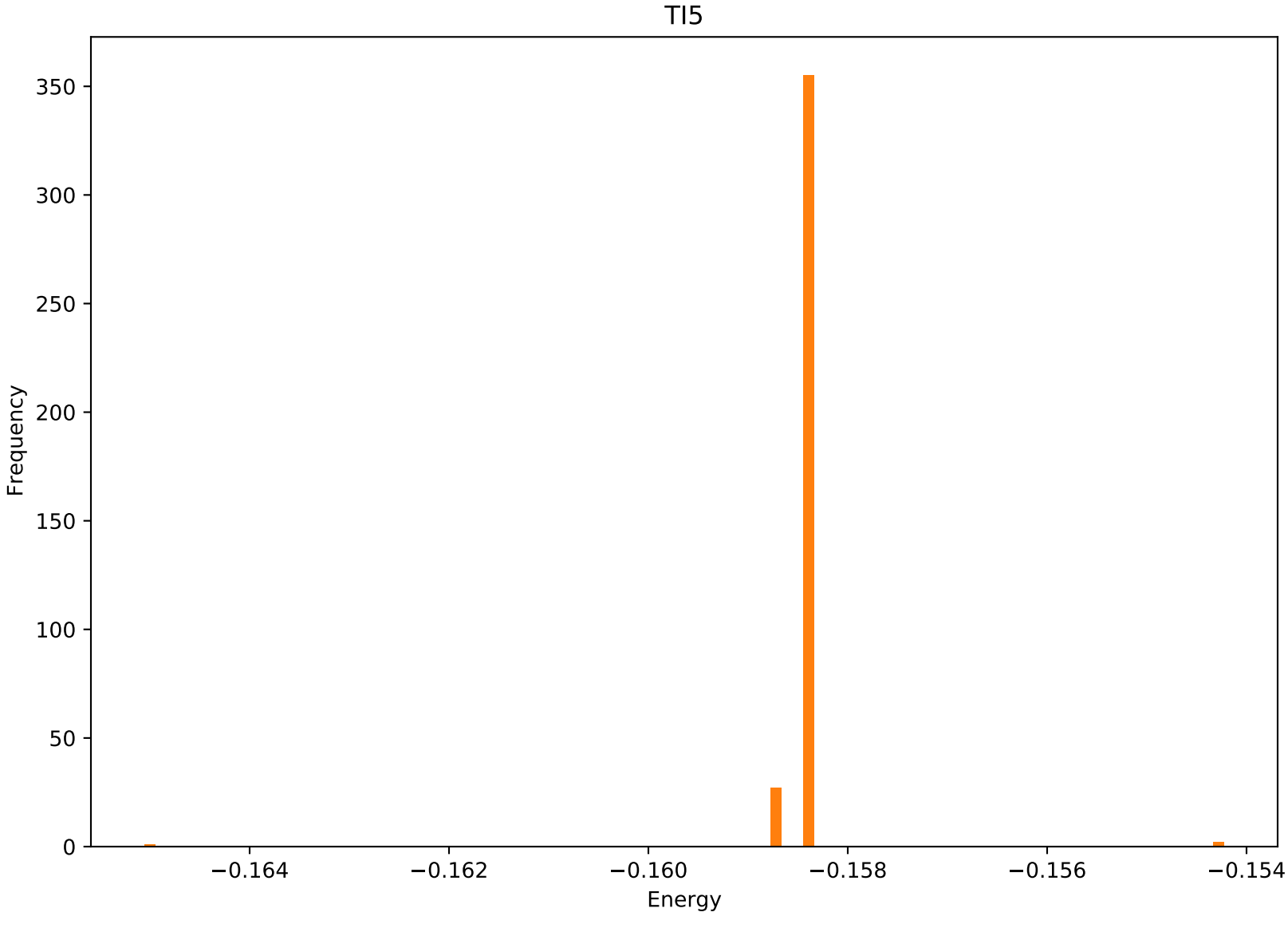

TG8
200
175
150
125
100
75
50
25
0
Frequency
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
Energy
1e−8−3.3547e−3

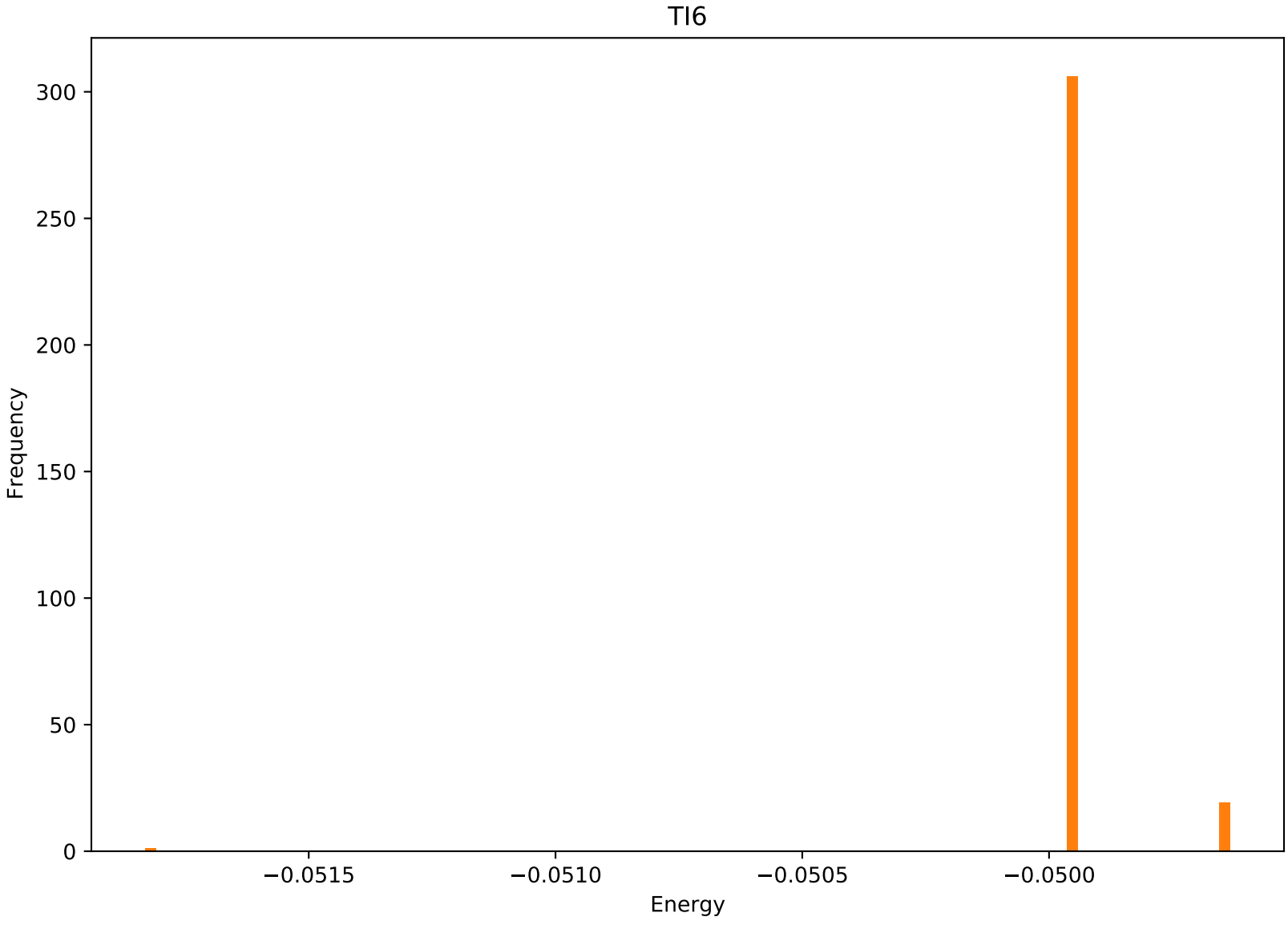

TI1
Frequency
0
100
200
300
400
1.50
1.55
1.60
1.65
1.70
Energy
Baseline:

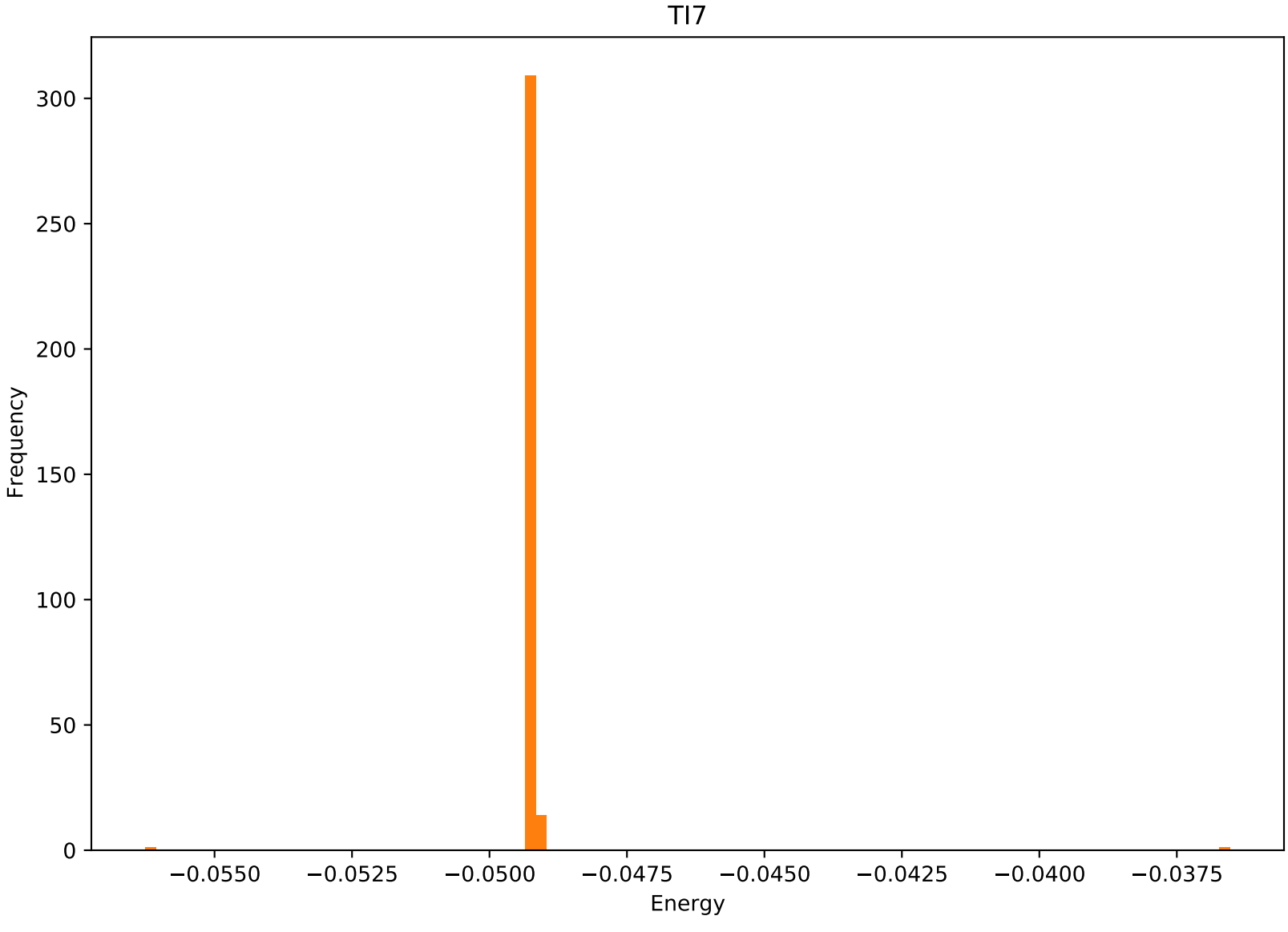

TI2
350
300
250
200
150
100
50
0
Frequency
−0.901
−0.900
−0.899
−0.898
−0.897
Energy

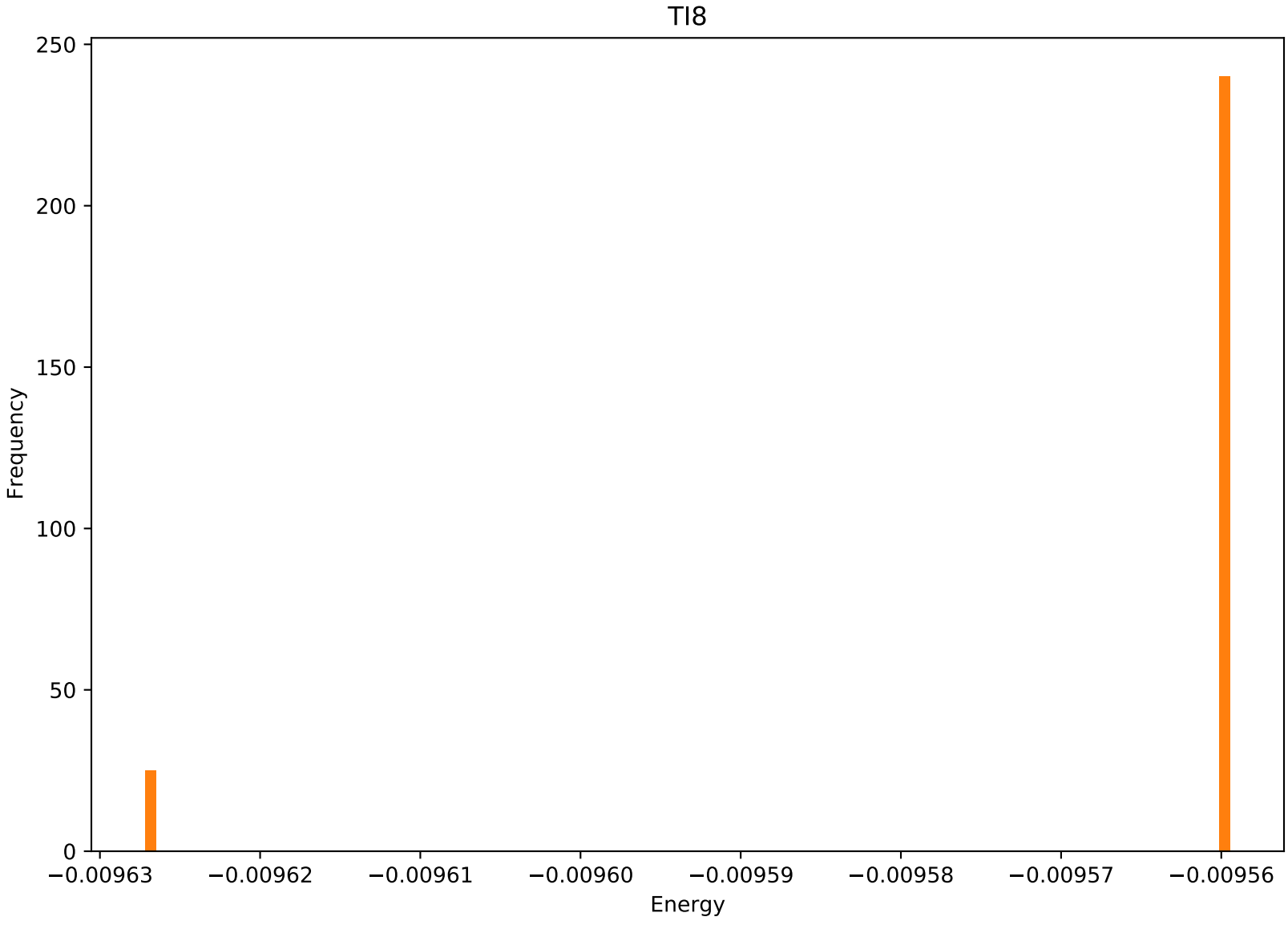

TI3
Frequency
400
350
300
250
200
150
100
50
0
−2.05
−2.00
−1.95
−1.90
−1.85
Energy
Baseline:
-1.77453

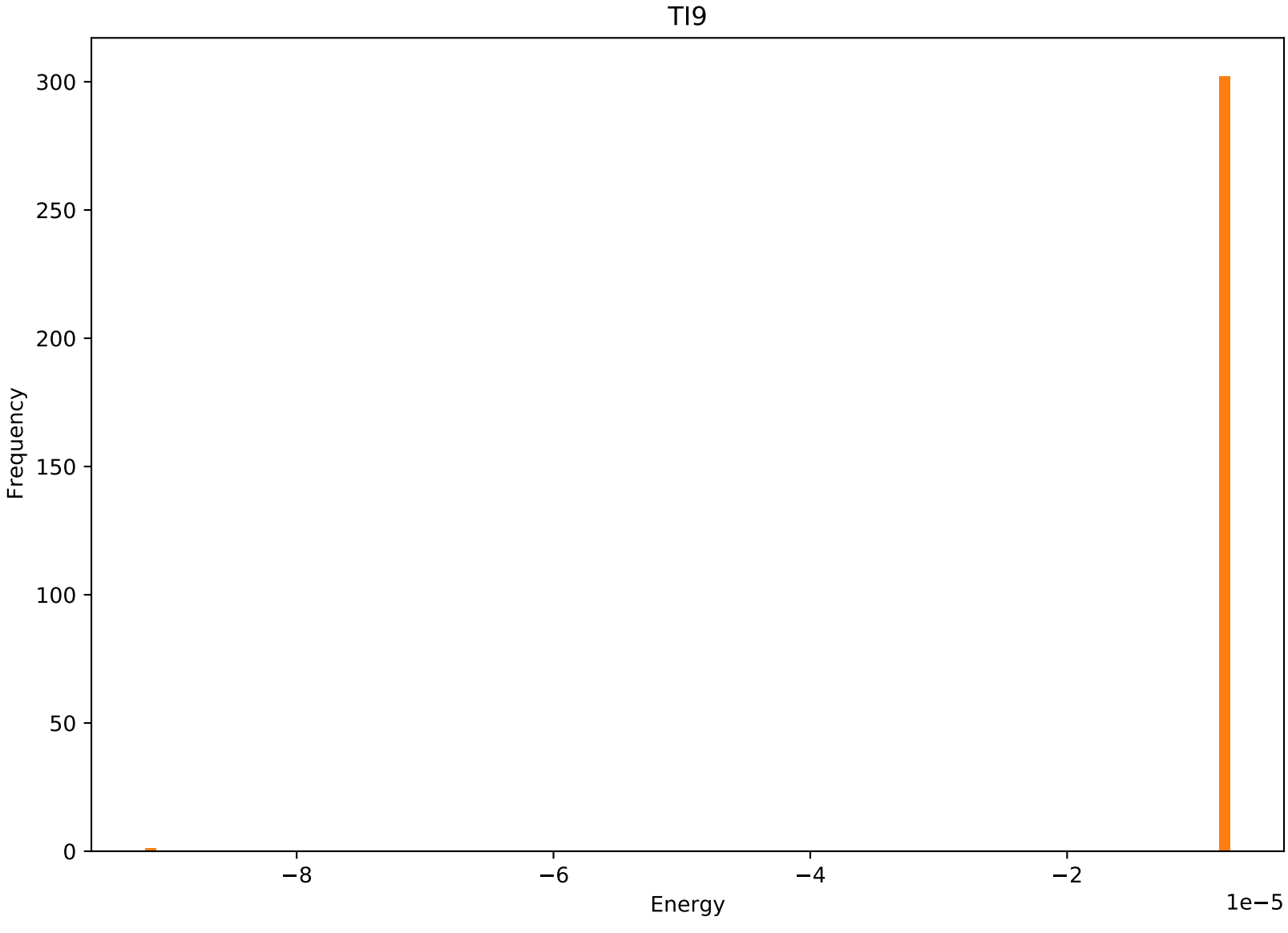

TI4
400
350
300
250
200
150
100
50
0
Frequency
−3.1
−3.0
−2.9
−2.8
Energy

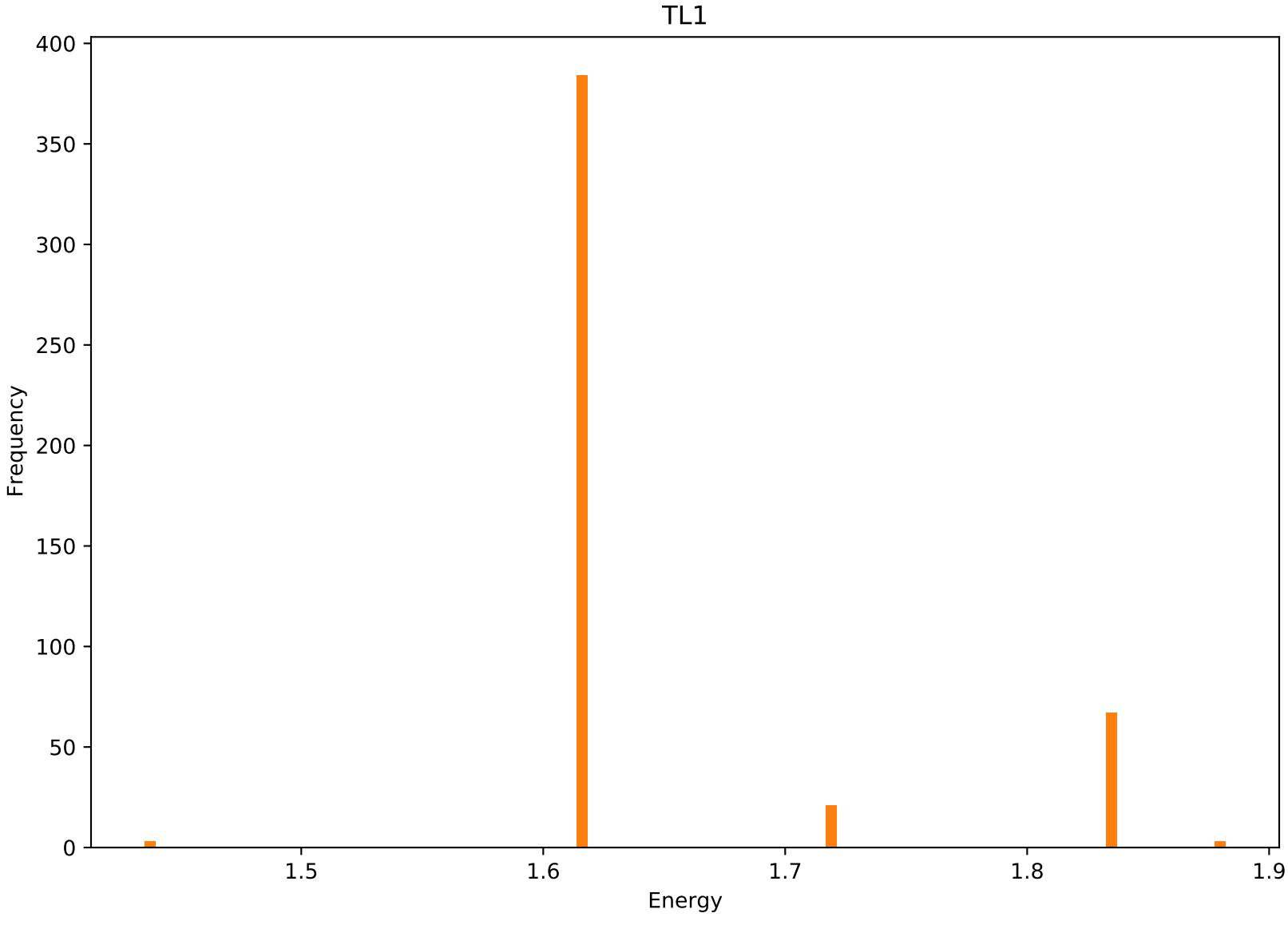

TI5
Frequency
Energy
0
50
100
150
200
250
300
350
−0.164
−0.162
−0.160
−0.158
−0.156
−0.154

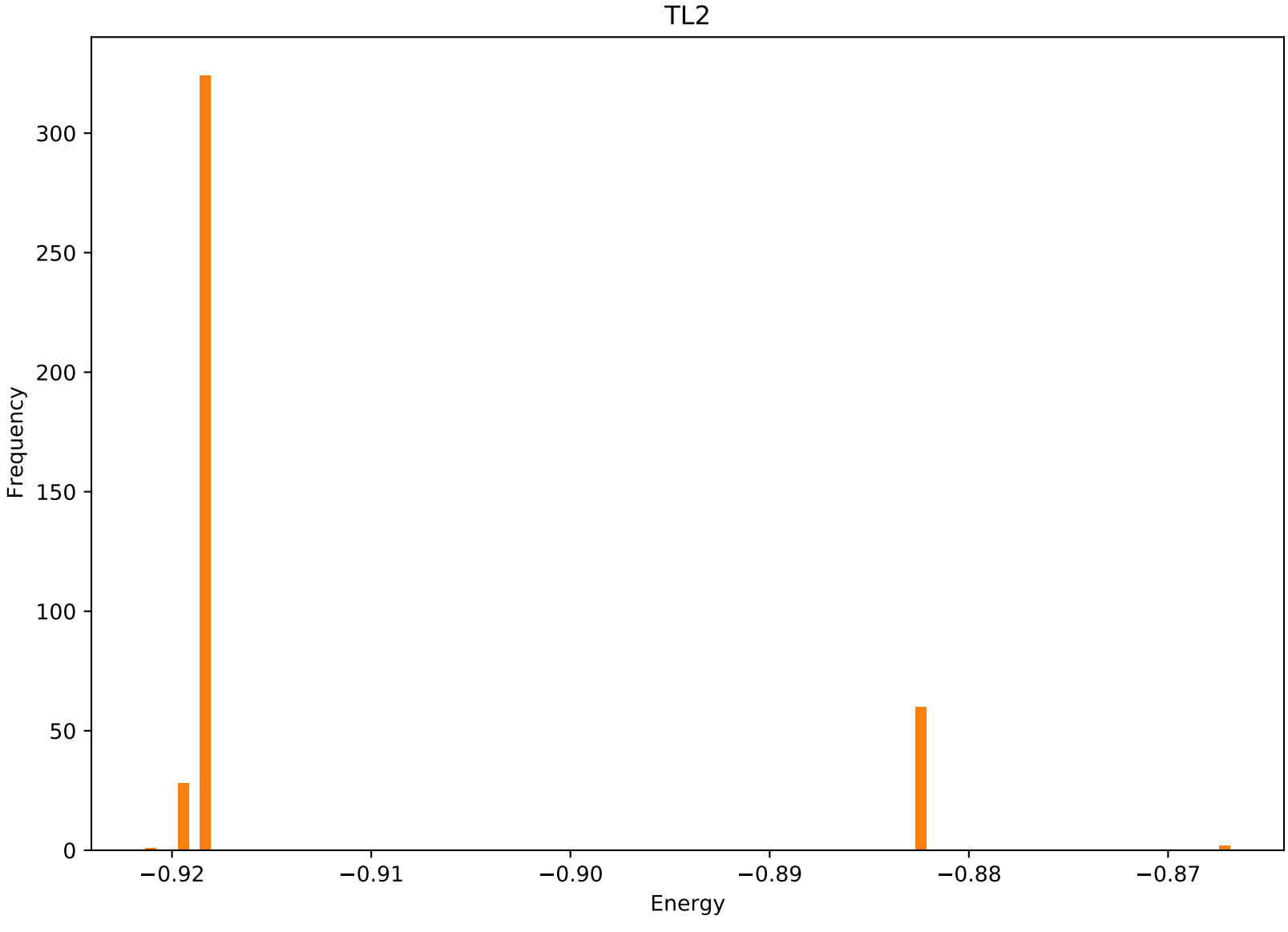

TI6
300
250
200
150
100
50
0
Frequency
−0.0515
−0.0510
−0.0505
−0.0500
Energy

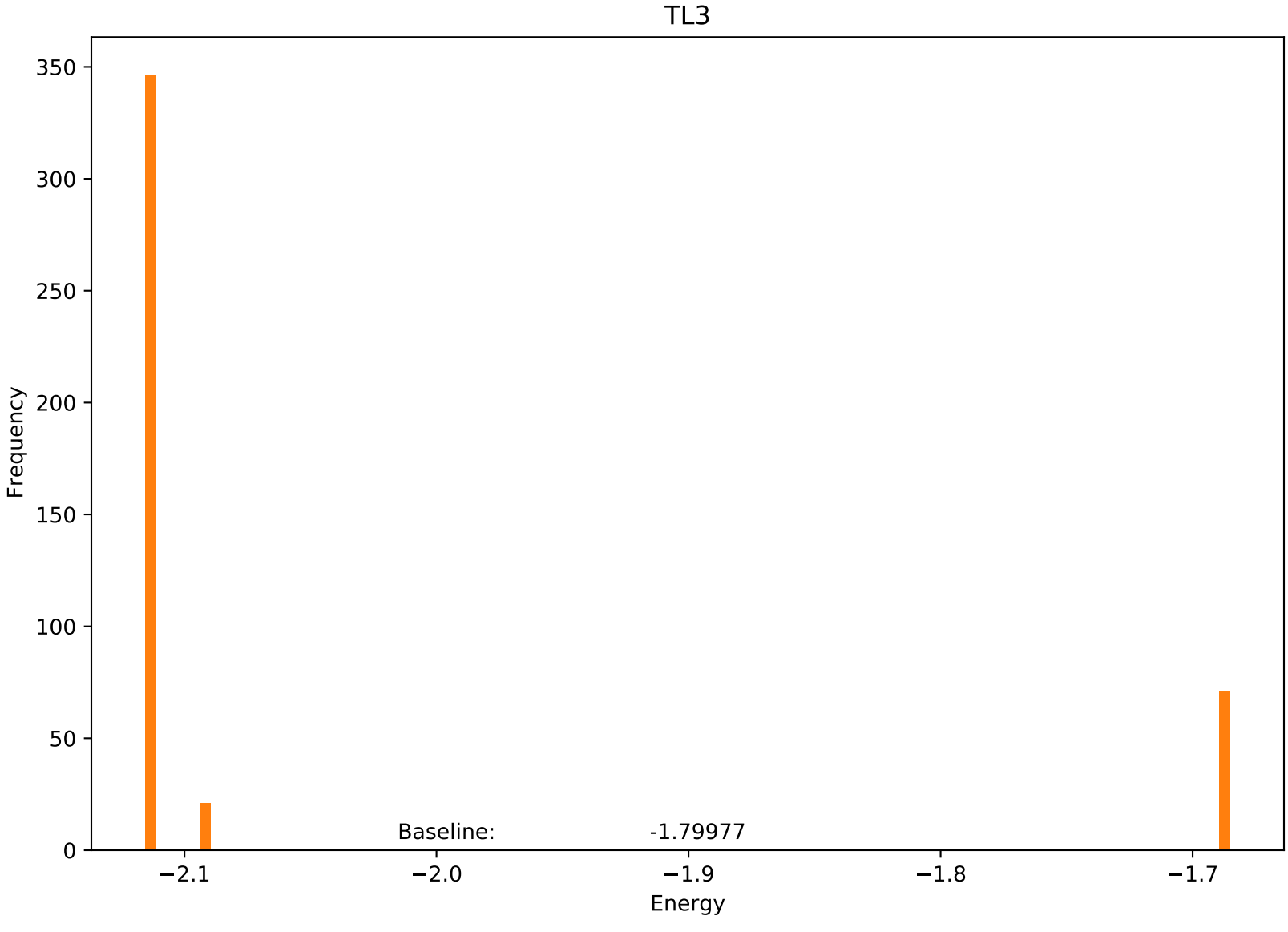

TI7
Frequency
300
250
200
150
100
50
0
−0.0550
−0.0525
−0.0500
−0.0475
−0.0450
−0.0425
−0.0400
−0.0375
Energy

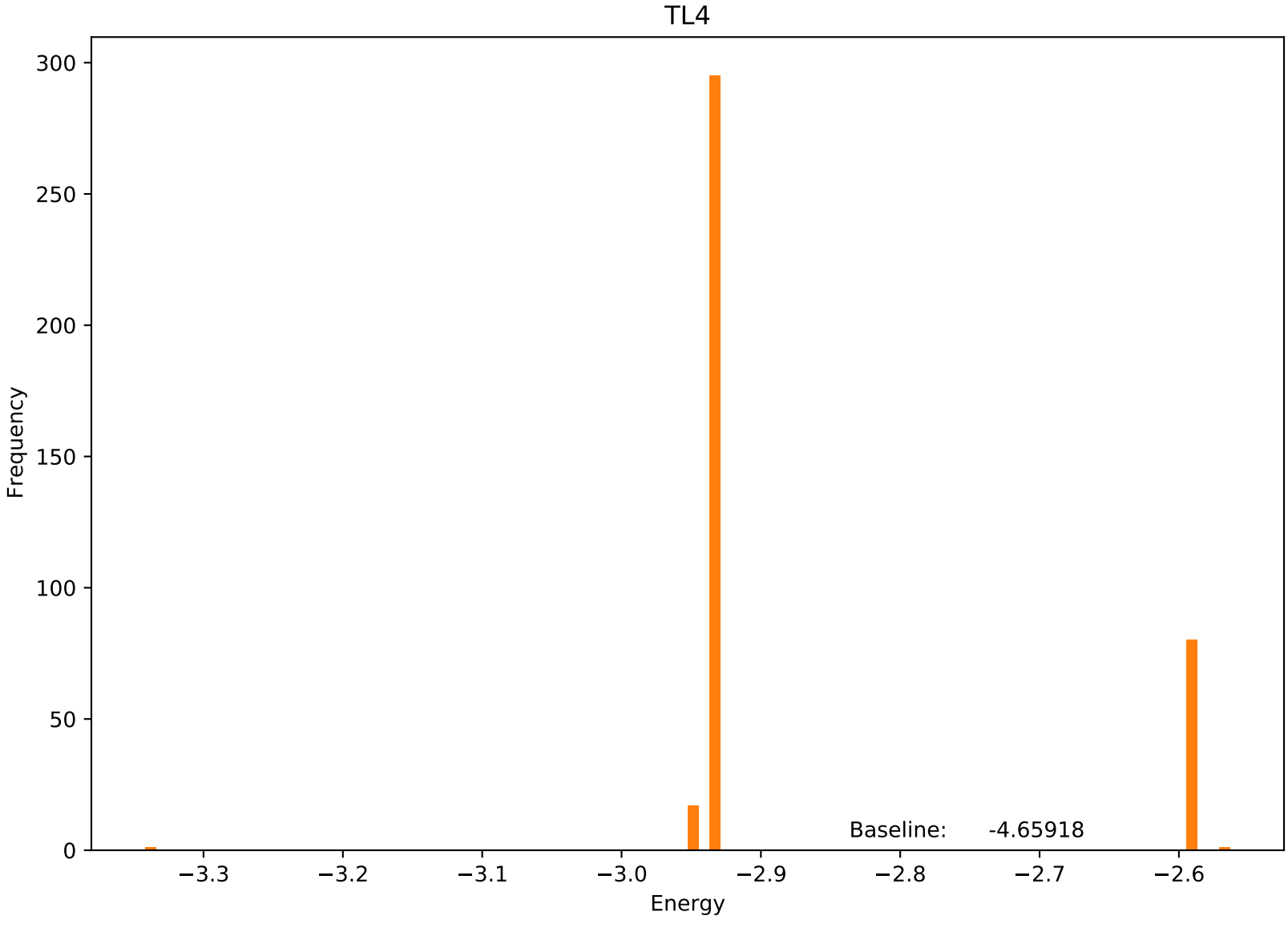

TI8
250
200
150
100
50
0
Frequency
−0.00963
−0.00962
−0.00961
−0.00960
−0.00959
−0.00958
−0.00957
−0.00956
Energy

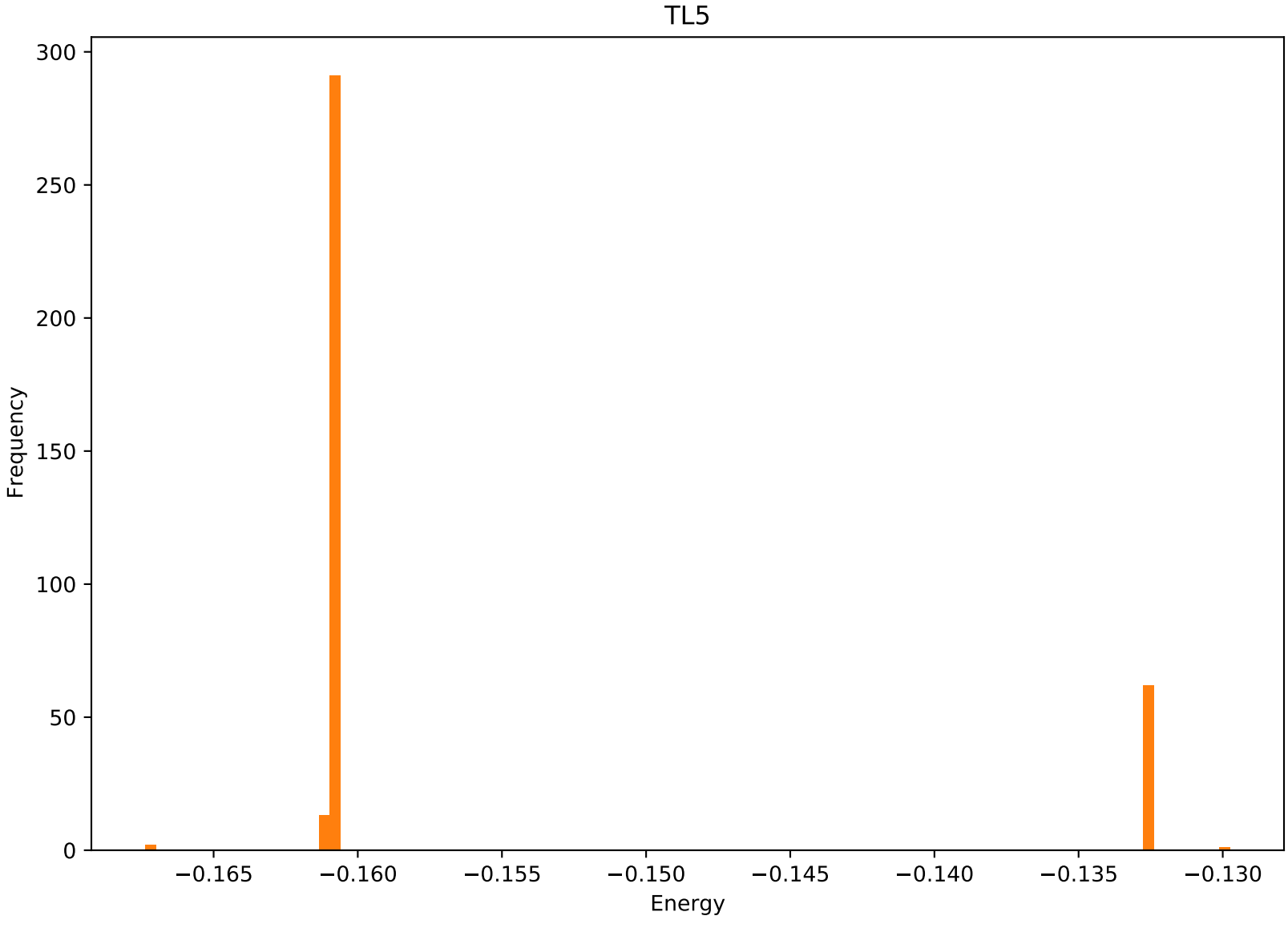

TI9
300
250
200
150
100
50
0
Frequency
−8
−6
−4
−2
Energy
1e−5

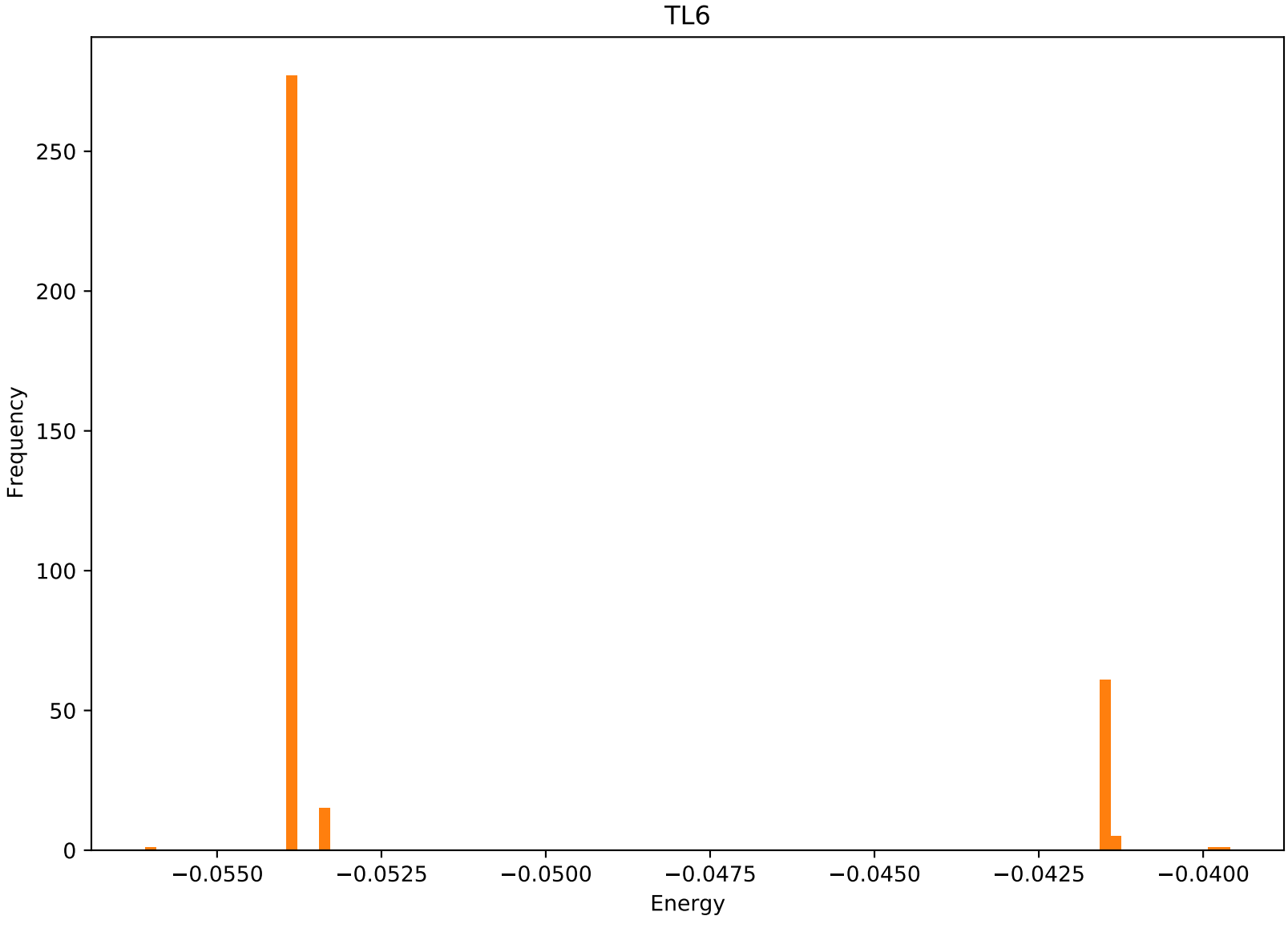

TL1
400
350
300
250
200
150
100
50
0
Frequency
1.5
1.6
1.7
1.8
1.9
Energy

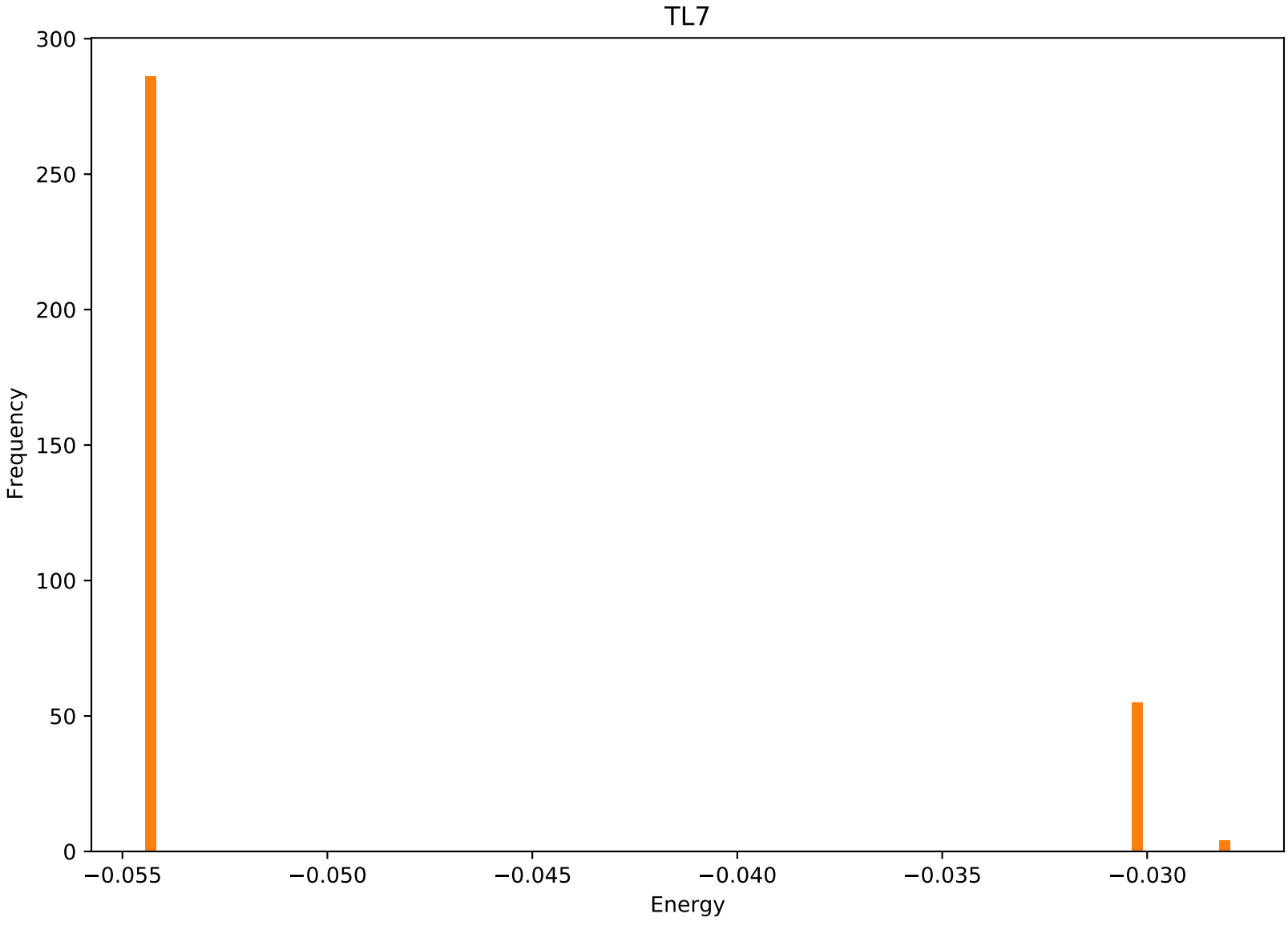

TL2
Frequency
300
250
200
150
100
50
0
−0.92
−0.91
−0.90
−0.89
−0.88
−0.87
Energy

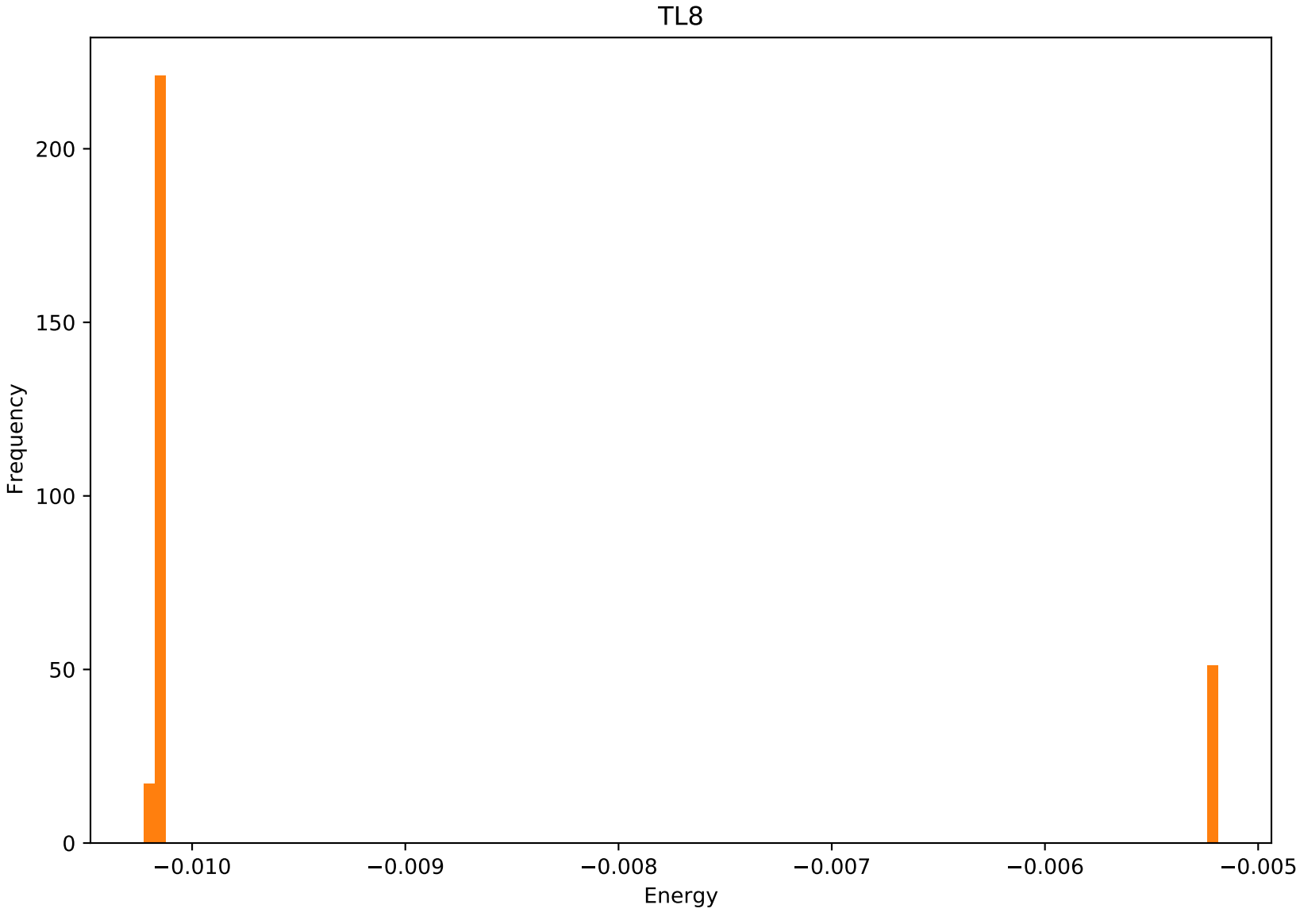

TL3
Frequency
350
300
250
200
150
100
50
0
Baseline:
-1.79977
−2.1
−2.0
−1.9
−1.8
−1.7
Energy

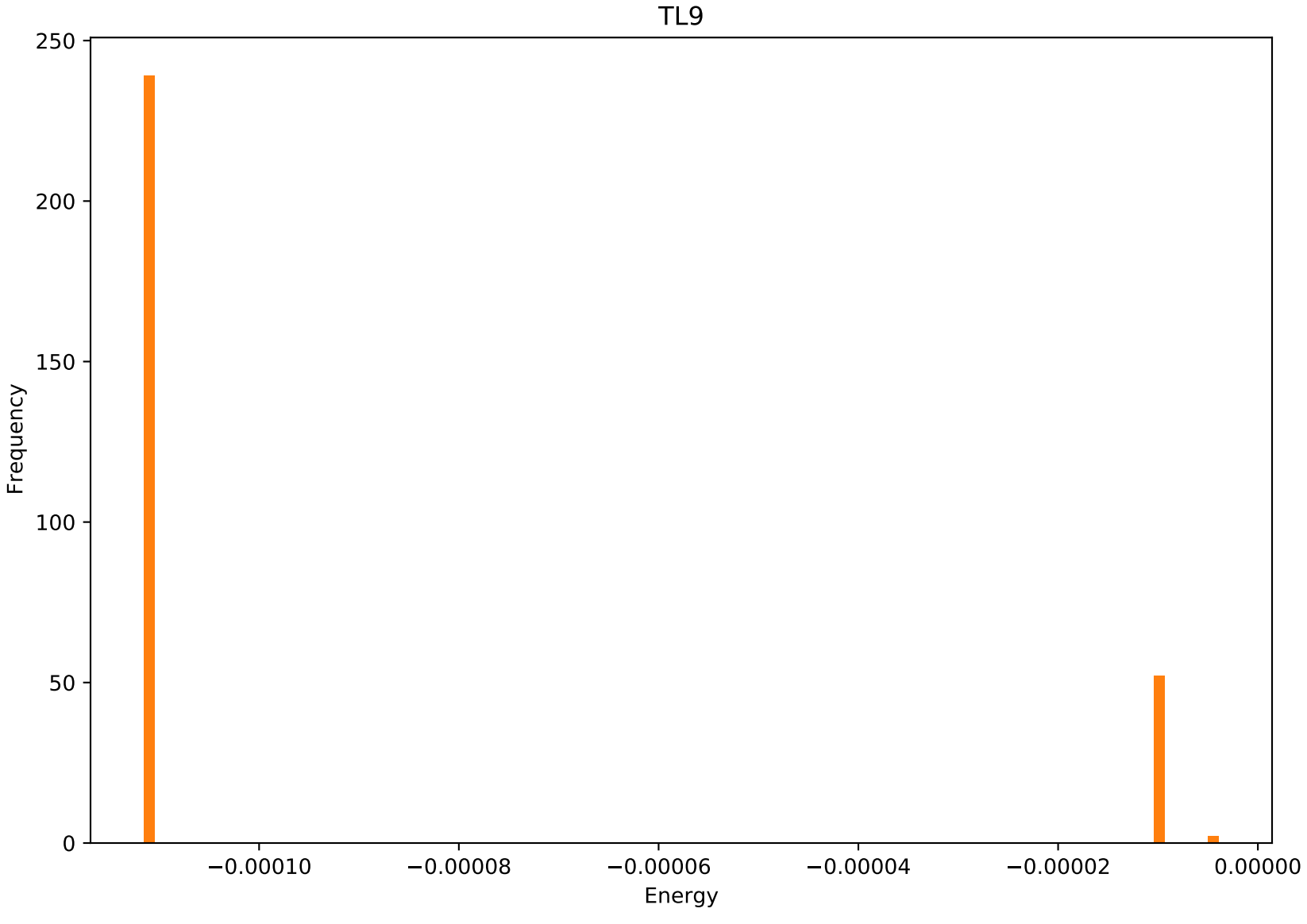

TL4
Frequency
Energy
Baseline: -4.65918
300
250
200
150
100
50
0
−3.3
−3.2
−3.1
−3.0
−2.9
−2.8
−2.7
−2.6

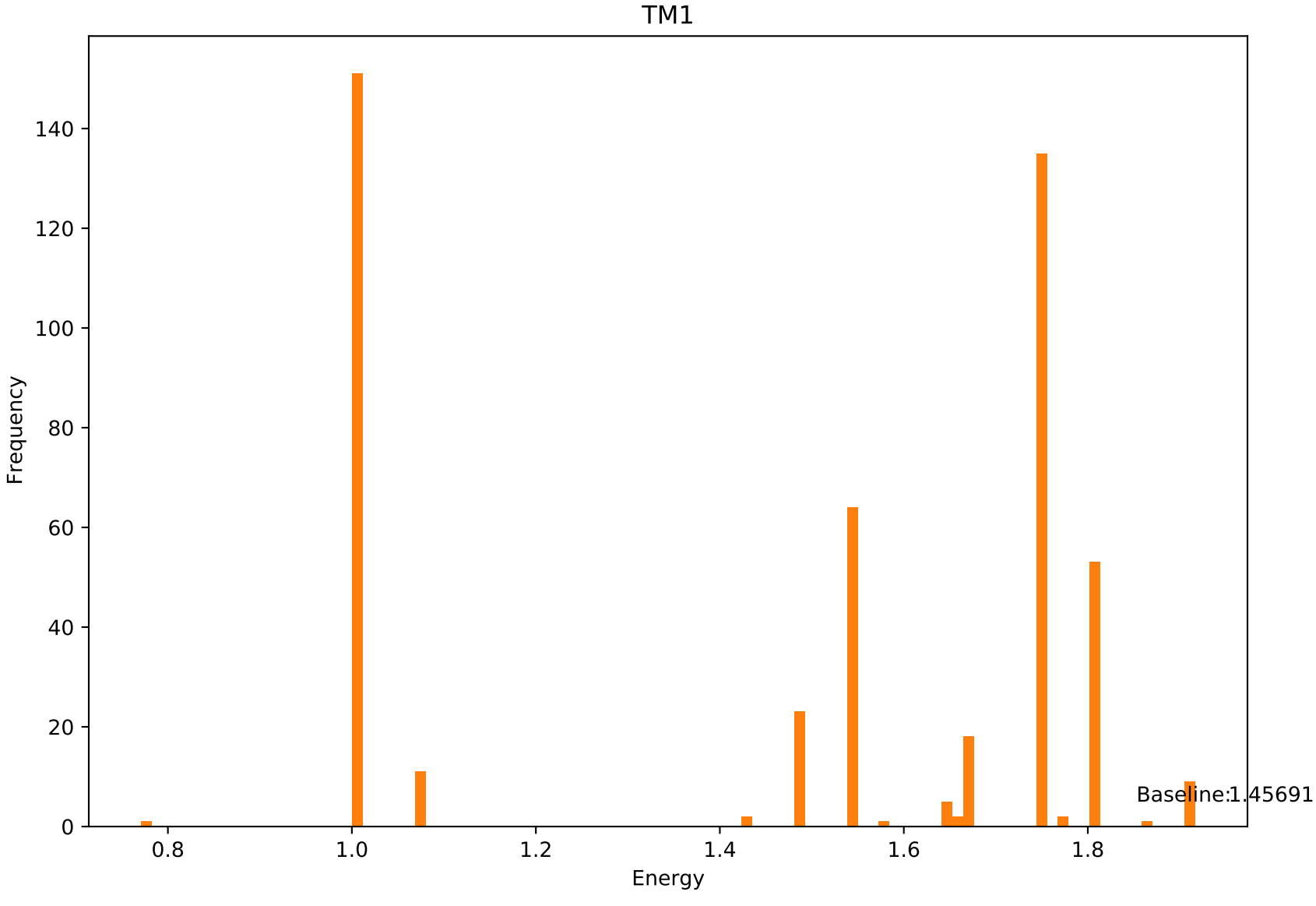

TL5
300
250
200
150
100
50
0
Frequency
−0.165
−0.160
−0.155
−0.150
−0.145
−0.140
−0.135
−0.130
Energy

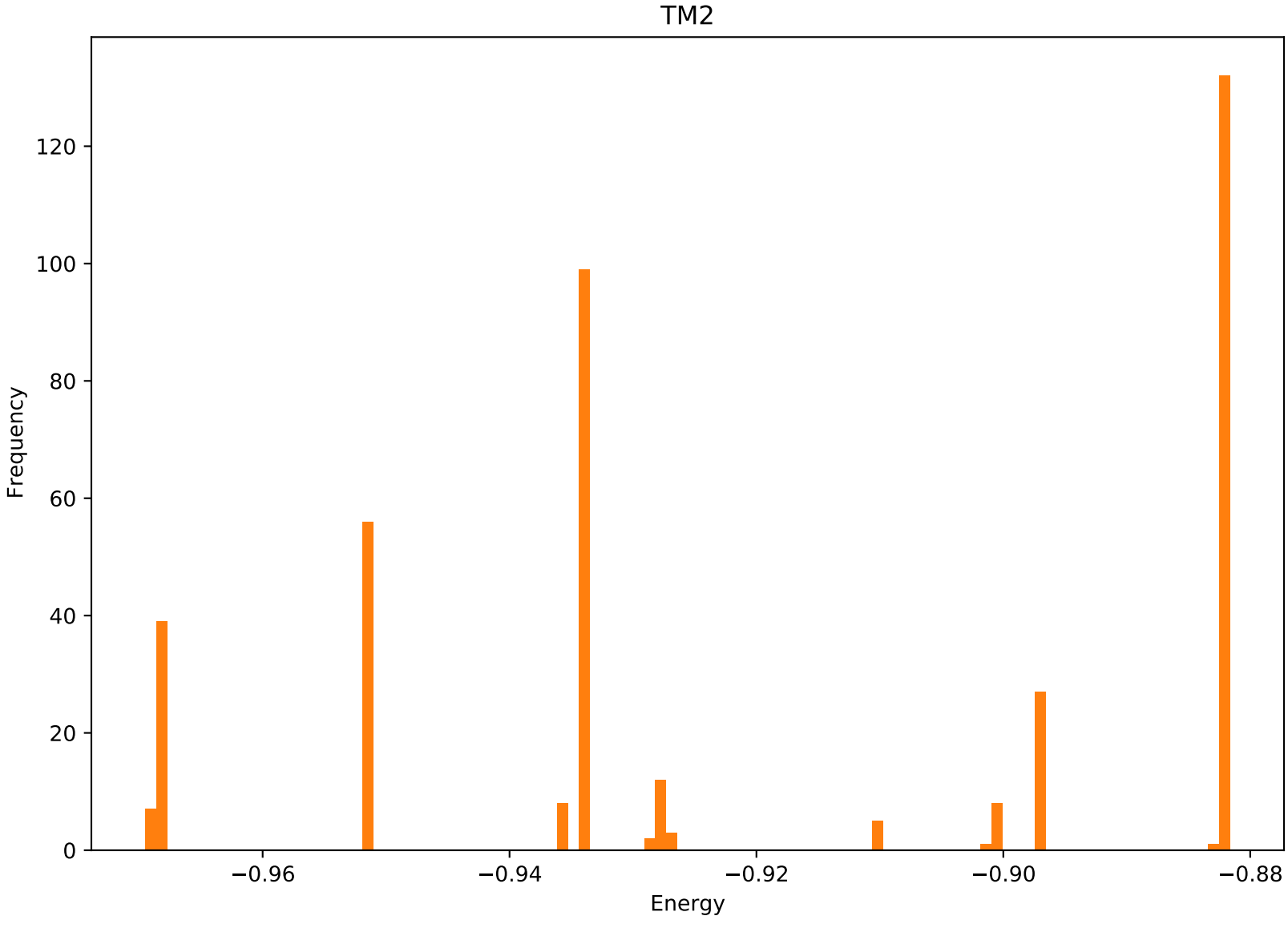

TL6
Frequency
250
200
150
100
50
0
−0.0550
−0.0525
−0.0500
−0.0475
−0.0450
−0.0425
−0.0400
Energy

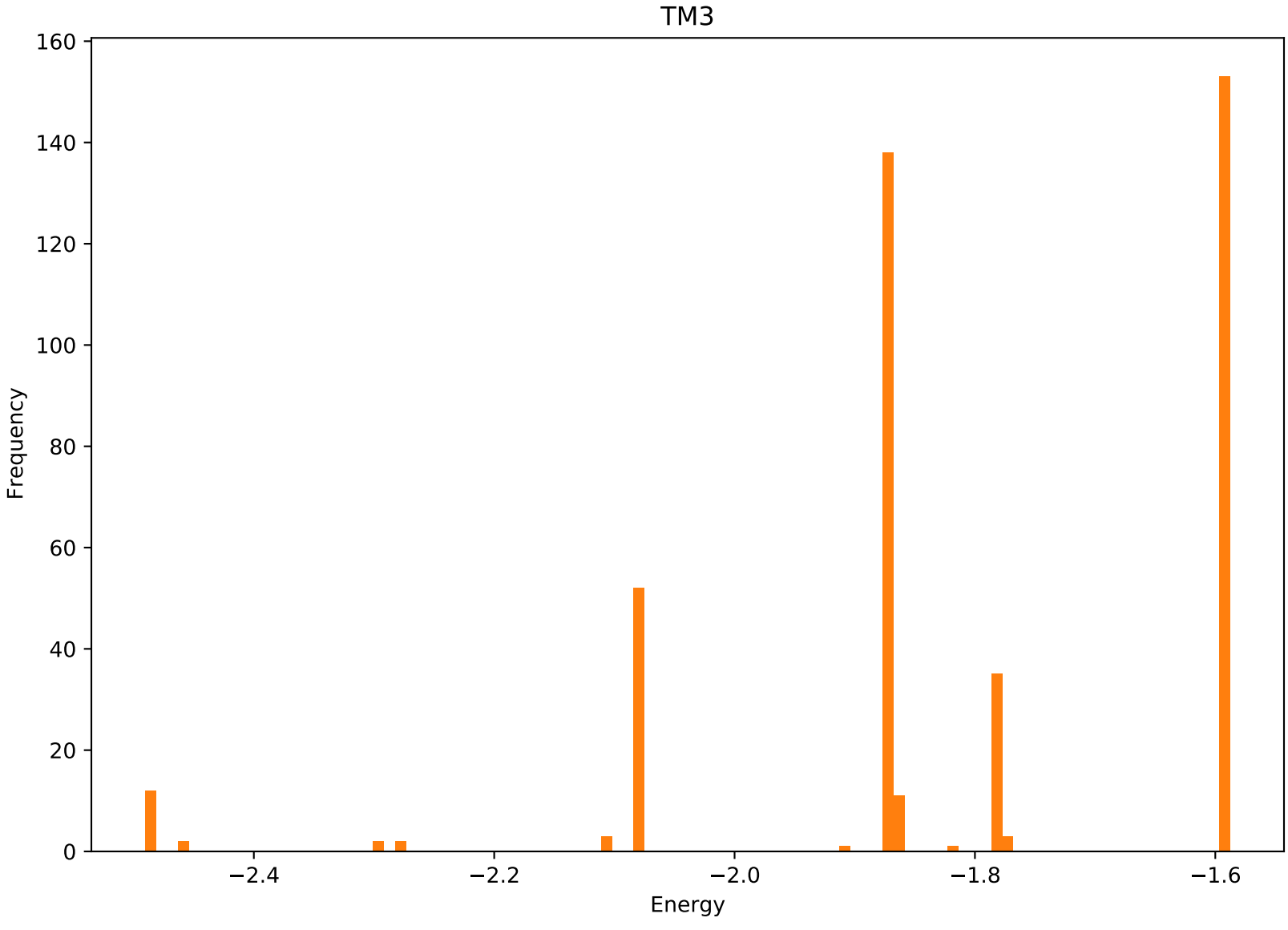

TL7
300
250
200
150
100
50
0
Frequency
−0.055
−0.050
−0.045
−0.040
−0.035
−0.030
Energy

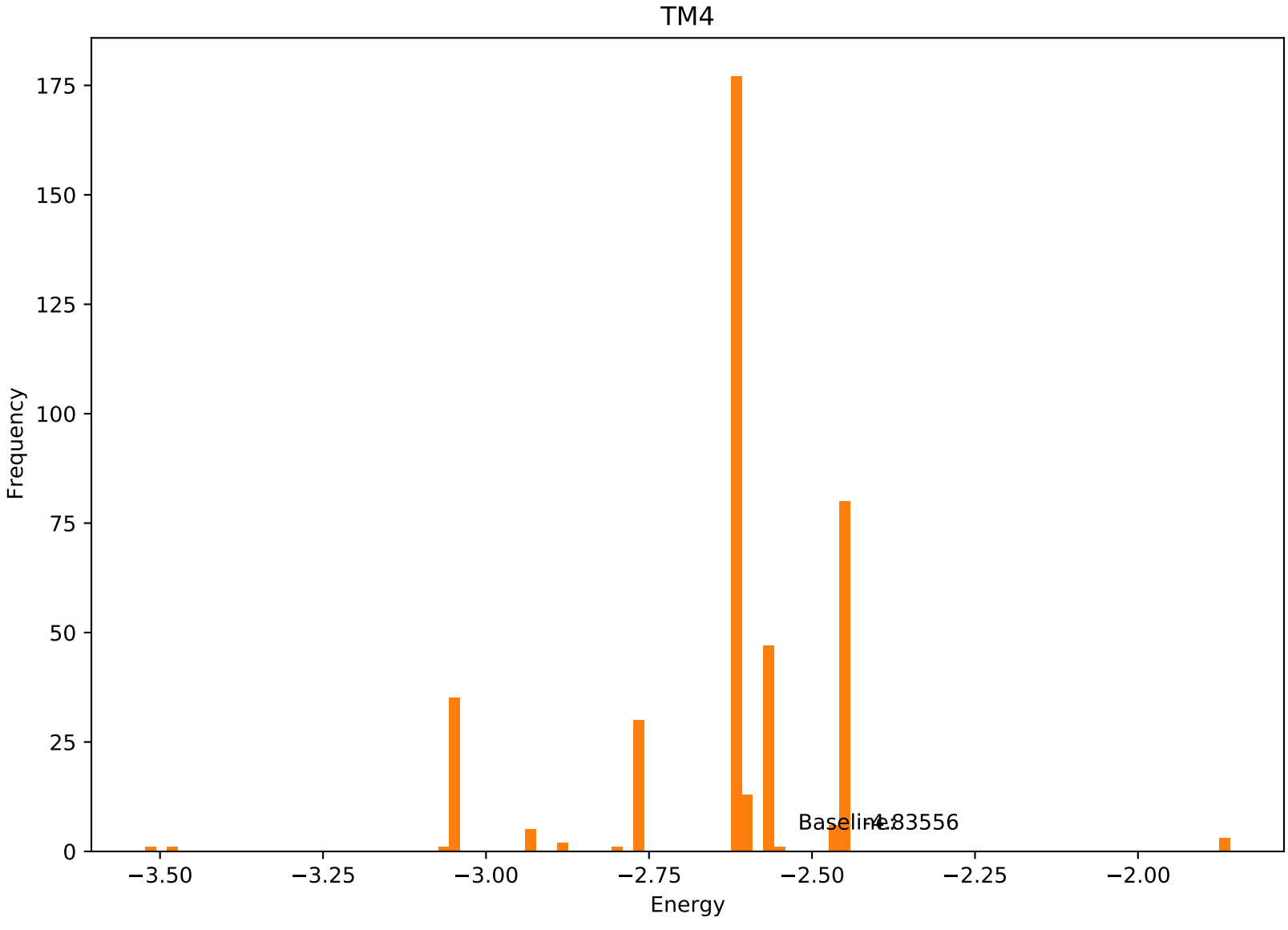

TL8
Frequency
200
150
100
50
0
−0.010
−0.009
−0.008
−0.007
−0.006
−0.005
Energy

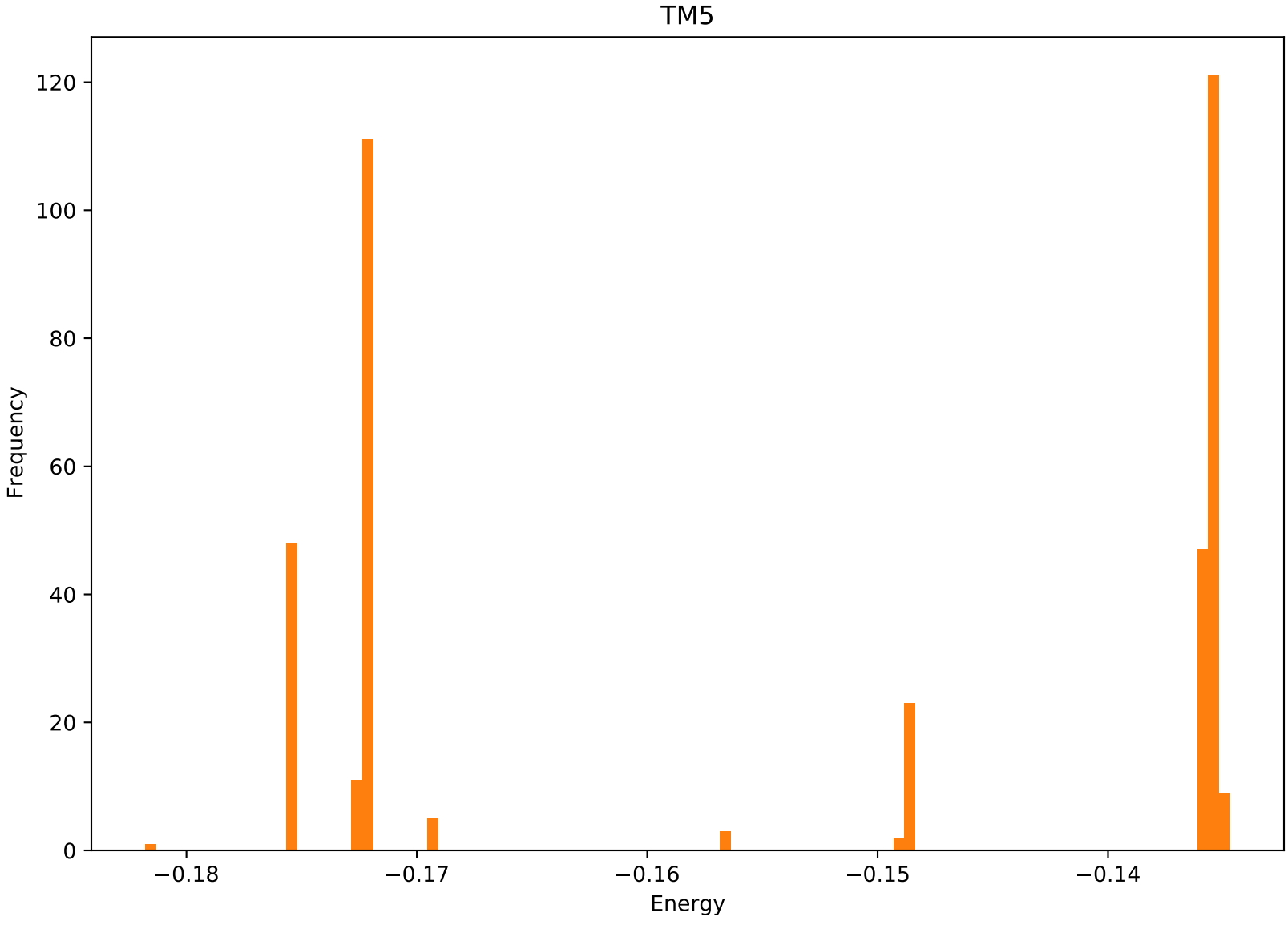

TL9
250
200
150
100
50
0
Frequency
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

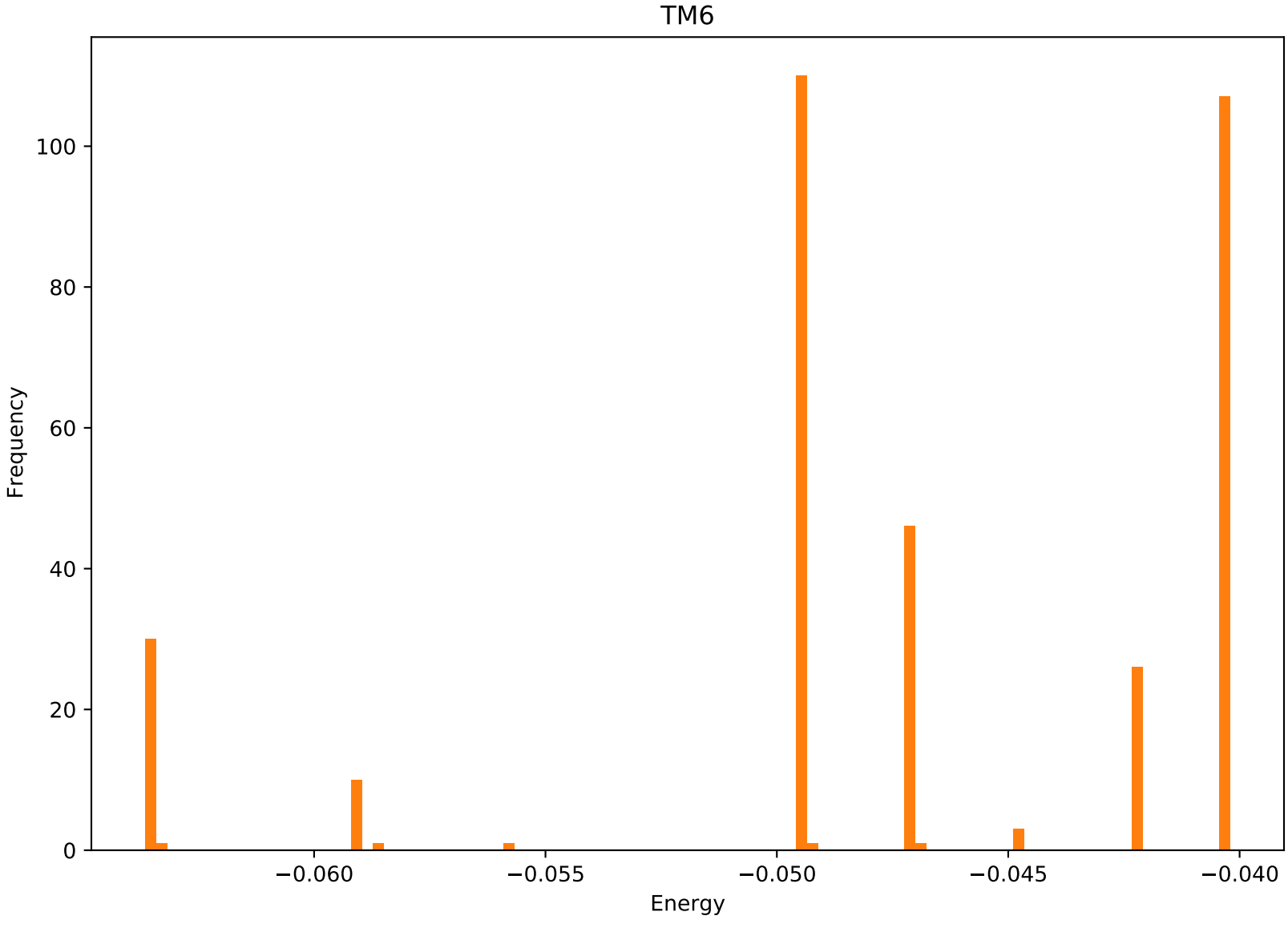

TM1
Frequency
Energy
0
20
40
60
80
100
120
140
0.8
1.0
1.2
1.4
1.6
1.8
Baseline:1.45691

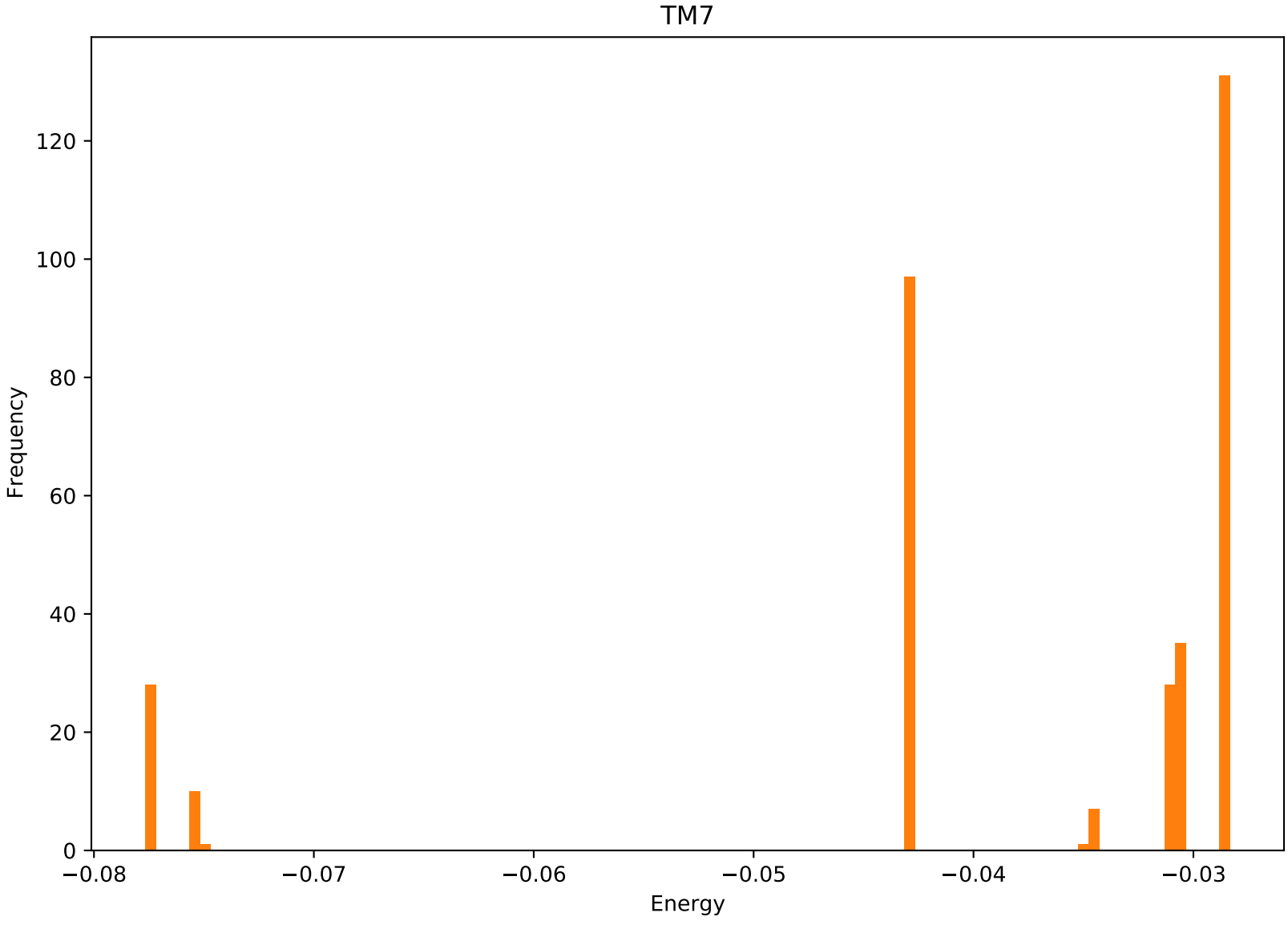

TM2
Frequency
120
100
80
60
40
20
0
−0.96
−0.94
−0.92
−0.90
−0.88
Energy

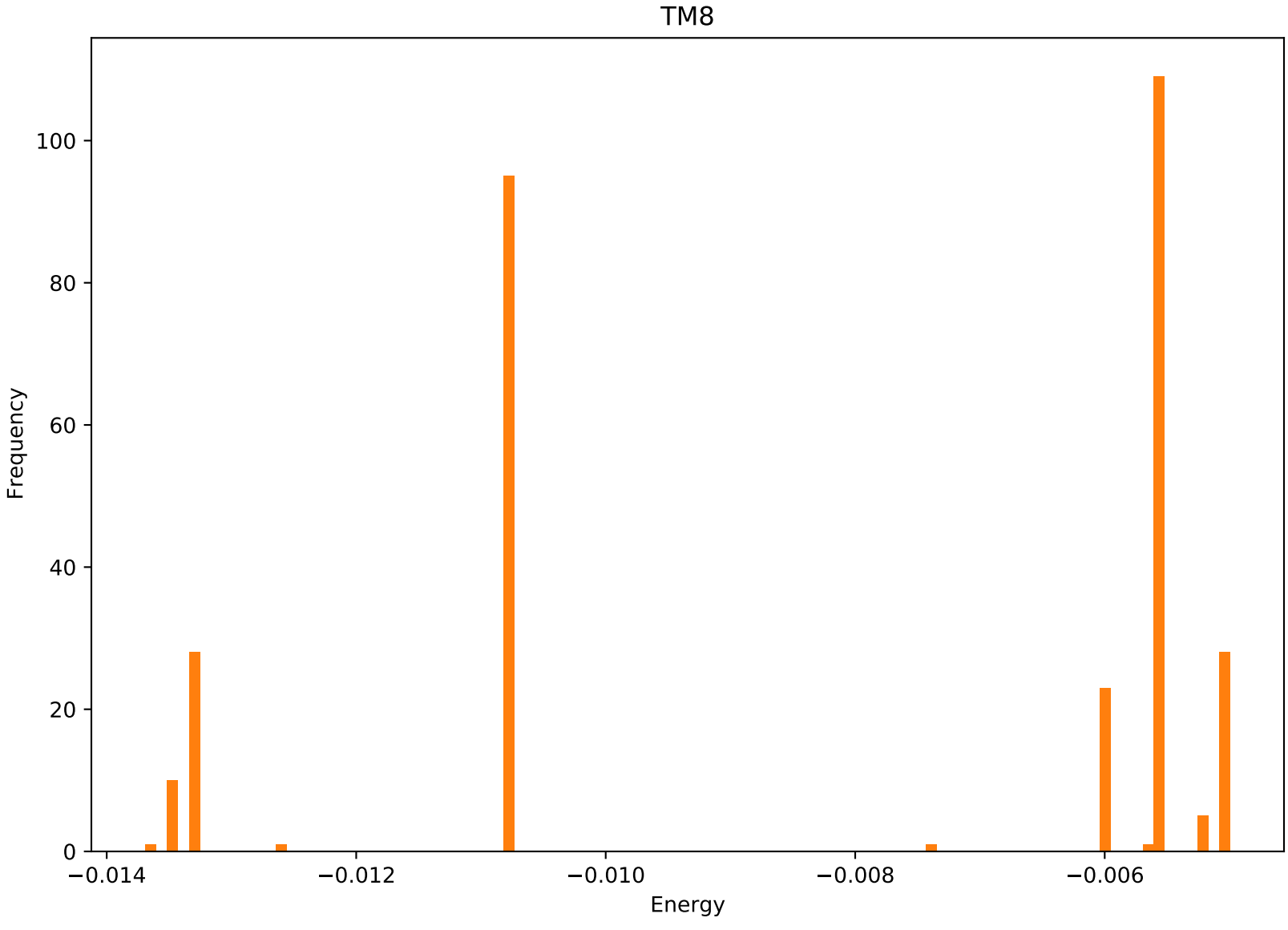

TM3
160
140
120
100
80
60
40
20
0
Frequency
−2.4
−2.2
−2.0
−1.8
−1.6
Energy

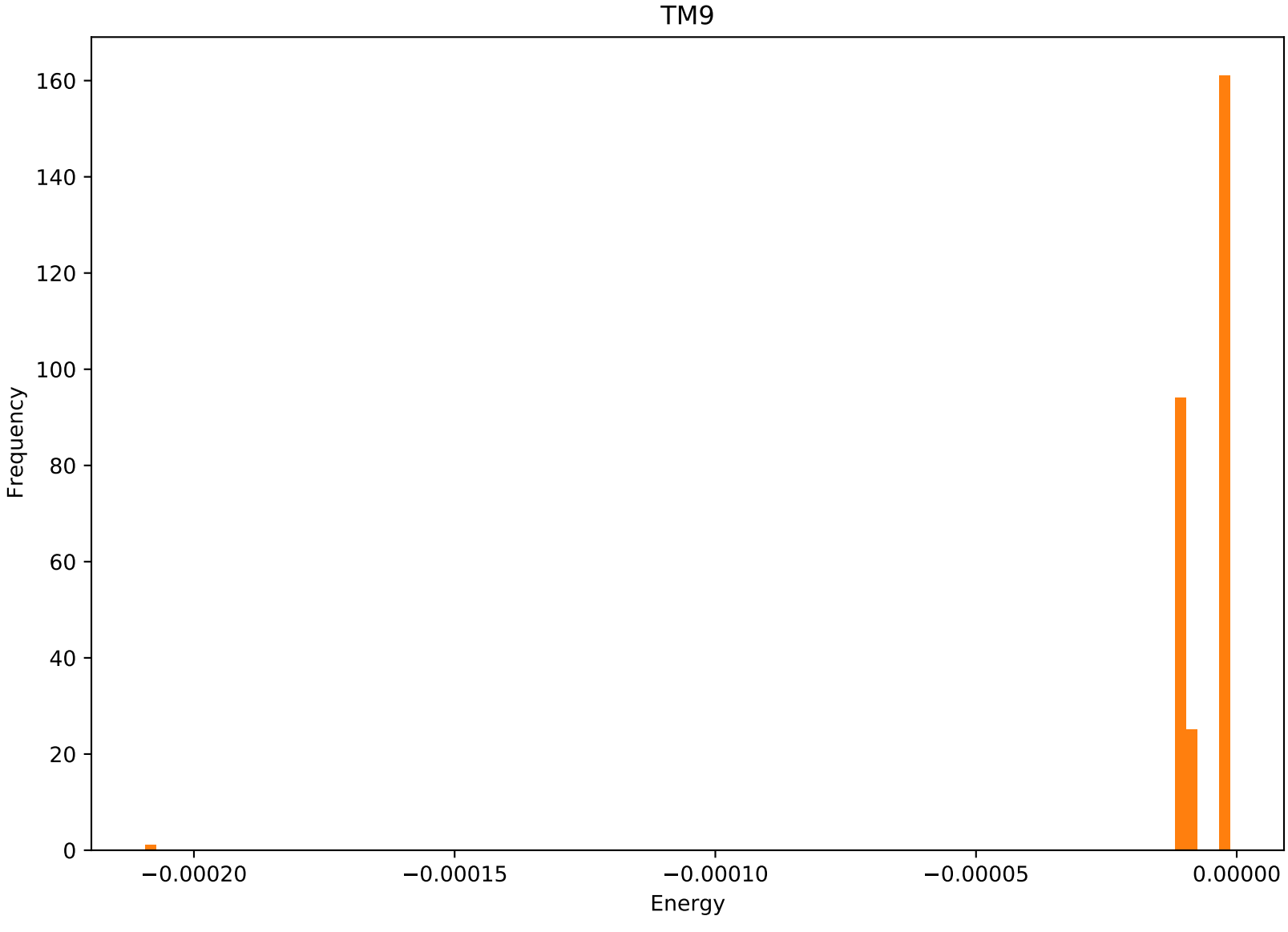

TM4
Frequency
Energy
Baseline: -2.83556
175
150
125
100
75
50
25
0
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00

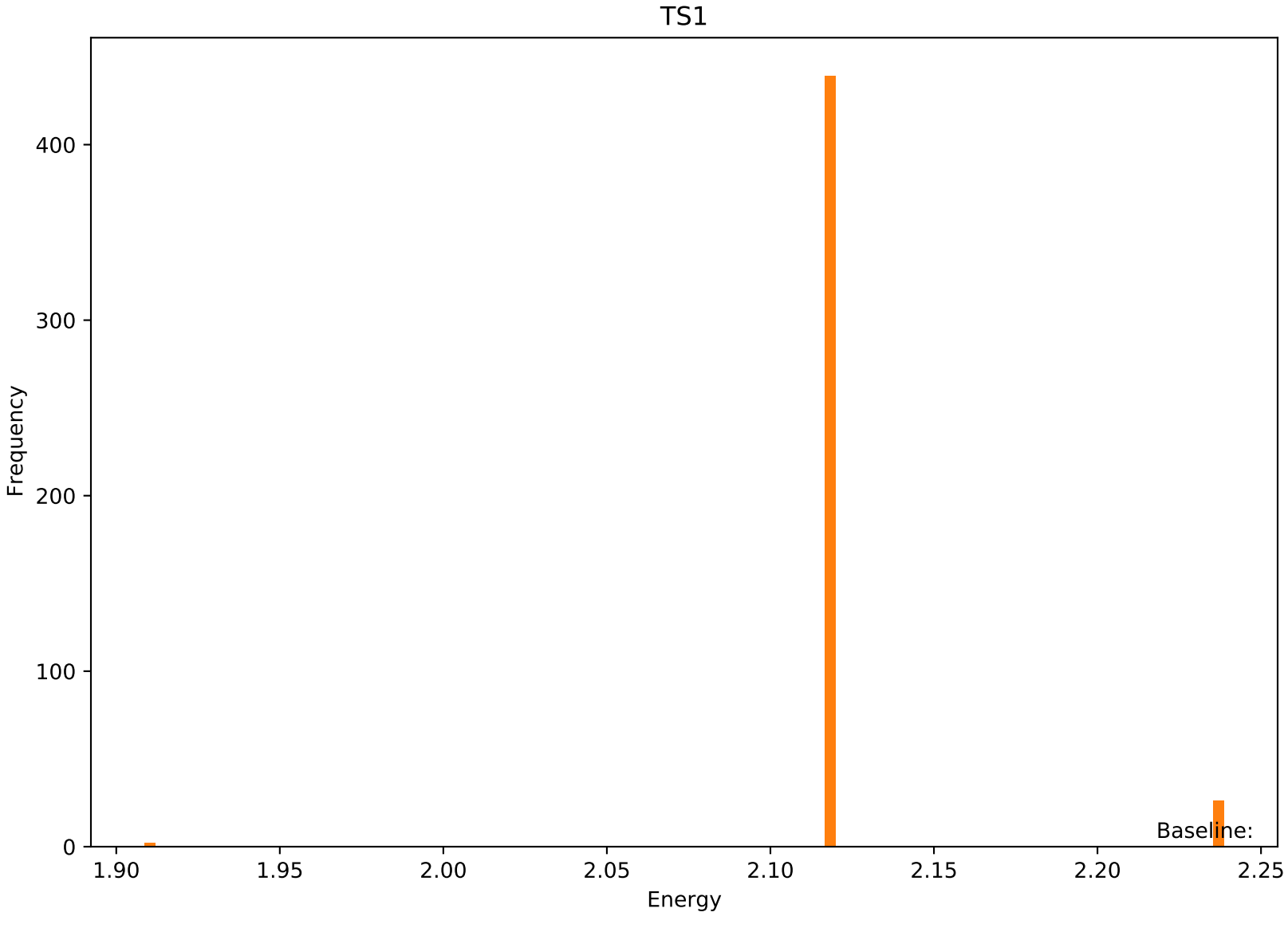

TM5
Frequency
Energy
0
20
40
60
80
100
120
−0.18
−0.17
−0.16
−0.15
−0.14

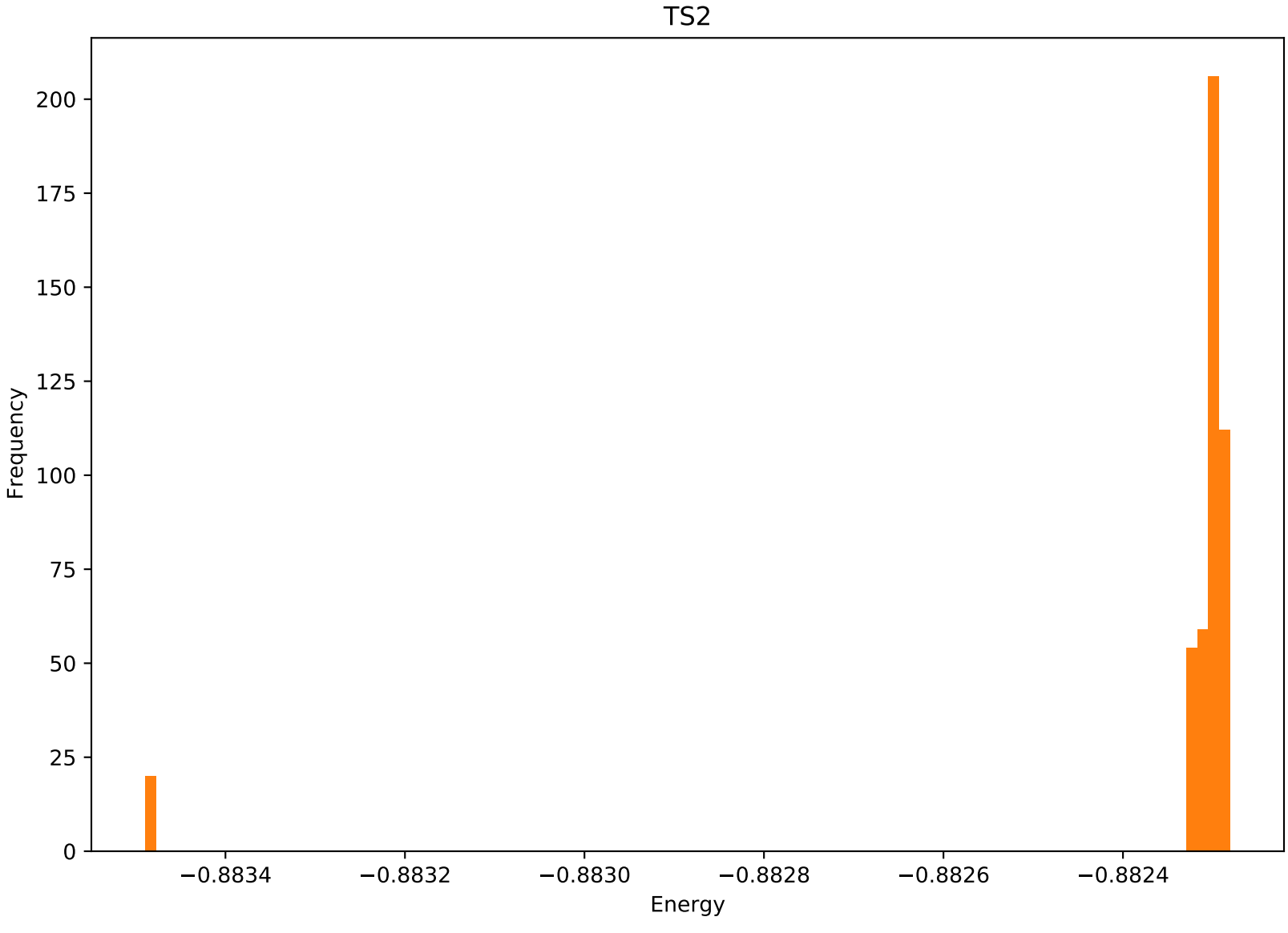

TM6
Frequency
0
20
40
60
80
100
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

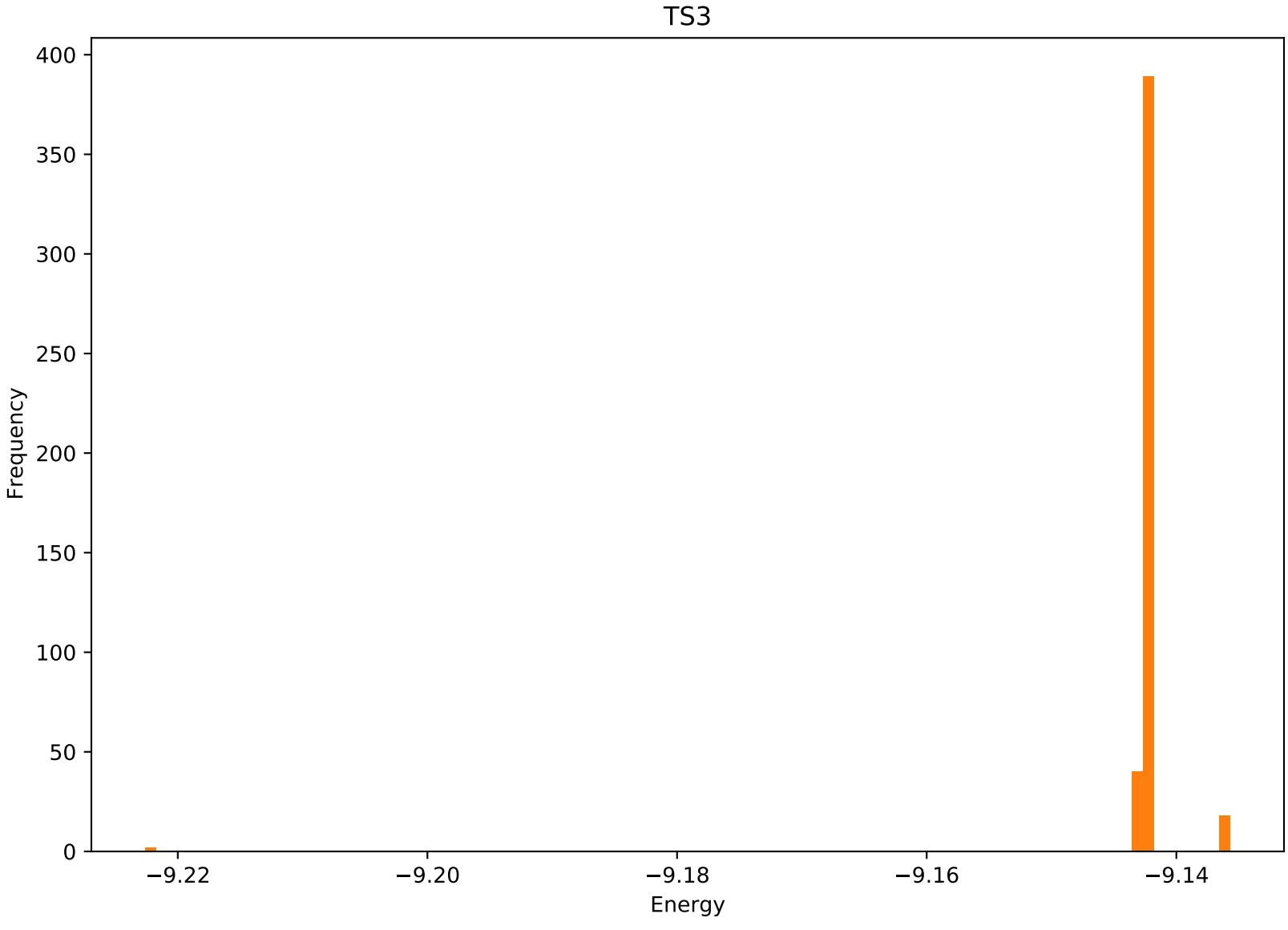

TM7
Frequency
Energy
0
20
40
60
80
100
120
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03

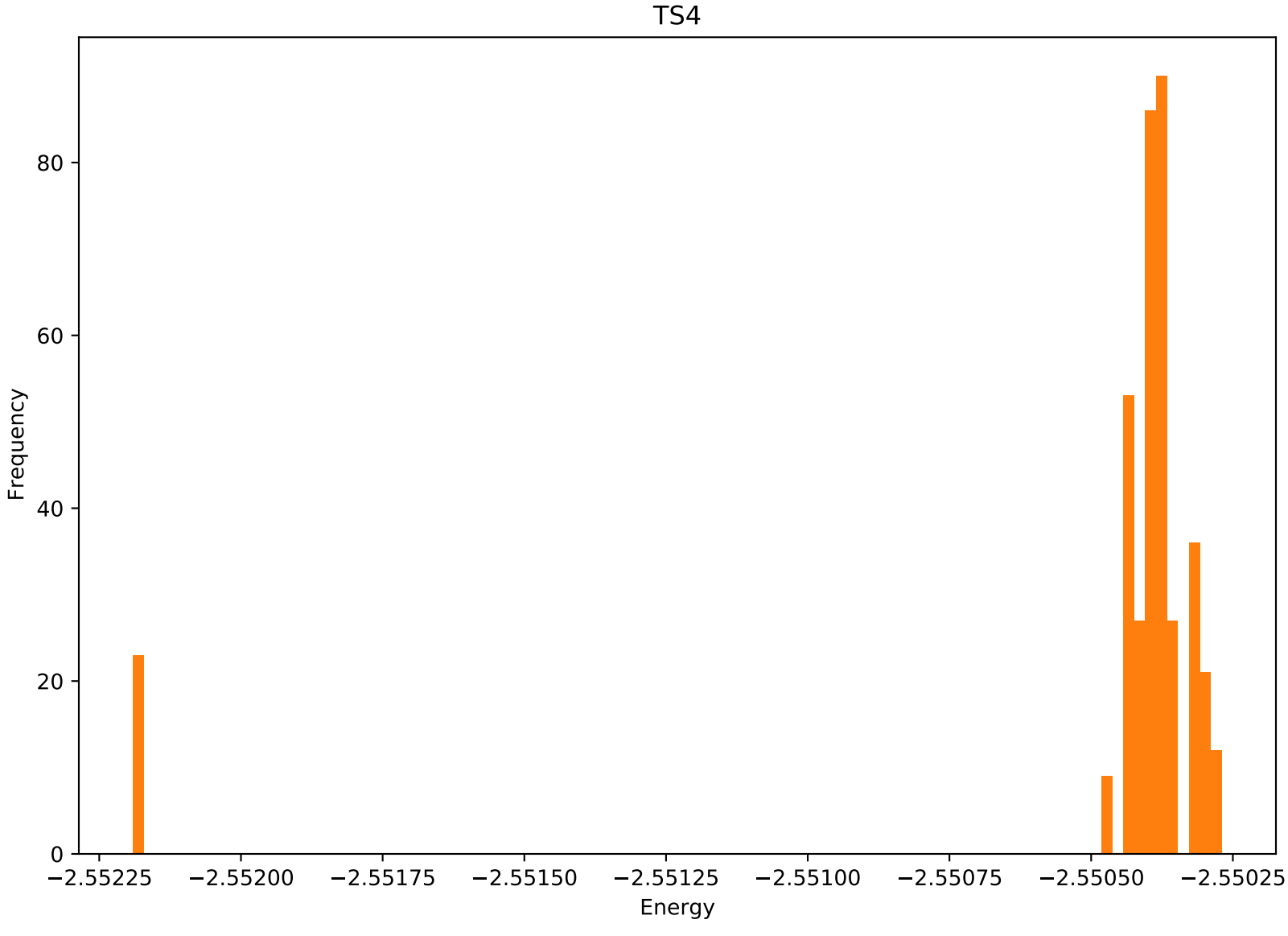

TM8
Frequency
Energy
0
20
40
60
80
100
−0.014
−0.012
−0.010
−0.008
−0.006

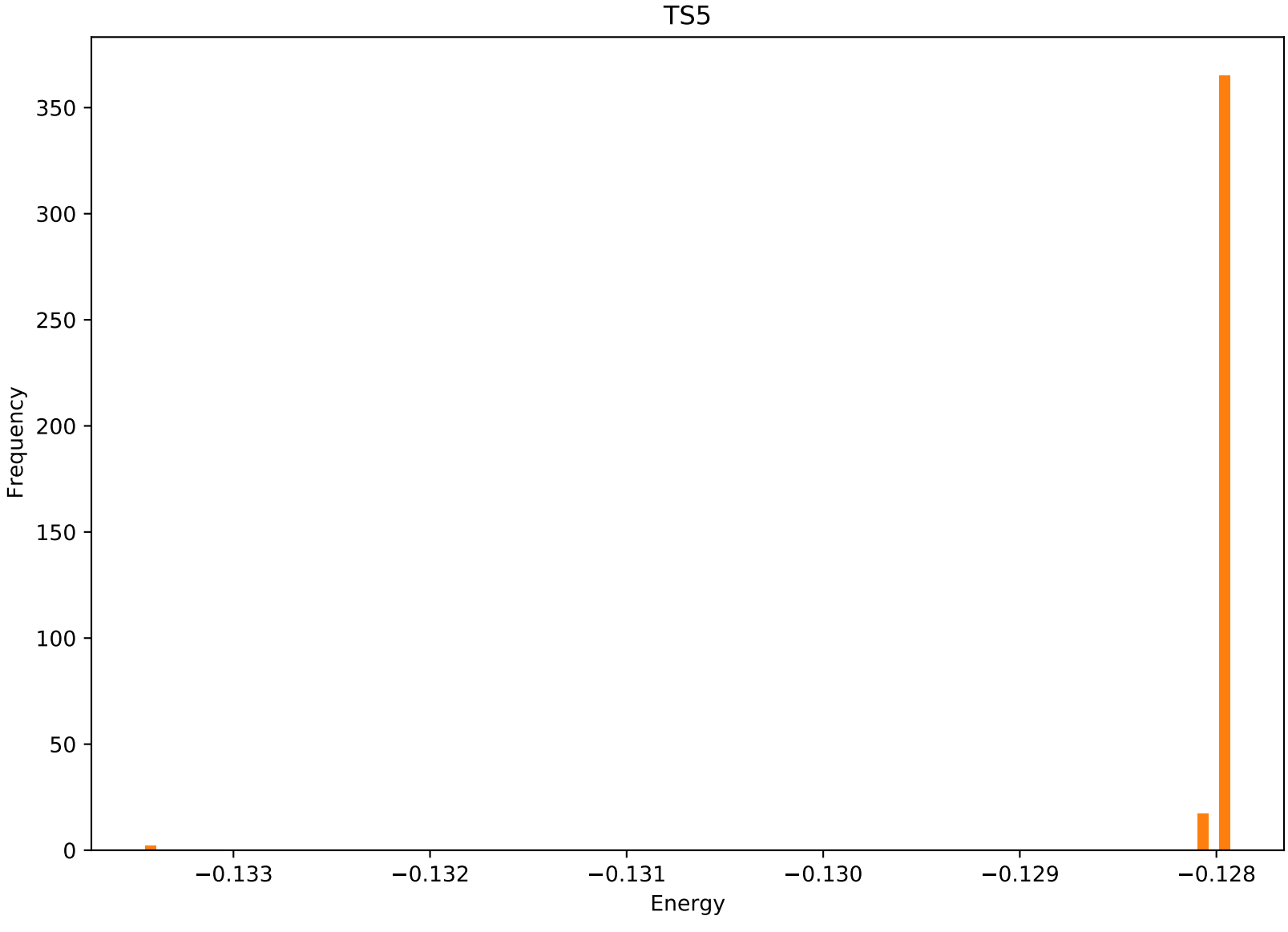

TM9
Frequency
160
140
120
100
80
60
40
20
0
−0.00020
−0.00015
−0.00010
−0.00005
0.00000
Energy

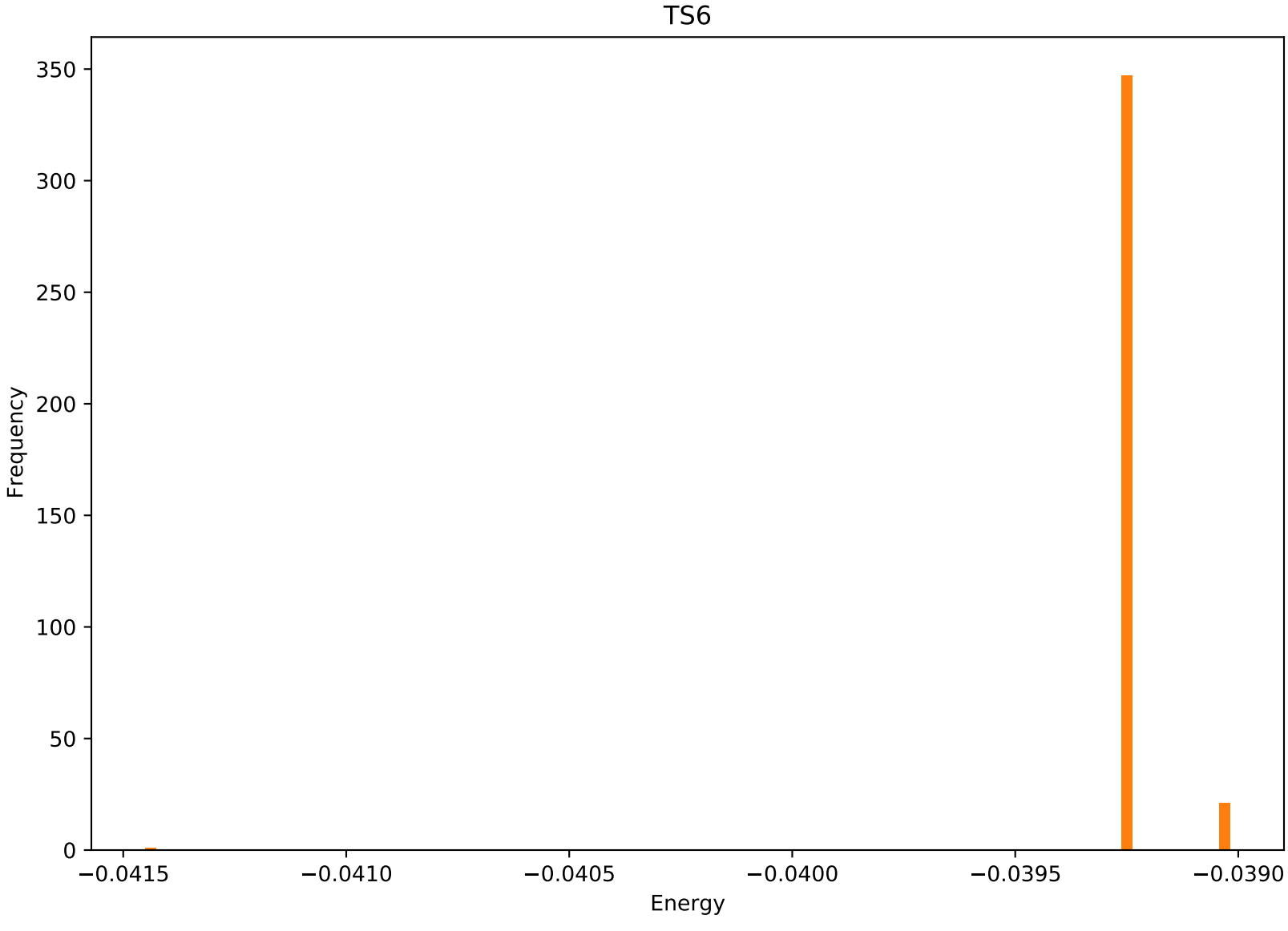

TS1
Frequency
Energy
0
100
200
300
400
1.90
1.95
2.00
2.05
2.10
2.15
2.20
2.25
Baseline:

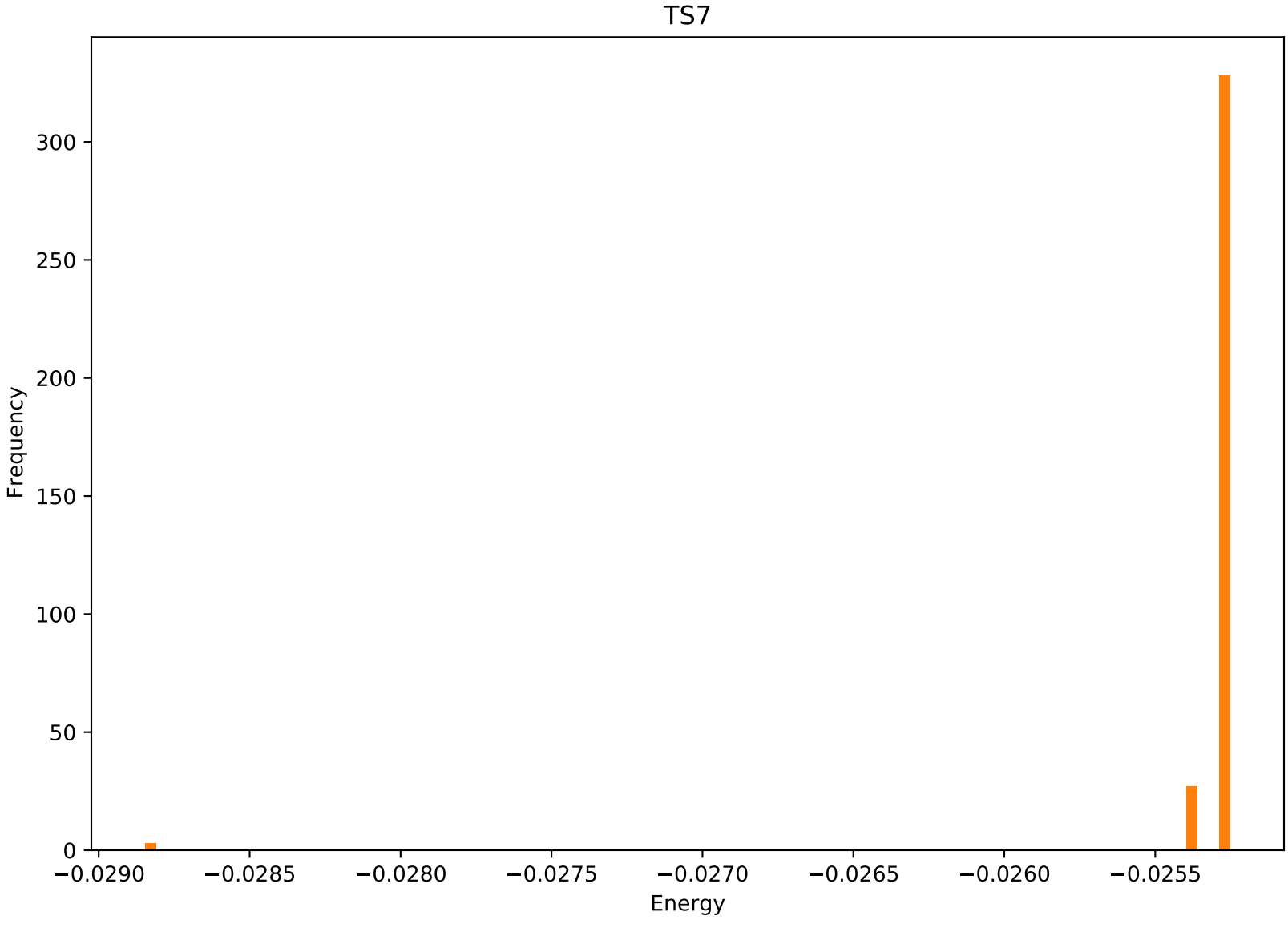

TS2
Frequency
200
175
150
125
100
75
50
25
0
−0.8834
−0.8832
−0.8830
−0.8828
−0.8826
−0.8824
Energy

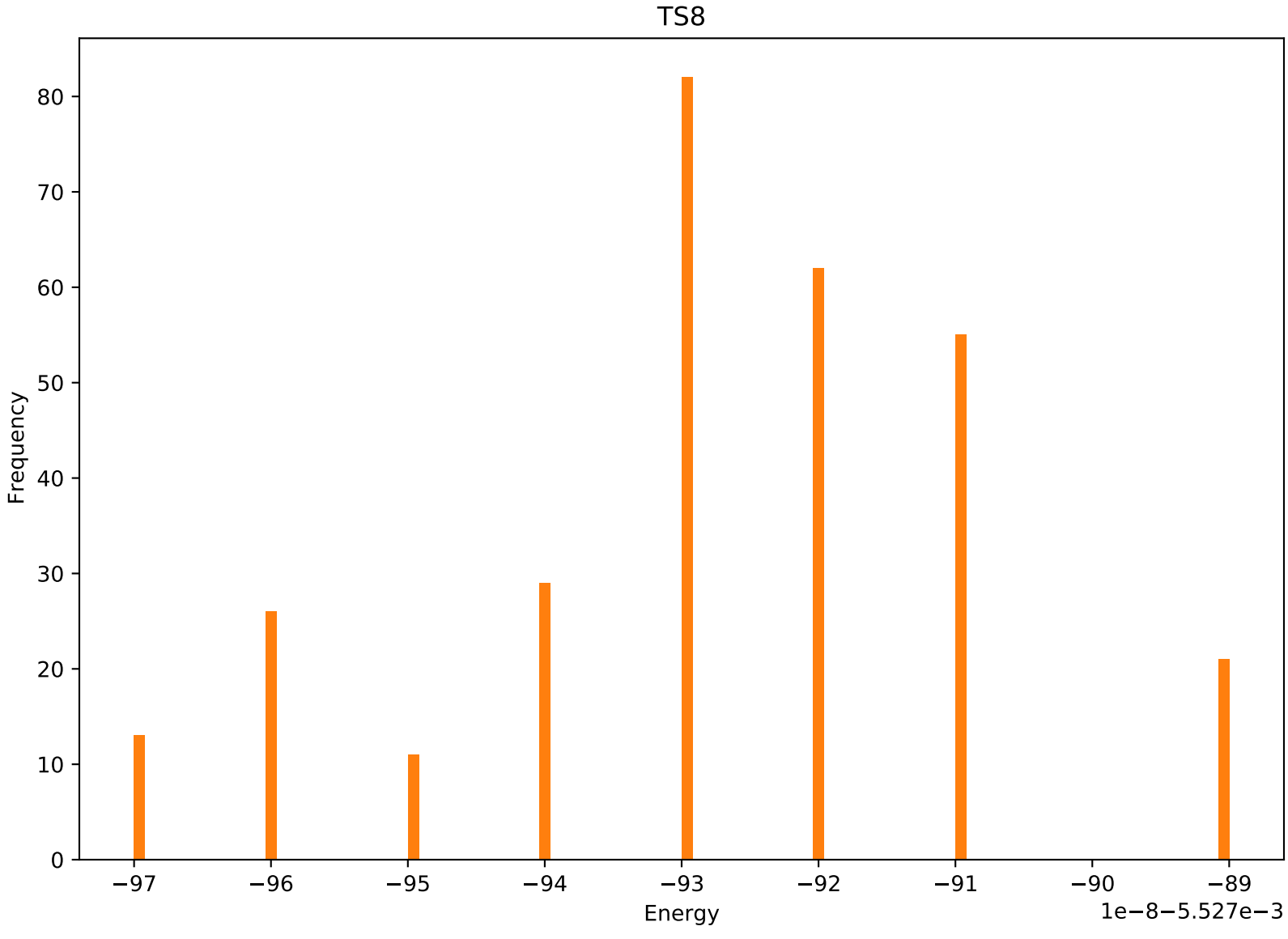

TS3
Frequency
Energy
400
350
300
250
200
150
100
50
0
−9.22
−9.20
−9.18
−9.16
−9.14

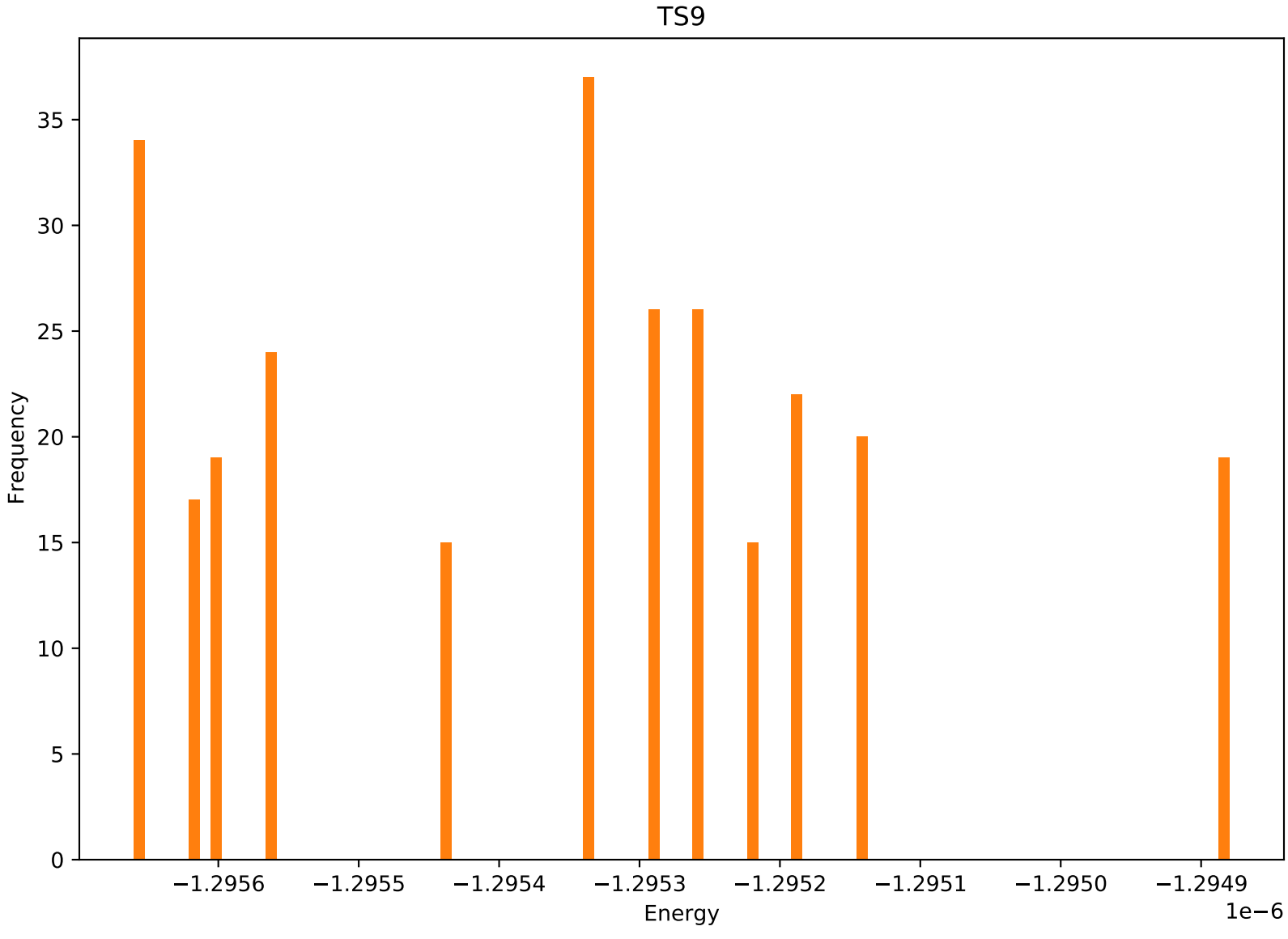

TS4
Frequency
0
20
40
60
80
−2.55225
−2.55200
−2.55175
−2.55150
−2.55125
−2.55100
−2.55075
−2.55050
−2.55025
Energy

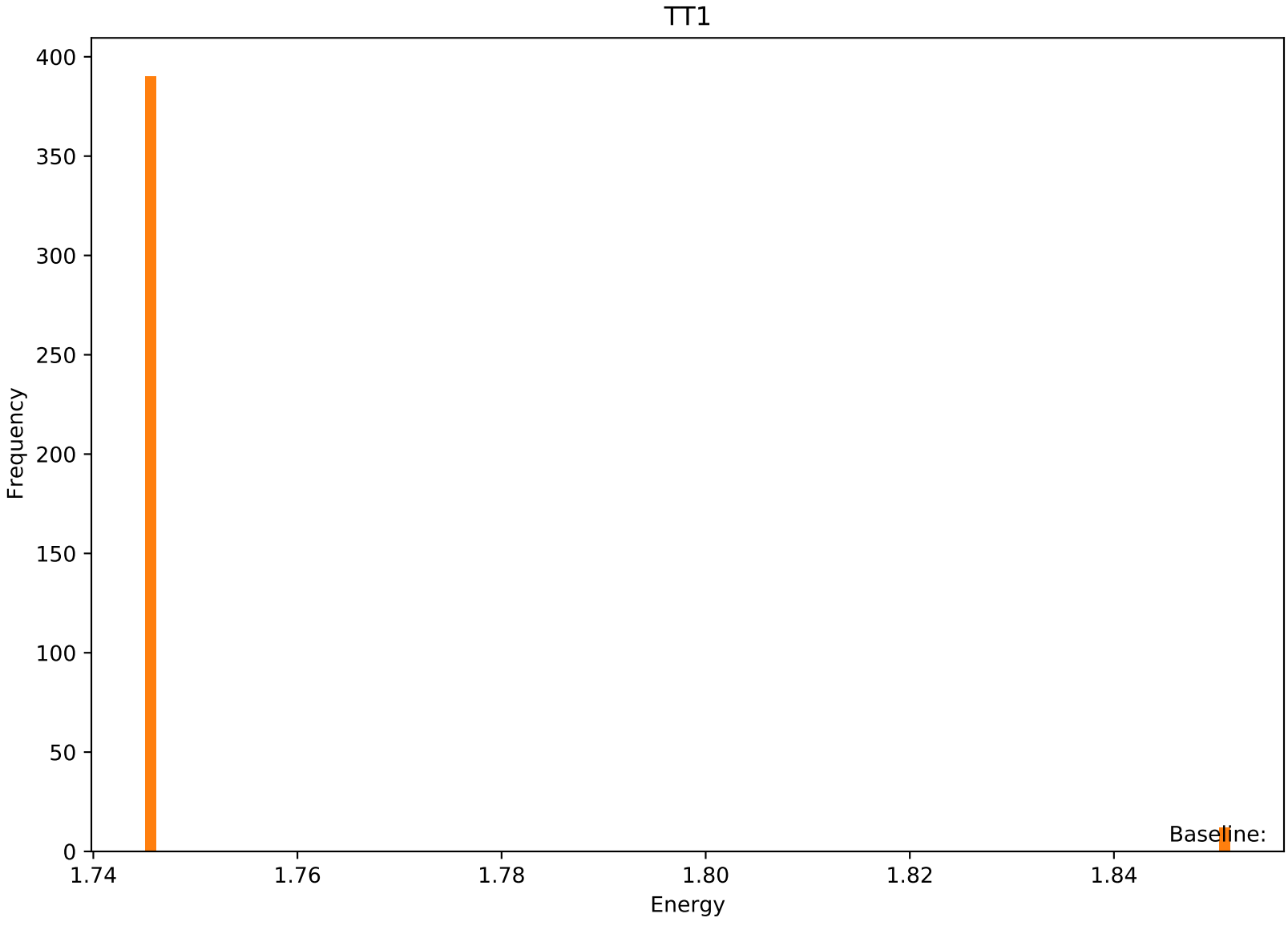

TS5
Frequency
350
300
250
200
150
100
50
0
−0.133
−0.132
−0.131
−0.130
−0.129
−0.128
Energy

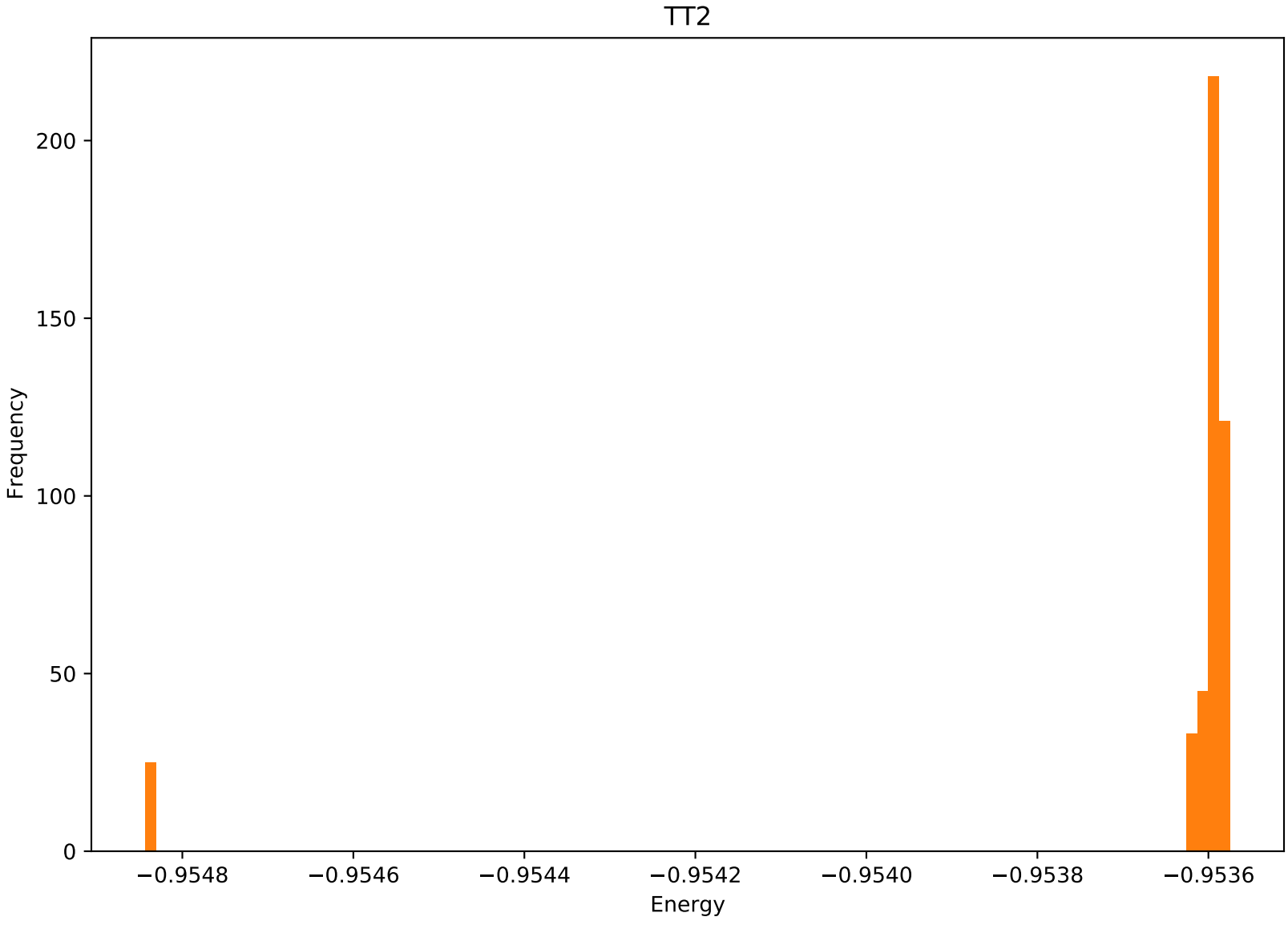

TS6
Frequency
Energy
350
300
250
200
150
100
50
0
−0.0415
−0.0410
−0.0405
−0.0400
−0.0395
−0.0390

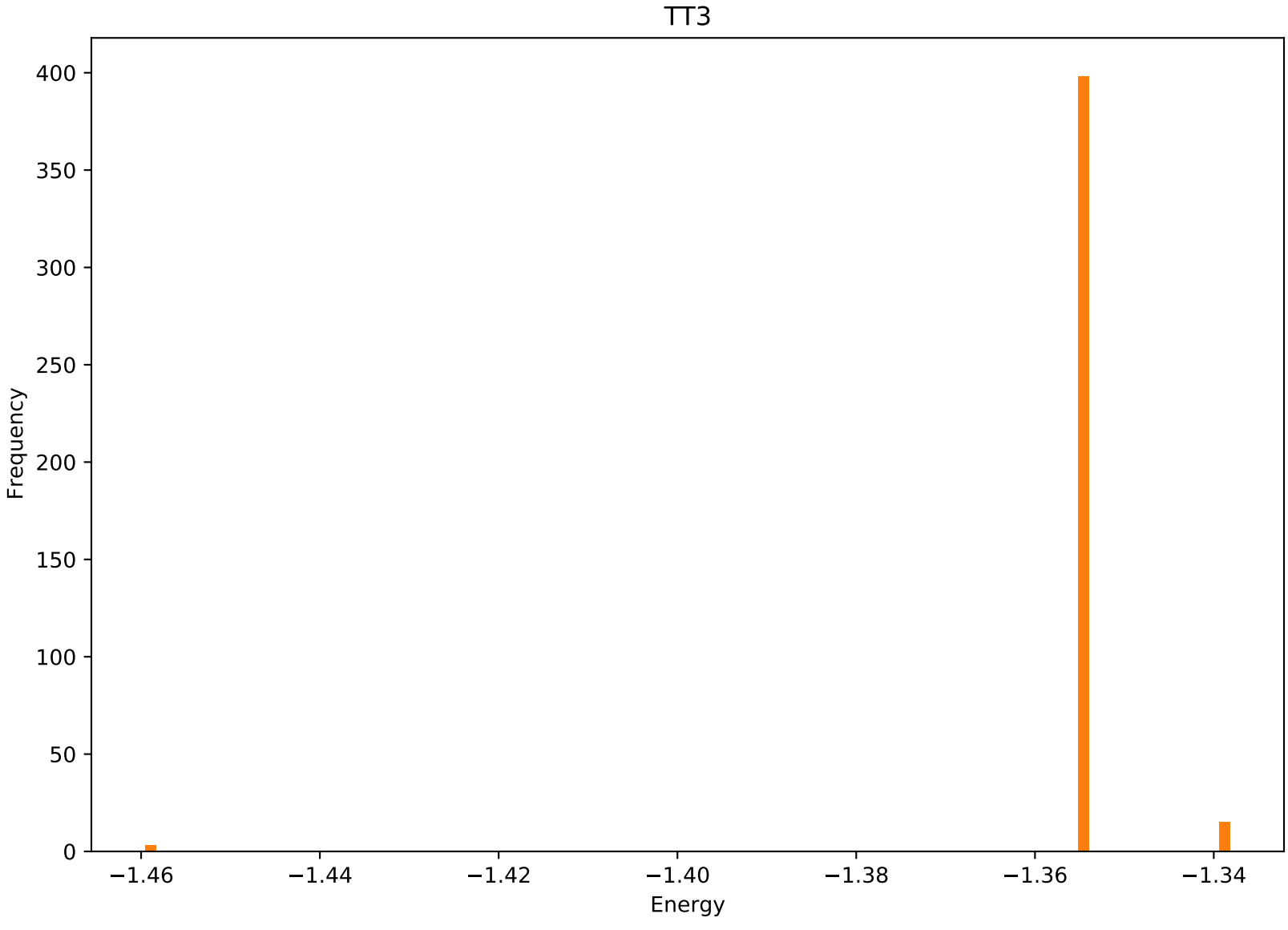

TS7
Frequency
300
250
200
150
100
50
0
−0.0290
−0.0285
−0.0280
−0.0275
−0.0270
−0.0265
−0.0260
−0.0255
Energy

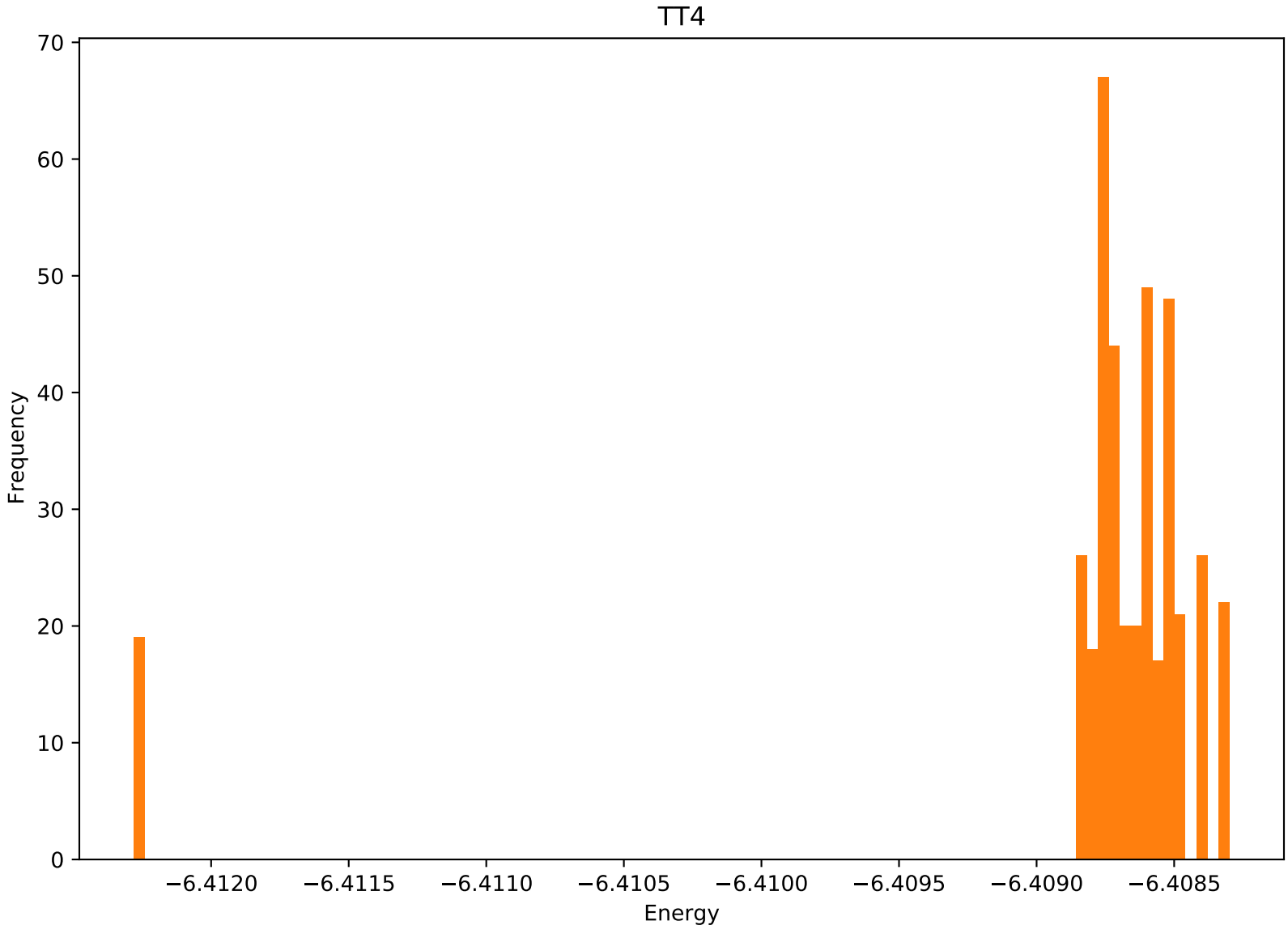

TS8
Frequency
0
10
20
30
40
50
60
70
80
−97
−96
−95
−94
−93
−92
−91
−90
−89
Energy
1e−8−5.527e−3

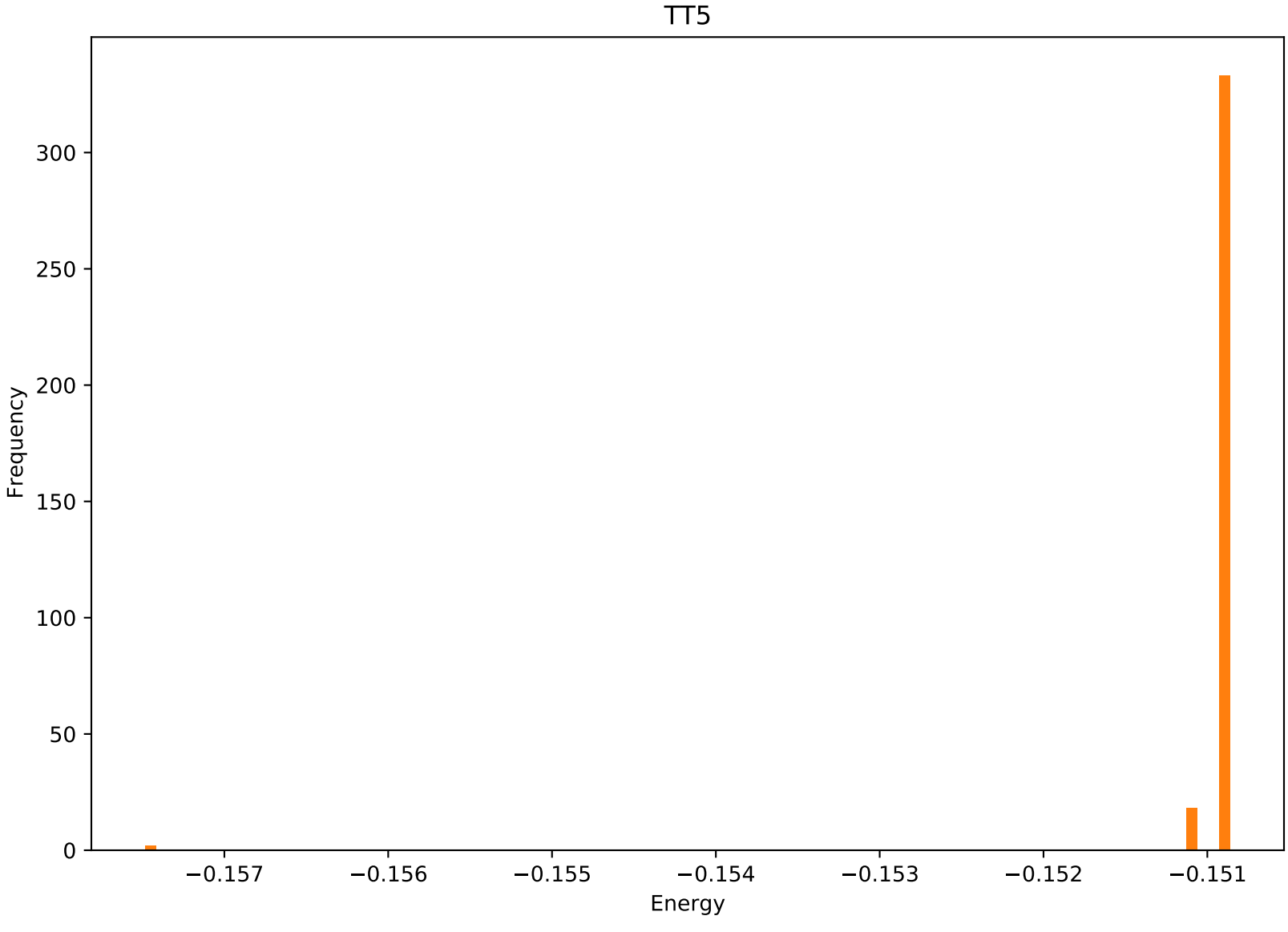

TS9
Frequency
0
5
10
15
20
25
30
35
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

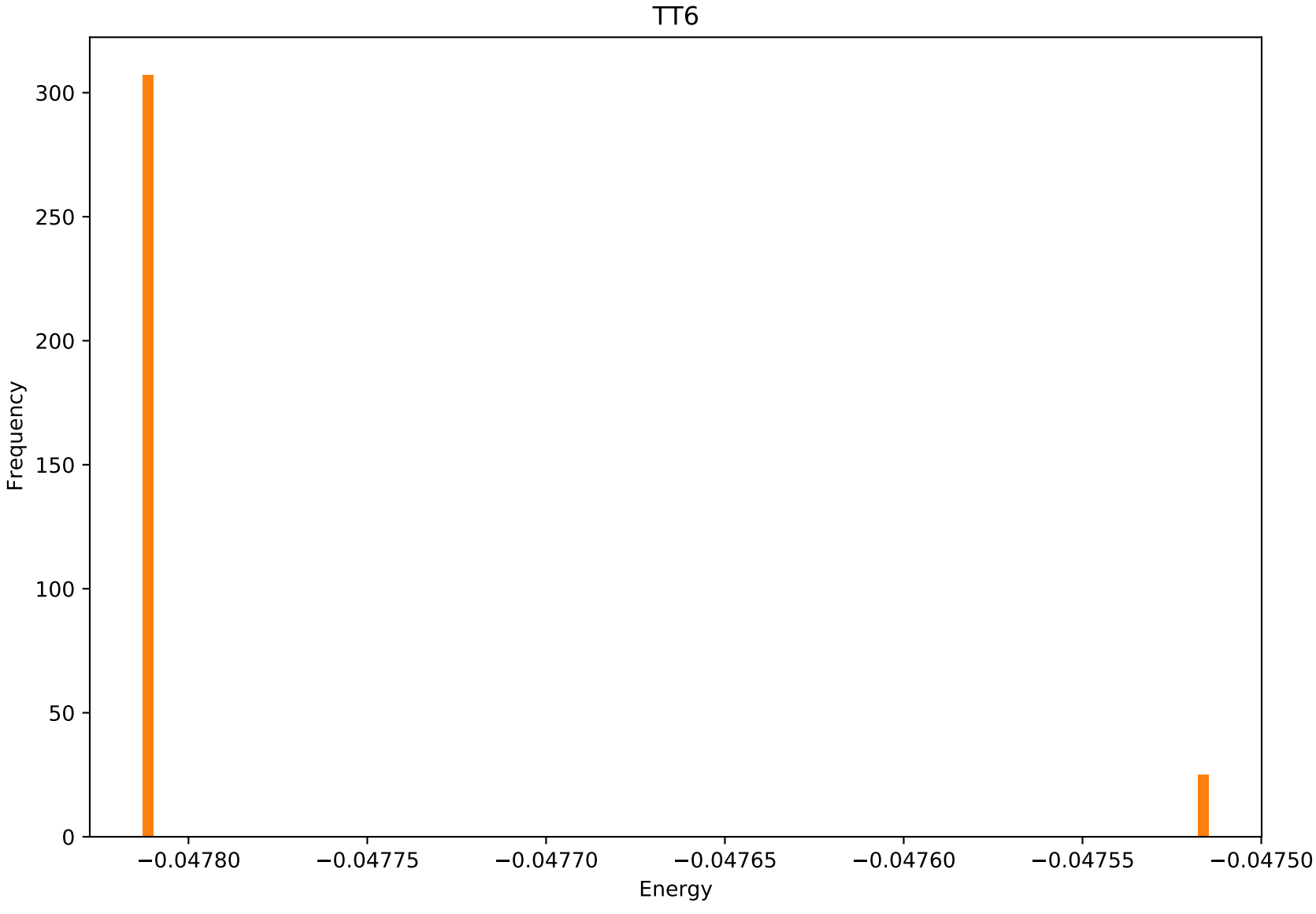

TT1
Frequency
Energy
Baseline:
0
50
100
150
200
250
300
350
400
1.74
1.76
1.78
1.80
1.82
1.84

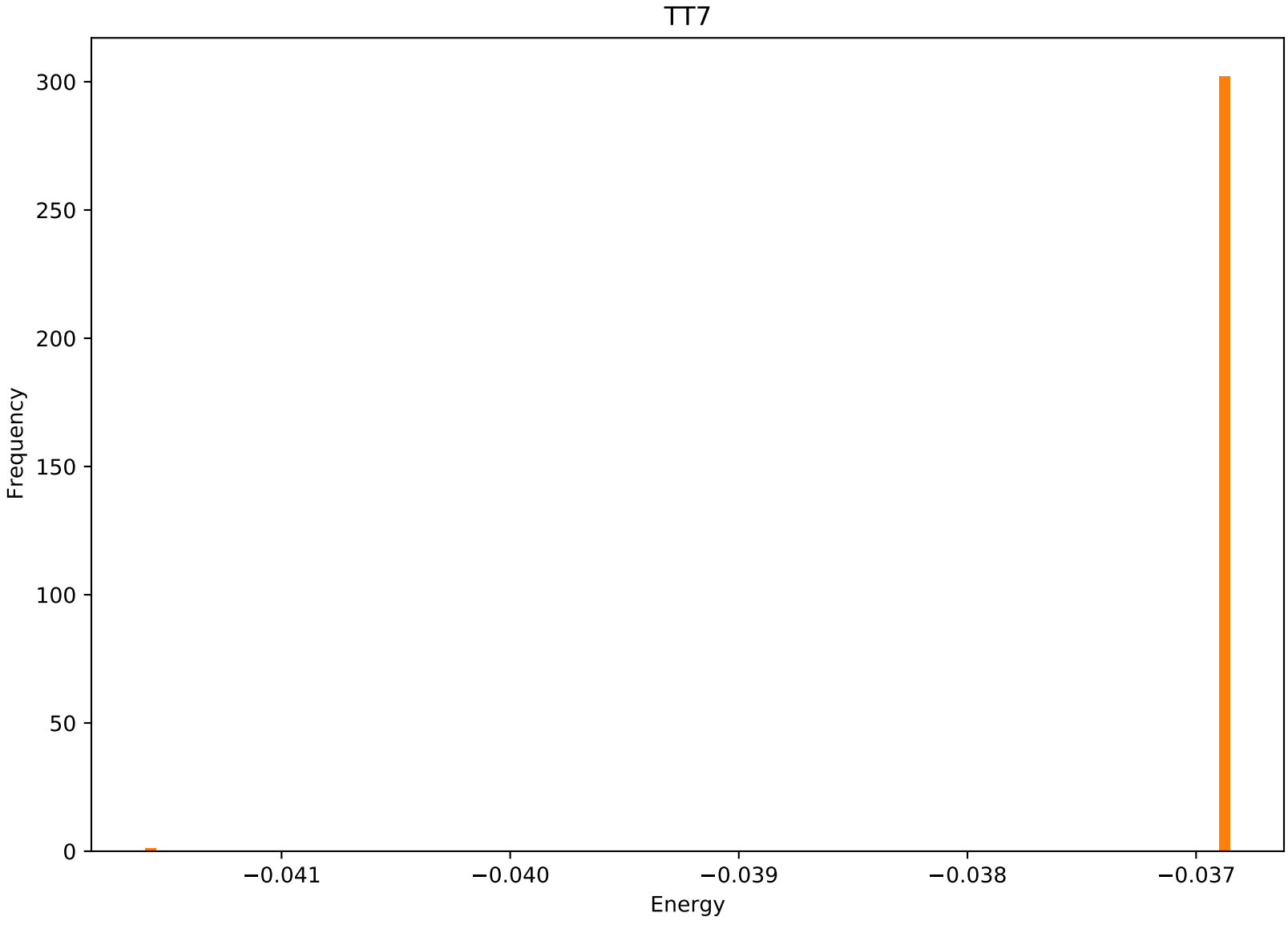

TT2
Frequency
200
150
100
50
0
−0.9548
−0.9546
−0.9544
−0.9542
−0.9540
−0.9538
−0.9536
Energy

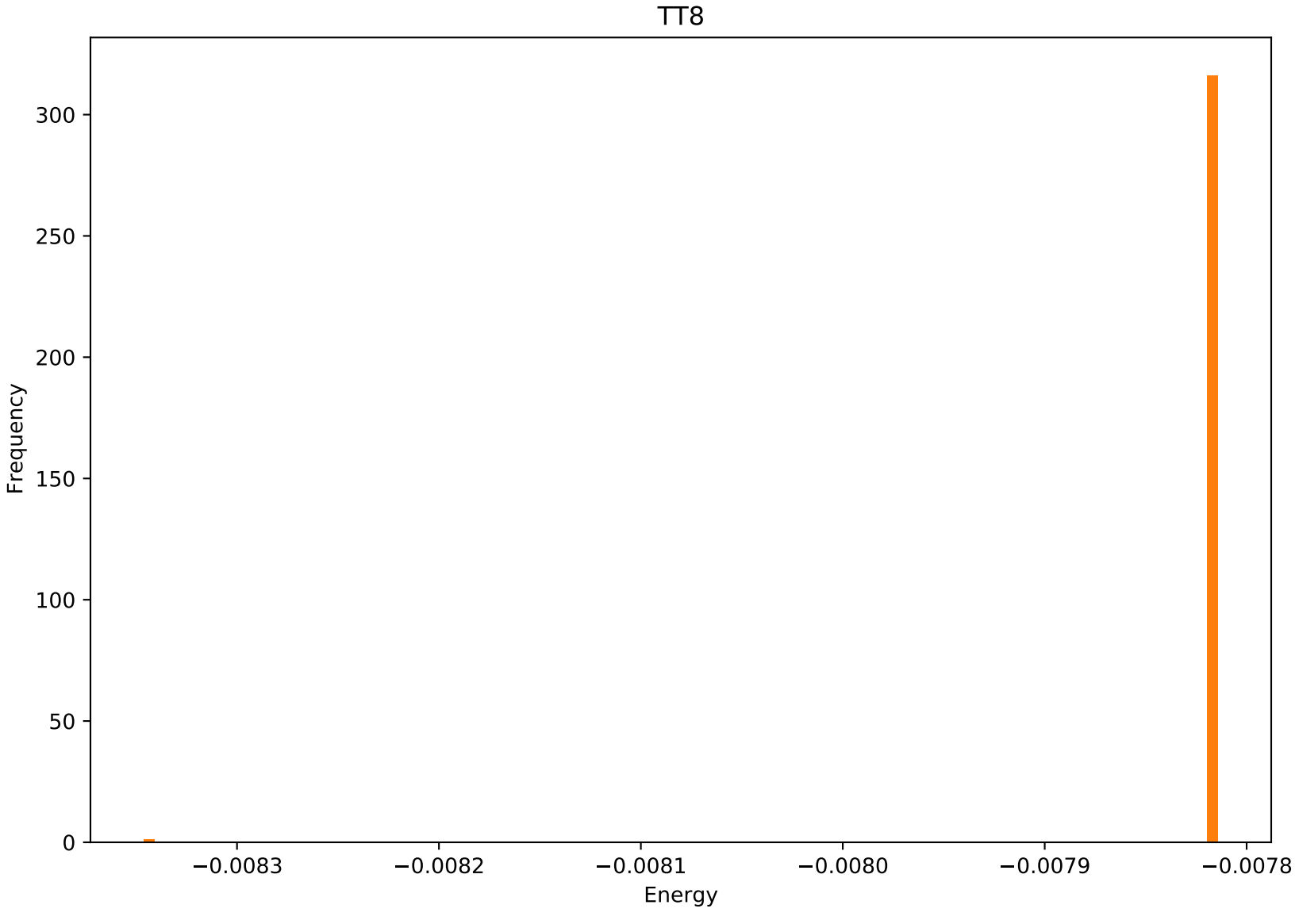

TT3
Frequency
400
350
300
250
200
150
100
50
0
−1.46
−1.44
−1.42
−1.40
−1.38
−1.36
−1.34
Energy

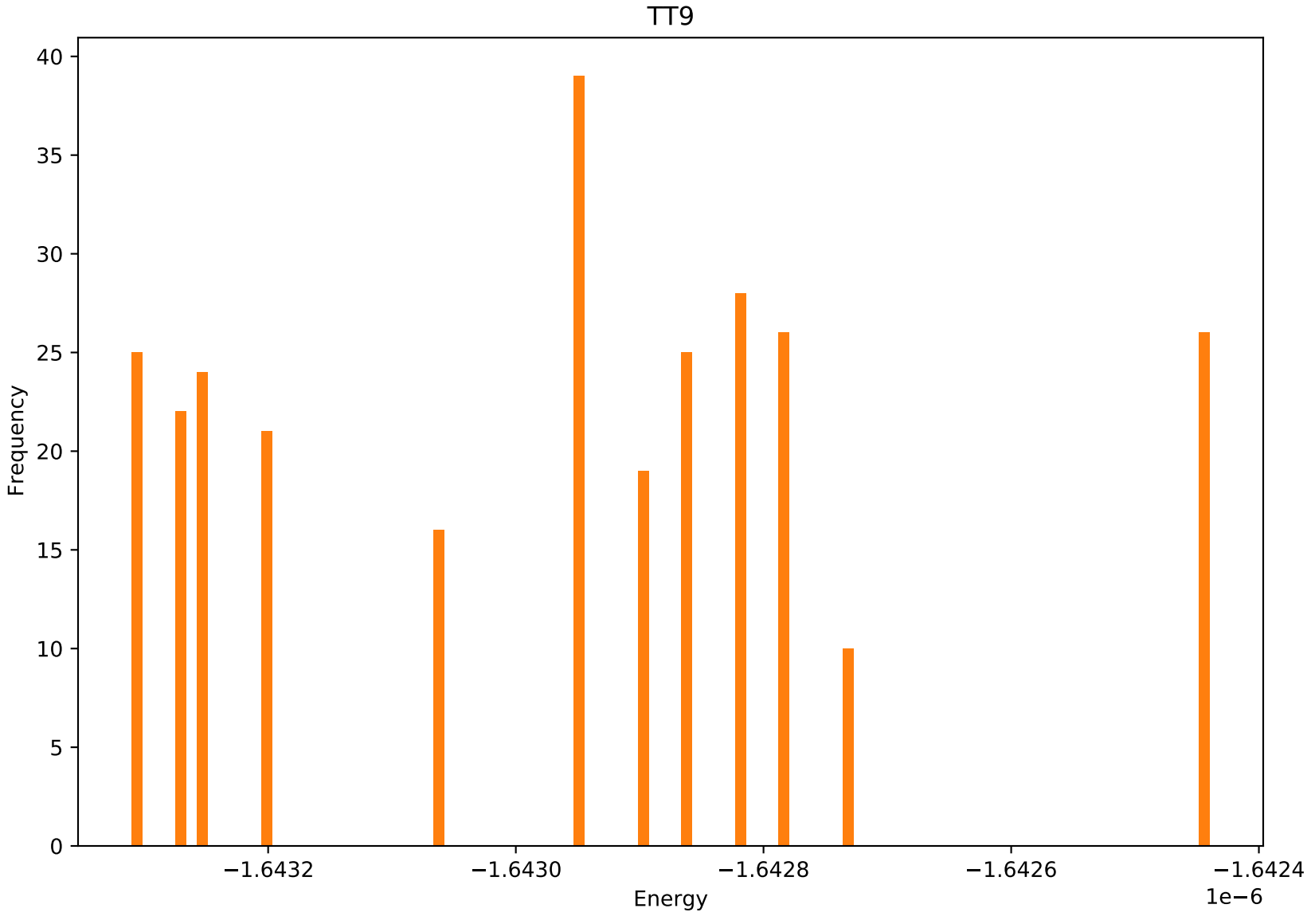

TT4
Frequency
Energy
70
60
50
40
30
20
10
0
−6.4120
−6.4115
−6.4110
−6.4105
−6.4100
−6.4095
−6.4090
−6.4085

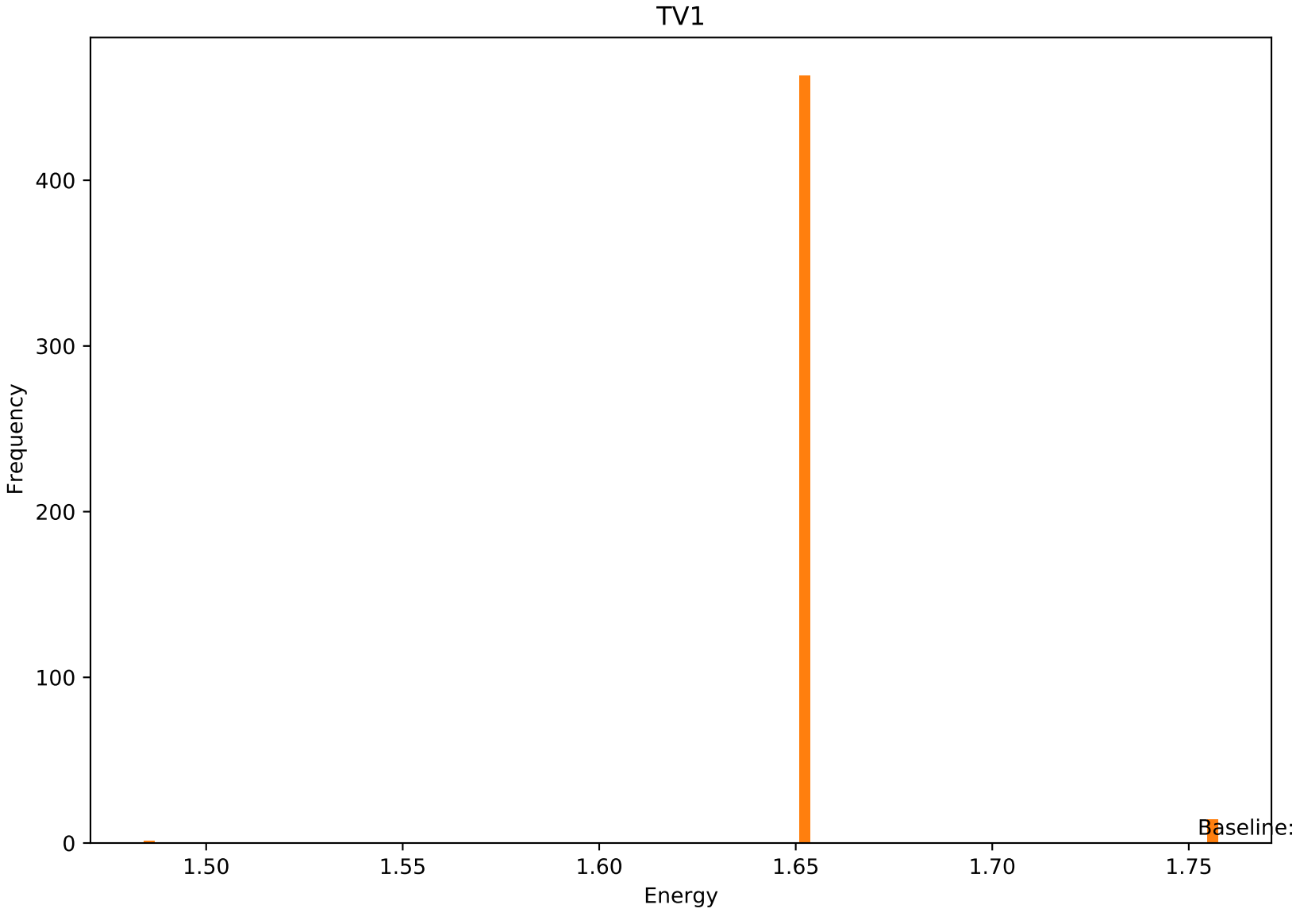

TT5
Frequency
300
250
200
150
100
50
0
−0.157
−0.156
−0.155
−0.154
−0.153
−0.152
−0.151
Energy

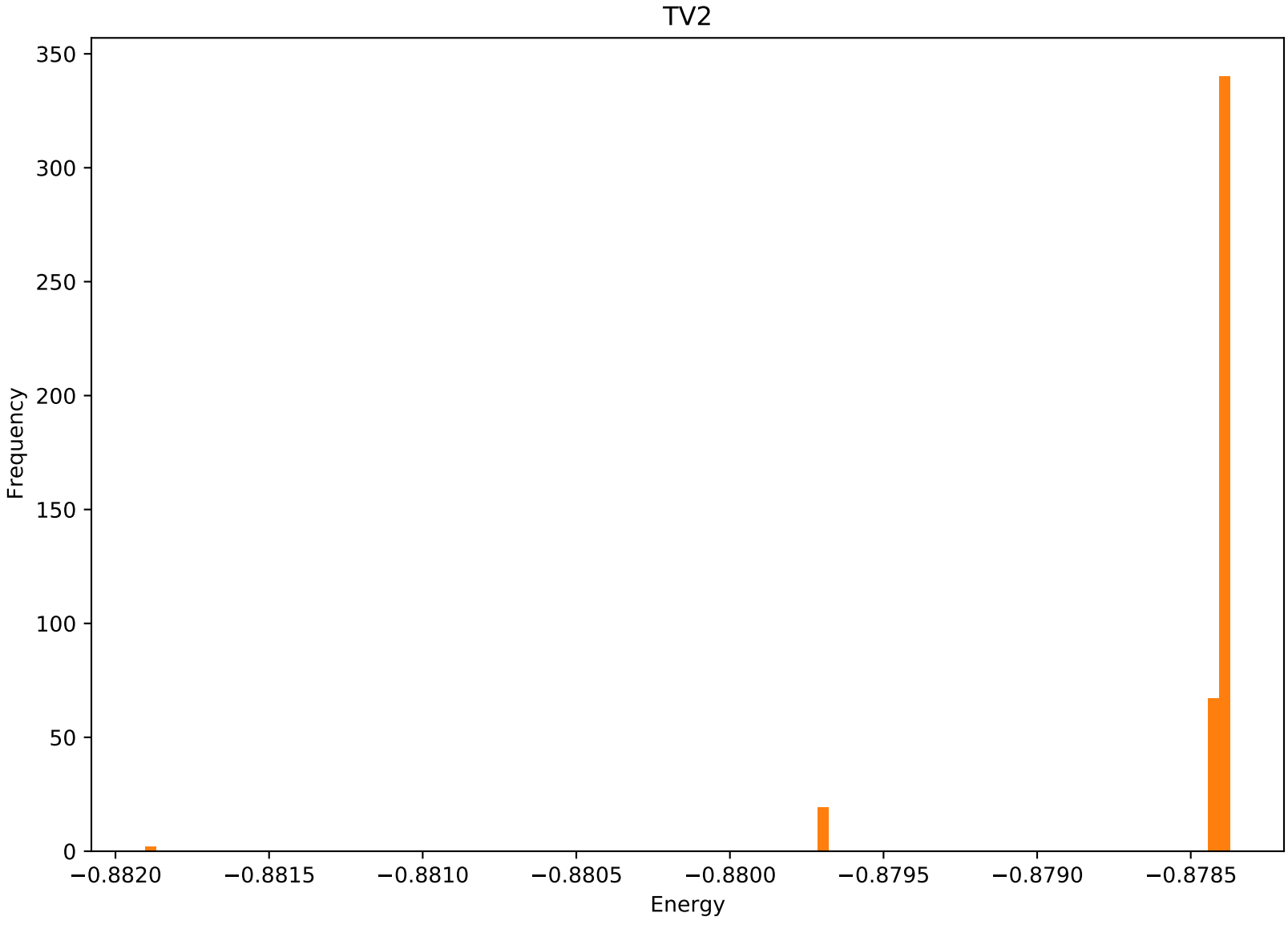

TT6
Frequency
300
250
200
150
100
50
0
−0.04780
−0.04775
−0.04770
−0.04765
−0.04760
−0.04755
−0.04750
Energy

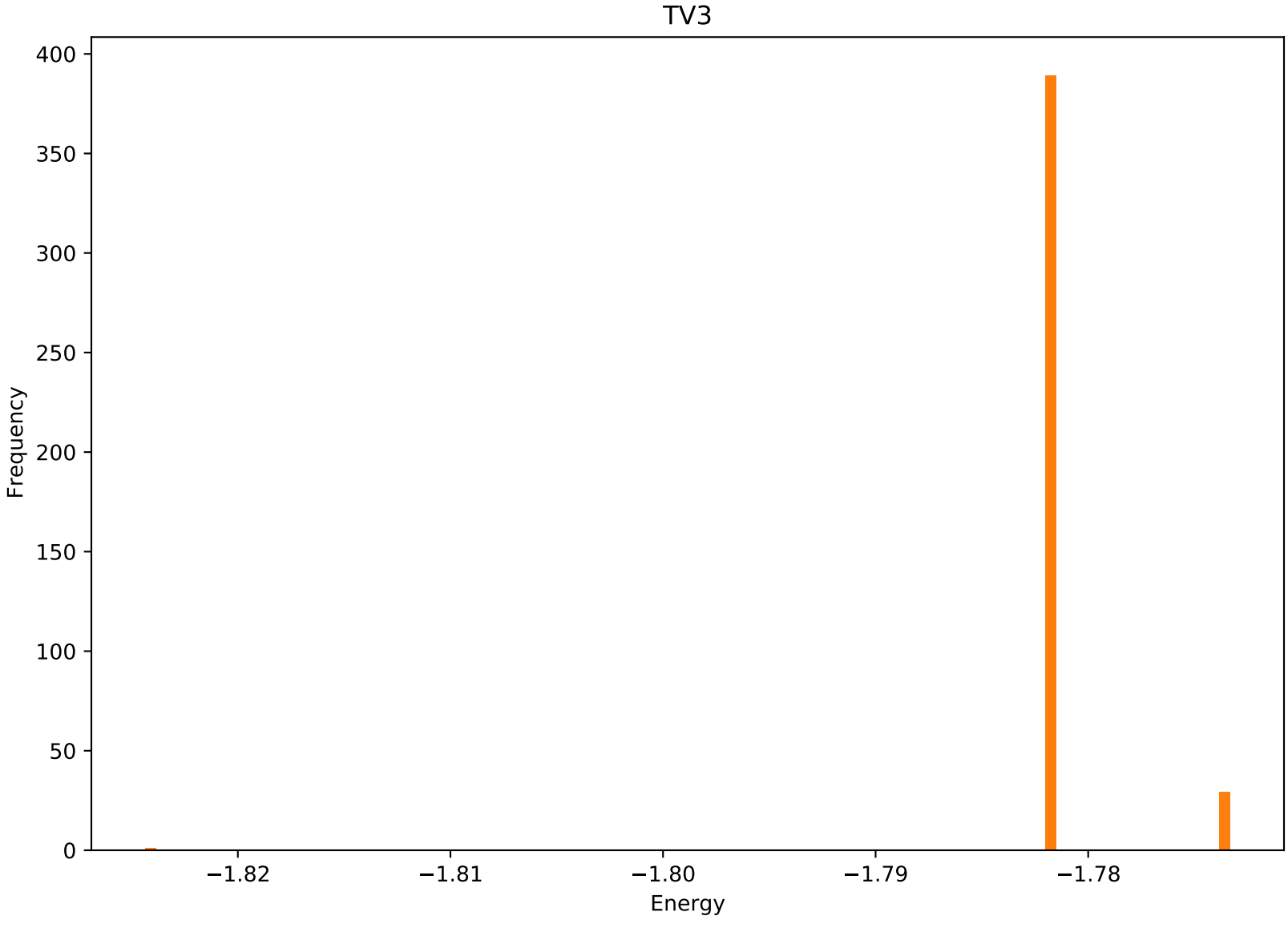

TT7
300
250
200
150
100
50
0
Frequency
−0.041
−0.040
−0.039
−0.038
−0.037
Energy

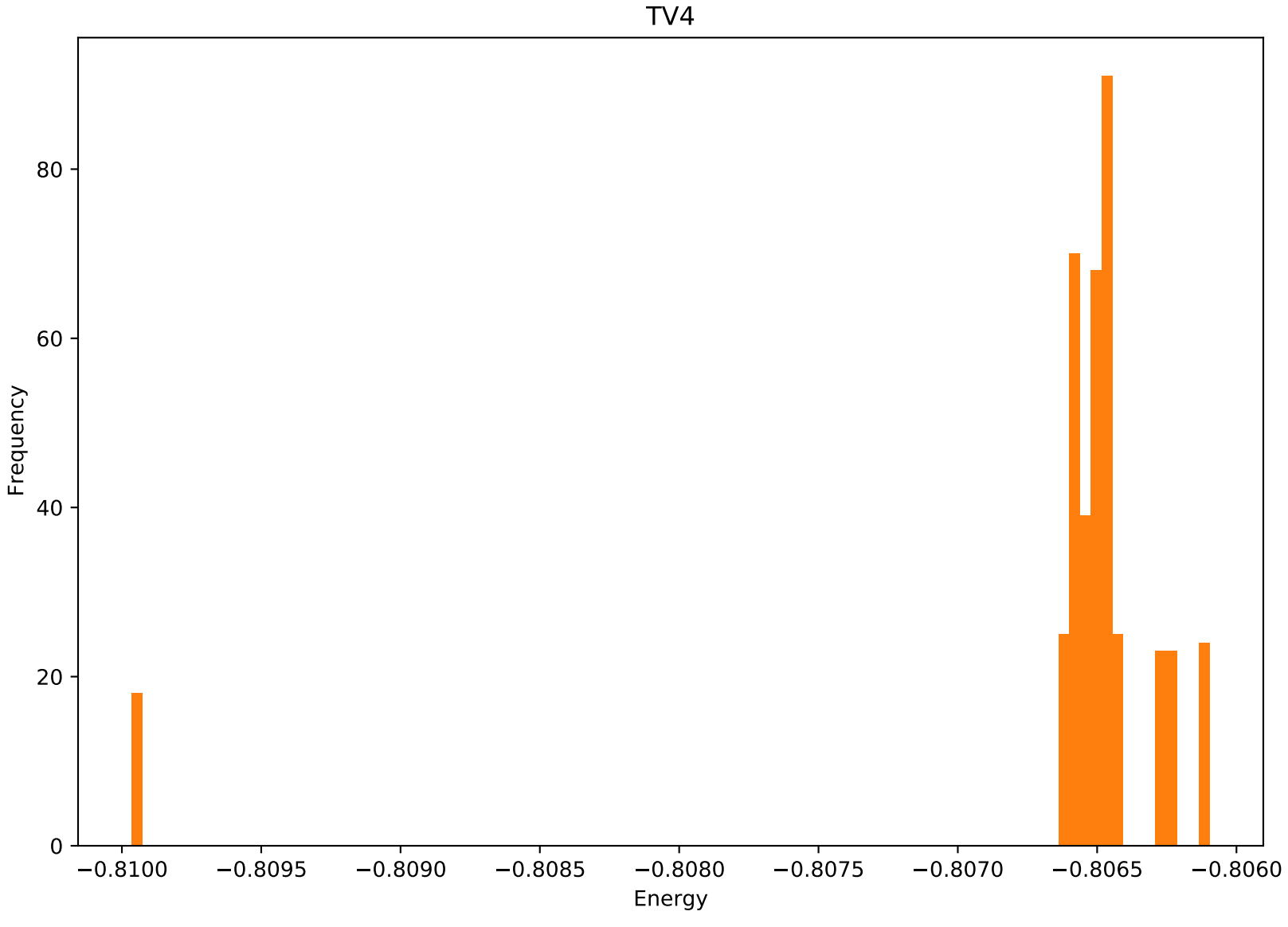

TT8
Frequency
300
250
200
150
100
50
0
−0.0083
−0.0082
−0.0081
−0.0080
−0.0079
−0.0078
Energy

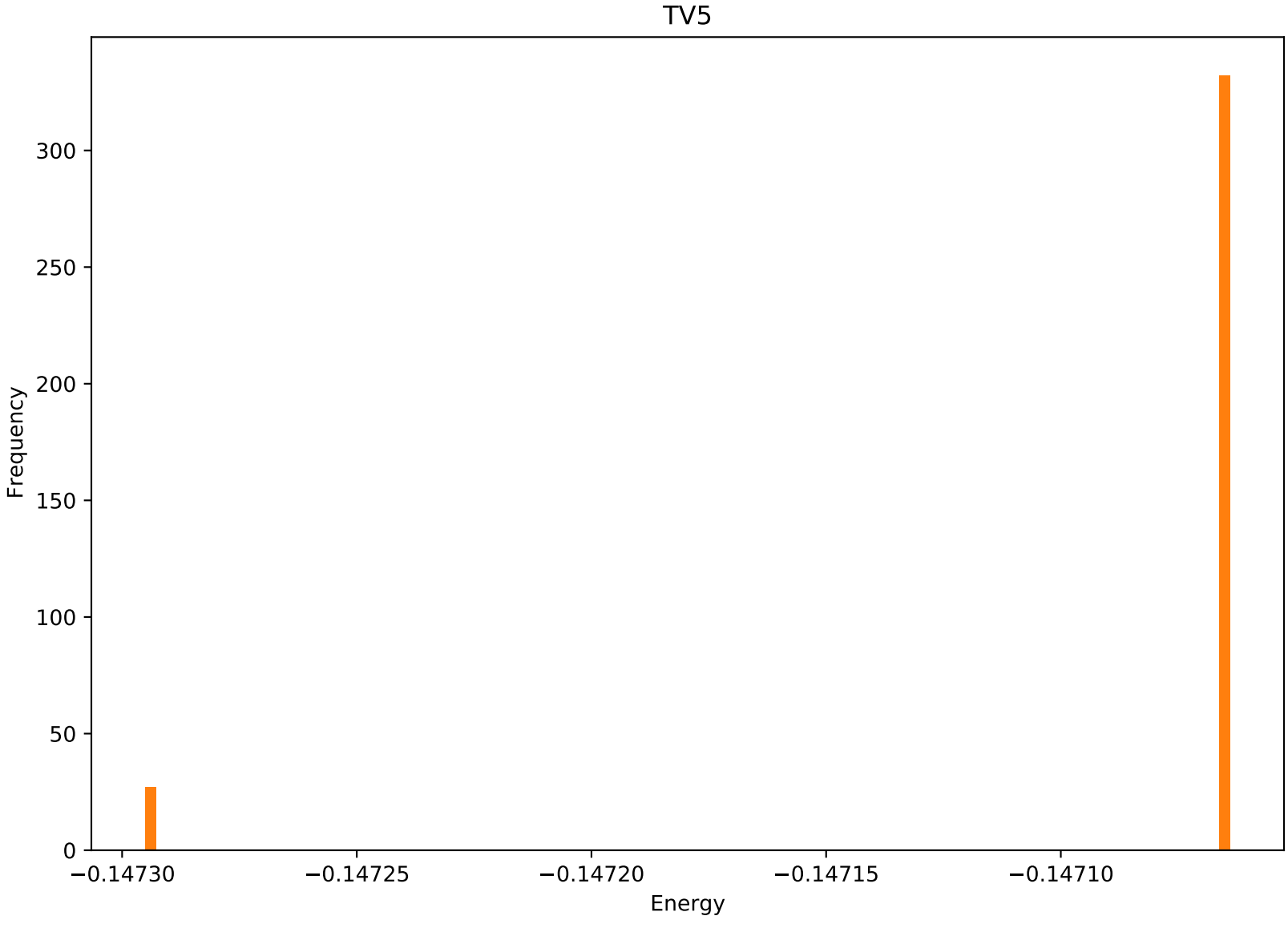

TT9
Frequency
0
5
10
15
20
25
30
35
40
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

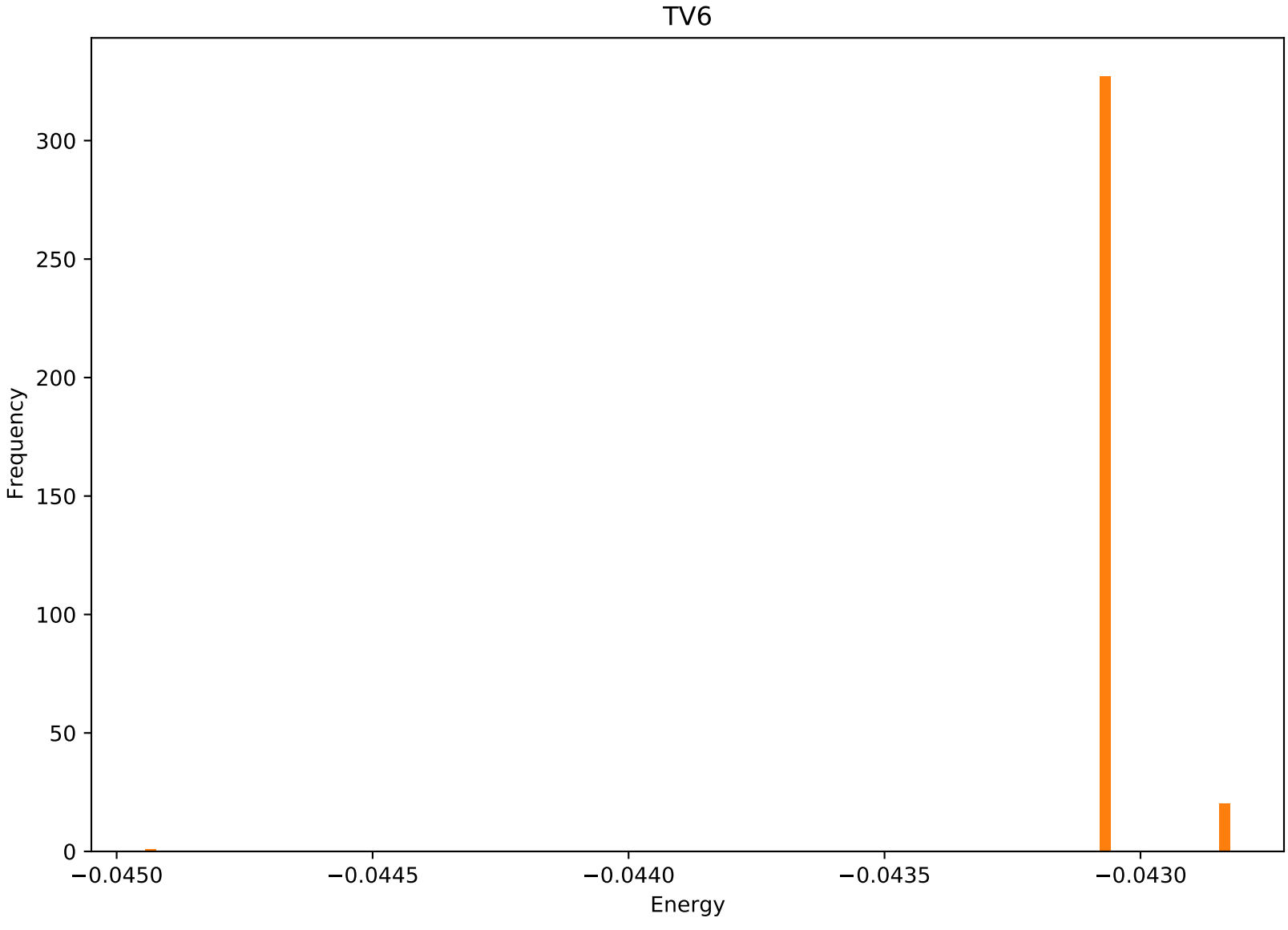

TV1
Frequency
400
300
200
100
0
1.50
1.55
1.60
1.65
1.70
1.75
Energy
Baseline:

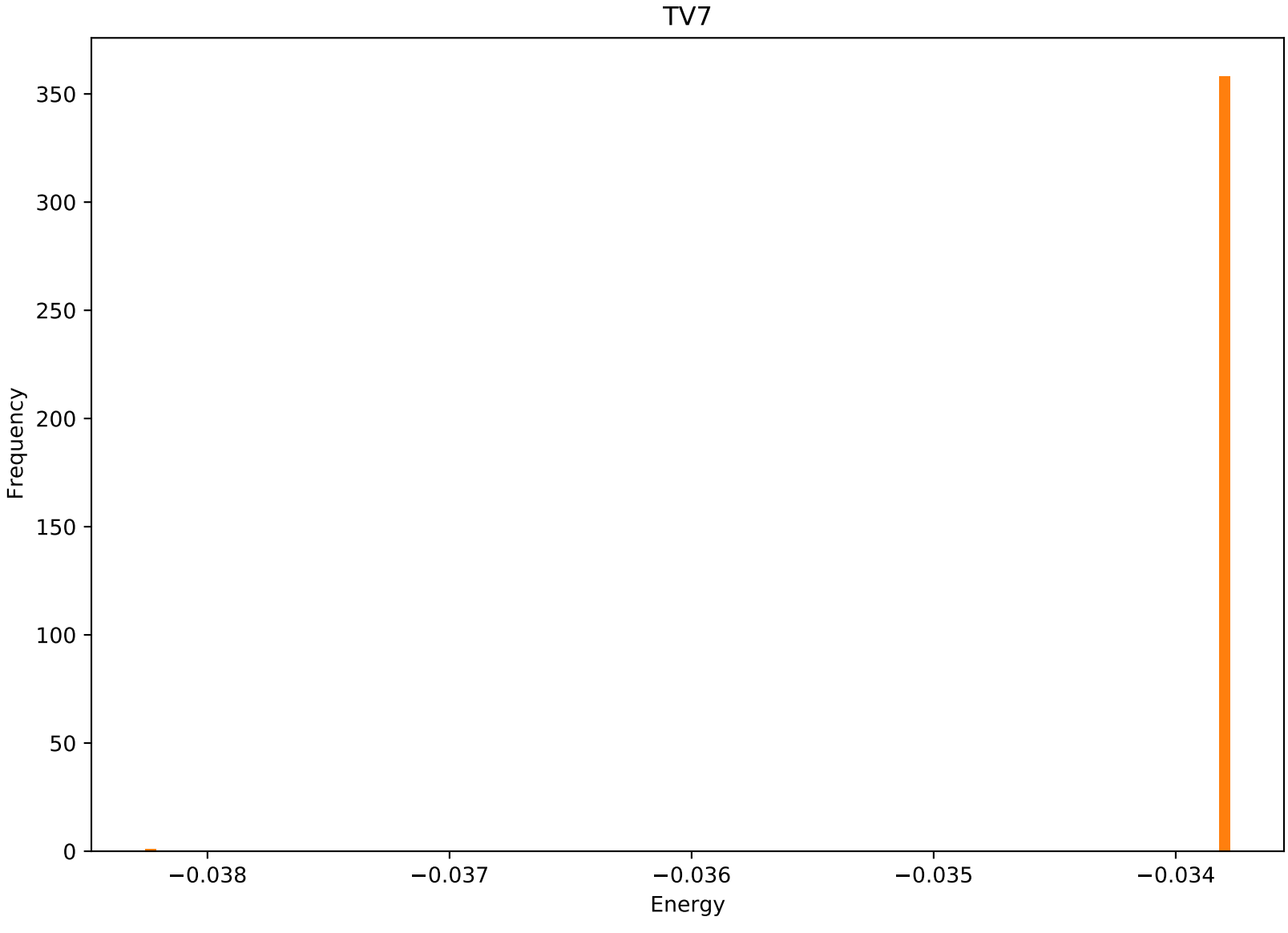

TV2
Frequency
Energy
350
300
250
200
150
100
50
0
−0.8820
−0.8815
−0.8810
−0.8805
−0.8800
−0.8795
−0.8790
−0.8785

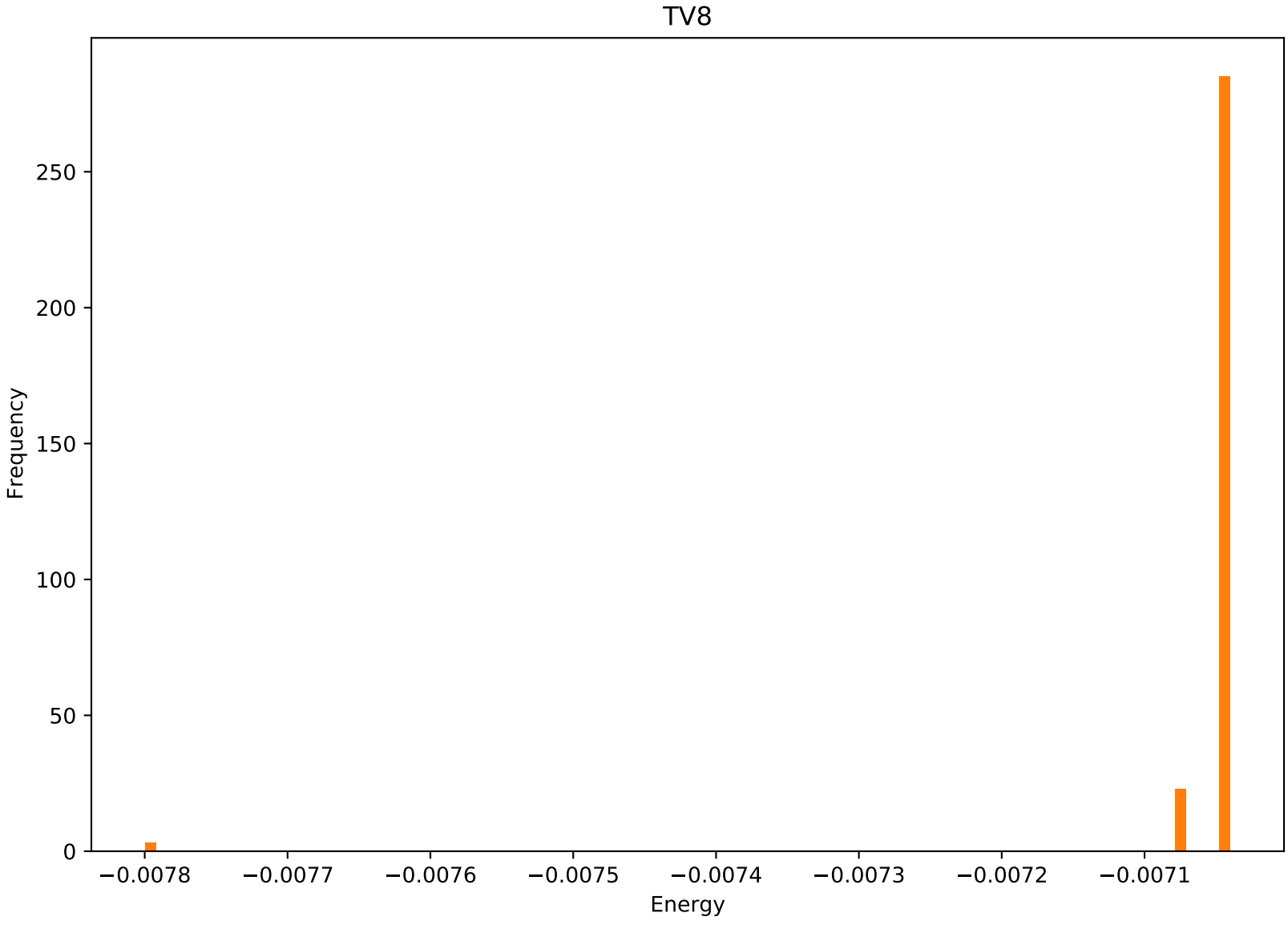

TV3
Frequency
Energy
400
350
300
250
200
150
100
50
0
−1.82
−1.81
−1.80
−1.79
−1.78

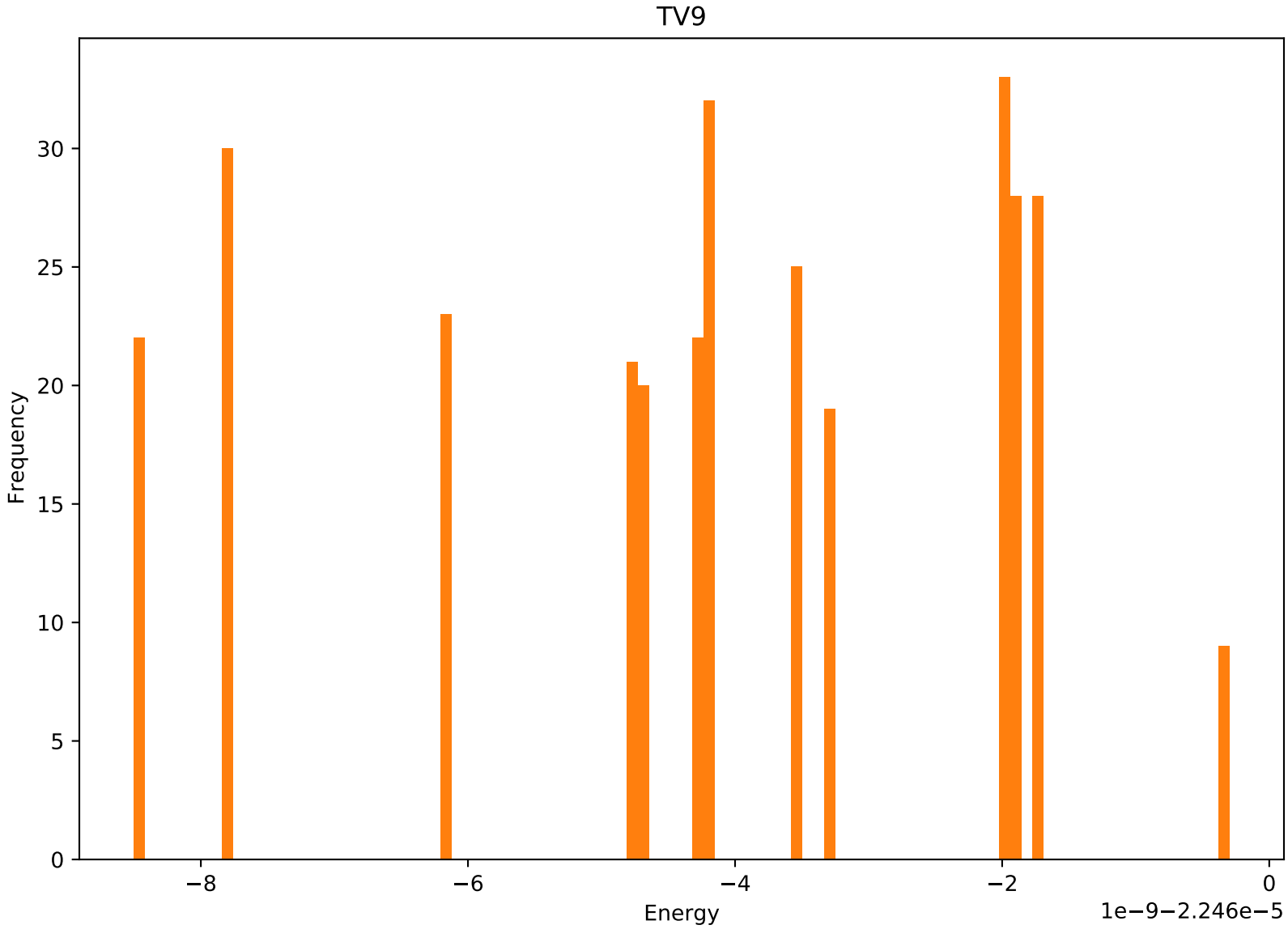

TV4
Frequency
0
20
40
60
80
−0.8100
−0.8095
−0.8090
−0.8085
−0.8080
−0.8075
−0.8070
−0.8065
−0.8060
Energy

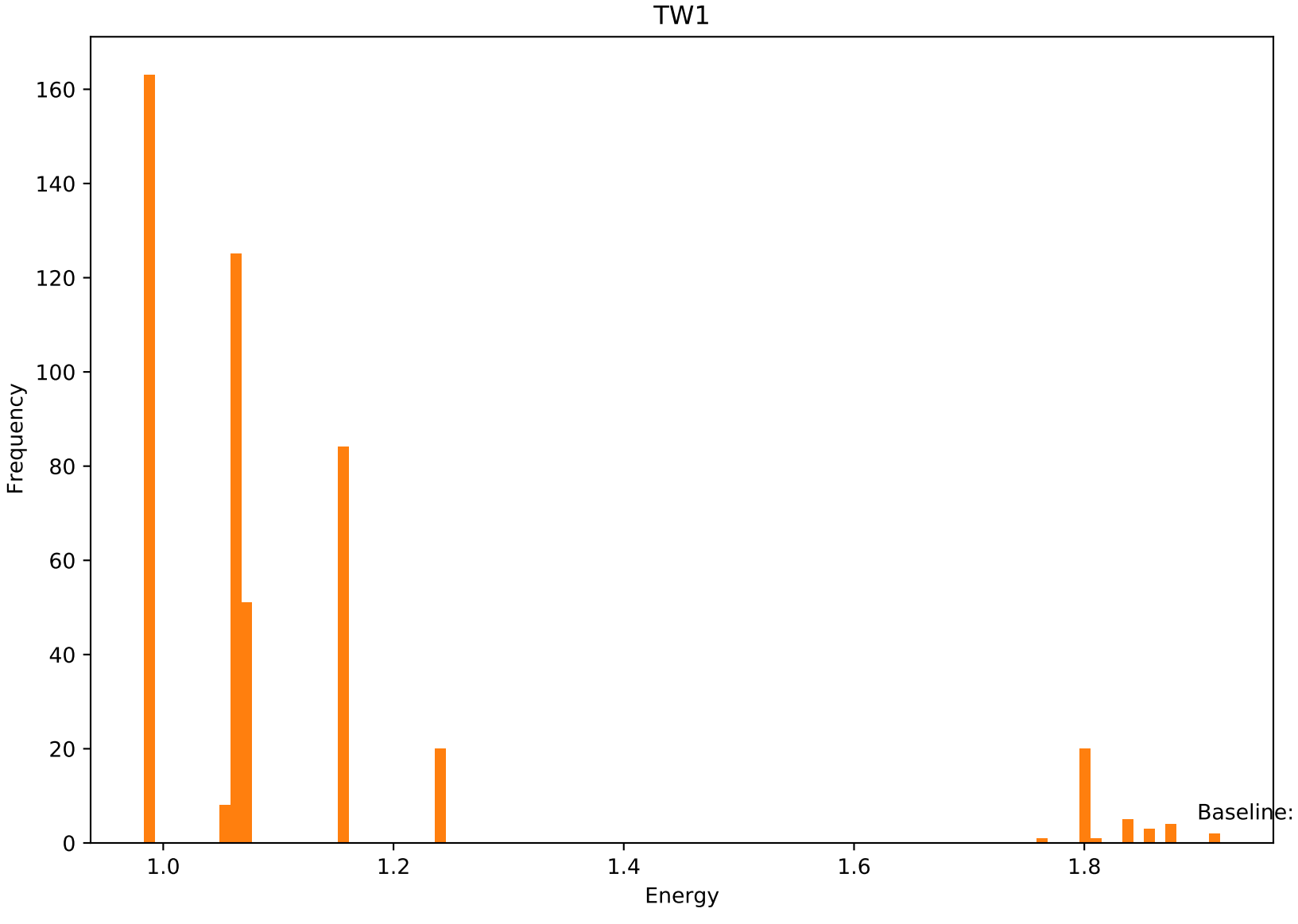

TV5
Frequency
300
250
200
150
100
50
0
−0.14730
−0.14725
−0.14720
−0.14715
−0.14710
Energy

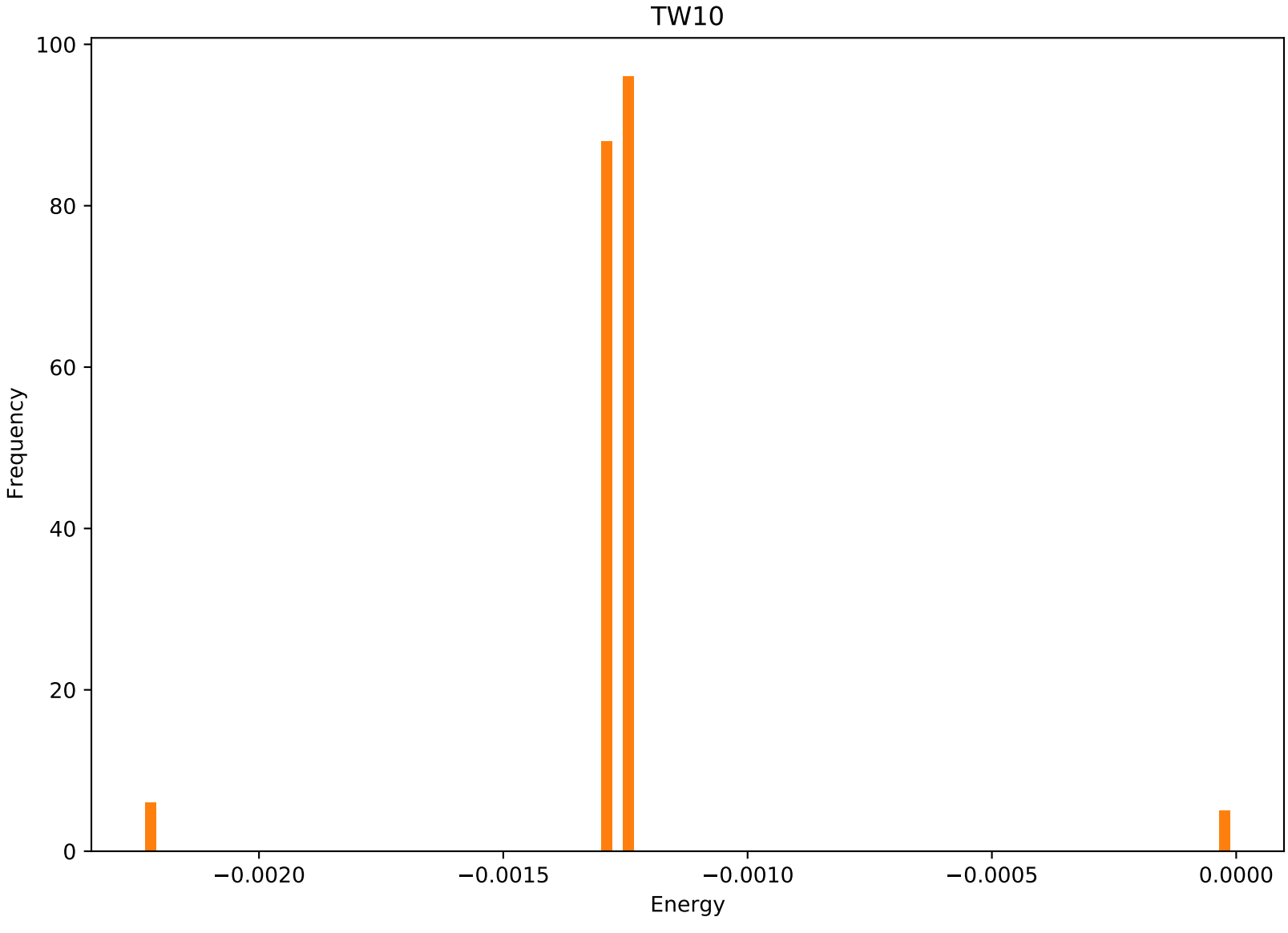

TV6
Frequency
300
250
200
150
100
50
0
−0.0450
−0.0445
−0.0440
−0.0435
−0.0430
Energy

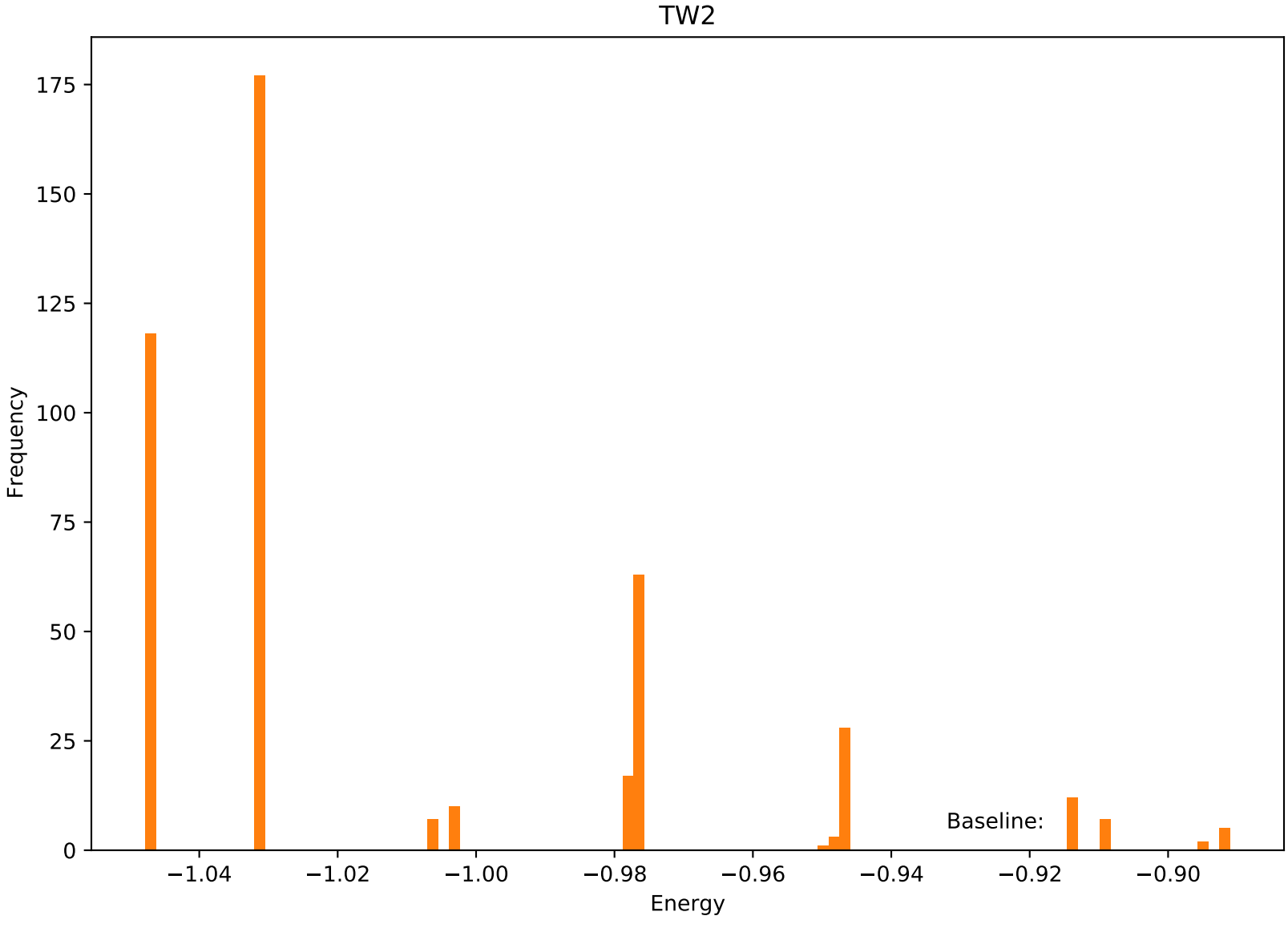

TV7
Frequency
0
50
100
150
200
250
300
350
−0.038
−0.037
−0.036
−0.035
−0.034
Energy

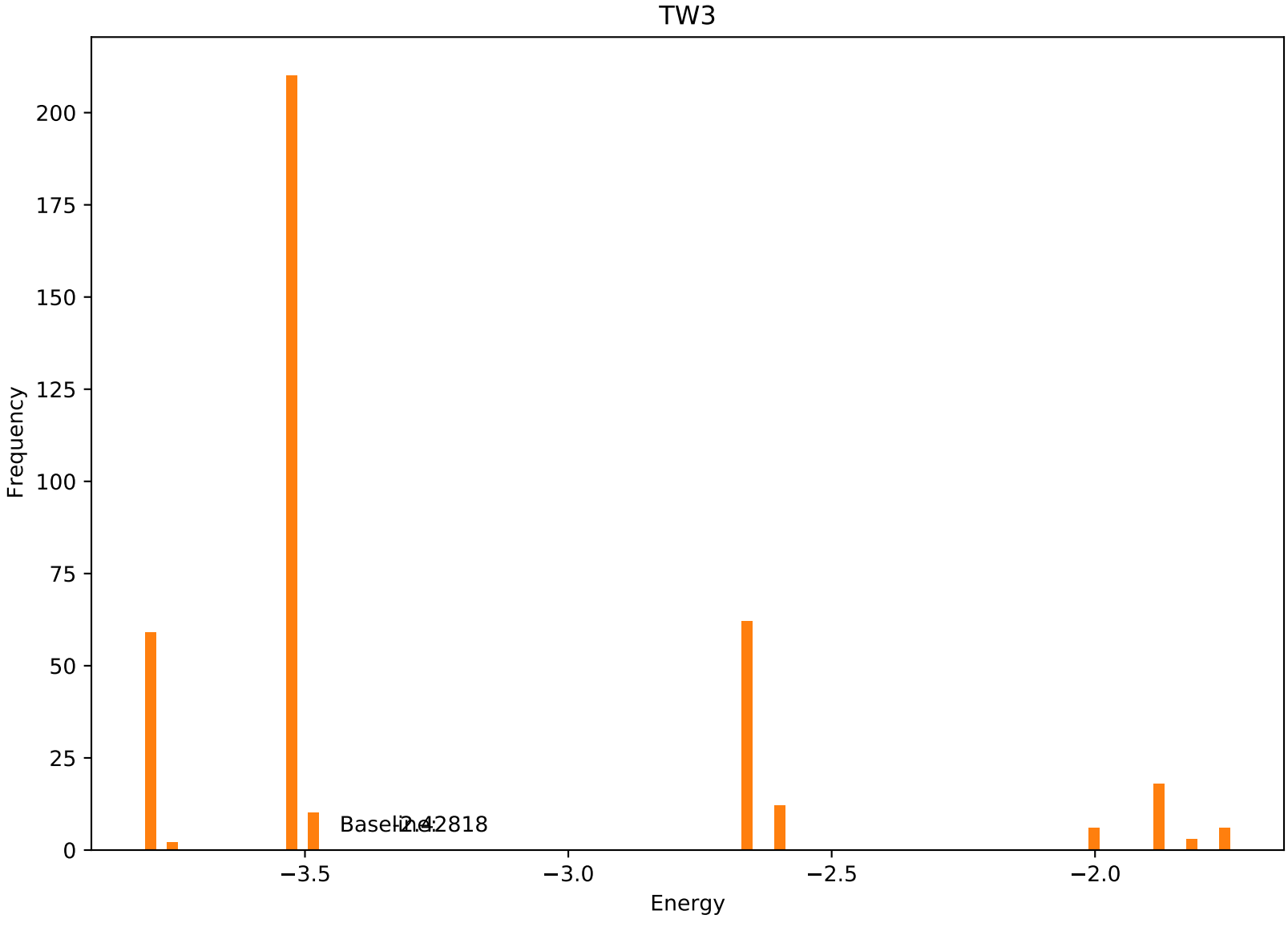

TV8
Frequency
250
200
150
100
50
0
−0.0078
−0.0077
−0.0076
−0.0075
−0.0074
−0.0073
−0.0072
−0.0071
Energy

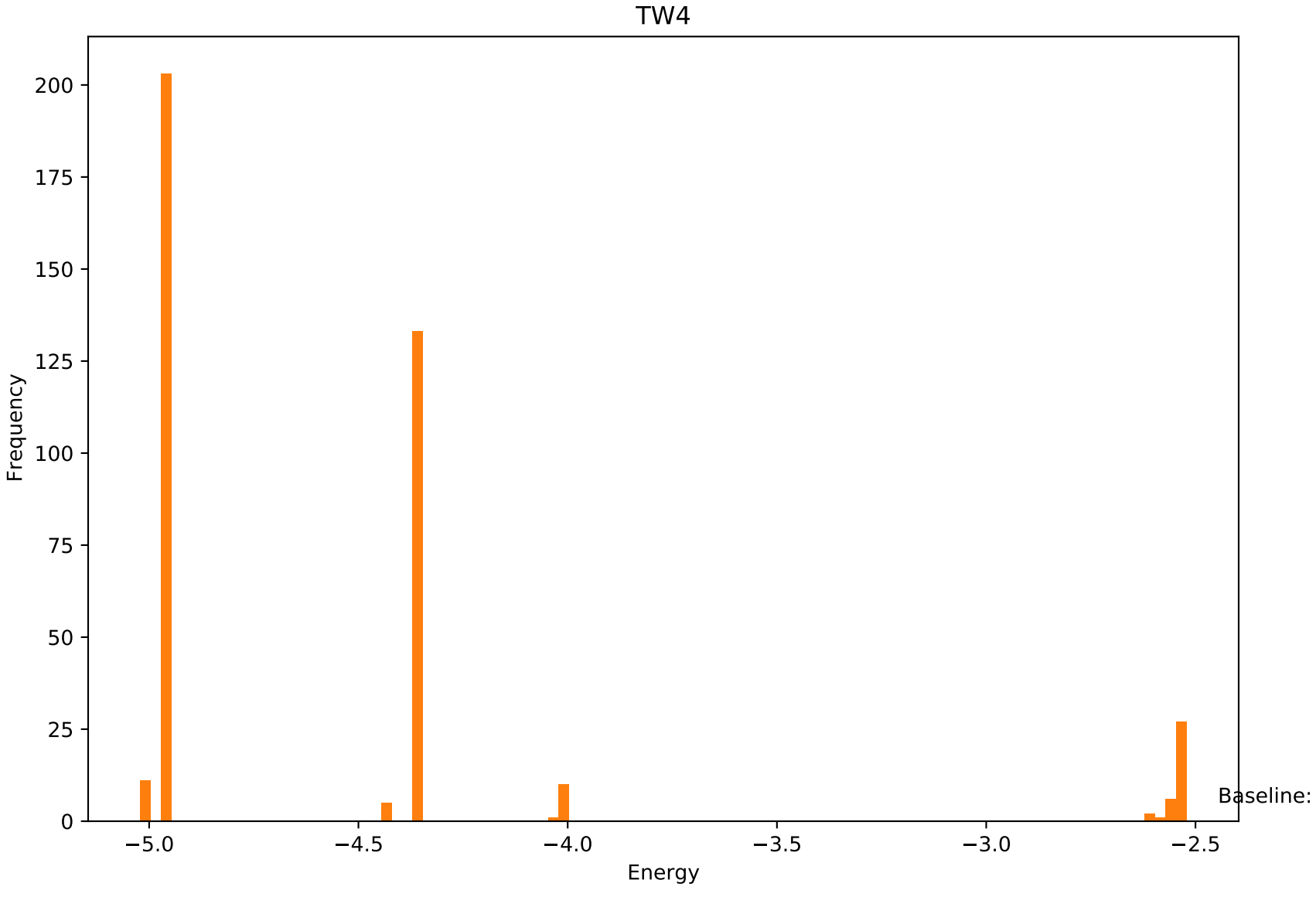

TV9
Frequency
0
5
10
15
20
25
30
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

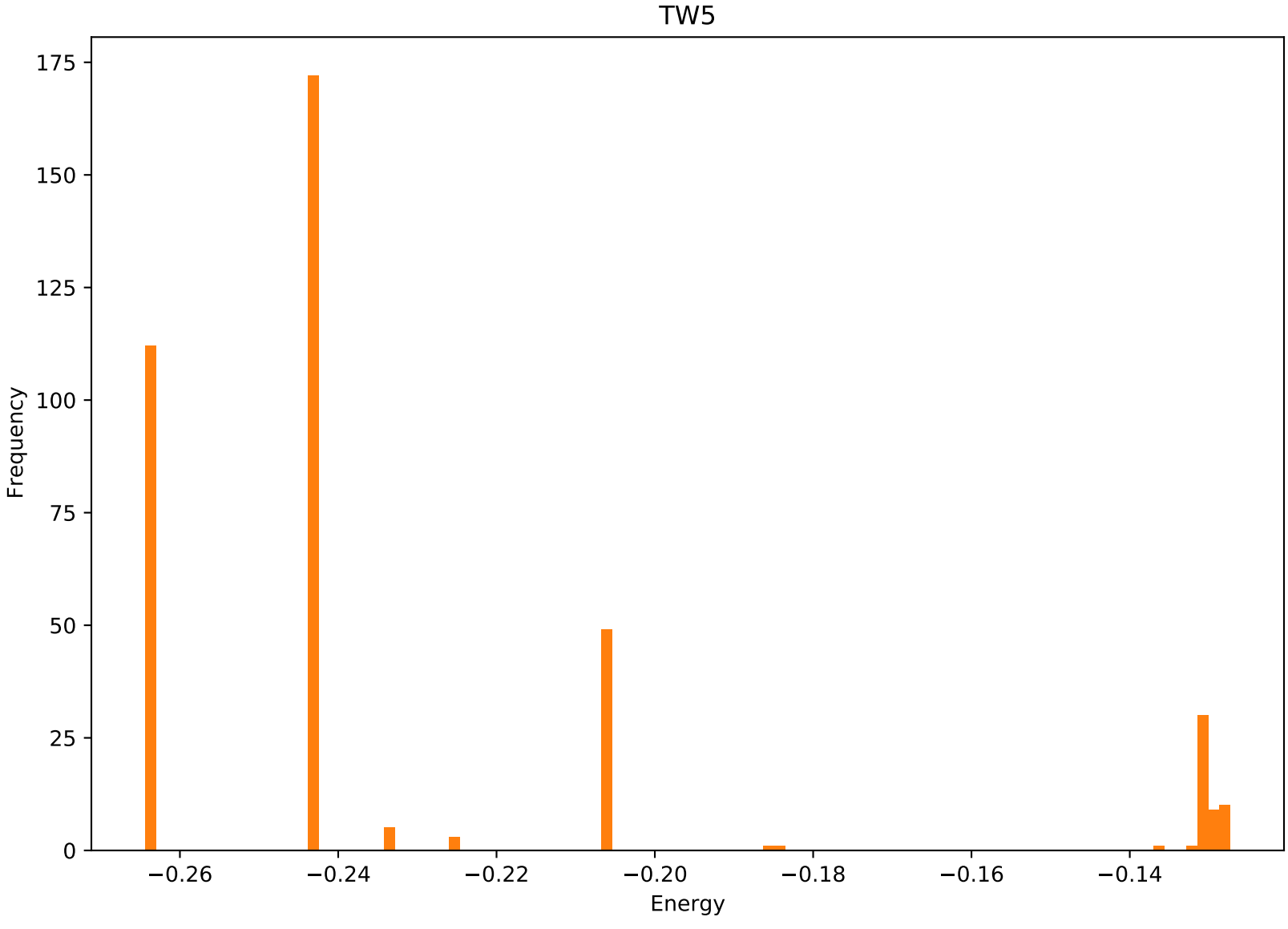

TW1
Frequency
160
140
120
100
80
60
40
20
0
1.0
1.2
1.4
1.6
1.8
Energy
Baseline:

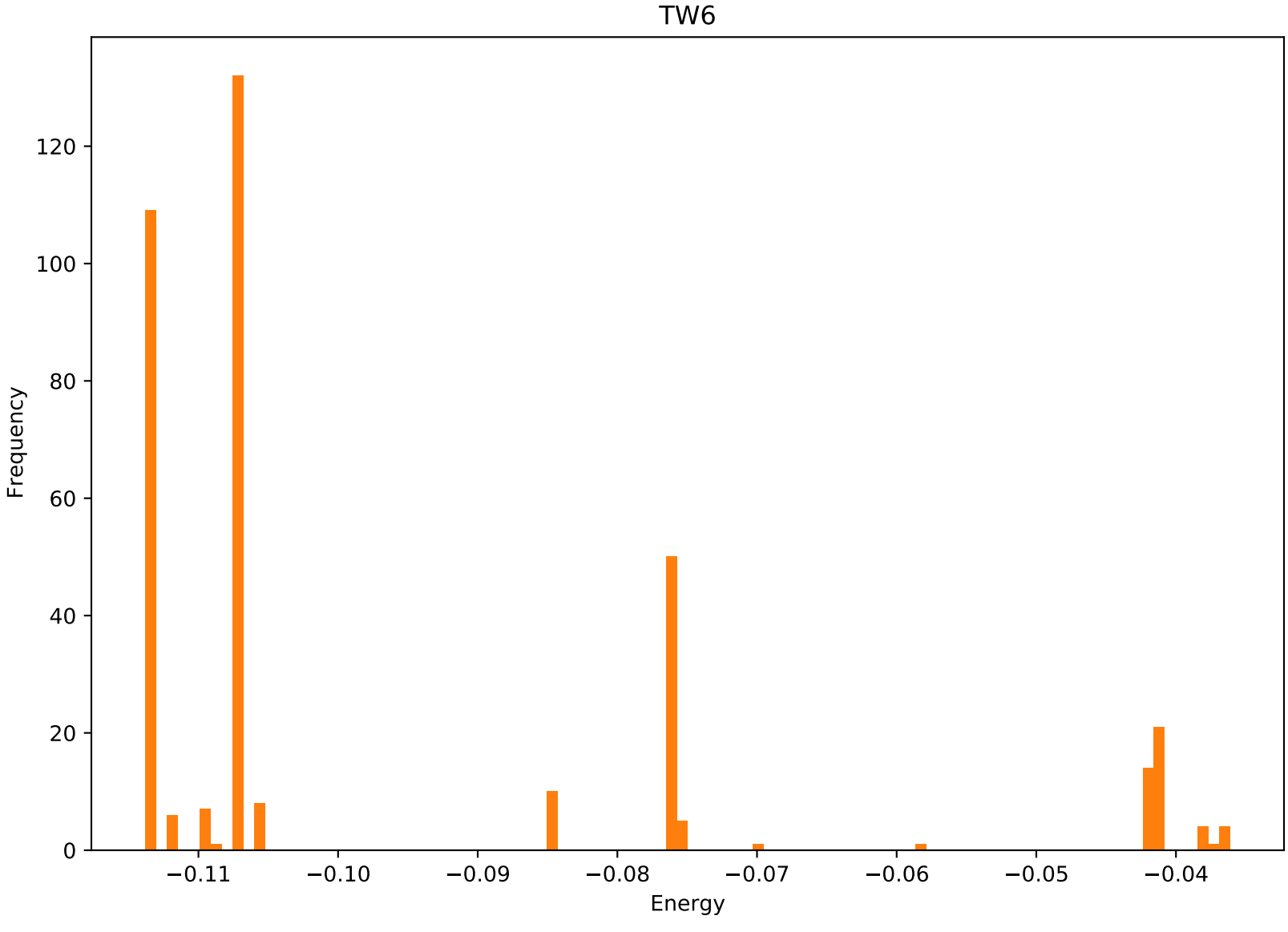

TW10
100
80
60
40
20
0
Frequency
−0.0020
−0.0015
−0.0010
−0.0005
0.0000
Energy

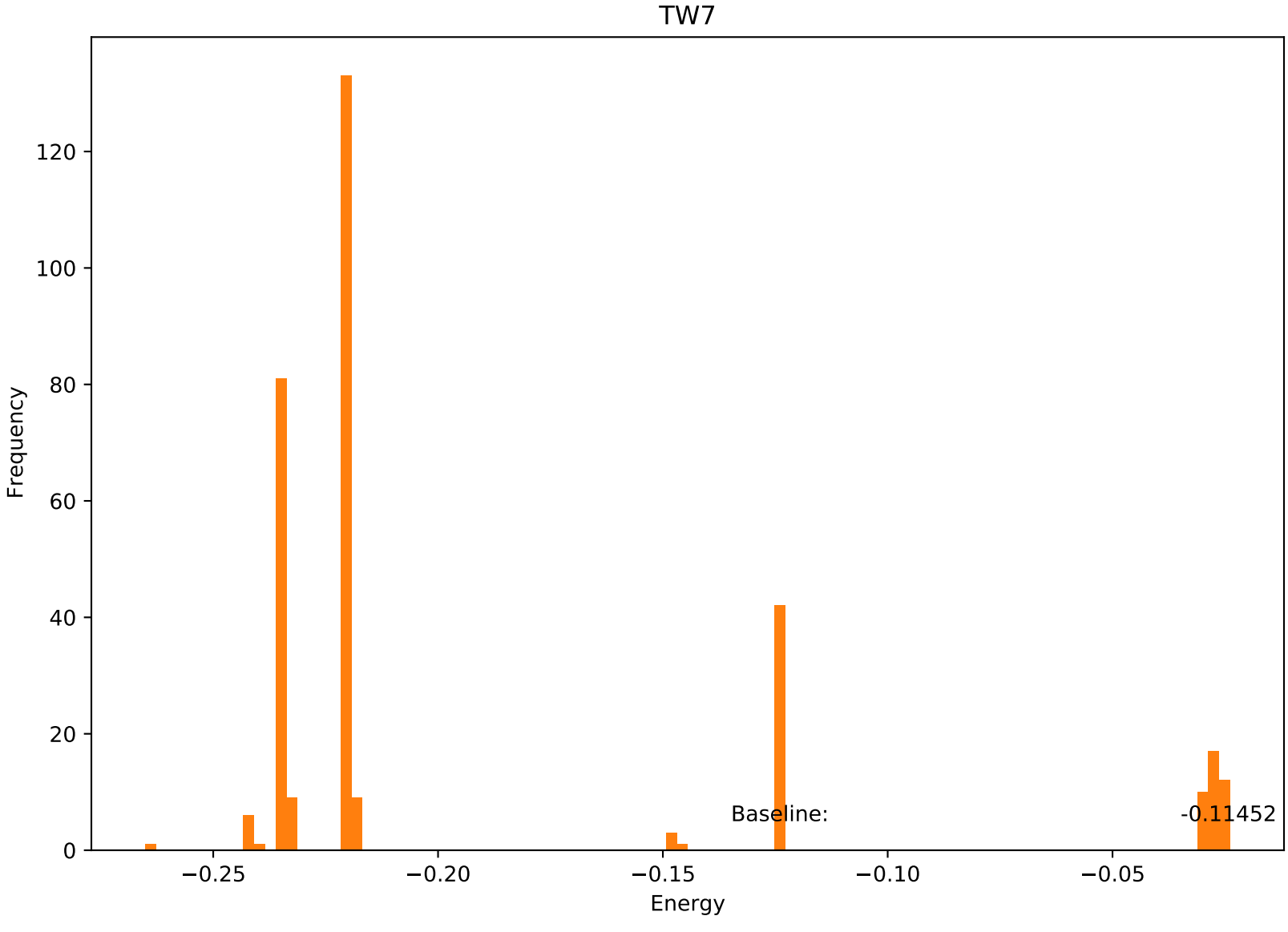

TW2
Frequency
Energy
Baseline:
0
25
50
75
100
125
150
175
−1.04
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90

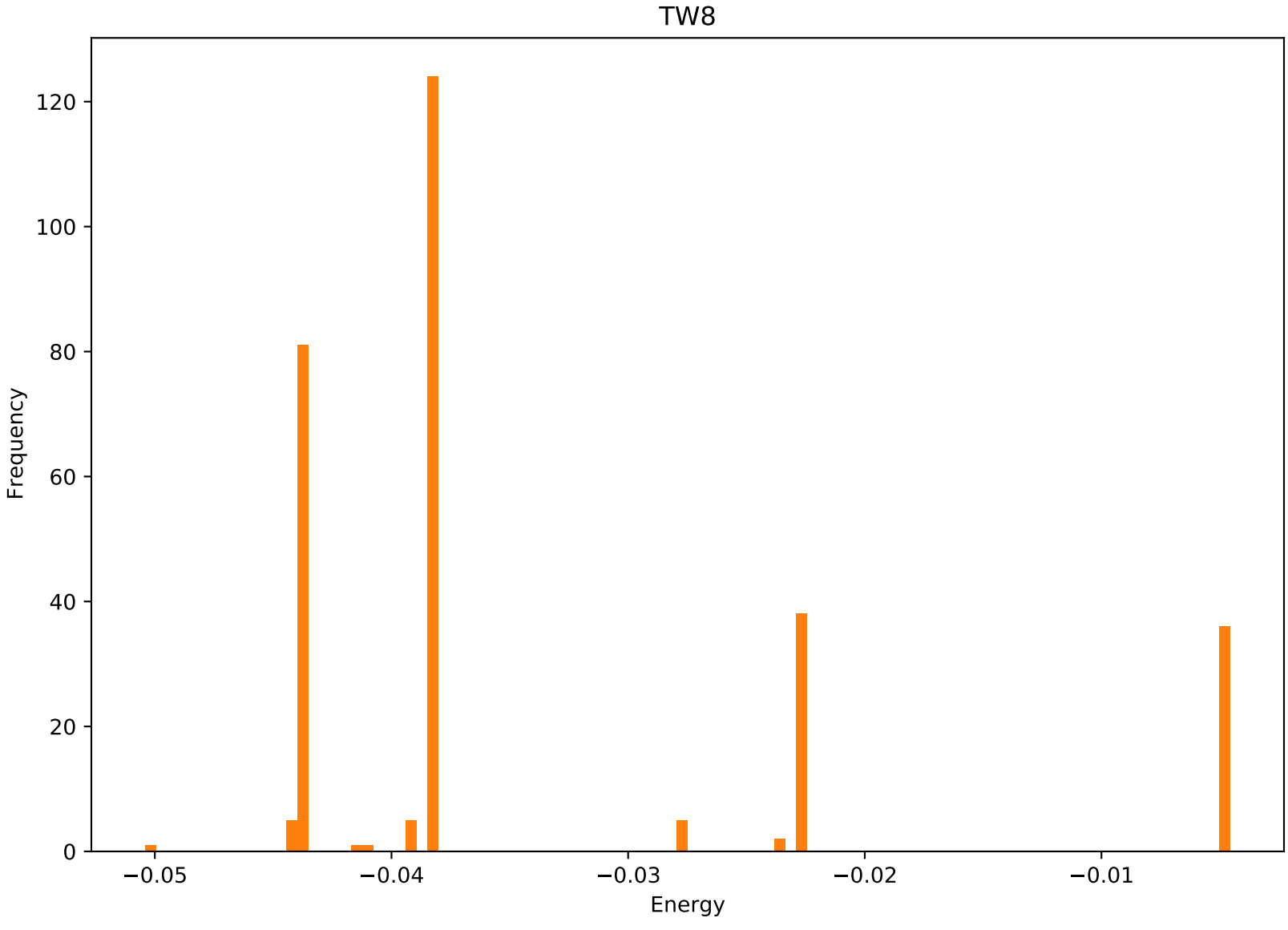

TW3
Frequency
200
175
150
125
100
75
50
25
0
−3.5
−3.0
−2.5
−2.0
Energy
Baseline: -2.2818

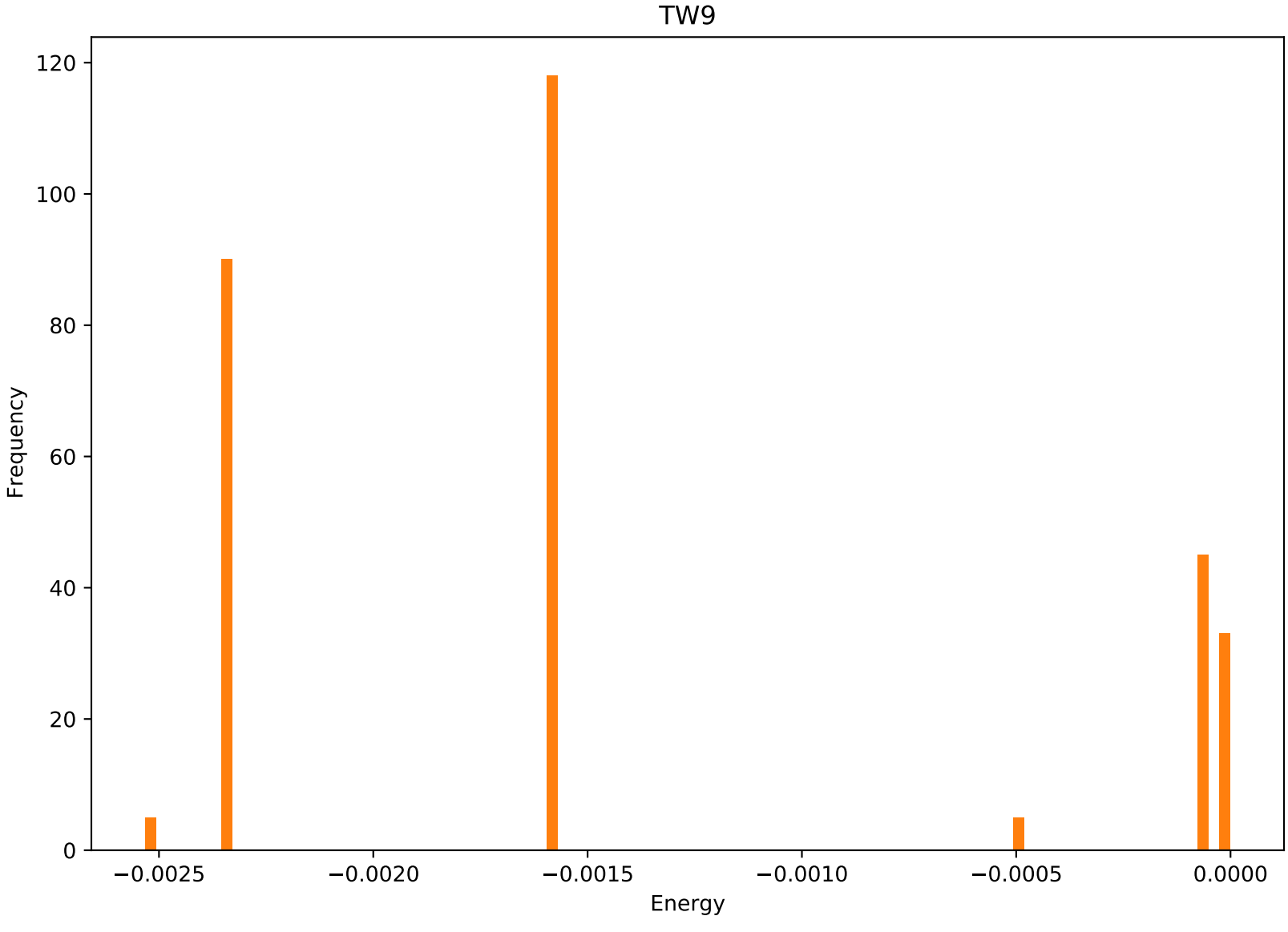

TW4
Frequency
200
175
150
125
100
75
50
25
0
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
Energy
Baseline:

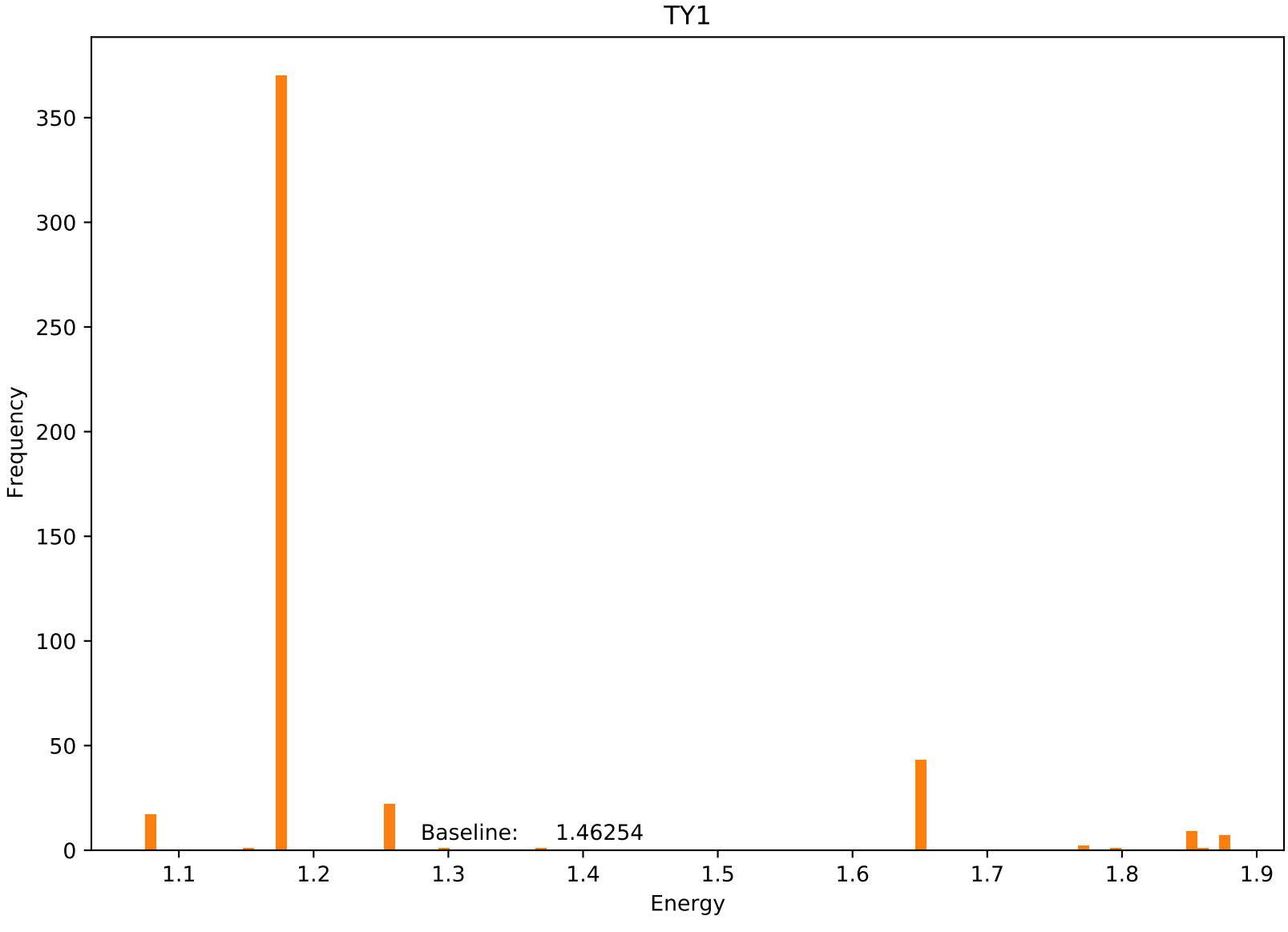

TW5
Frequency
Energy
175
150
125
100
75
50
25
0
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14

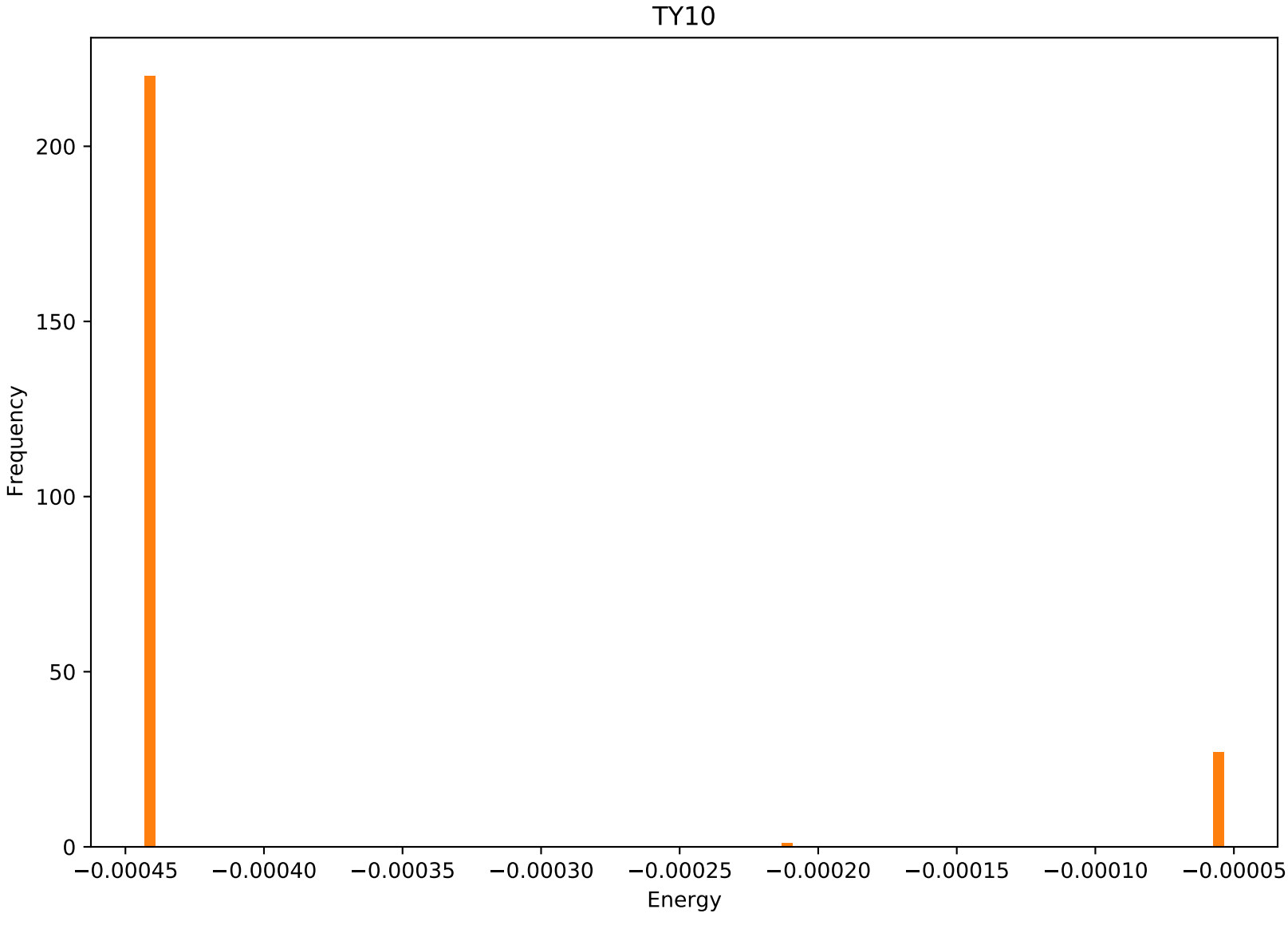

TW6
Frequency
Energy
0
20
40
60
80
100
120
−0.11
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

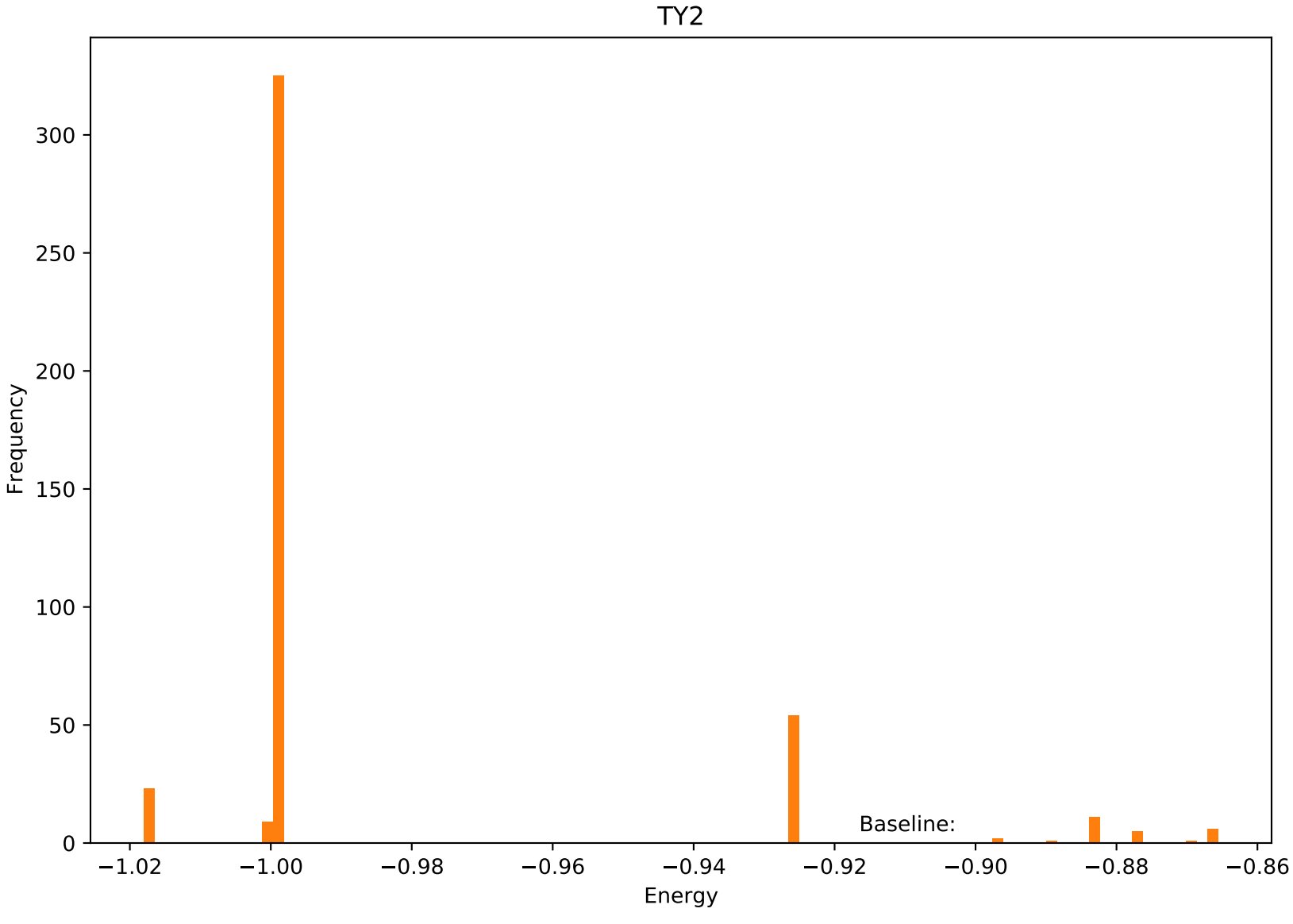

TW7
Frequency
120
100
80
60
40
20
0
−0.25
−0.20
−0.15
−0.10
−0.05
Energy
Baseline:
-0.11452

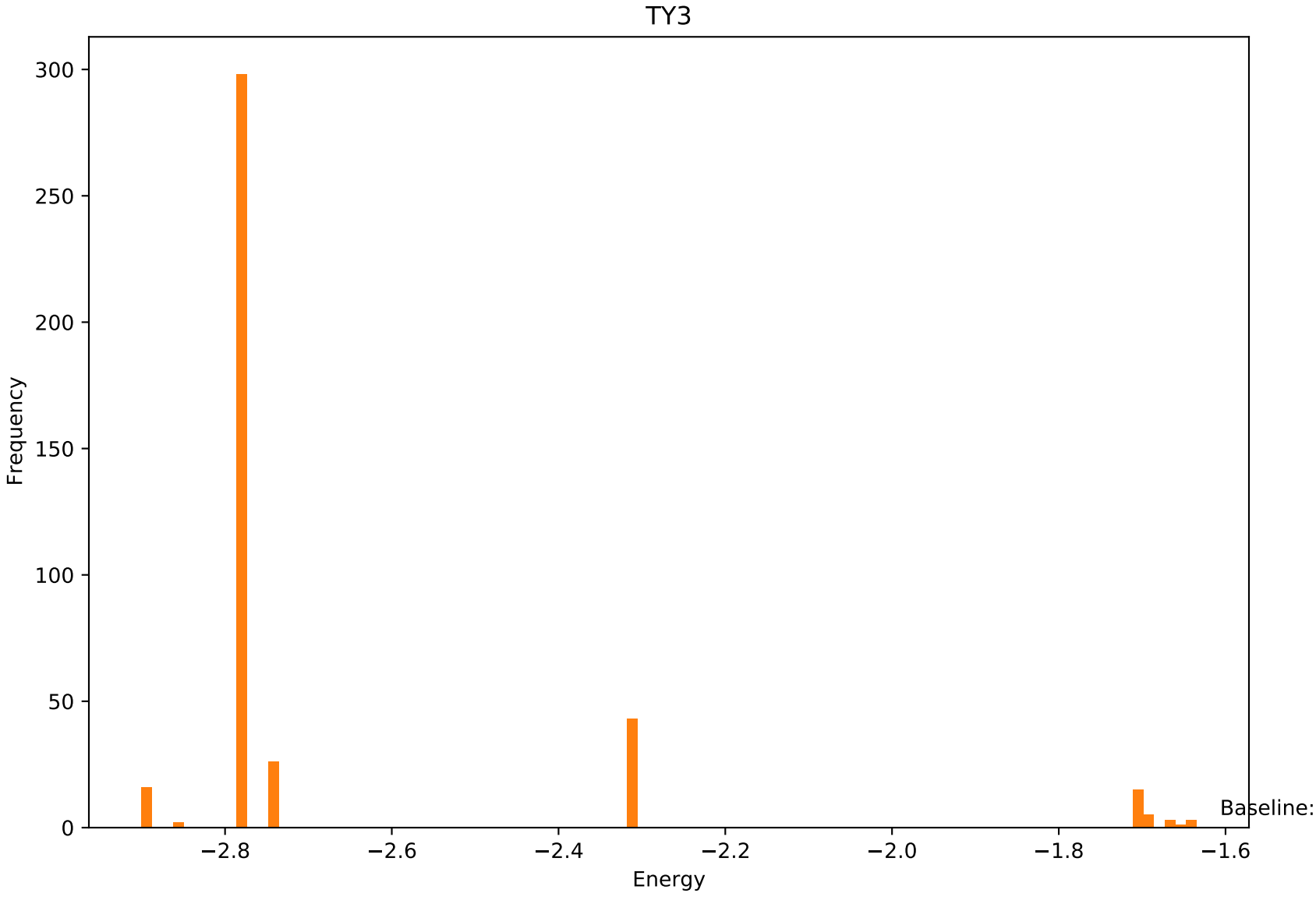

TW8
Frequency
Energy
0
20
40
60
80
100
120
−0.05
−0.04
−0.03
−0.02
−0.01

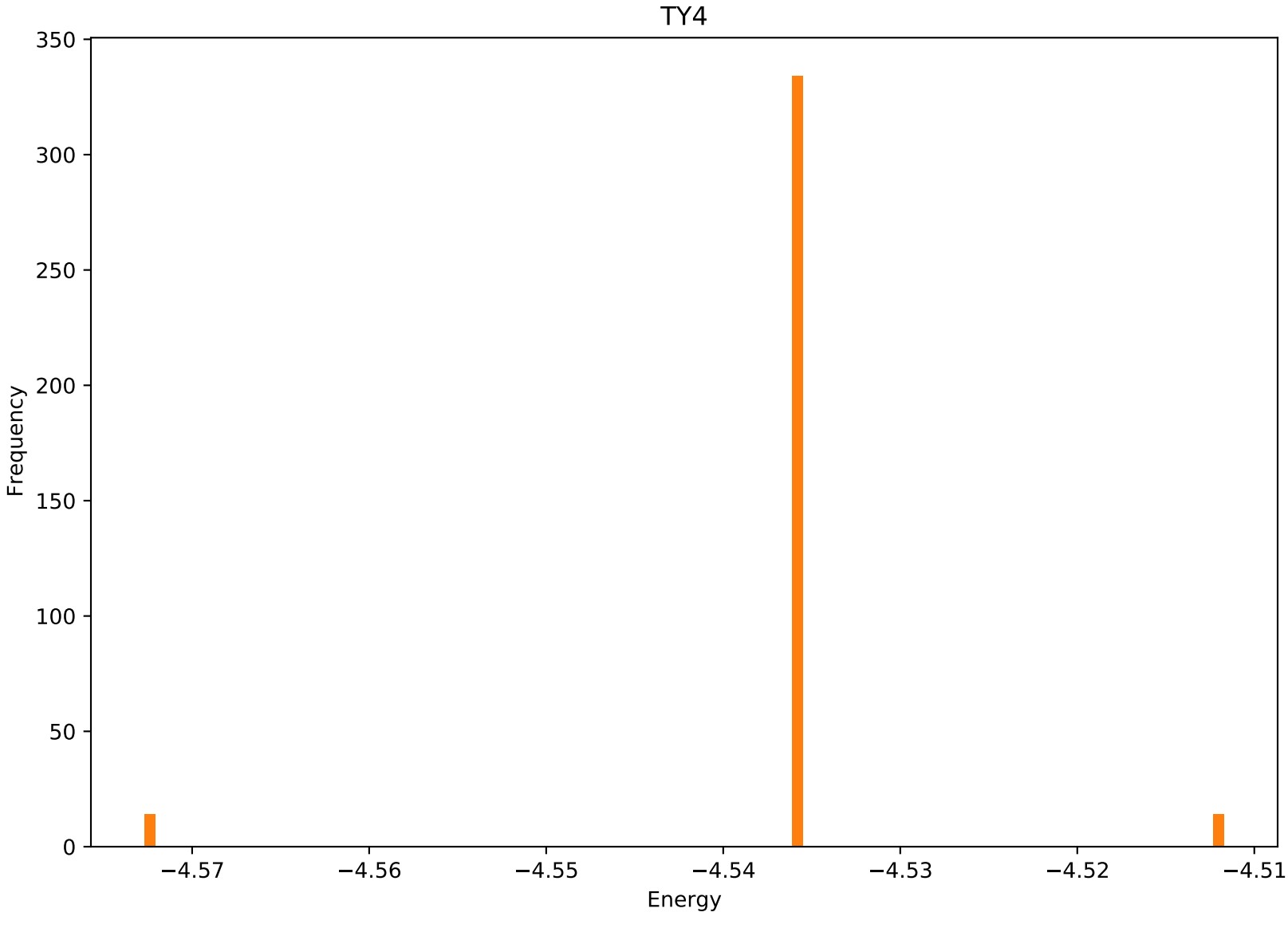

TW9
120
100
80
60
40
20
0
Frequency
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000
Energy

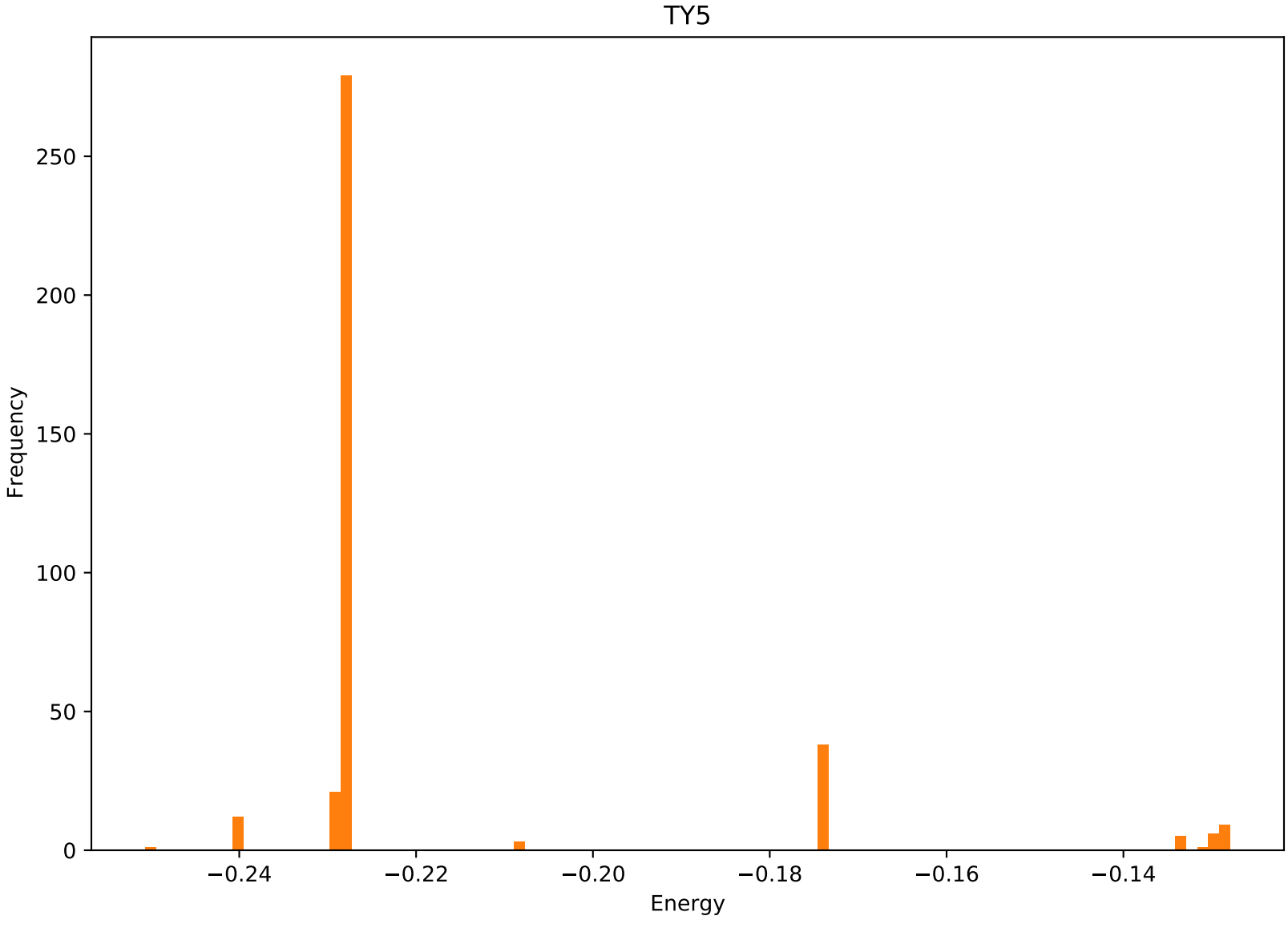

TY1
Frequency
Energy
Baseline: 1.46254
0
50
100
150
200
250
300
350
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9

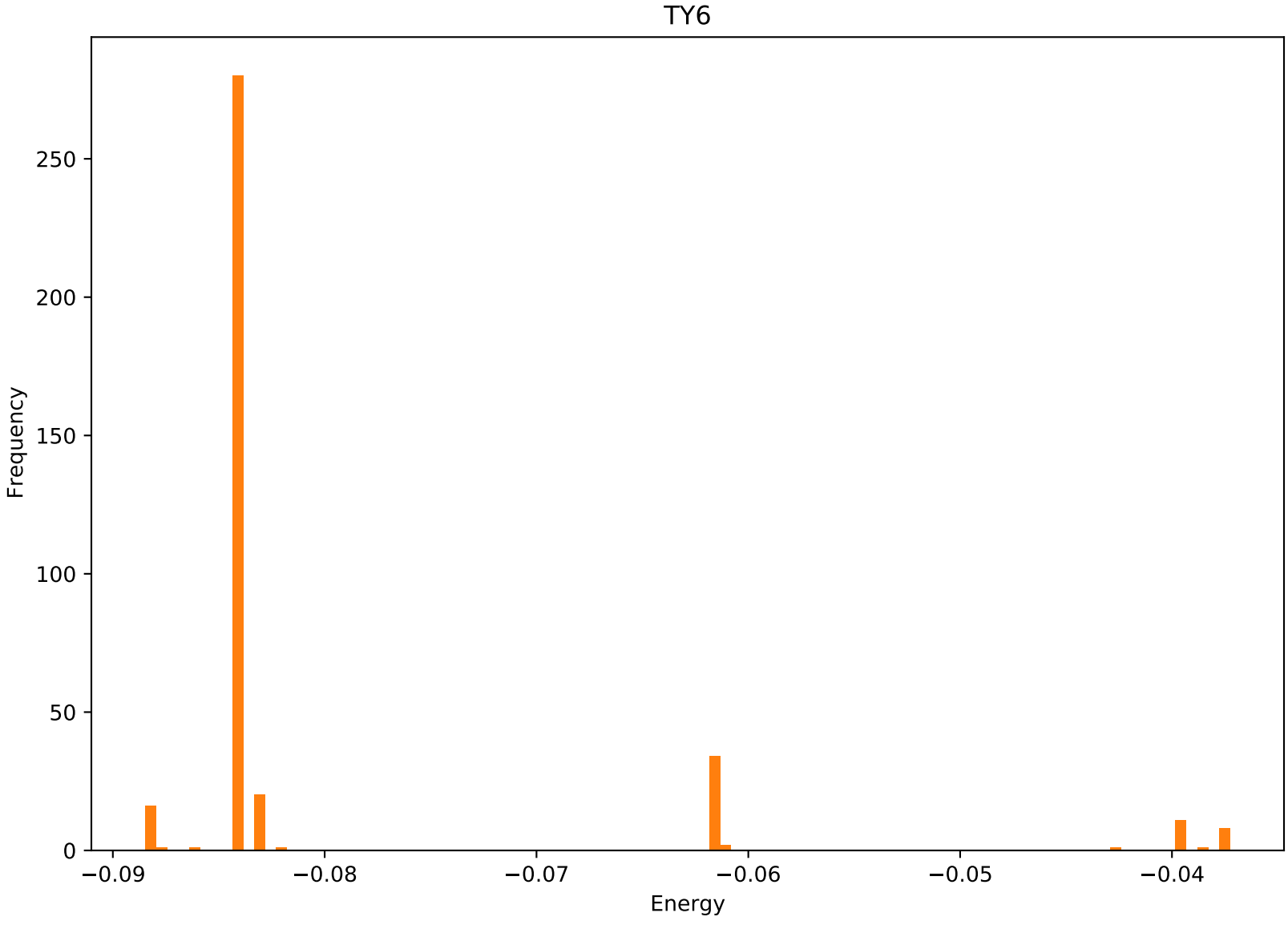

TY10
Frequency
200
150
100
50
0
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy

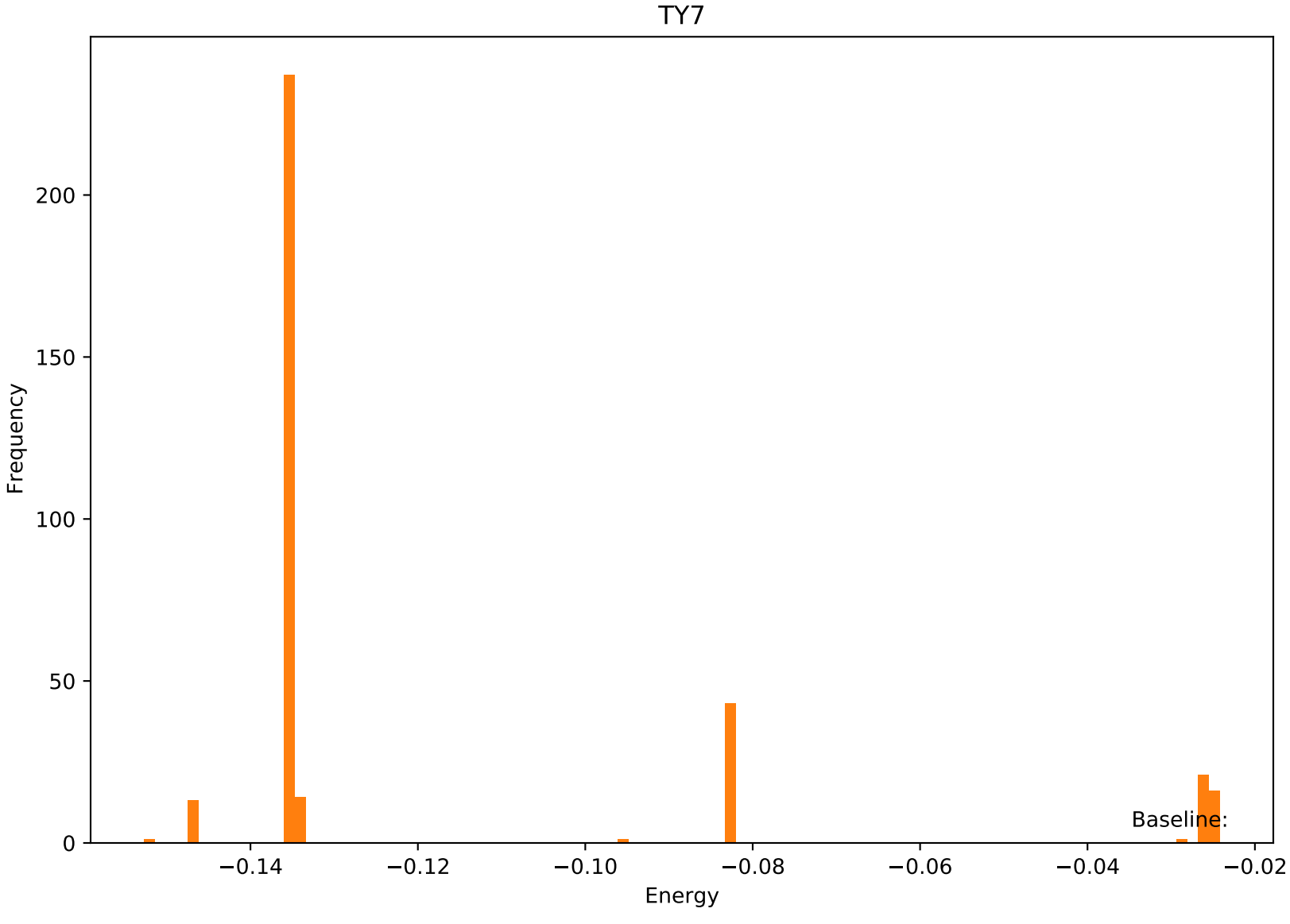

TY2
Frequency
300
250
200
150
100
50
0
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88
−0.86
Energy
Baseline:

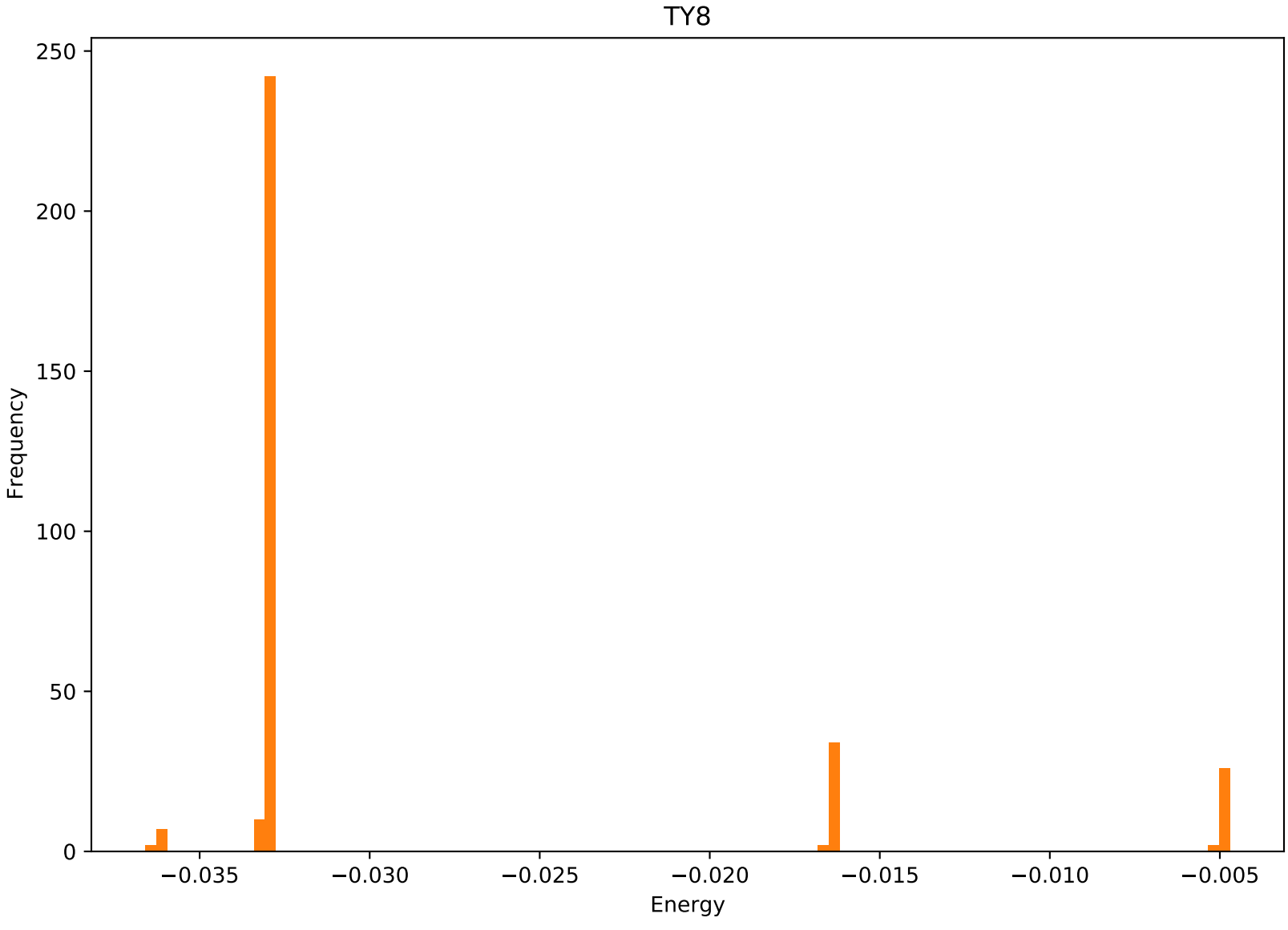

TY3
Frequency
Energy
0
50
100
150
200
250
300
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8
−1.6
Baseline:

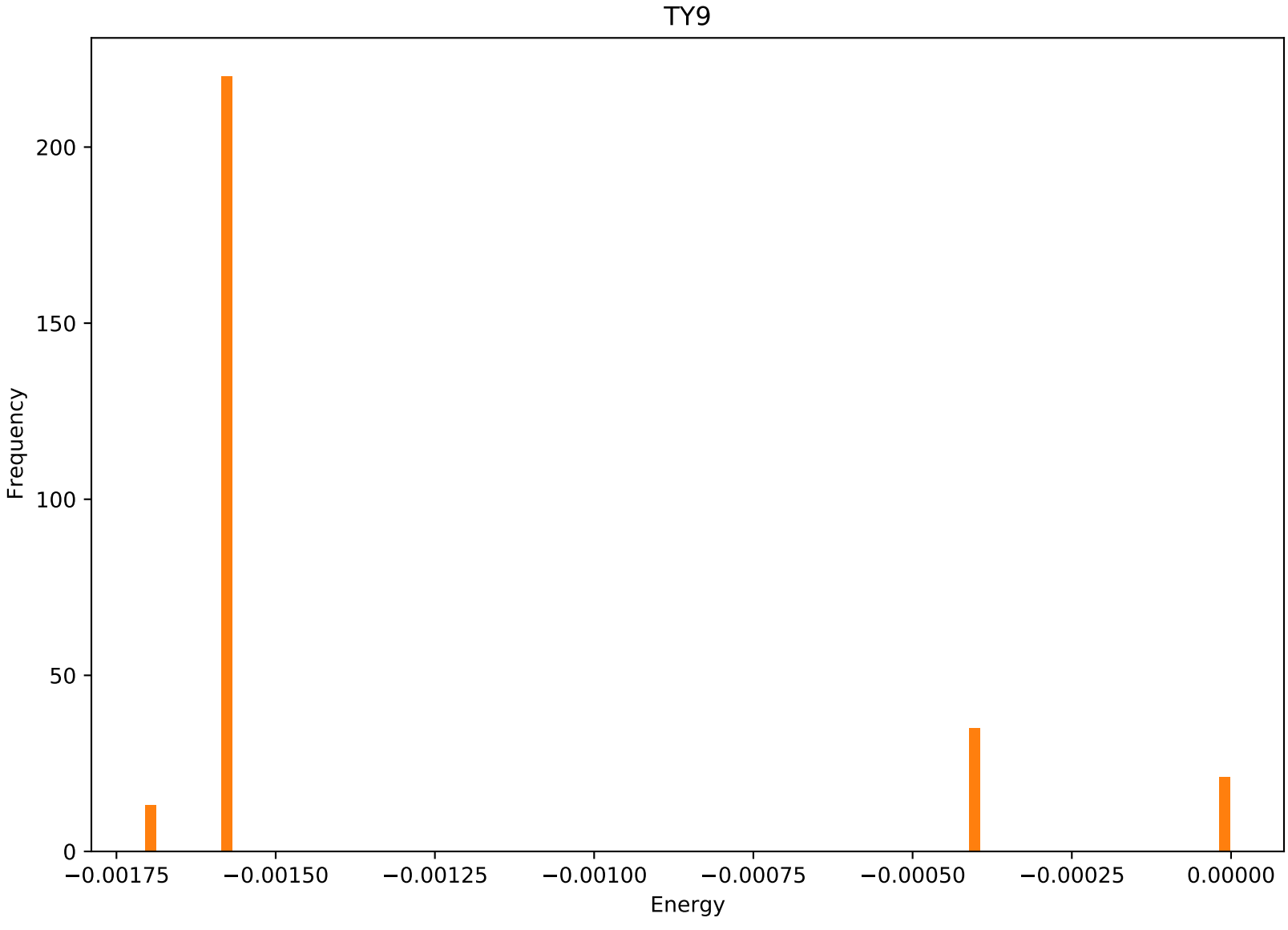

TY4
350
300
250
200
150
100
50
0
Frequency
−4.57
−4.56
−4.55
−4.54
−4.53
−4.52
−4.51
Energy

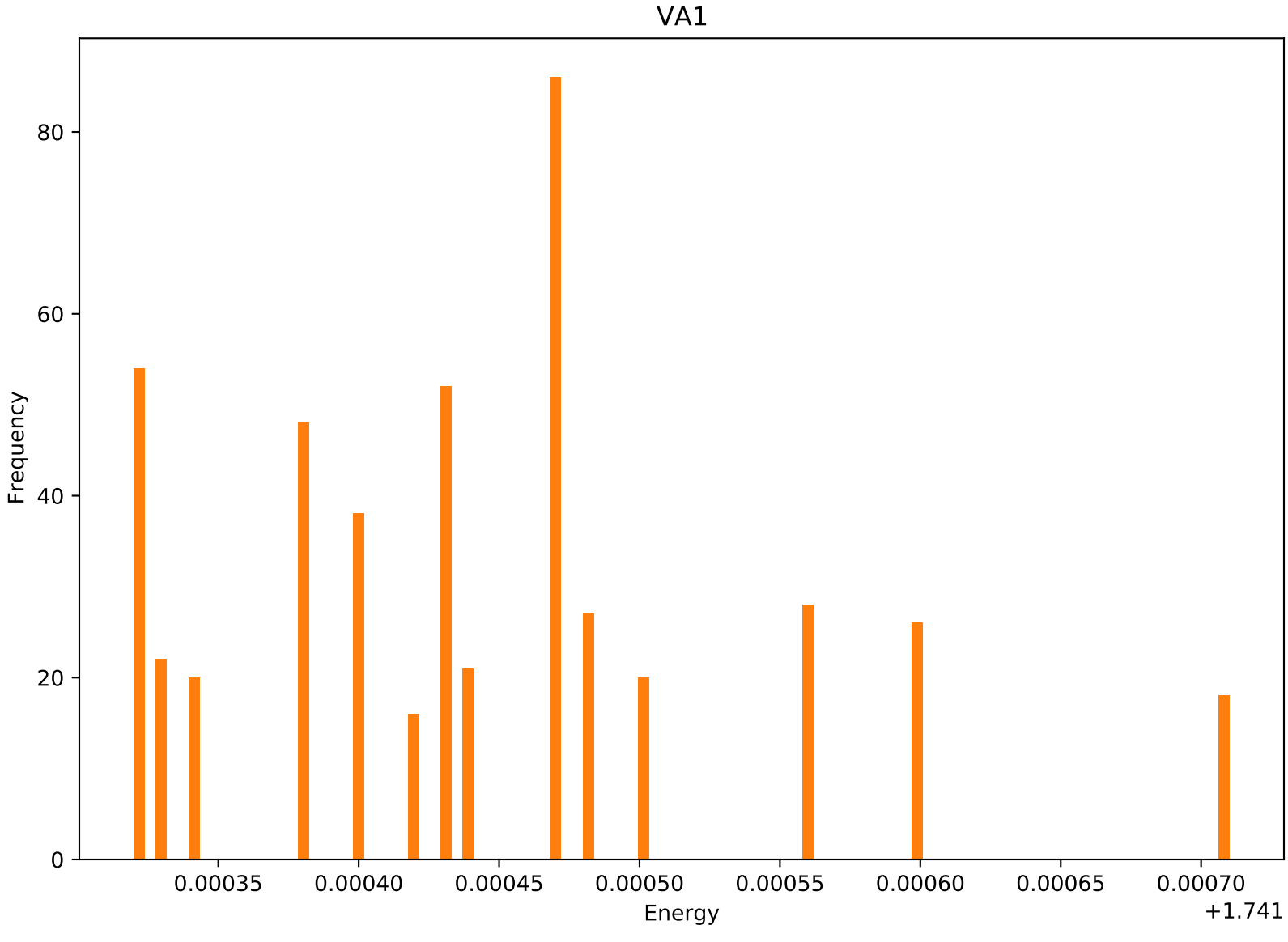

TY5
Frequency
250
200
150
100
50
0
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

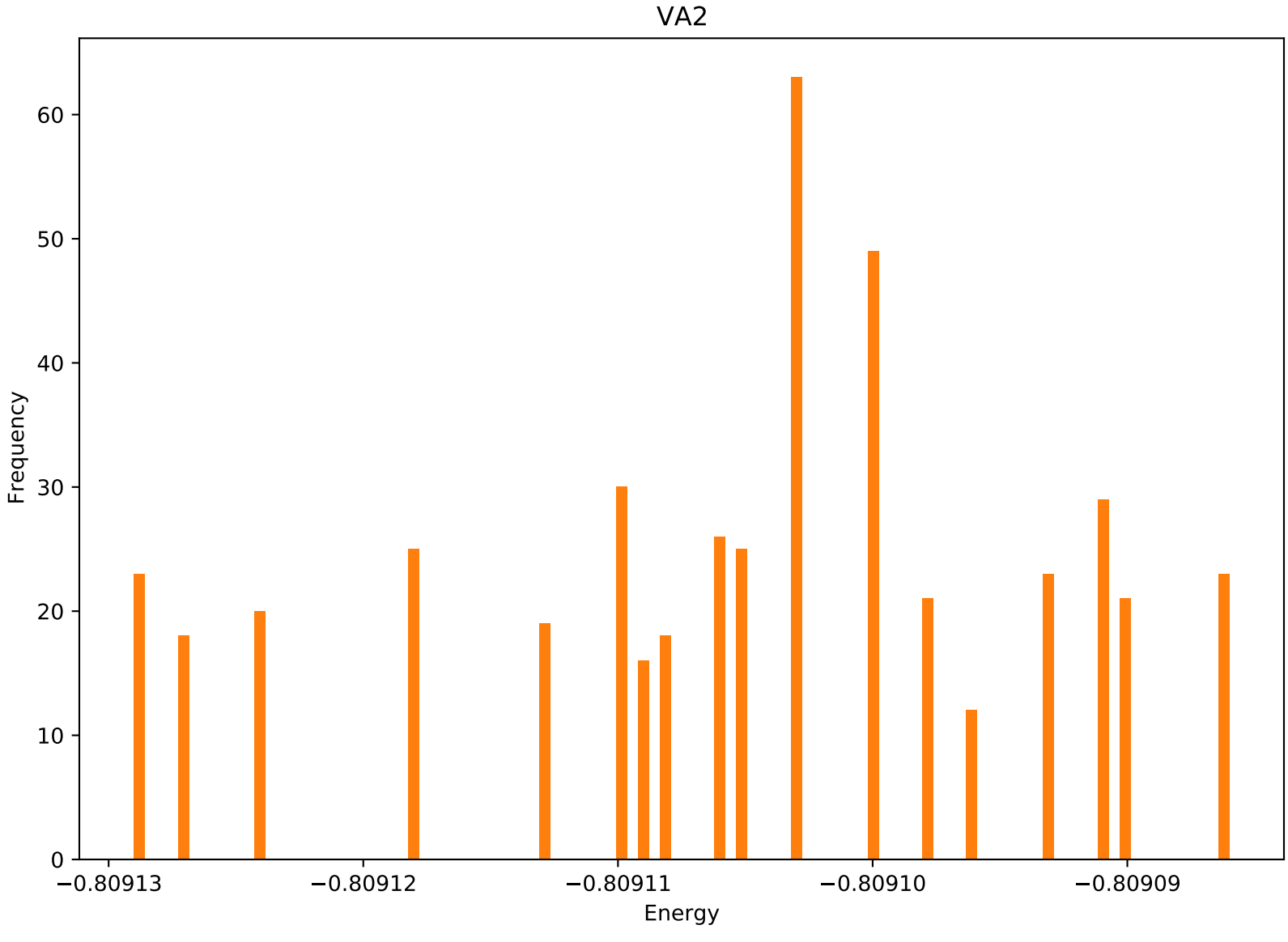

TY6
Frequency
250
200
150
100
50
0
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

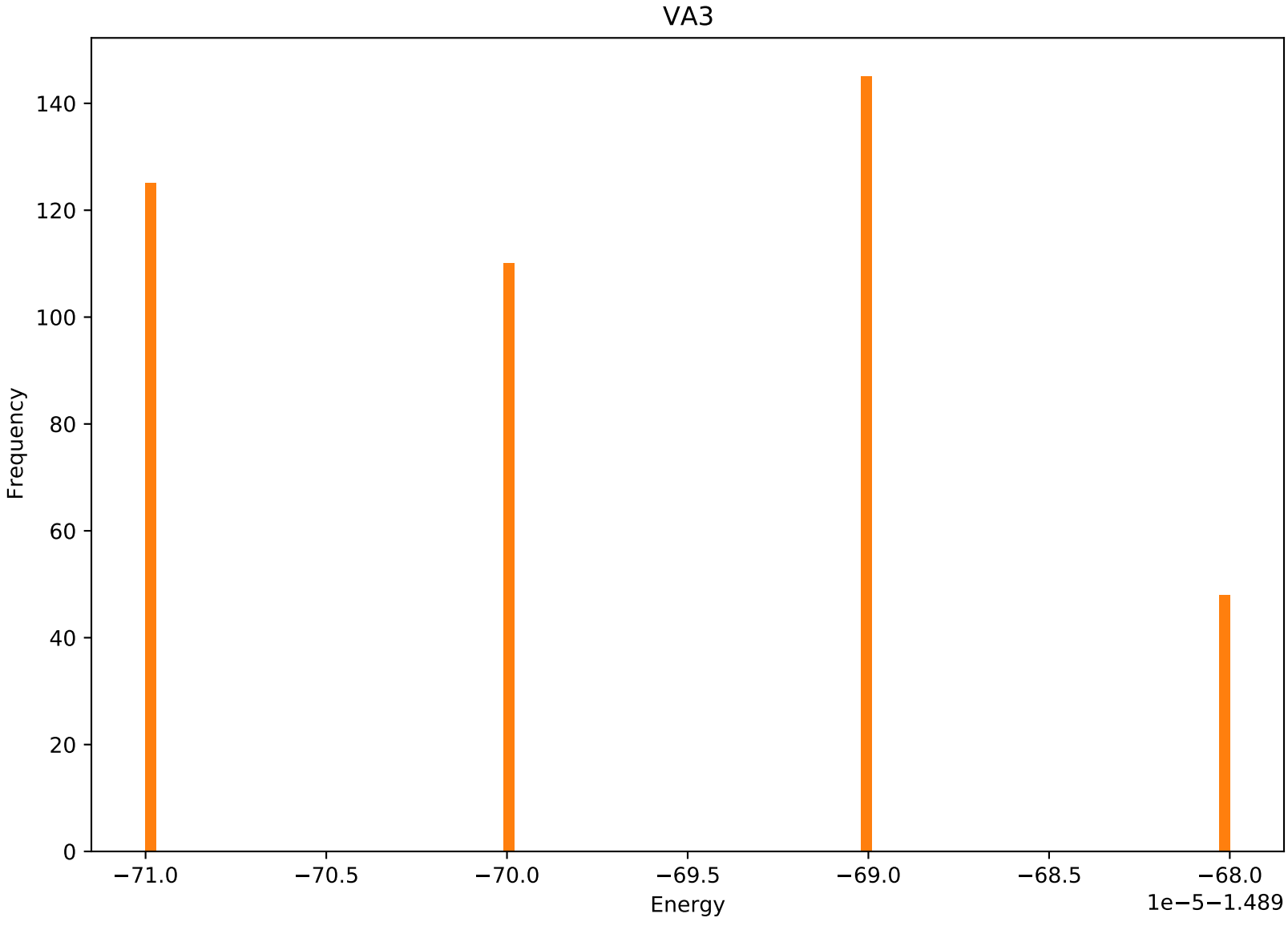

TY7
Frequency
200
150
100
50
0
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
−0.02
Energy
Baseline:

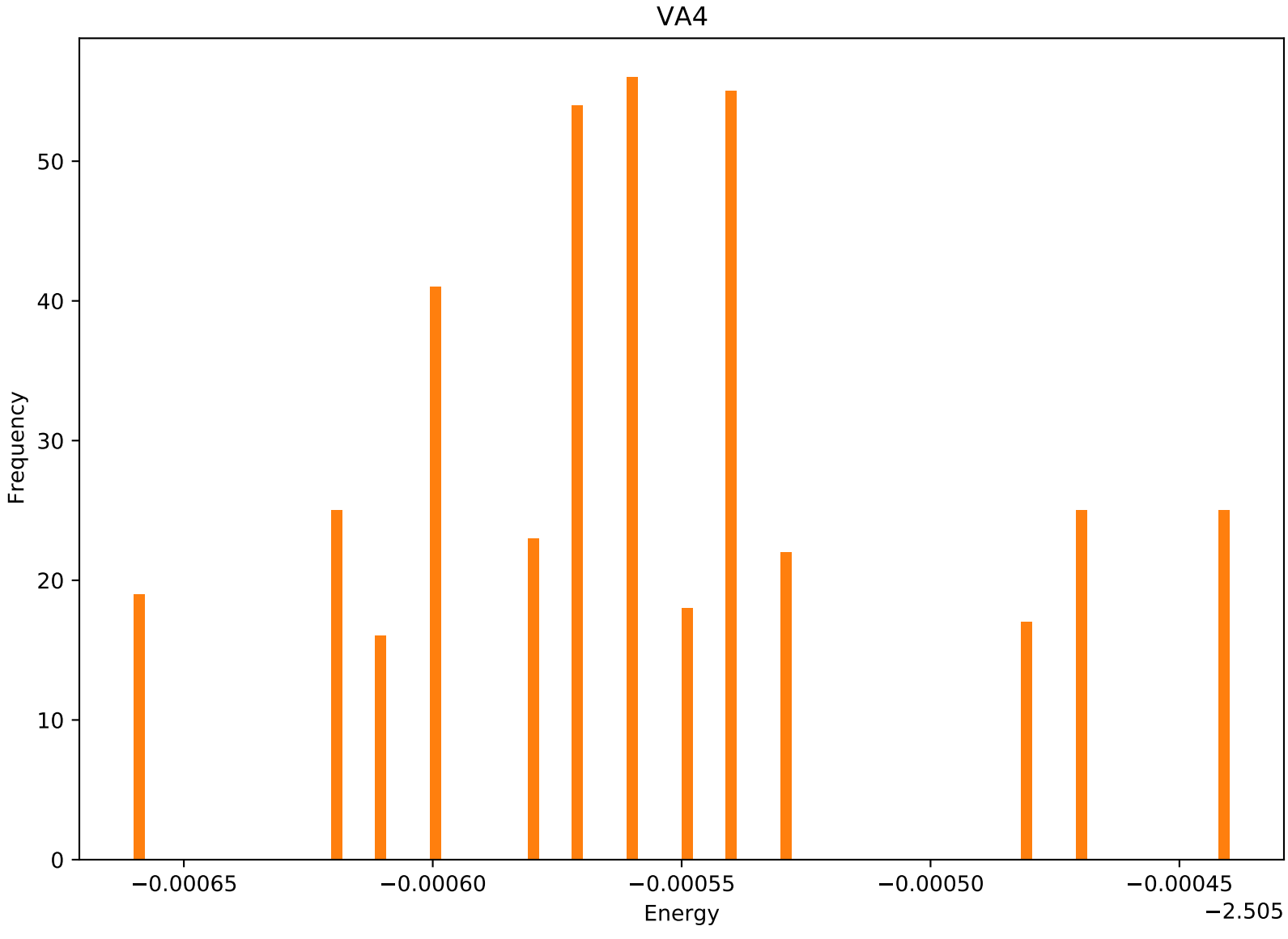

TY8
250
200
150
100
50
0
Frequency
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

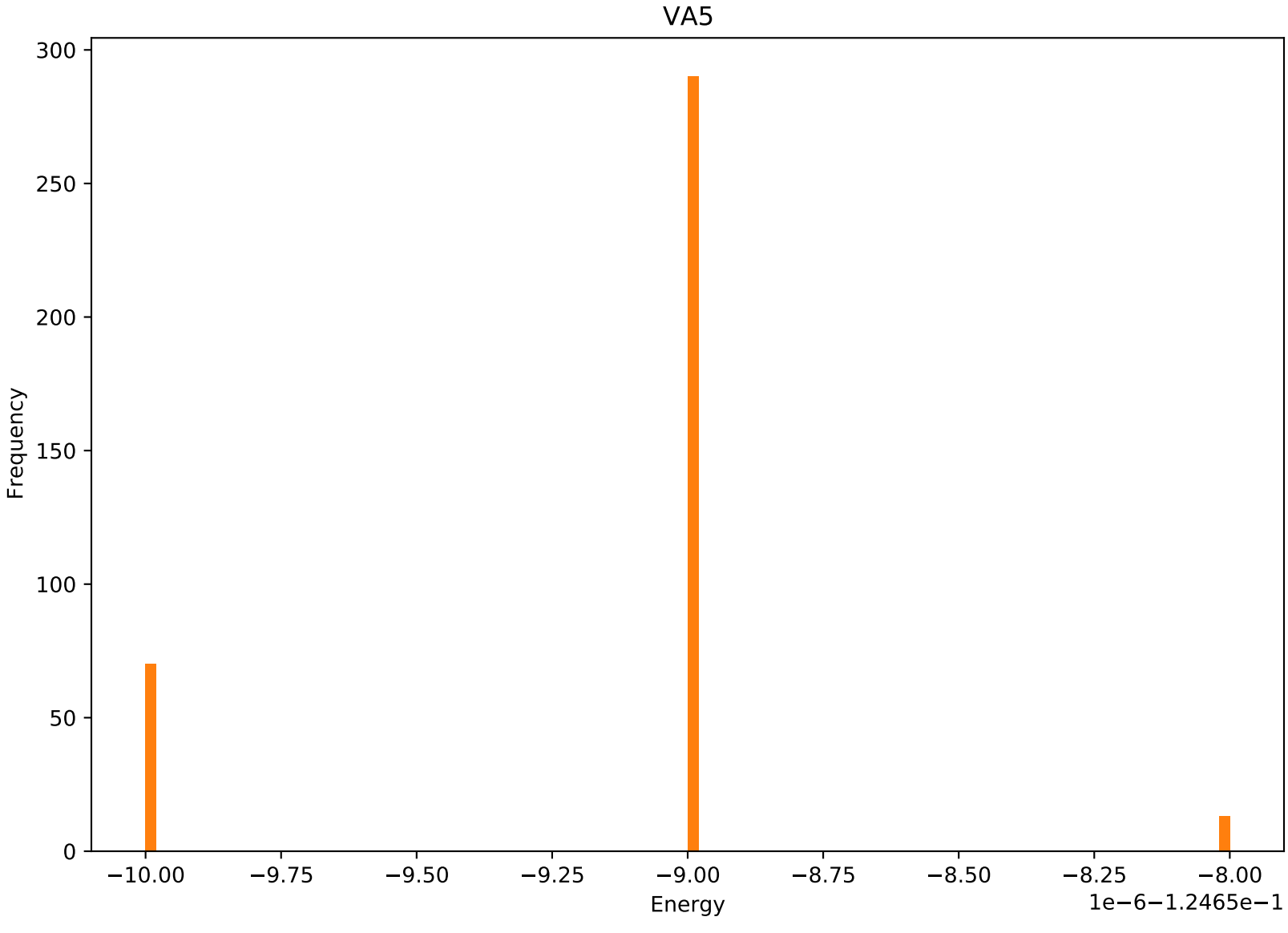

TY9
Frequency
200
150
100
50
0
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000
Energy

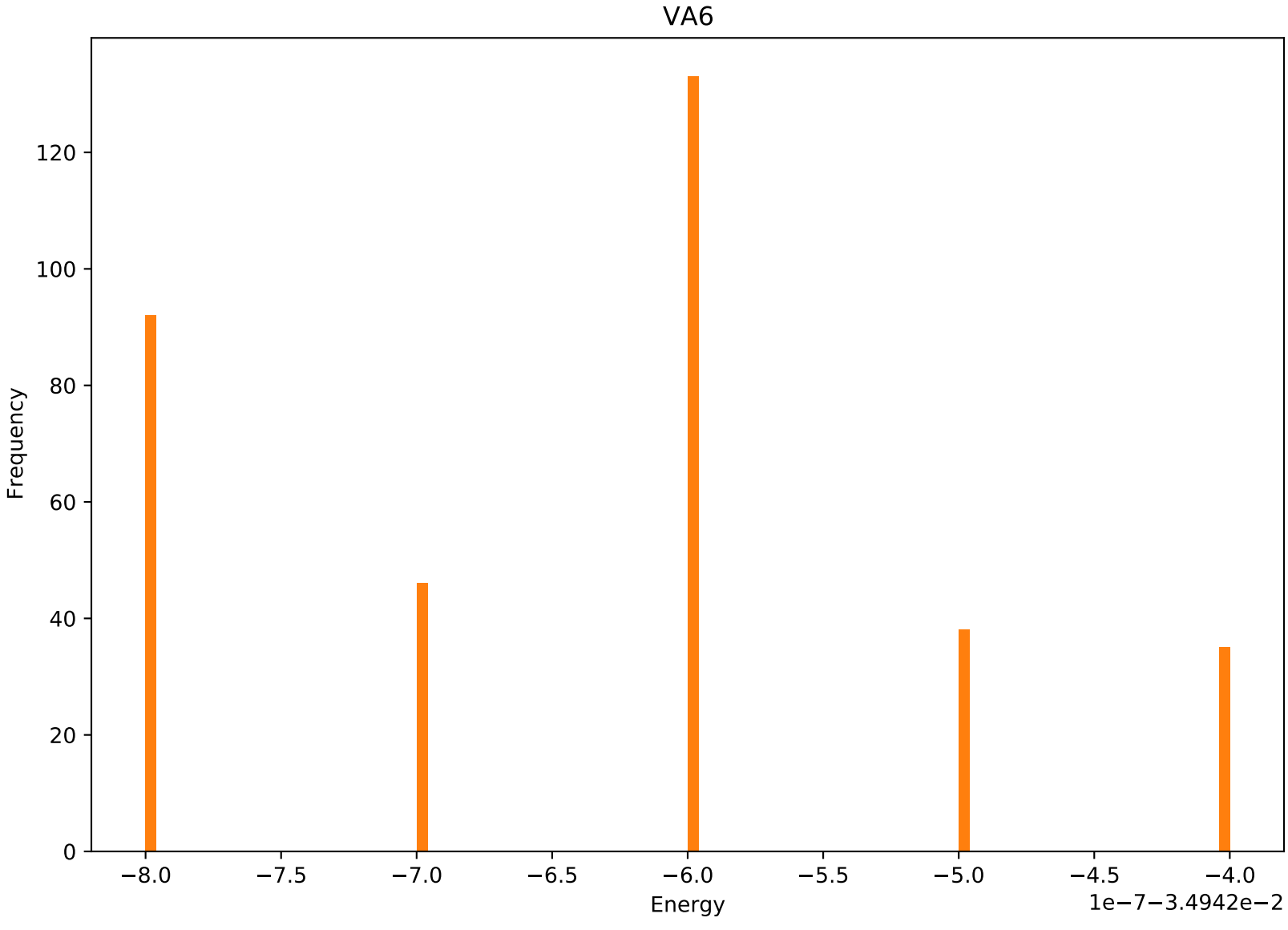

VA1
Frequency
0
20
40
60
80
0.00035
0.00040
0.00045
0.00050
0.00055
0.00060
0.00065
0.00070
Energy
+1.741

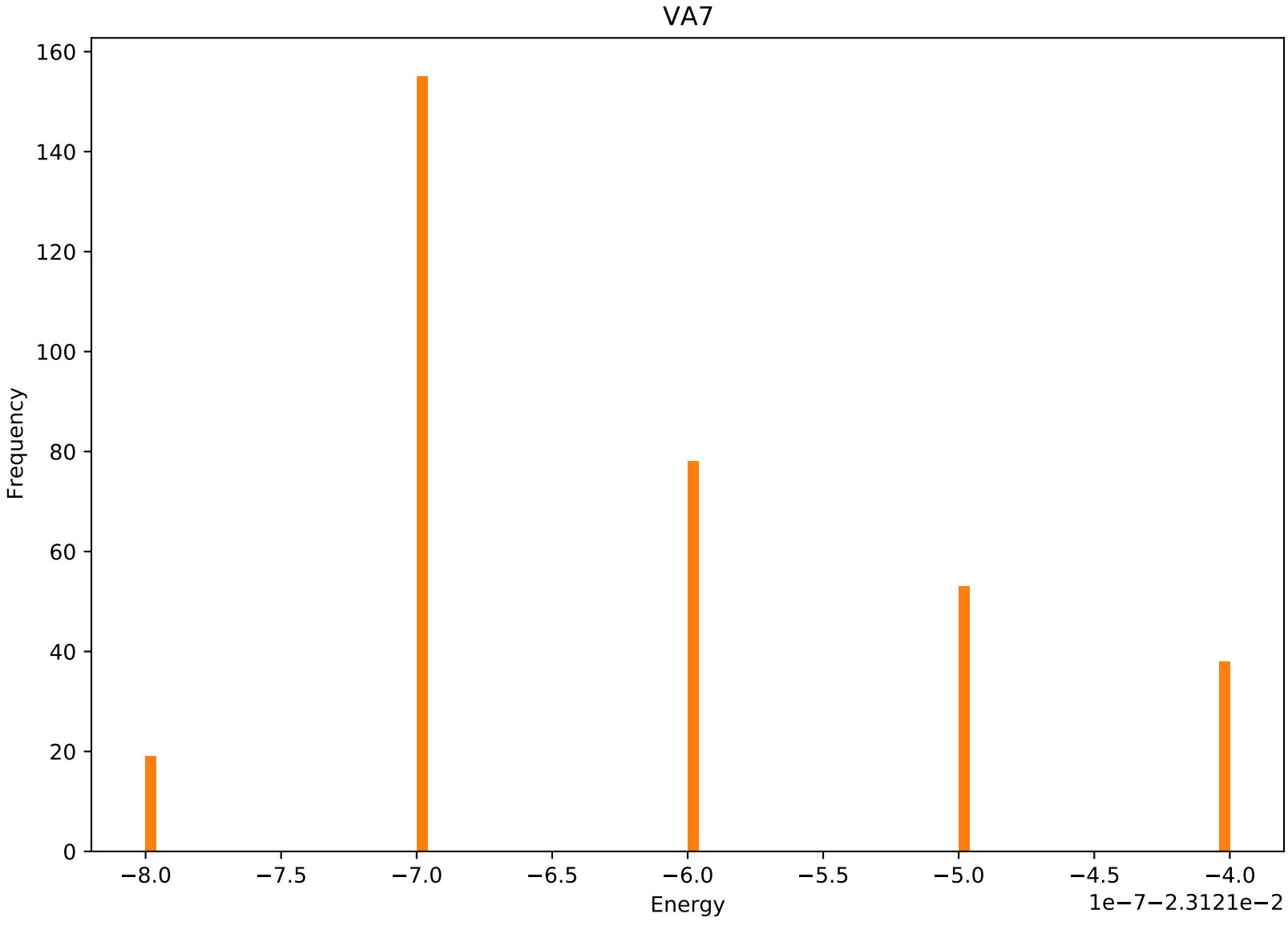

VA2
Frequency
0
10
20
30
40
50
60
−0.80913
−0.80912
−0.80911
−0.80910
−0.80909
Energy

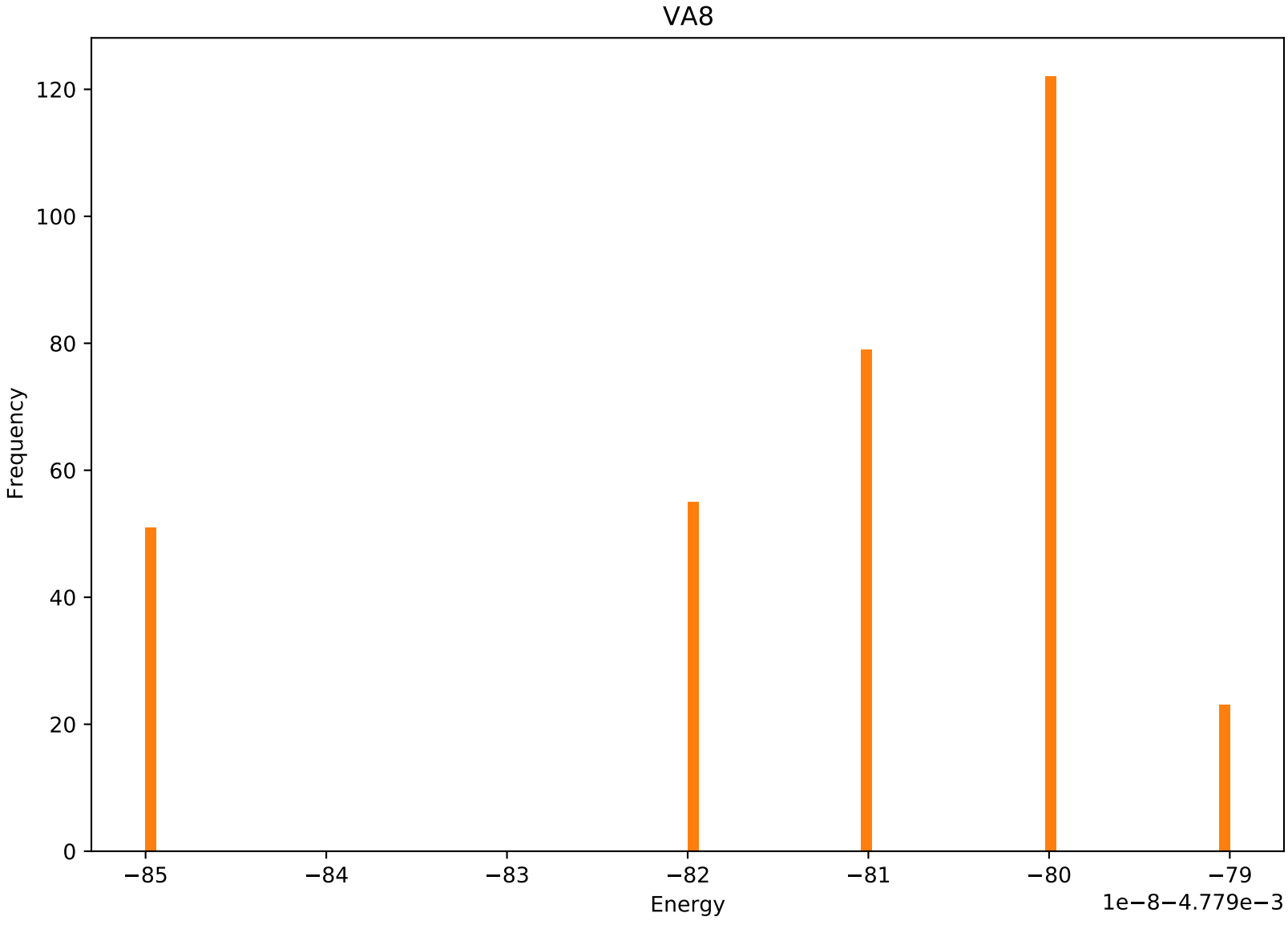

VA3
Frequency
0
20
40
60
80
100
120
140
−71.0
−70.5
−70.0
−69.5
−69.0
−68.5
−68.0
Energy
1e−5−1.489

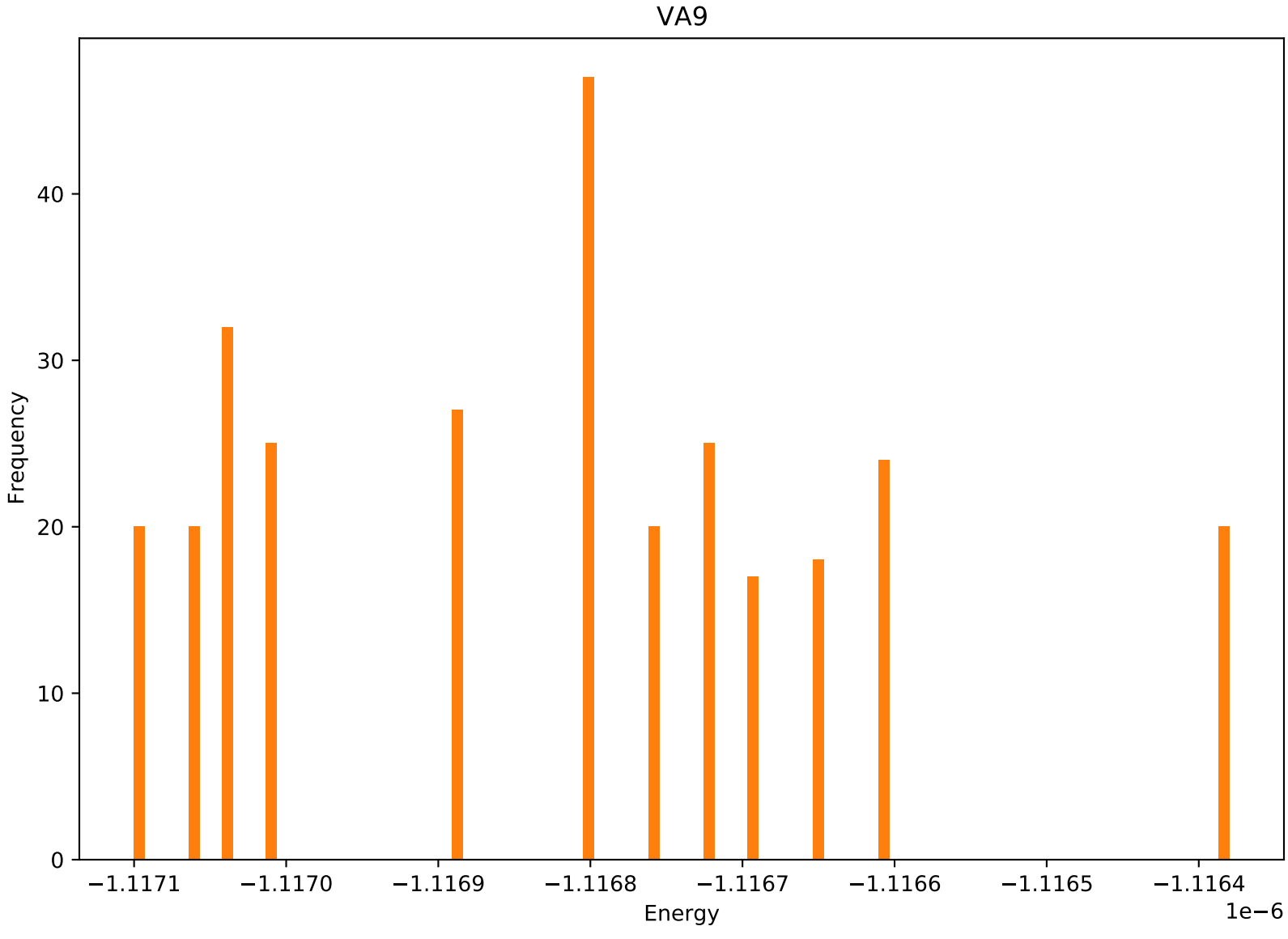

VA4
Frequency
0
10
20
30
40
50
−0.00065
−0.00060
−0.00055
−0.00050
−0.00045
Energy
−2.505

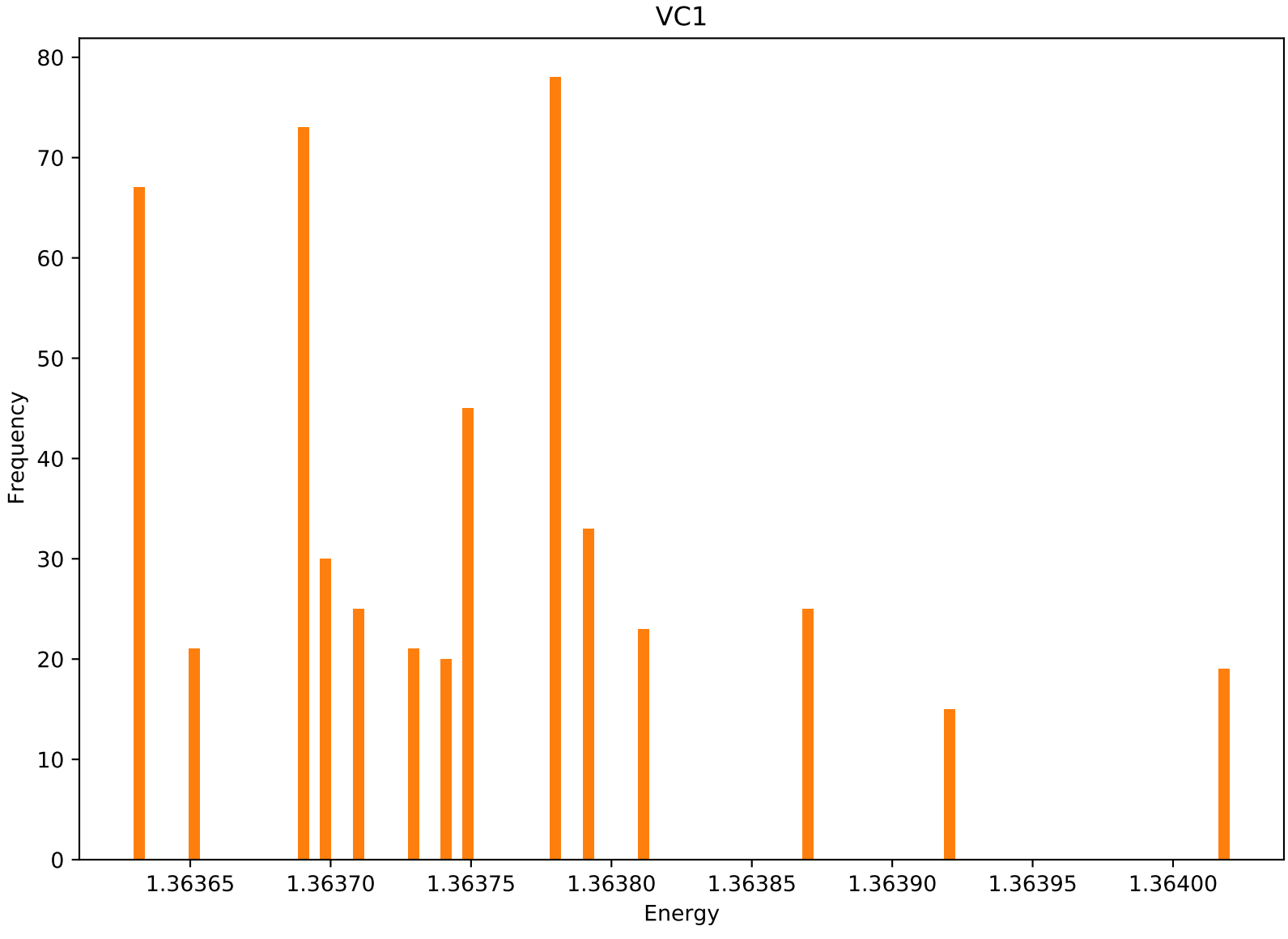

VA5
300
250
200
150
100
50
0
Frequency
−10.00
−9.75
−9.50
−9.25
−9.00
−8.75
−8.50
−8.25
−8.00
Energy
1e−6−1.2465e−1

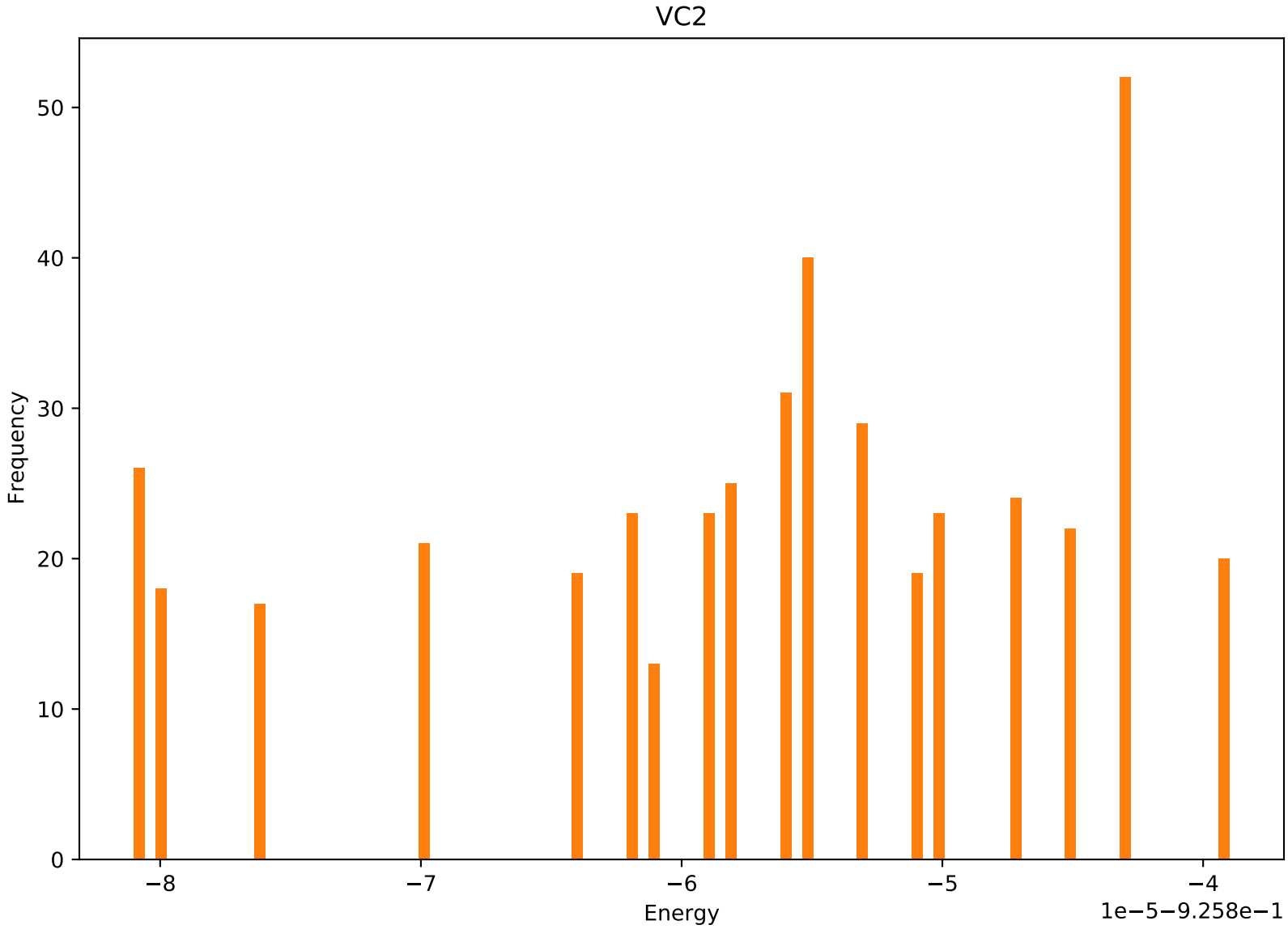

VA6
Frequency
0
20
40
60
80
100
120
−8.0
−7.5
−7.0
−6.5
−6.0
−5.5
−5.0
−4.5
−4.0
Energy
1e−7−3.4942e−2

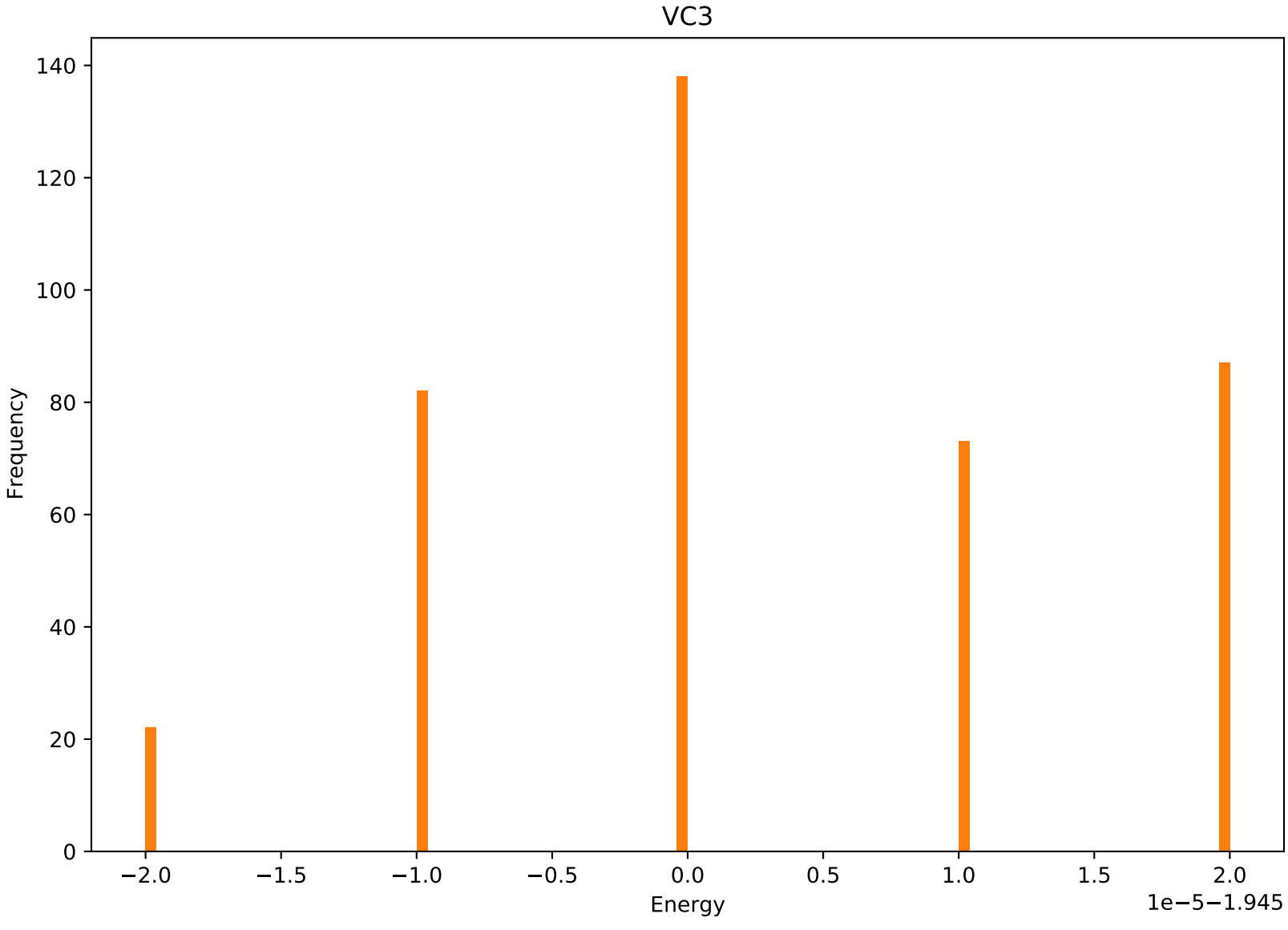

VA7
Frequency
160
140
120
100
80
60
40
20
0
−8.0
−7.5
−7.0
−6.5
−6.0
−5.5
−5.0
−4.5
−4.0
Energy
1e−7−2.3121e−2

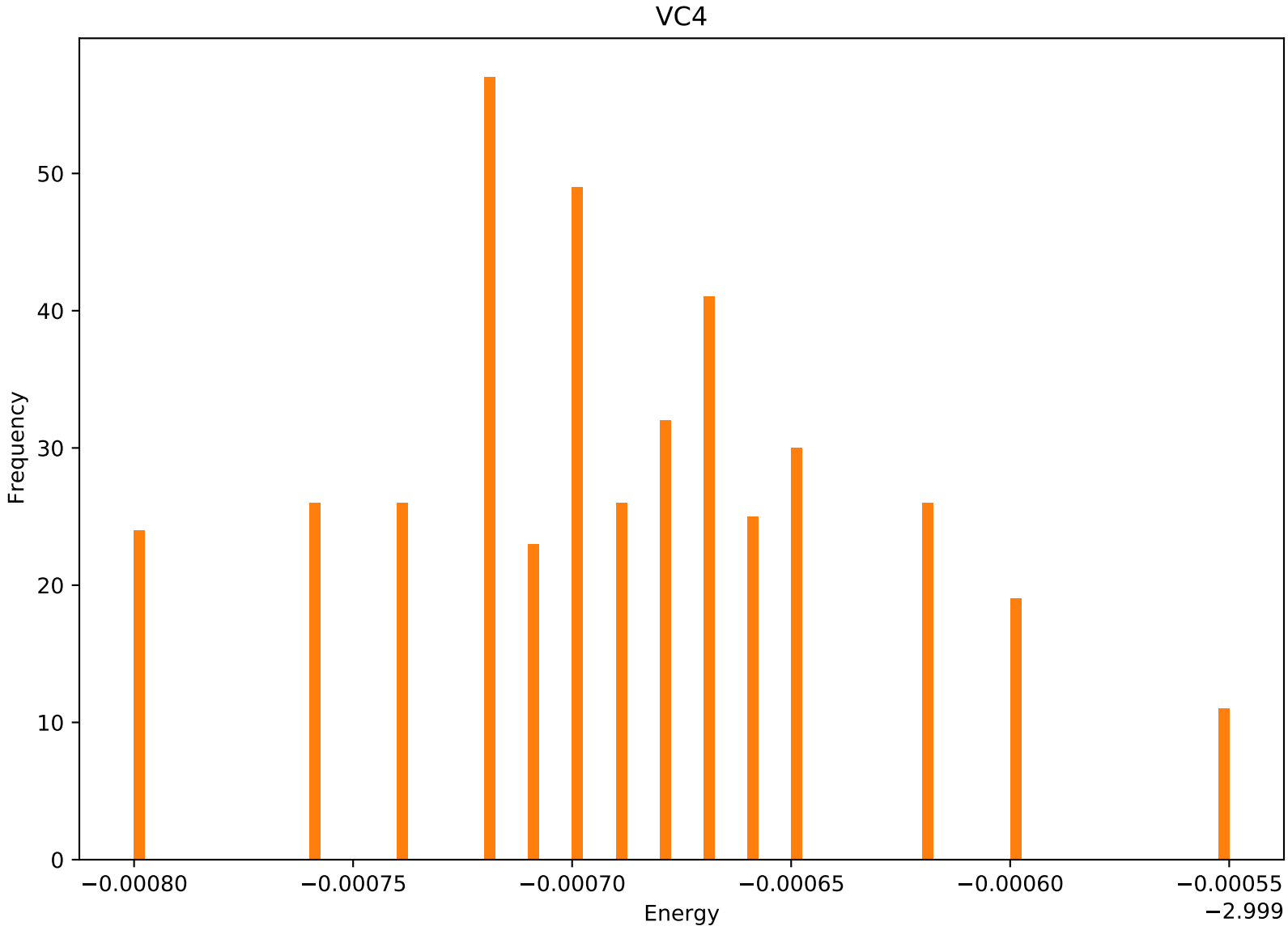

VA8
Frequency
120
100
80
60
40
20
0
−85
−84
−83
−82
−81
−80
−79
Energy
1e−8−4.779e−3

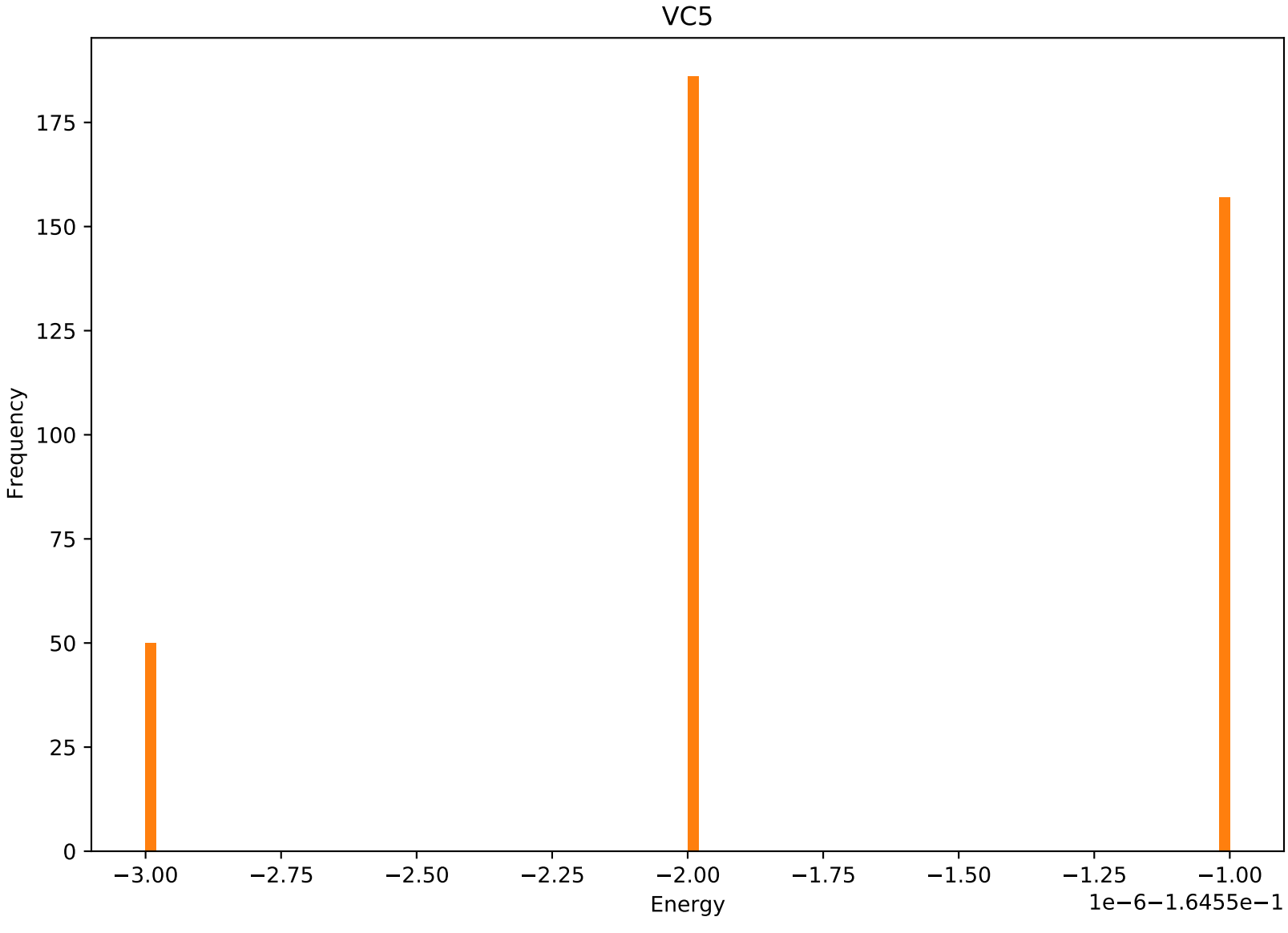

VA9
Frequency
0
10
20
30
40
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

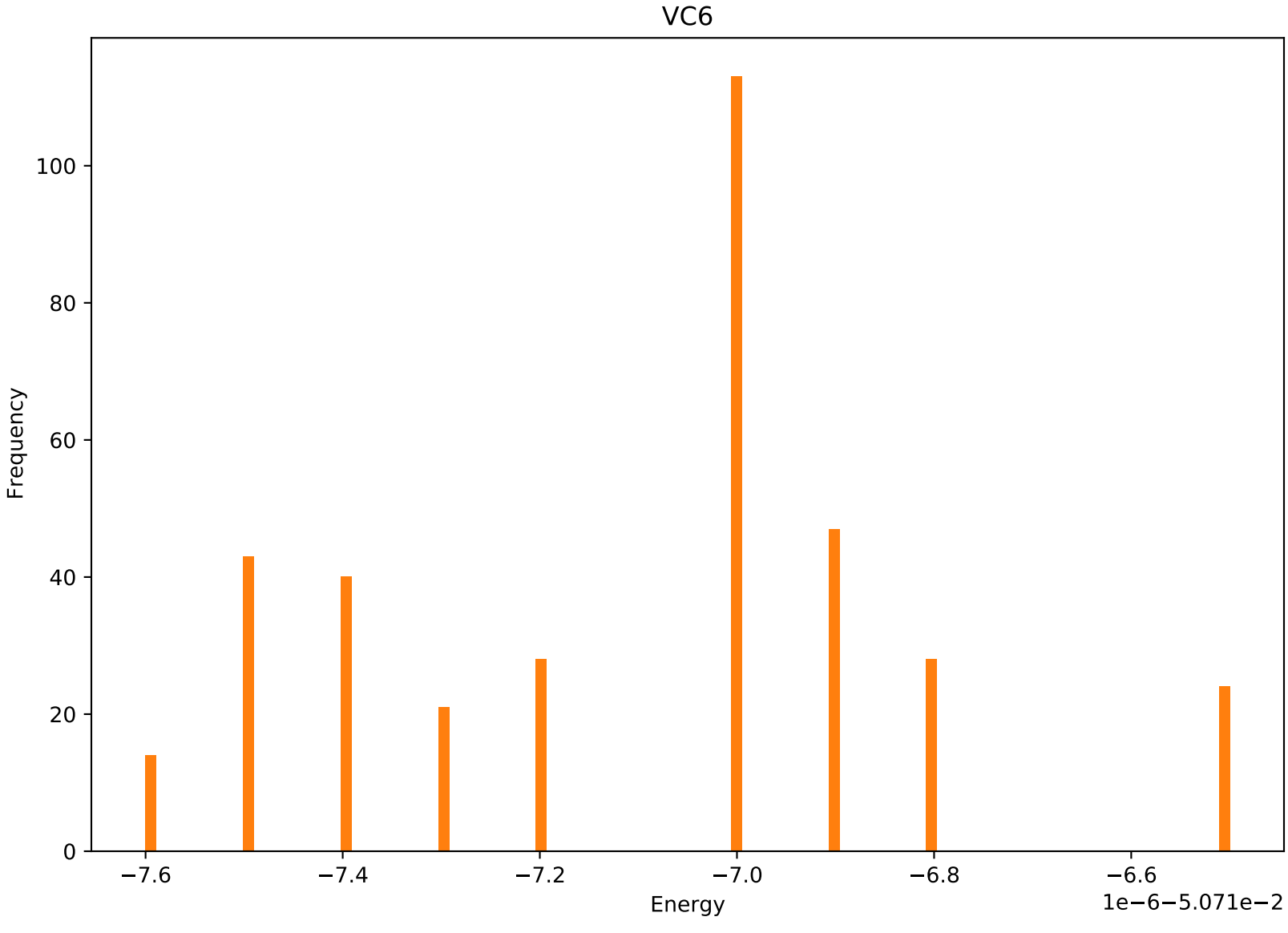

VC1
Frequency
Energy
0
10
20
30
40
50
60
70
80
1.36365
1.36370
1.36375
1.36380
1.36385
1.36390
1.36395
1.36400

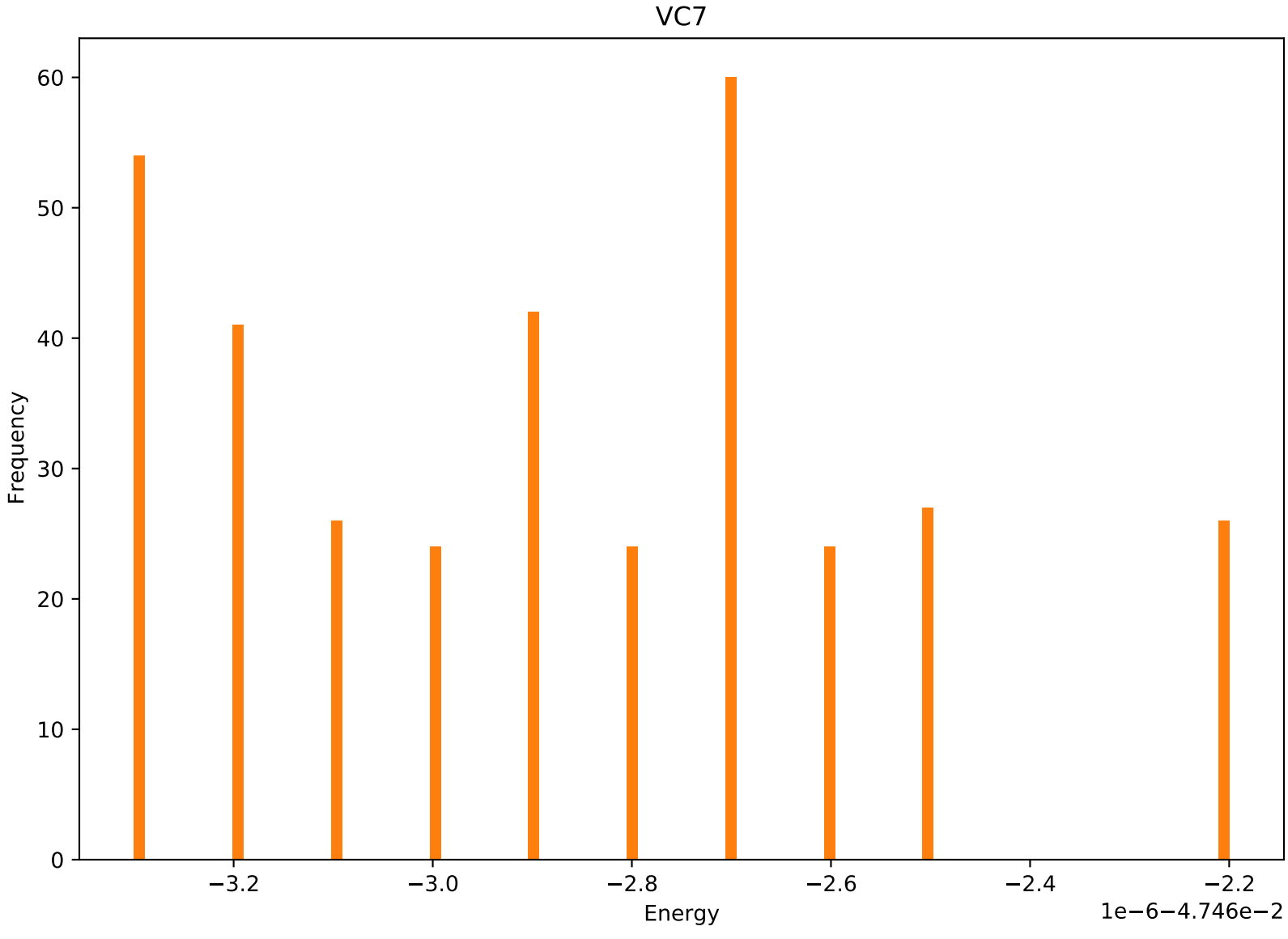

VC2
Frequency
0
10
20
30
40
50
−8
−7
−6
−5
−4
Energy
1e−5−9.258e−1

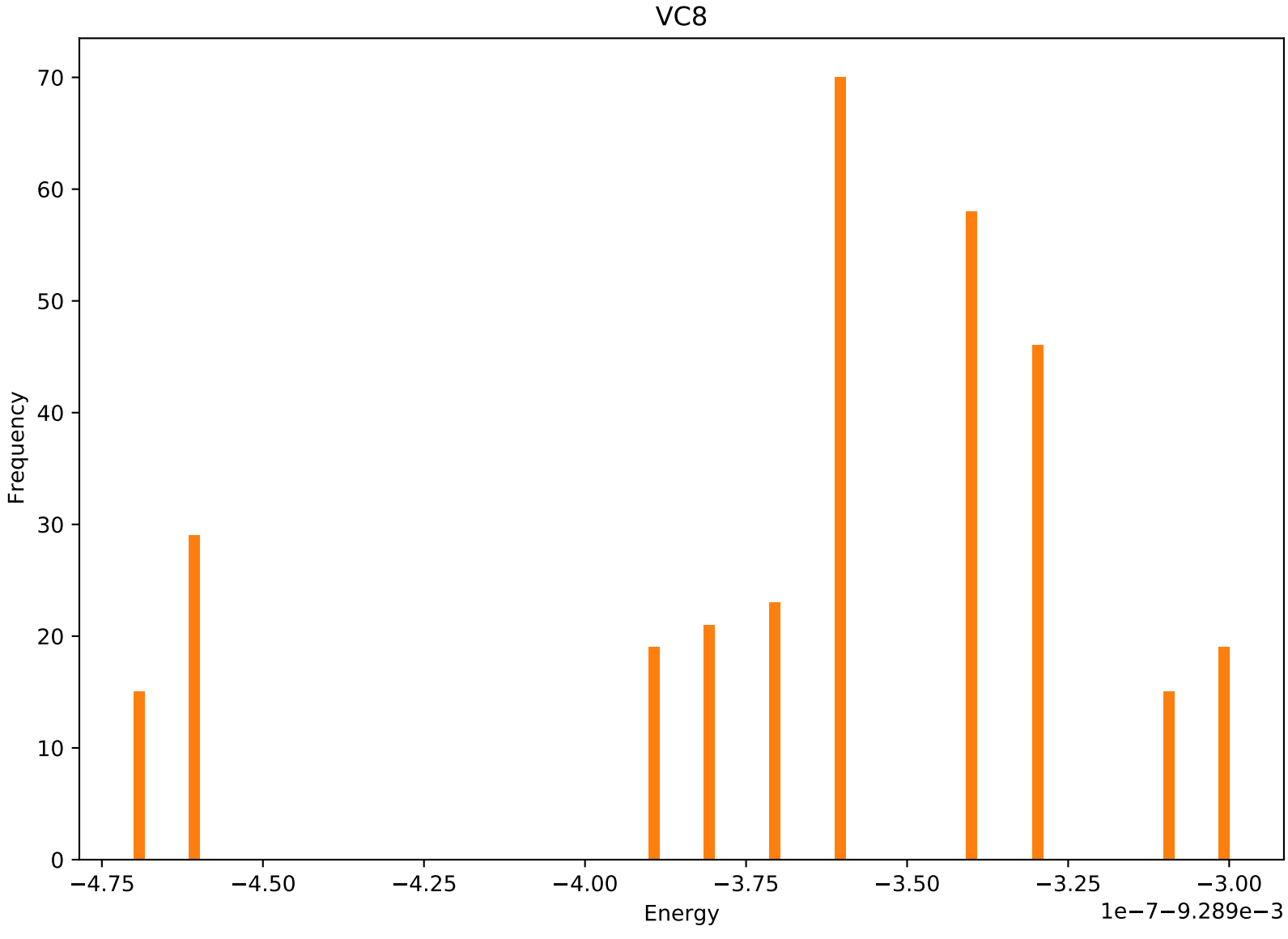

VC3
Frequency
140
120
100
80
60
40
20
0
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
Energy
1e−5−1.945

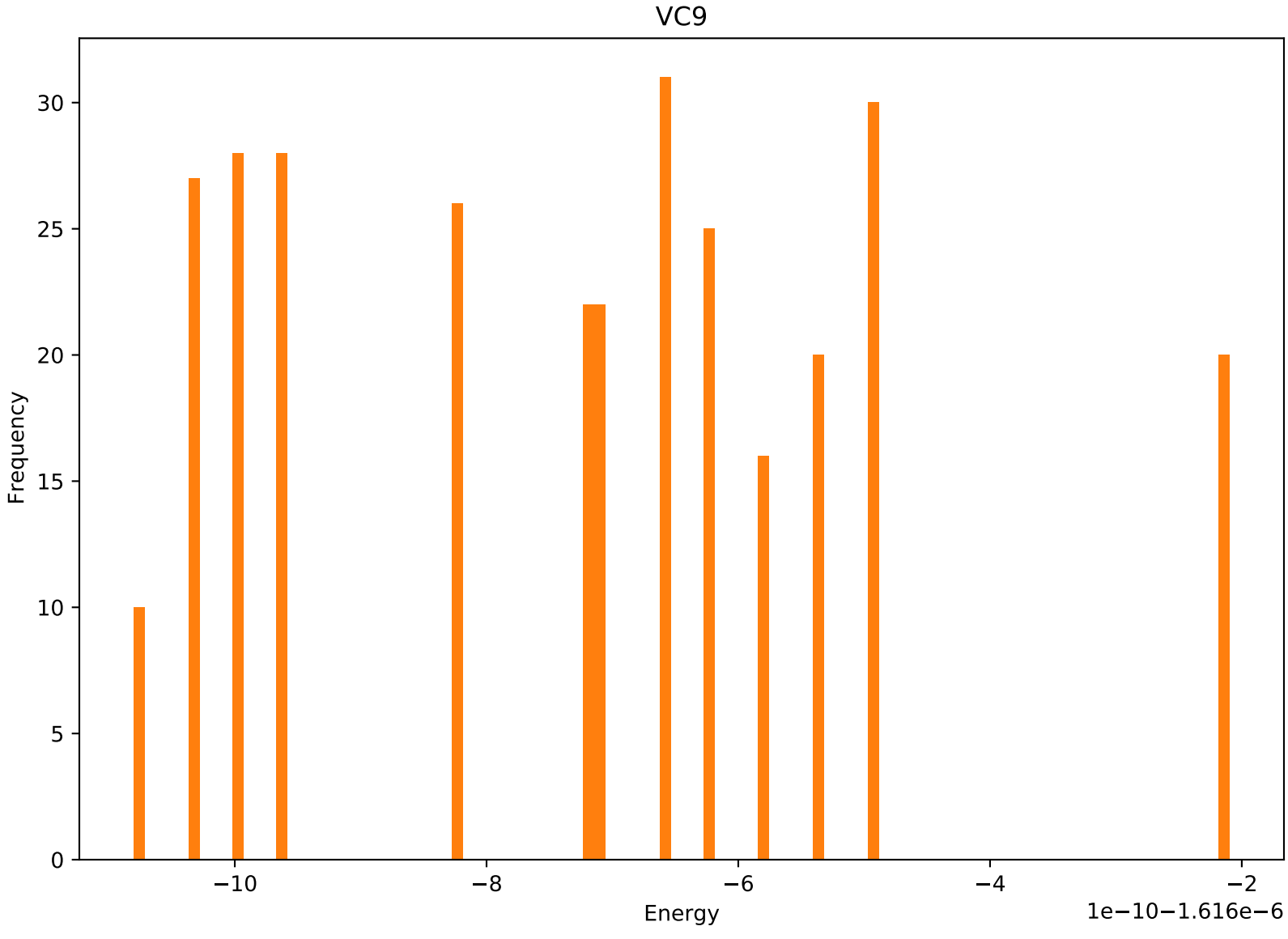

VC4
Frequency
0
10
20
30
40
50
−0.00080
−0.00075
−0.00070
−0.00065
−0.00060
−0.00055
Energy
−2.999

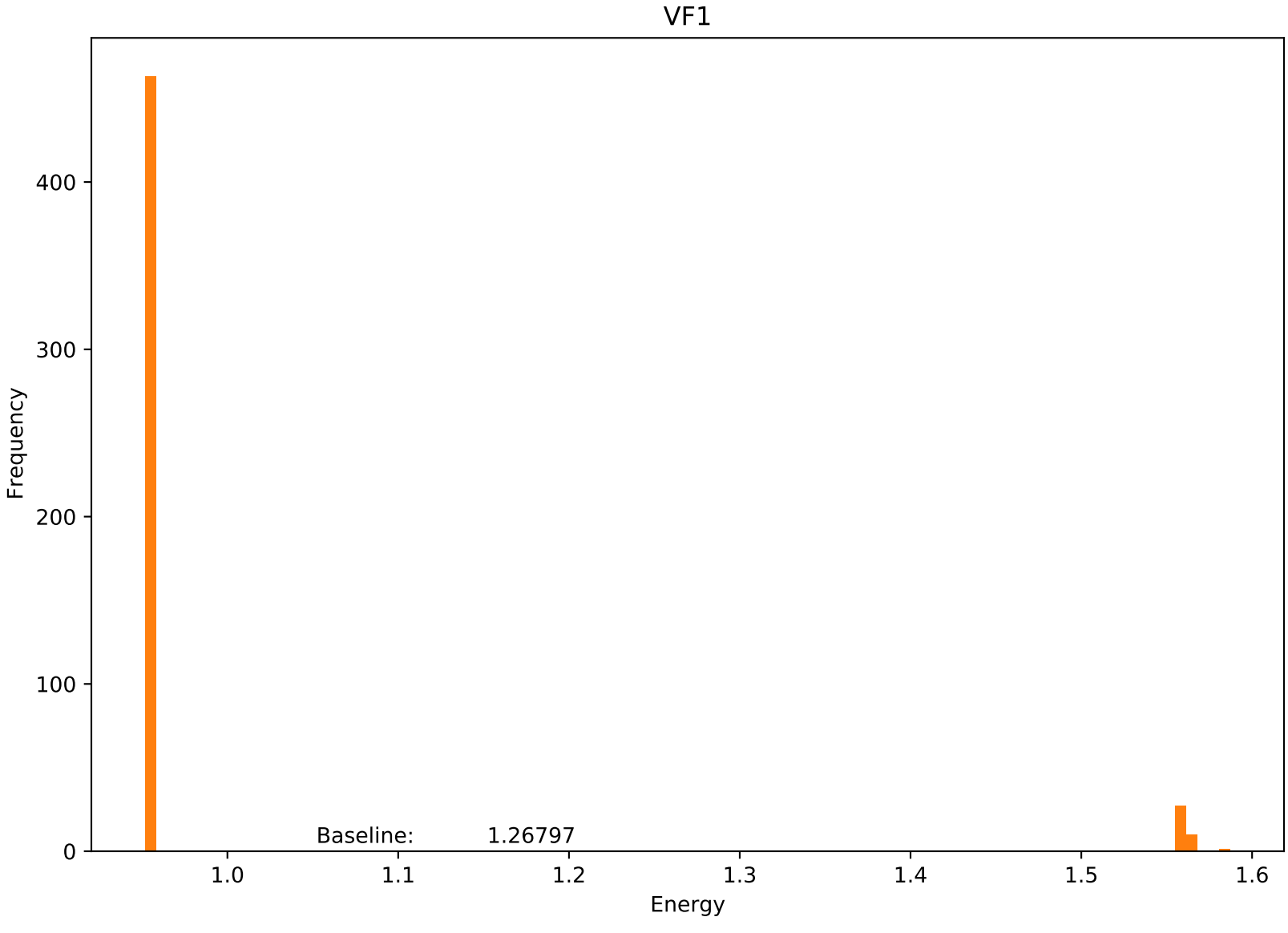

VC5
Frequency
175
150
125
100
75
50
25
0
−3.00
−2.75
−2.50
−2.25
−2.00
−1.75
−1.50
−1.25
−1.00
Energy
1e−6−1.6455e−1

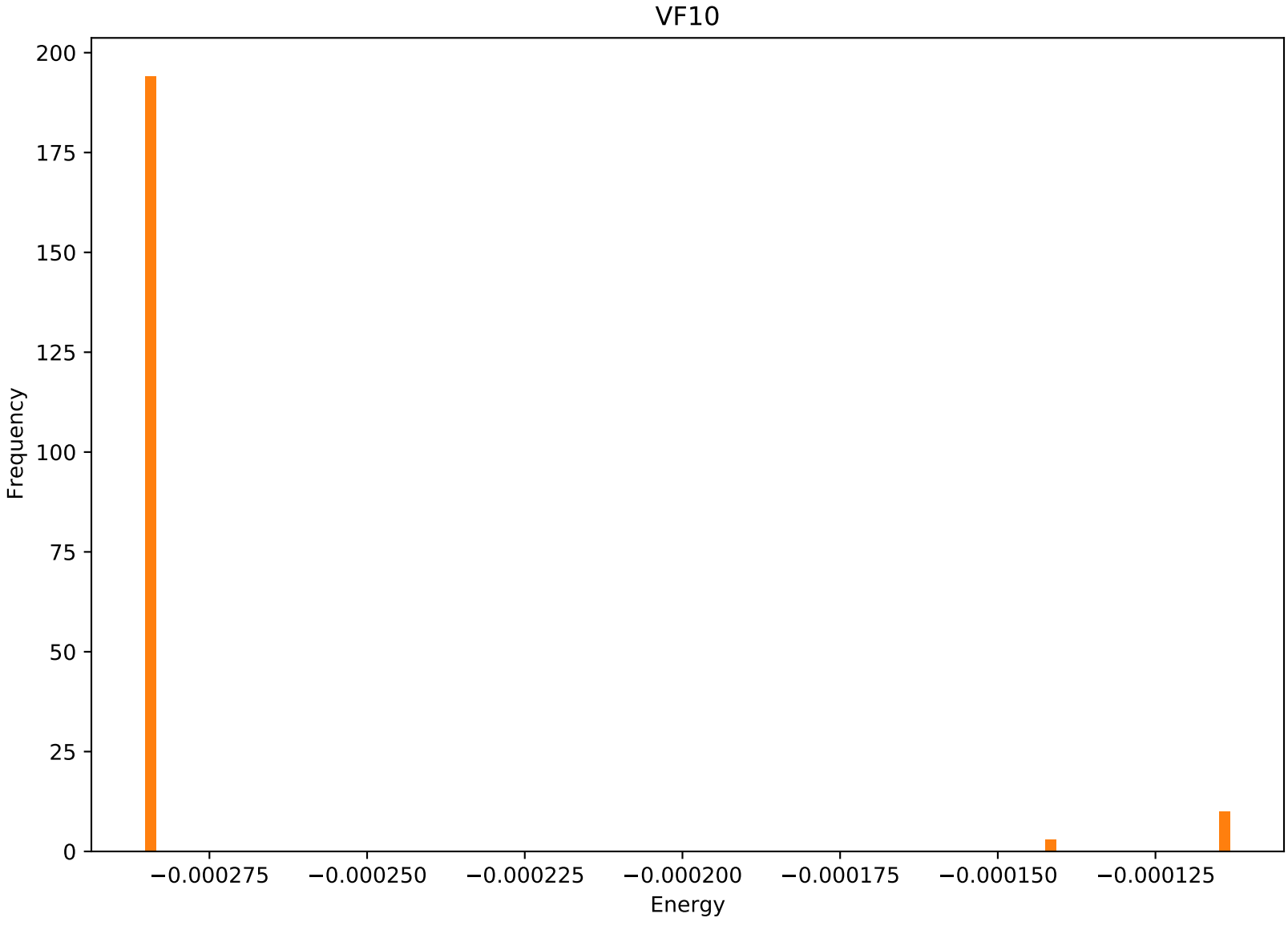

VC6
Frequency
0
20
40
60
80
100
−7.6
−7.4
−7.2
−7.0
−6.8
−6.6
Energy
1e−6−5.071e−2

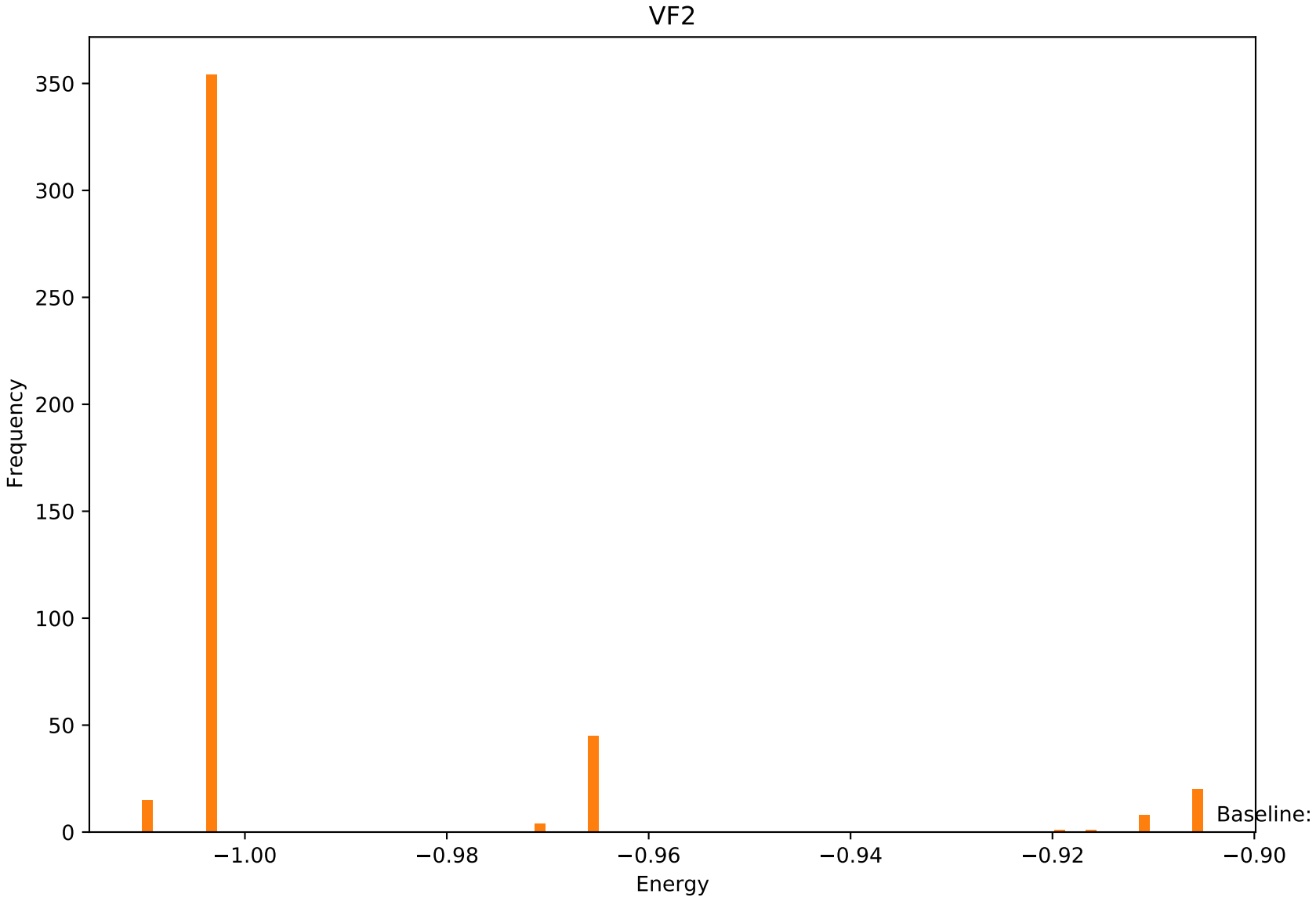

VC7
Frequency
0
10
20
30
40
50
60
−3.2
−3.0
−2.8
−2.6
−2.4
−2.2
Energy
1e−6−4.746e−2

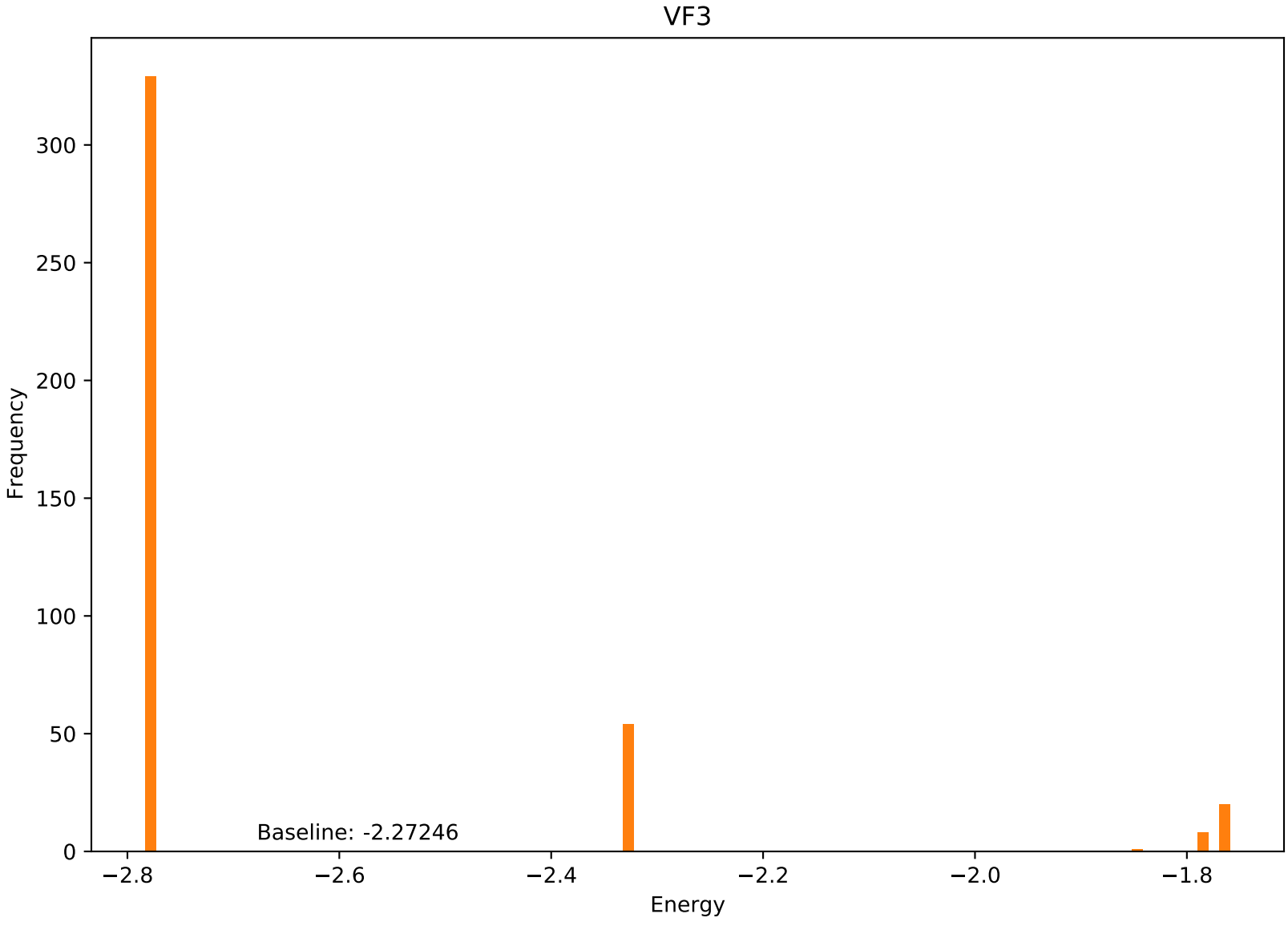

VC8
Frequency
70
60
50
40
30
20
10
0
−4.75
−4.50
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
Energy
1e−7−9.289e−3

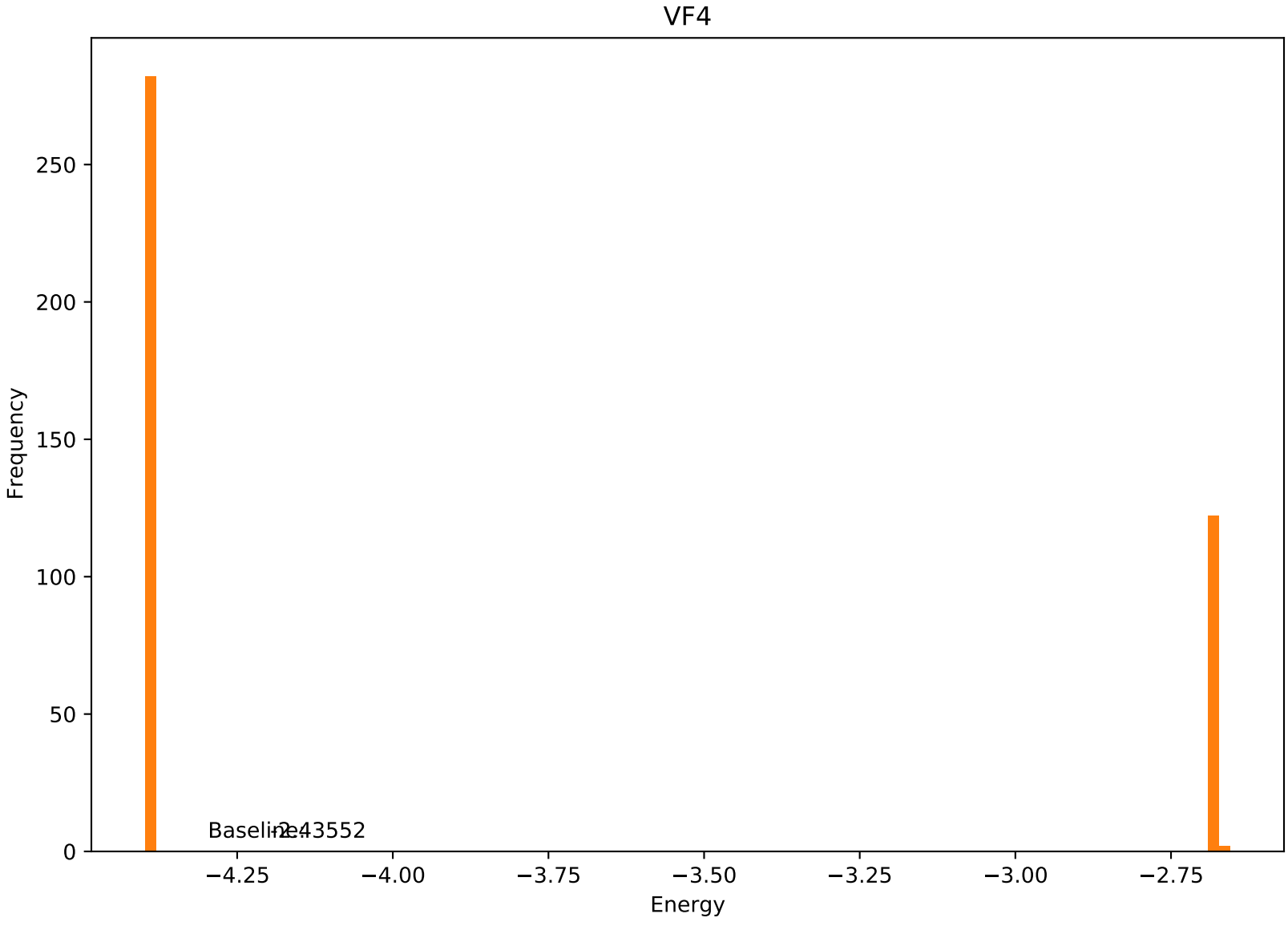

VC9
Frequency
0
5
10
15
20
25
30
−10
−8
−6
−4
−2
Energy
1e−10−1.616e−6

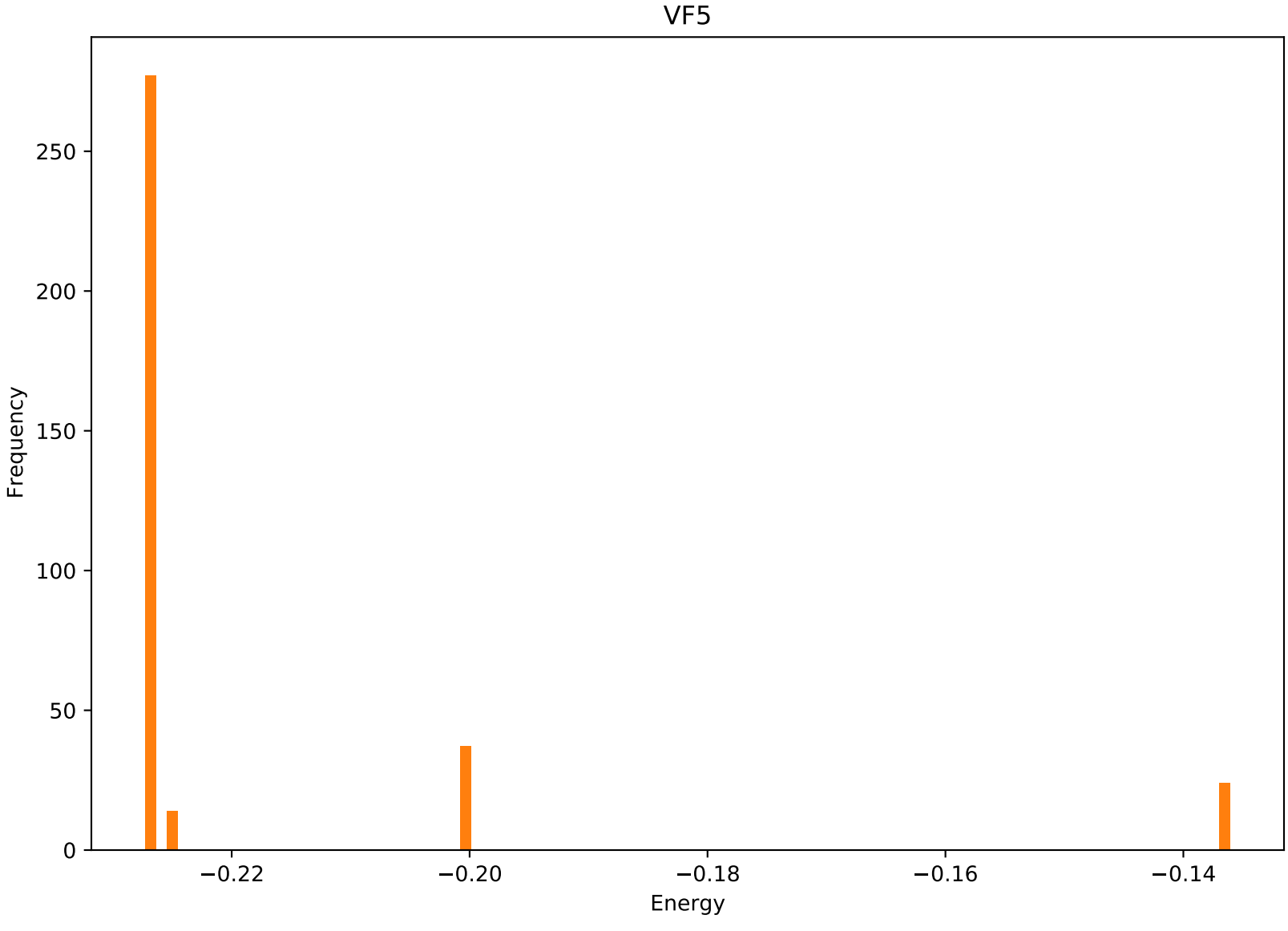

VF1
Frequency
400
300
200
100
0
Baseline:
1.26797
1.0
1.1
1.2
1.3
1.4
1.5
1.6
Energy

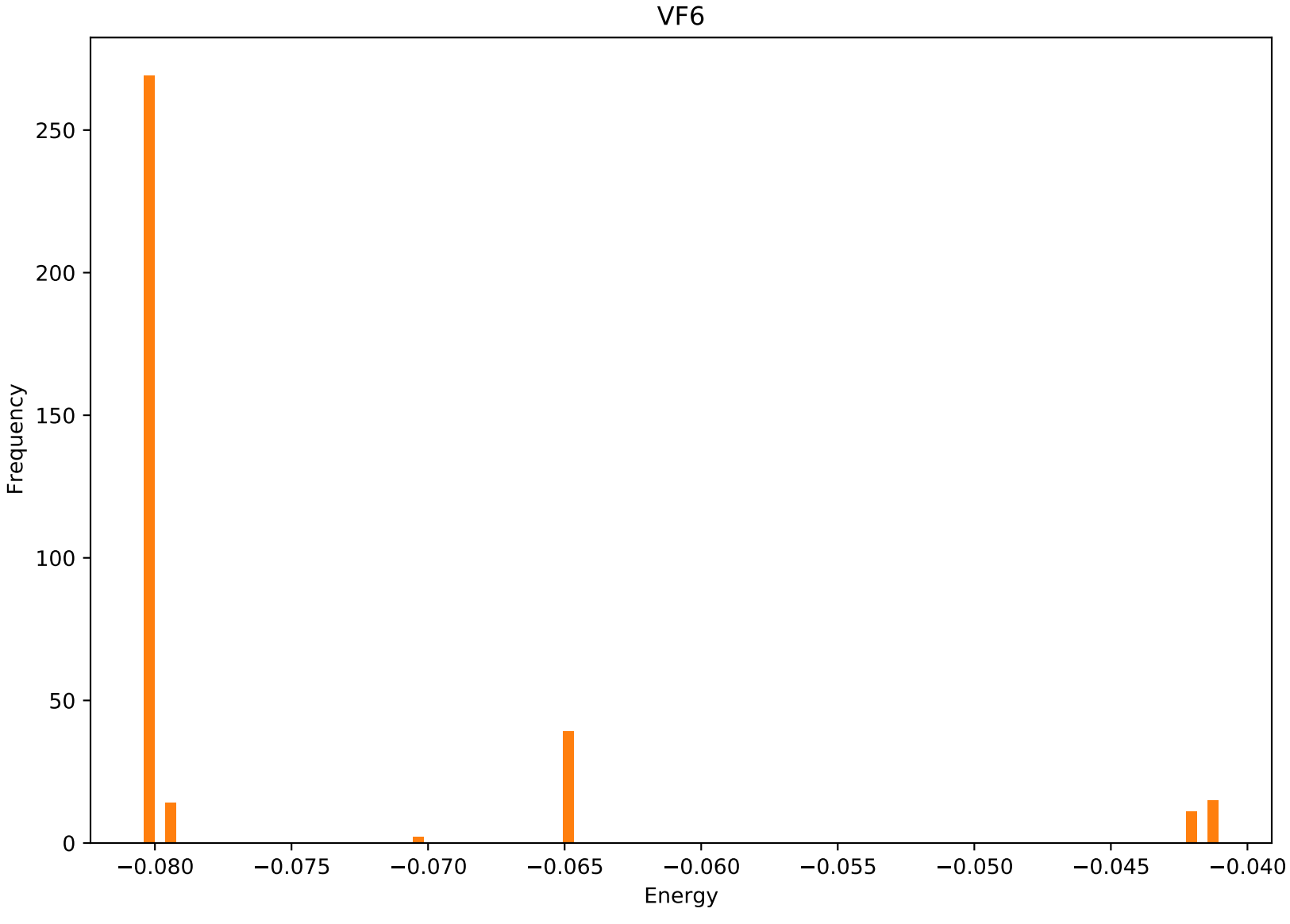

VF10
Frequency
Energy
200
175
150
125
100
75
50
25
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125

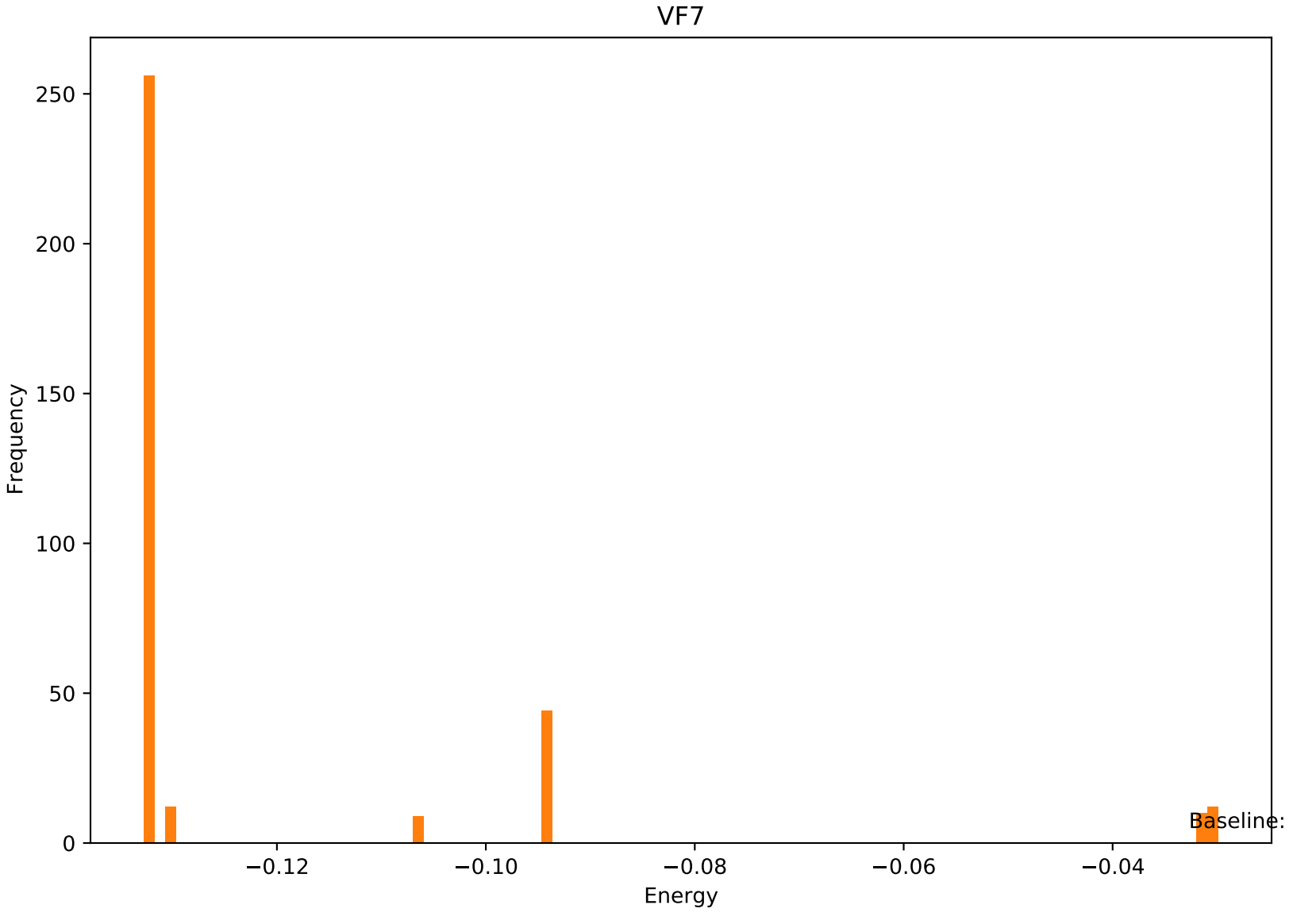

VF2
Frequency
Energy
0
50
100
150
200
250
300
350
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
Baseline:

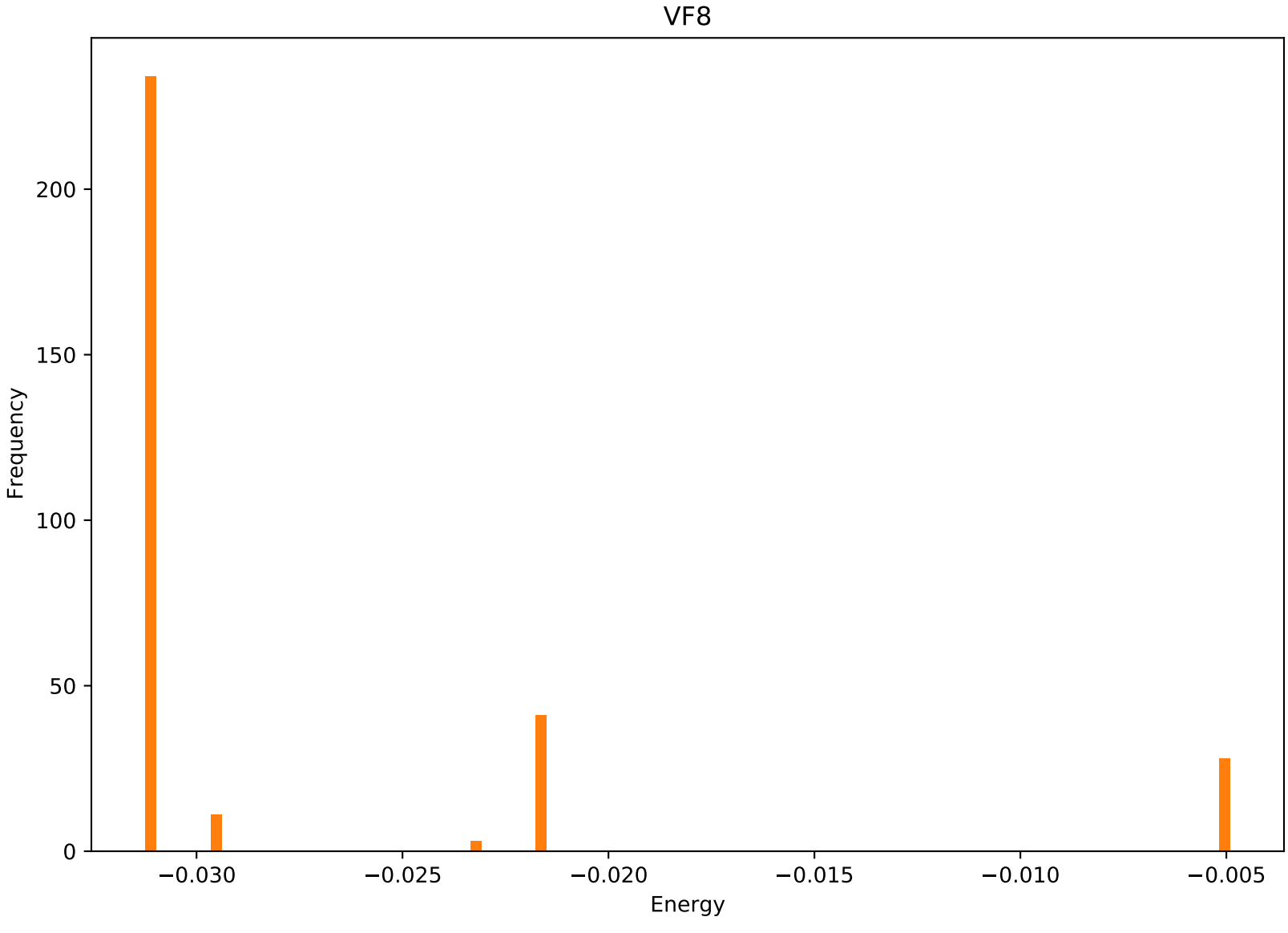

VF3
Frequency
Energy
Baseline: -2.27246
0
50
100
150
200
250
300
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

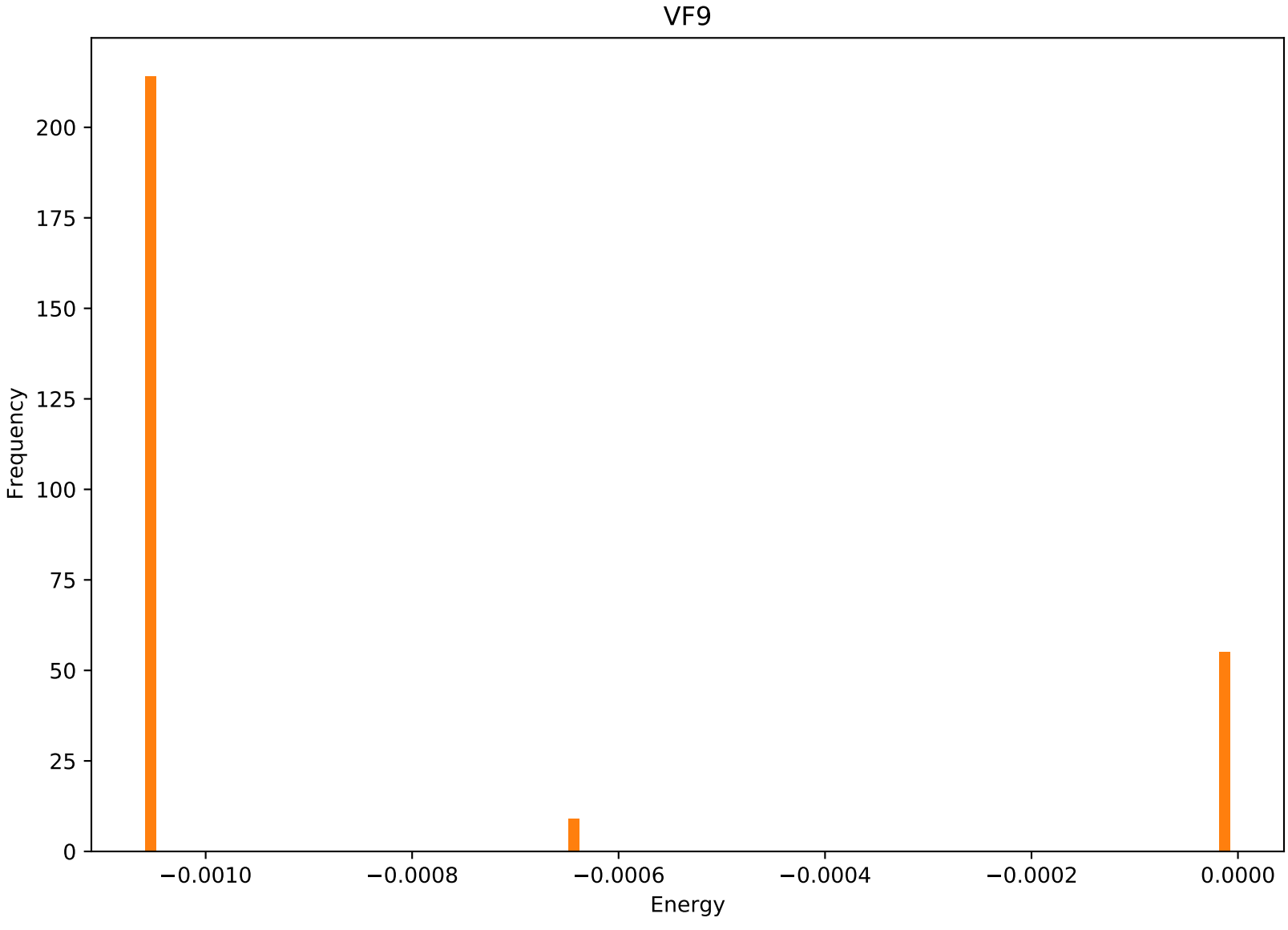

VF4
Frequency
250
200
150
100
50
0
Baseline: -2.43552
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
Energy

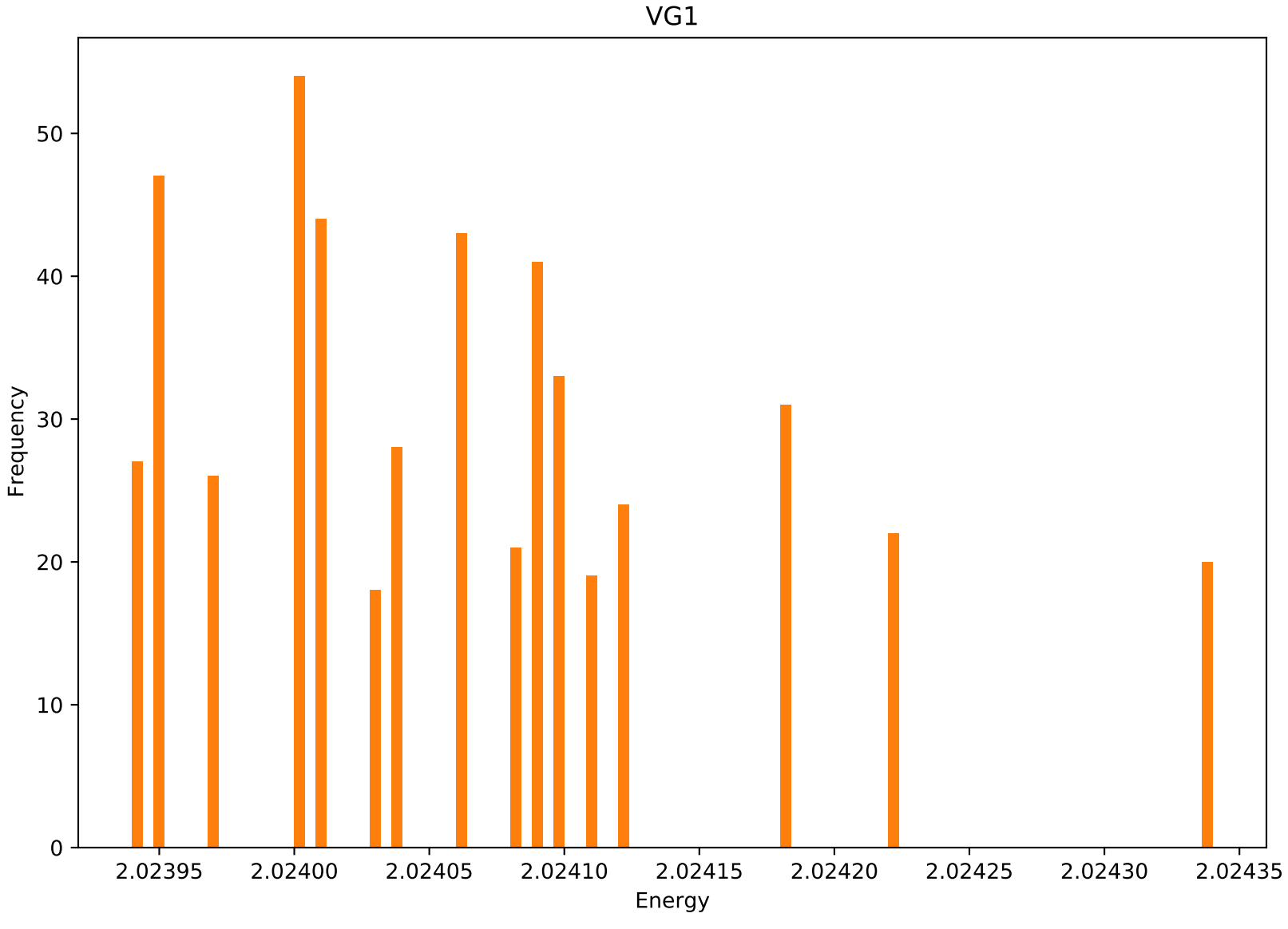

VF5
Frequency
250
200
150
100
50
0
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

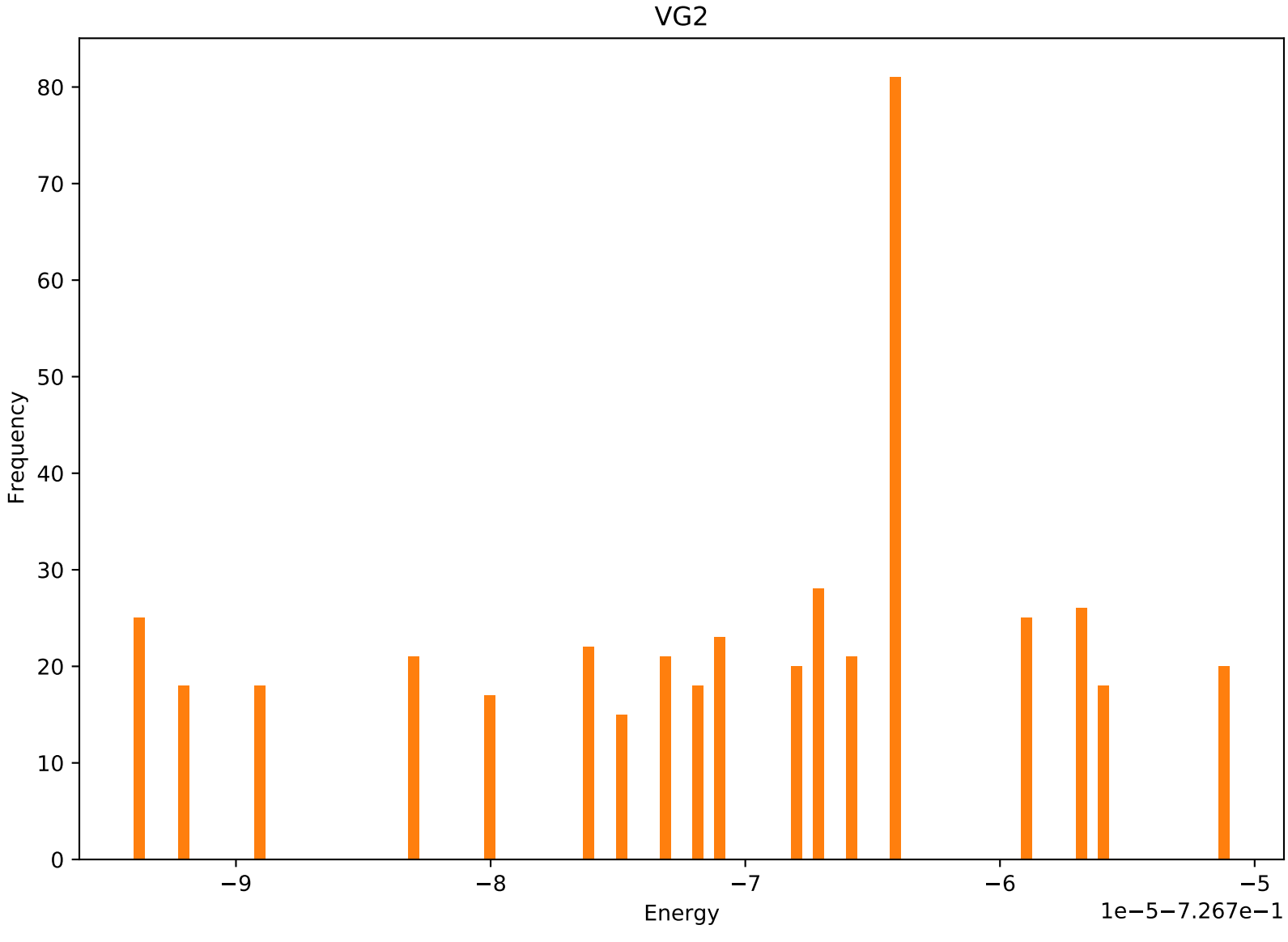

VF6
Frequency
Energy
0
50
100
150
200
250
−0.080
−0.075
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040

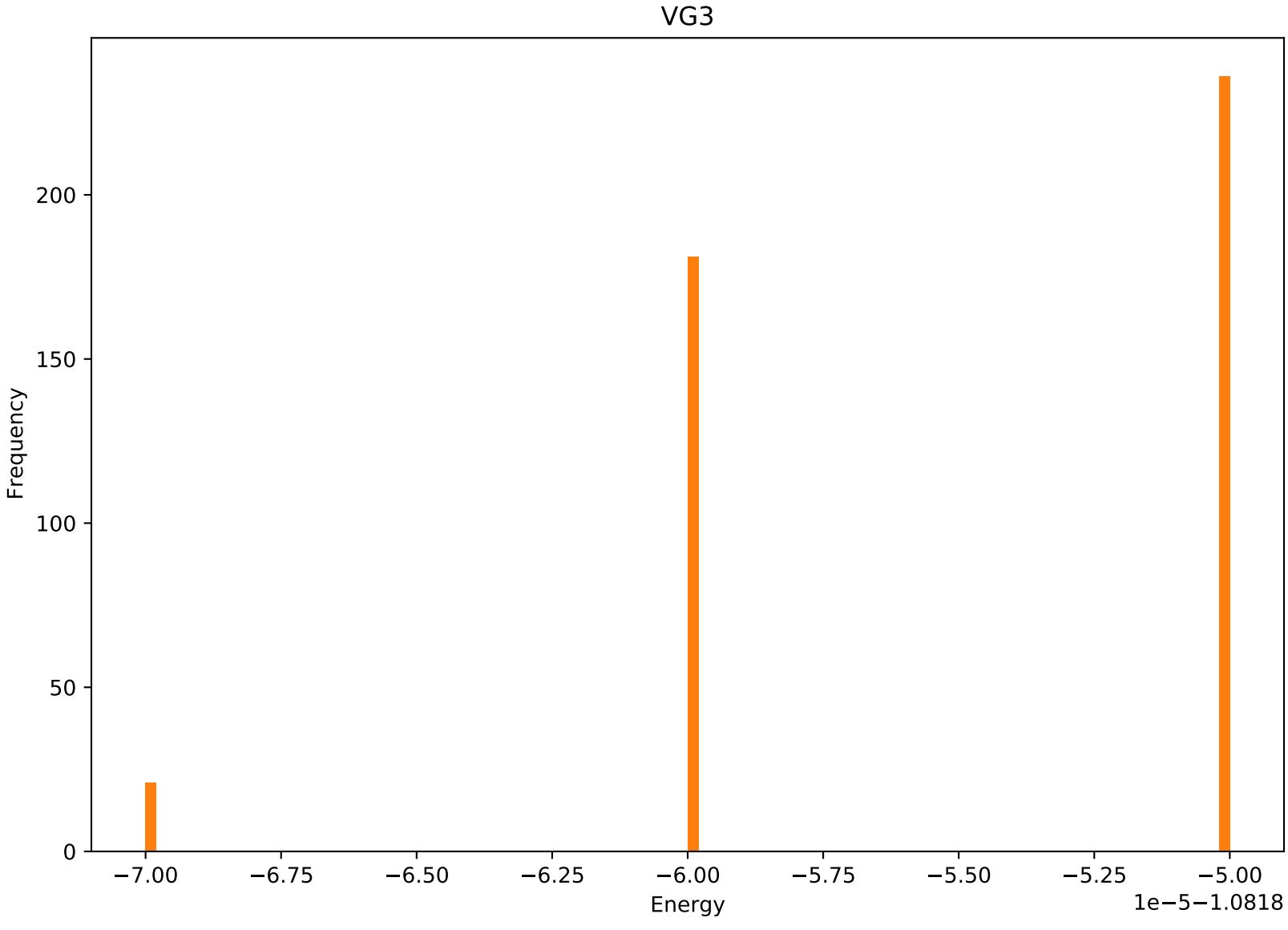

VF7
Frequency
250
200
150
100
50
0
−0.12
−0.10
−0.08
−0.06
−0.04
Energy
Baseline:

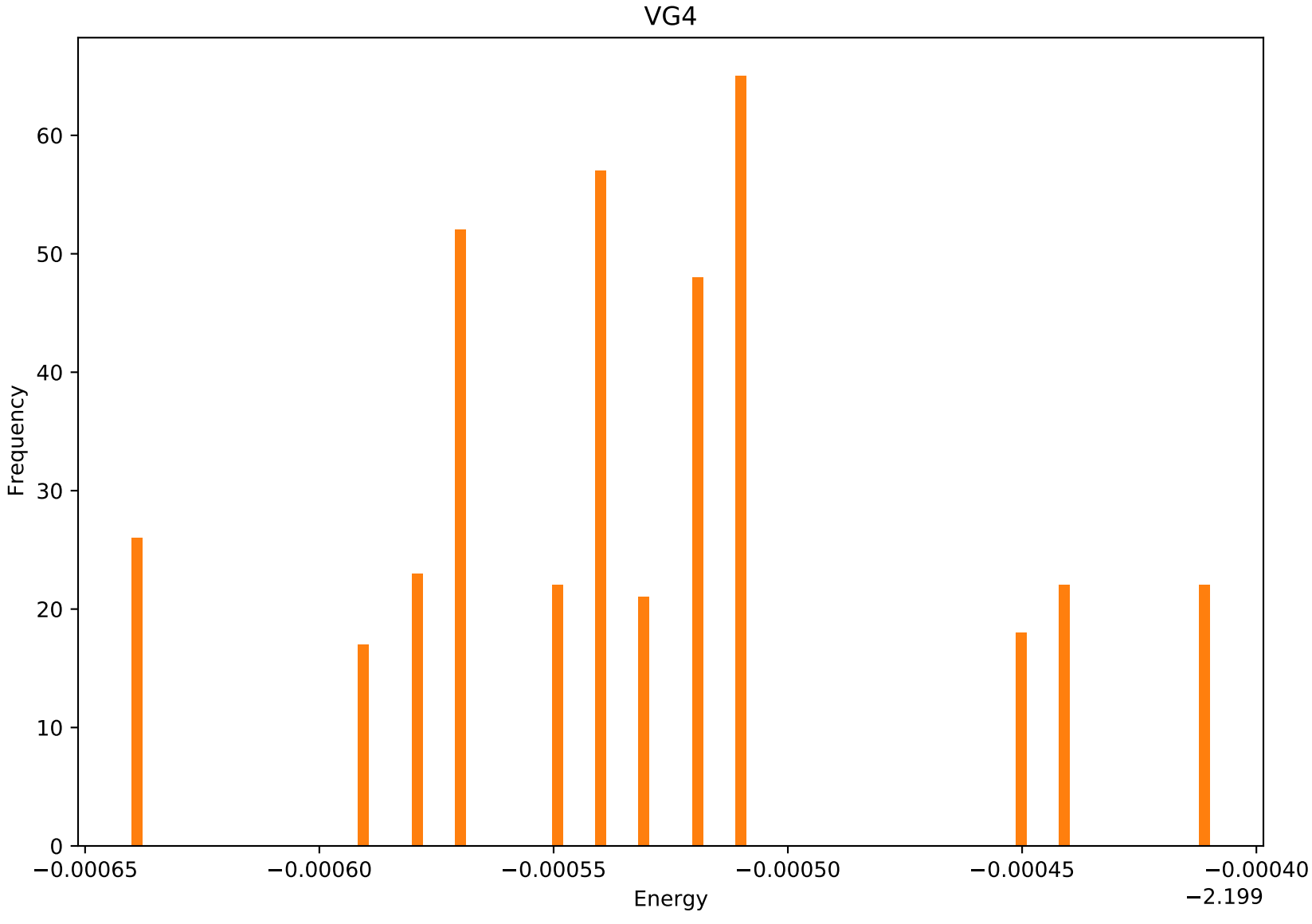

VF8
Frequency
200
150
100
50
0
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

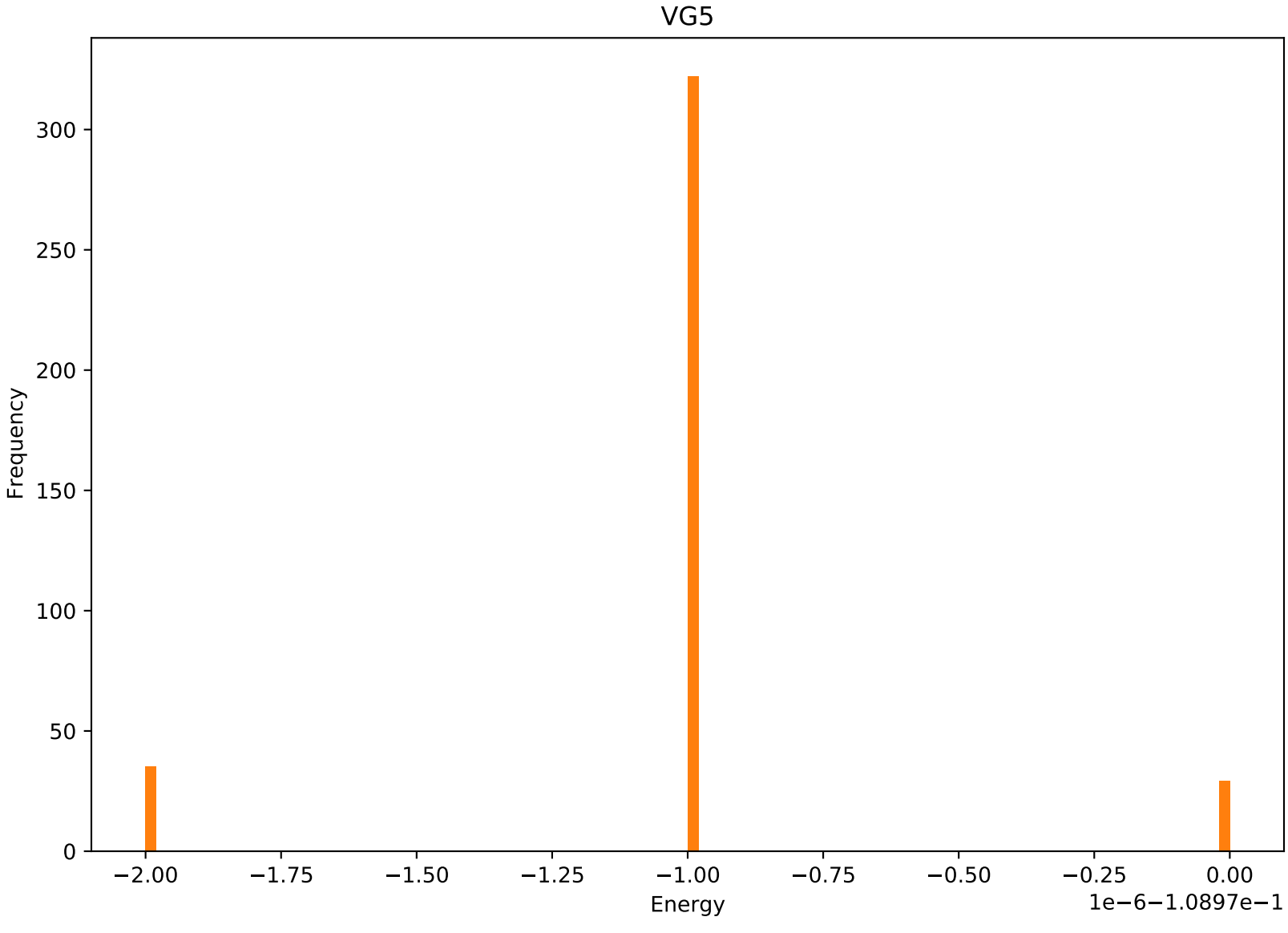

VF9
Frequency
200
175
150
125
100
75
50
25
0
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

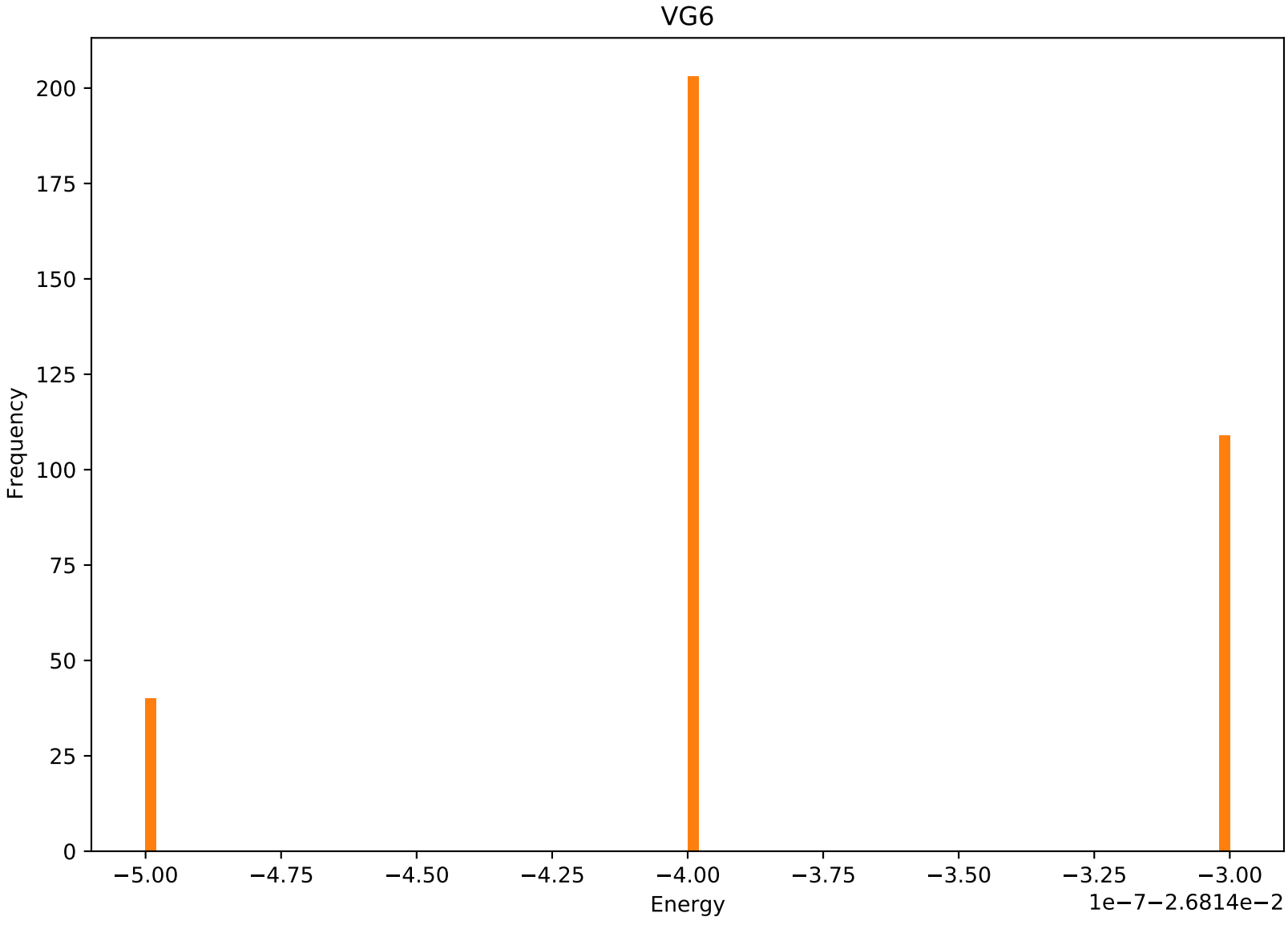

VG1
Frequency
0
10
20
30
40
50
2.02395
2.02400
2.02405
2.02410
2.02415
2.02420
2.02425
2.02430
2.02435
Energy

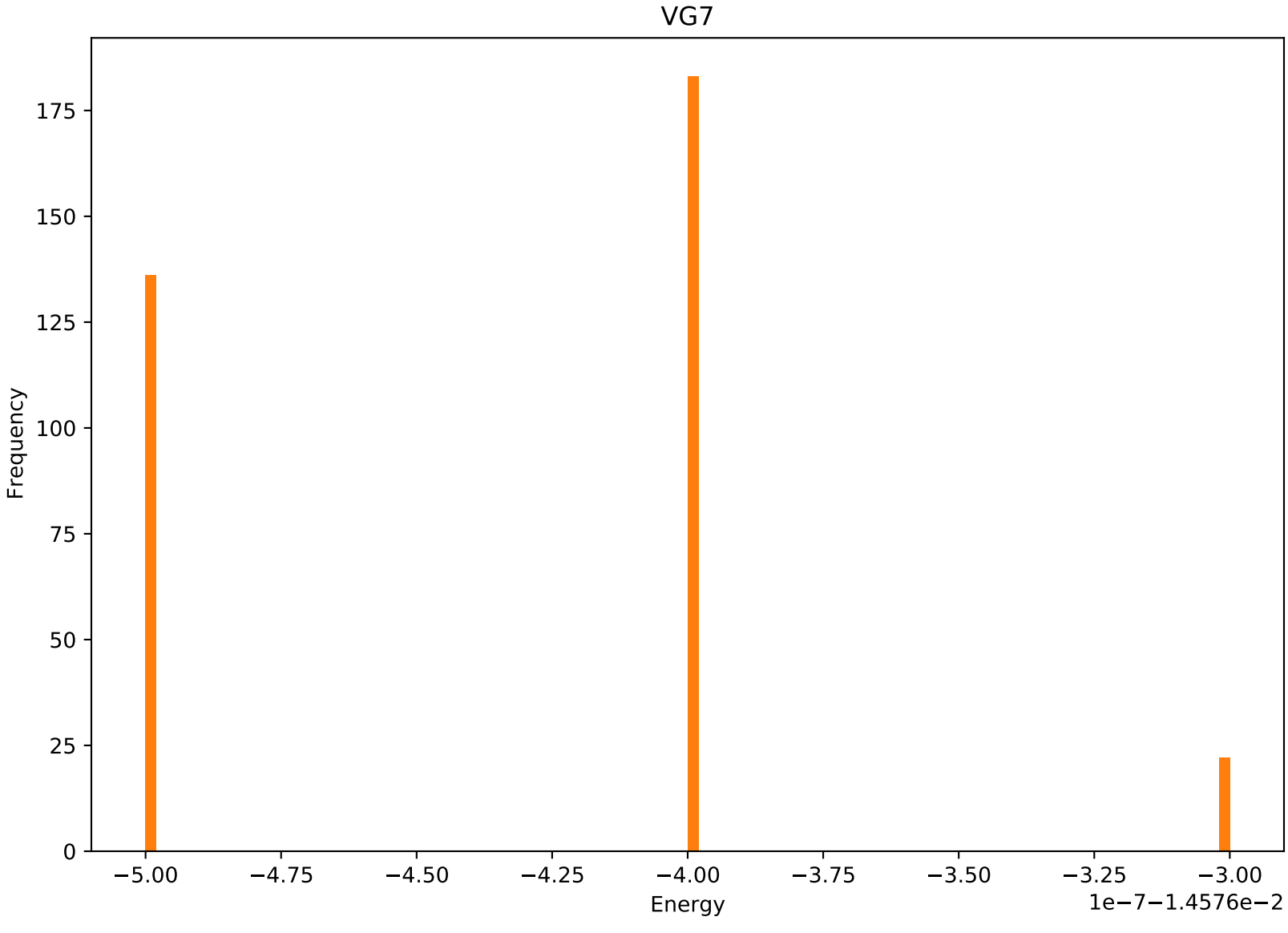

VG2
Frequency
0
10
20
30
40
50
60
70
80
−9
−8
−7
−6
−5
Energy
1e−5−7.267e−1

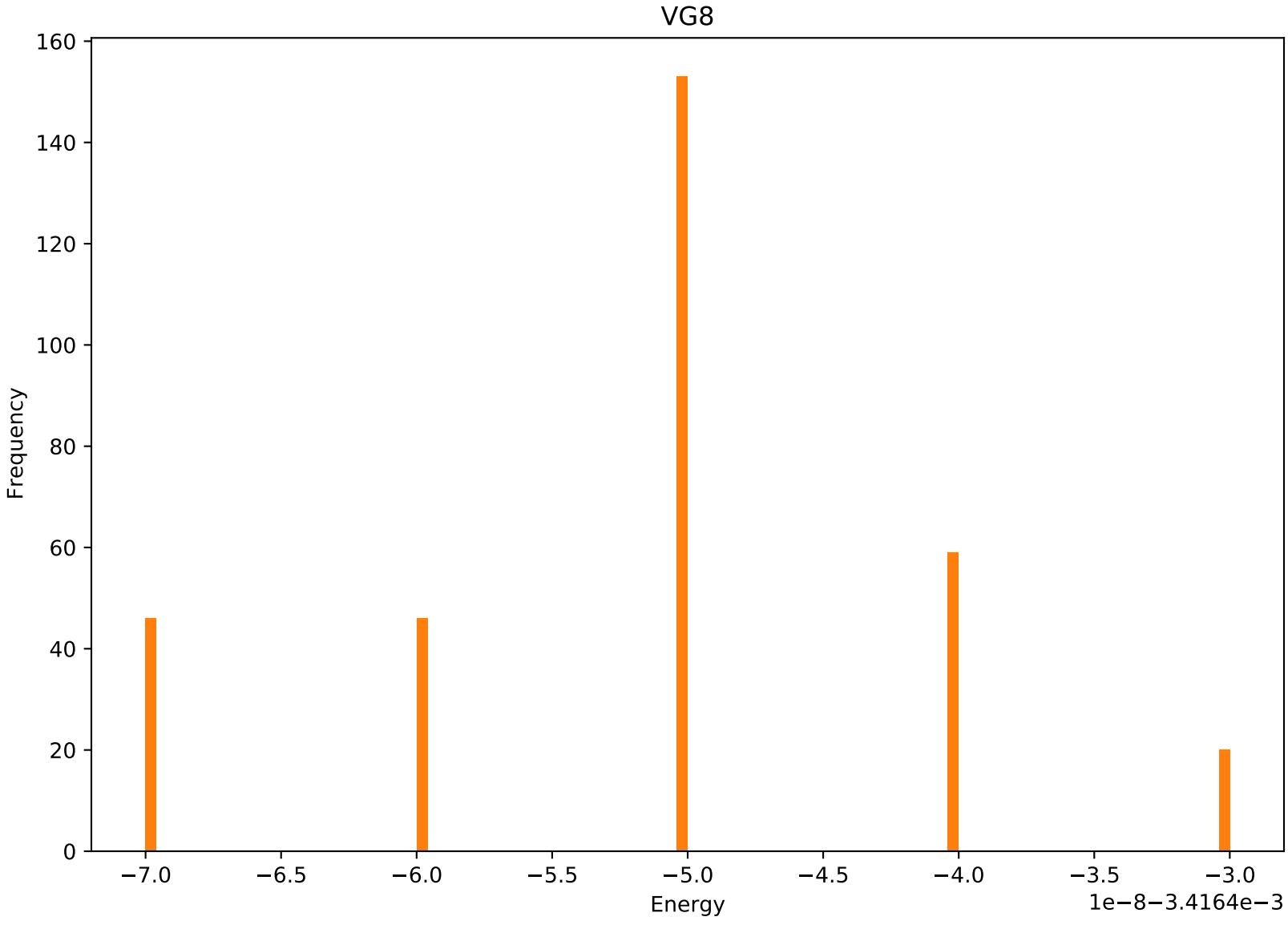

VG3
Frequency
200
150
100
50
0
−7.00
−6.75
−6.50
−6.25
−6.00
−5.75
−5.50
−5.25
−5.00
Energy
1e−5−1.0818

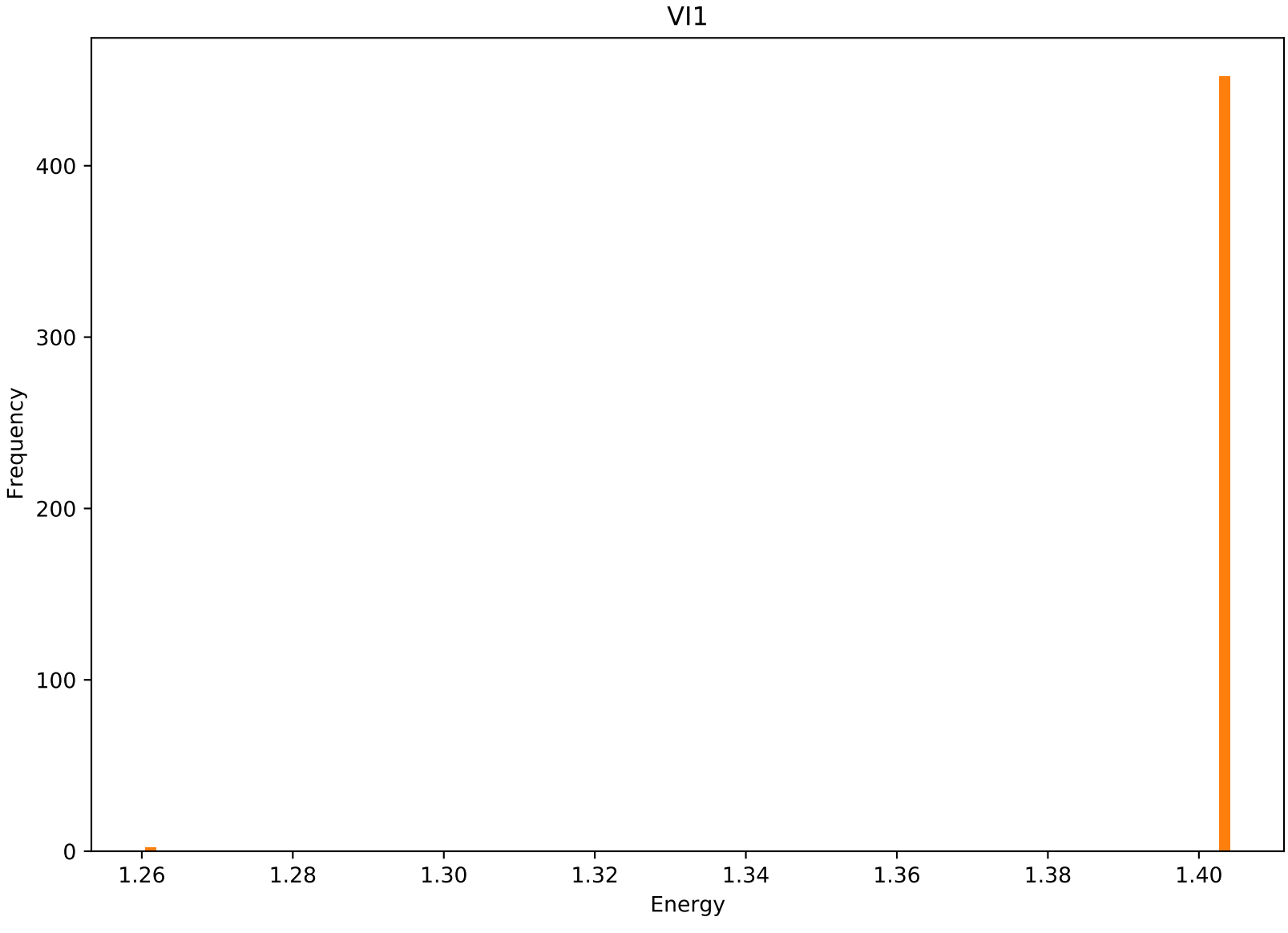

VG4
Frequency
0
10
20
30
40
50
60
−0.00065
−0.00060
−0.00055
−0.00050
−0.00045
−0.00040
Energy
−2.199

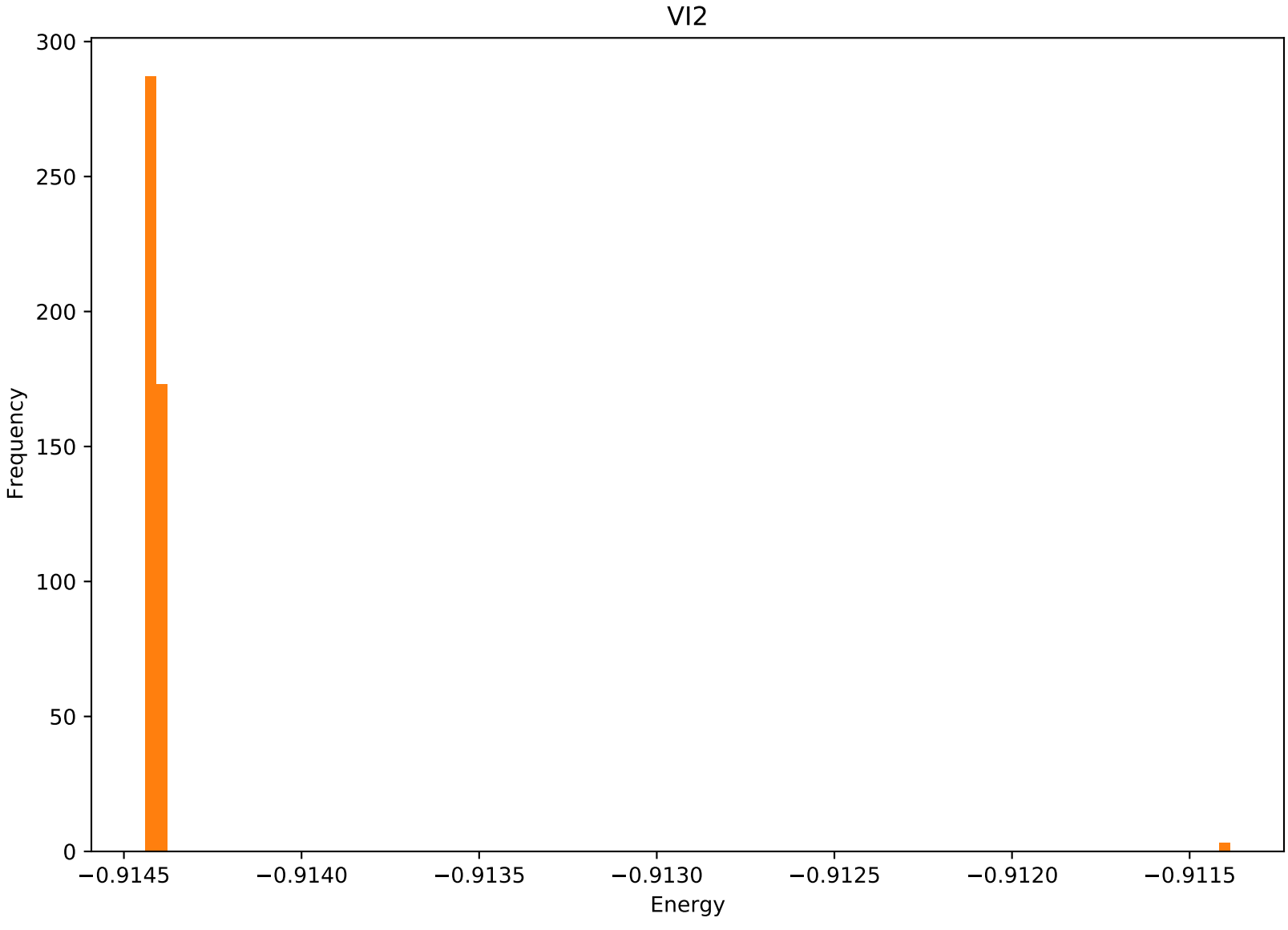

VG5
Frequency
300
250
200
150
100
50
0
−2.00
−1.75
−1.50
−1.25
−1.00
−0.75
−0.50
−0.25
0.00
Energy
1e−6−1.0897e−1

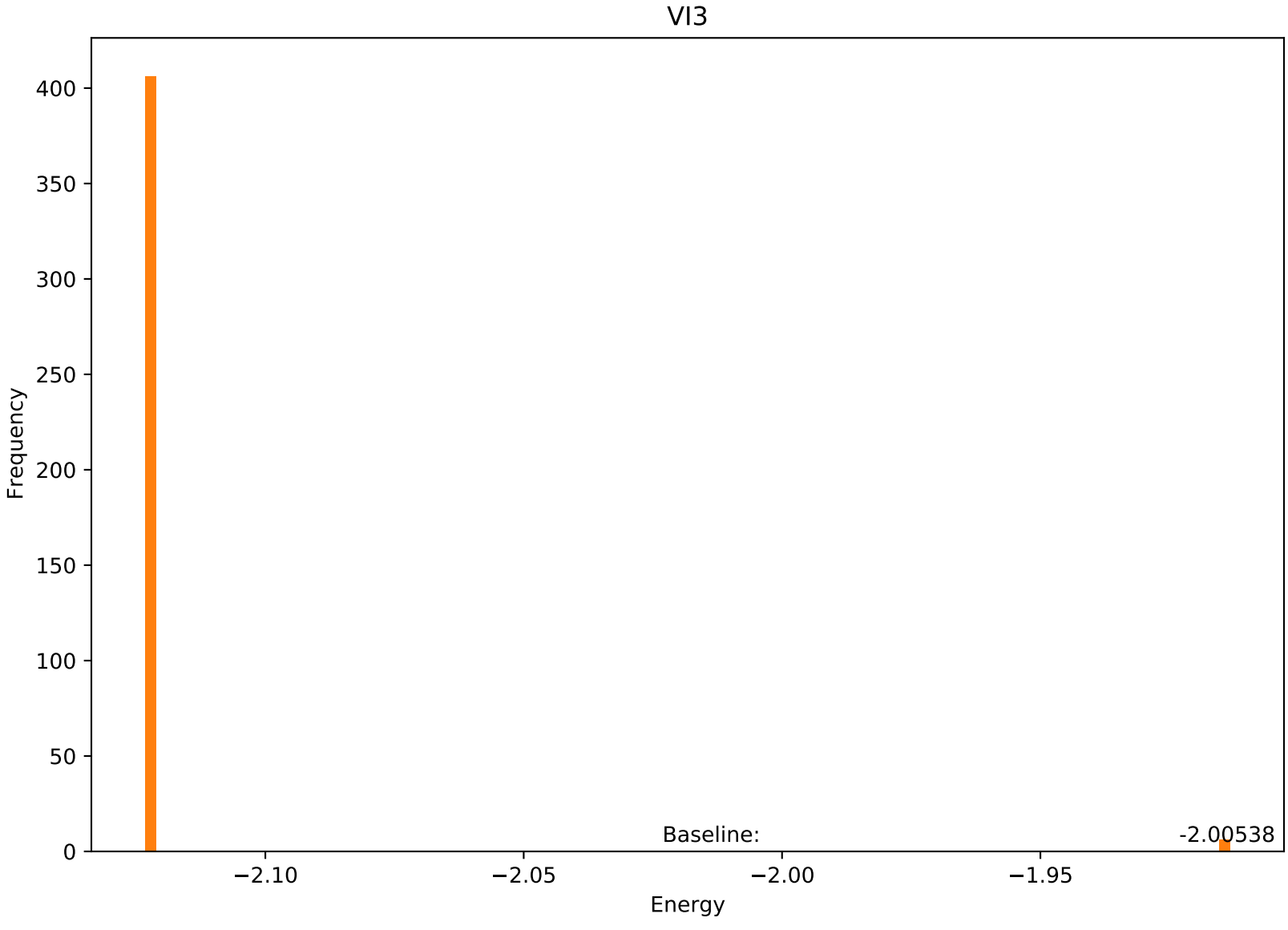

VG6
Frequency
200
175
150
125
100
75
50
25
0
−5.00
−4.75
−4.50
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
Energy
1e−7−2.6814e−2

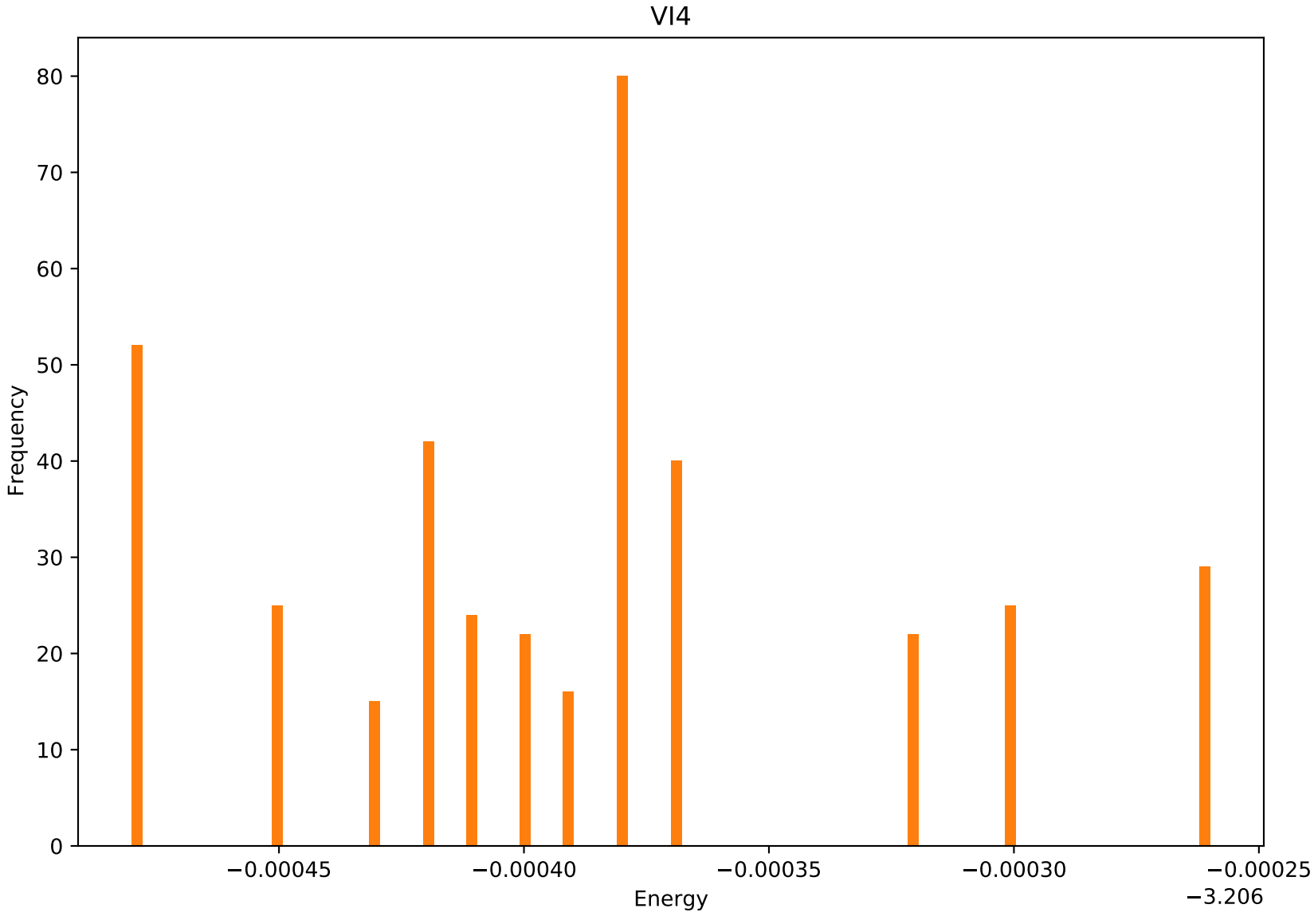

VG7
Frequency
175
150
125
100
75
50
25
0
−5.00
−4.75
−4.50
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
Energy
1e−7−1.4576e−2

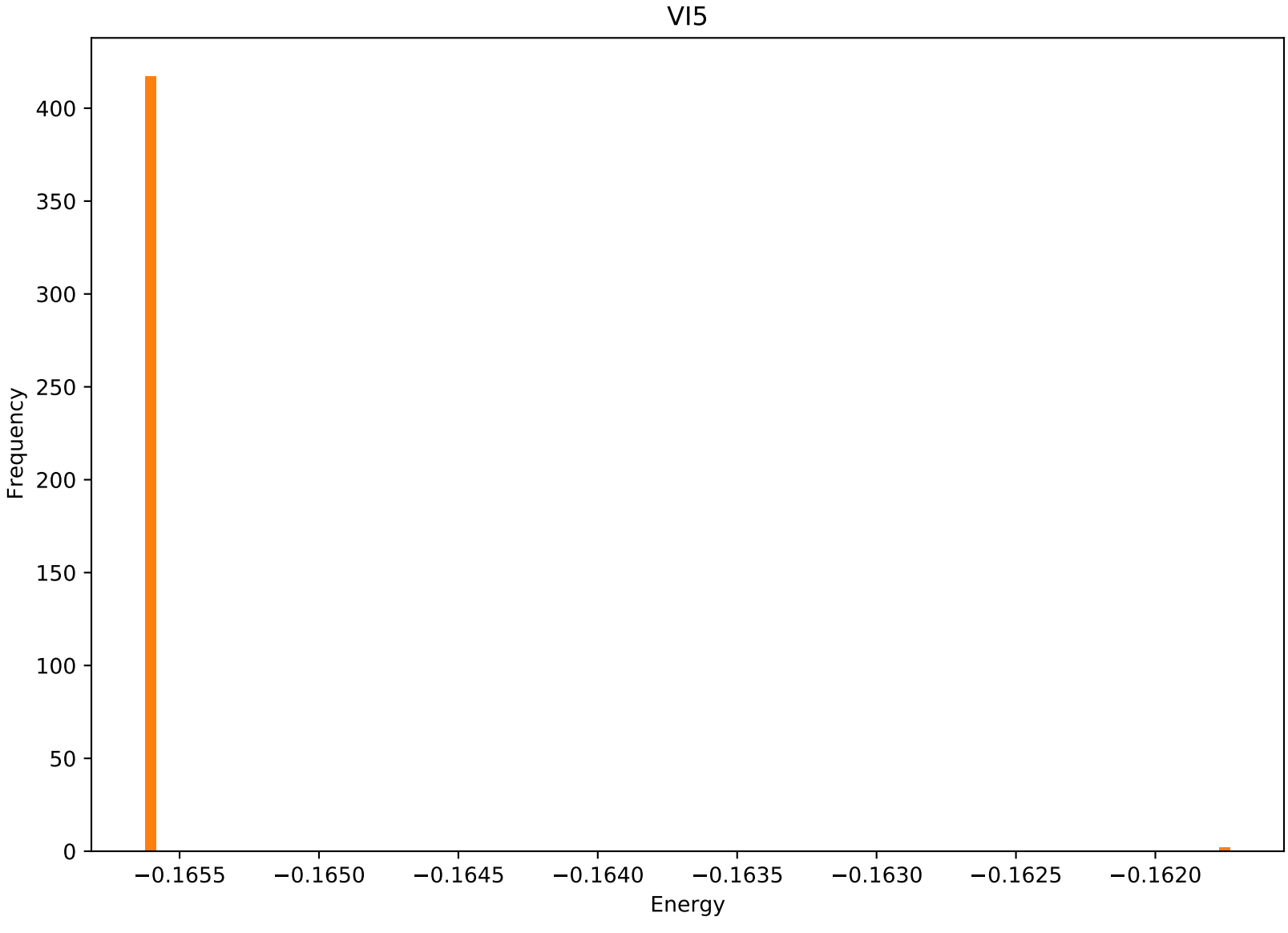

VG8
160
140
120
100
80
60
40
20
0
Frequency
−7.0
−6.5
−6.0
−5.5
−5.0
−4.5
−4.0
−3.5
−3.0
Energy
1e−8−3.4164e−3

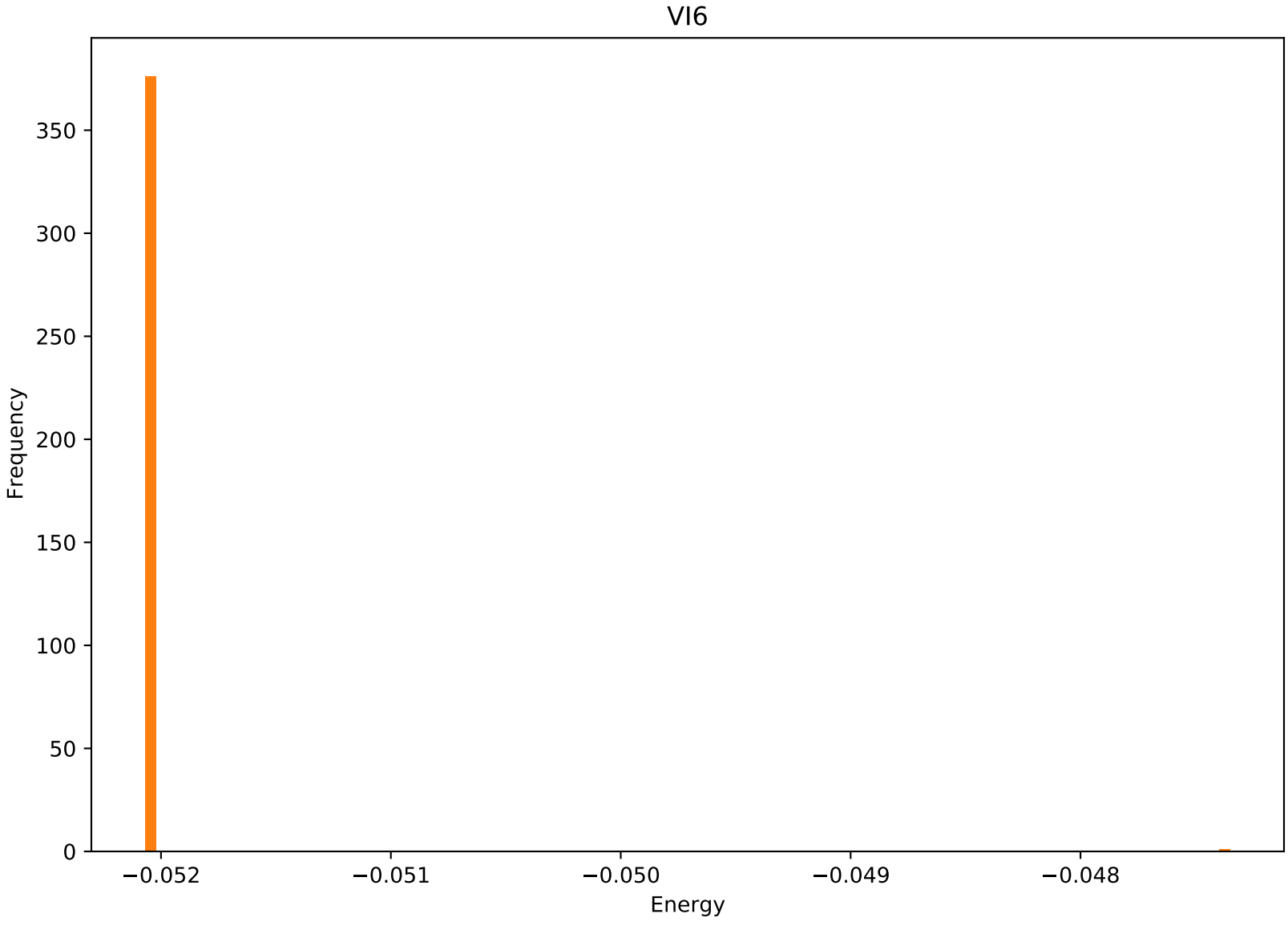

VI1
Frequency
0
100
200
300
400
1.26
1.28
1.30
1.32
1.34
1.36
1.38
1.40
Energy

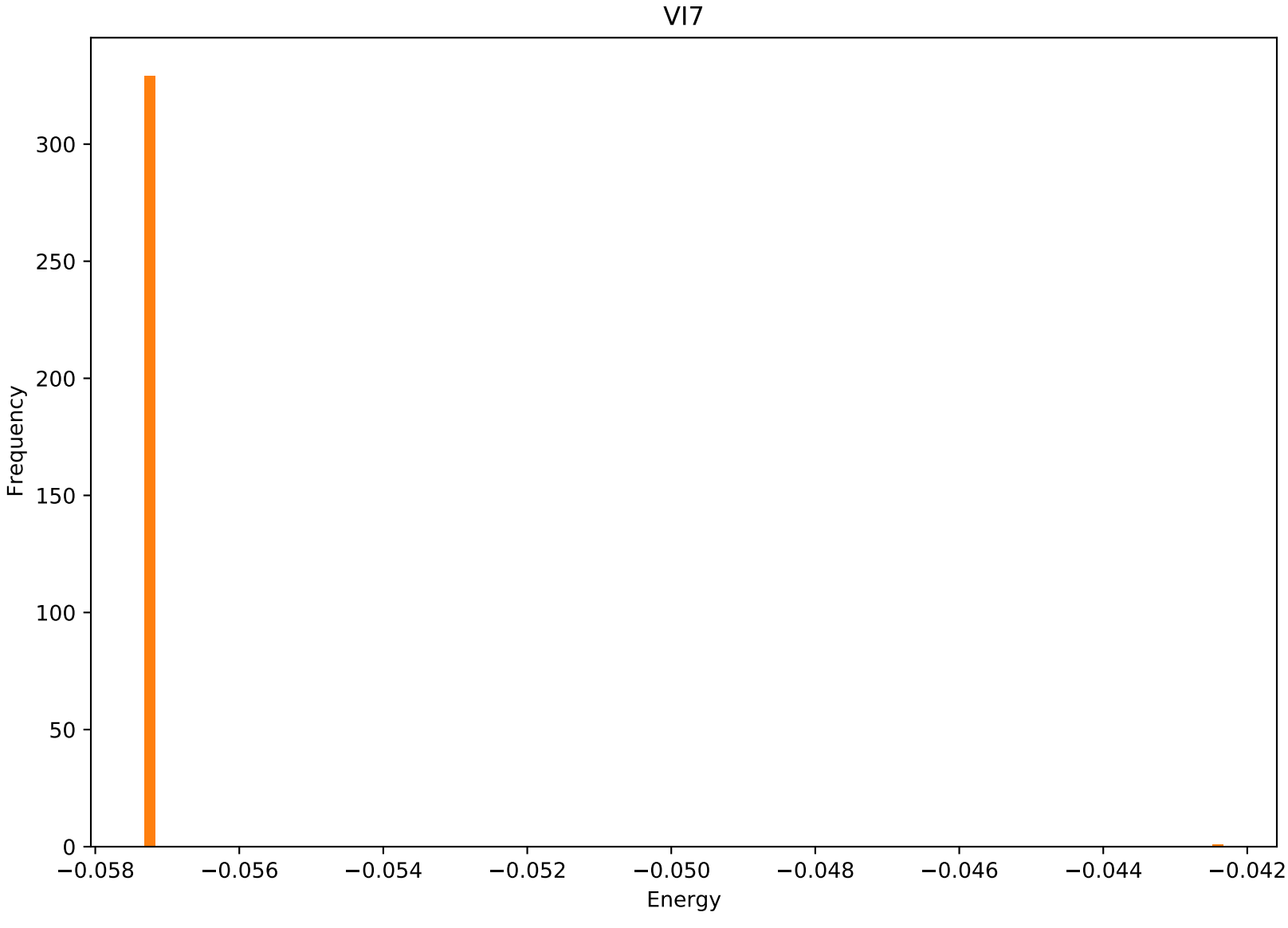

VI2
300
250
200
150
100
50
0
Frequency
−0.9145
−0.9140
−0.9135
−0.9130
−0.9125
−0.9120
−0.9115
Energy

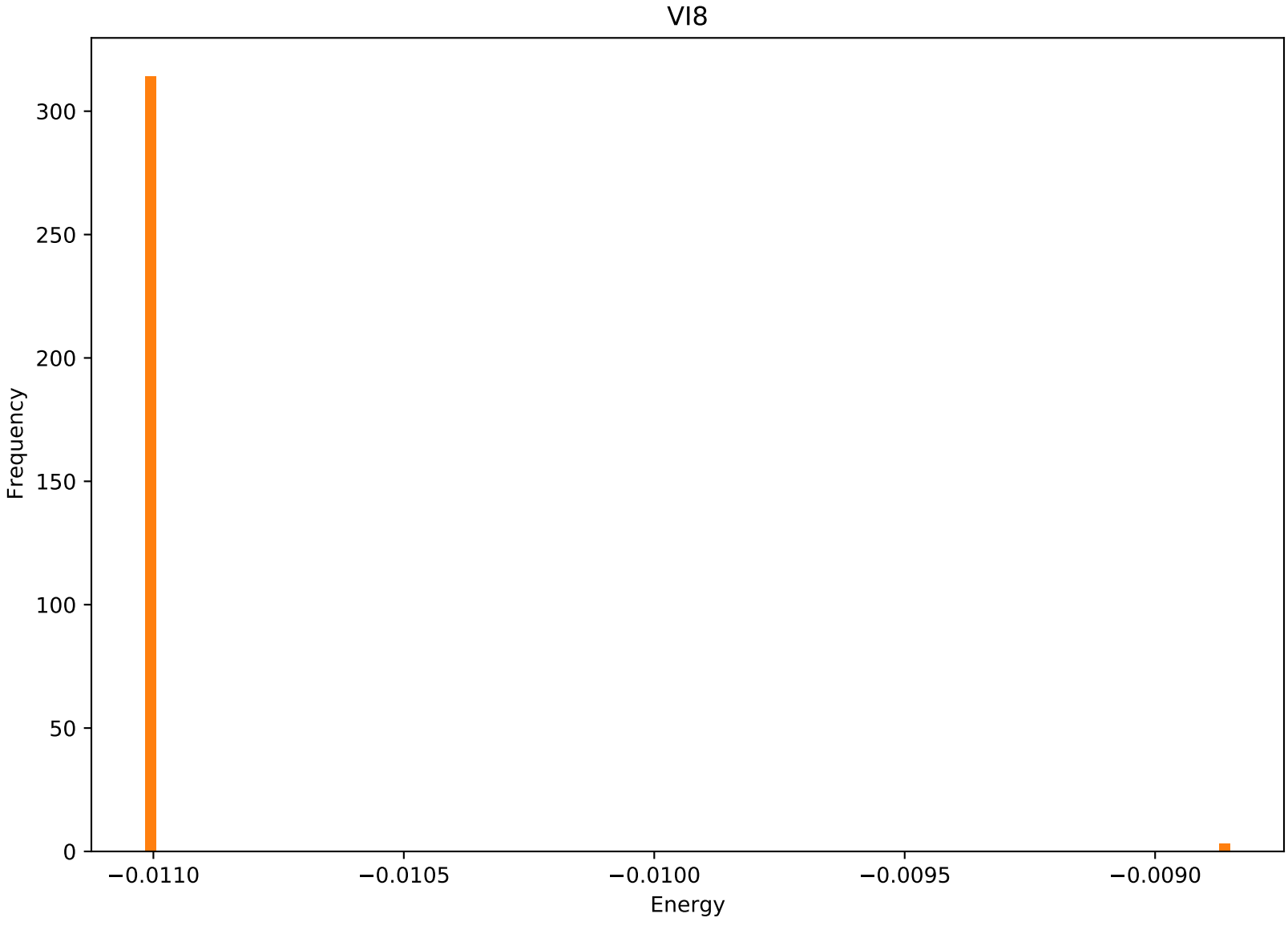

VI3
Frequency
400
350
300
250
200
150
100
50
0
−2.10
−2.05
−2.00
−1.95
Energy
Baseline:
-2.00538

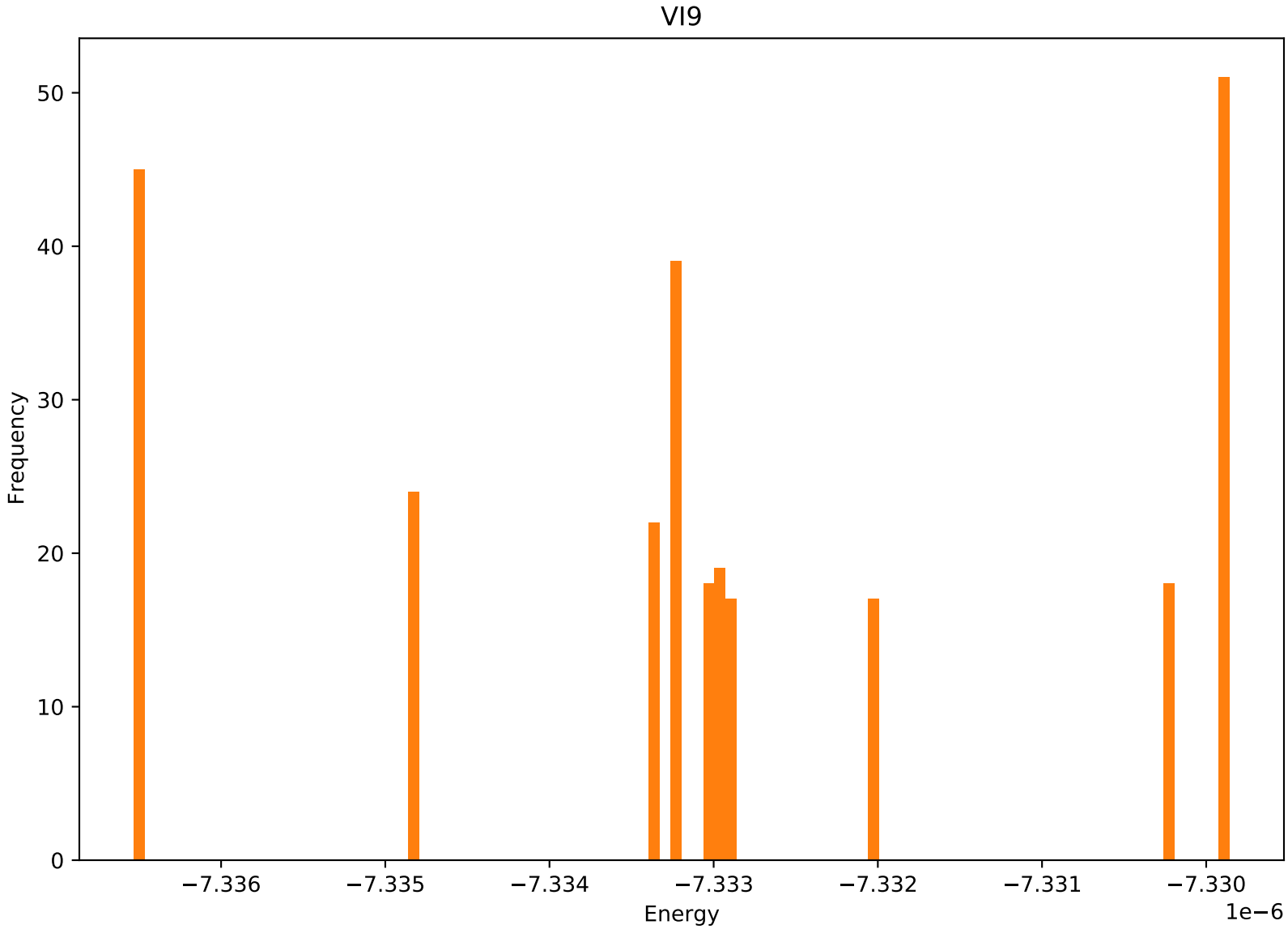

VI4
Frequency
0
10
20
30
40
50
60
70
80
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
Energy
−3.206

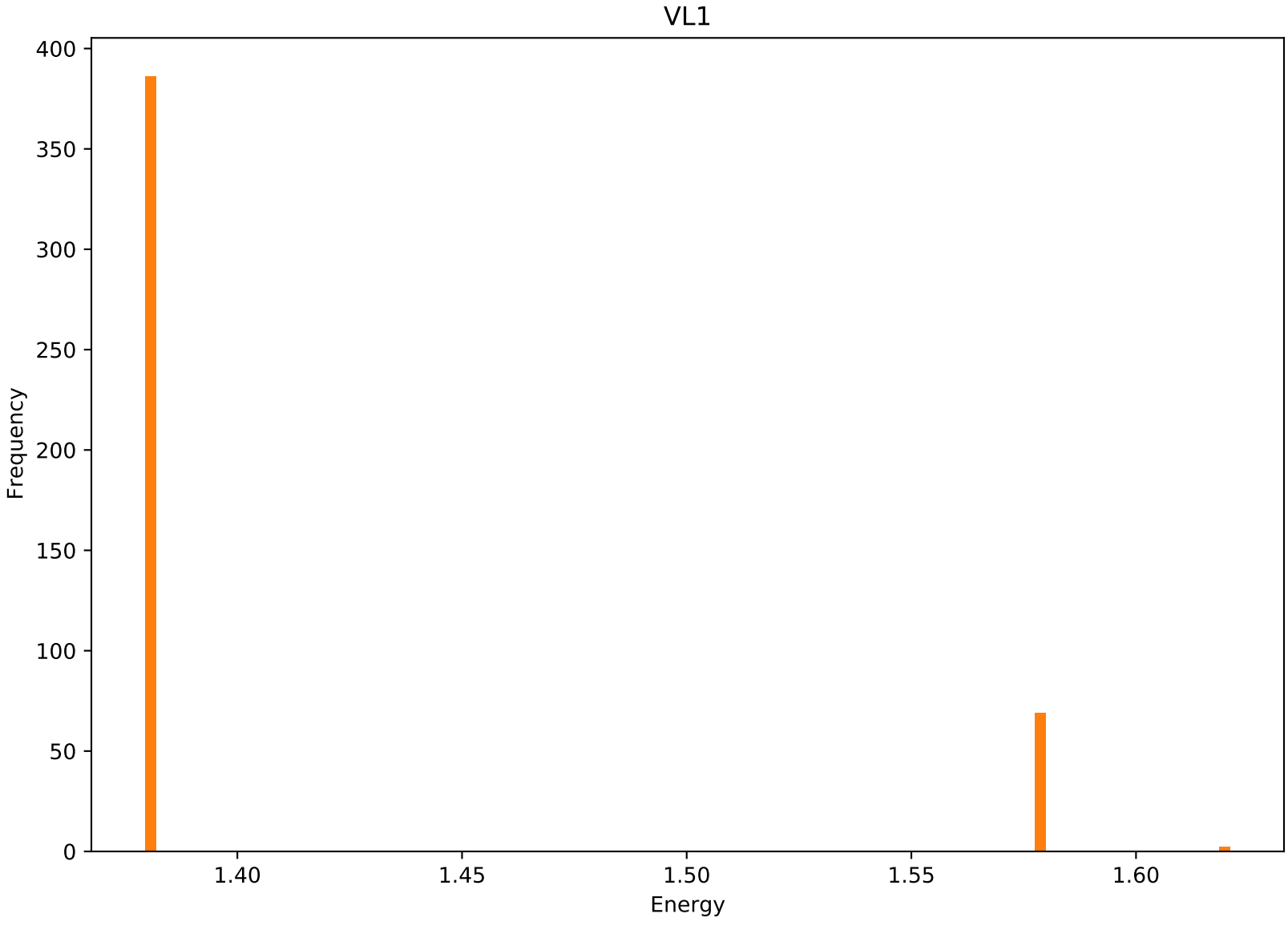

VI5
Frequency
400
350
300
250
200
150
100
50
0
−0.1655
−0.1650
−0.1645
−0.1640
−0.1635
−0.1630
−0.1625
−0.1620
Energy

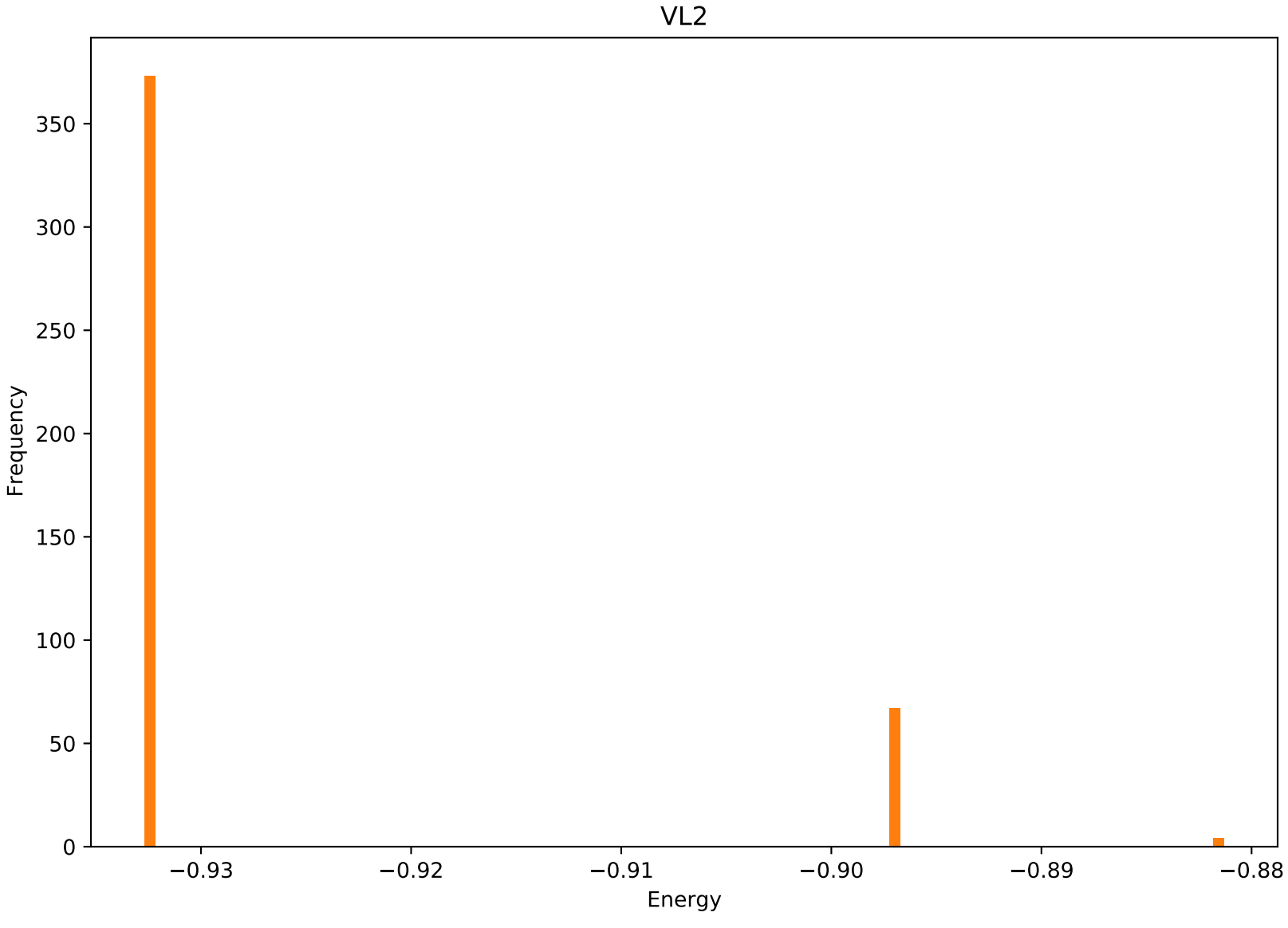

VI6
Frequency
350
300
250
200
150
100
50
0
−0.052
−0.051
−0.050
−0.049
−0.048
Energy

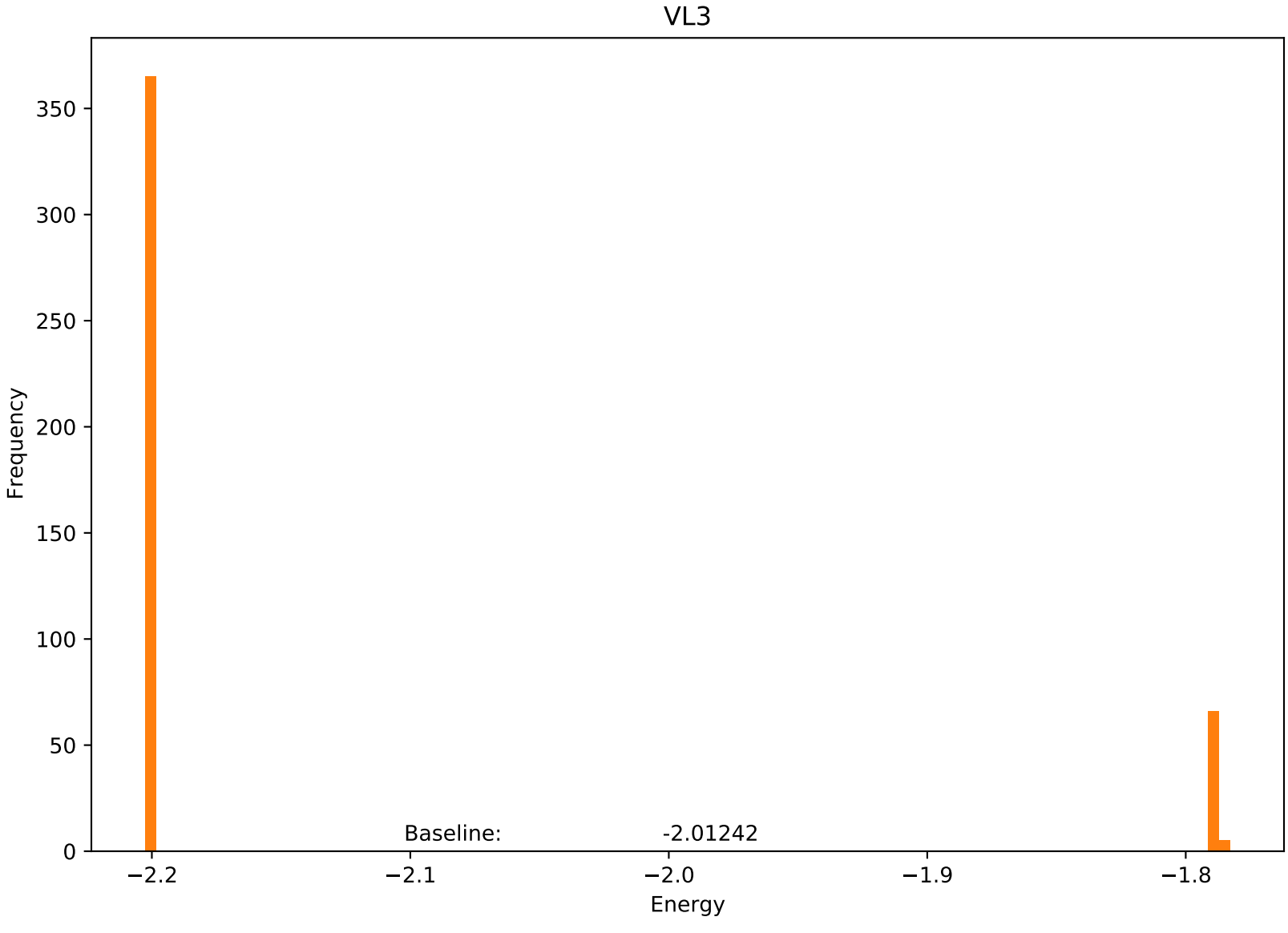

VI7
Frequency
300
250
200
150
100
50
0
−0.058
−0.056
−0.054
−0.052
−0.050
−0.048
−0.046
−0.044
−0.042
Energy

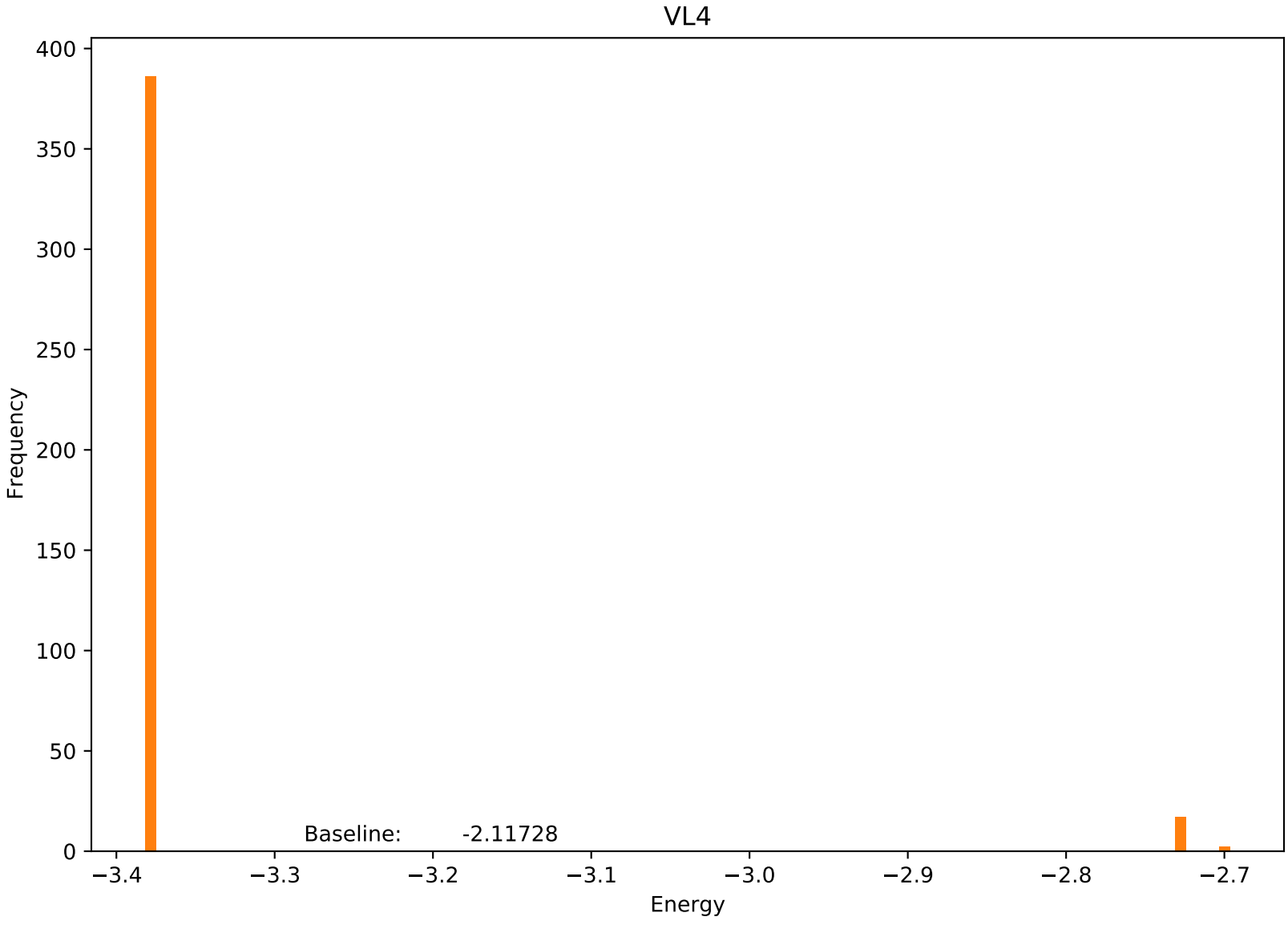

VI8
Frequency
300
250
200
150
100
50
0
−0.0110
−0.0105
−0.0100
−0.0095
−0.0090
Energy

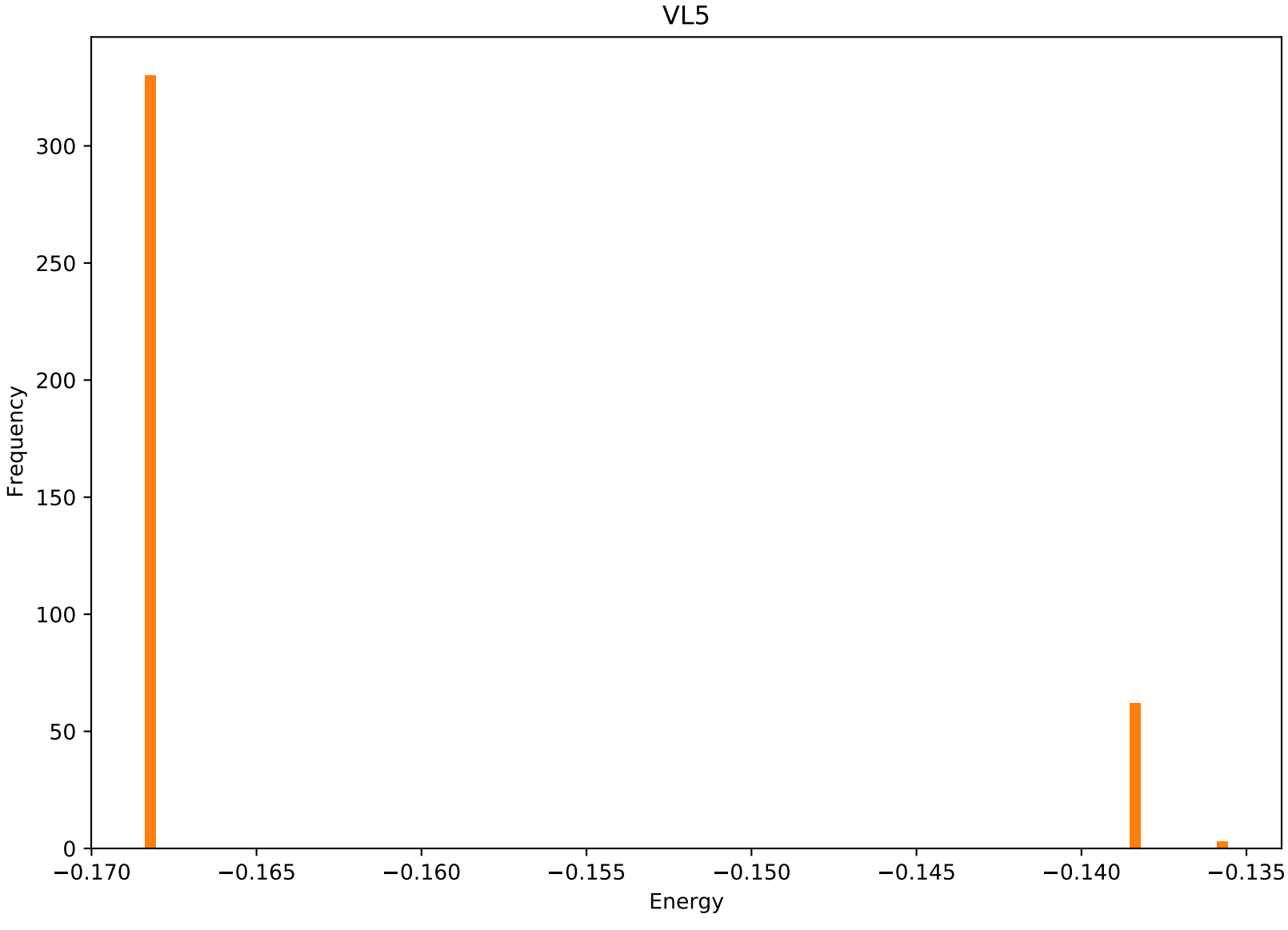

VI9
Frequency
0
10
20
30
40
50
−7.336
−7.335
−7.334
−7.333
−7.332
−7.331
−7.330
Energy
1e−6

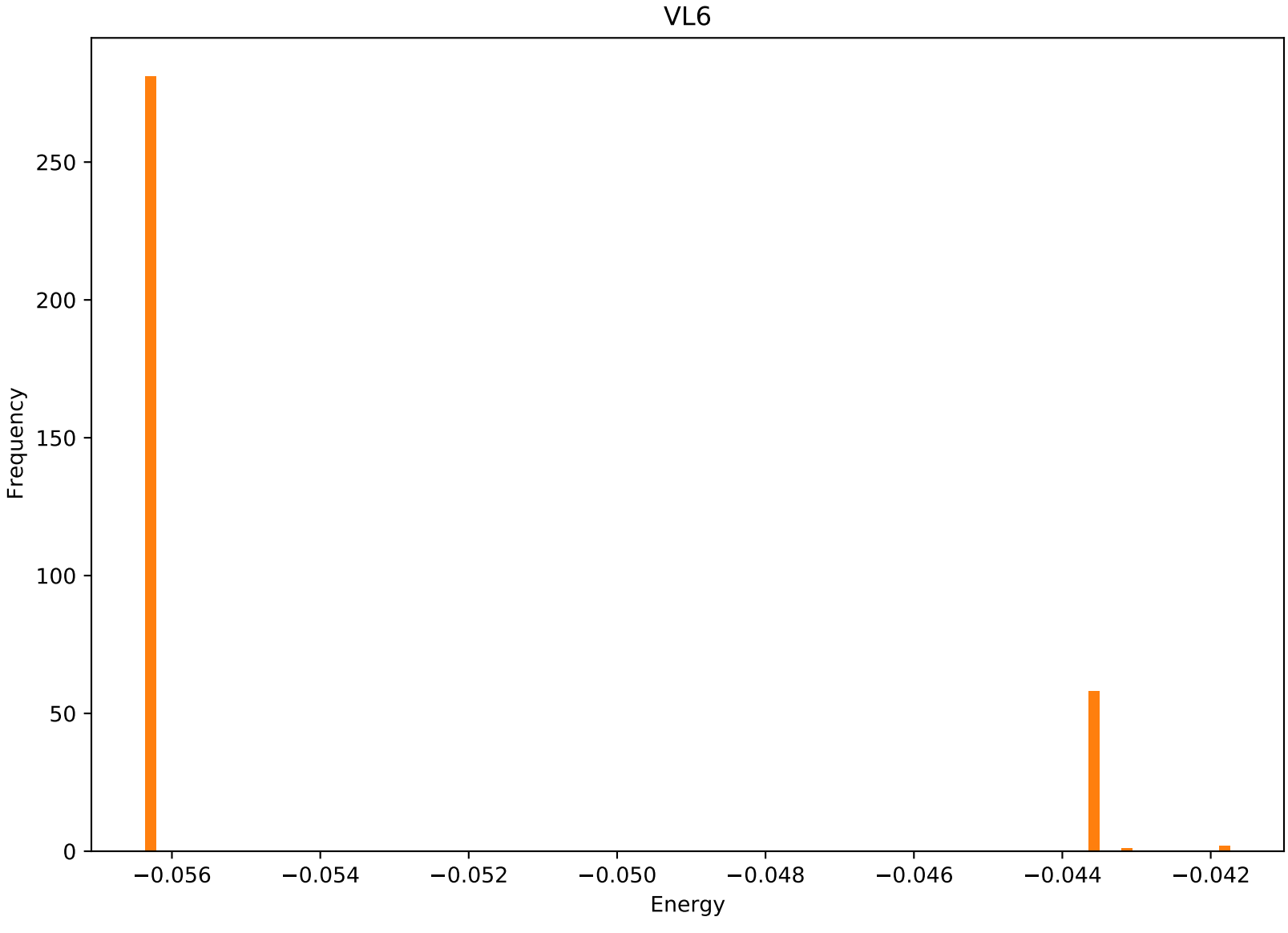

VL1
Frequency
Energy
400
350
300
250
200
150
100
50
0
1.40
1.45
1.50
1.55
1.60

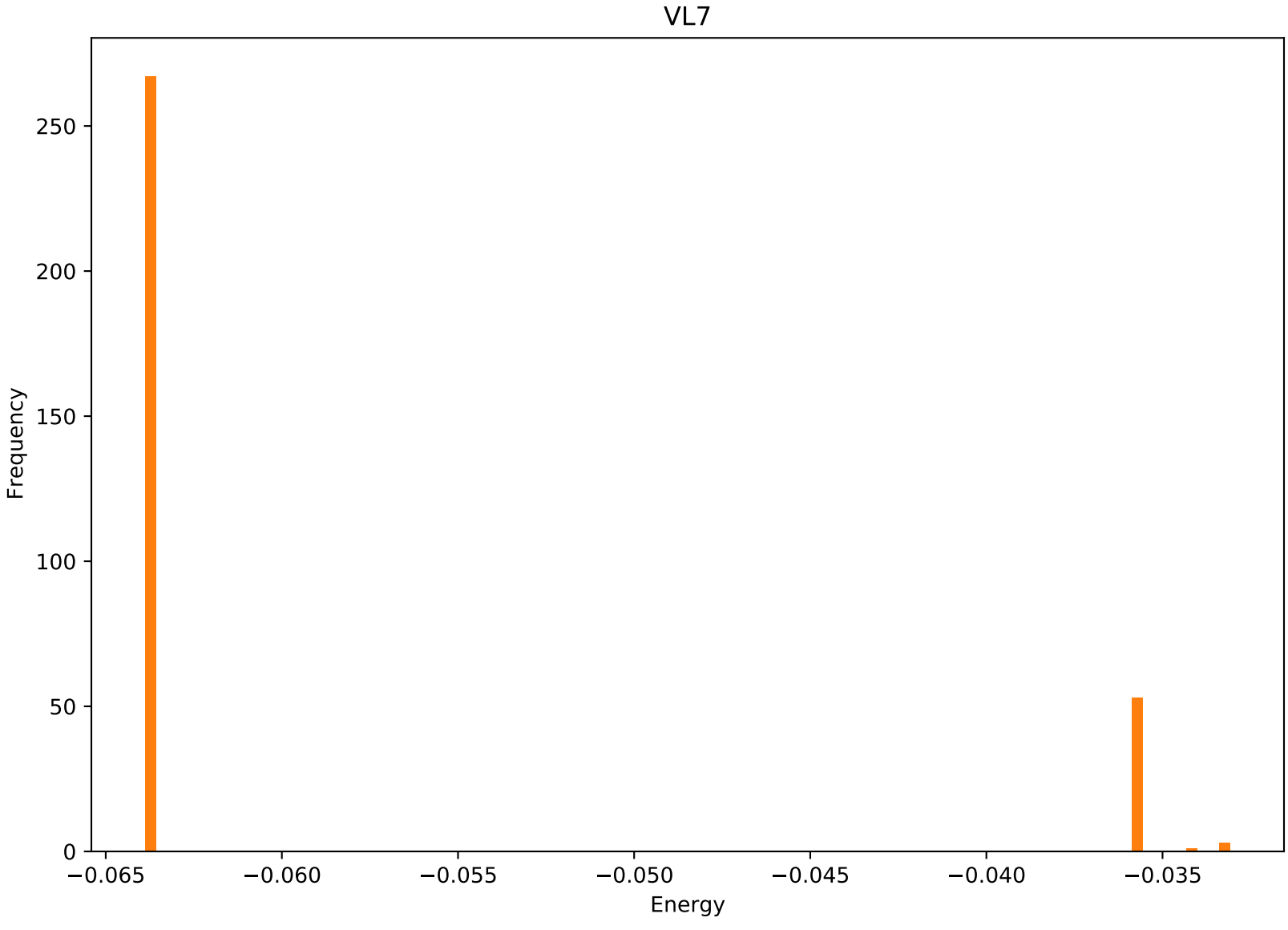

VL2
Frequency
350
300
250
200
150
100
50
0
−0.93
−0.92
−0.91
−0.90
−0.89
−0.88
Energy

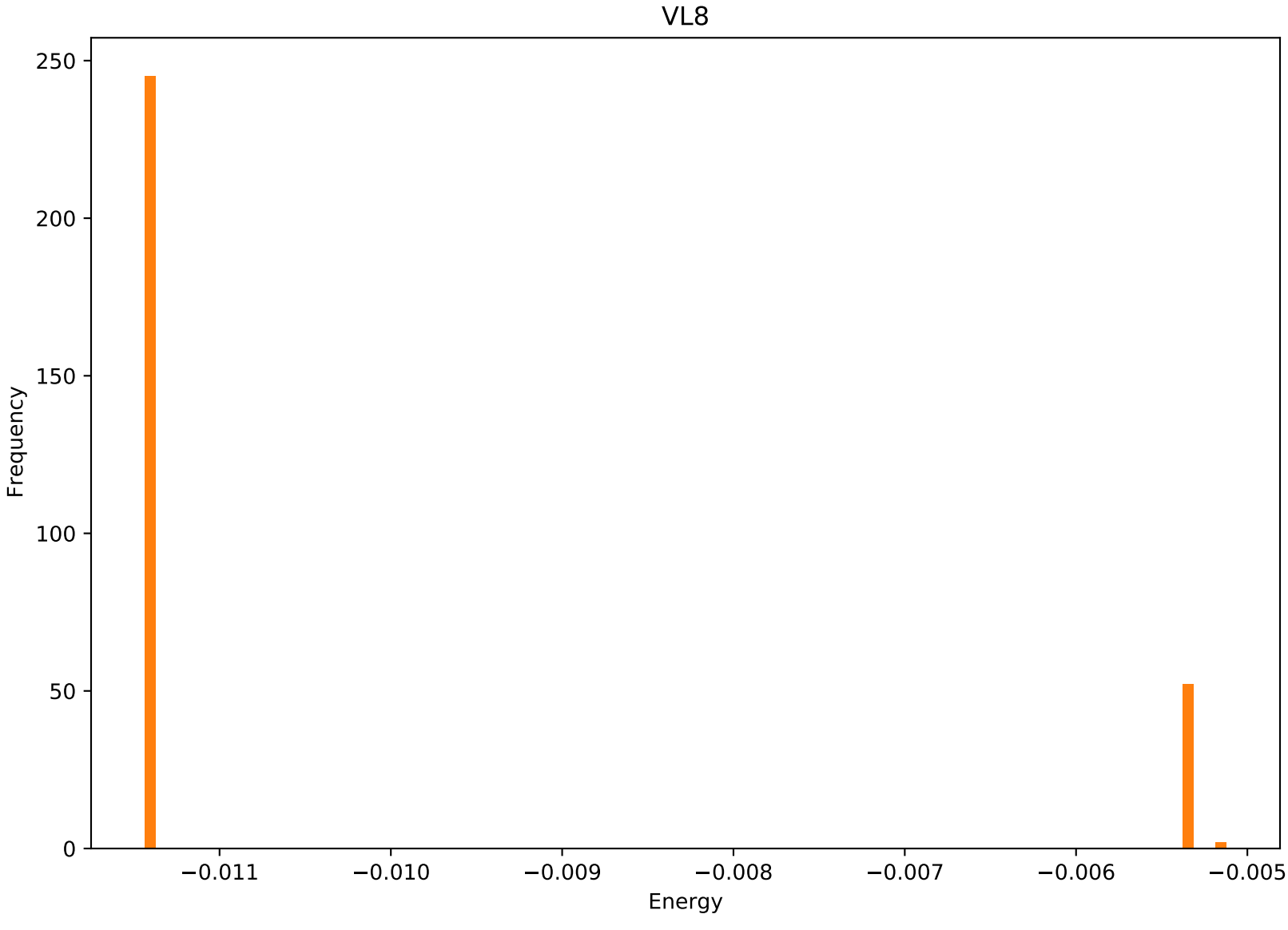

VL3
Frequency
350
300
250
200
150
100
50
0
Baseline:
-2.01242
−2.2
−2.1
−2.0
−1.9
−1.8
Energy

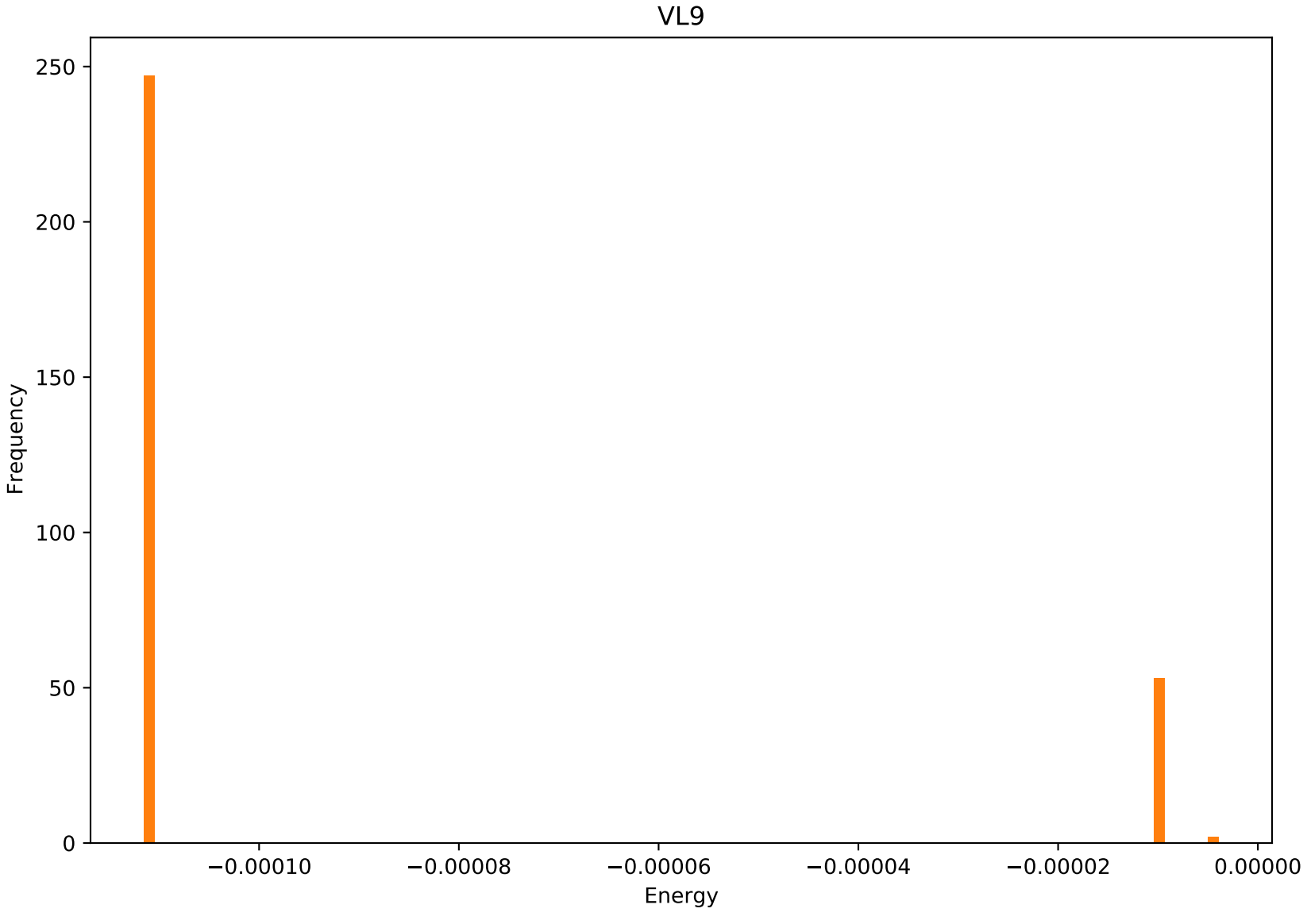

VL4
Frequency
Energy
Baseline: -2.11728
400
350
300
250
200
150
100
50
0
−3.4
−3.3
−3.2
−3.1
−3.0
−2.9
−2.8
−2.7

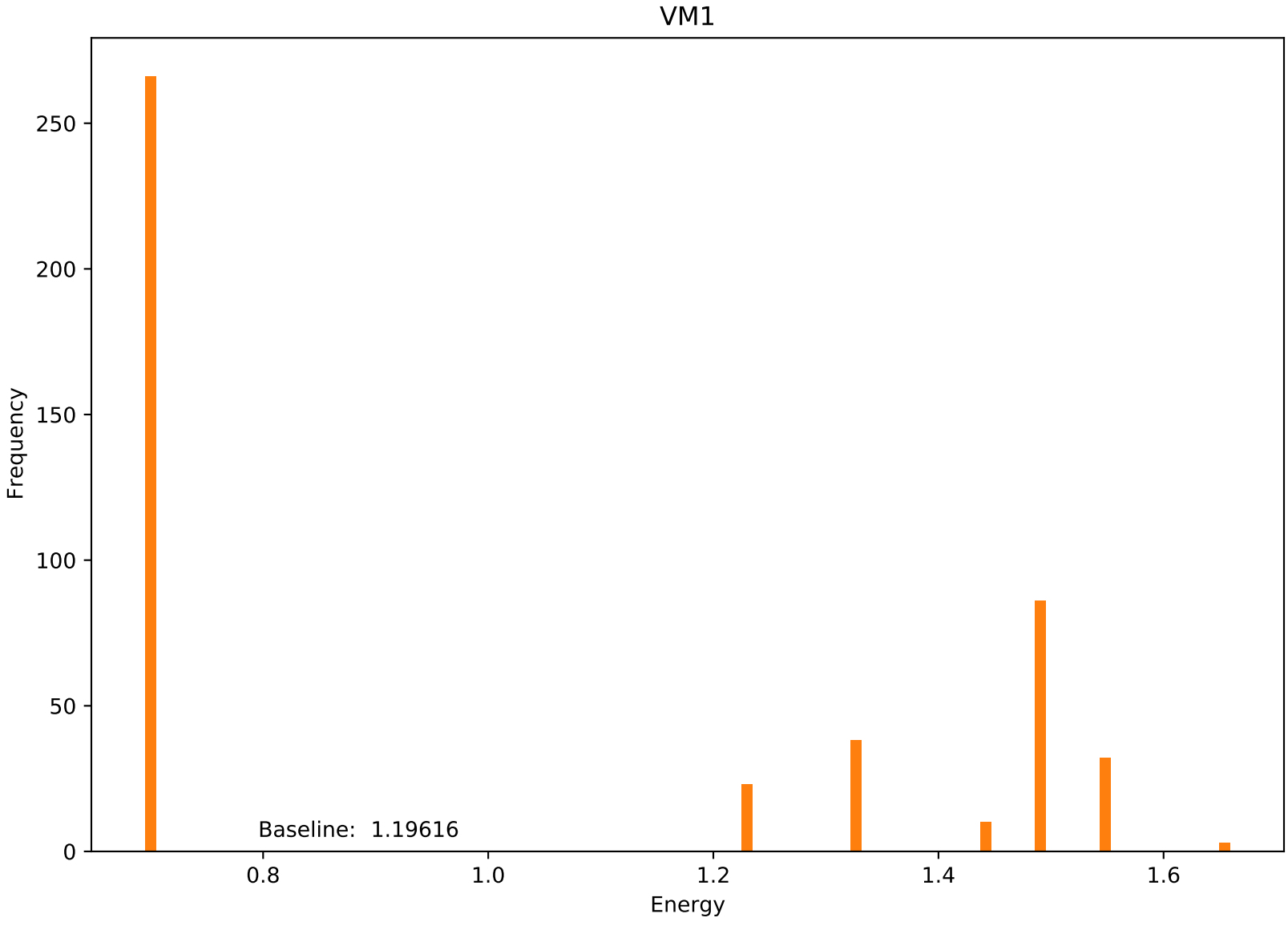

VL5
Frequency
300
250
200
150
100
50
0
−0.170
−0.165
−0.160
−0.155
−0.150
−0.145
−0.140
−0.135
Energy

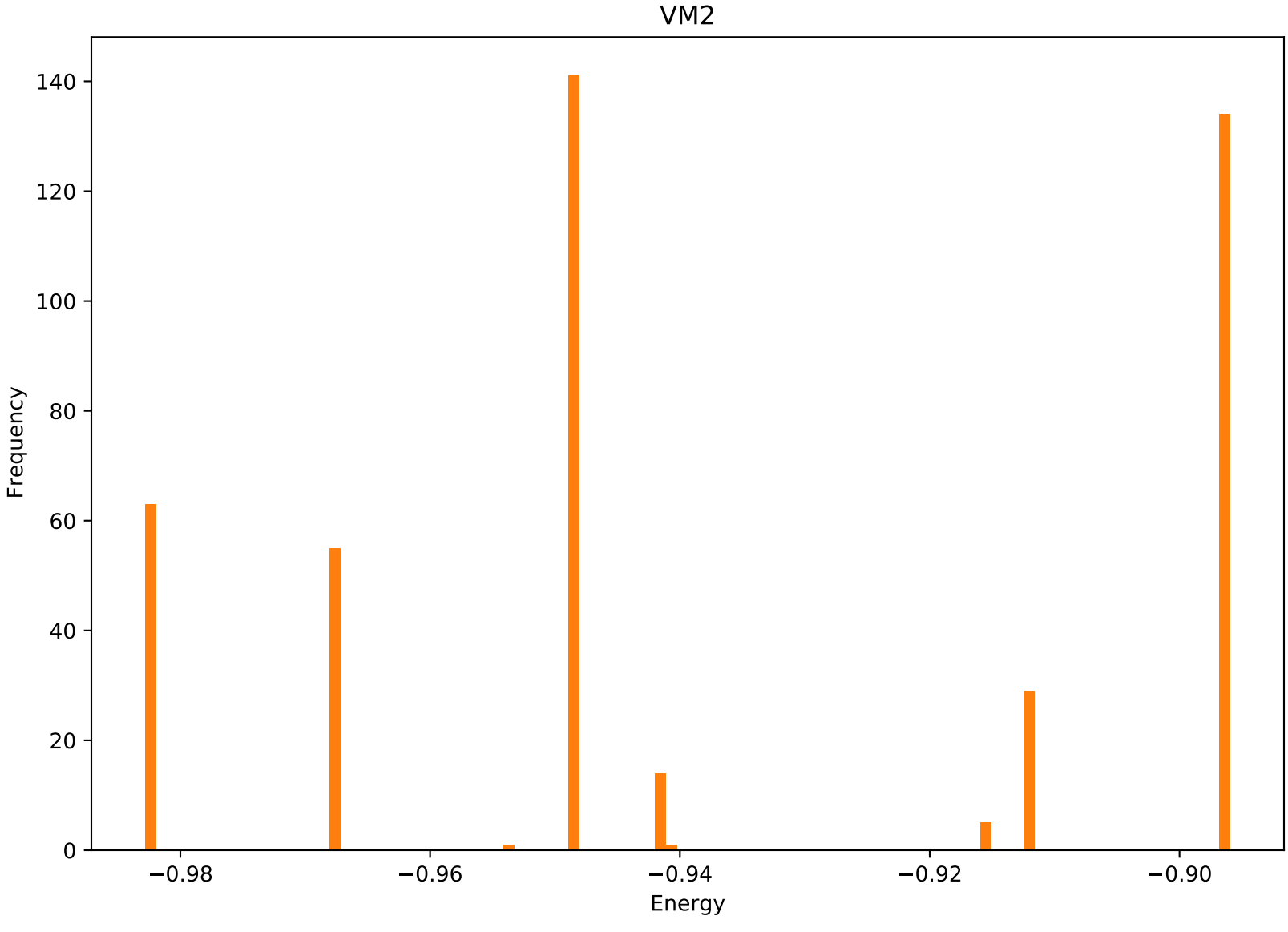

VL6
Frequency
250
200
150
100
50
0
−0.056
−0.054
−0.052
−0.050
−0.048
−0.046
−0.044
−0.042
Energy

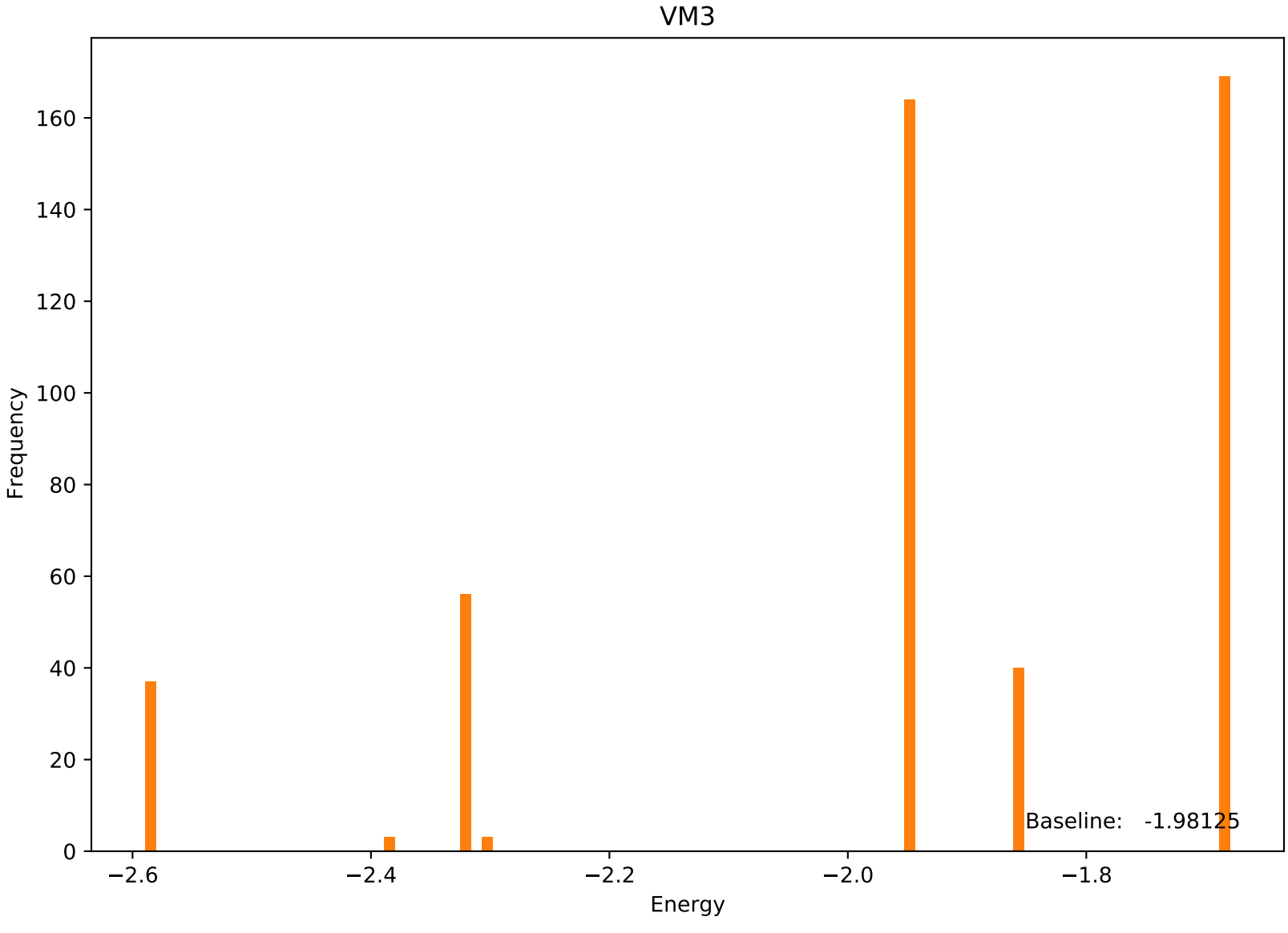

VL7
Frequency
250
200
150
100
50
0
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
−0.035
Energy

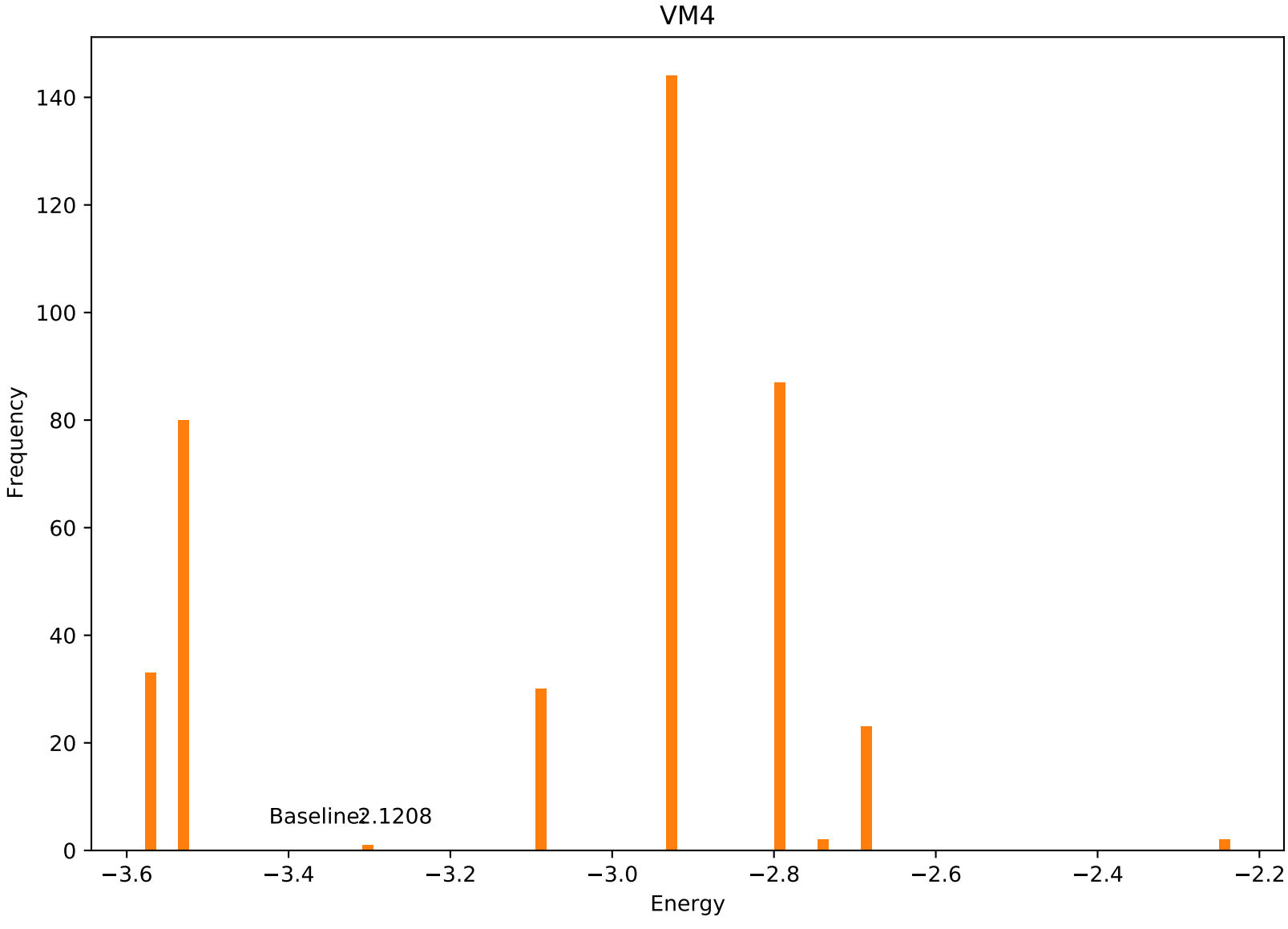

VL8
250
200
150
100
50
0
Frequency
−0.011
−0.010
−0.009
−0.008
−0.007
−0.006
−0.005
Energy

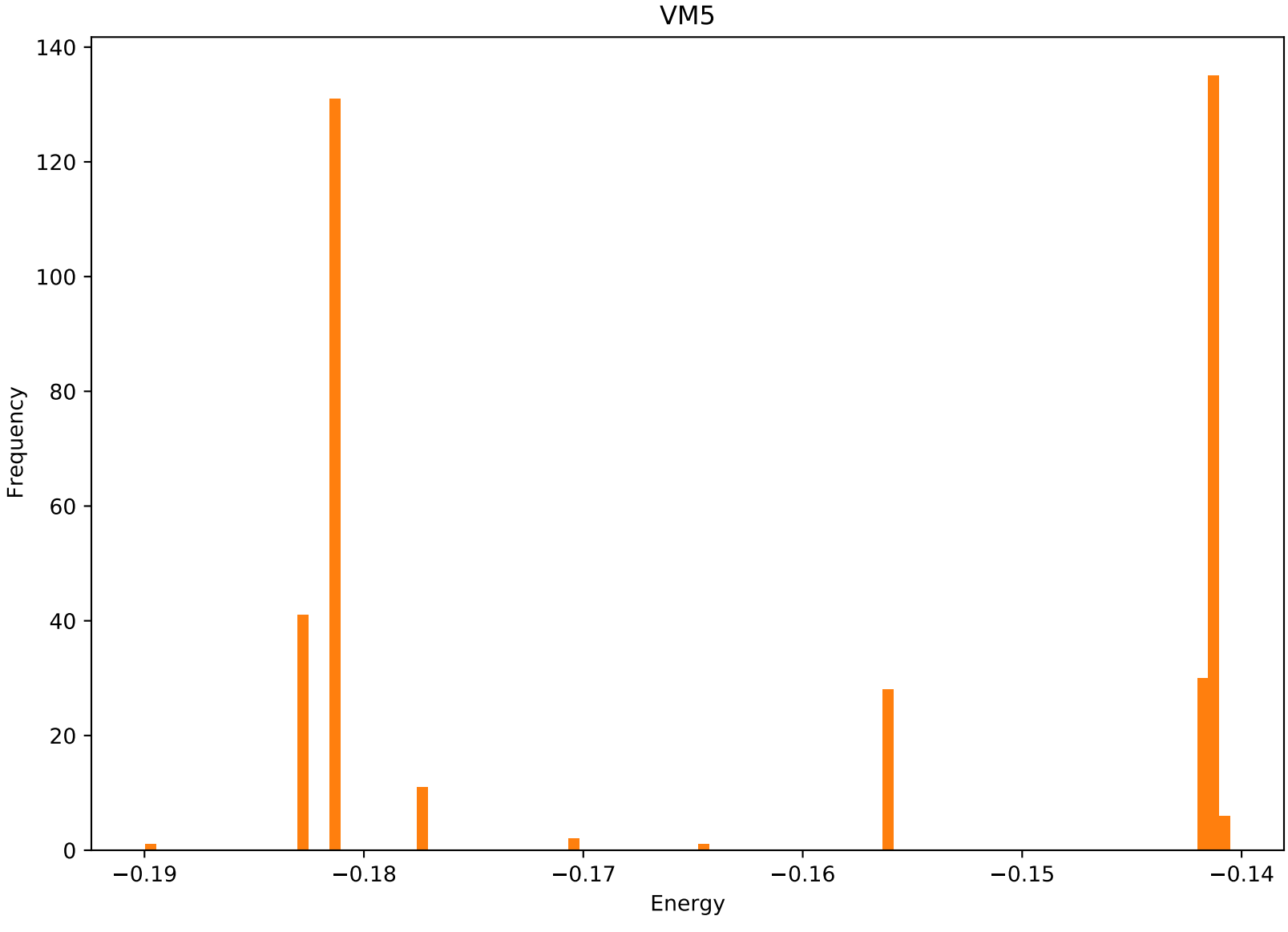

VL9
250
200
150
100
50
0
Frequency
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

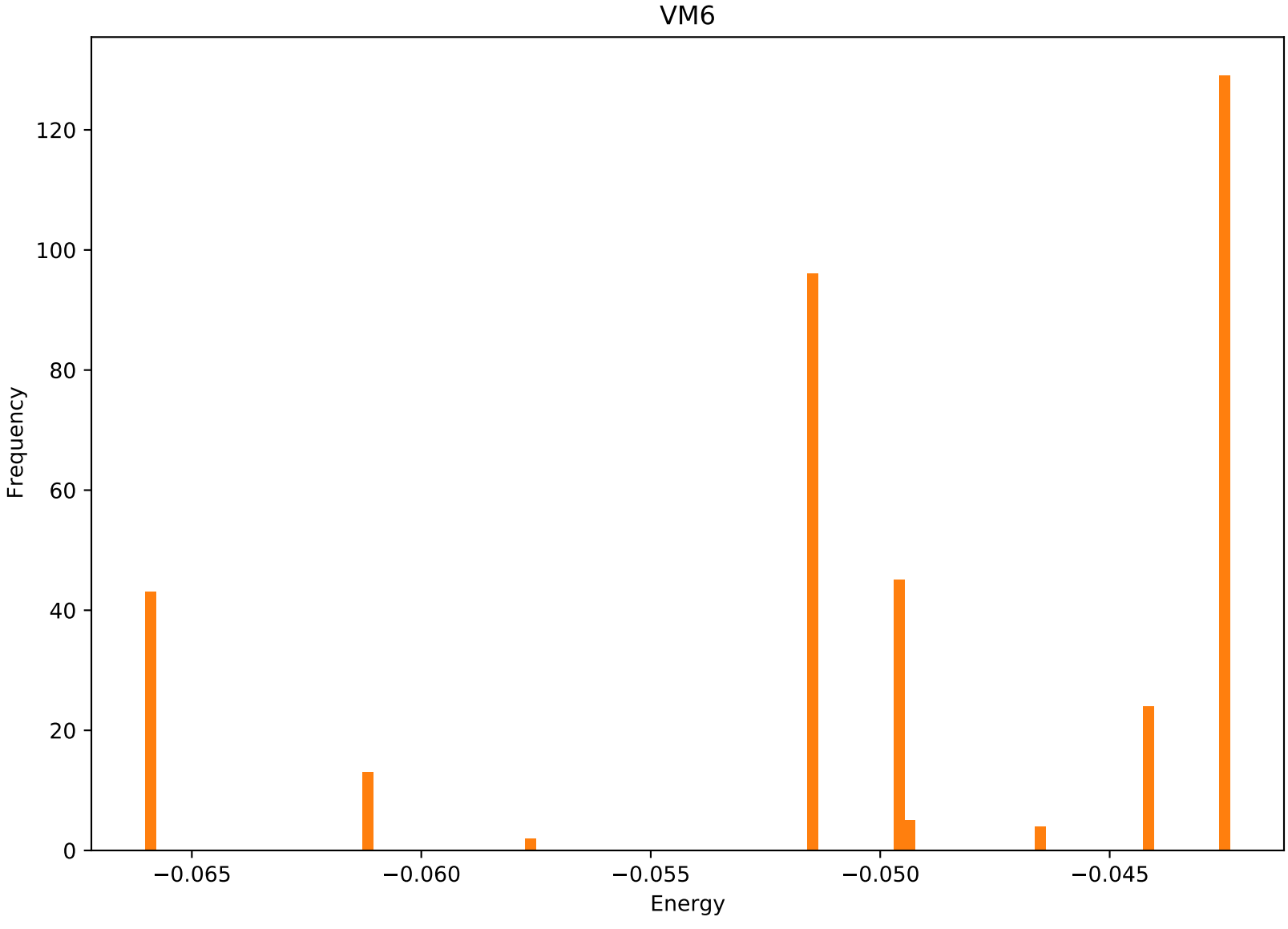

VM1
Frequency
250
200
150
100
50
0
Baseline: 1.19616
0.8
1.0
1.2
1.4
1.6
Energy

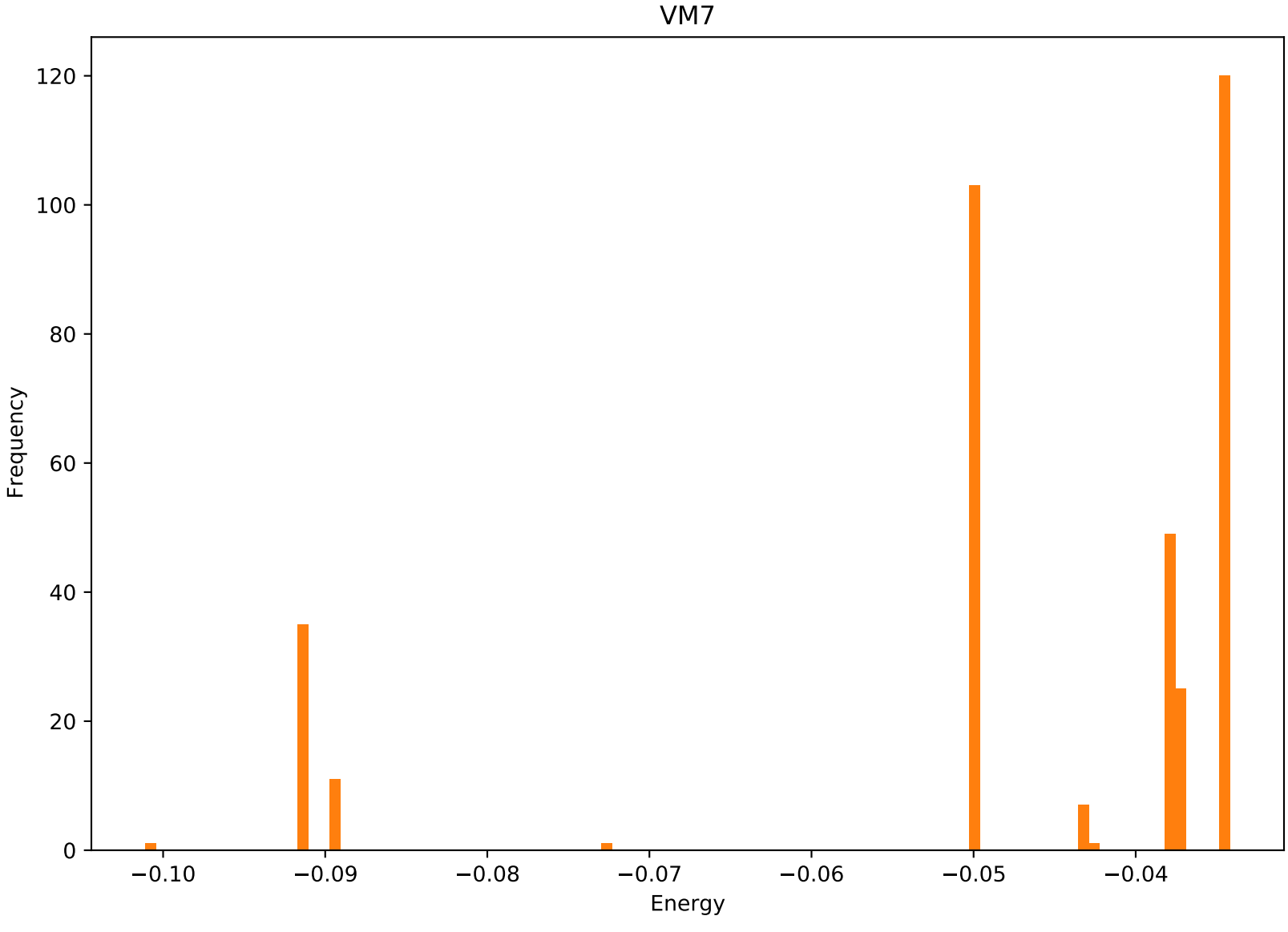

VM2
Frequency
Energy
0
20
40
60
80
100
120
140
−0.98
−0.96
−0.94
−0.92
−0.90

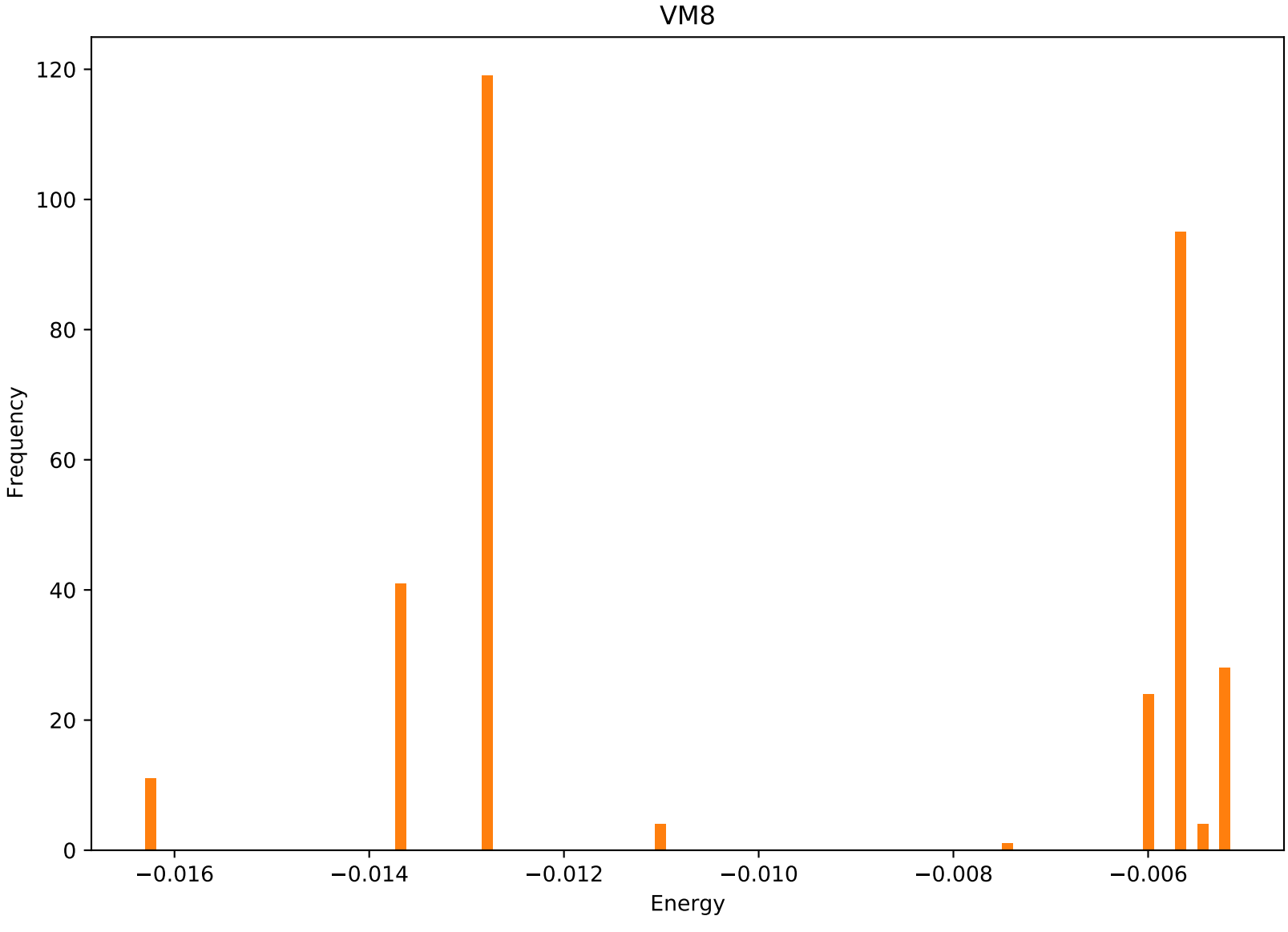

VM3
Frequency
Energy
Baseline: -1.98125
0
20
40
60
80
100
120
140
160
−2.6
−2.4
−2.2
−2.0
−1.8

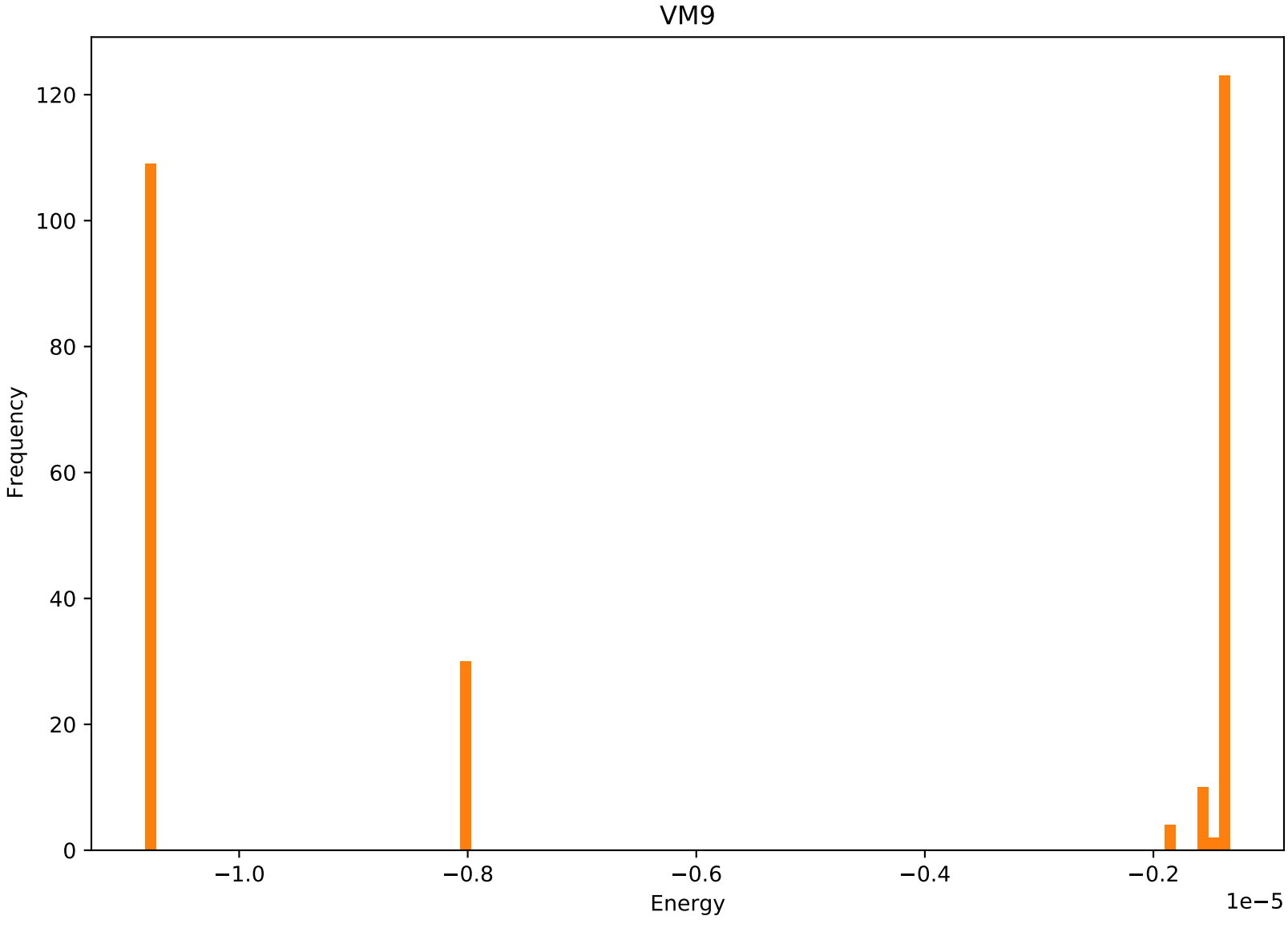

VM4
Frequency
Energy
Baseline: 2.1208
0
20
40
60
80
100
120
140
−3.6
−3.4
−3.2
−3.0
−2.8
−2.6
−2.4
−2.2

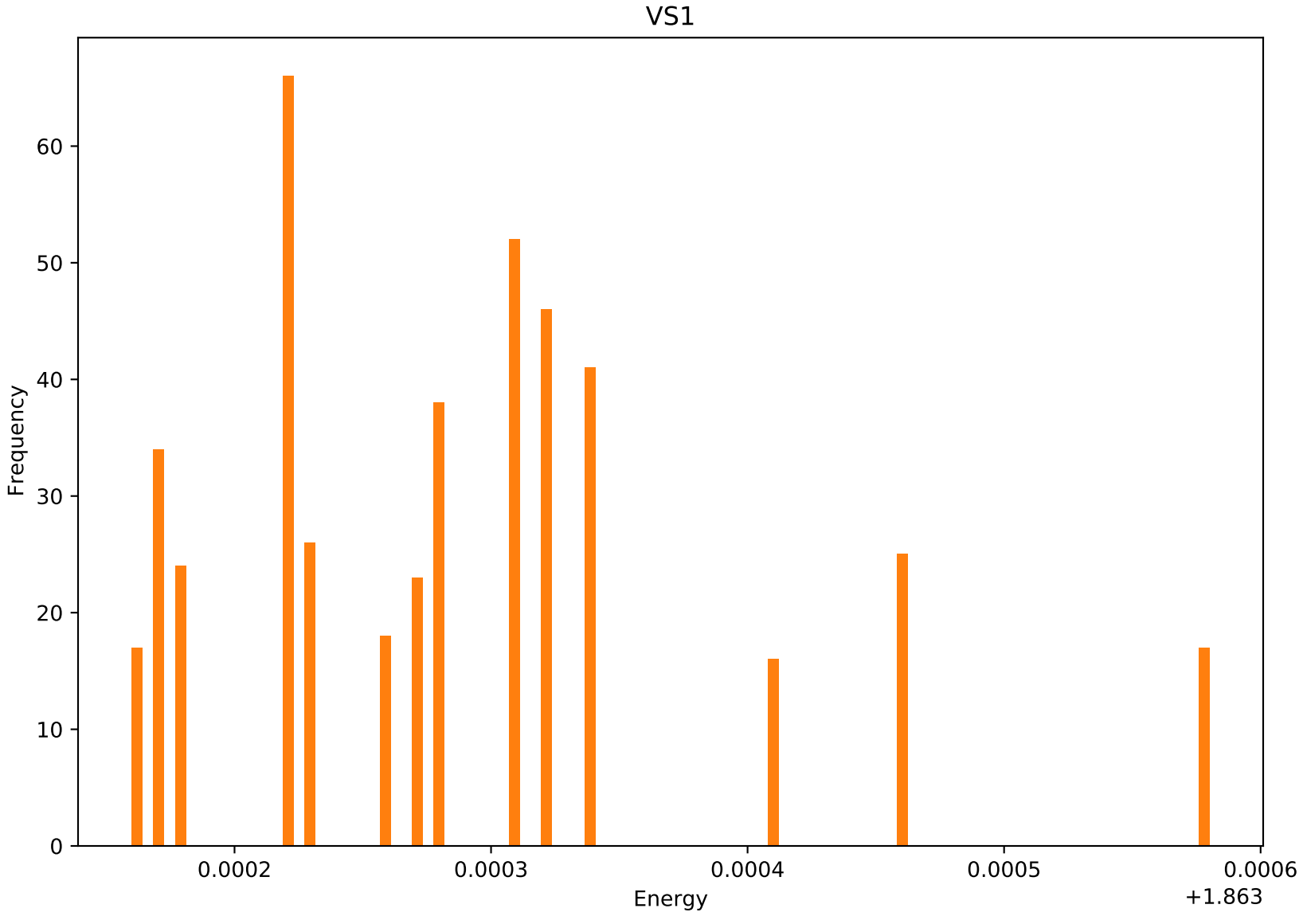

VM5
Frequency
Energy
0
20
40
60
80
100
120
140
−0.19
−0.18
−0.17
−0.16
−0.15
−0.14

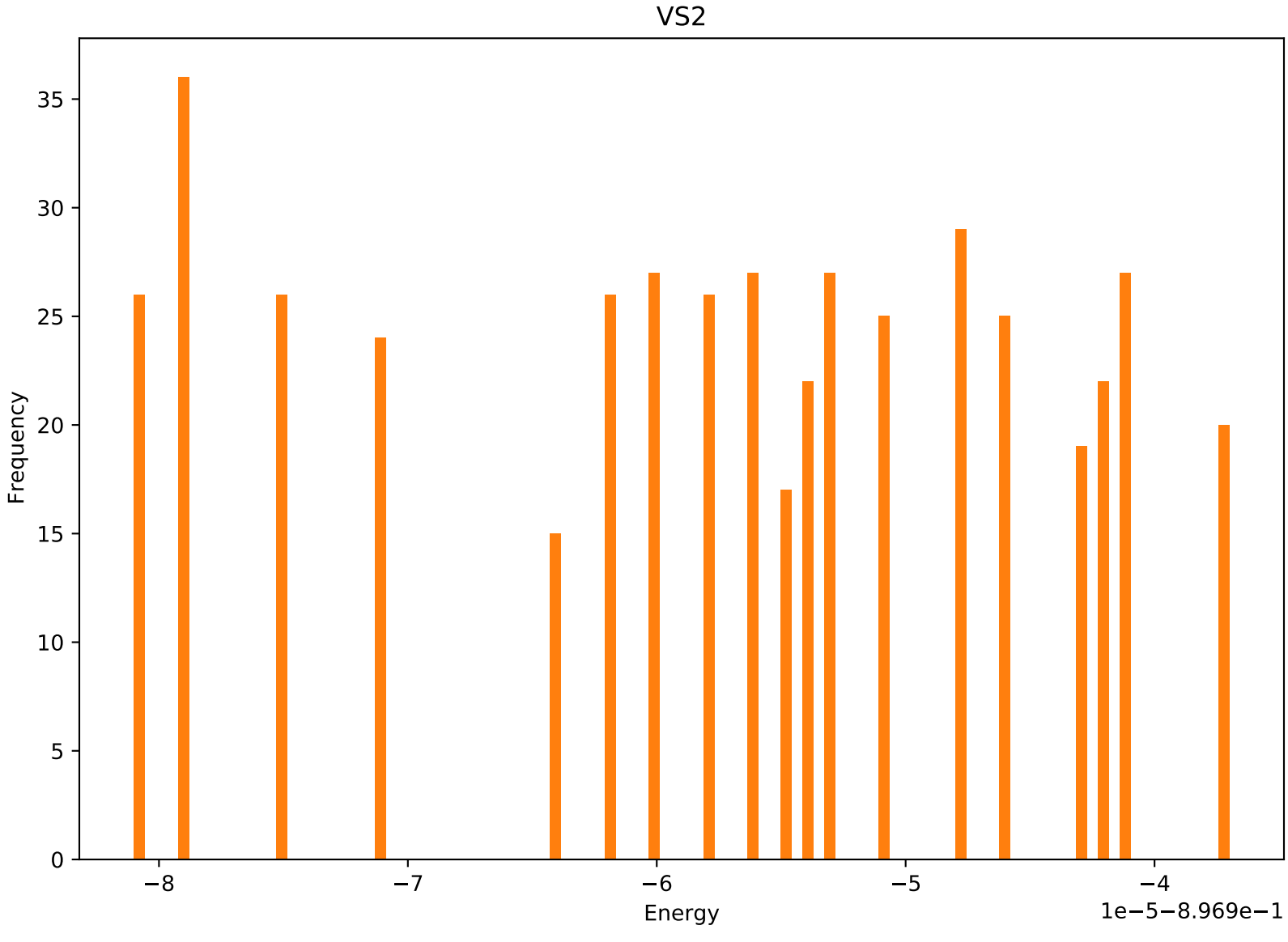

VM6
Frequency
120
100
80
60
40
20
0
−0.065
−0.060
−0.055
−0.050
−0.045
Energy

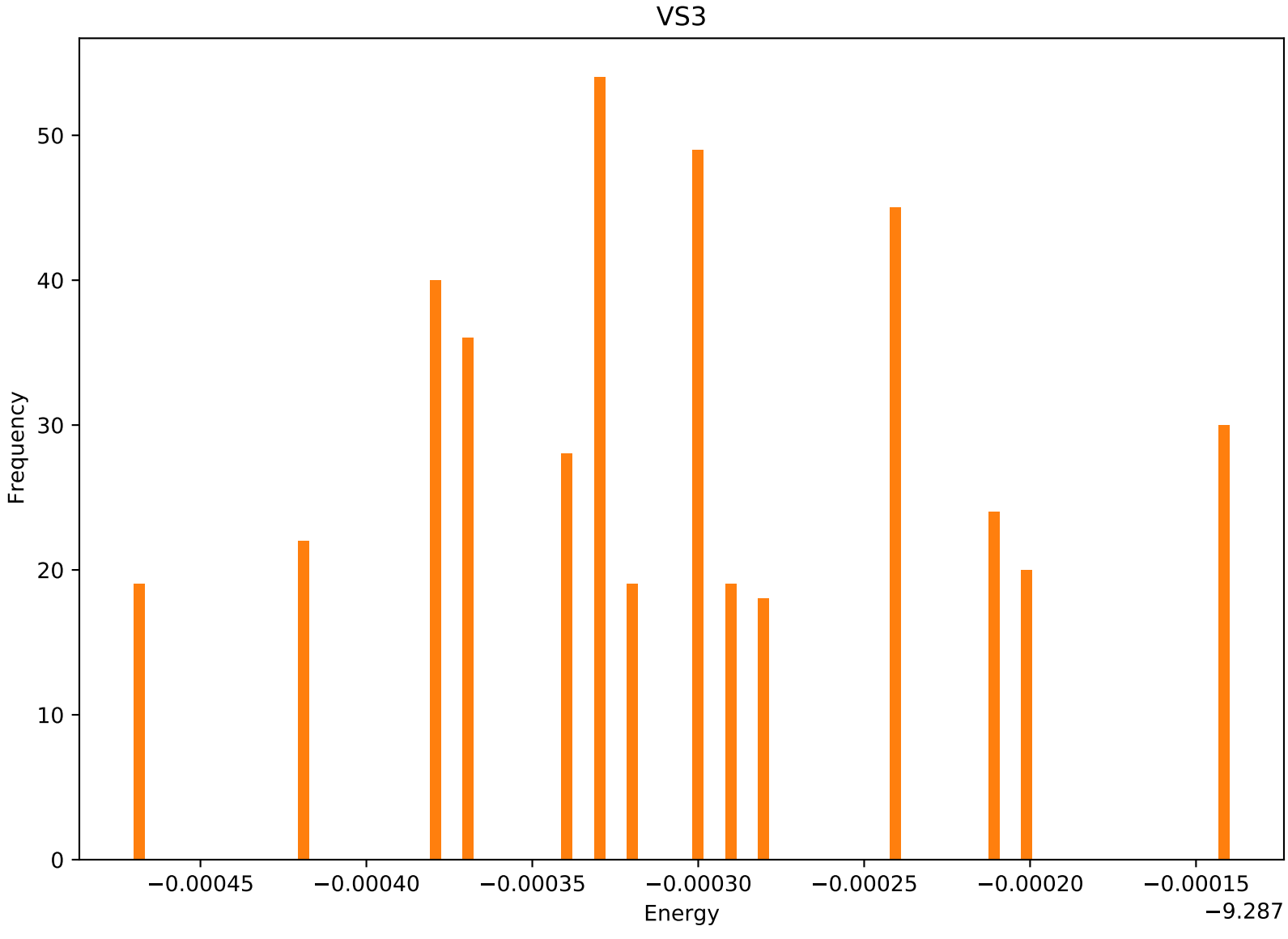

VM7
Frequency
Energy
0
20
40
60
80
100
120
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

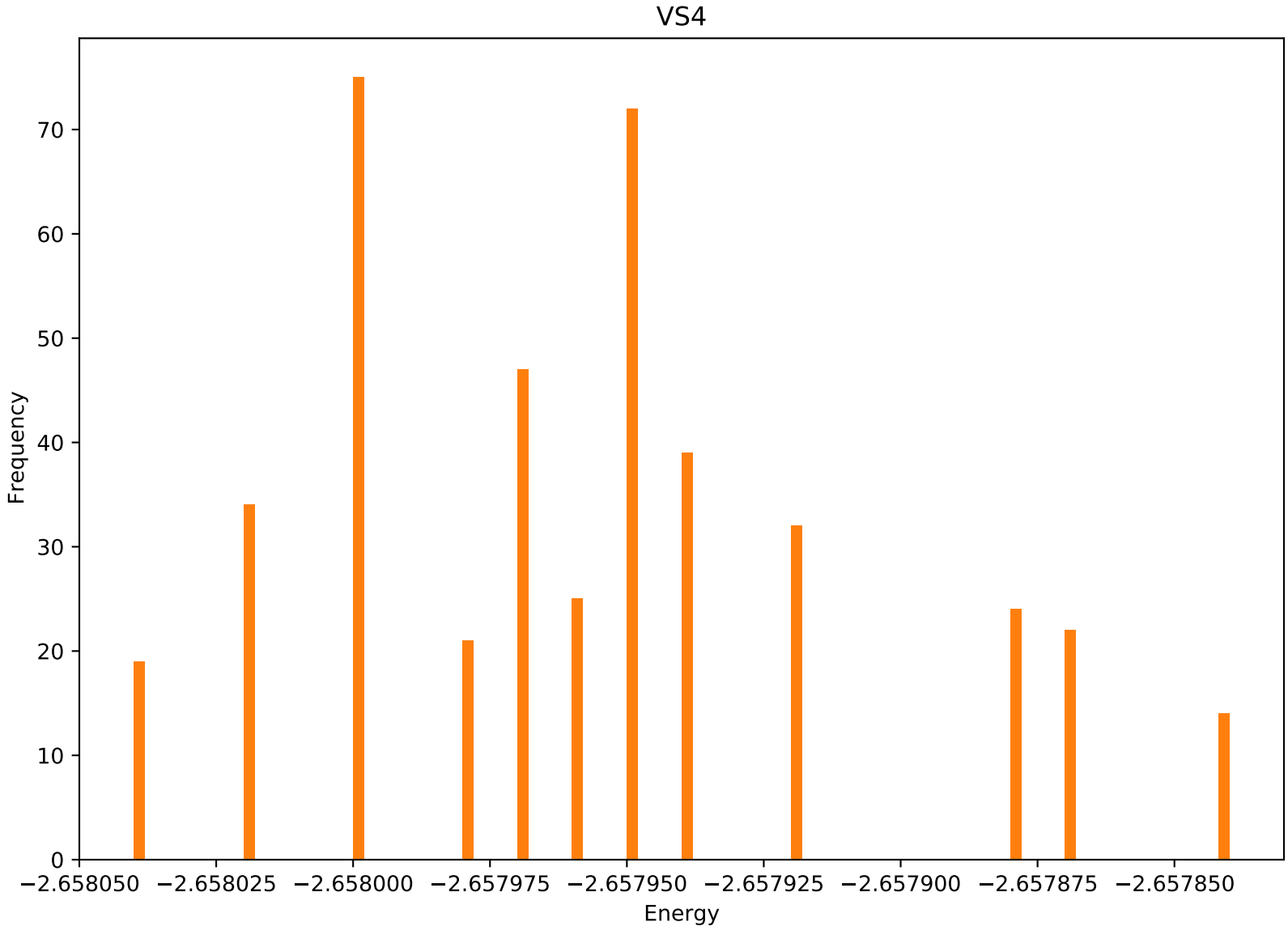

VM8
Frequency
Energy
0
20
40
60
80
100
120
−0.016
−0.014
−0.012
−0.010
−0.008
−0.006

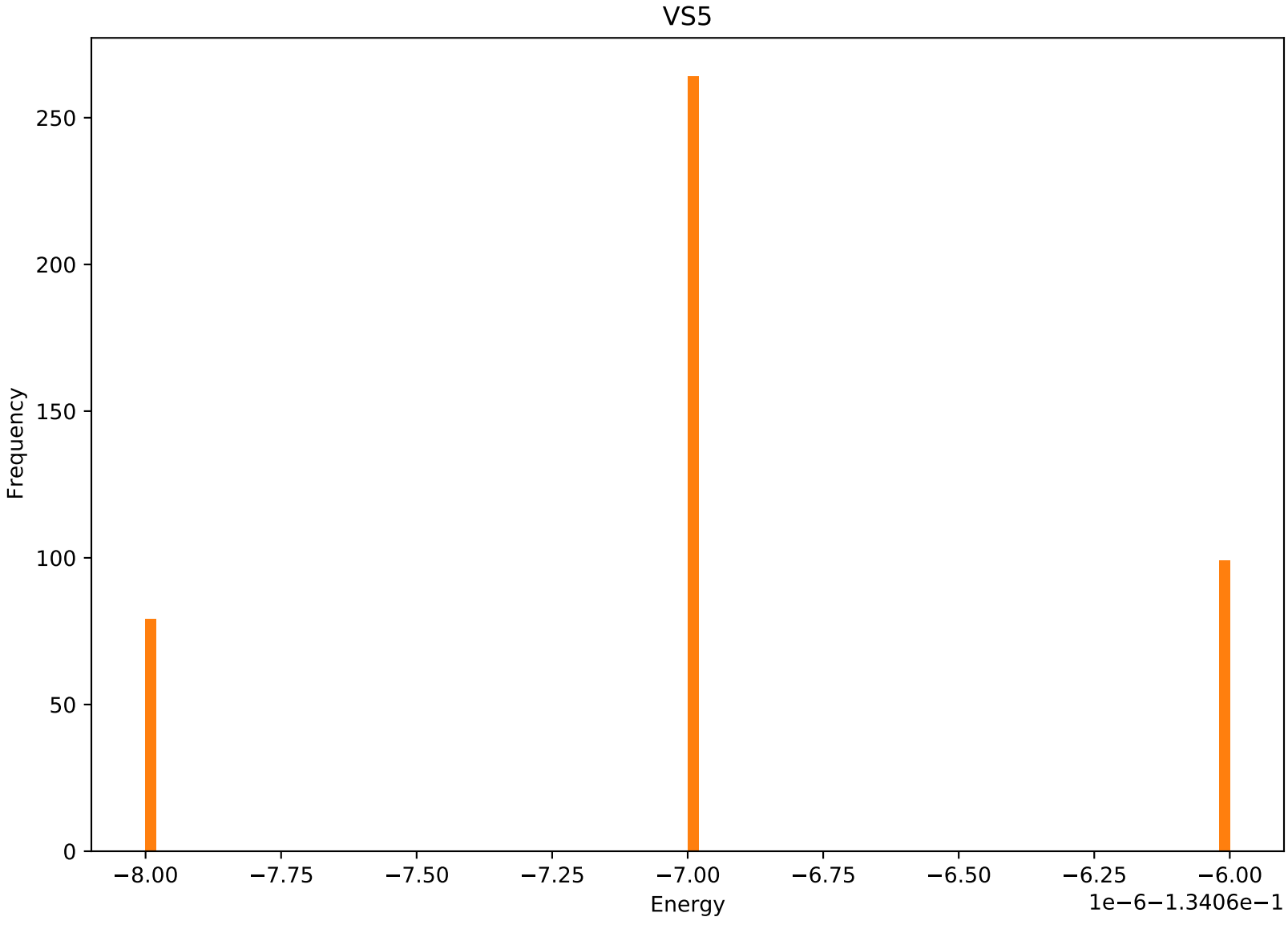

VM9
Frequency
120
100
80
60
40
20
0
−1.0
−0.8
−0.6
−0.4
−0.2
Energy
1e−5

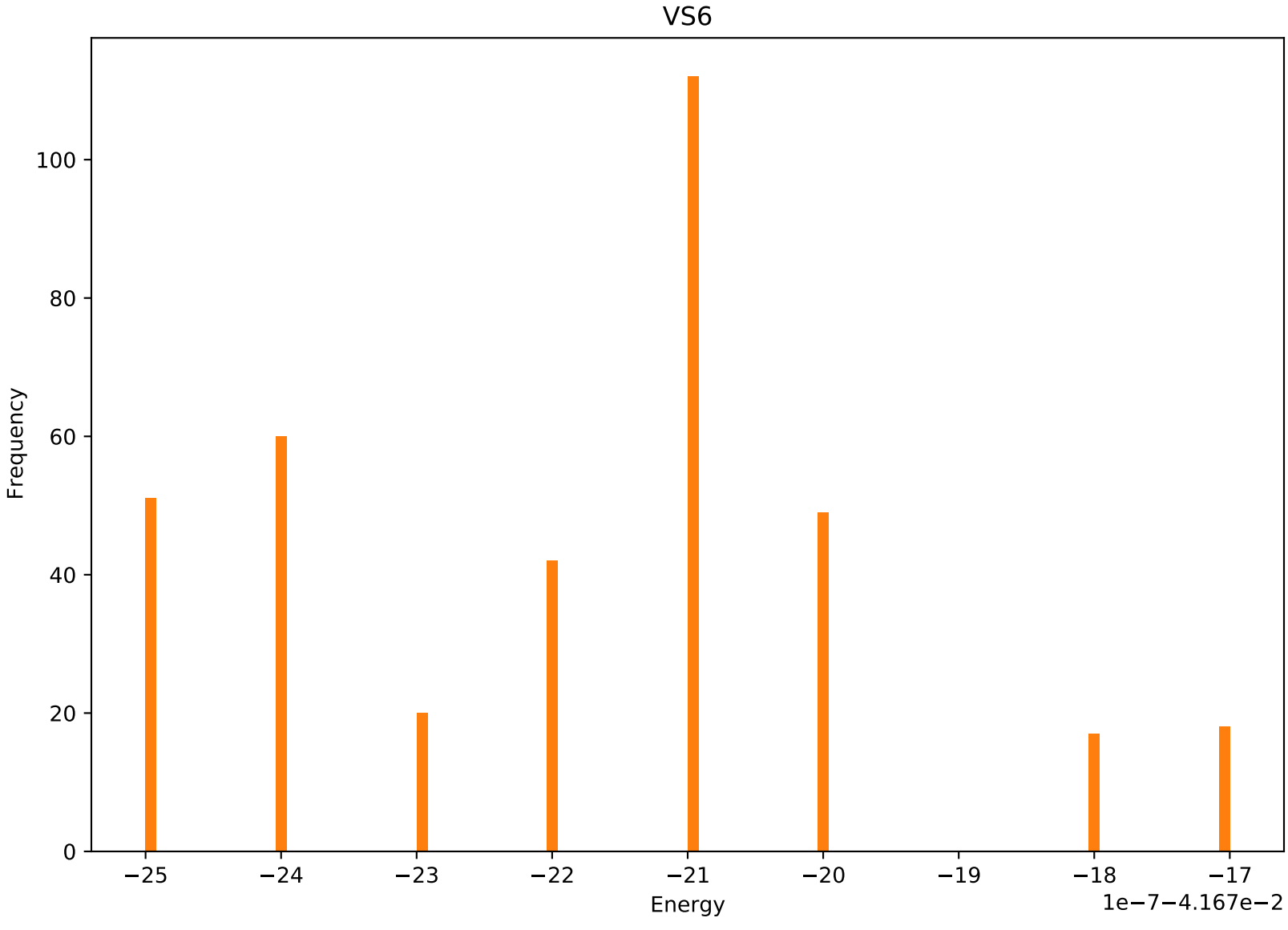

VS1
Frequency
0
10
20
30
40
50
60
0.0002
0.0003
0.0004
0.0005
0.0006
Energy
+1.863

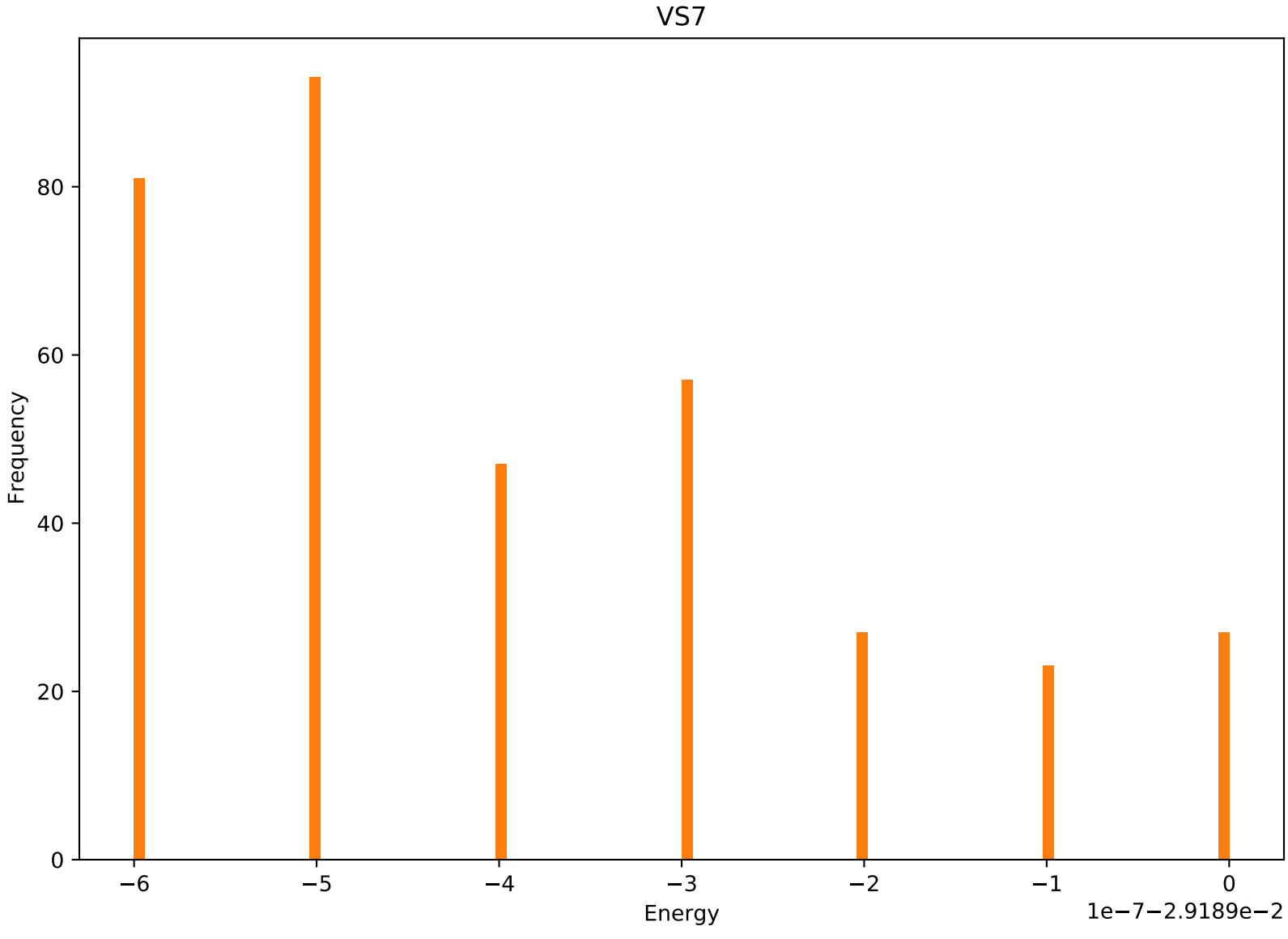

VS2
Frequency
0
5
10
15
20
25
30
35
−8
−7
−6
−5
−4
Energy
1e−5−8.969e−1

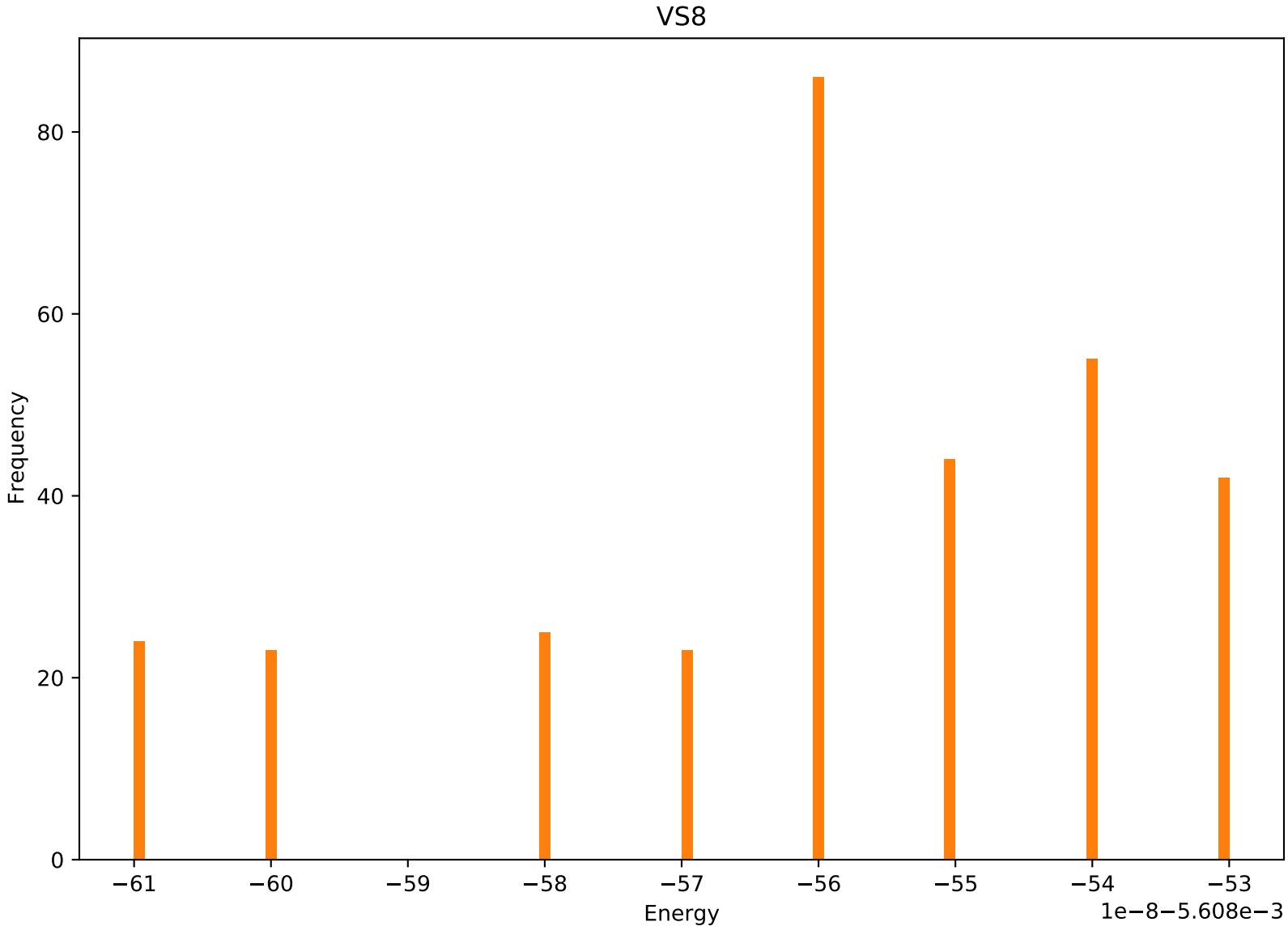

VS3
Frequency
0
10
20
30
40
50
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
Energy
−9.287

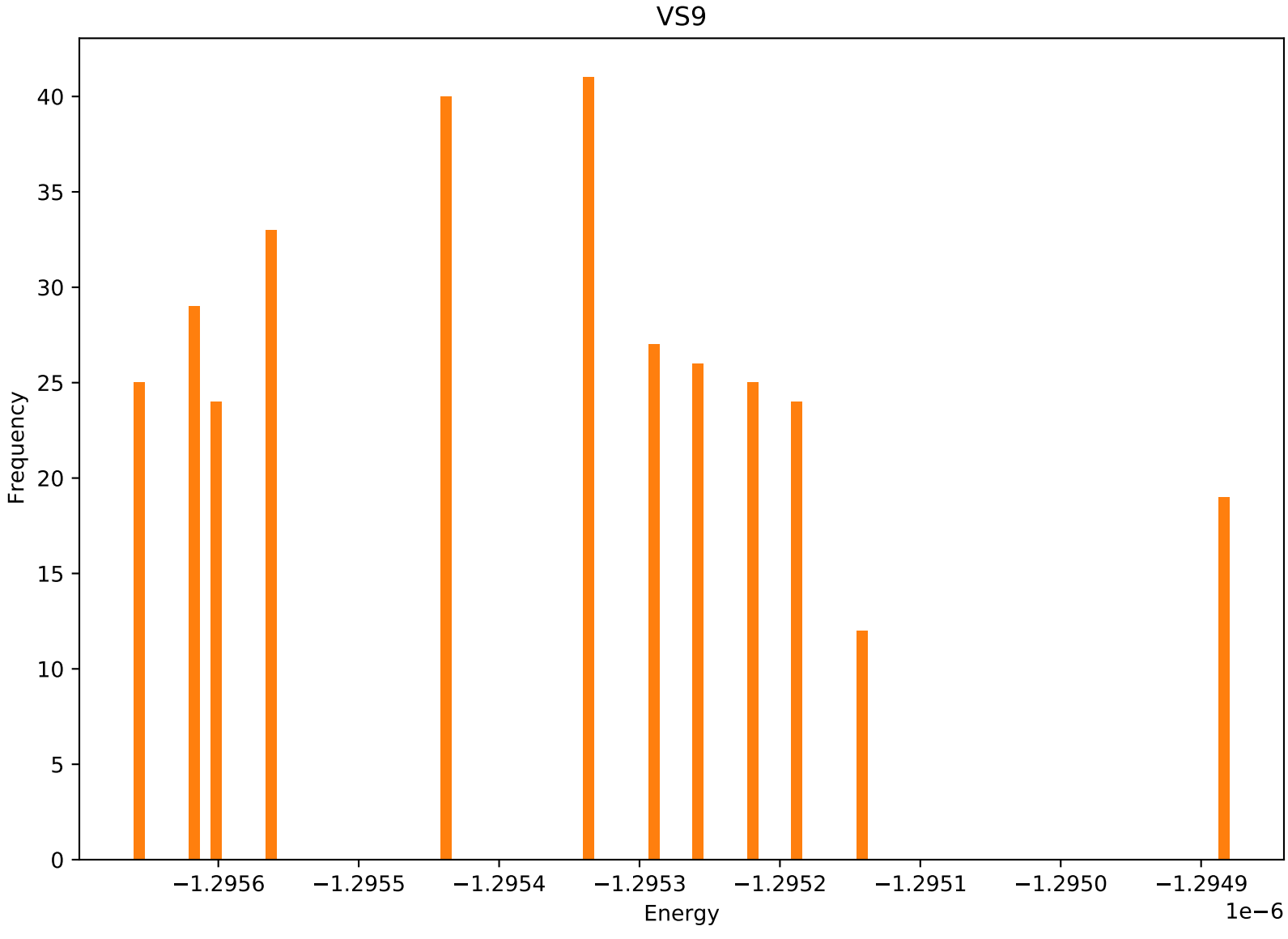

VS4
Frequency
Energy
0
10
20
30
40
50
60
70
−2.658050
−2.658025
−2.658000
−2.657975
−2.657950
−2.657925
−2.657900
−2.657875
−2.657850

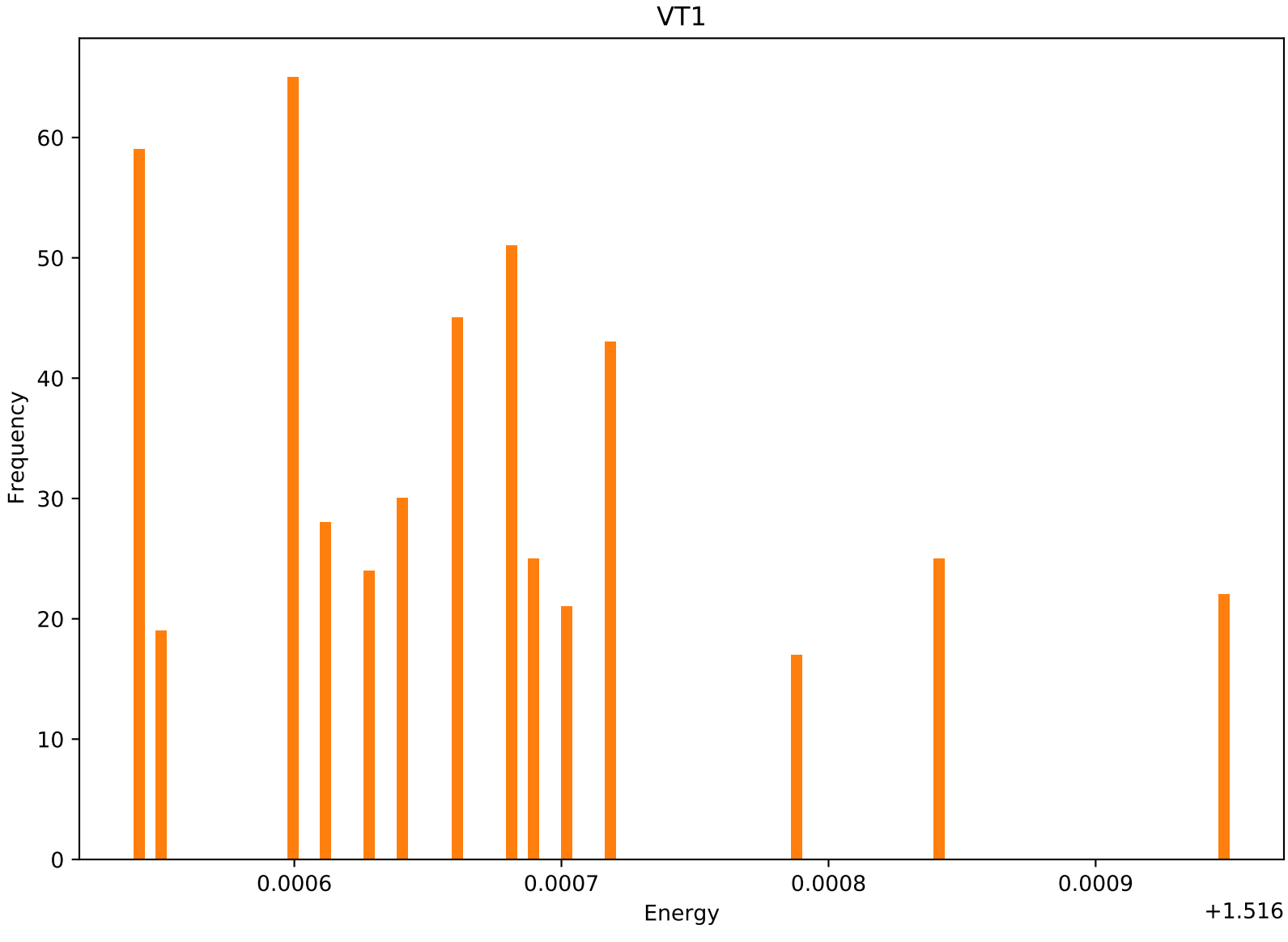

VS5
Frequency
250
200
150
100
50
0
−8.00
−7.75
−7.50
−7.25
−7.00
−6.75
−6.50
−6.25
−6.00
Energy
1e−6−1.3406e−1

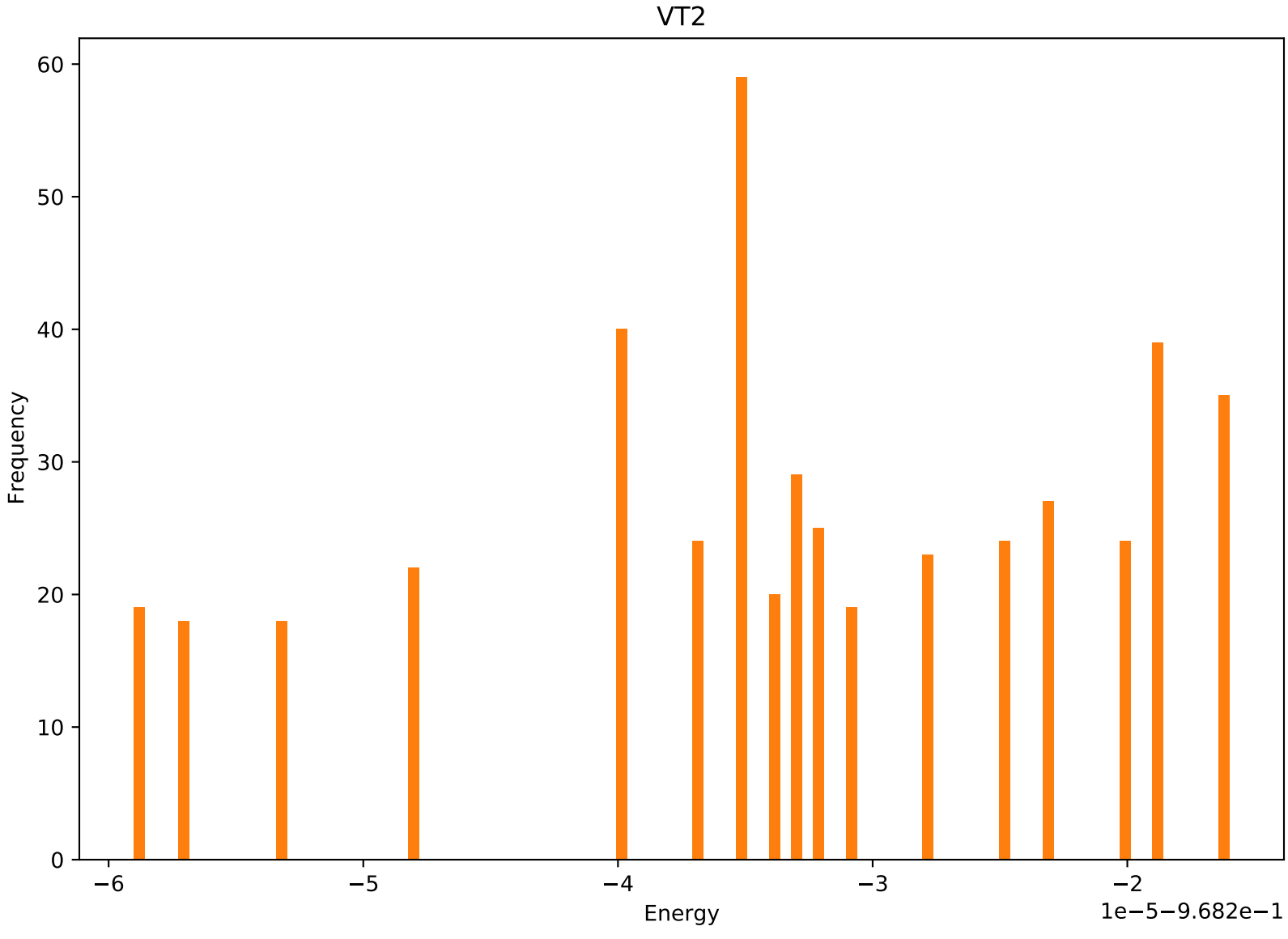

VS6
Frequency
0
20
40
60
80
100
−25
−24
−23
−22
−21
−20
−19
−18
−17
Energy
1e−7−4.167e−2

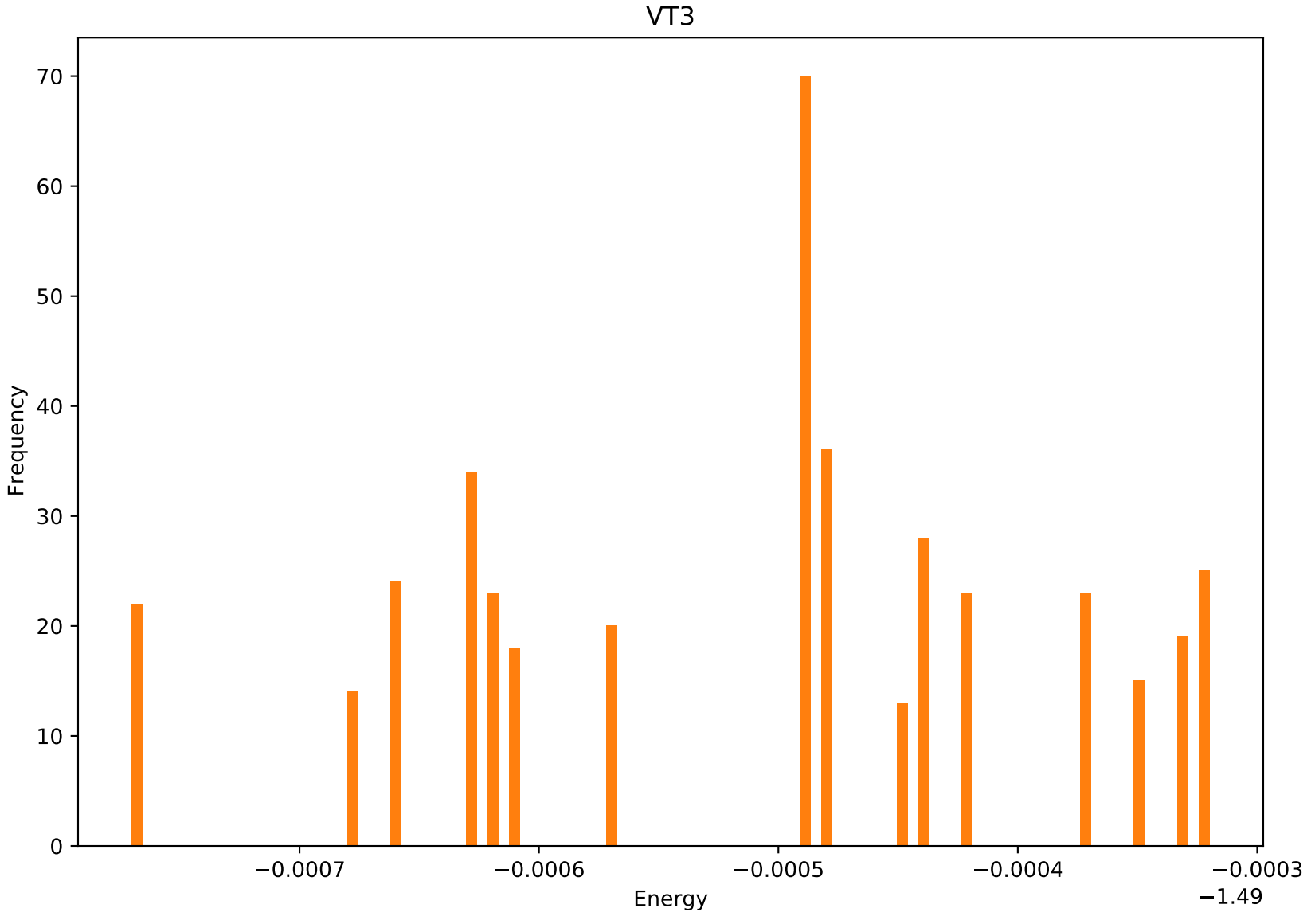

VS7
Frequency
0
20
40
60
80
−6
−5
−4
−3
−2
−1
0
Energy
1e−7−2.9189e−2

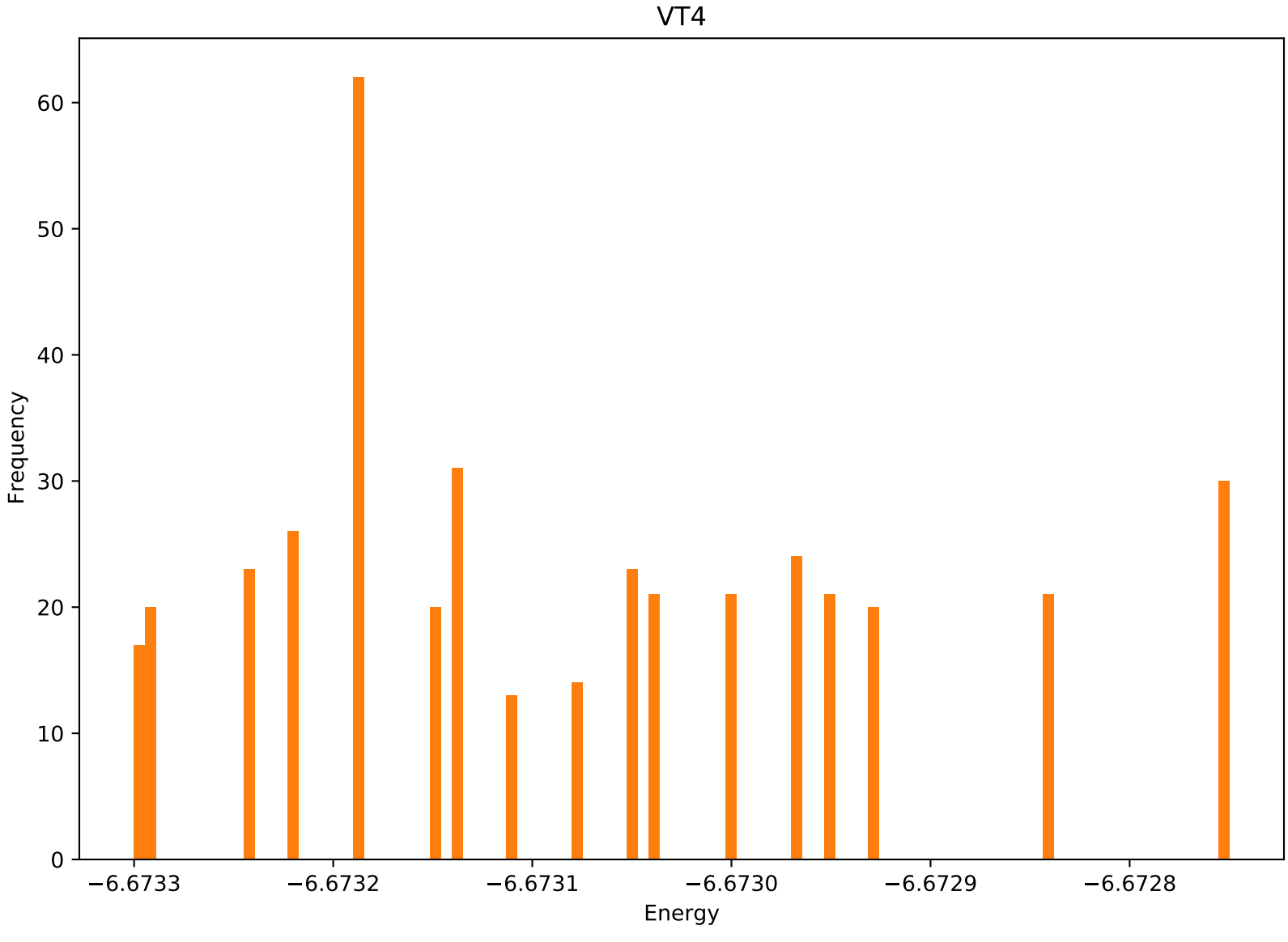

VS8
Frequency
0
20
40
60
80
−61
−60
−59
−58
−57
−56
−55
−54
−53
Energy
1e−8−5.608e−3

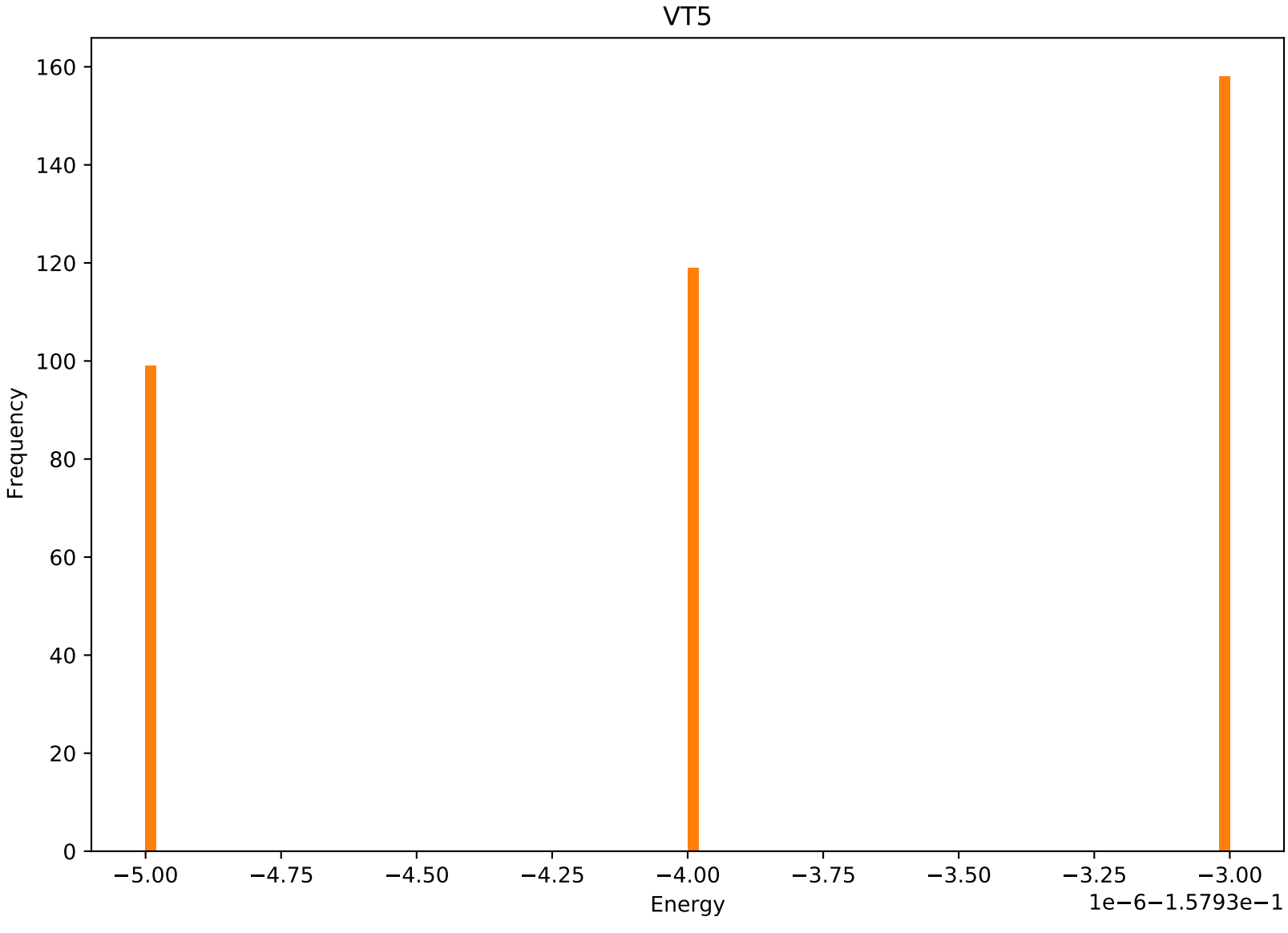

VS9
Frequency
0
5
10
15
20
25
30
35
40
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

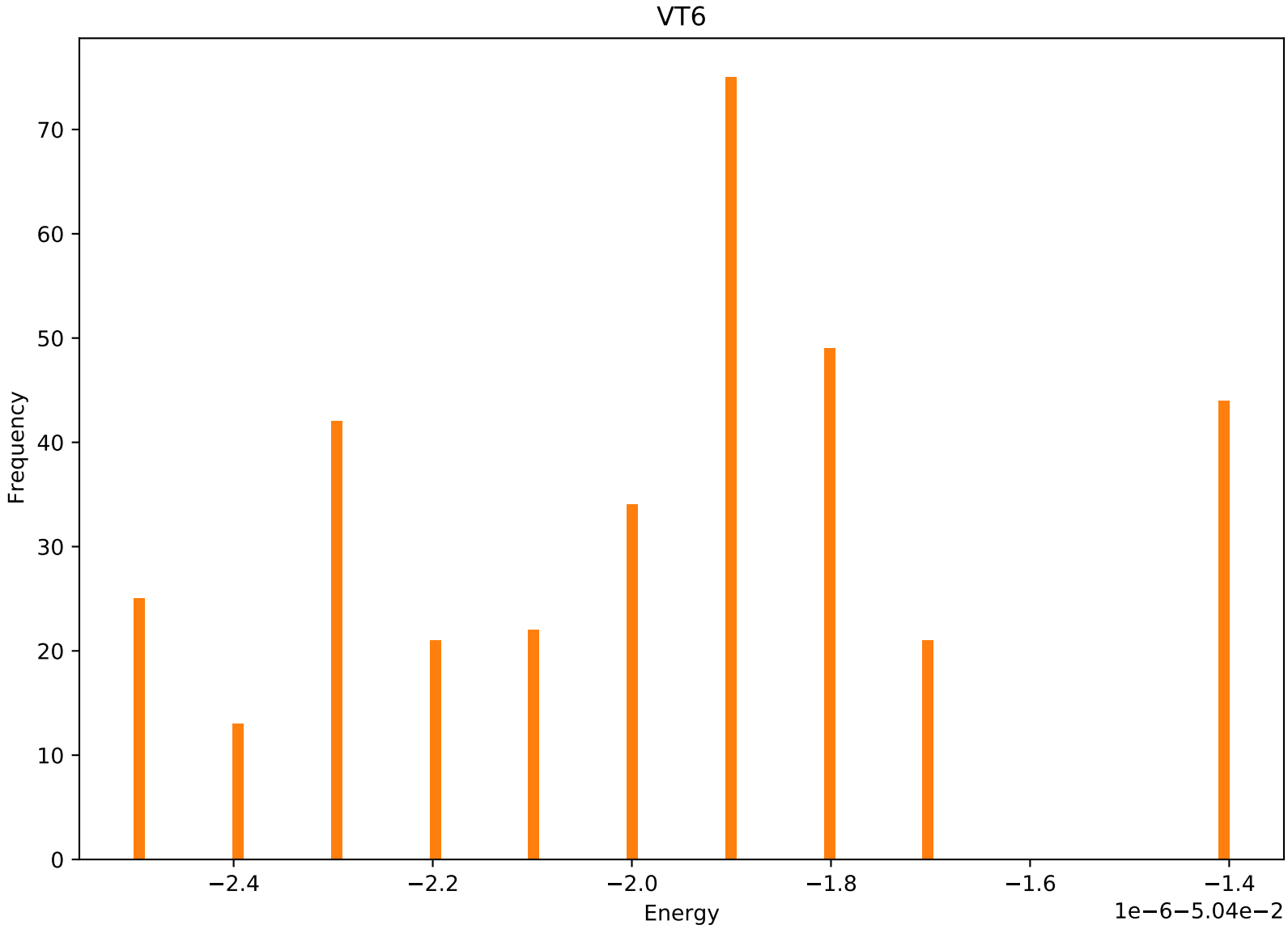

VT1
Frequency
0
10
20
30
40
50
60
0.0006
0.0007
0.0008
0.0009
Energy
+1.516

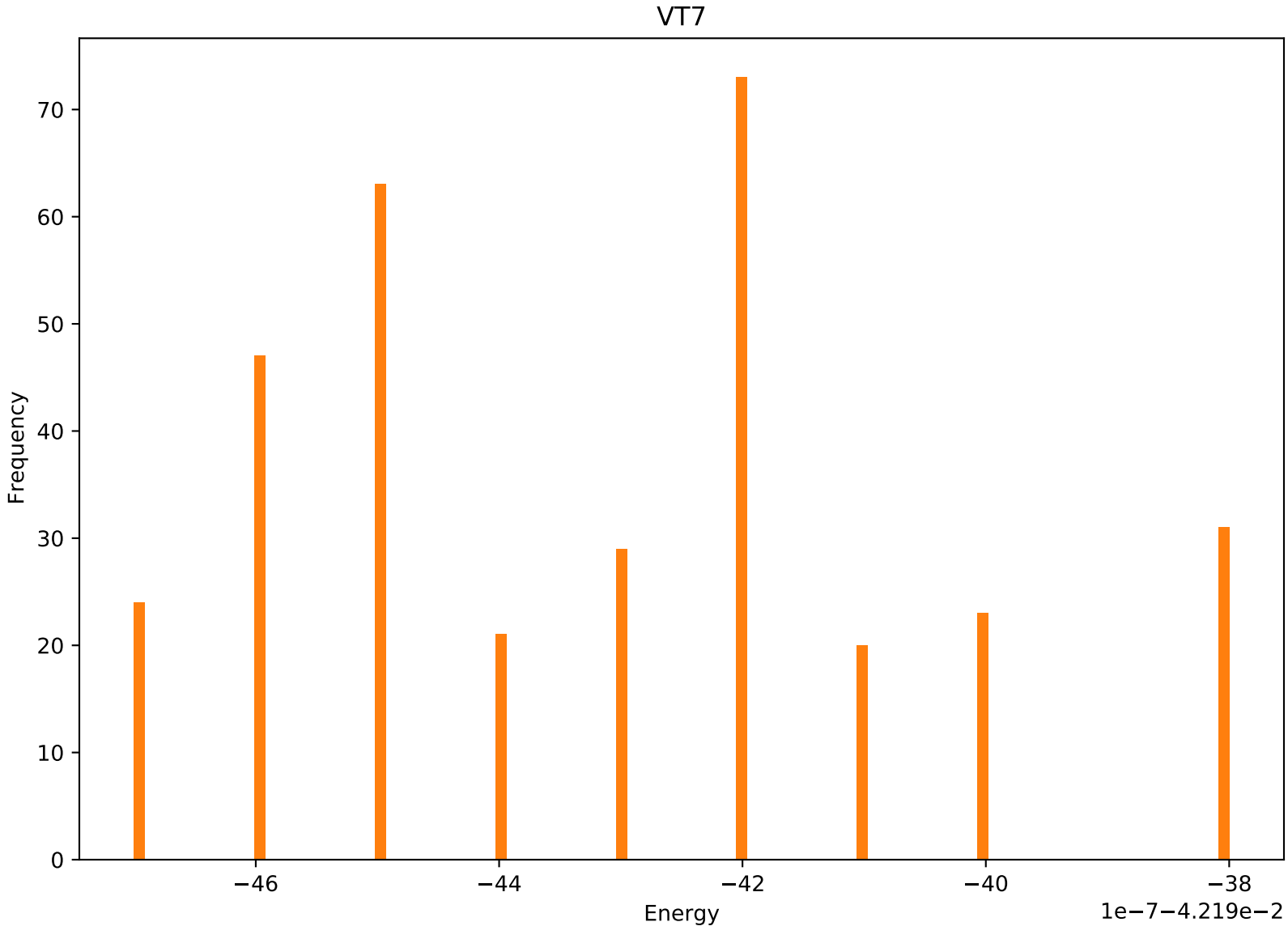

VT2
Frequency
0
10
20
30
40
50
60
−6
−5
−4
−3
−2
Energy
1e−5−9.682e−1

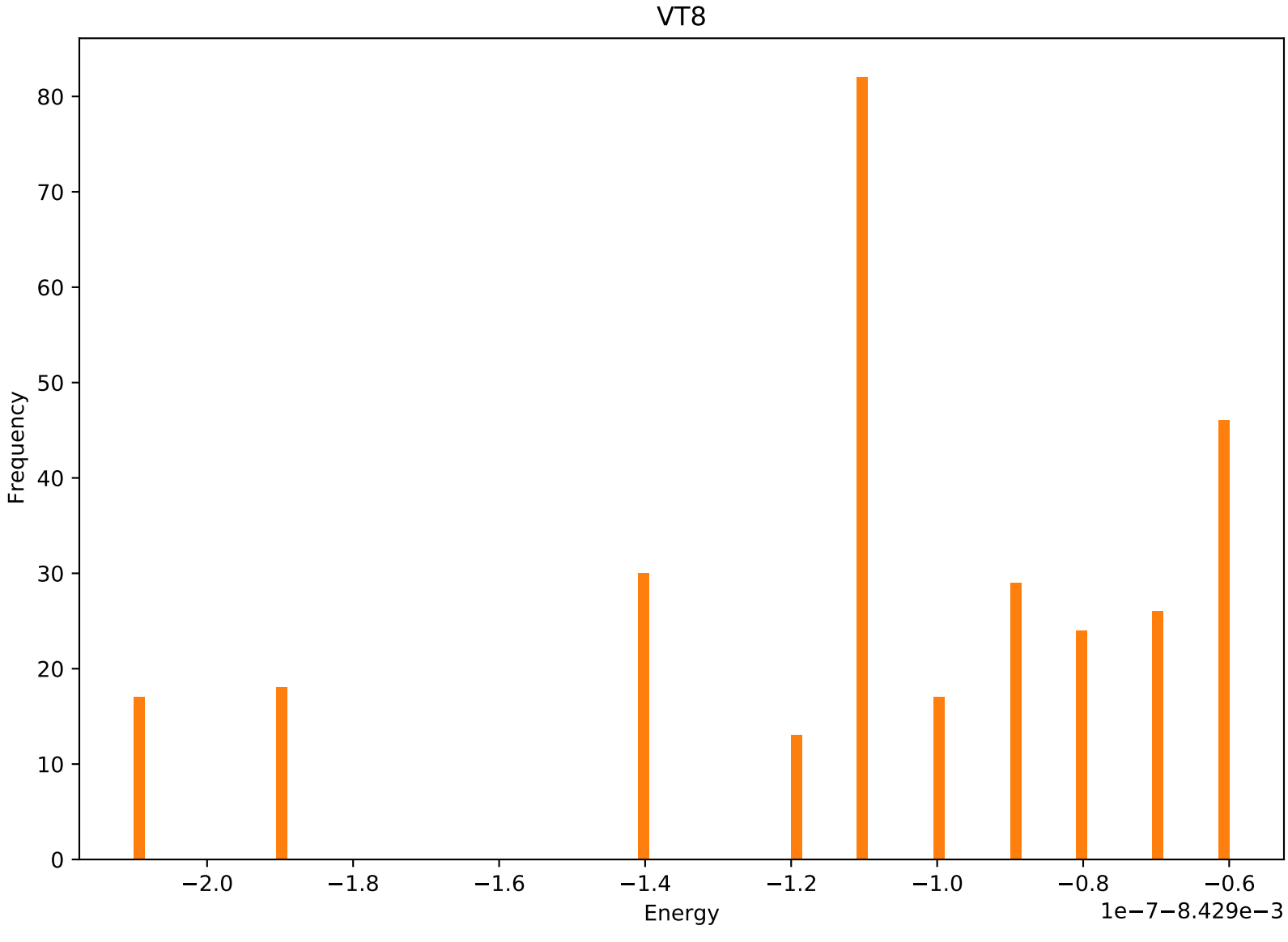

VT3
Frequency
70
60
50
40
30
20
10
0
−0.0007
−0.0006
−0.0005
−0.0004
−0.0003
Energy
−1.49

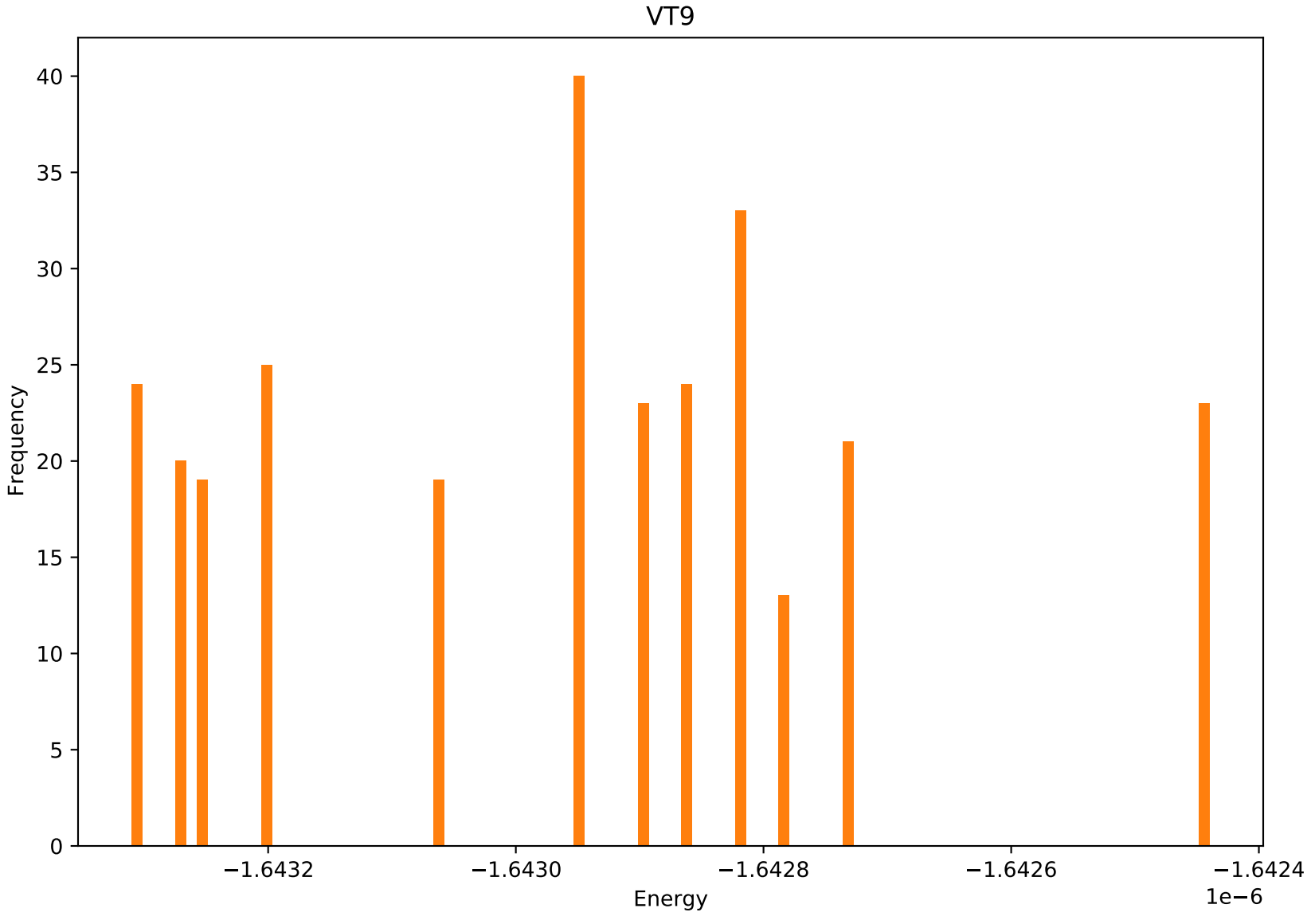

VT4
Frequency
Energy
0
10
20
30
40
50
60
−6.6733
−6.6732
−6.6731
−6.6730
−6.6729
−6.6728

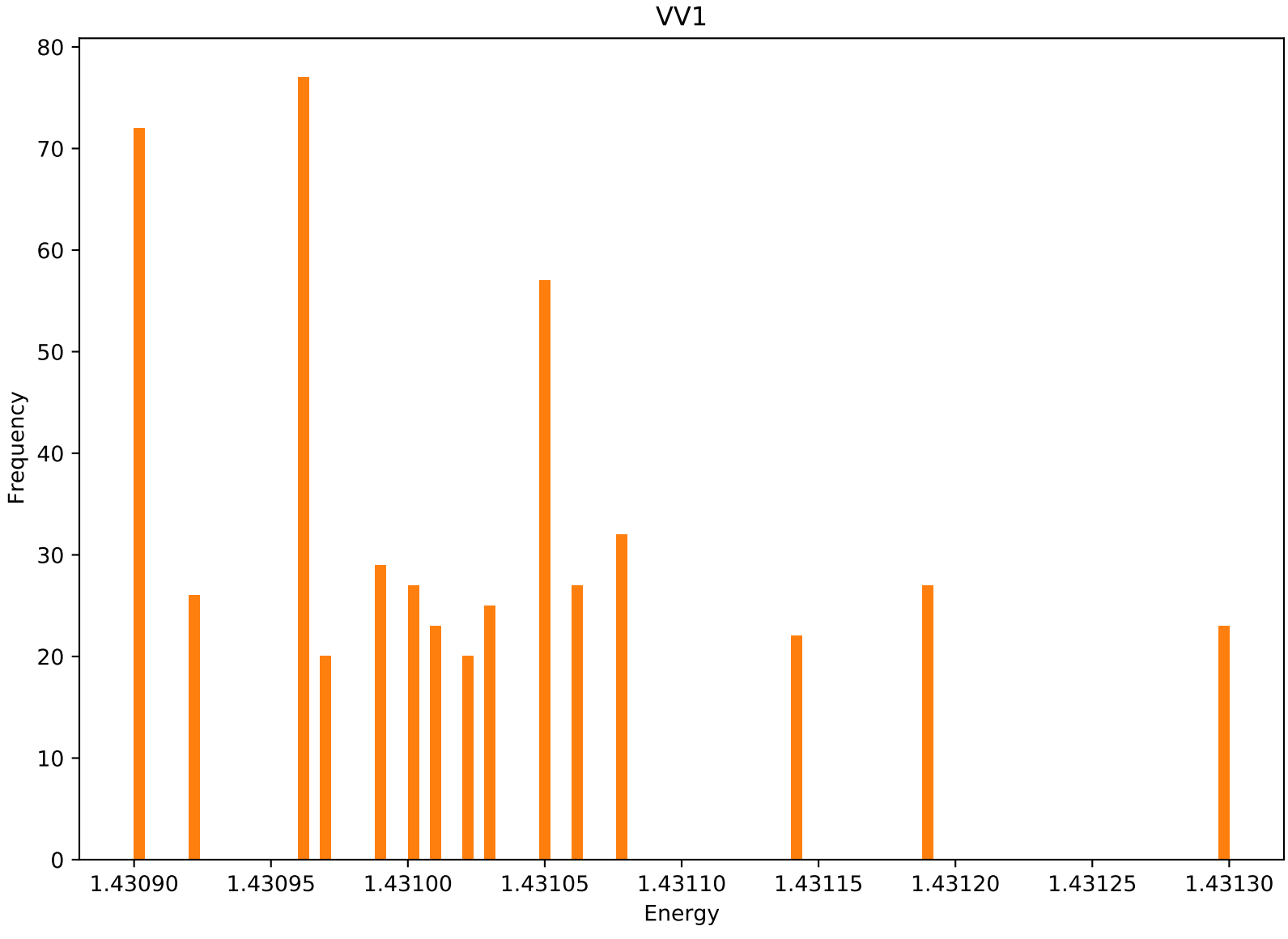

VT5
Frequency
0
20
40
60
80
100
120
140
160
−5.00
−4.75
−4.50
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
Energy
1e−6−1.5793e−1

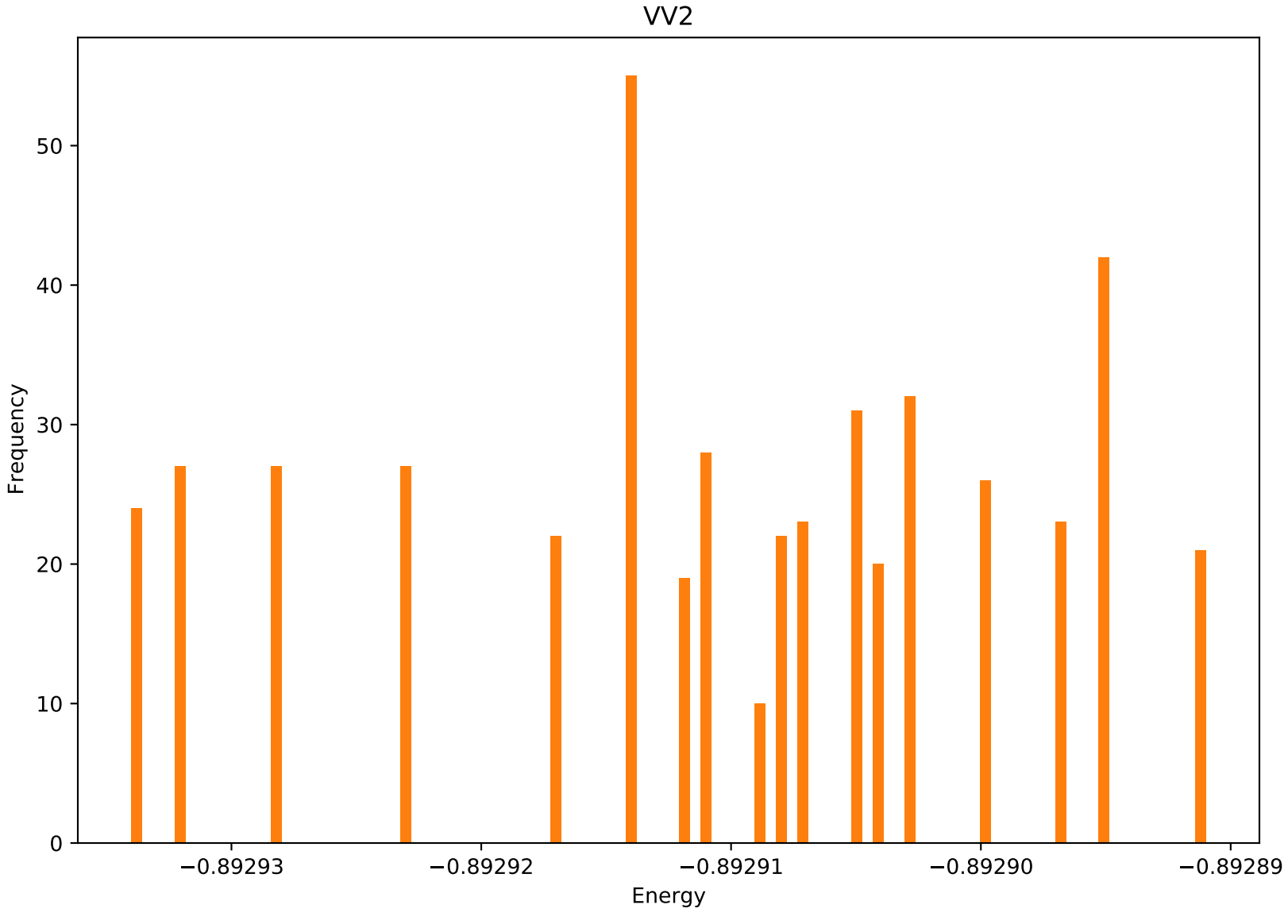

VT6
Frequency
0
10
20
30
40
50
60
70
−2.4
−2.2
−2.0
−1.8
−1.6
−1.4
Energy
1e−6−5.04e−2

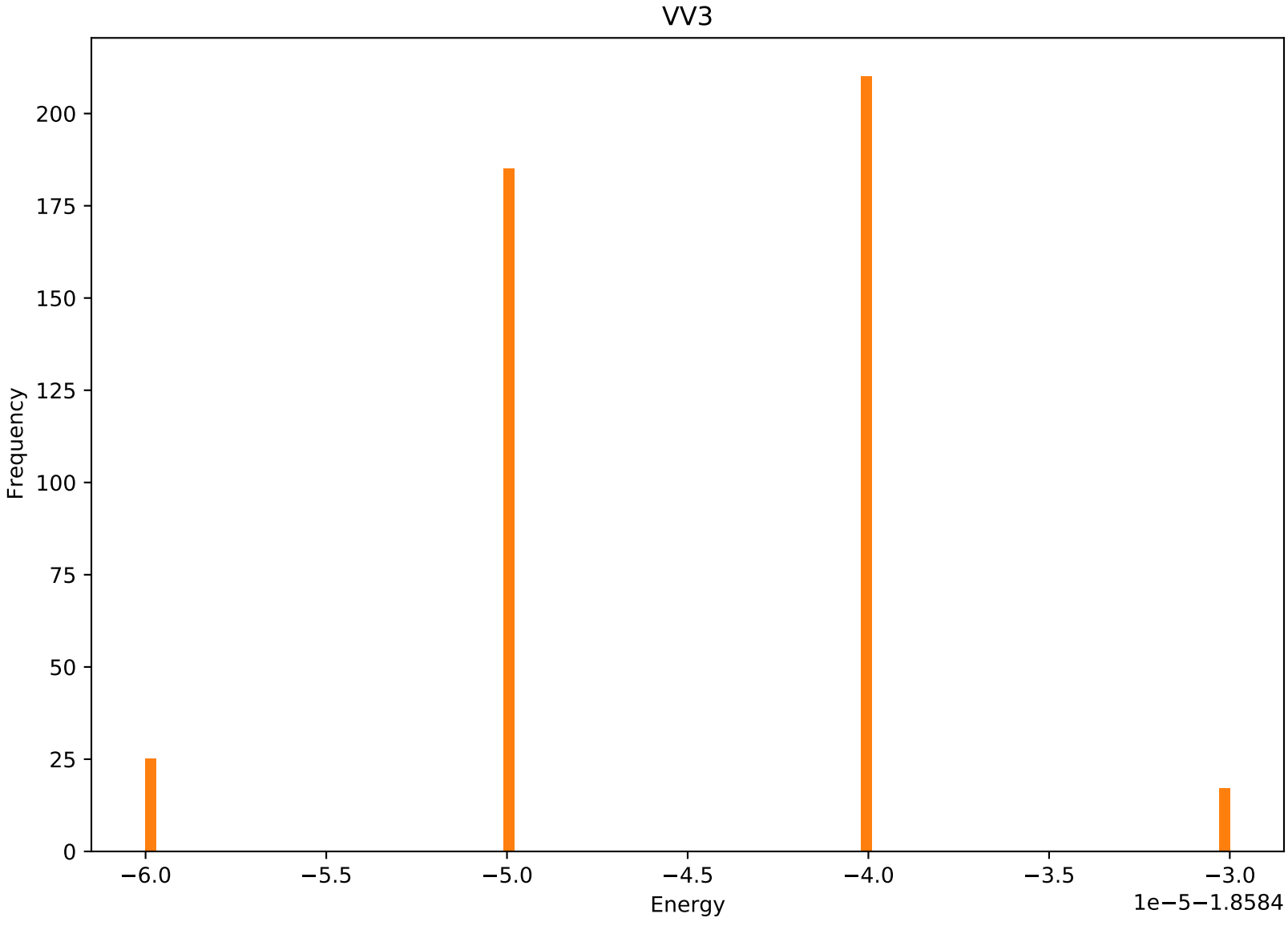

VT7
Frequency
0
10
20
30
40
50
60
70
−46
−44
−42
−40
−38
Energy
1e−7−4.219e−2

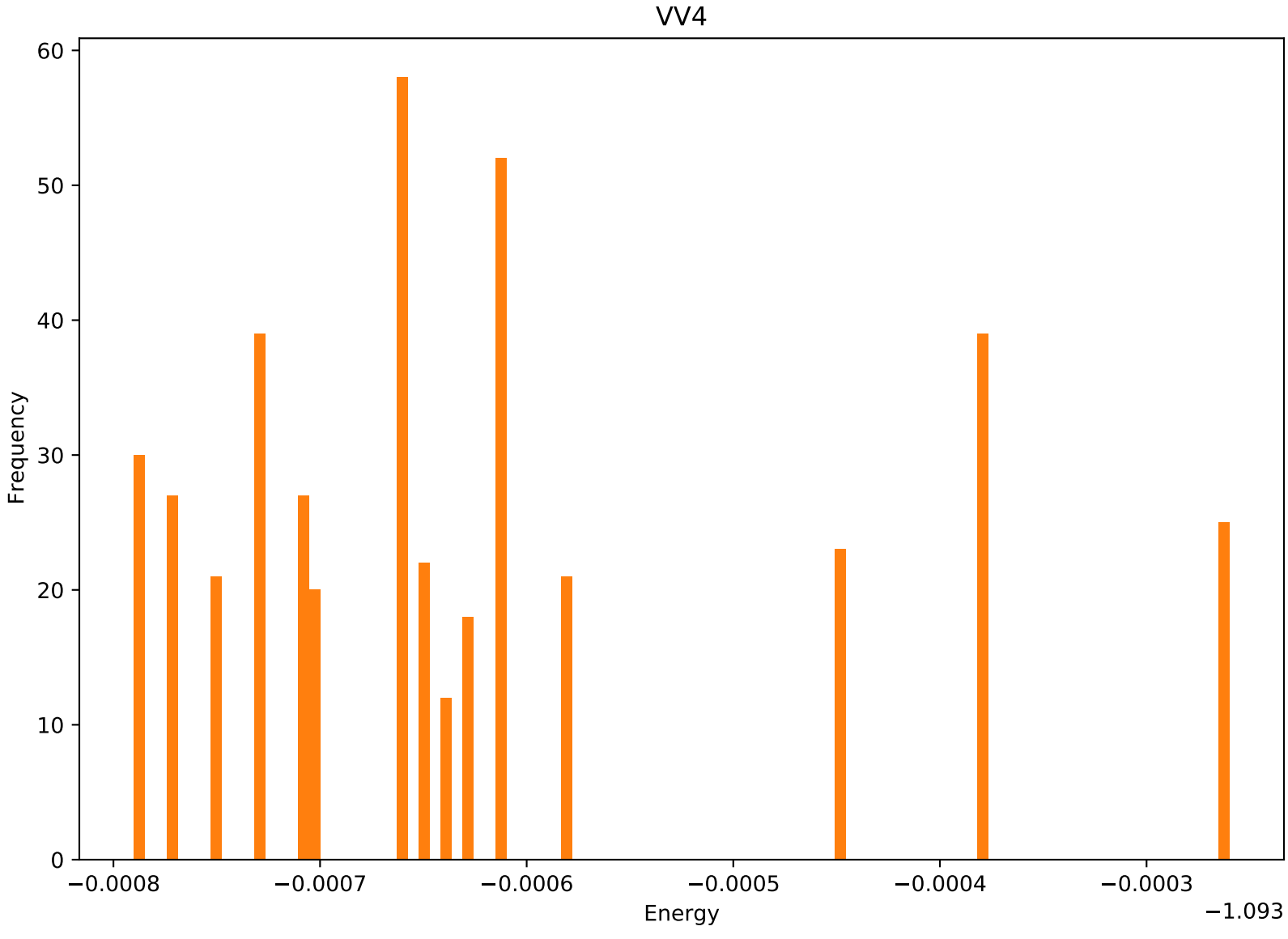

VT8
Frequency
0
10
20
30
40
50
60
70
80
−2.0
−1.8
−1.6
−1.4
−1.2
−1.0
−0.8
−0.6
Energy
1e−7−8.429e−3

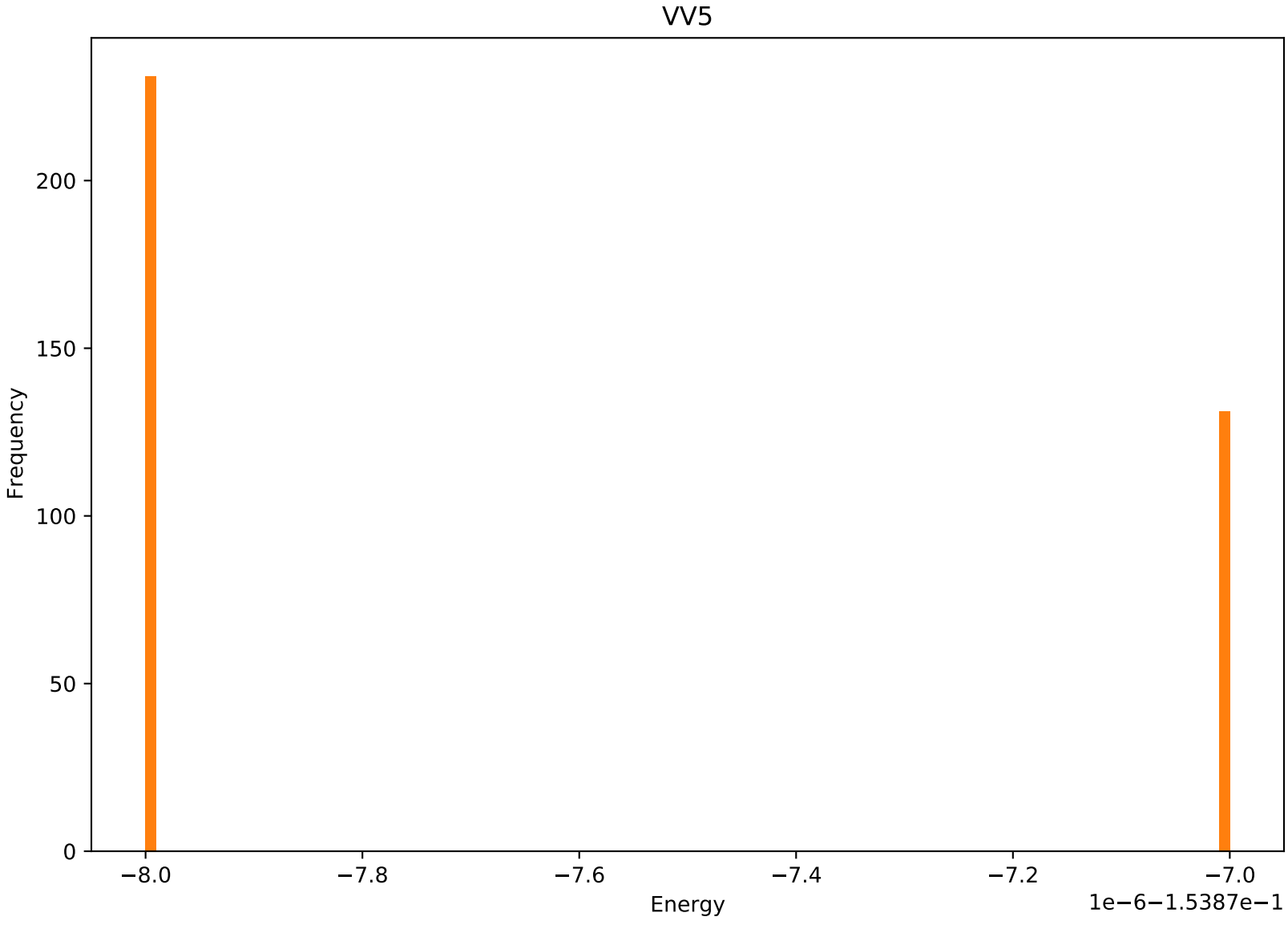

VT9
Frequency
0
5
10
15
20
25
30
35
40
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

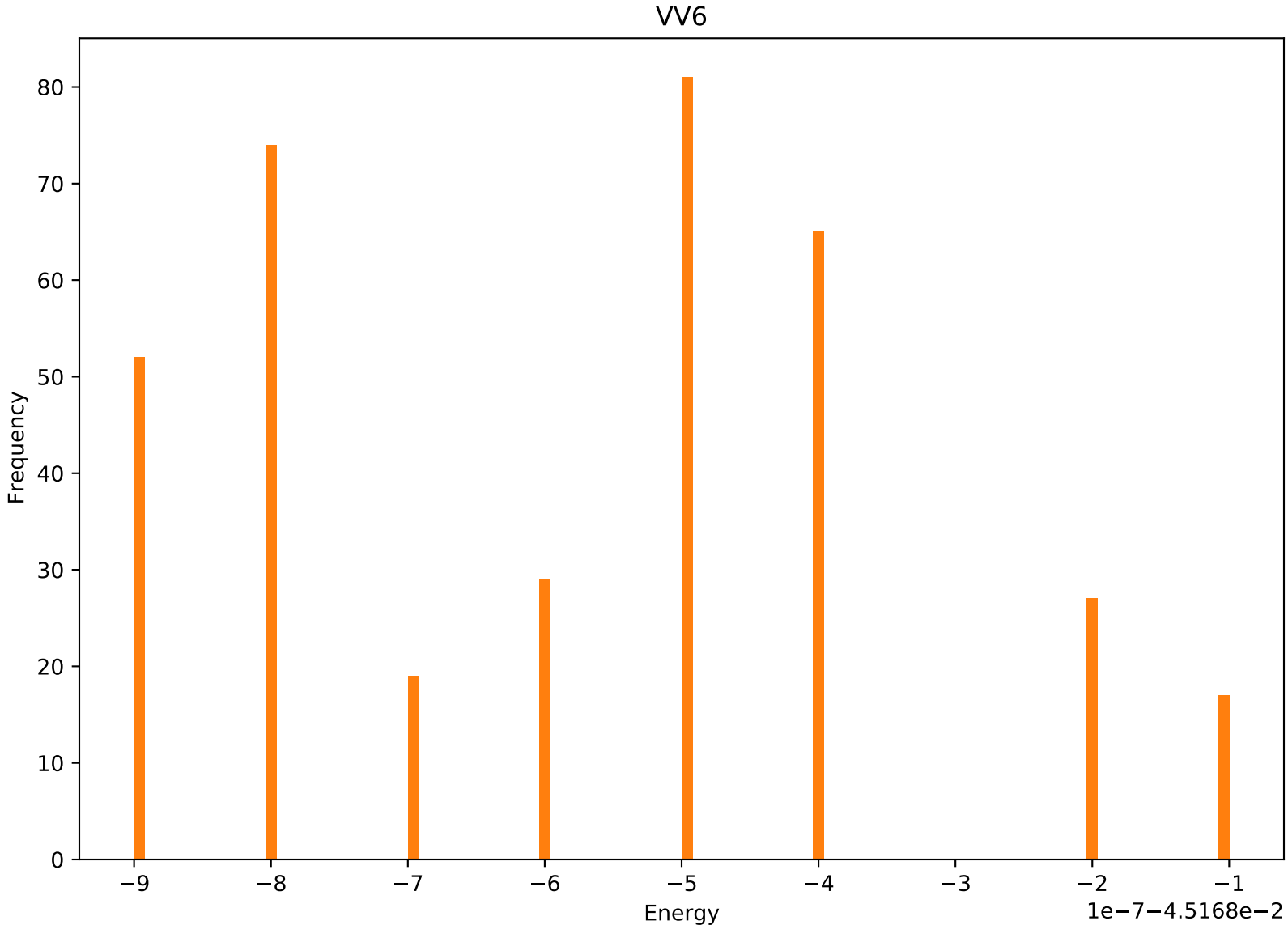

VV1
Frequency
Energy
0
10
20
30
40
50
60
70
80
1.43090
1.43095
1.43100
1.43105
1.43110
1.43115
1.43120
1.43125
1.43130

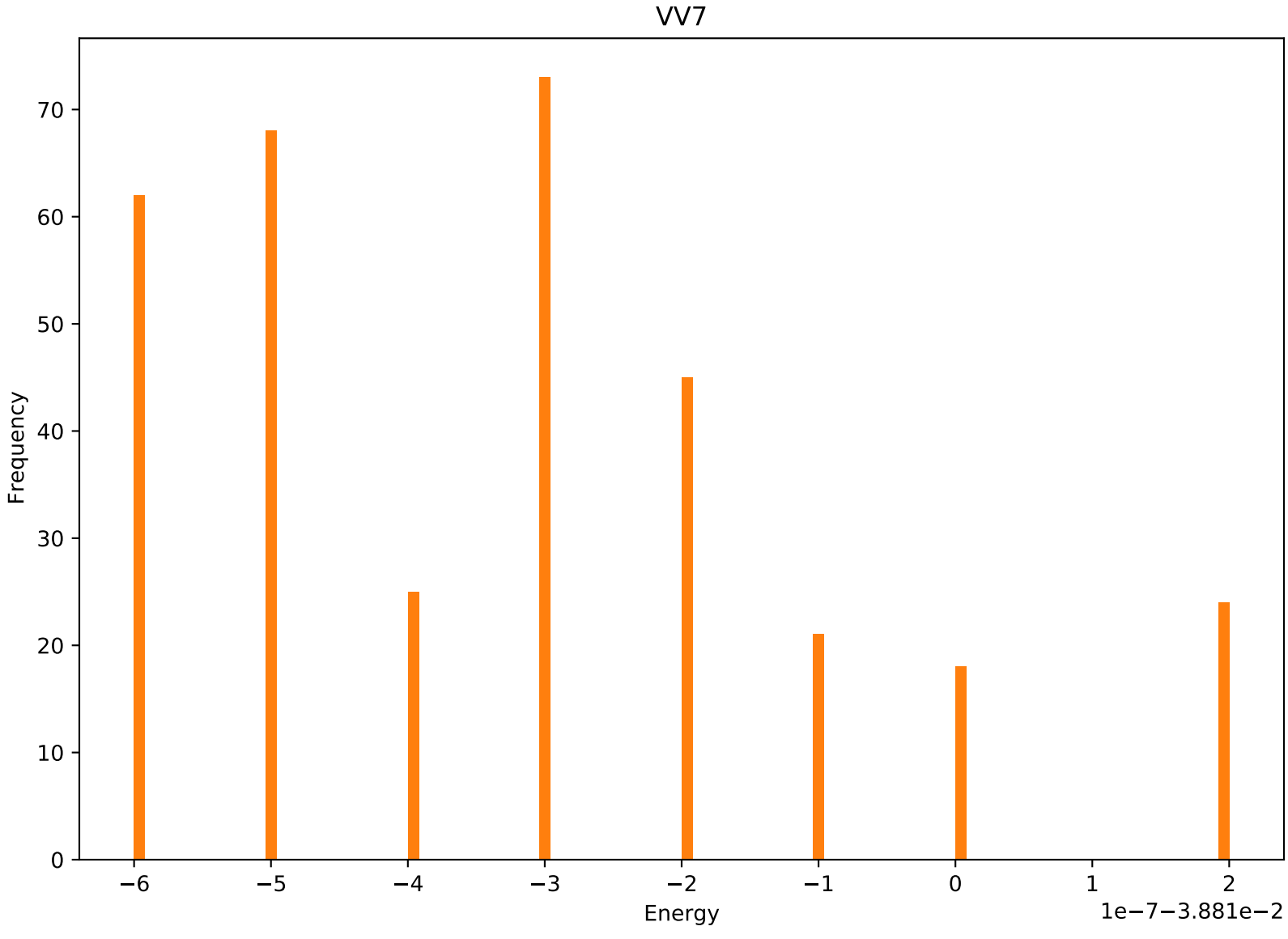

VV2
Frequency
0
10
20
30
40
50
−0.89293
−0.89292
−0.89291
−0.89290
−0.89289
Energy

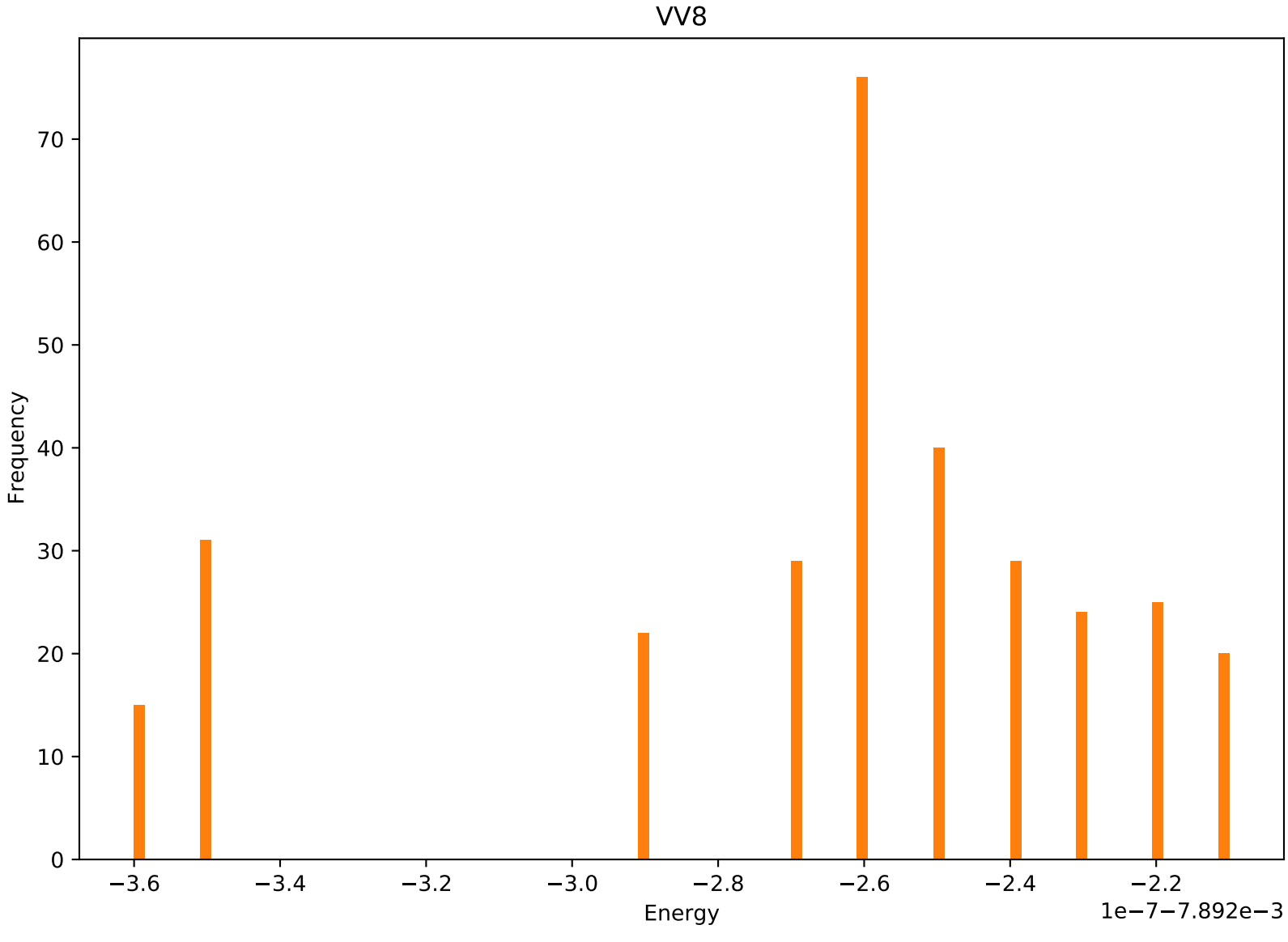

VV3
Frequency
200
175
150
125
100
75
50
25
0
−6.0
−5.5
−5.0
−4.5
−4.0
−3.5
−3.0
Energy
1e−5−1.8584

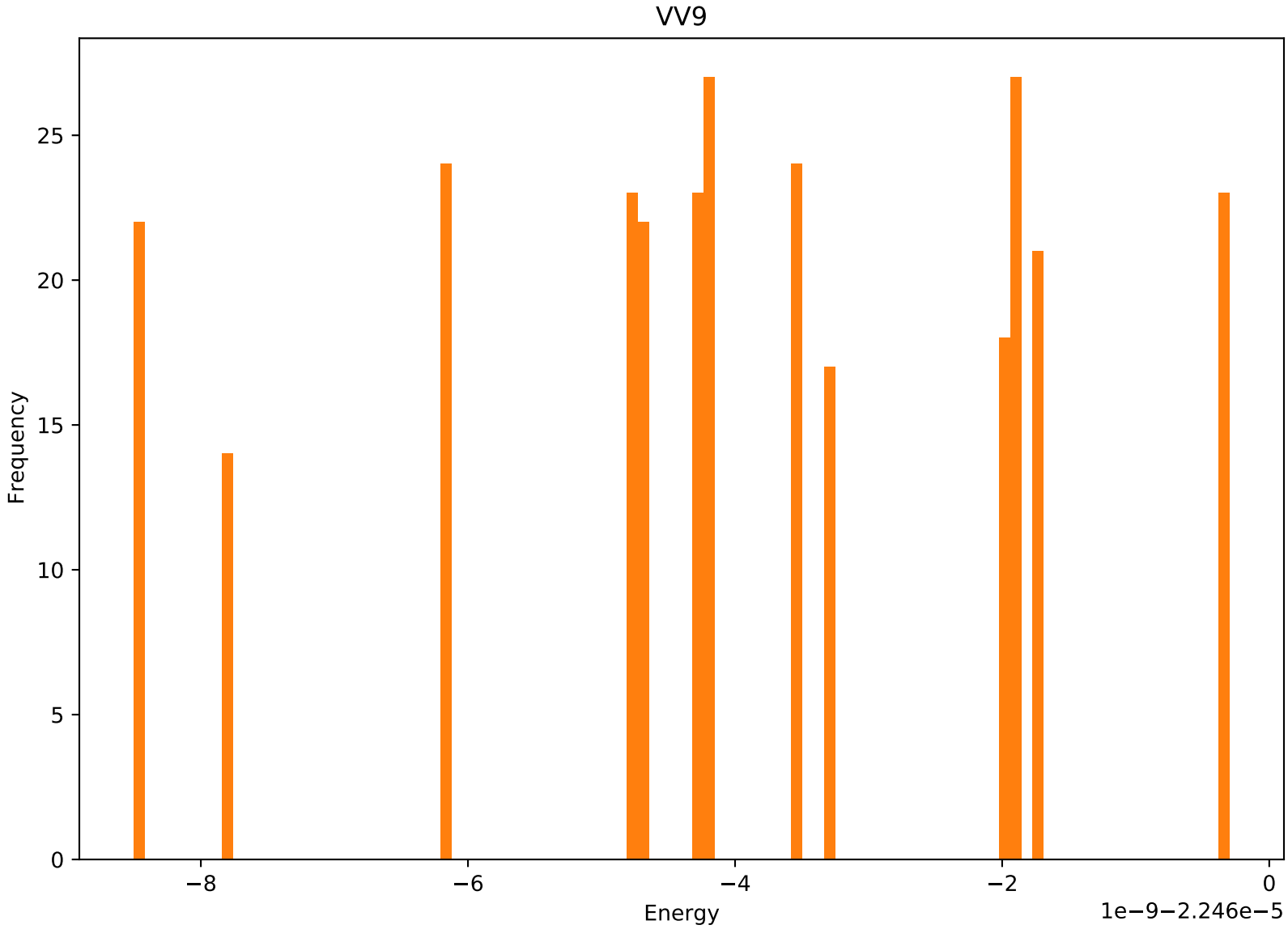

VV4
Frequency
Energy
0
10
20
30
40
50
60
−0.0008
−0.0007
−0.0006
−0.0005
−0.0004
−0.0003
−1.093

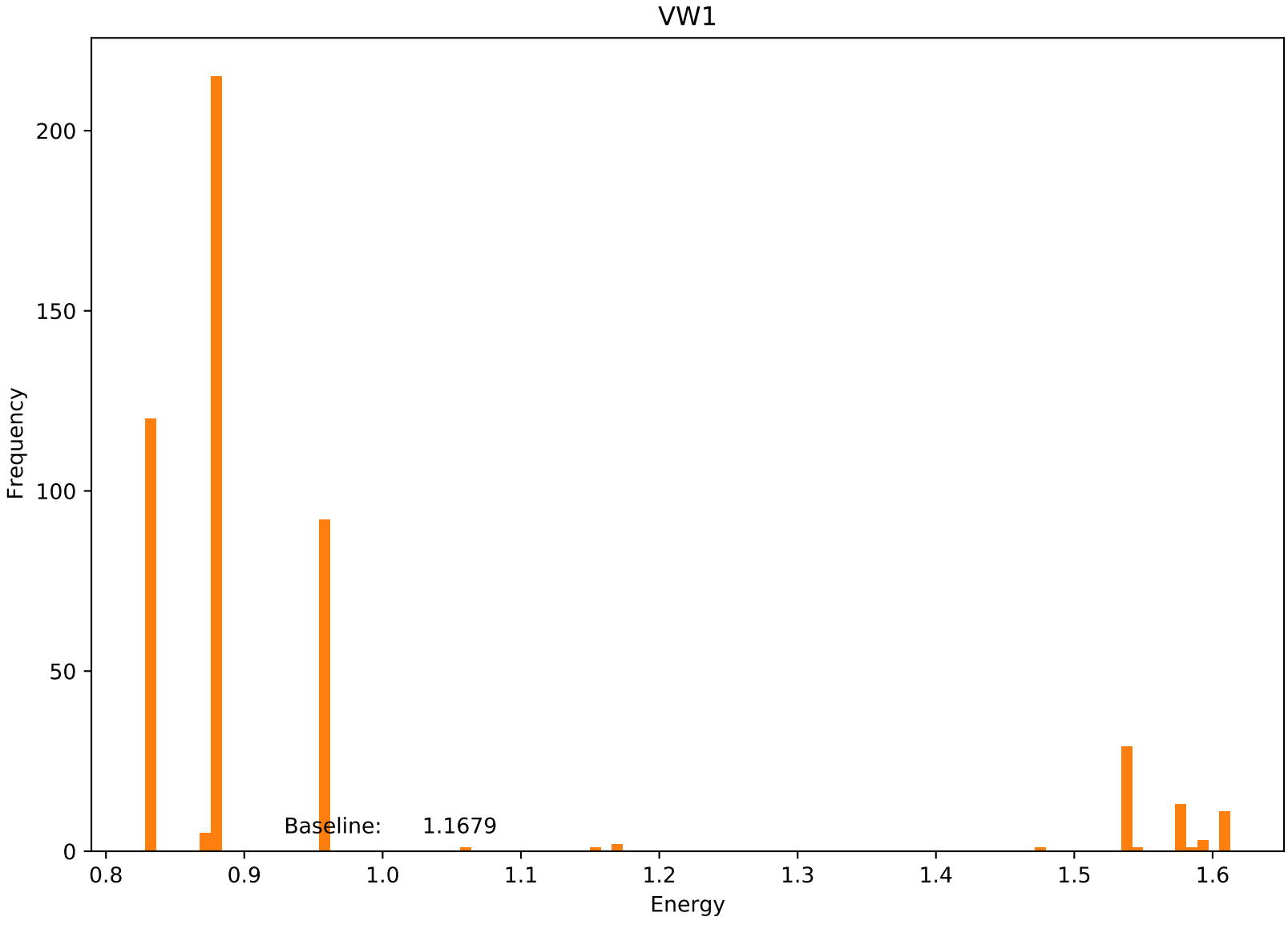

VV5
200
150
100
50
0
Frequency
−8.0
−7.8
−7.6
−7.4
−7.2
−7.0
Energy
1e−6−1.5387e−1

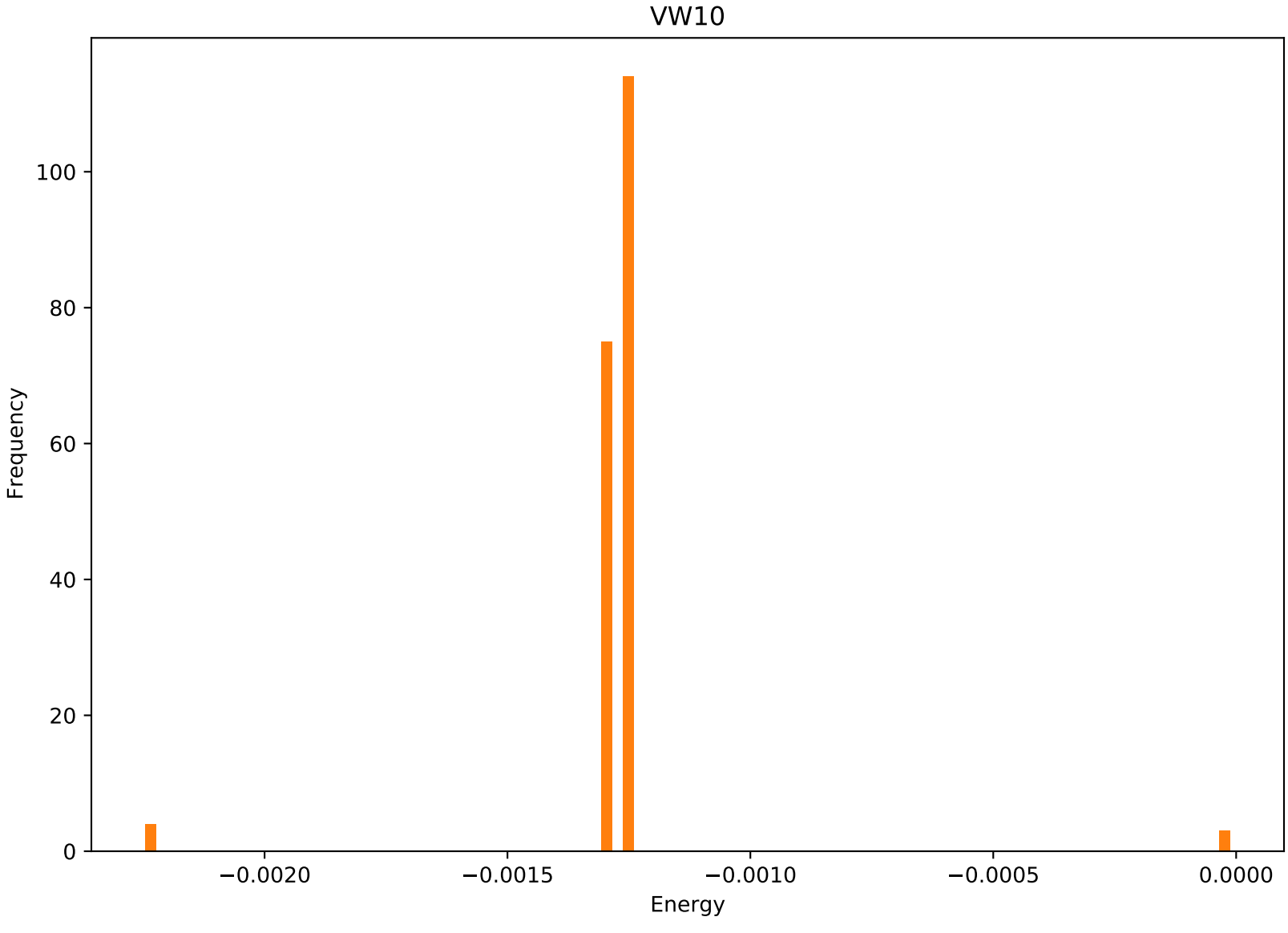

VV6
Frequency
0
10
20
30
40
50
60
70
80
−9
−8
−7
−6
−5
−4
−3
−2
−1
Energy
1e−7−4.5168e−2

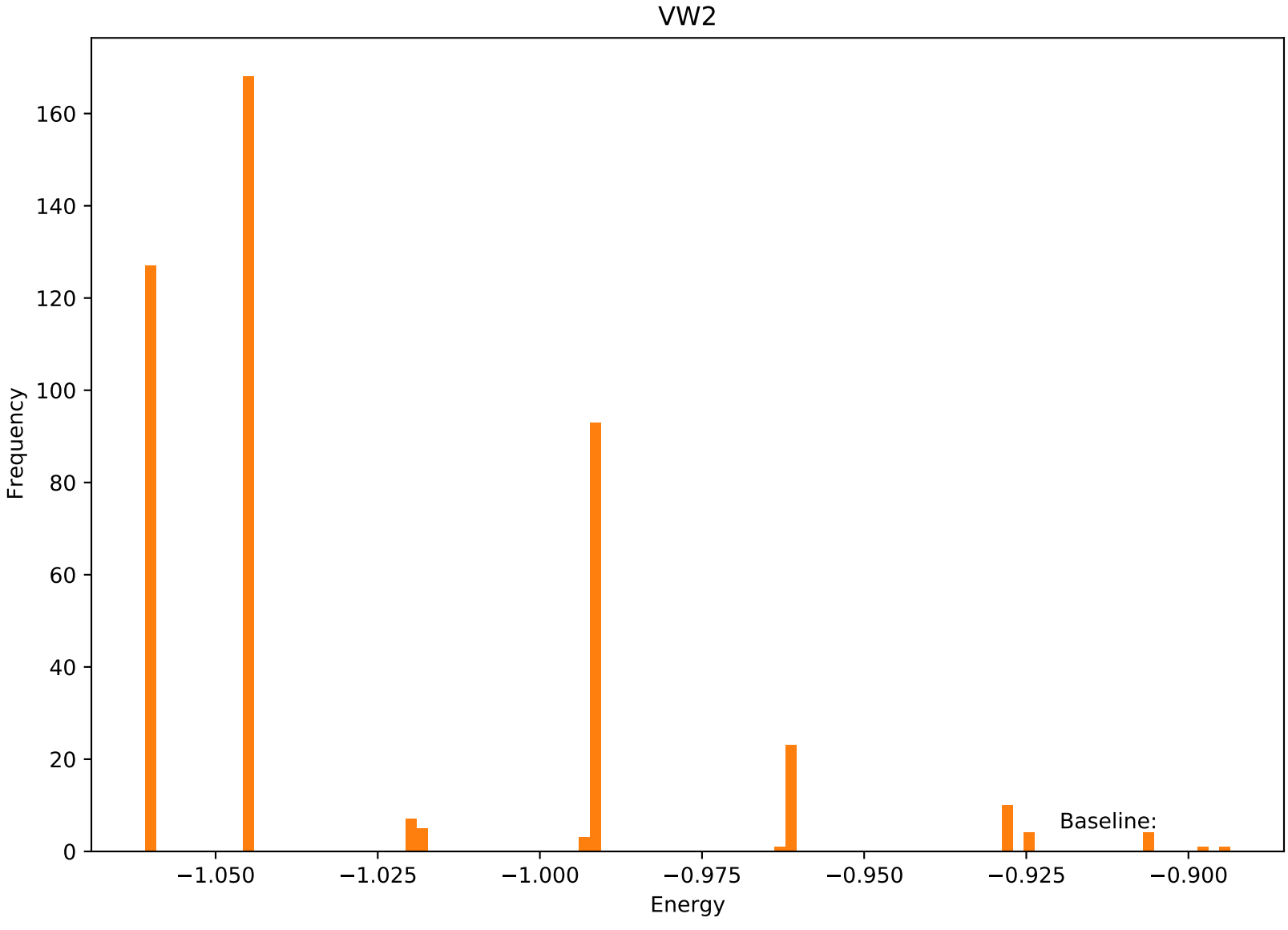

VV7
Frequency
70
60
50
40
30
20
10
0
−6
−5
−4
−3
−2
−1
0
1
2
Energy
1e−7−3.881e−2

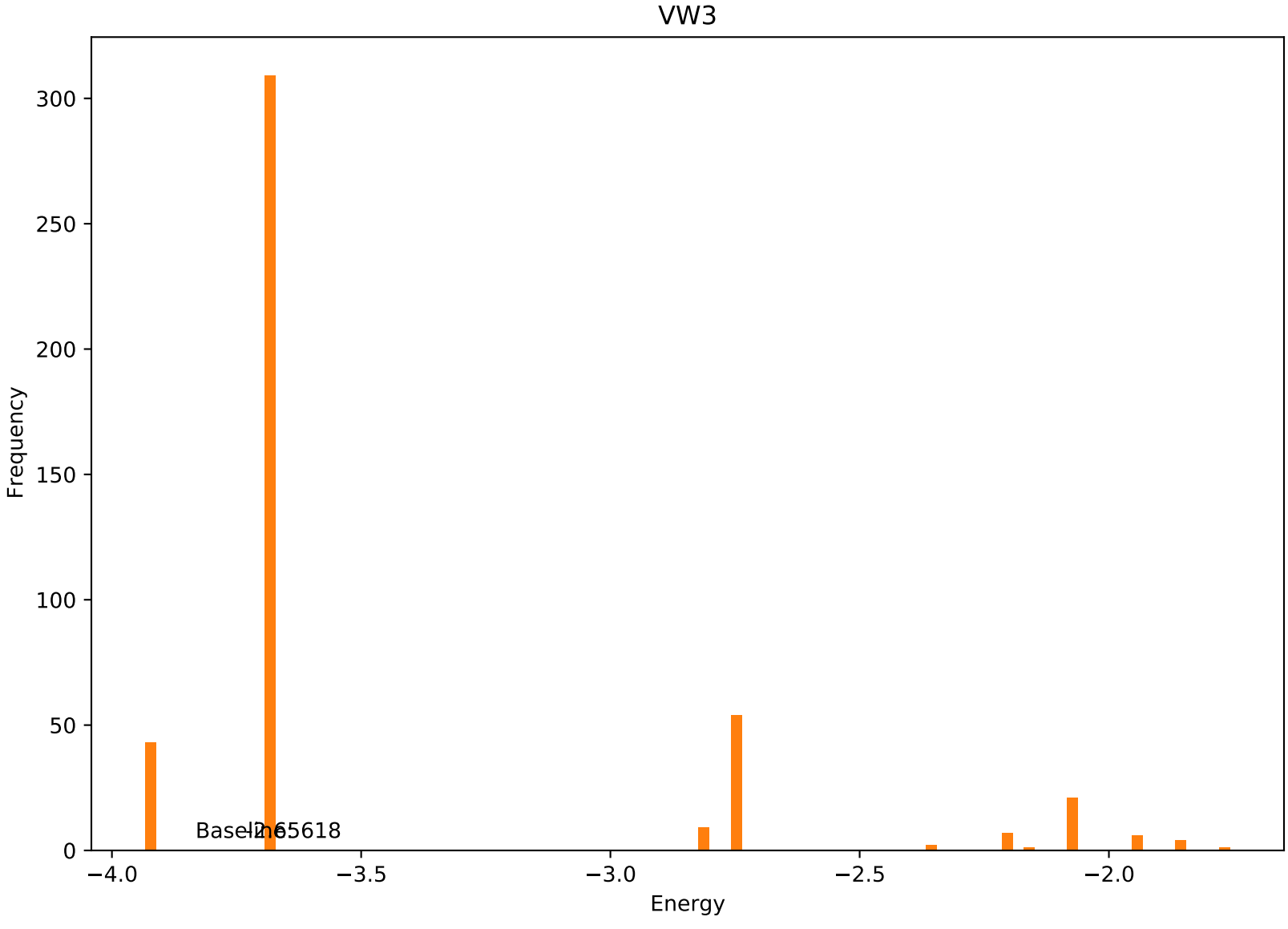

VV8
Frequency
0
10
20
30
40
50
60
70
−3.6
−3.4
−3.2
−3.0
−2.8
−2.6
−2.4
−2.2
Energy
1e−7−7.892e−3

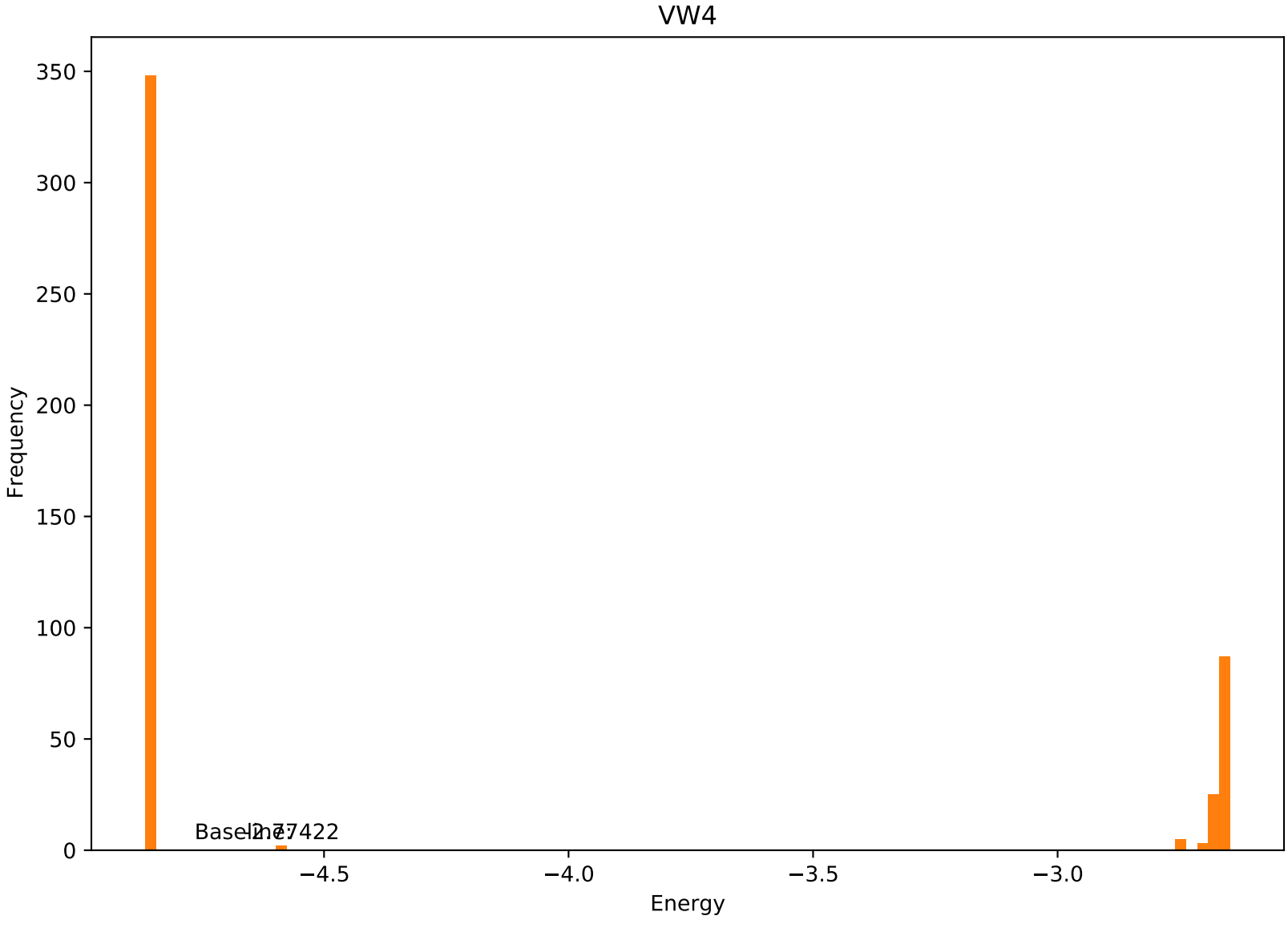

VV9
Frequency
25
20
15
10
5
0
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

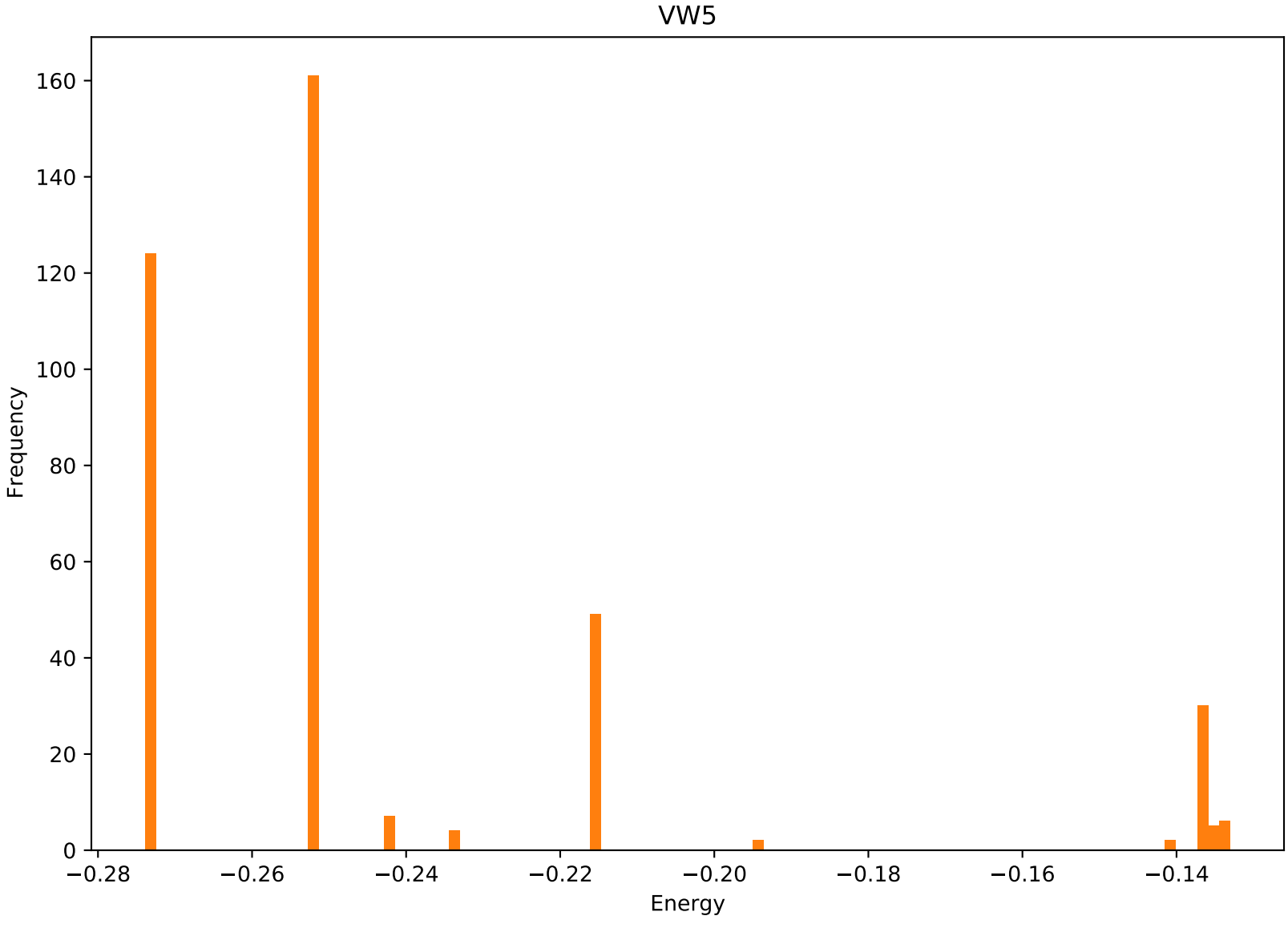

VW1
Frequency
Energy
Baseline: 1.1679
0
50
100
150
200
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6

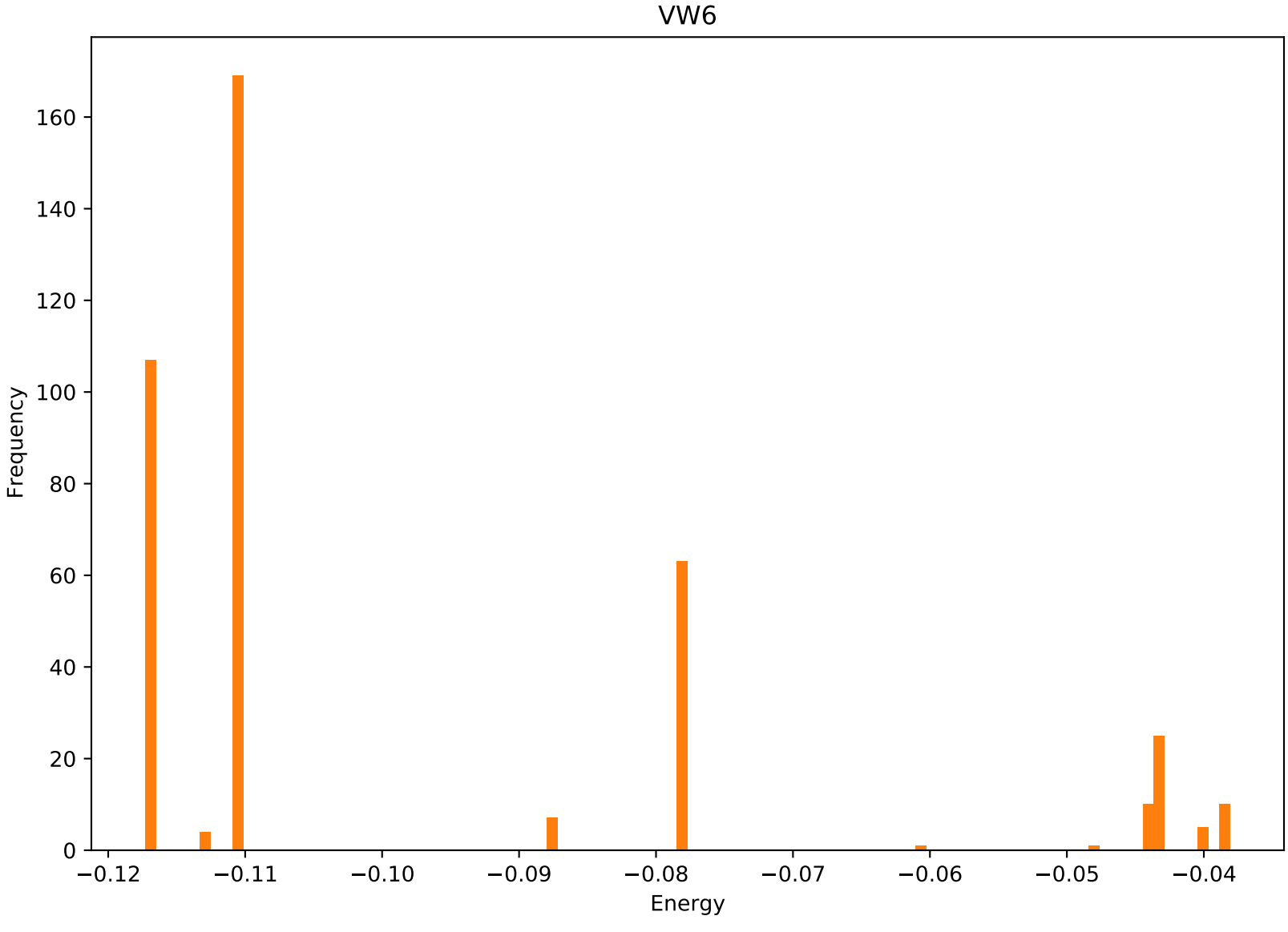

VW10
Frequency
Energy
0
20
40
60
80
100
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

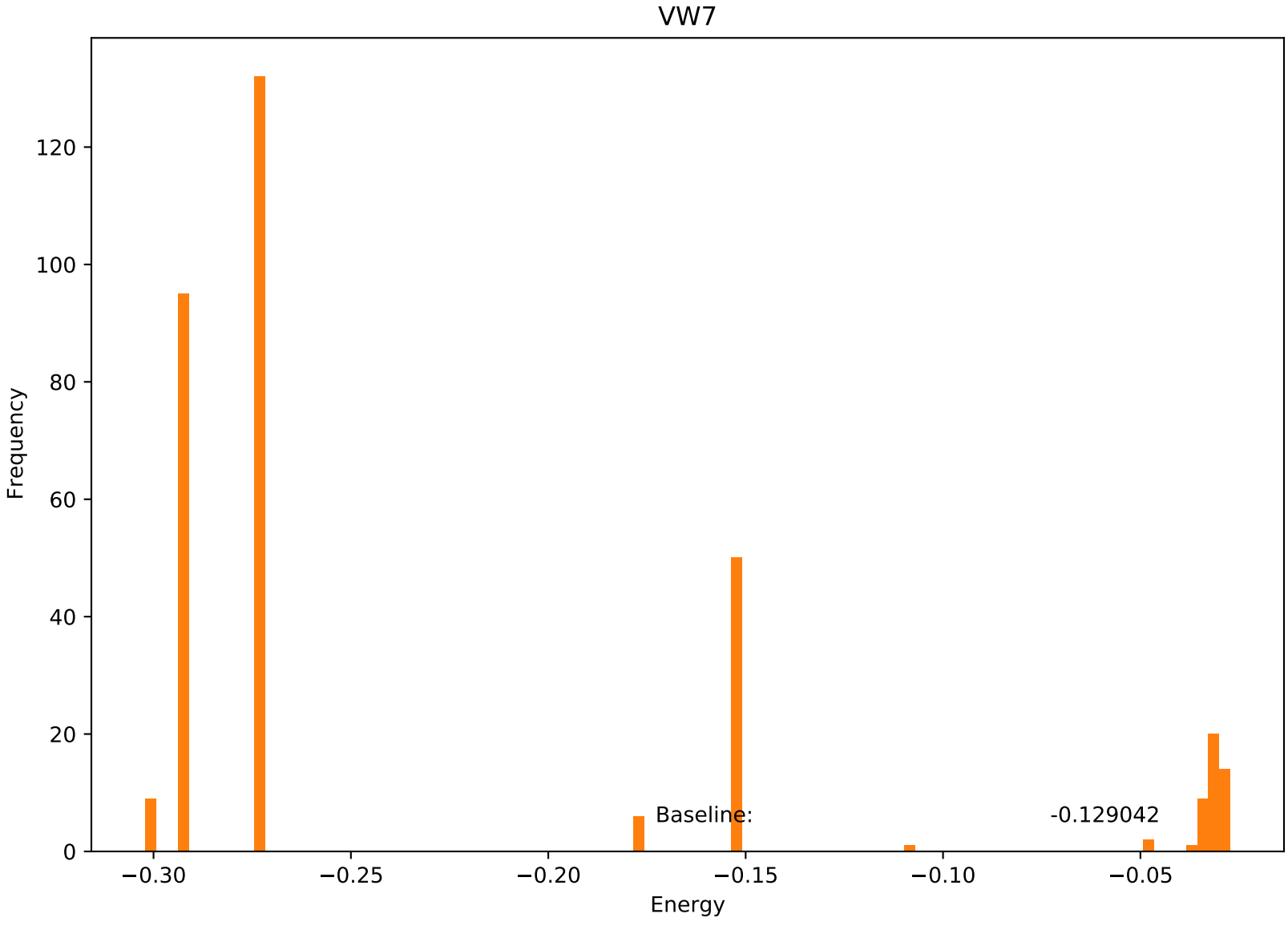

VW2
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
160
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900

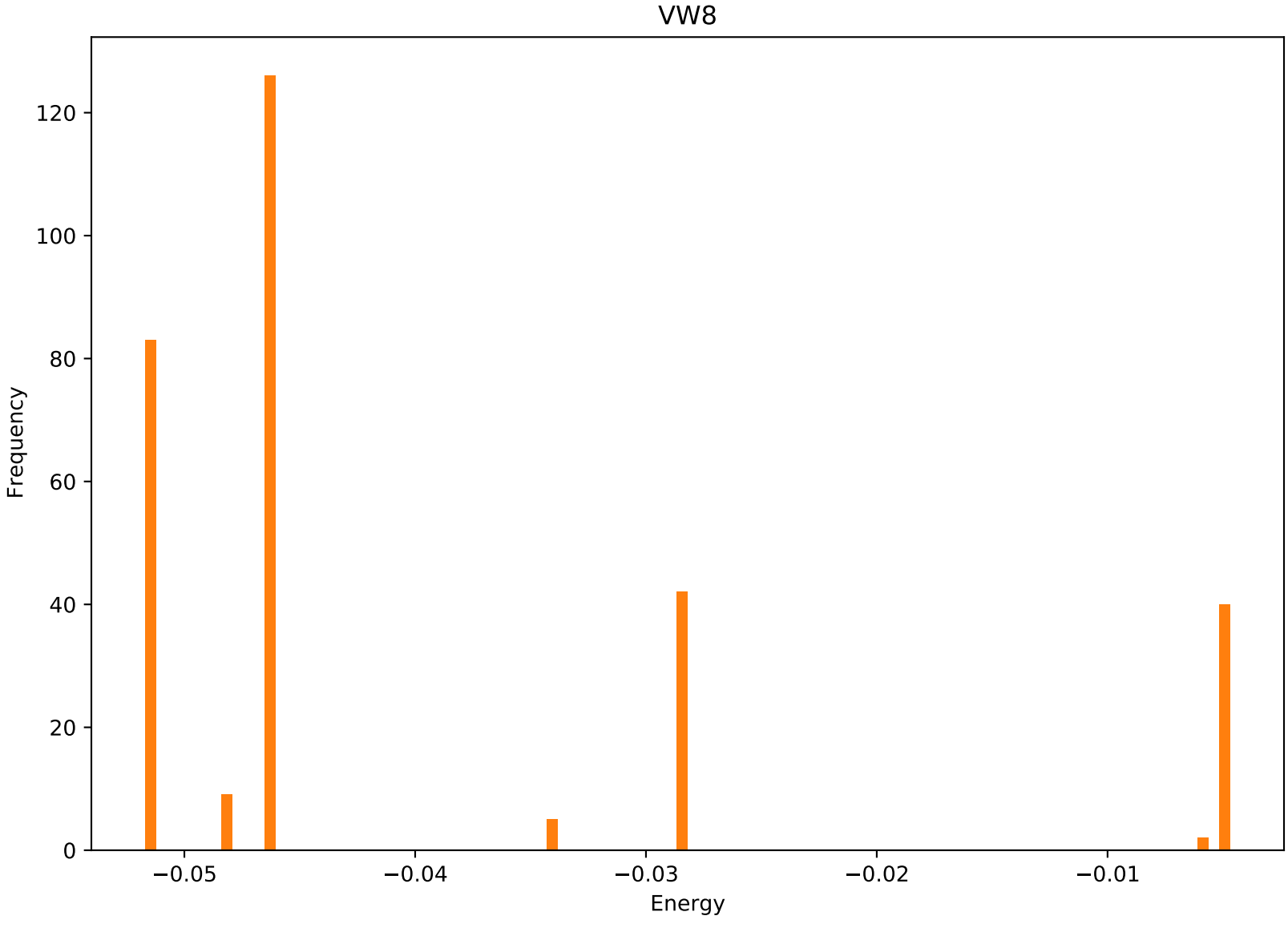

VW3
Frequency
Energy
0
50
100
150
200
250
300
−4.0
−3.5
−3.0
−2.5
−2.0
Baseline: 65618

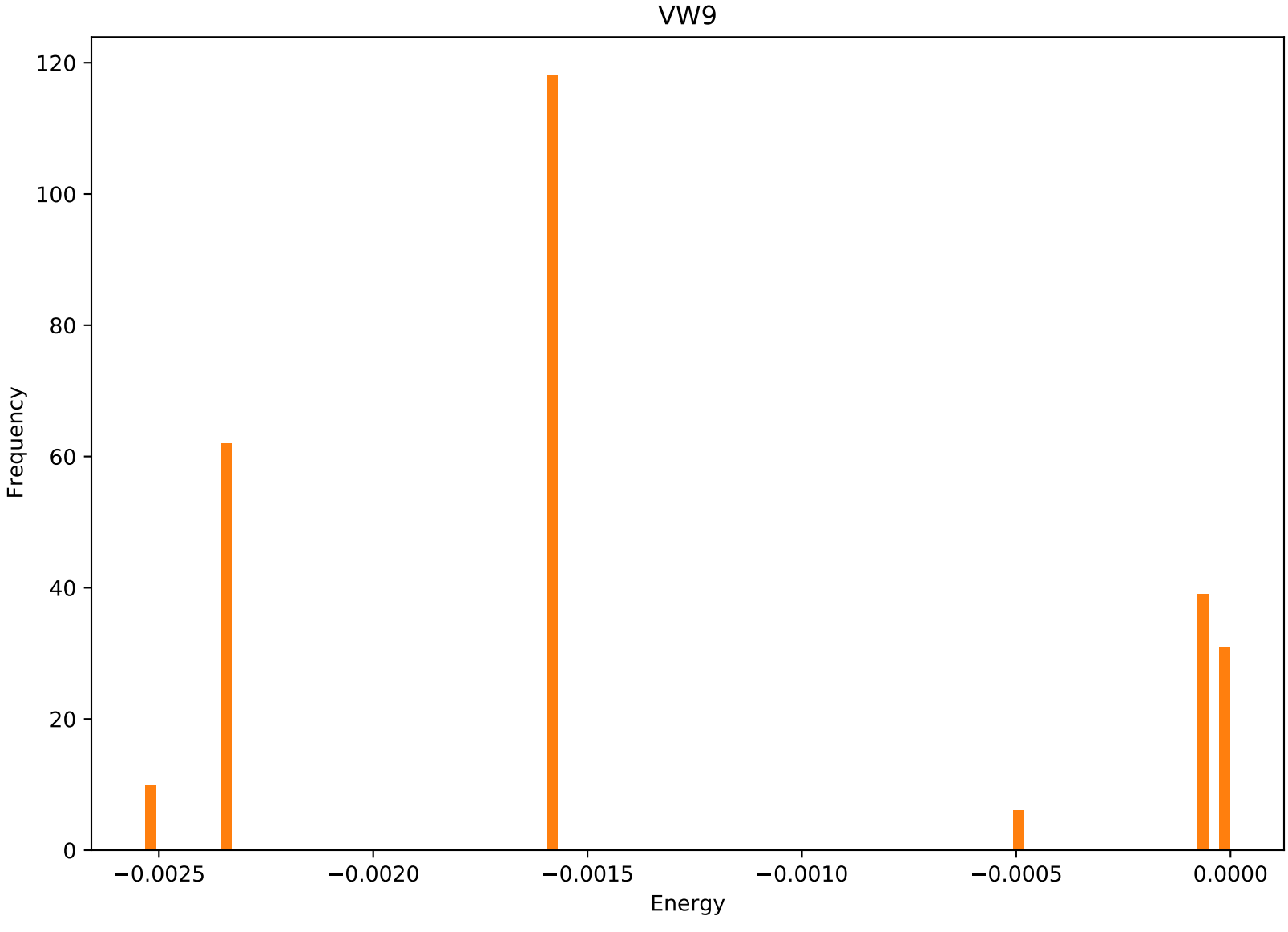

VW4
Frequency
Energy
350
300
250
200
150
100
50
0
−4.5
−4.0
−3.5
−3.0
Baseline
-4.77422

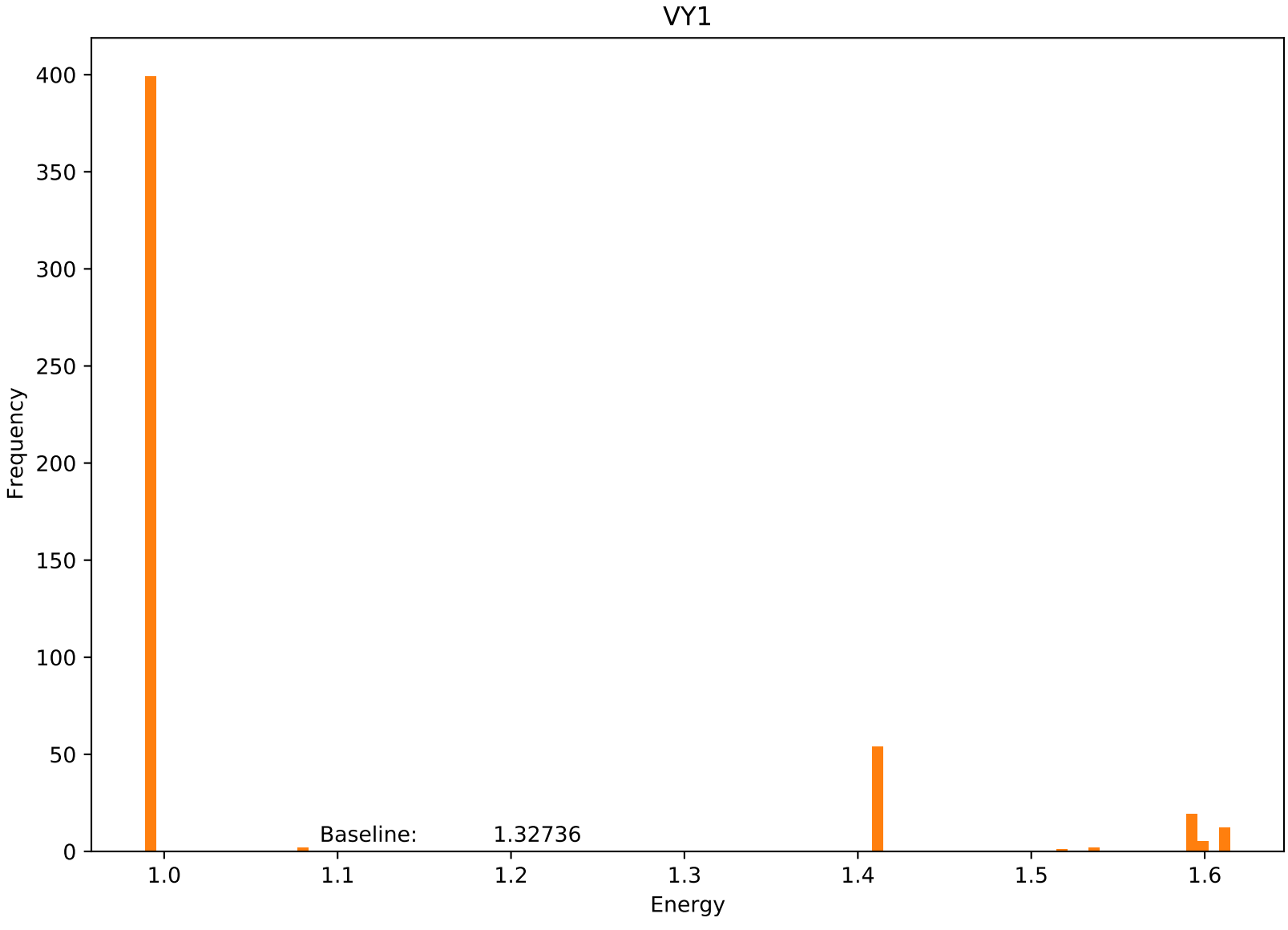

VW5
Frequency
Energy
0
20
40
60
80
100
120
140
160
−0.28
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14

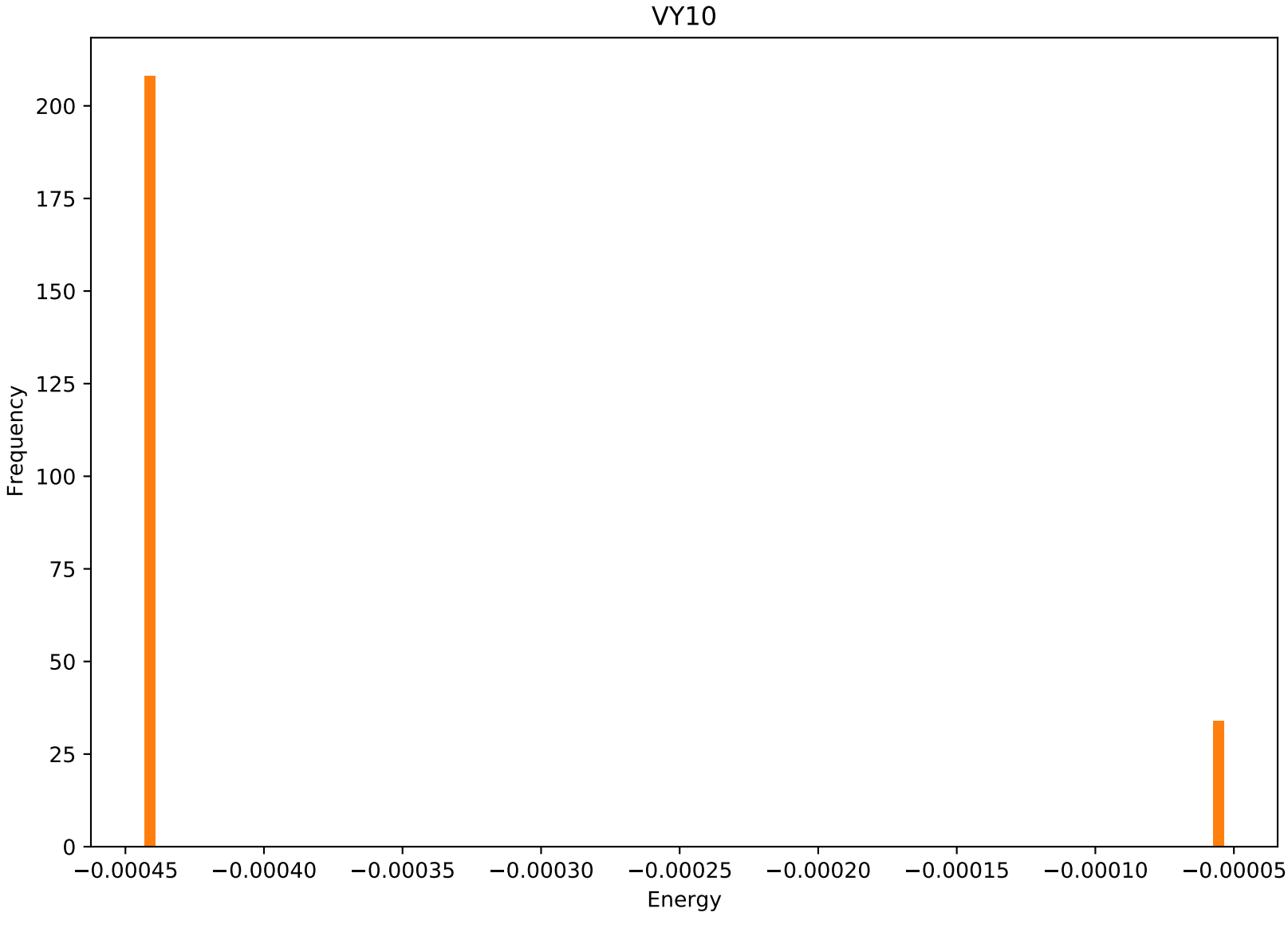

VW6
Frequency
Energy
0
20
40
60
80
100
120
140
160
−0.12
−0.11
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

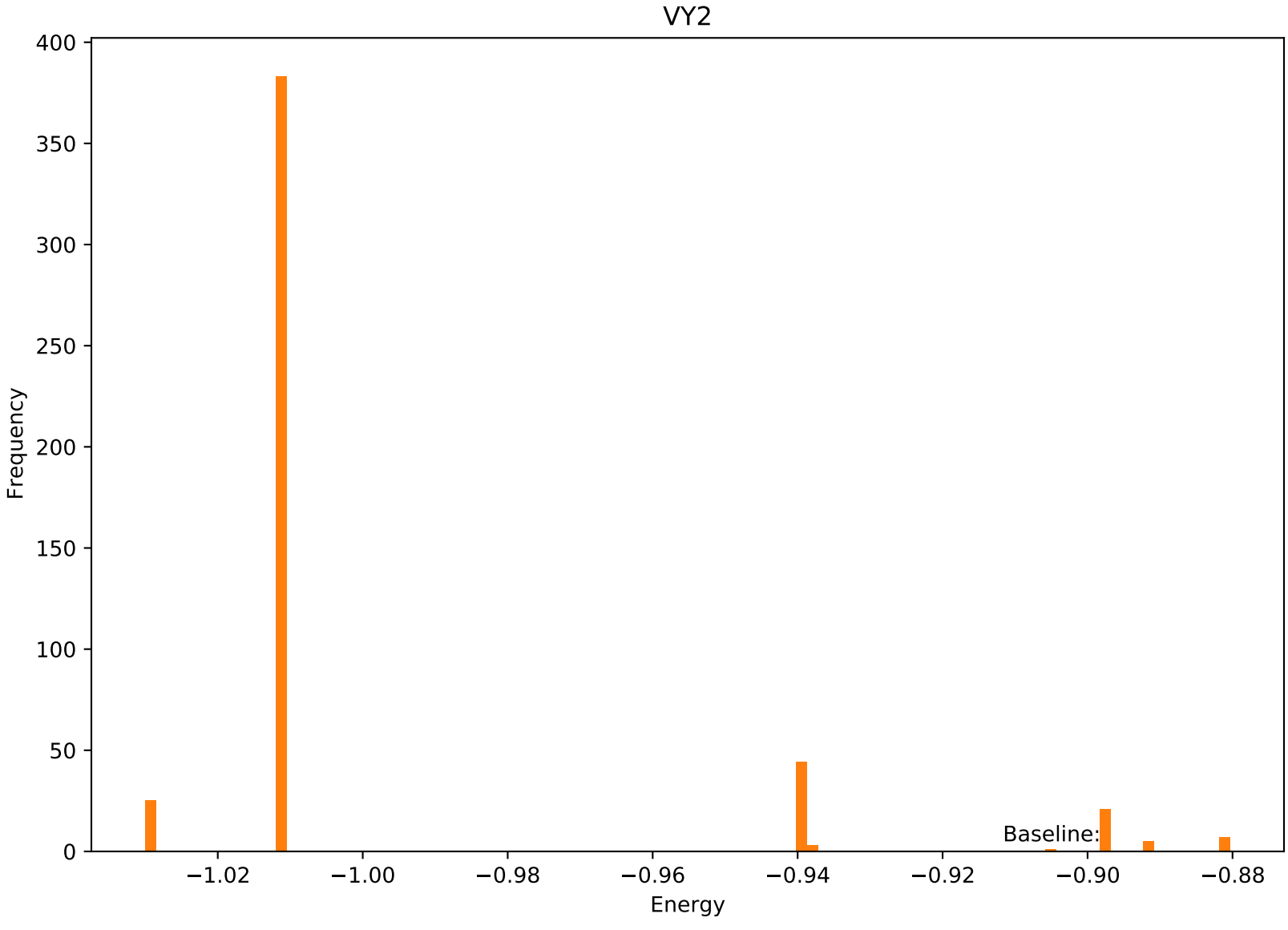

VW7
Frequency
120
100
80
60
40
20
0
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
Energy
Baseline:
-0.129042

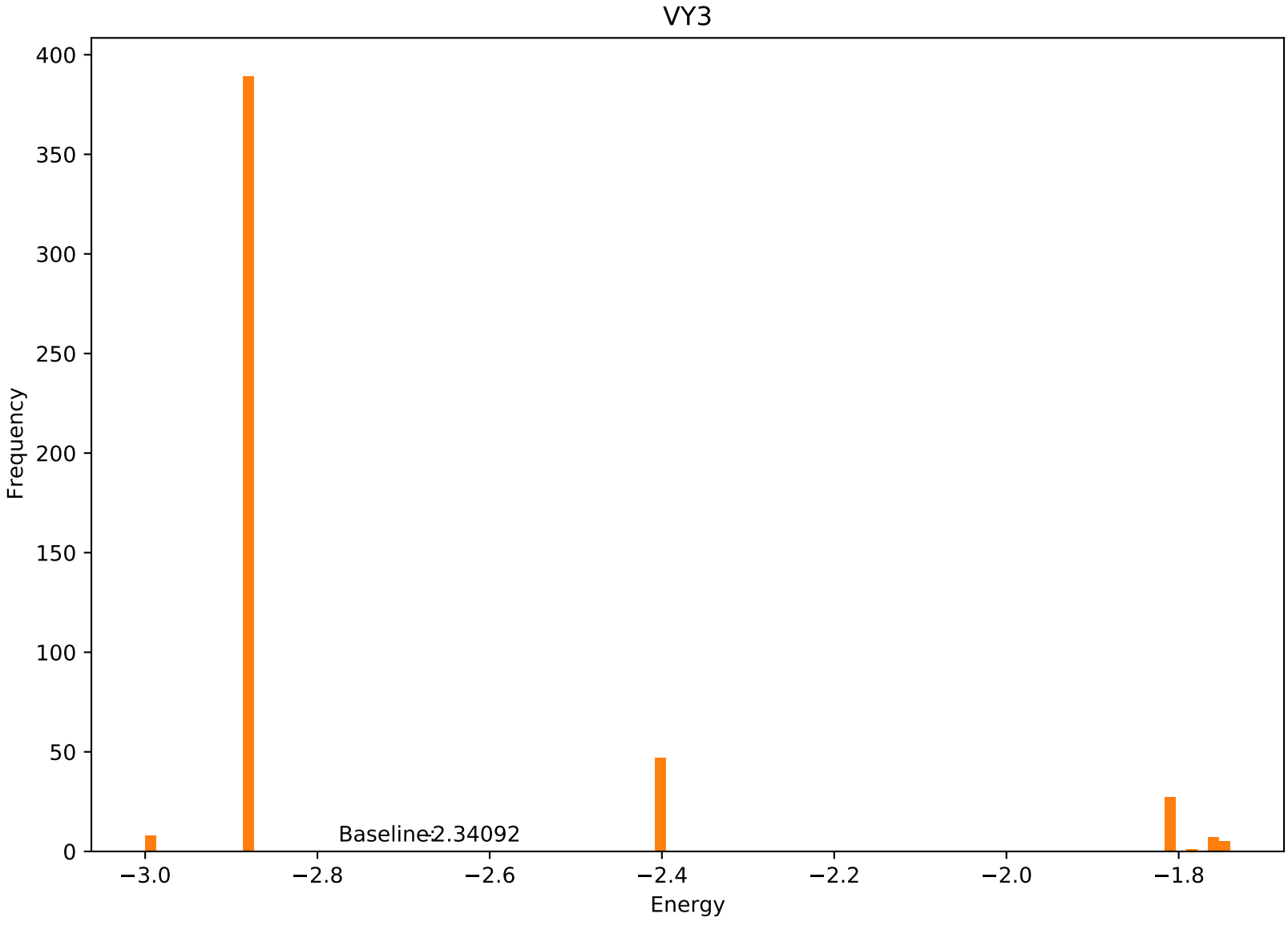

VW8
Frequency
120
100
80
60
40
20
0
−0.05
−0.04
−0.03
−0.02
−0.01
Energy

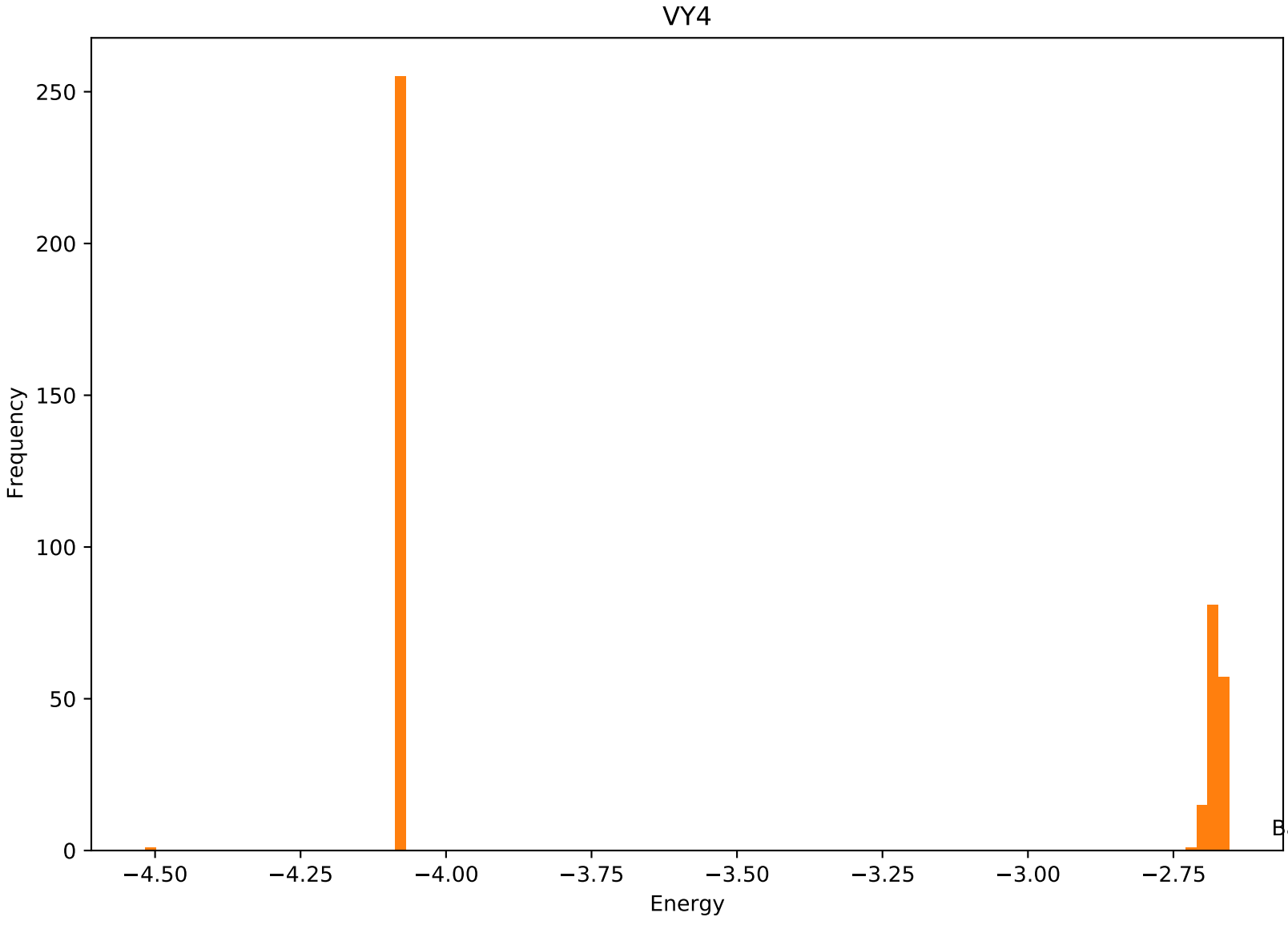

VW9
Frequency
Energy
0
20
40
60
80
100
120
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000


VY1
Frequency
Energy
Baseline: 1.32736
0
50
100
150
200
250
300
350
400
1.0
1.1
1.2
1.3
1.4
1.5
1.6

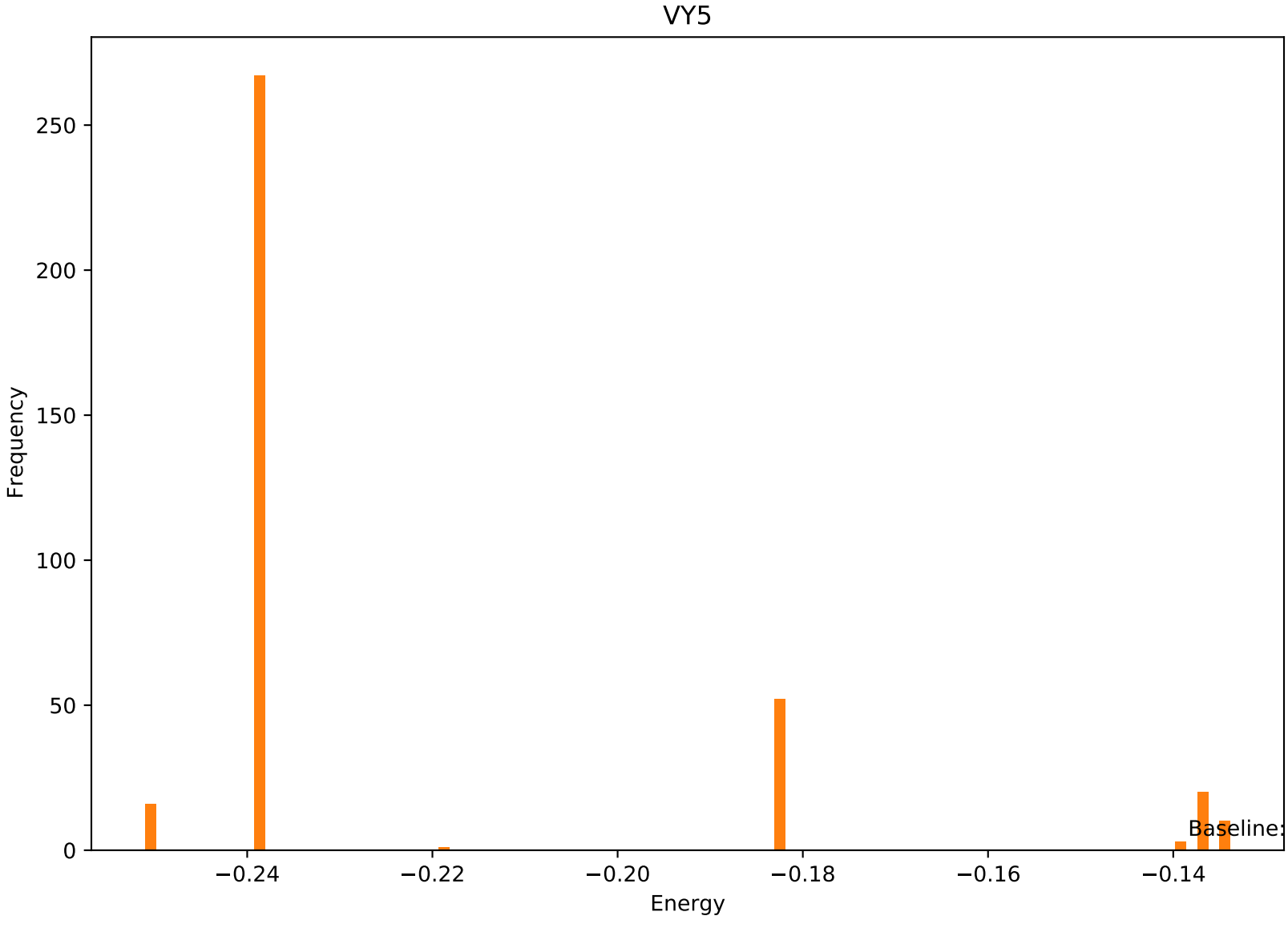

VY10
Frequency
200
175
150
125
100
75
50
25
0
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy

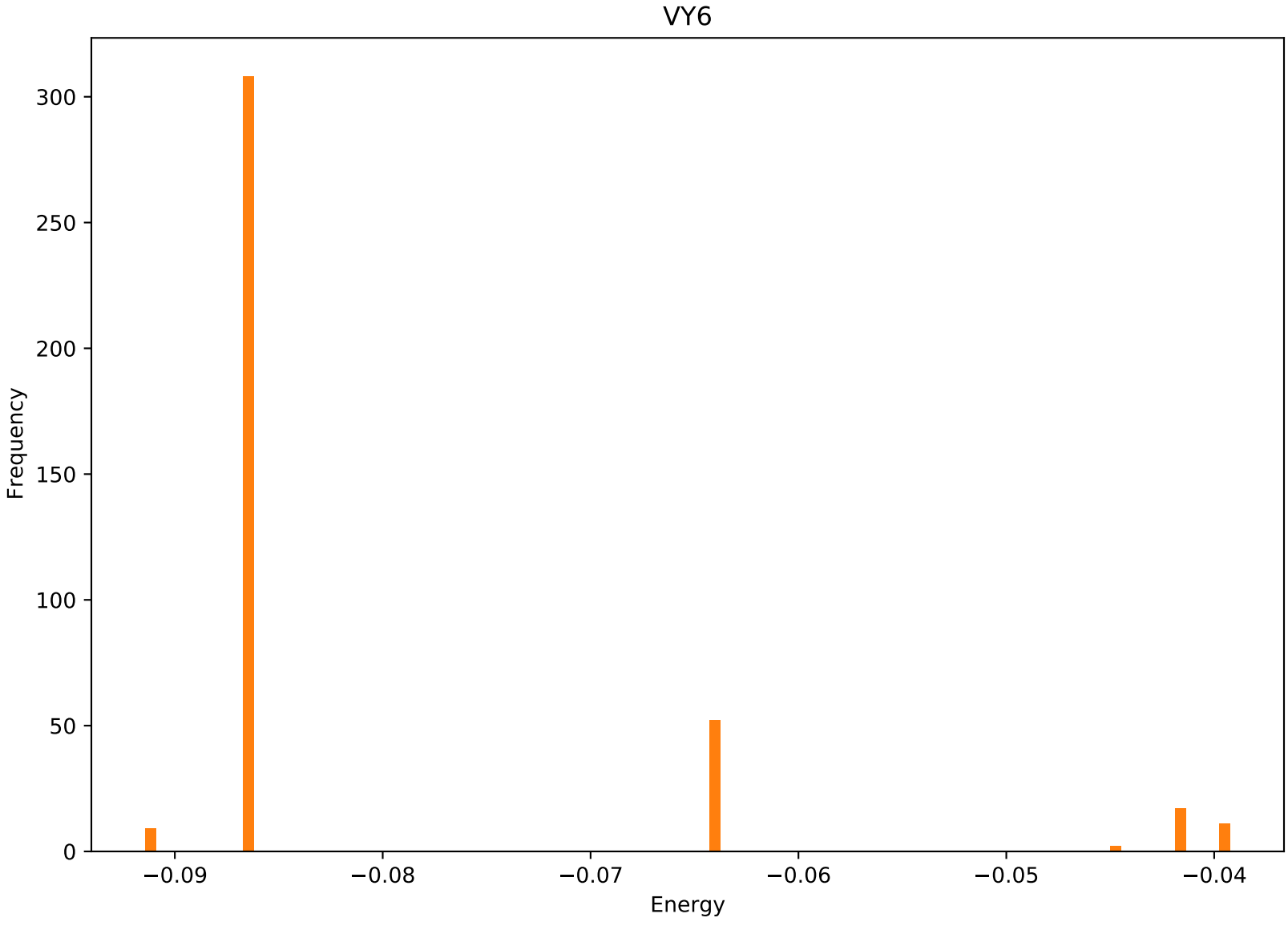

VY2
Frequency
Energy
Baseline:
400
350
300
250
200
150
100
50
0
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88

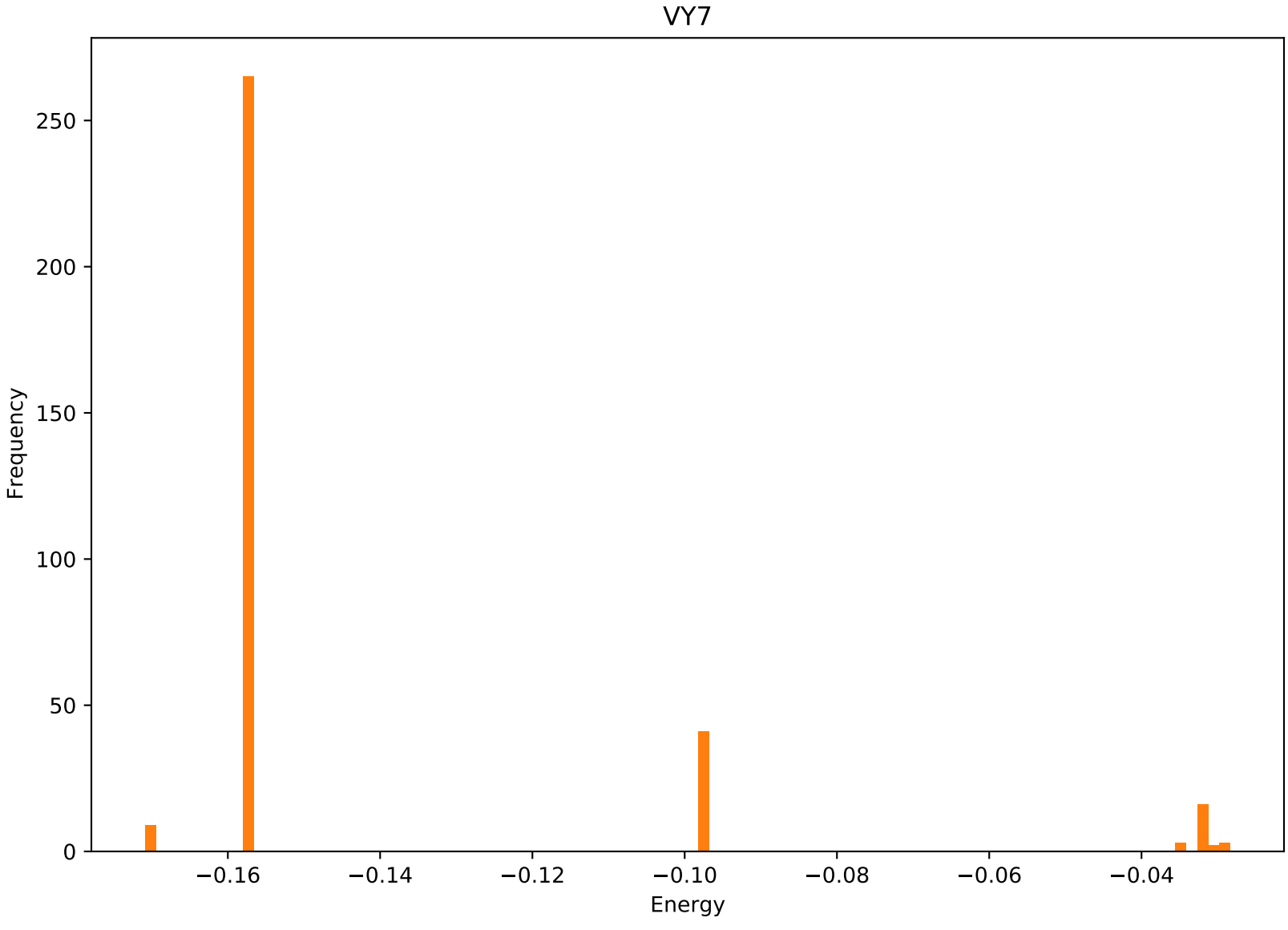

VY3
Frequency
Energy
Baseline: 2.34092
400
350
300
250
200
150
100
50
0
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

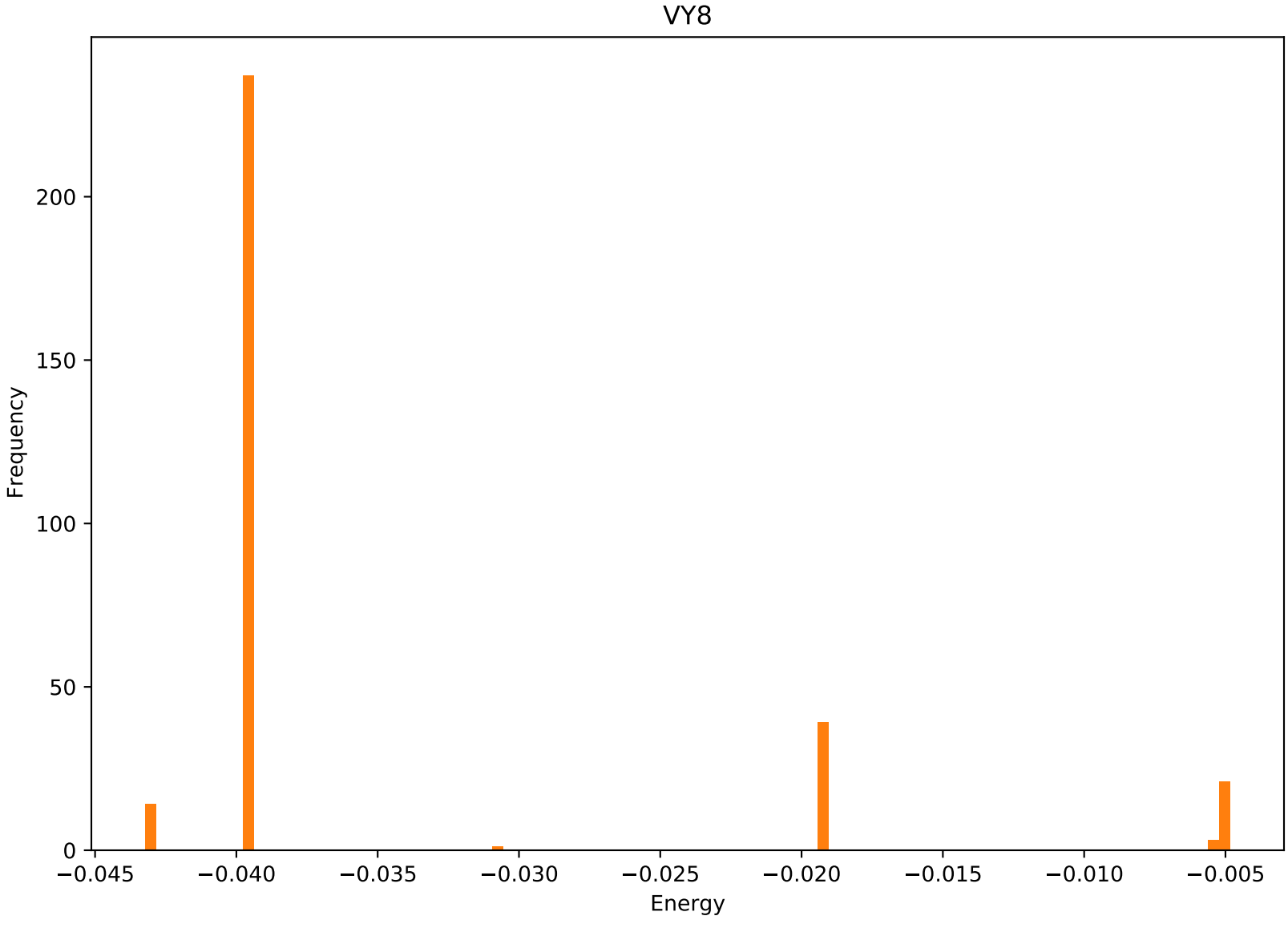

VY4
Frequency
Energy
250
200
150
100
50
0
−4.50
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75

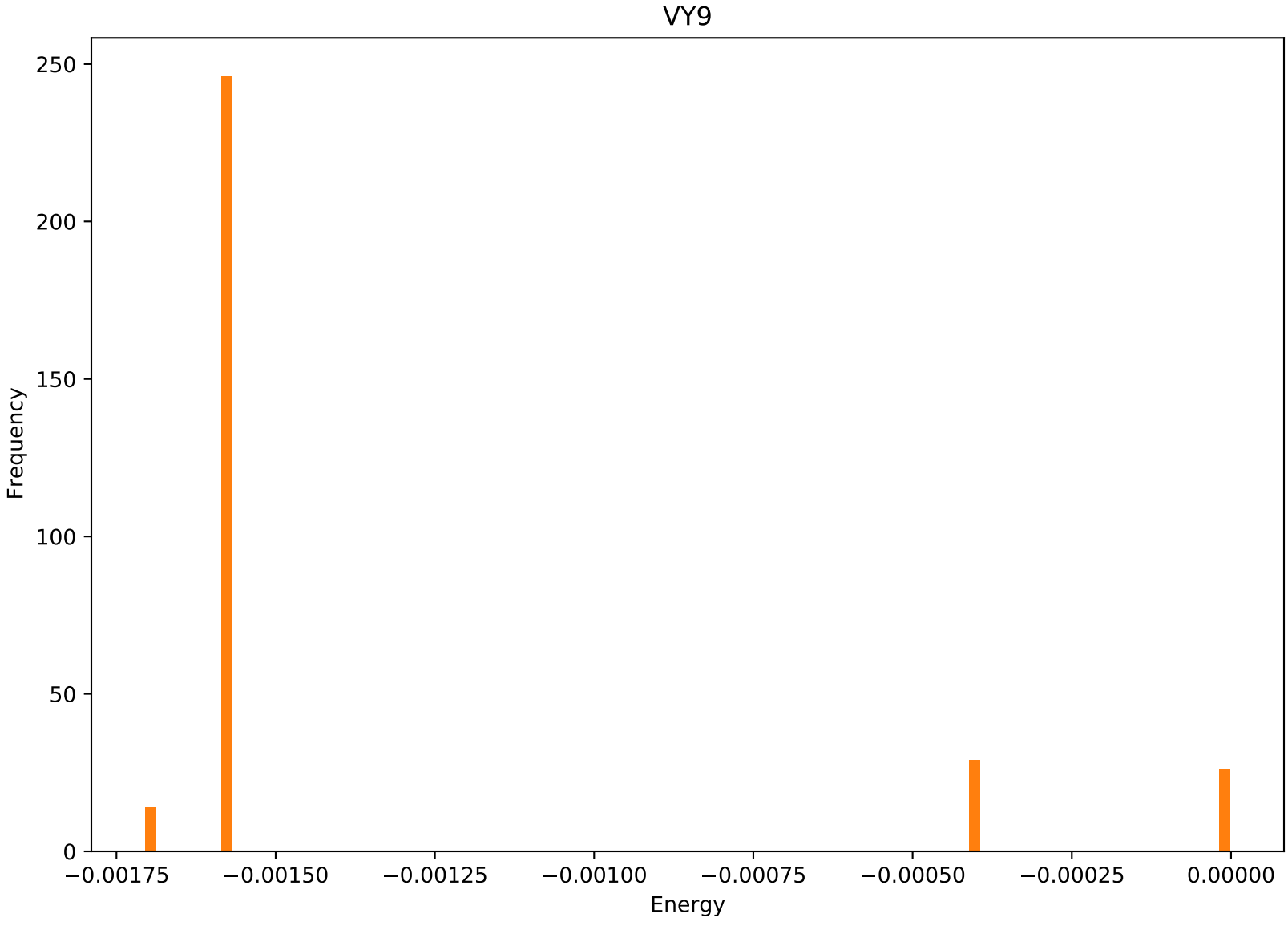
Baseline:

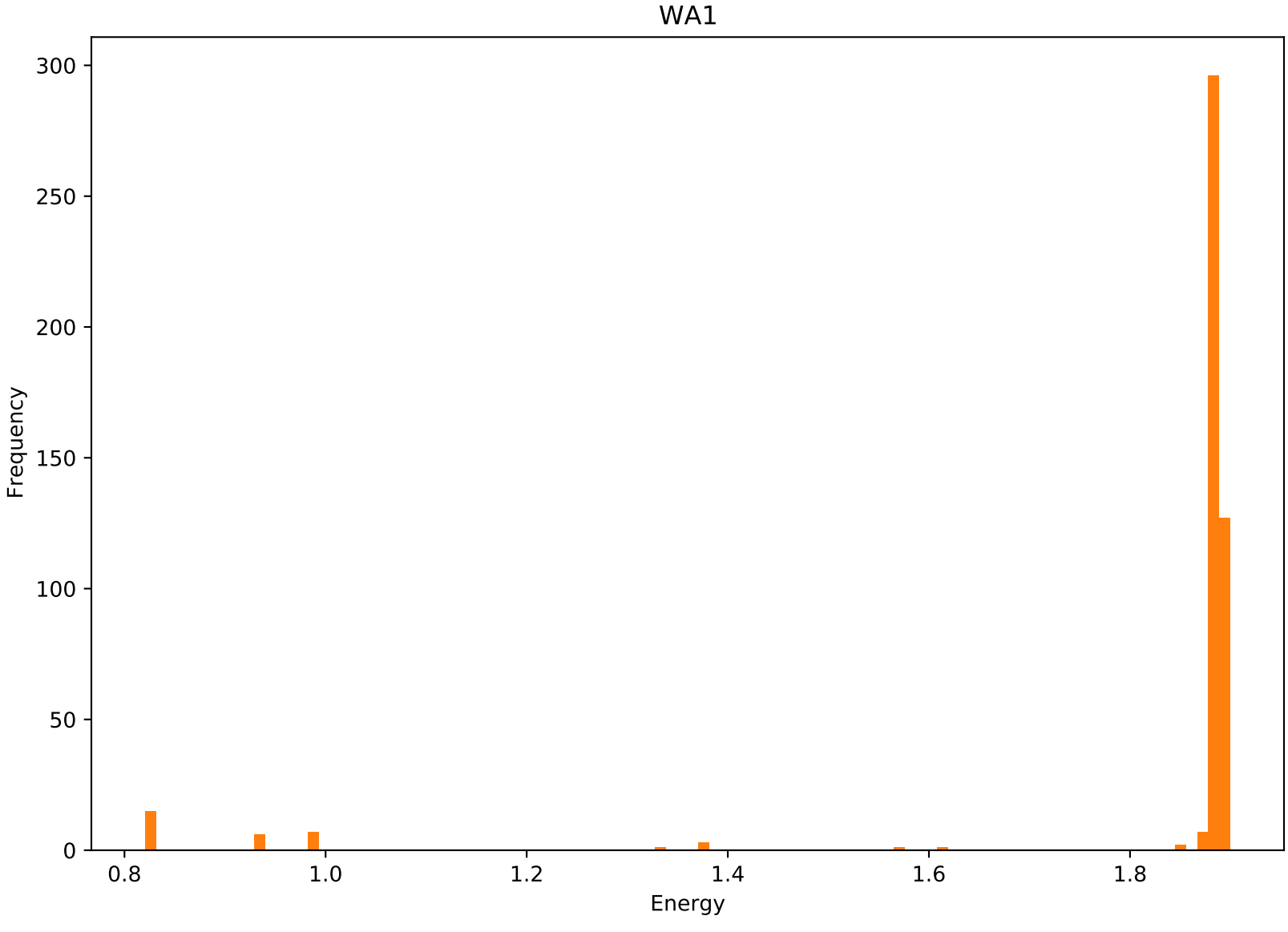

VY5
Frequency
250
200
150
100
50
0
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
Energy
Baseline:

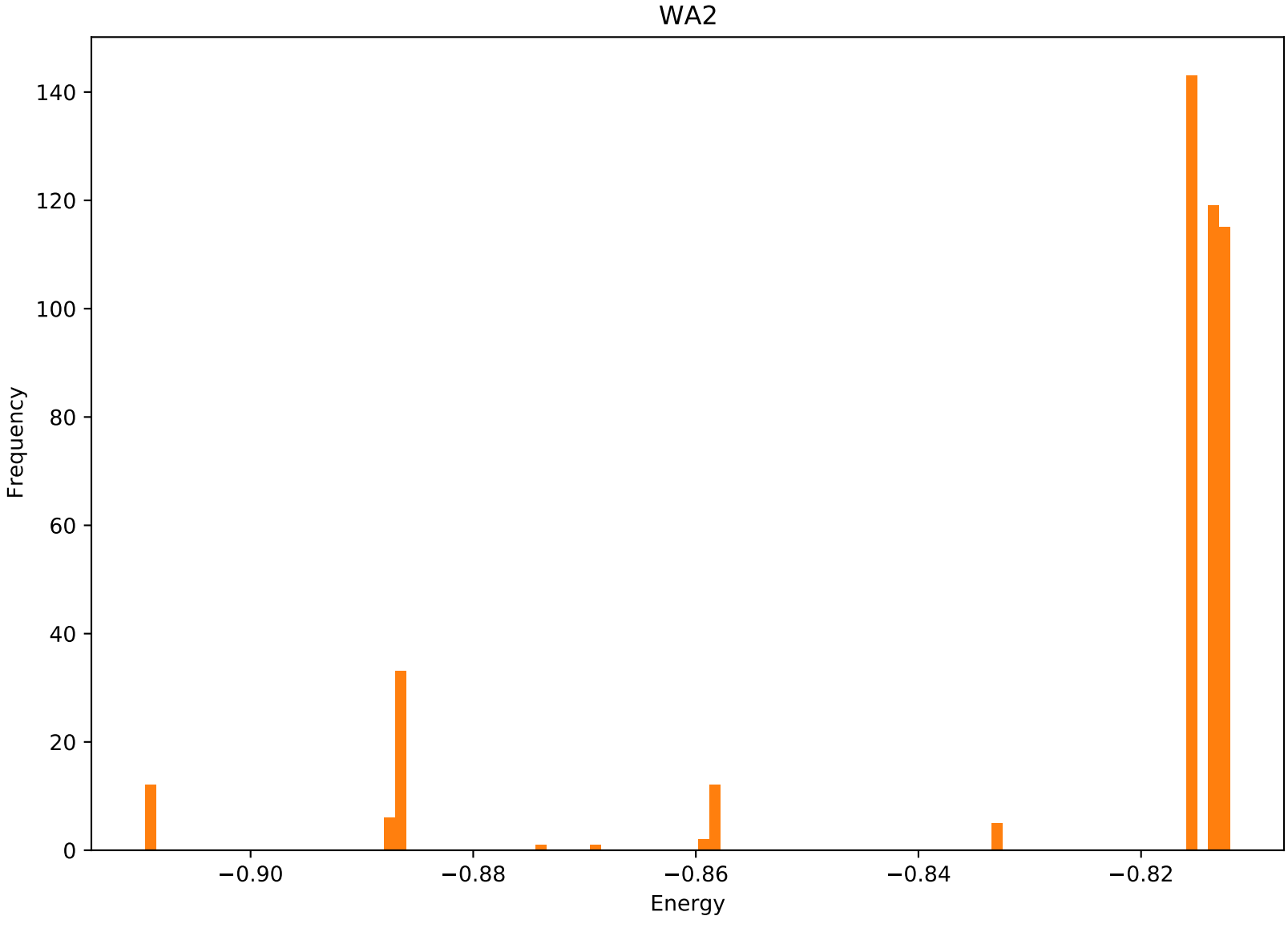

VY6
Frequency
300
250
200
150
100
50
0
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

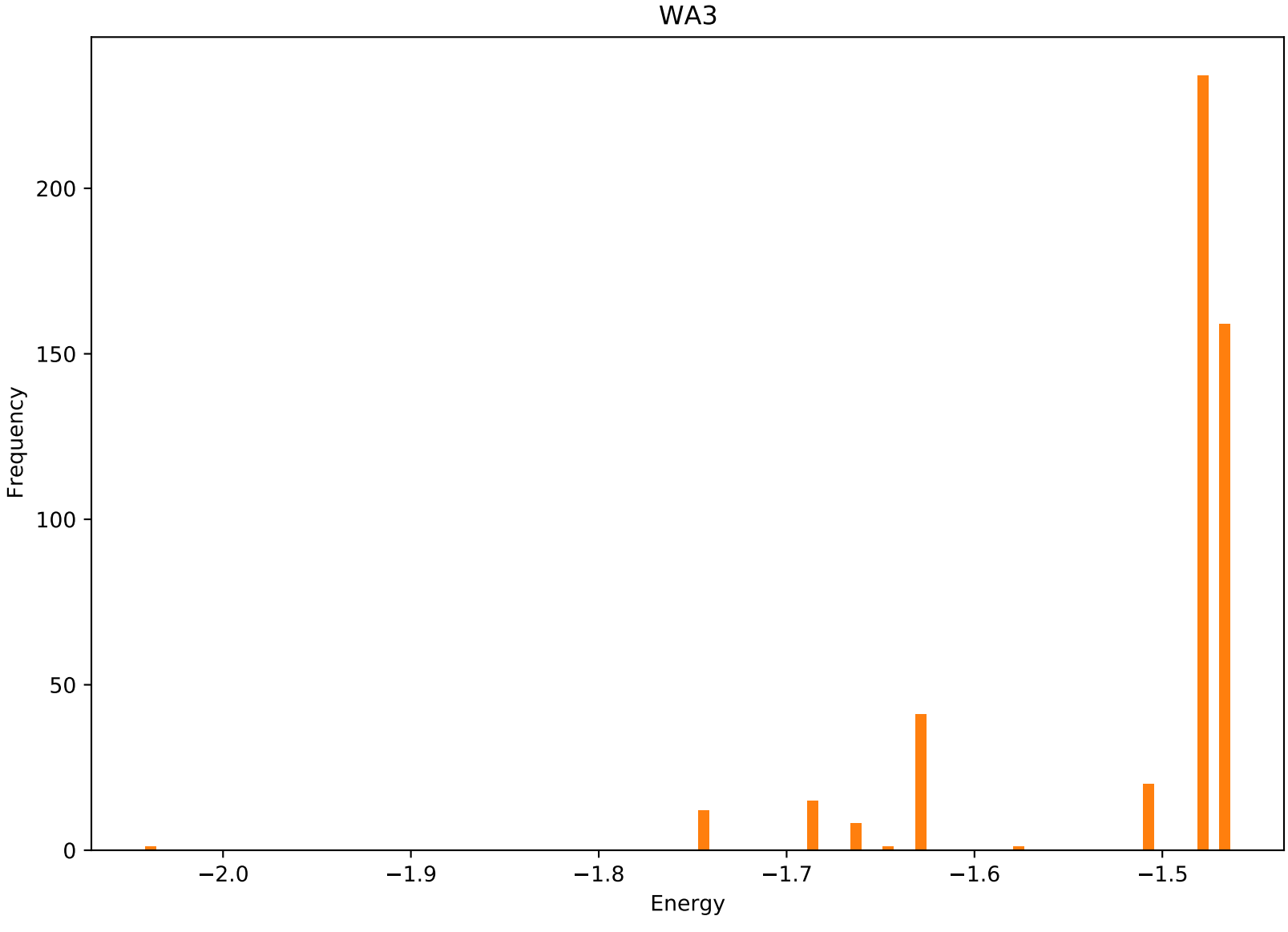

VY7
Frequency
250
200
150
100
50
0
−0.16
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

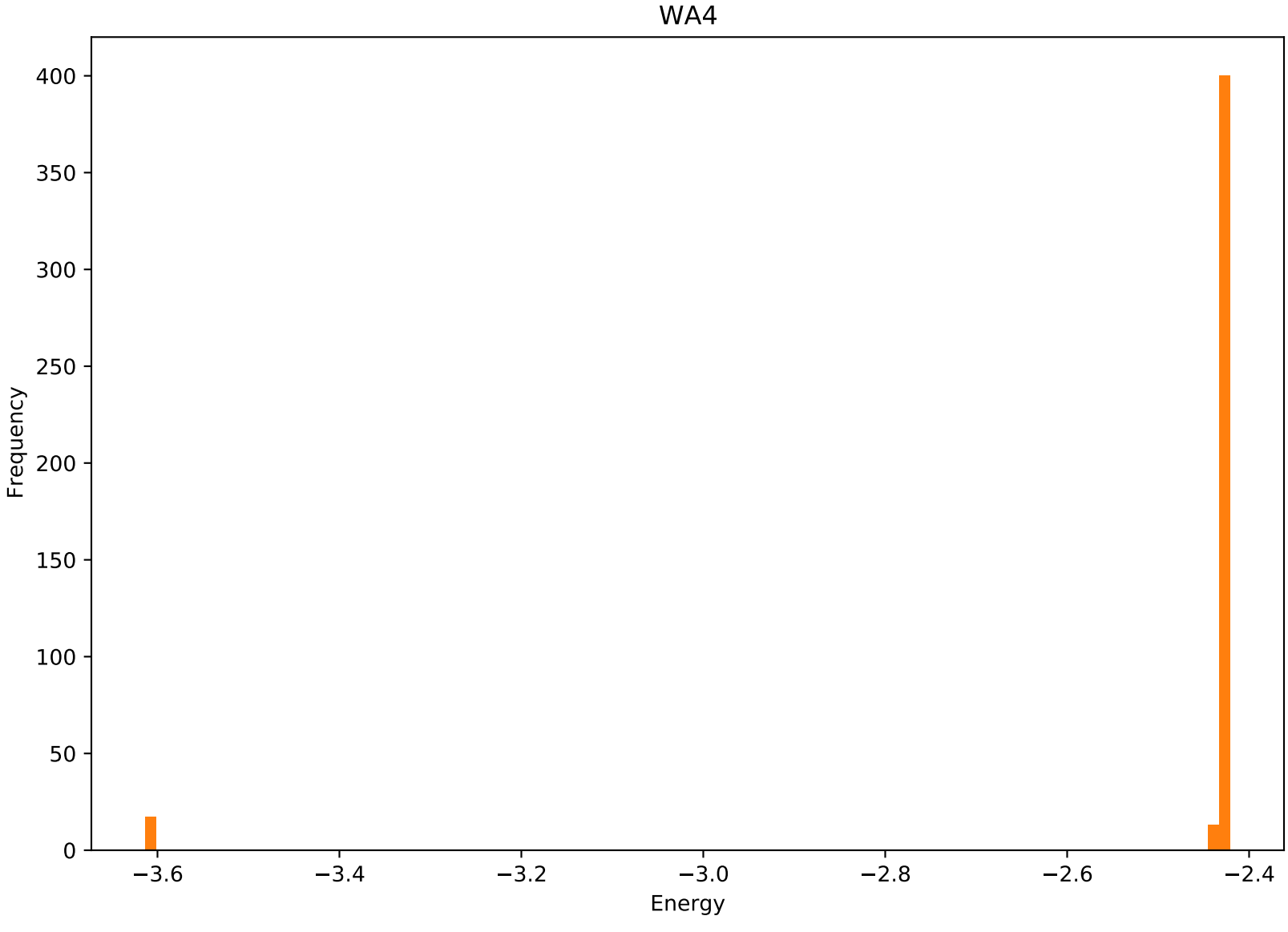

VY8
Frequency
200
150
100
50
0
−0.045
−0.040
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

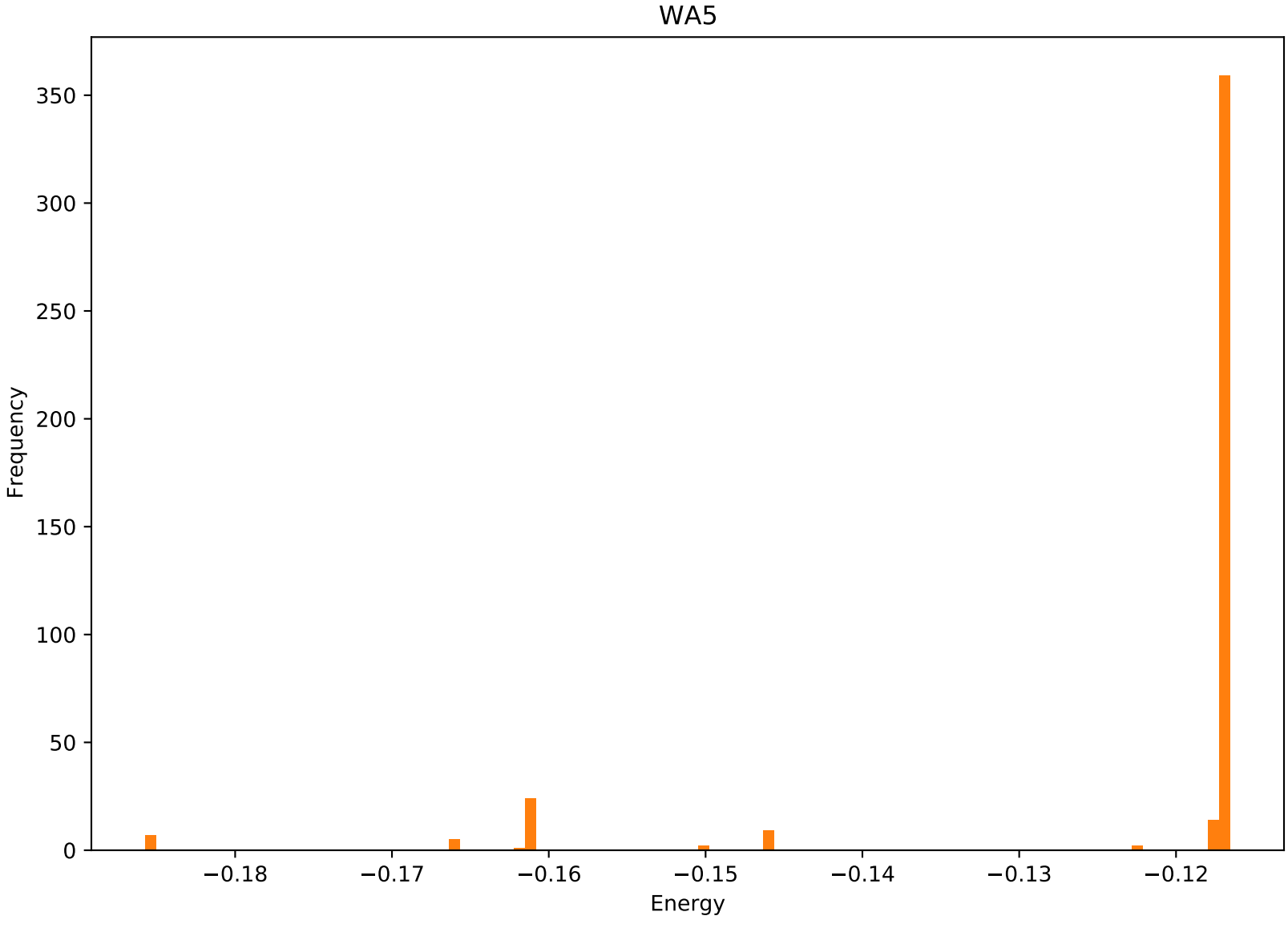

VY9
Frequency
Energy
250
200
150
100
50
0
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000

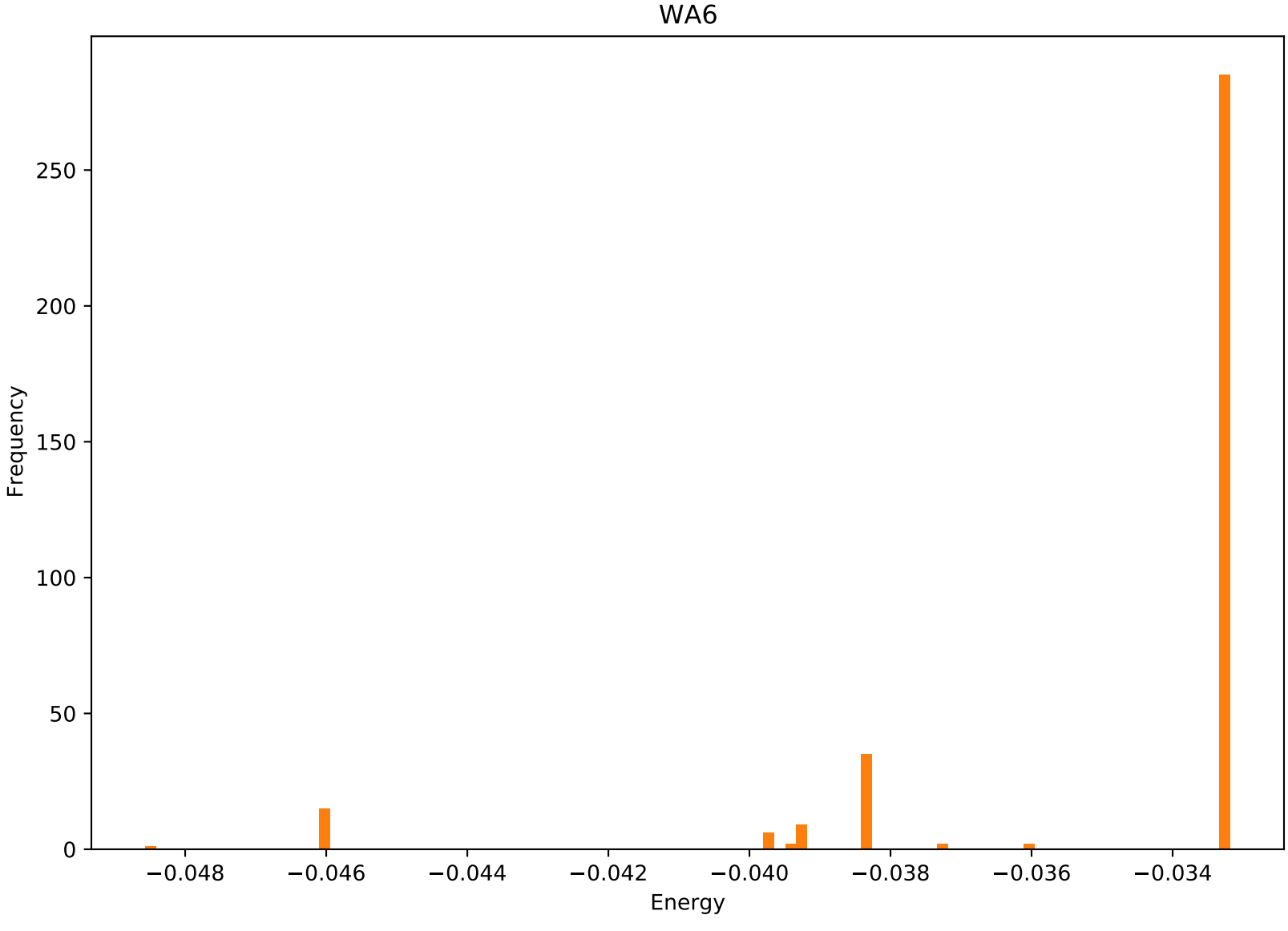

WA1
300
250
200
150
100
50
0
Frequency
0.8
1.0
1.2
1.4
1.6
1.8
Energy

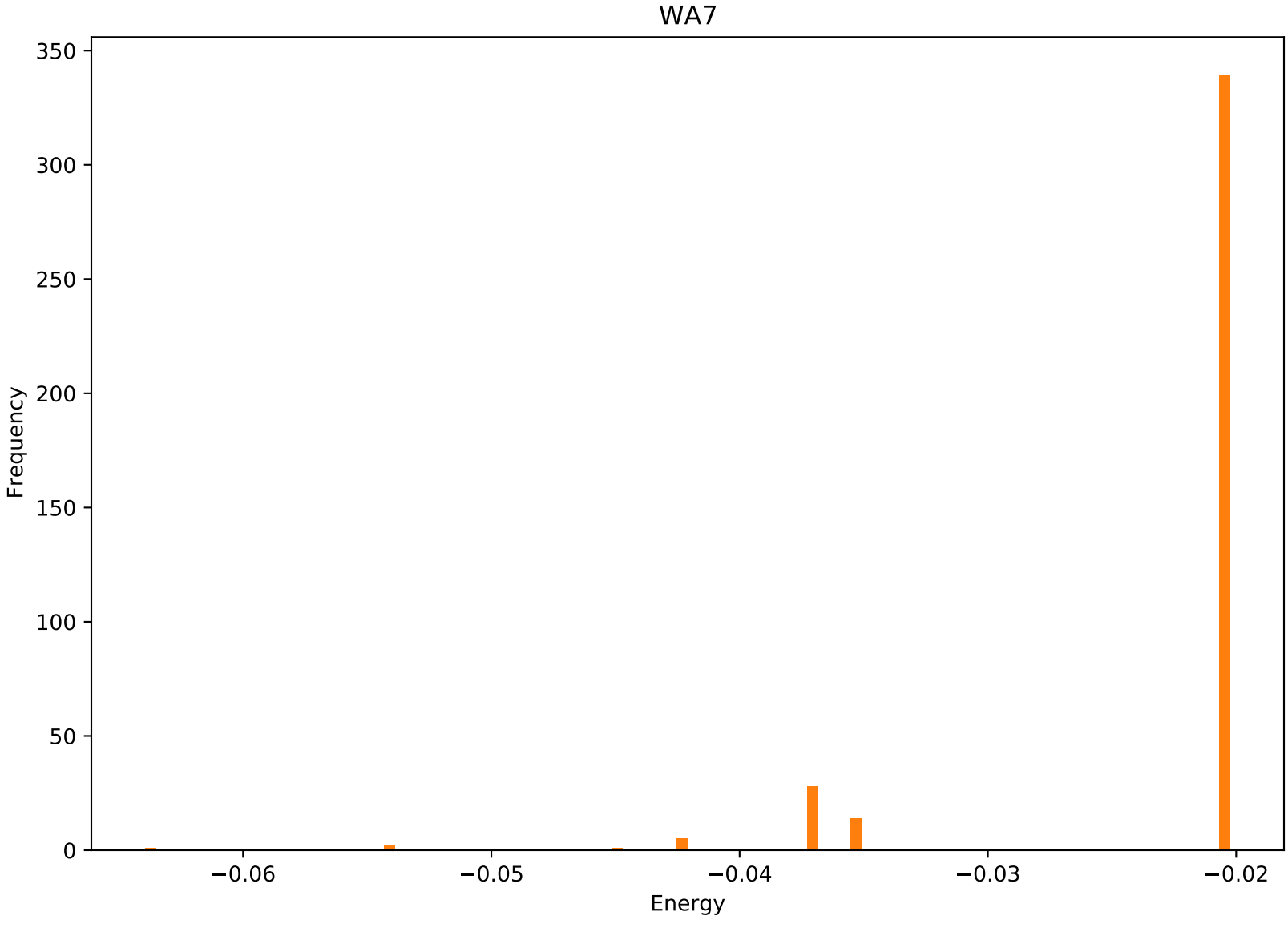

WA2
Frequency
Energy
0
20
40
60
80
100
120
140
−0.90
−0.88
−0.86
−0.84
−0.82

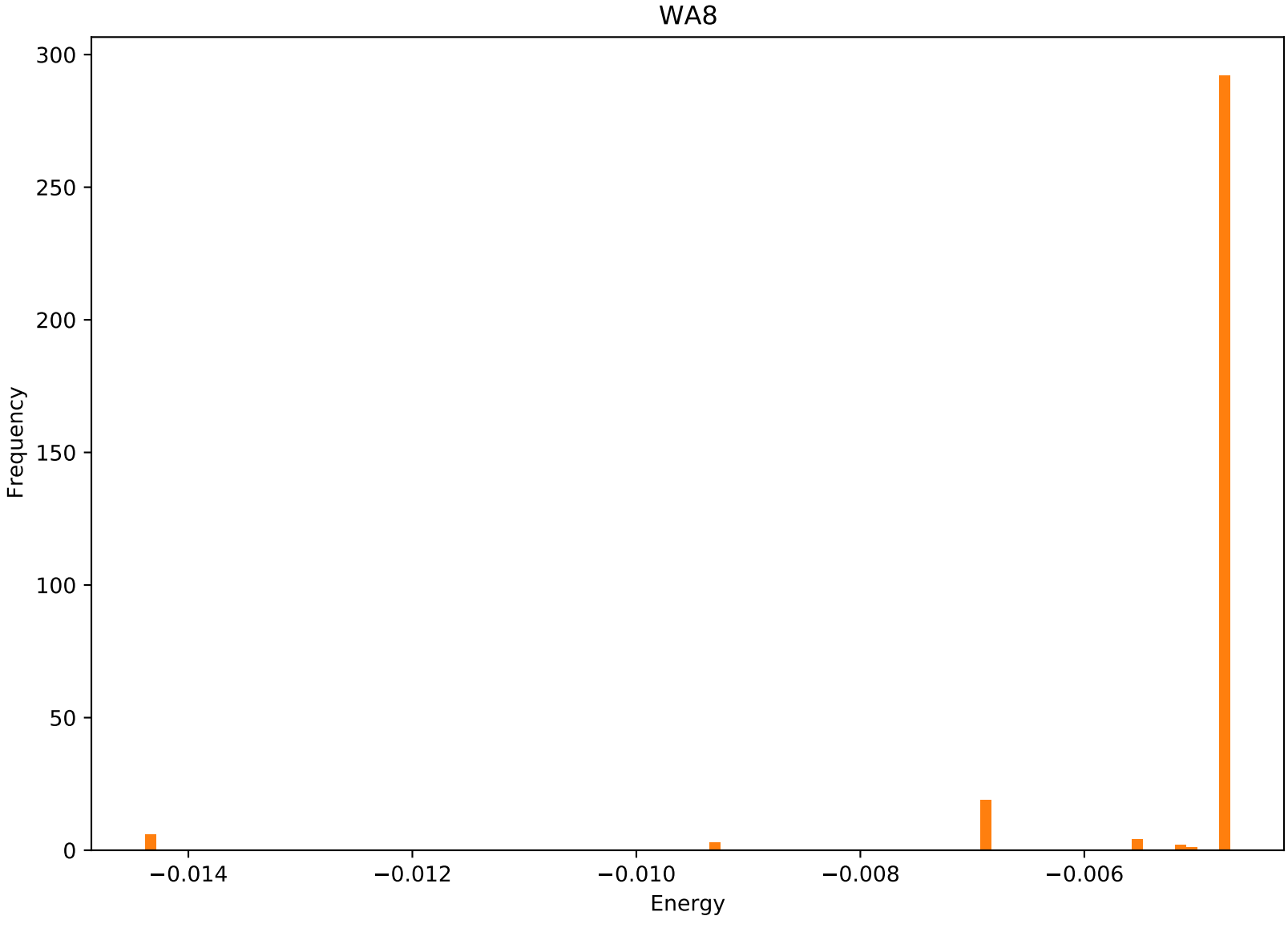

WA3
Frequency
200
150
100
50
0
−2.0
−1.9
−1.8
−1.7
−1.6
−1.5
Energy

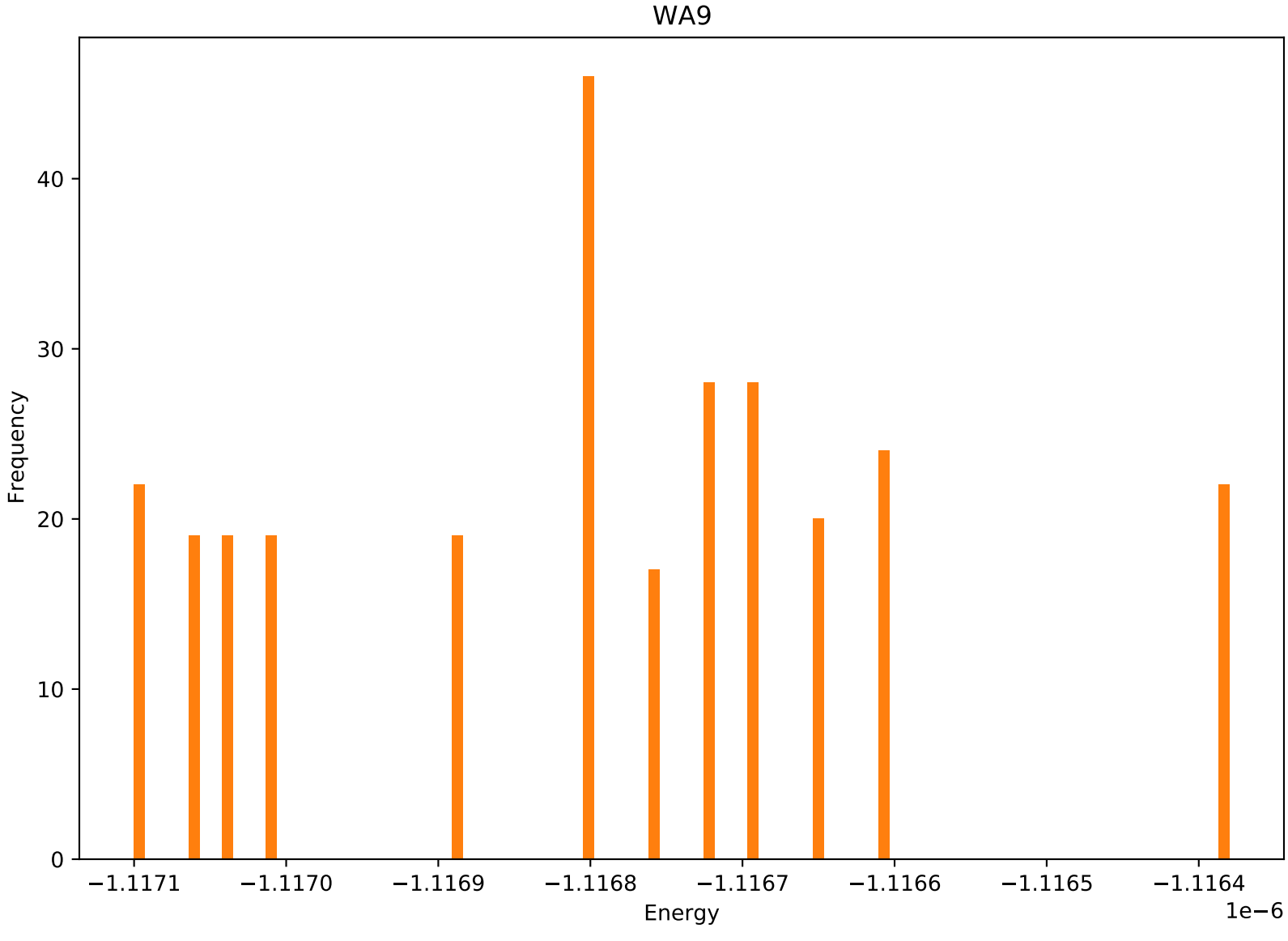

WA4
Frequency
Energy
0
50
100
150
200
250
300
350
400
−3.6
−3.4
−3.2
−3.0
−2.8
−2.6
−2.4

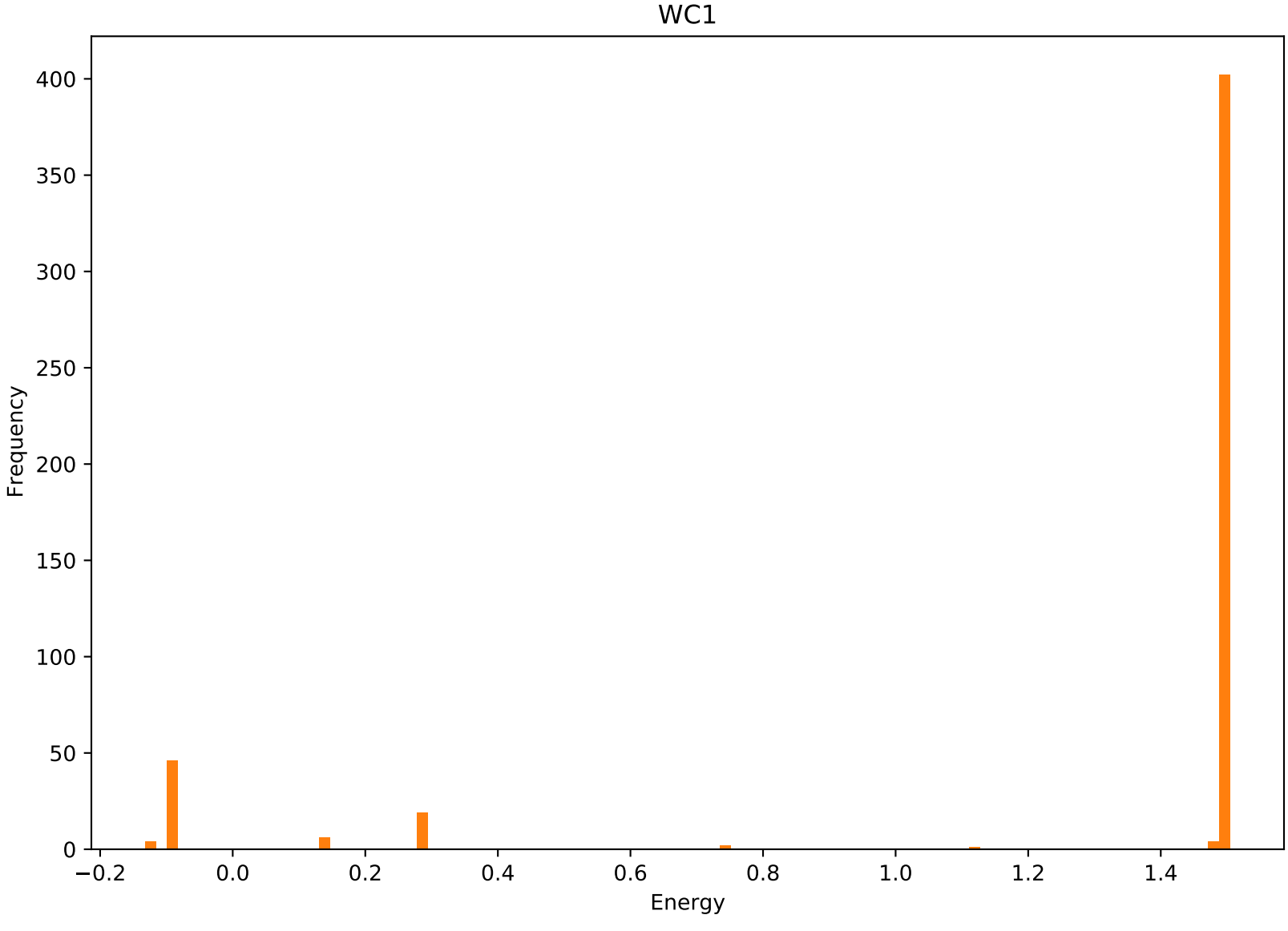

WA5
Frequency
350
300
250
200
150
100
50
0
−0.18
−0.17
−0.16
−0.15
−0.14
−0.13
−0.12
Energy

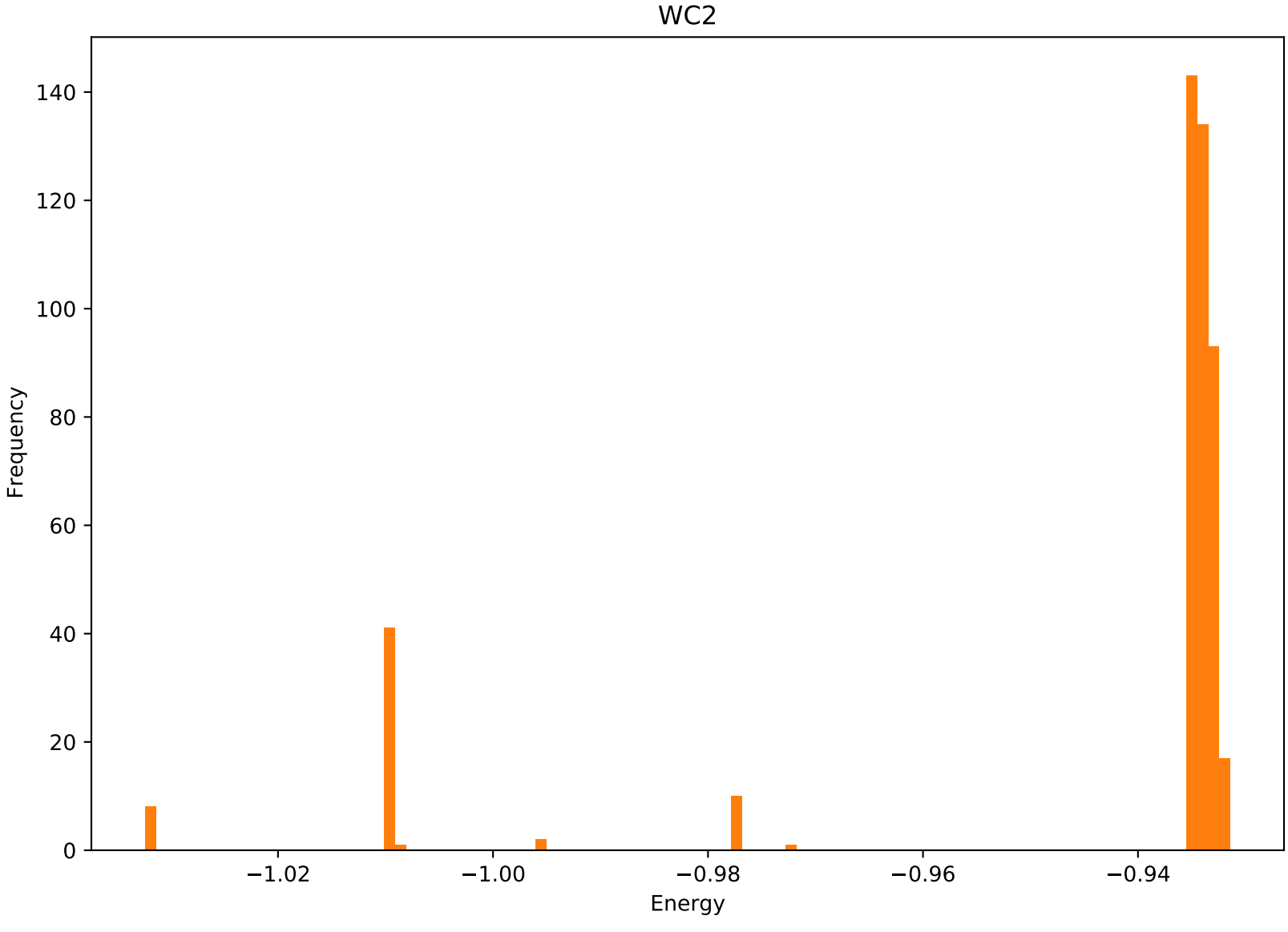

WA6
Frequency
250
200
150
100
50
0
−0.048
−0.046
−0.044
−0.042
−0.040
−0.038
−0.036
−0.034
Energy

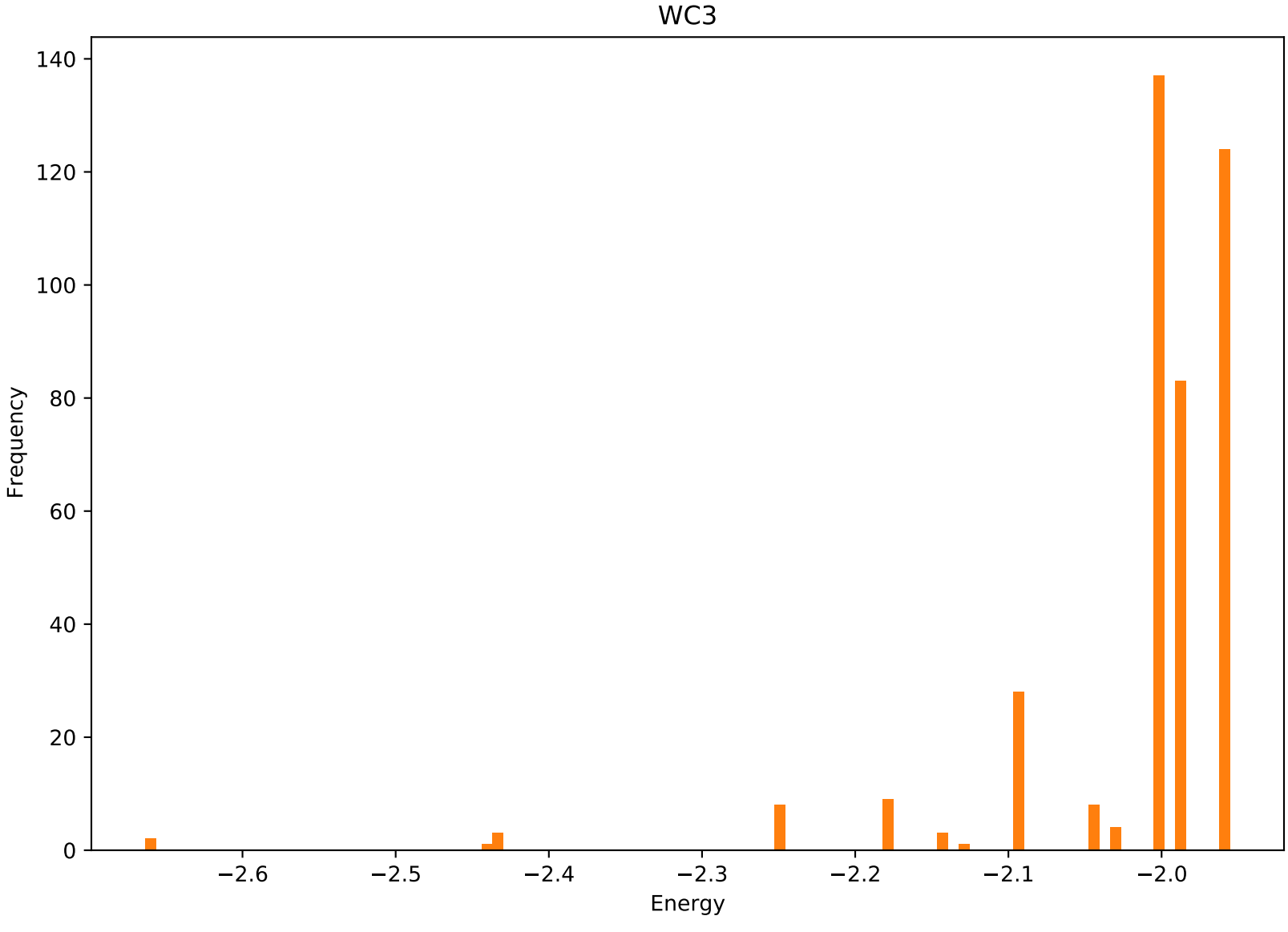

WA7
350
300
250
200
150
100
50
0
Frequency
−0.06
−0.05
−0.04
−0.03
−0.02
Energy

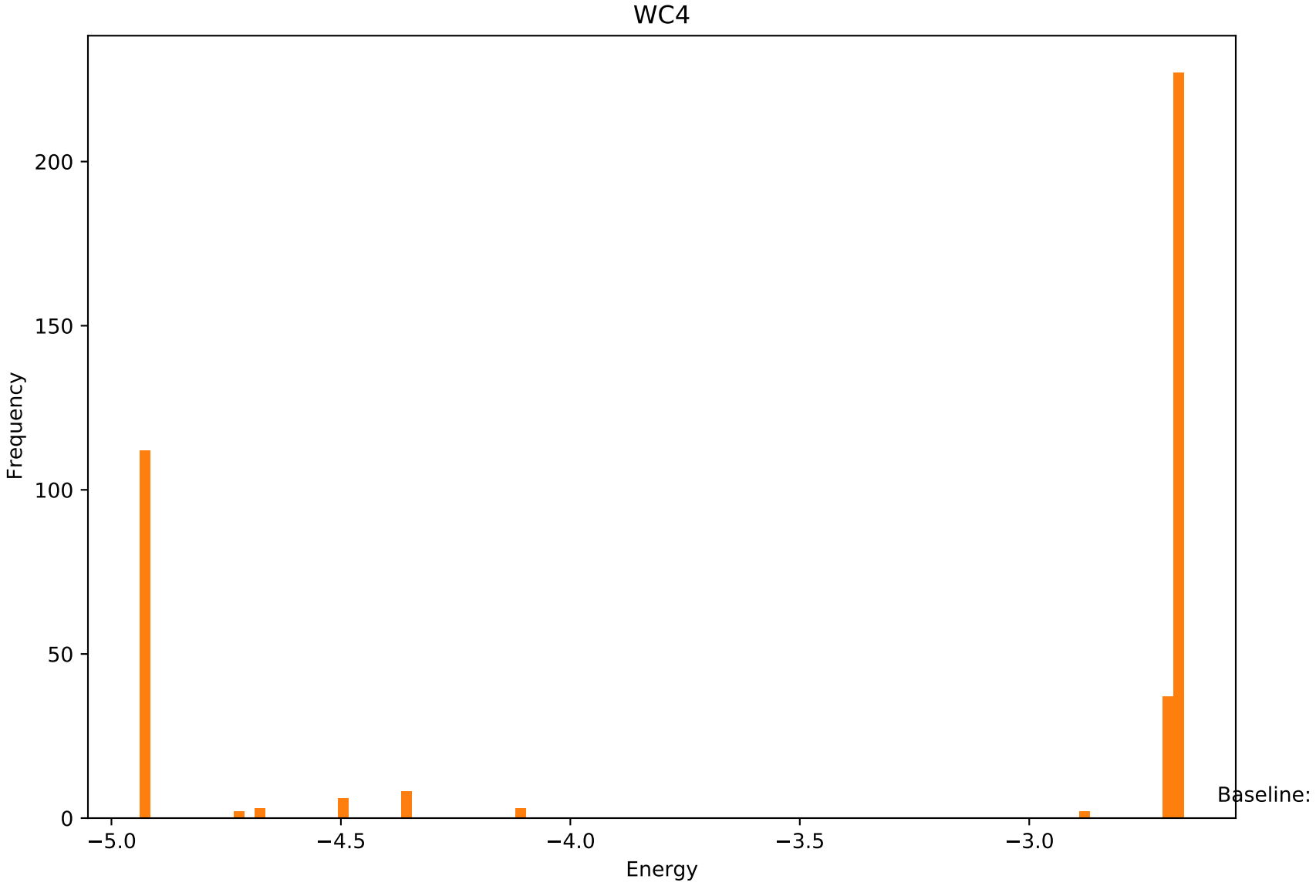

WA8
300
250
200
150
100
50
0
Frequency
−0.014
−0.012
−0.010
−0.008
−0.006
Energy

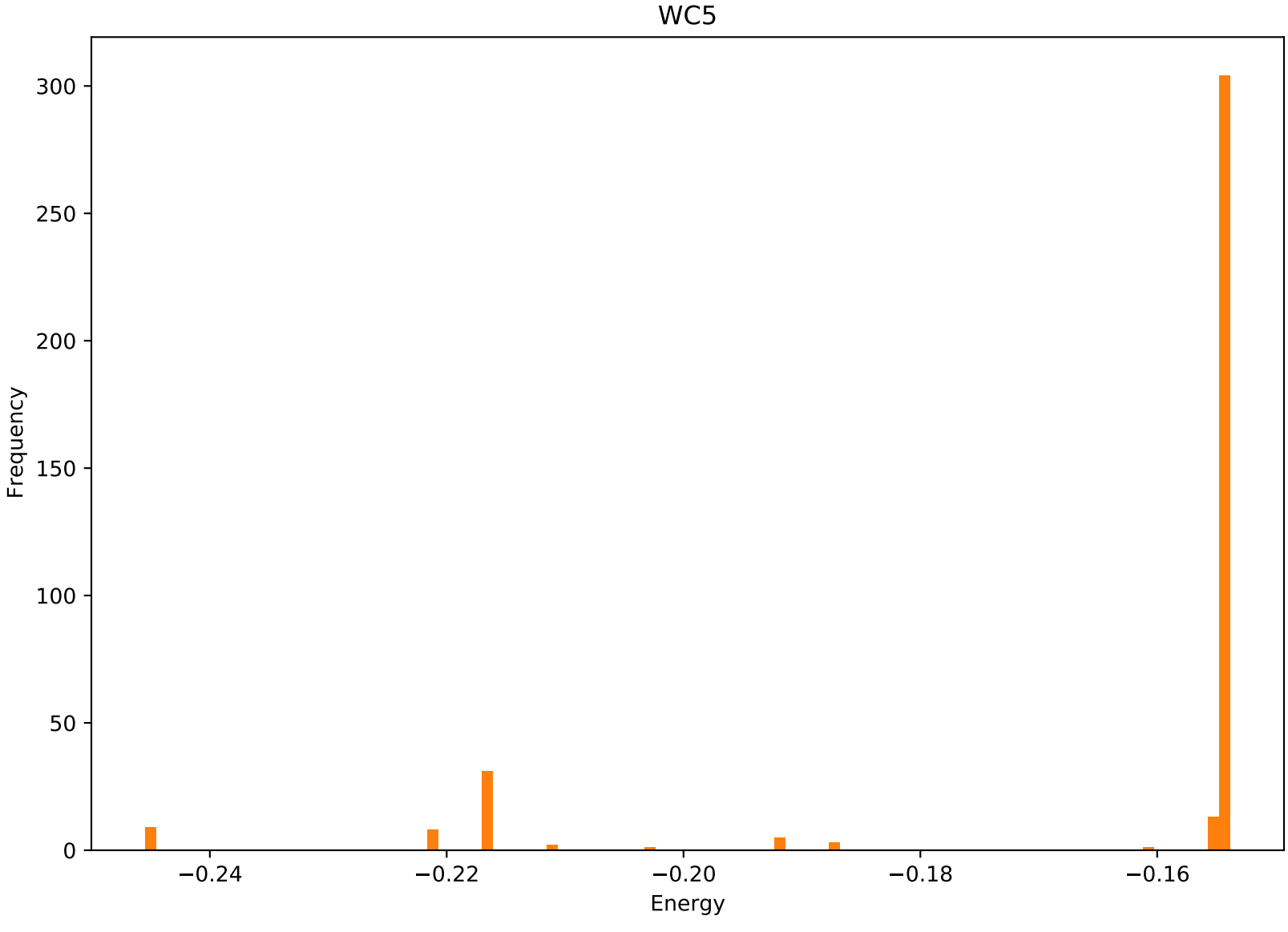

WA9
Frequency
0
10
20
30
40
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

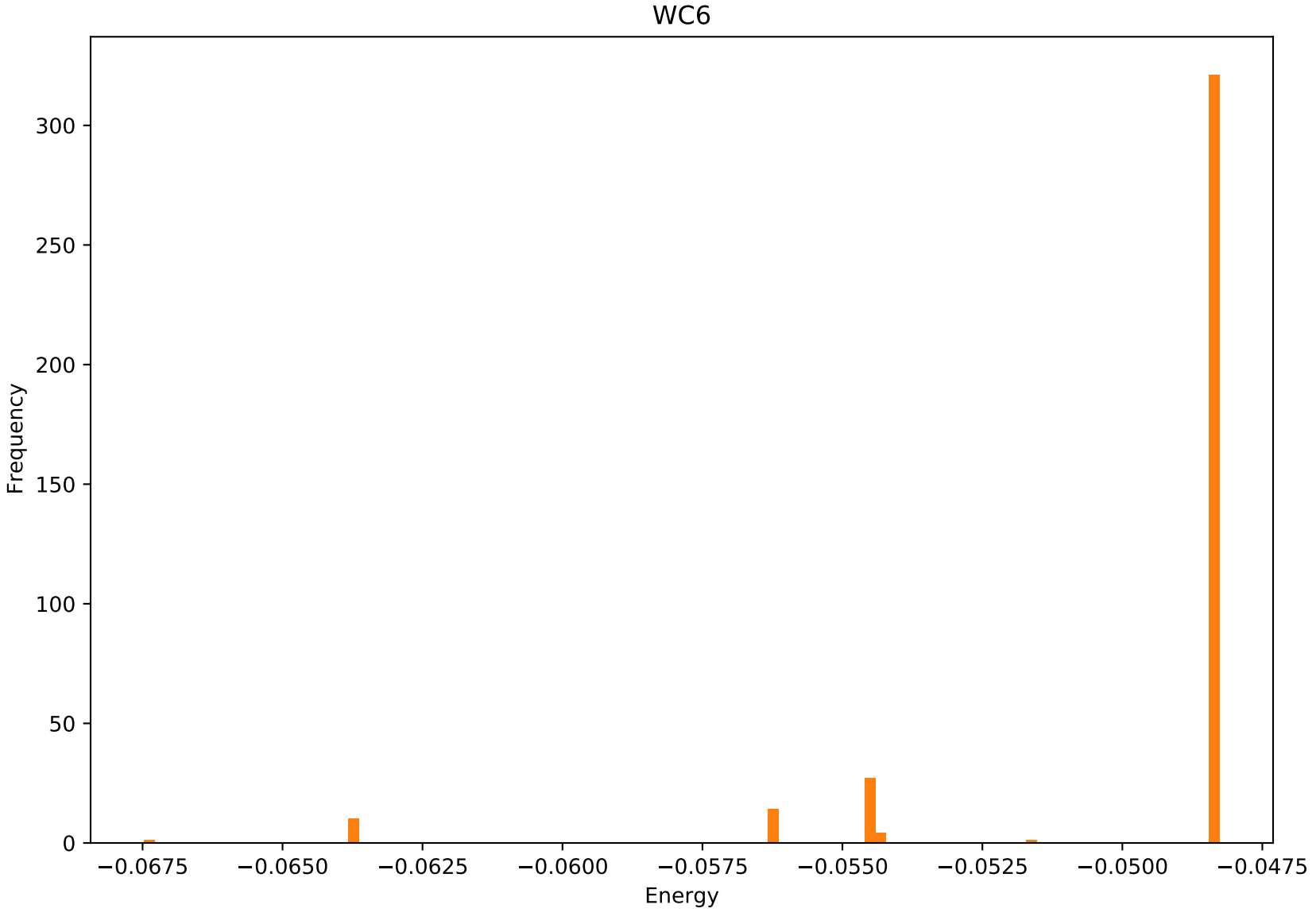

WC1
Frequency
Energy
400
350
300
250
200
150
100
50
0
−0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4

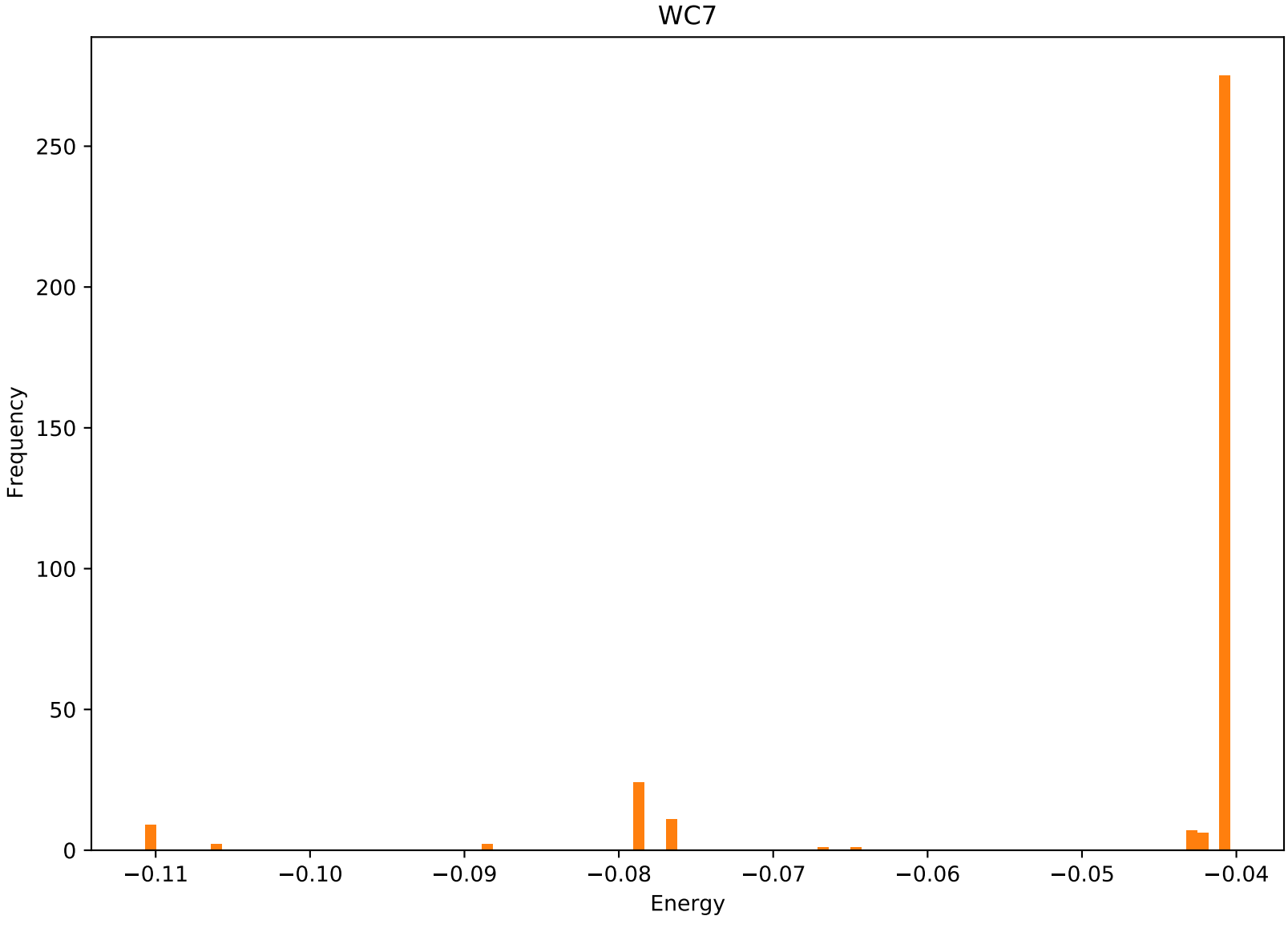

WC2
Frequency
Energy
0
20
40
60
80
100
120
140
−1.02
−1.00
−0.98
−0.96
−0.94

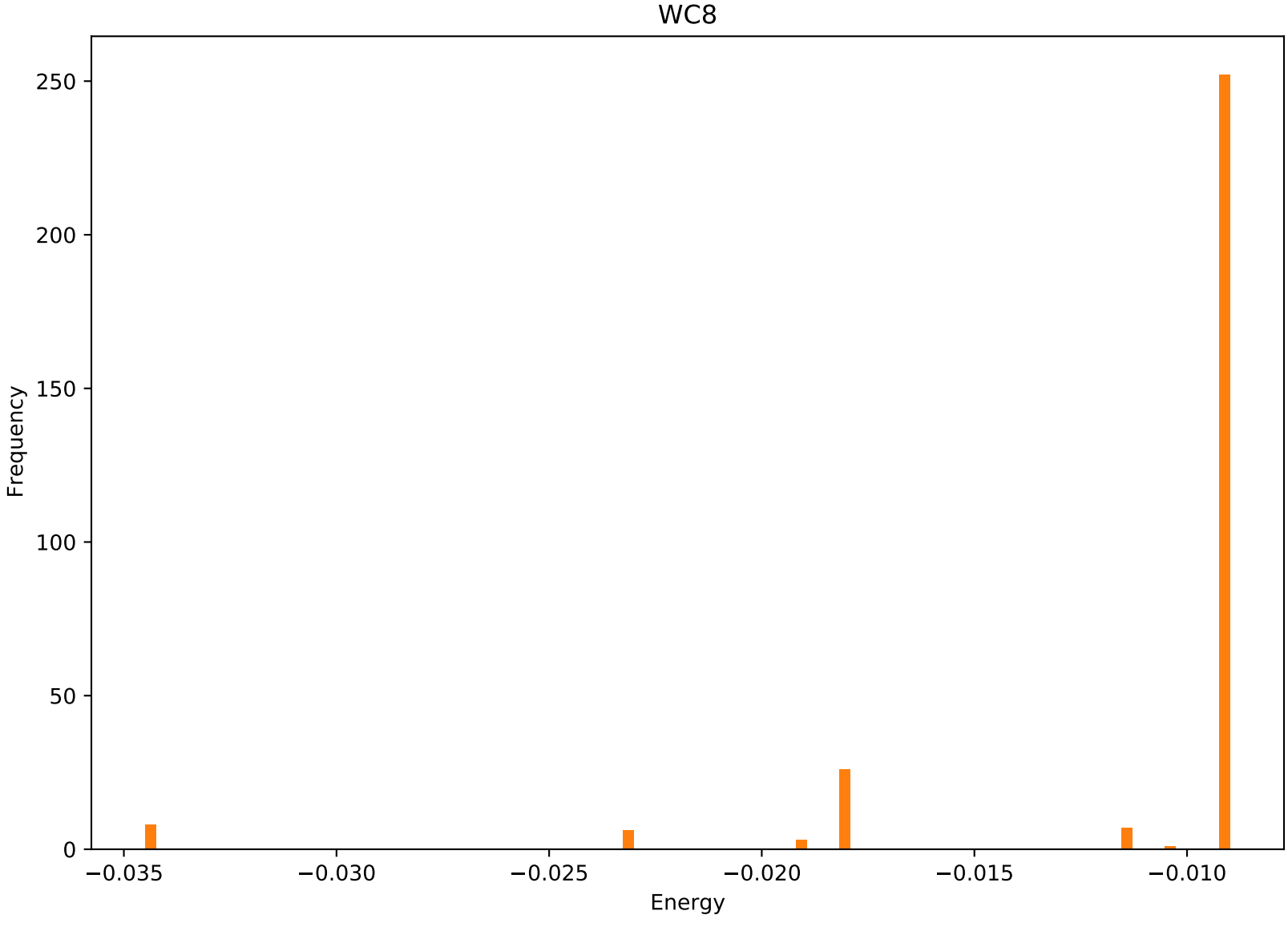

WC3
Frequency
Energy
0
20
40
60
80
100
120
140
−2.6
−2.5
−2.4
−2.3
−2.2
−2.1
−2.0

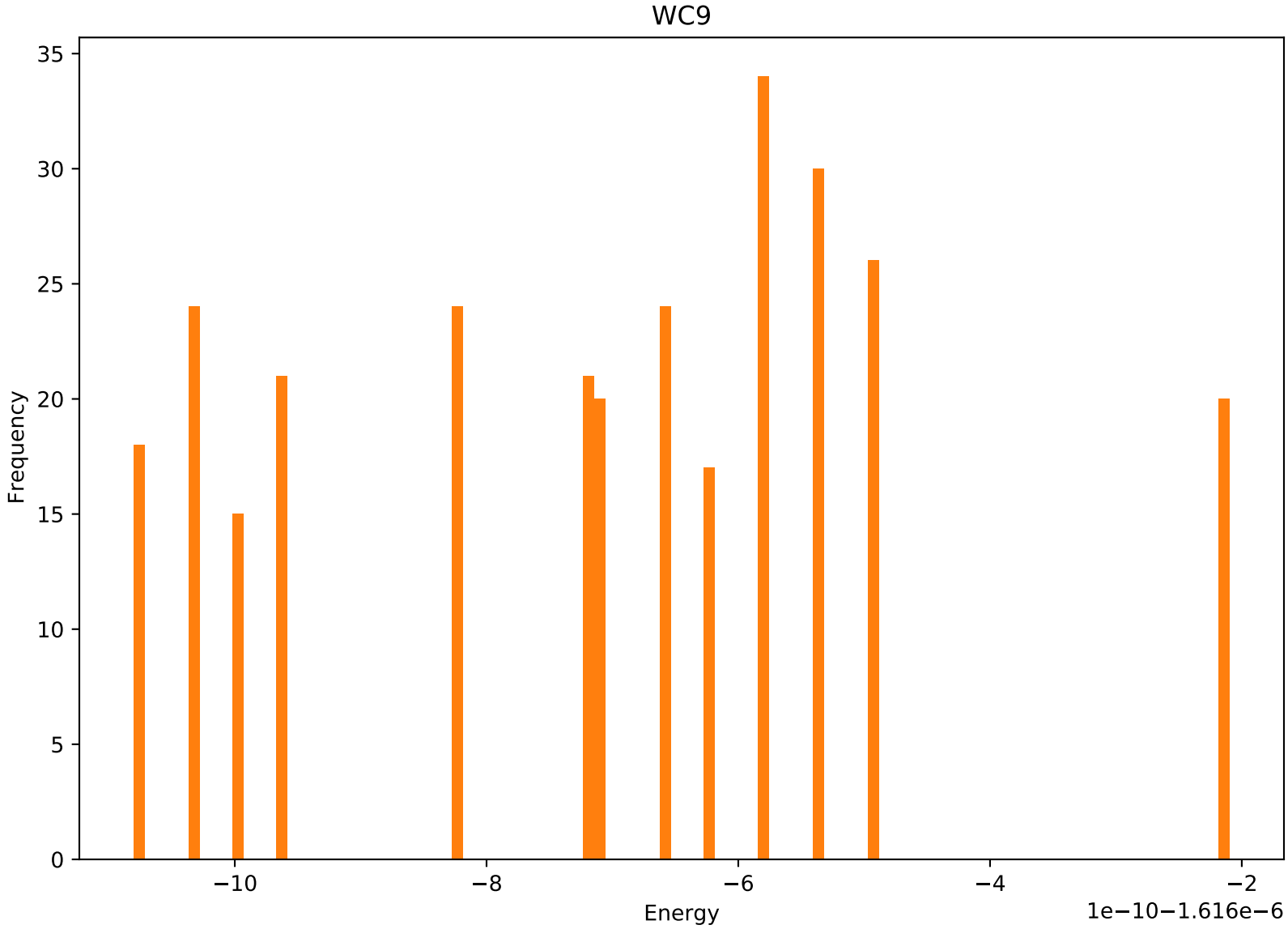

WC4
Frequency
0
50
100
150
200
−5.0
−4.5
−4.0
−3.5
−3.0
Energy
Baseline:

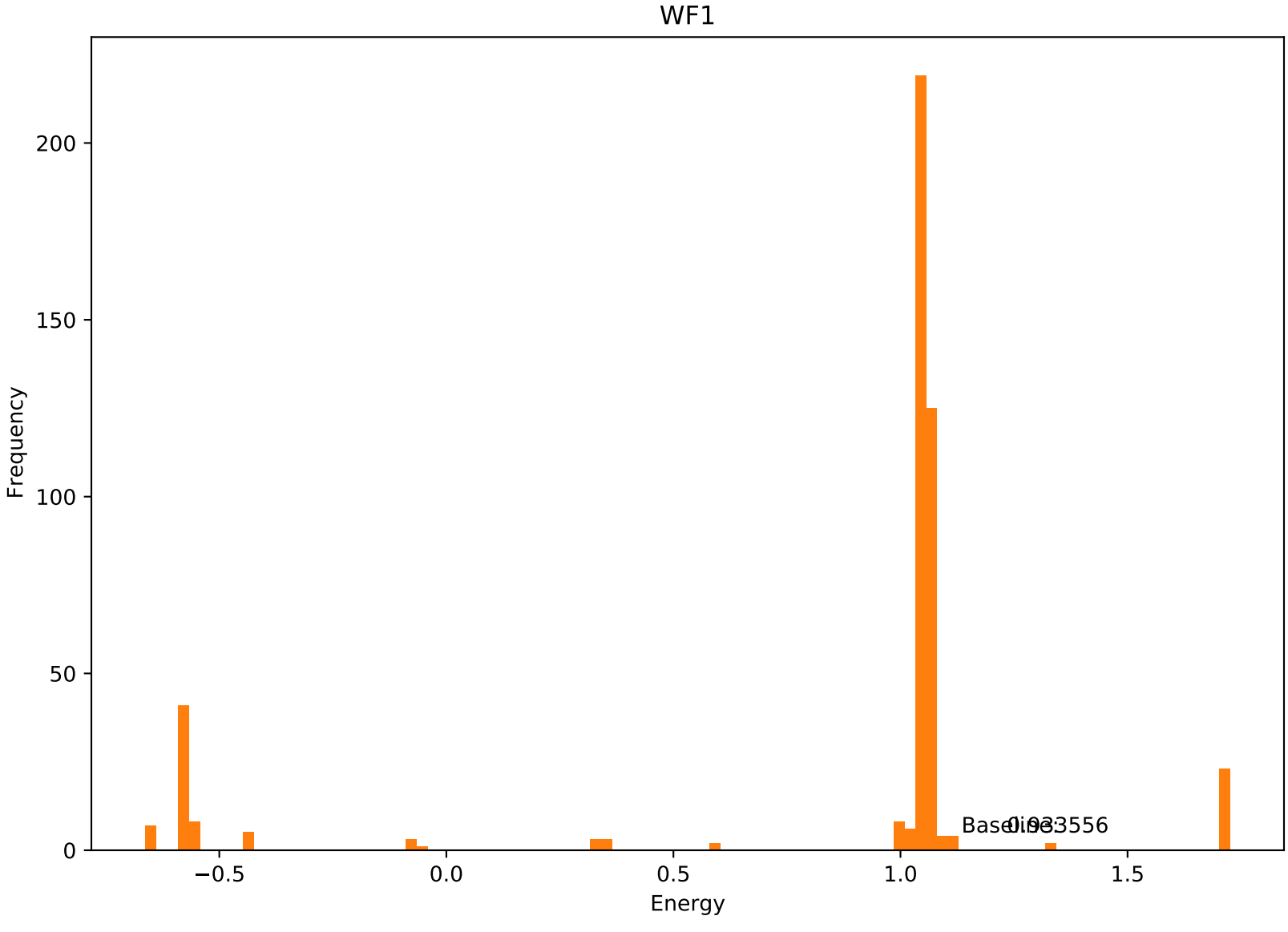

WC5
Frequency
300
250
200
150
100
50
0
−0.24
−0.22
−0.20
−0.18
−0.16
Energy

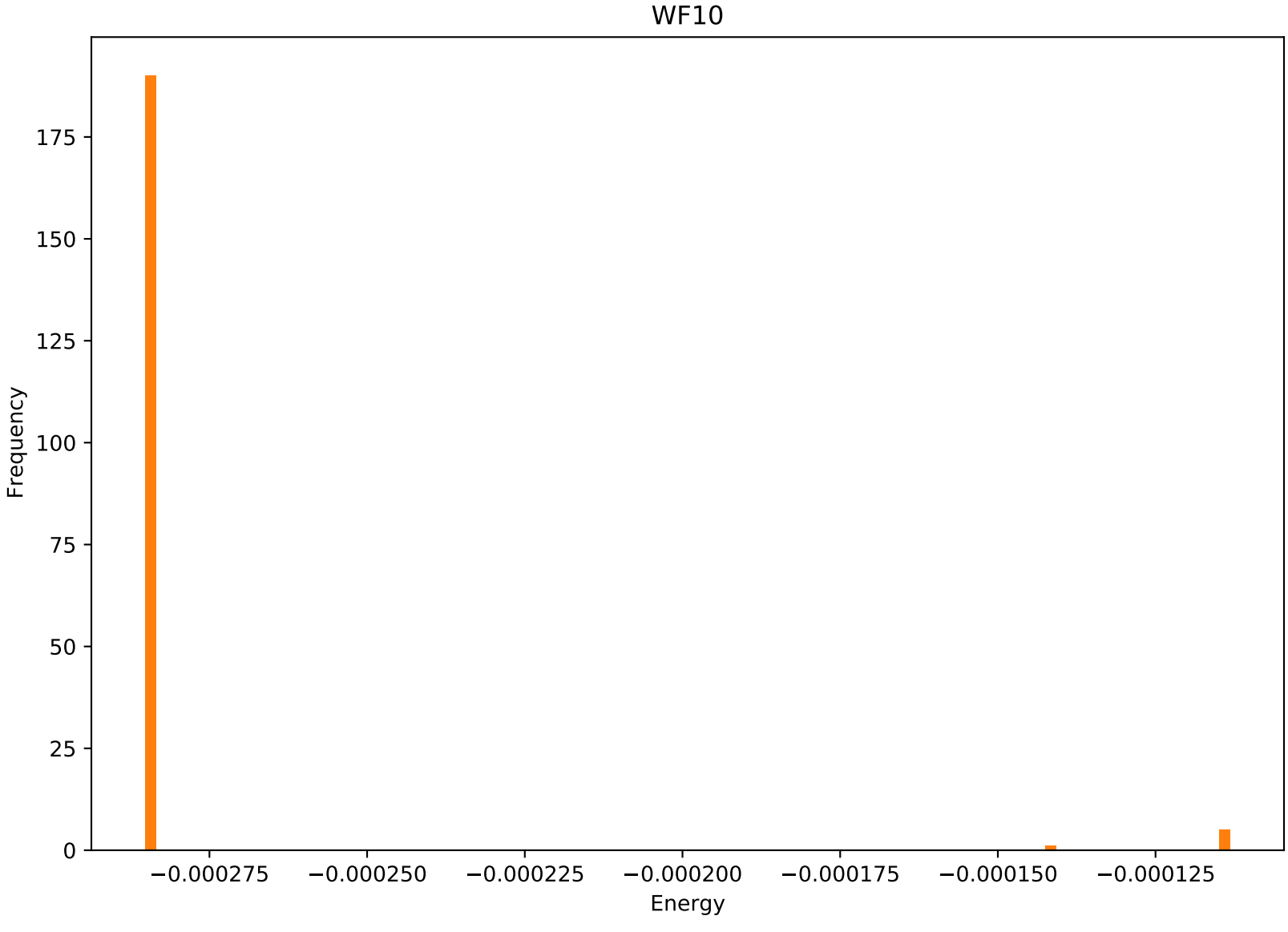

WC6
Frequency
300
250
200
150
100
50
0
−0.0675
−0.0650
−0.0625
−0.0600
−0.0575
−0.0550
−0.0525
−0.0500
−0.0475
Energy

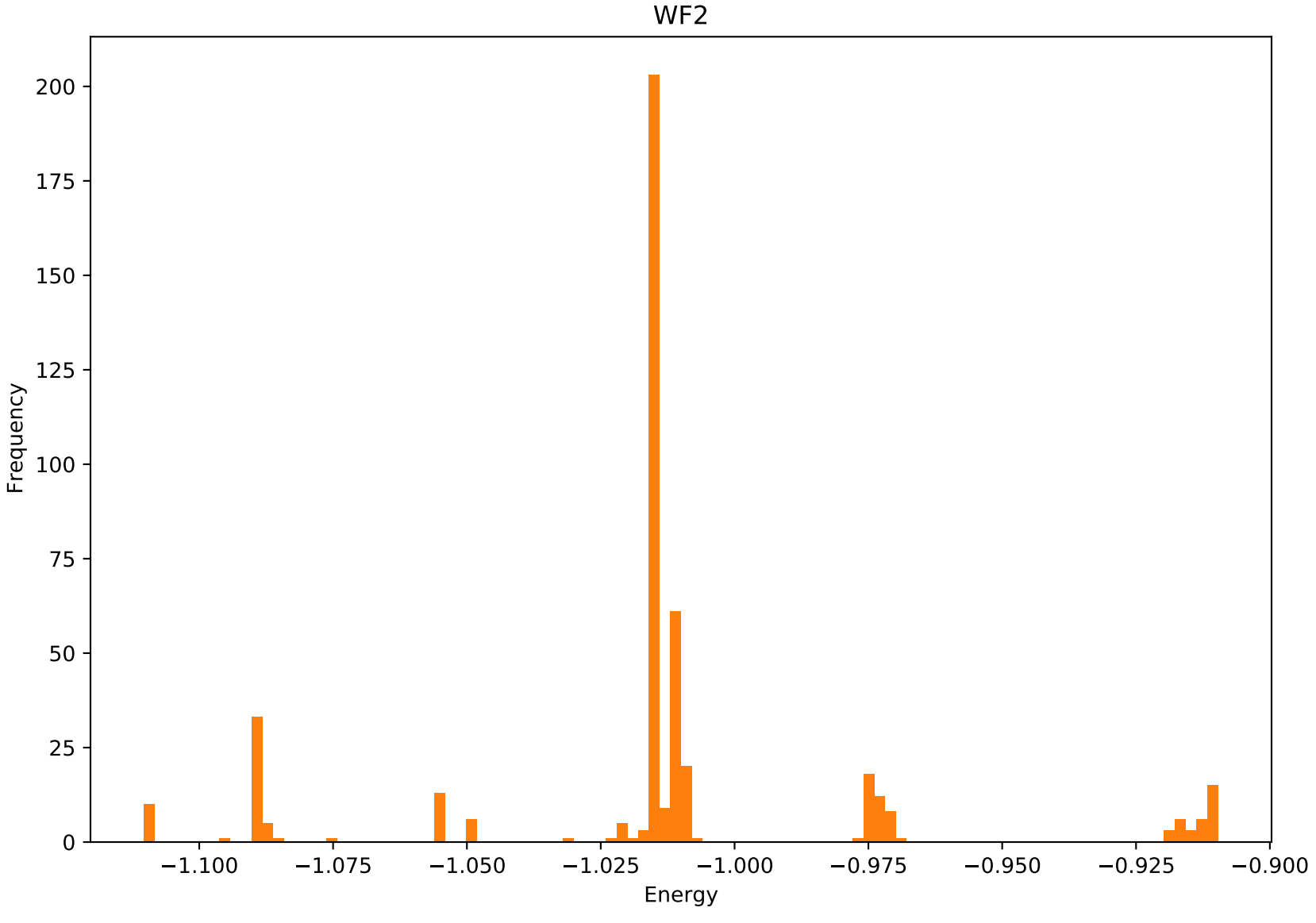

WC7
Frequency
Energy
0
50
100
150
200
250
−0.11
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

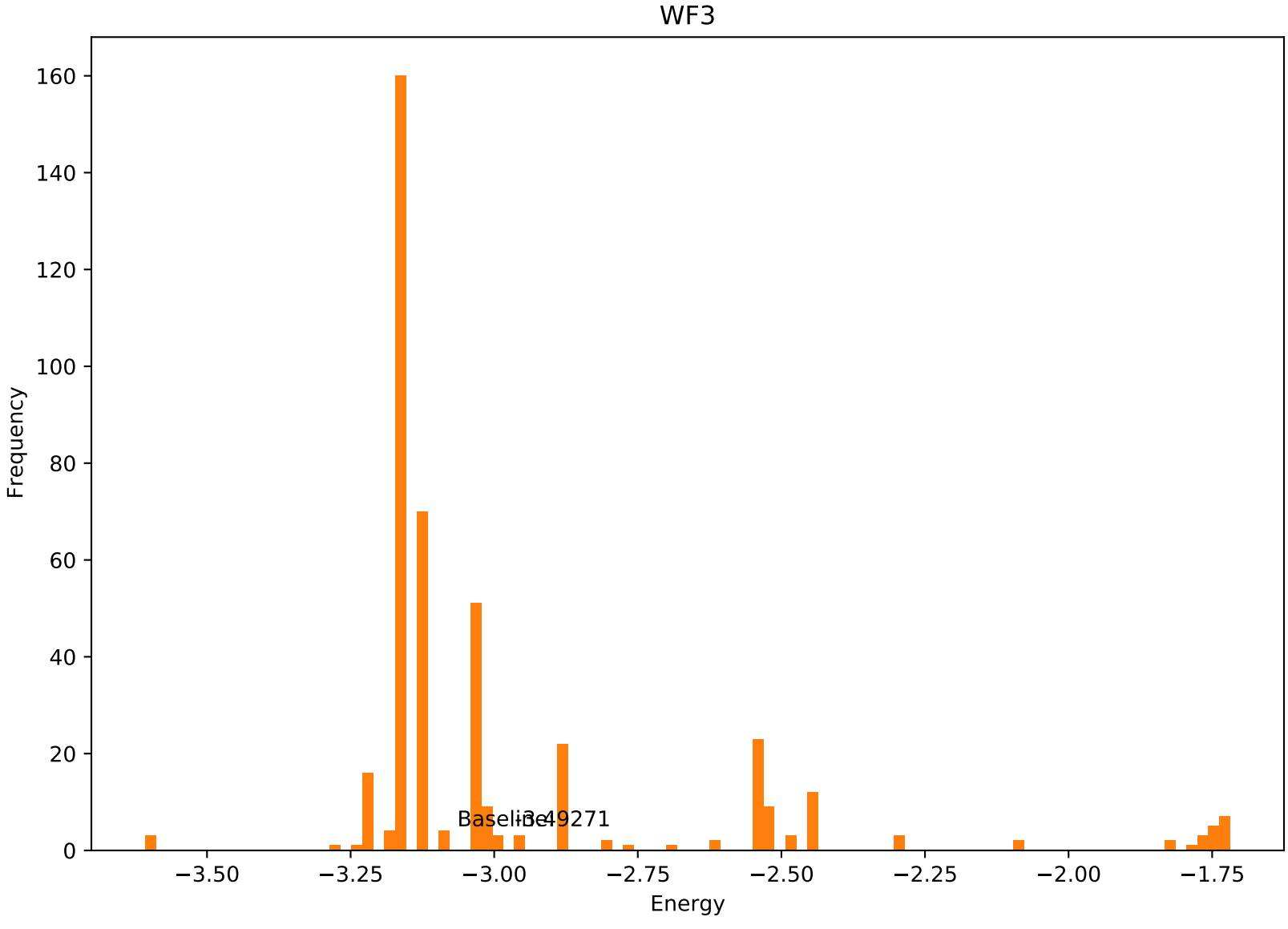

WC8
Frequency
250
200
150
100
50
0
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
Energy

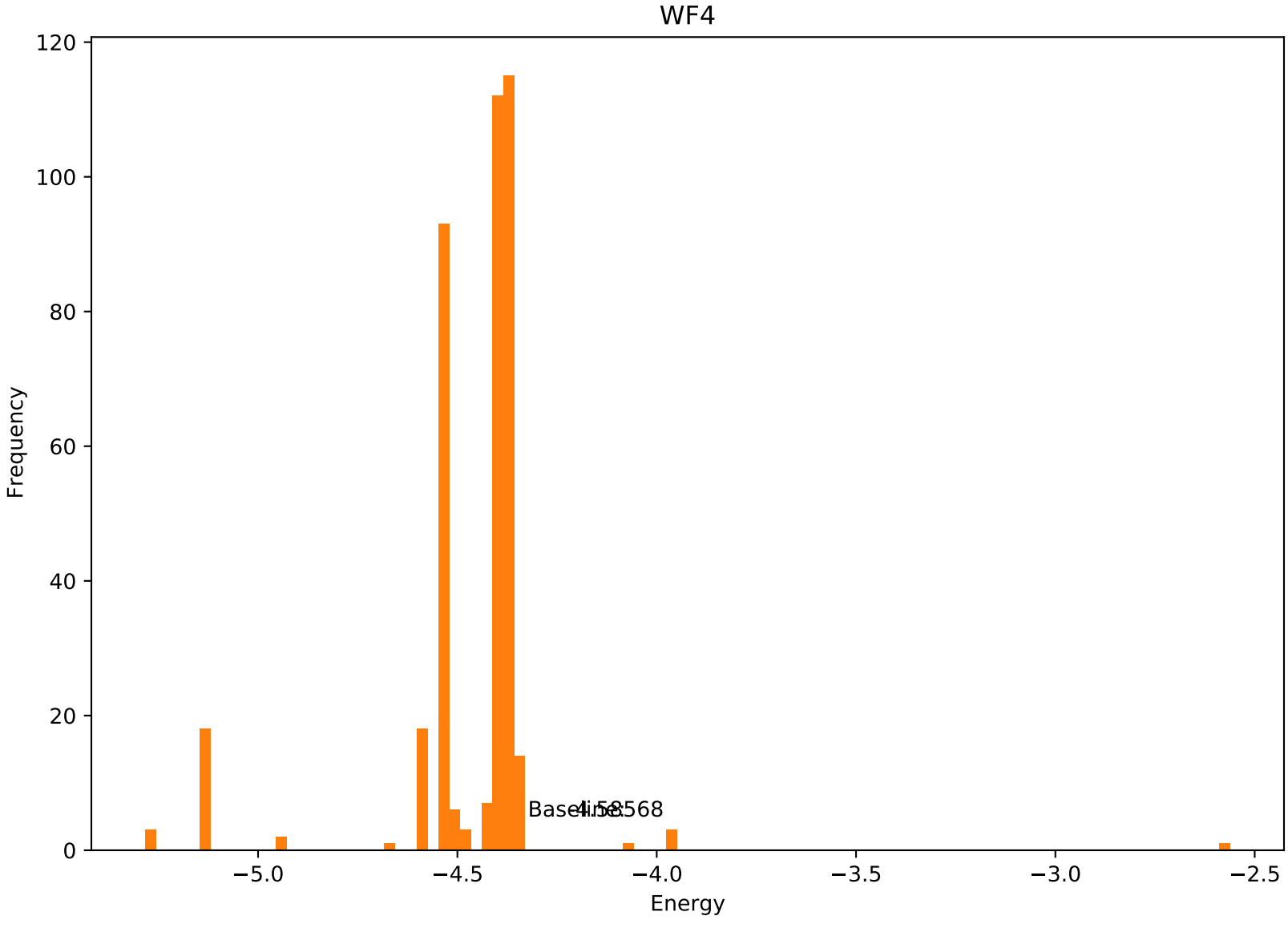

WC9
Frequency
Energy
1e−10−1.616e−6
0
5
10
15
20
25
30
35
−10
−8
−6
−4
−2

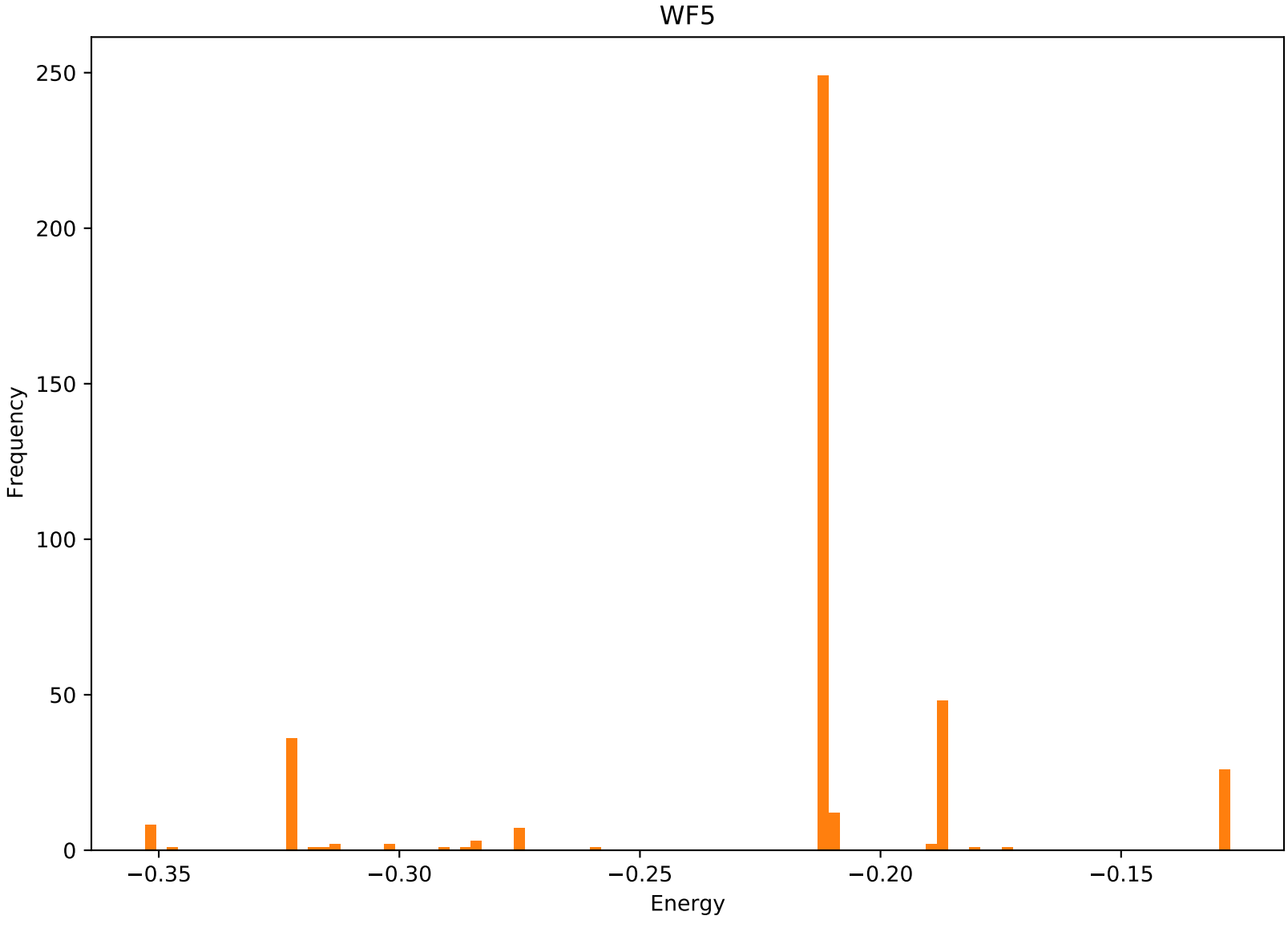

WF1
200
150
100
50
0
Frequency
−0.5
0.0
0.5
1.0
1.5
Energy

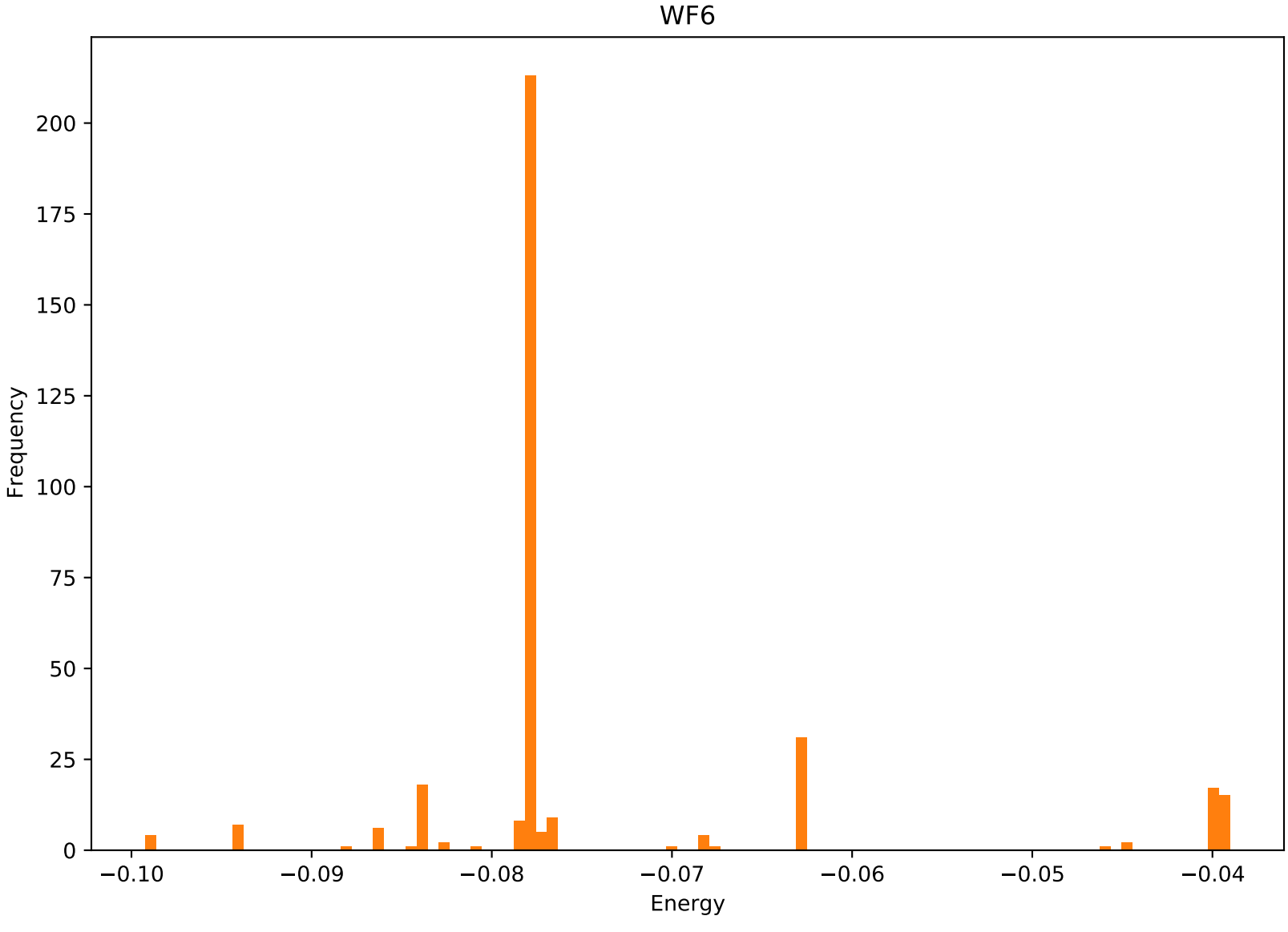

WF10
Frequency
175
150
125
100
75
50
25
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

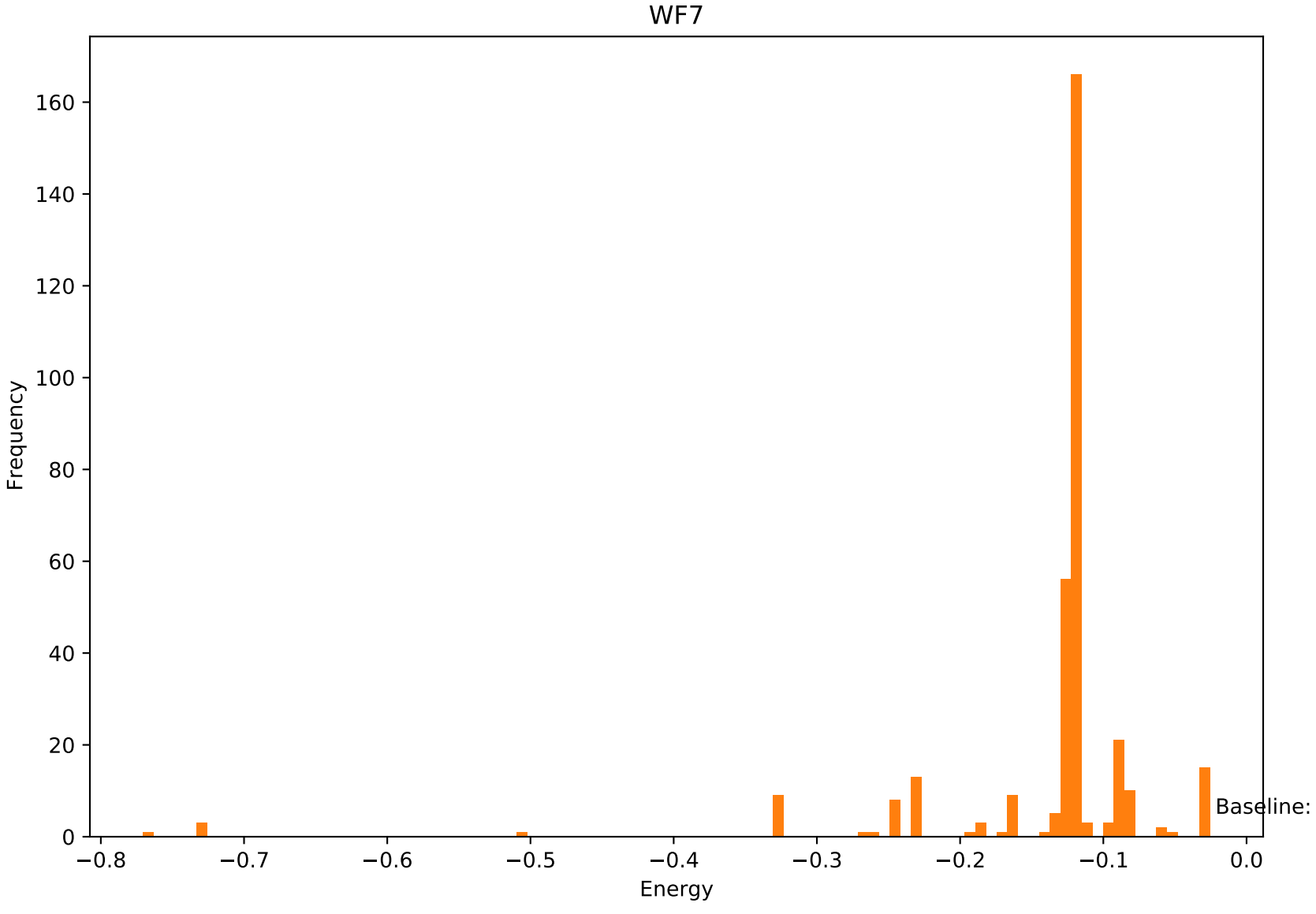

WF2
Frequency
200
175
150
125
100
75
50
25
0
−1.100
−1.075
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900
Energy

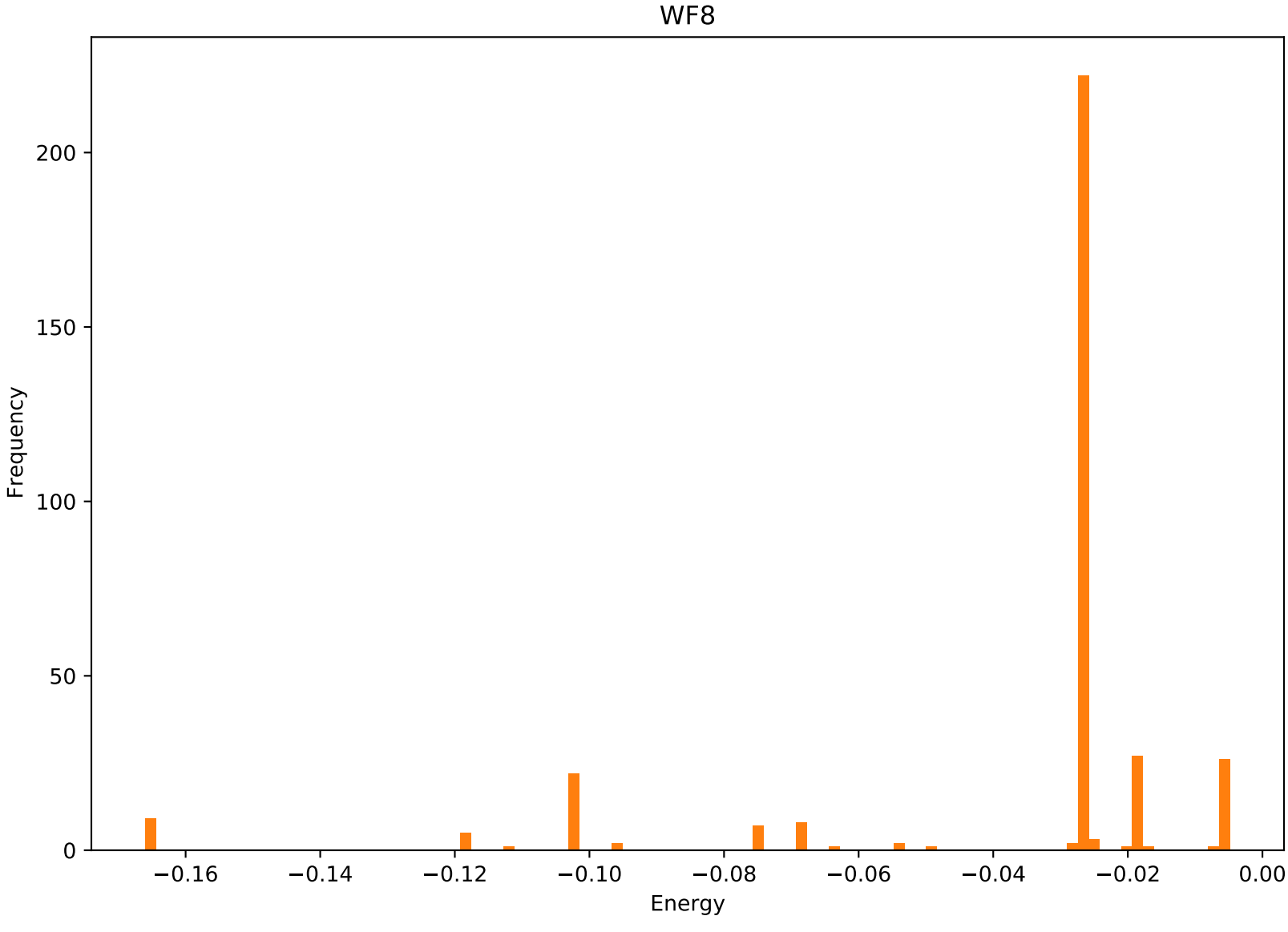

WF3
Frequency
Energy
Baseline: -3.49271
160
140
120
100
80
60
40
20
0
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
−1.75

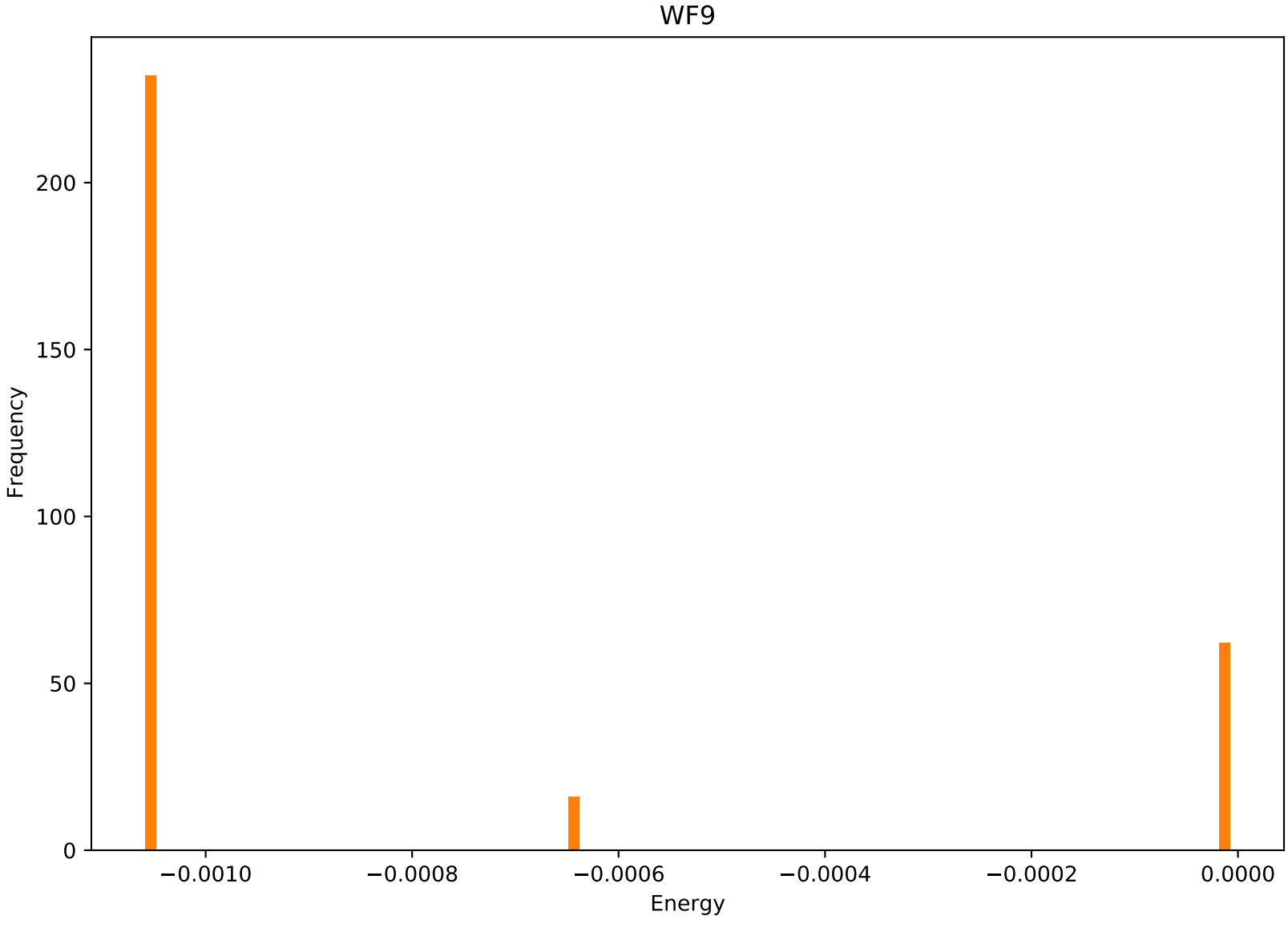

WF4
120
100
80
60
40
20
0
Frequency
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
Energy

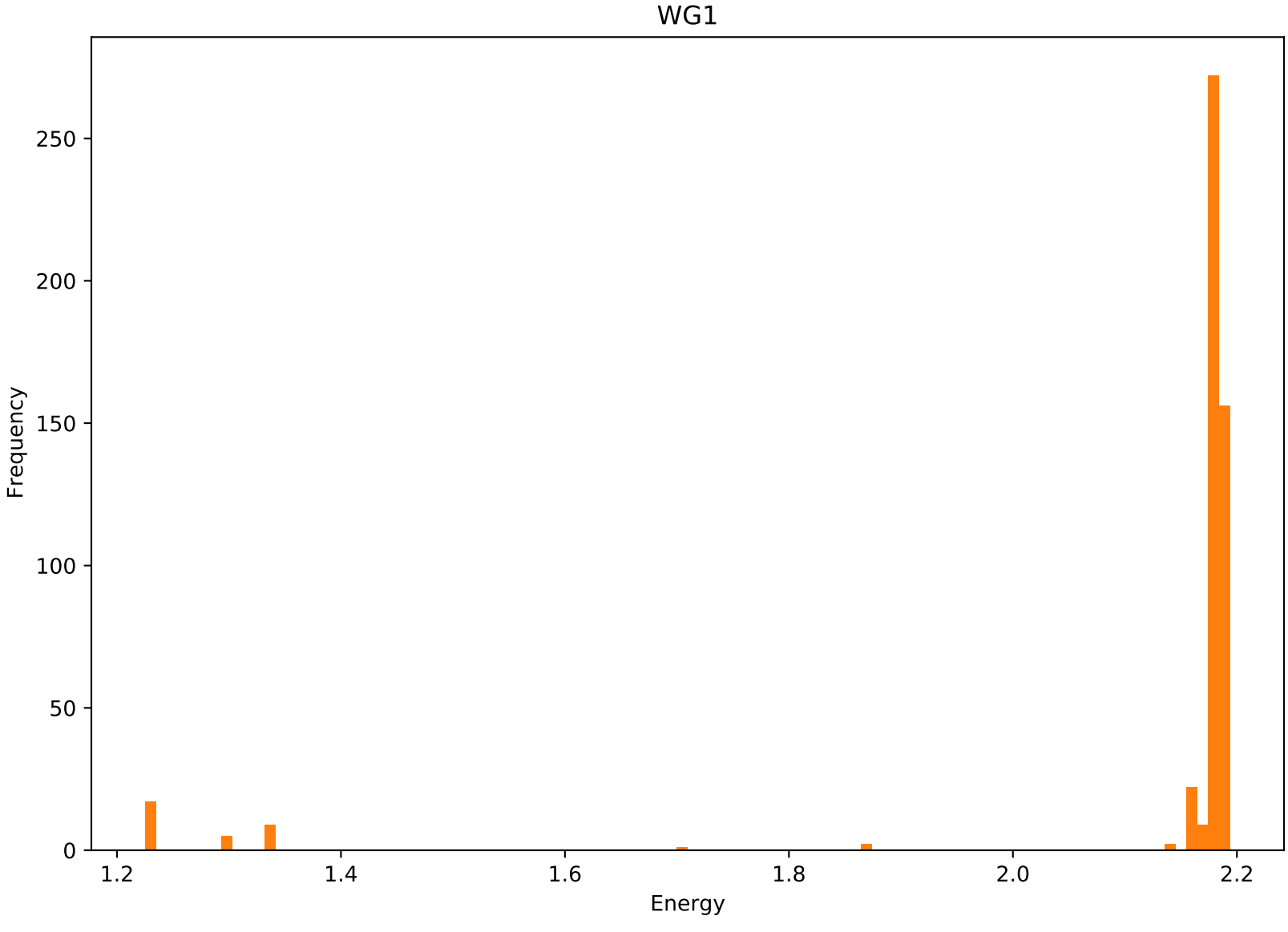

WF5
250
200
150
100
50
0
Frequency
−0.35
−0.30
−0.25
−0.20
−0.15
Energy

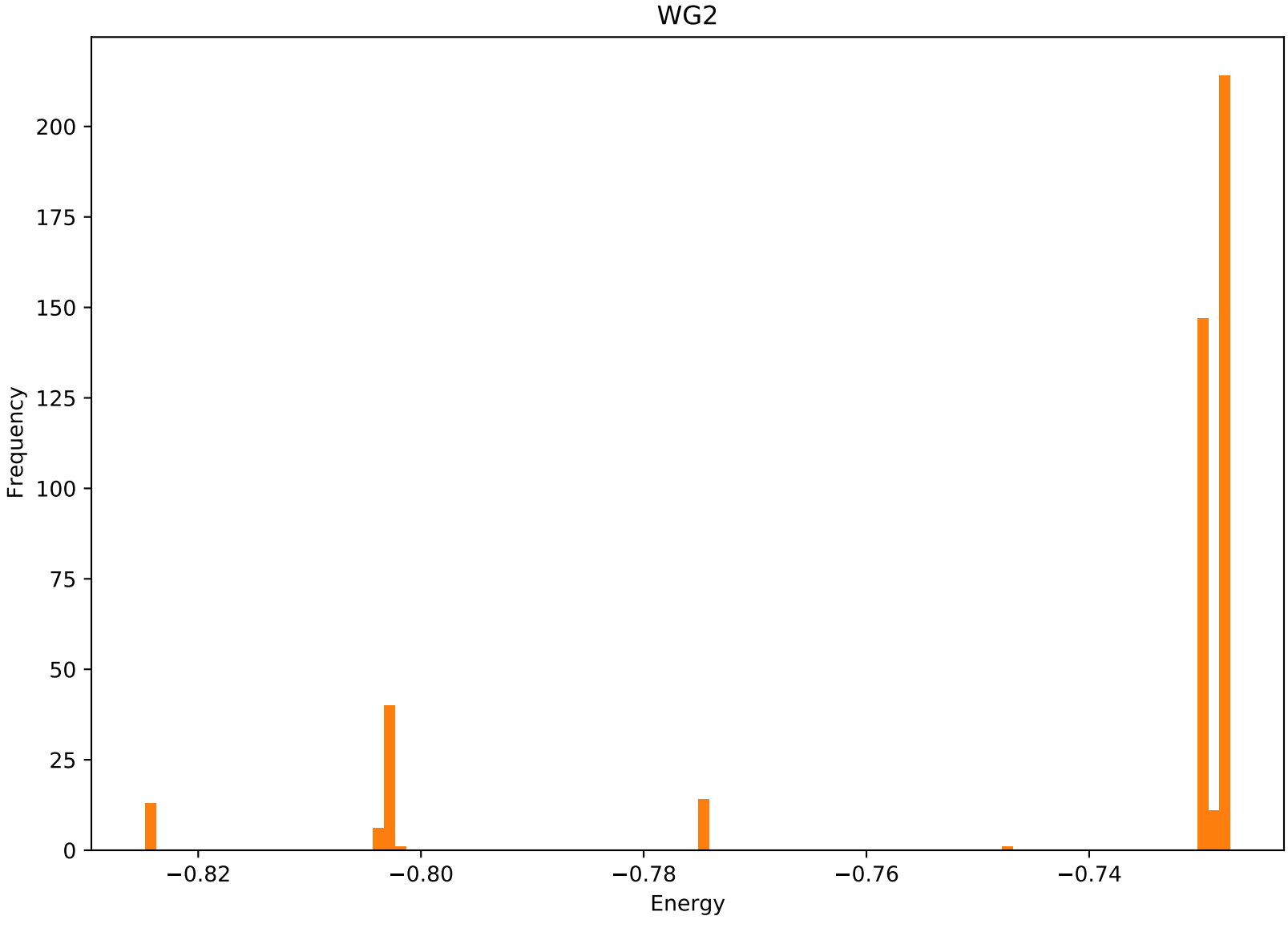

WF6
Frequency
200
175
150
125
100
75
50
25
0
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

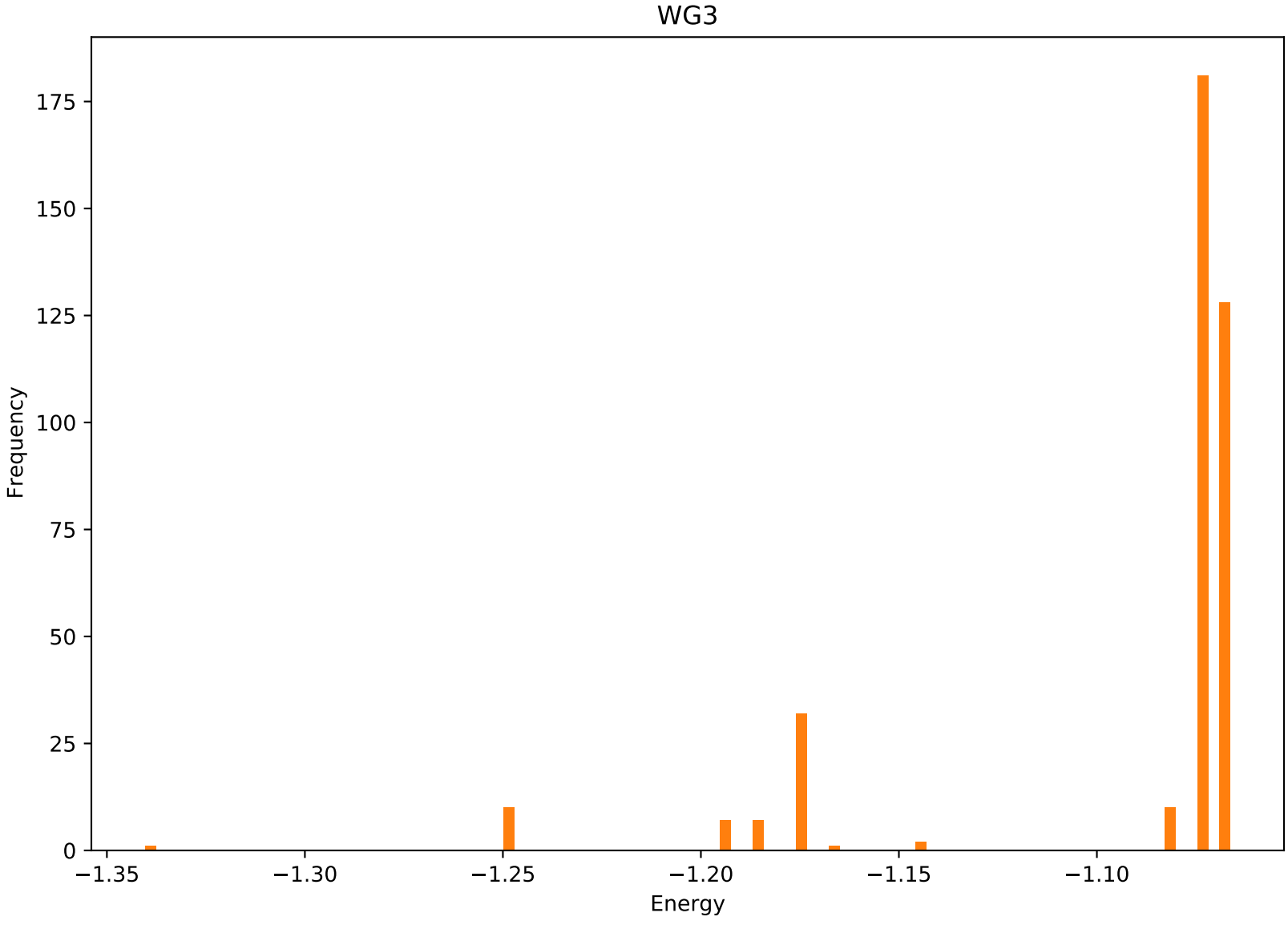

WF7
Frequency
Energy
0
20
40
60
80
100
120
140
160
−0.8
−0.7
−0.6
−0.5
−0.4
−0.3
−0.2
−0.1
0.0
Baseline:

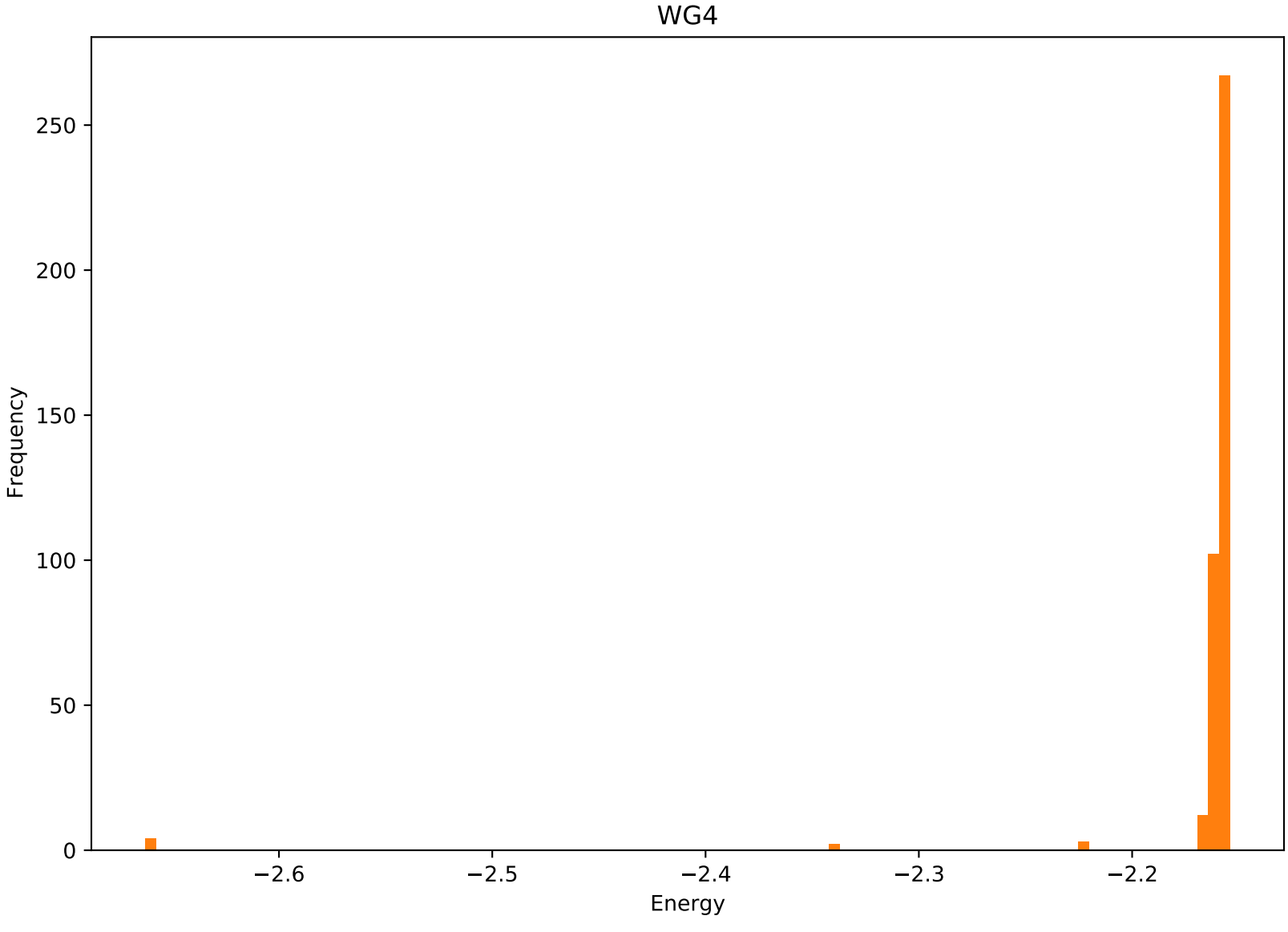

WF8
Frequency
200
150
100
50
0
−0.16
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
−0.02
0.00
Energy

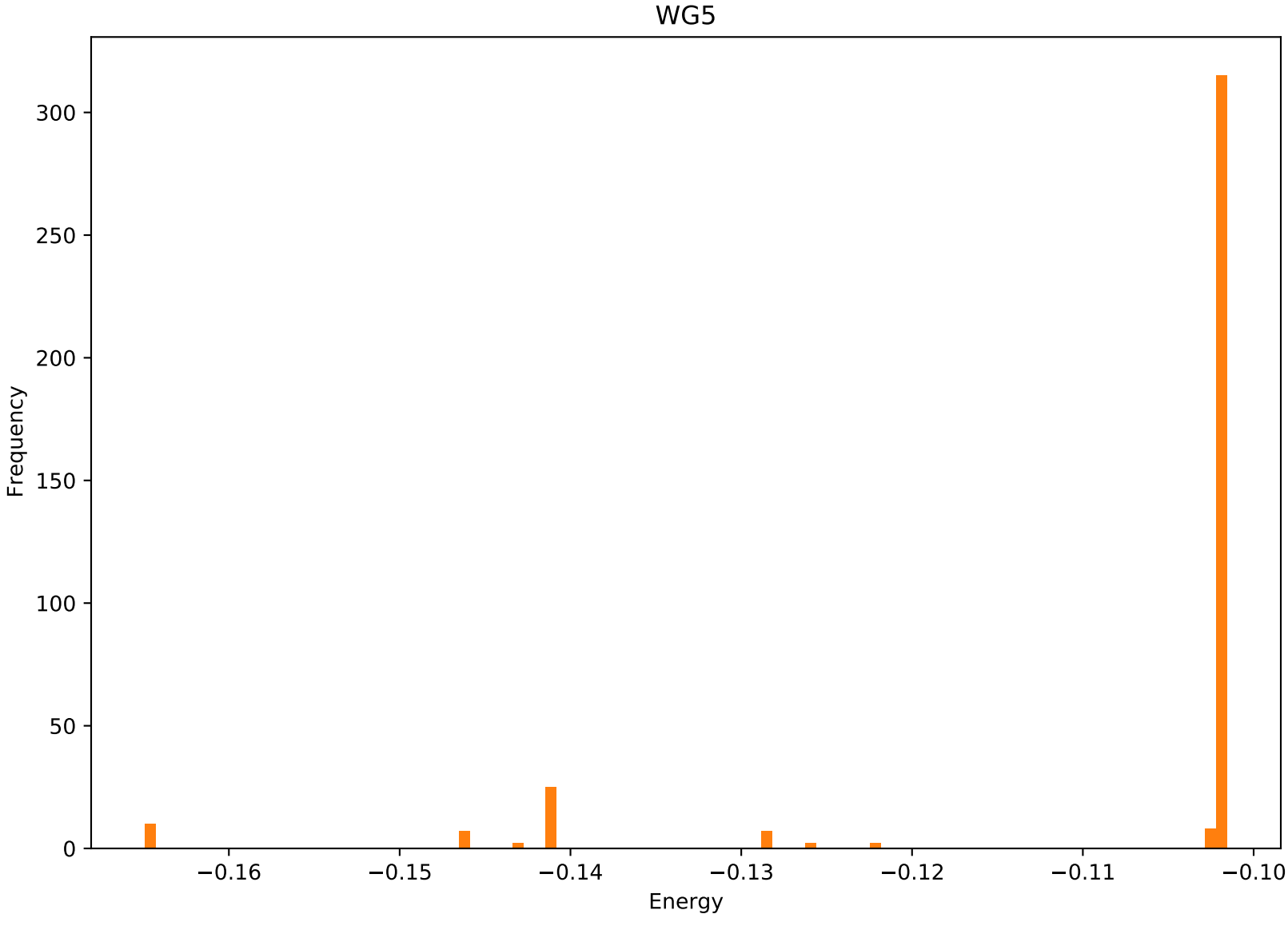

WF9
Frequency
200
150
100
50
0
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

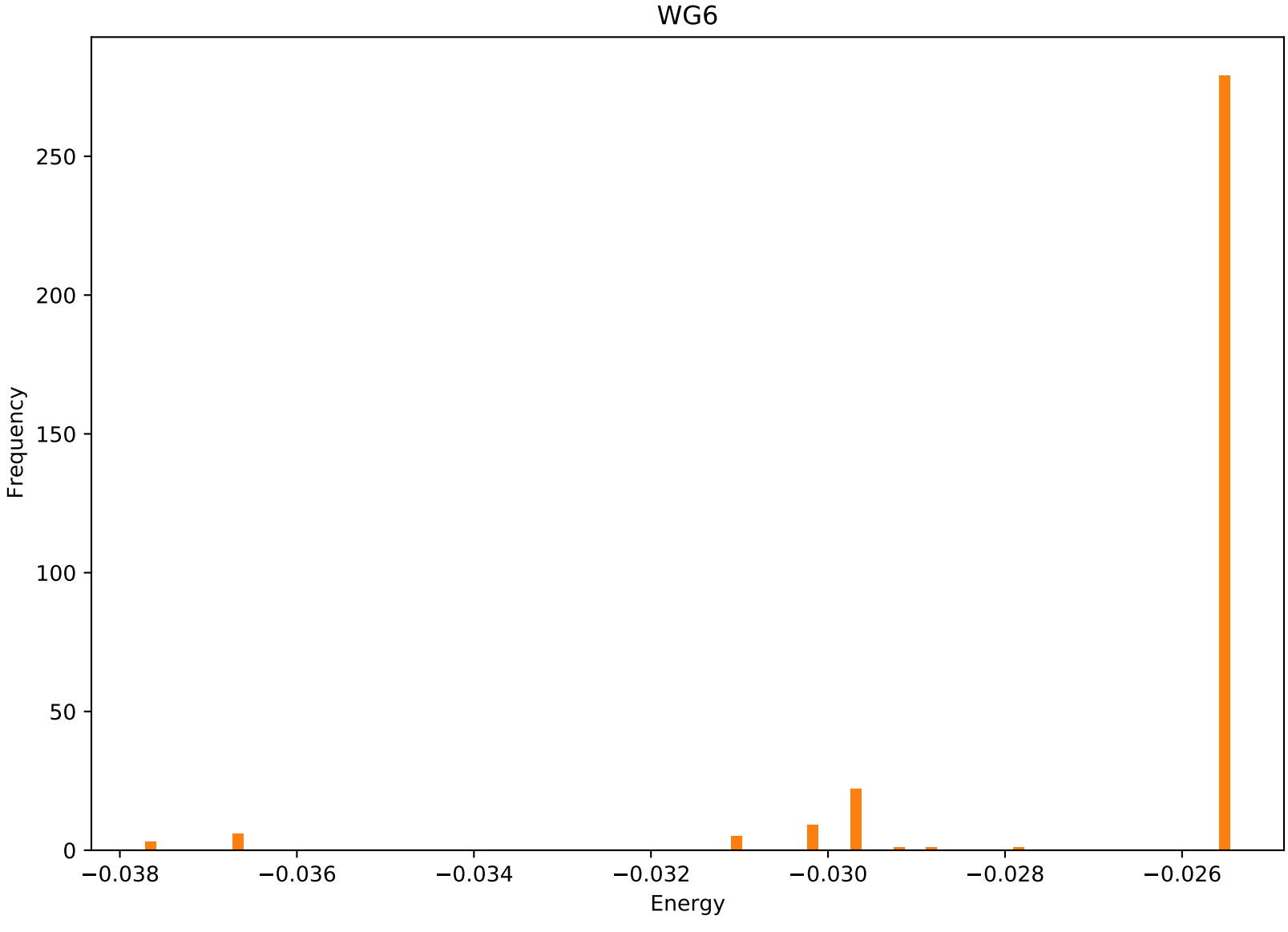

WG1
Frequency
250
200
150
100
50
0
1.2
1.4
1.6
1.8
2.0
2.2
Energy

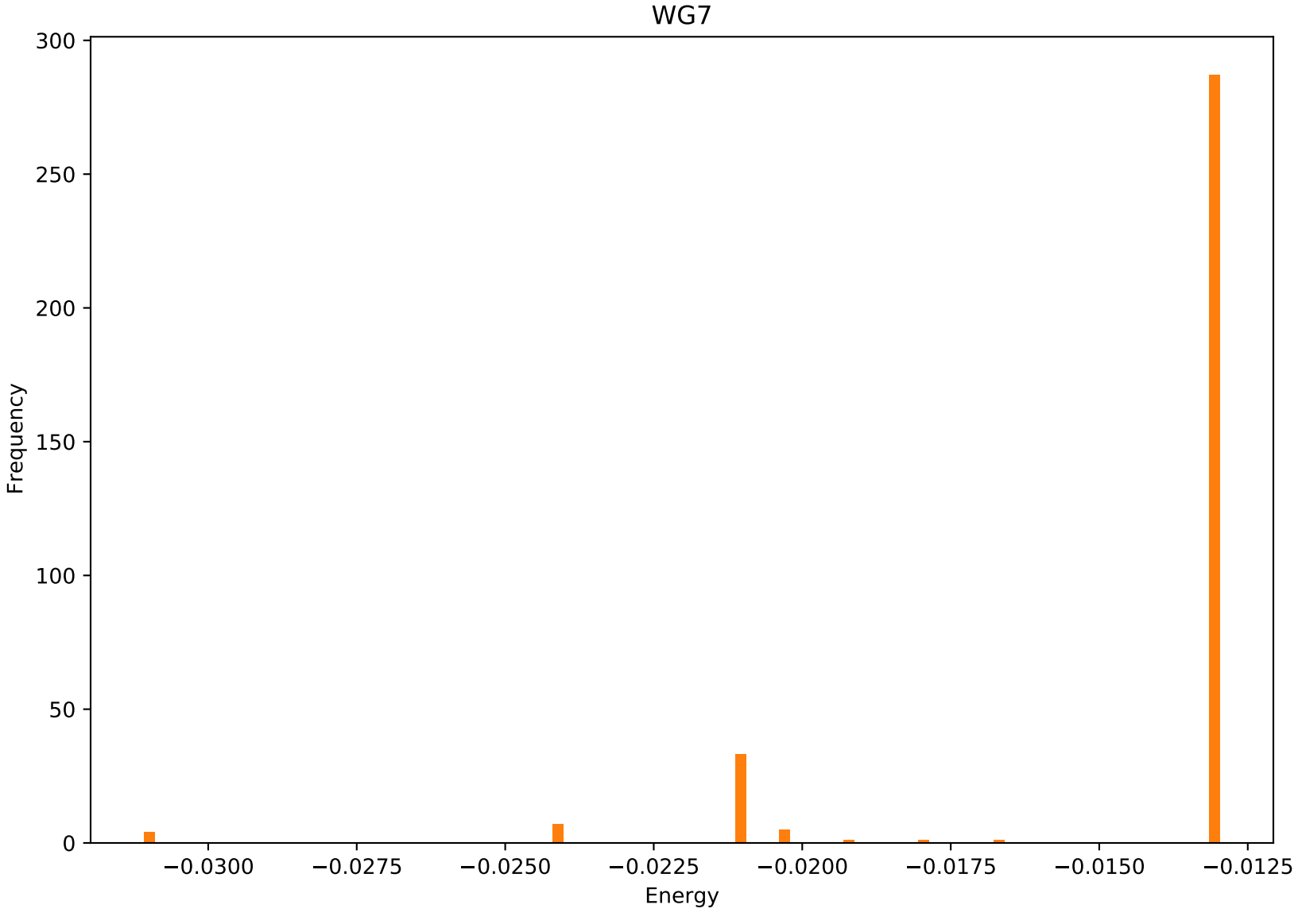

WG2
Frequency
200
175
150
125
100
75
50
25
0
−0.82
−0.80
−0.78
−0.76
−0.74
Energy

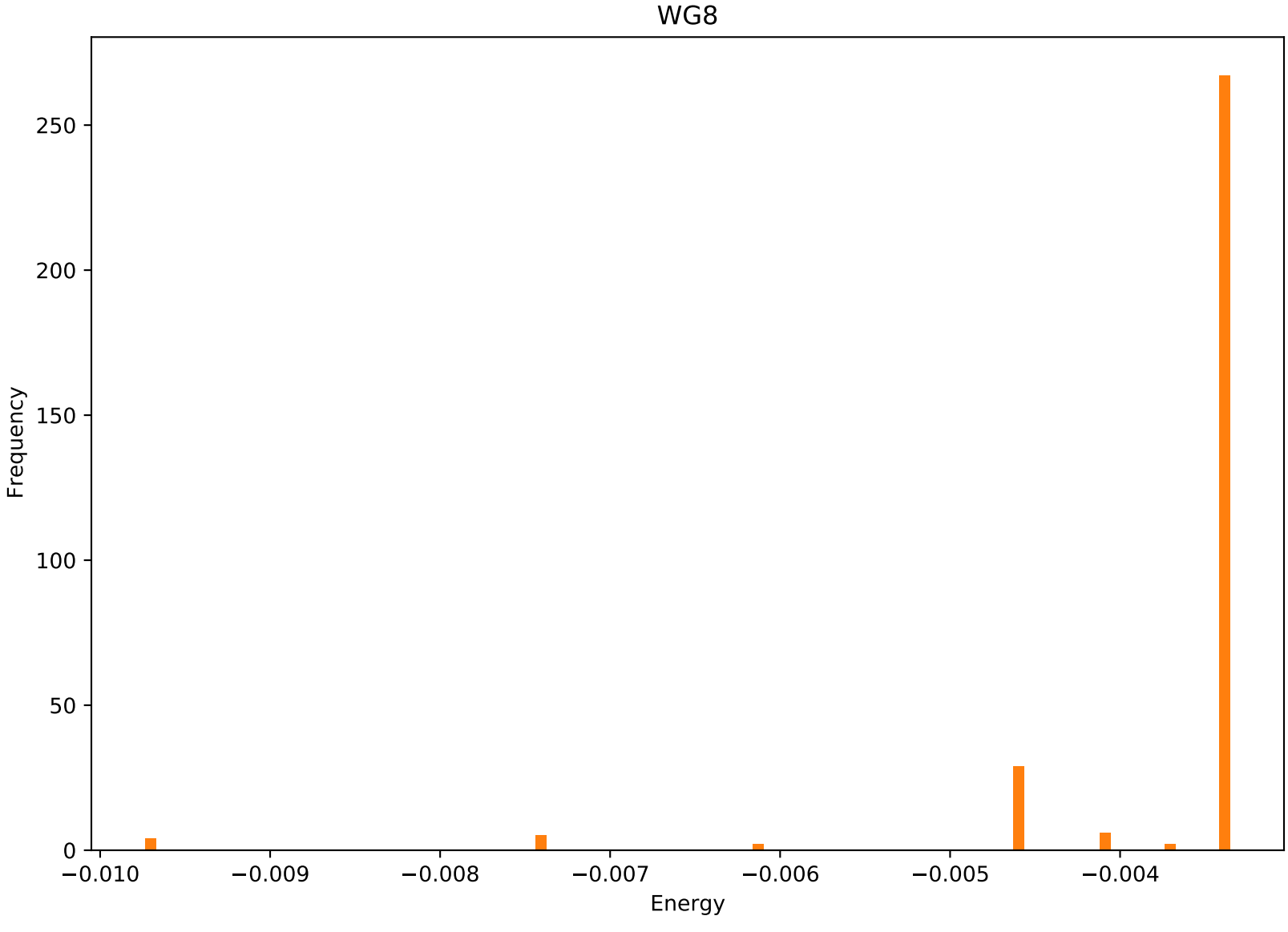

WG3
Frequency
Energy
0
25
50
75
100
125
150
175
−1.35
−1.30
−1.25
−1.20
−1.15
−1.10

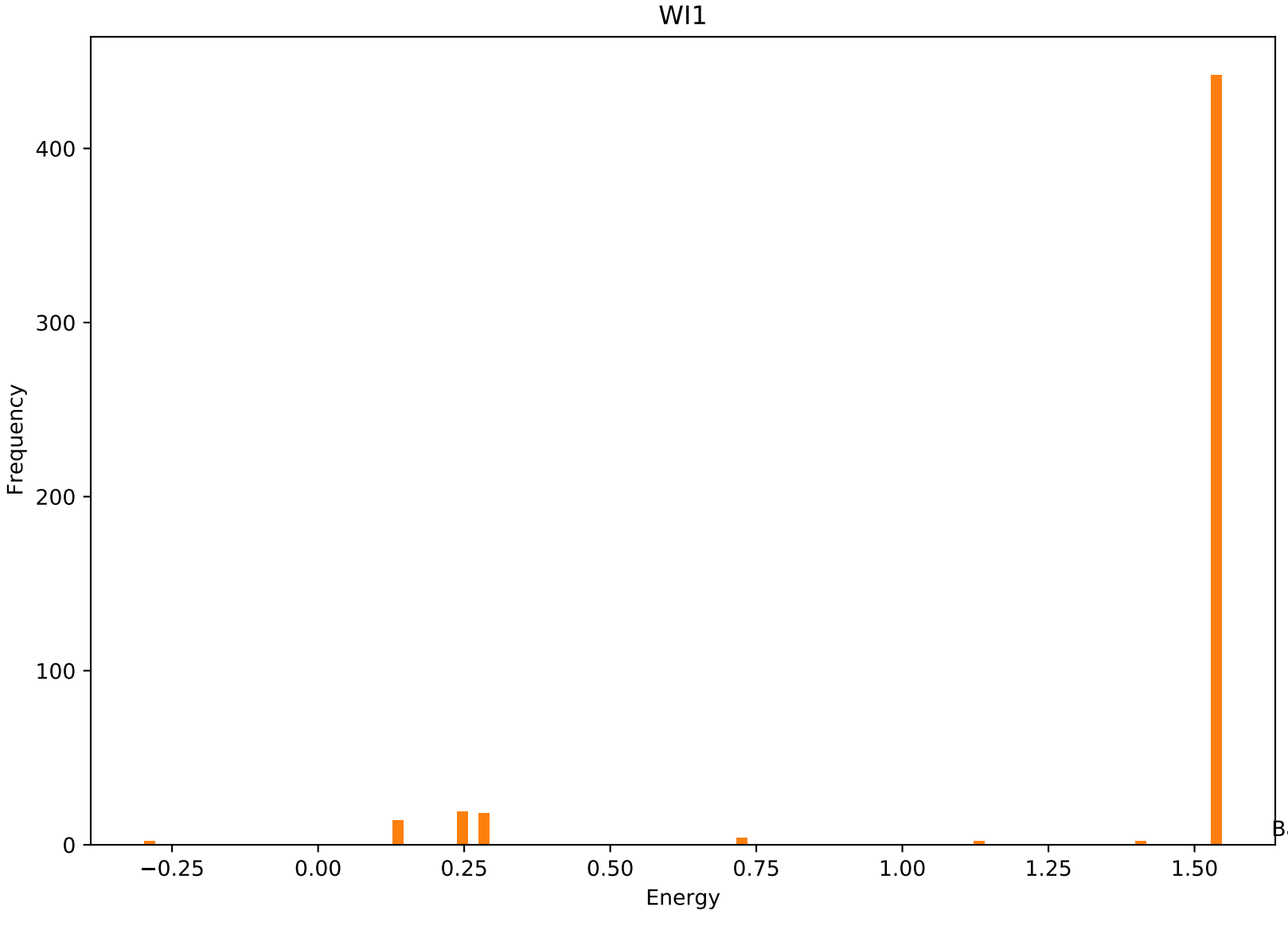

WG4
Frequency
250
200
150
100
50
0
−2.6
−2.5
−2.4
−2.3
−2.2
Energy


WG5
Frequency
300
250
200
150
100
50
0
−0.16
−0.15
−0.14
−0.13
−0.12
−0.11
−0.10
Energy

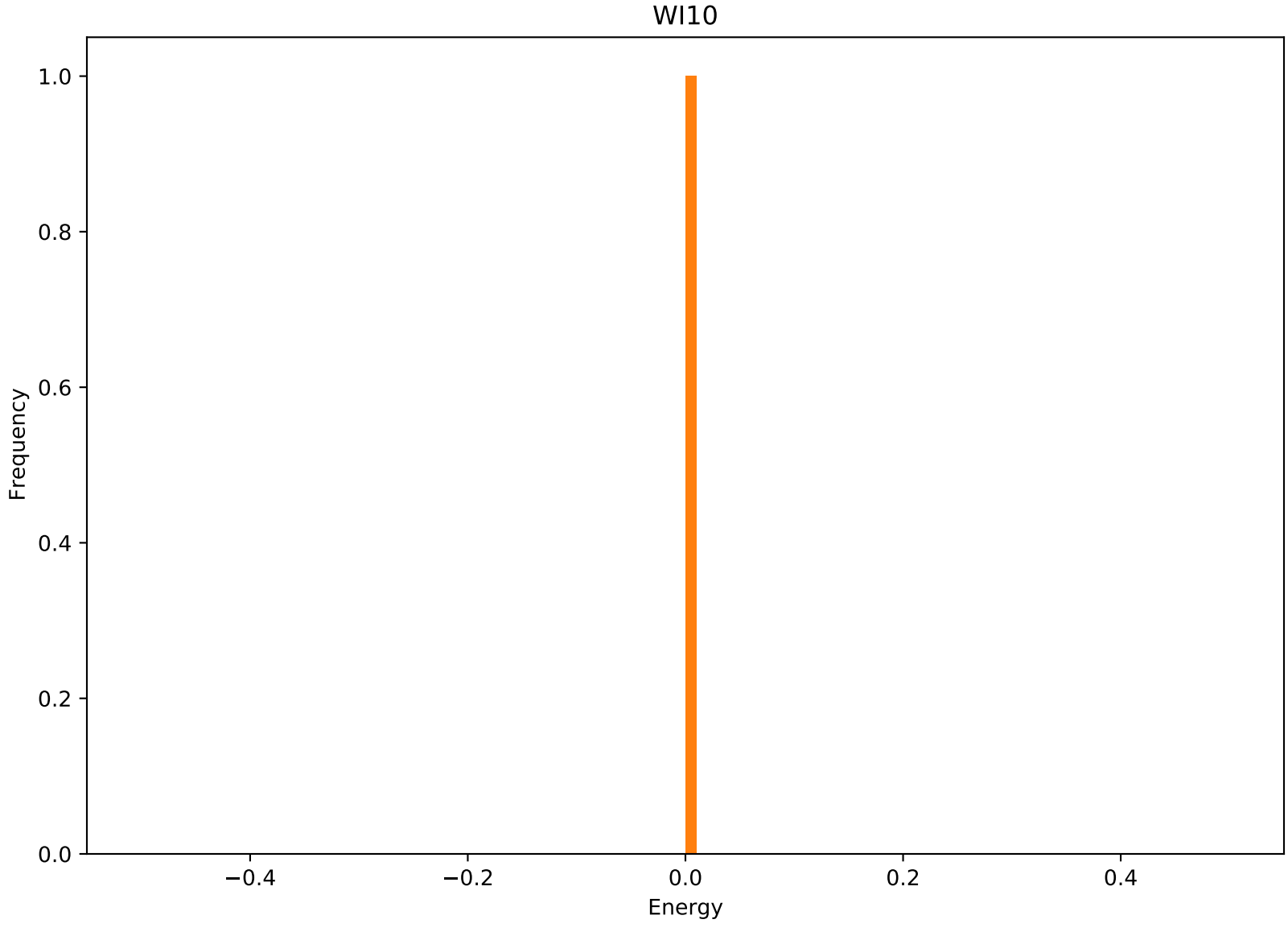

WG6
Frequency
250
200
150
100
50
0
−0.038
−0.036
−0.034
−0.032
−0.030
−0.028
−0.026
Energy

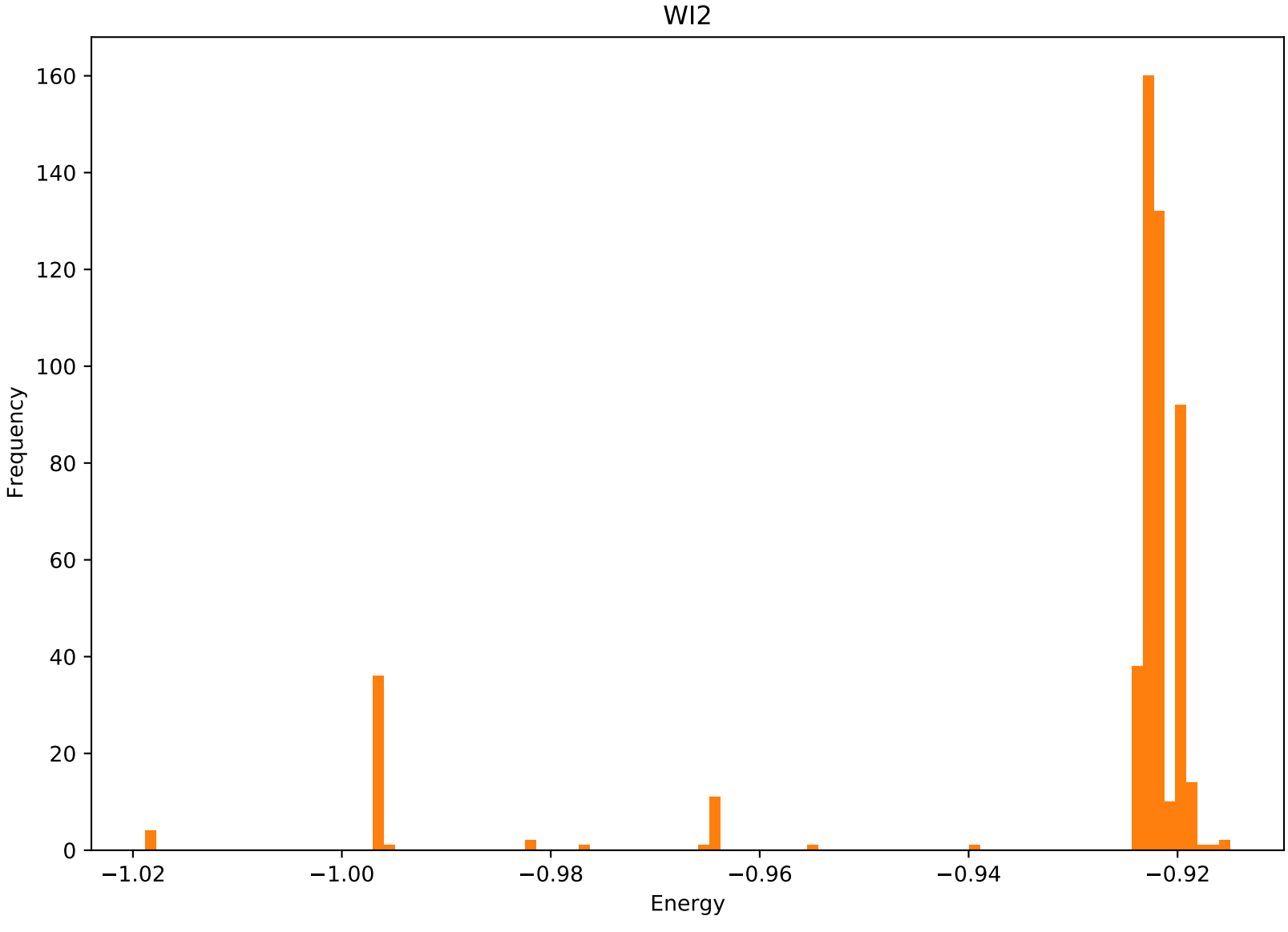

WG7
300
250
200
150
100
50
0
Frequency
−0.0300
−0.0275
−0.0250
−0.0225
−0.0200
−0.0175
−0.0150
−0.0125
Energy

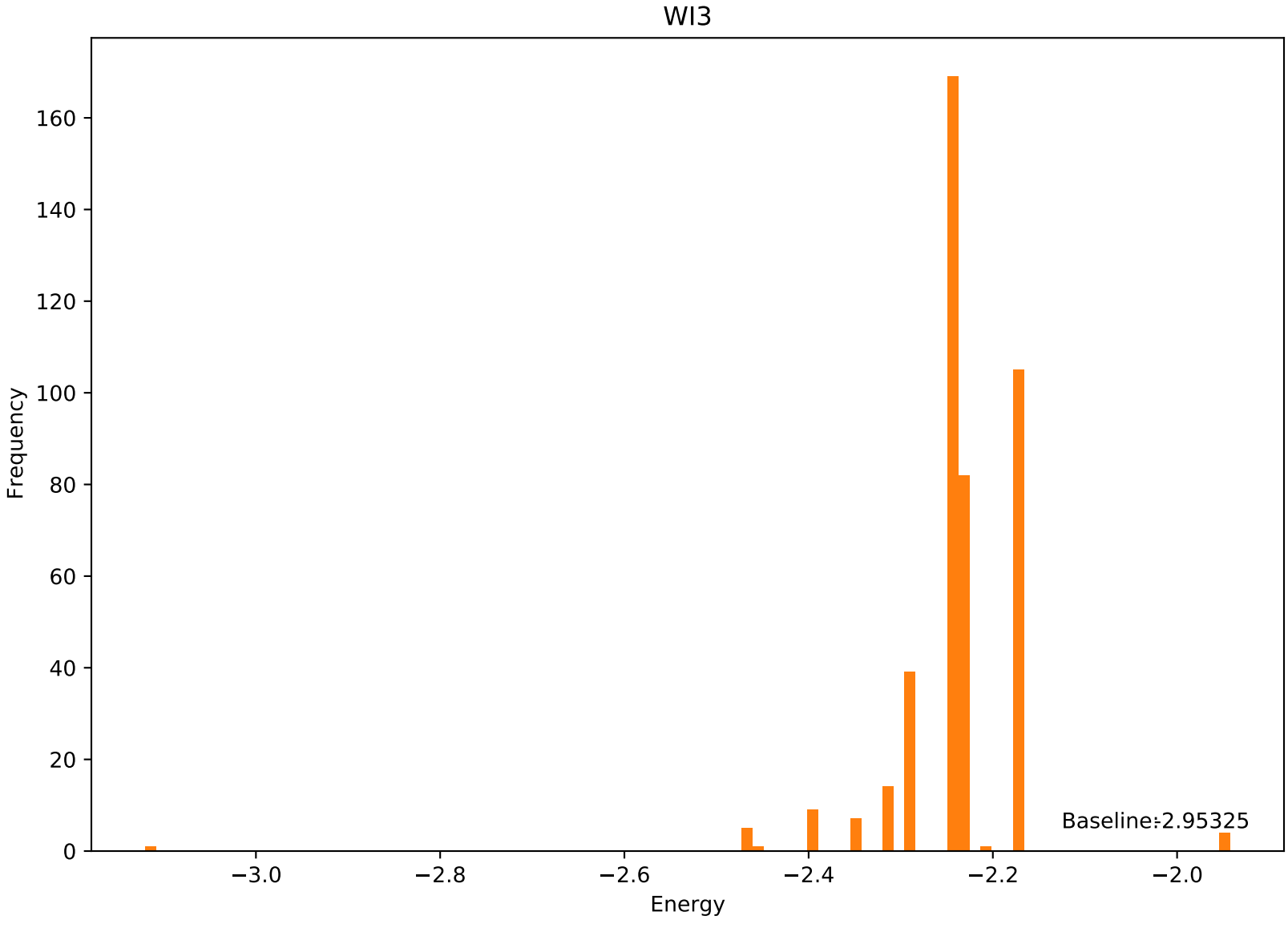

WG8
Frequency
250
200
150
100
50
0
−0.010
−0.009
−0.008
−0.007
−0.006
−0.005
−0.004
Energy

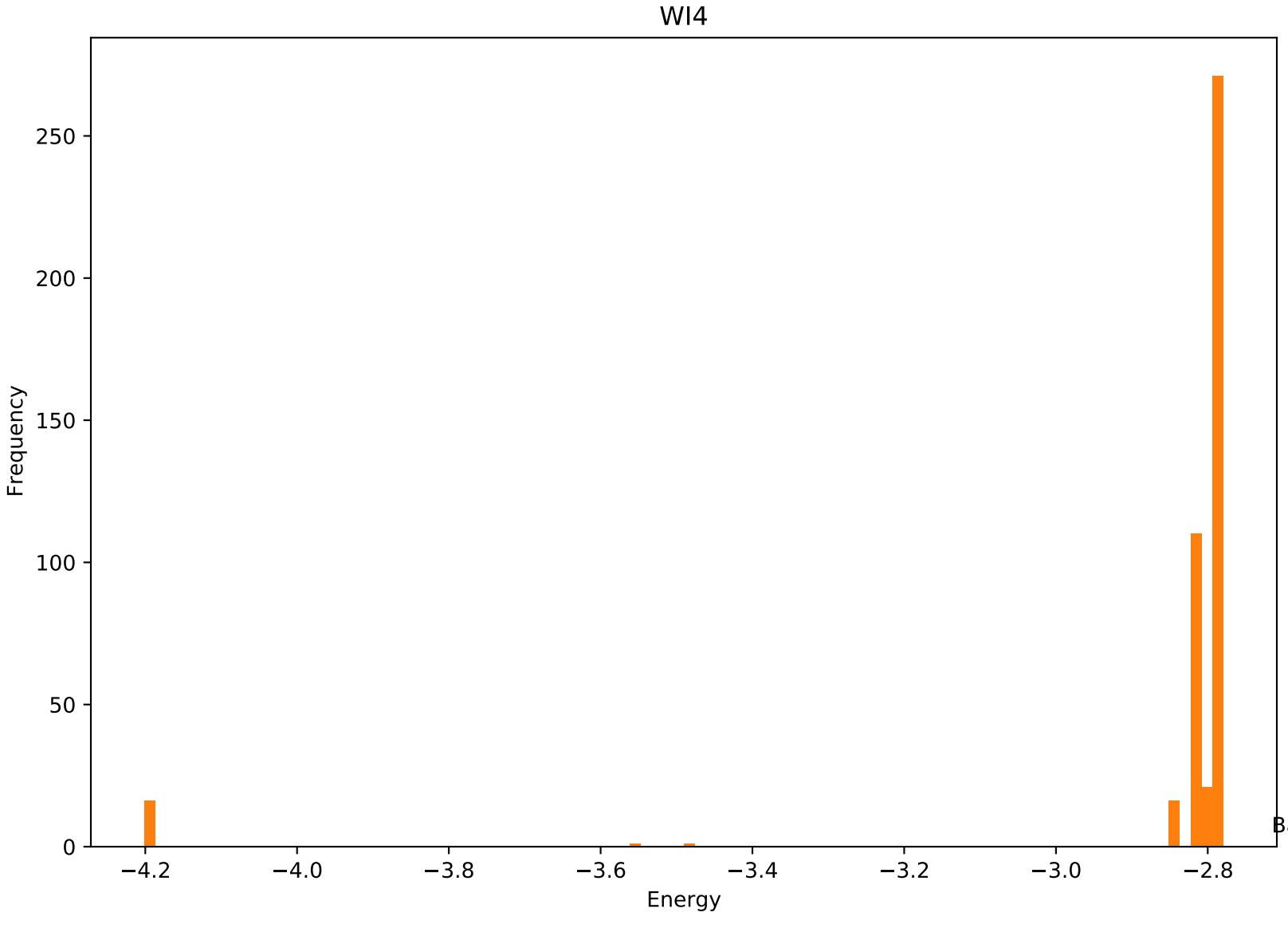

WI1
Frequency
Energy
0
100
200
300
400
−0.25
0.00
0.25
0.50
0.75
1.00
1.25
1.50

Baseline:

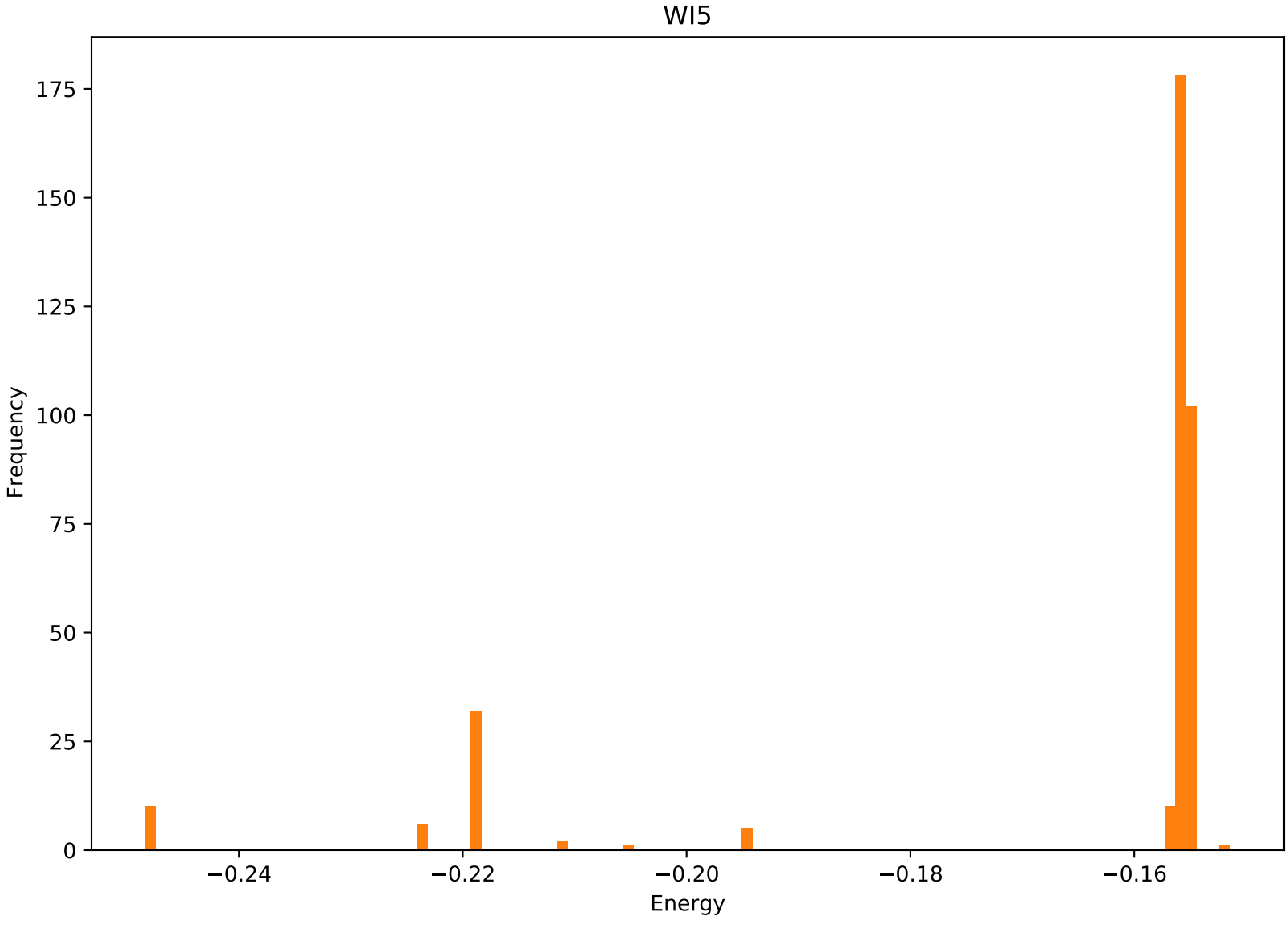

WI10
1.0
0.8
0.6
0.4
0.2
0.0
Frequency
−0.4
−0.2
0.0
0.2
0.4
Energy

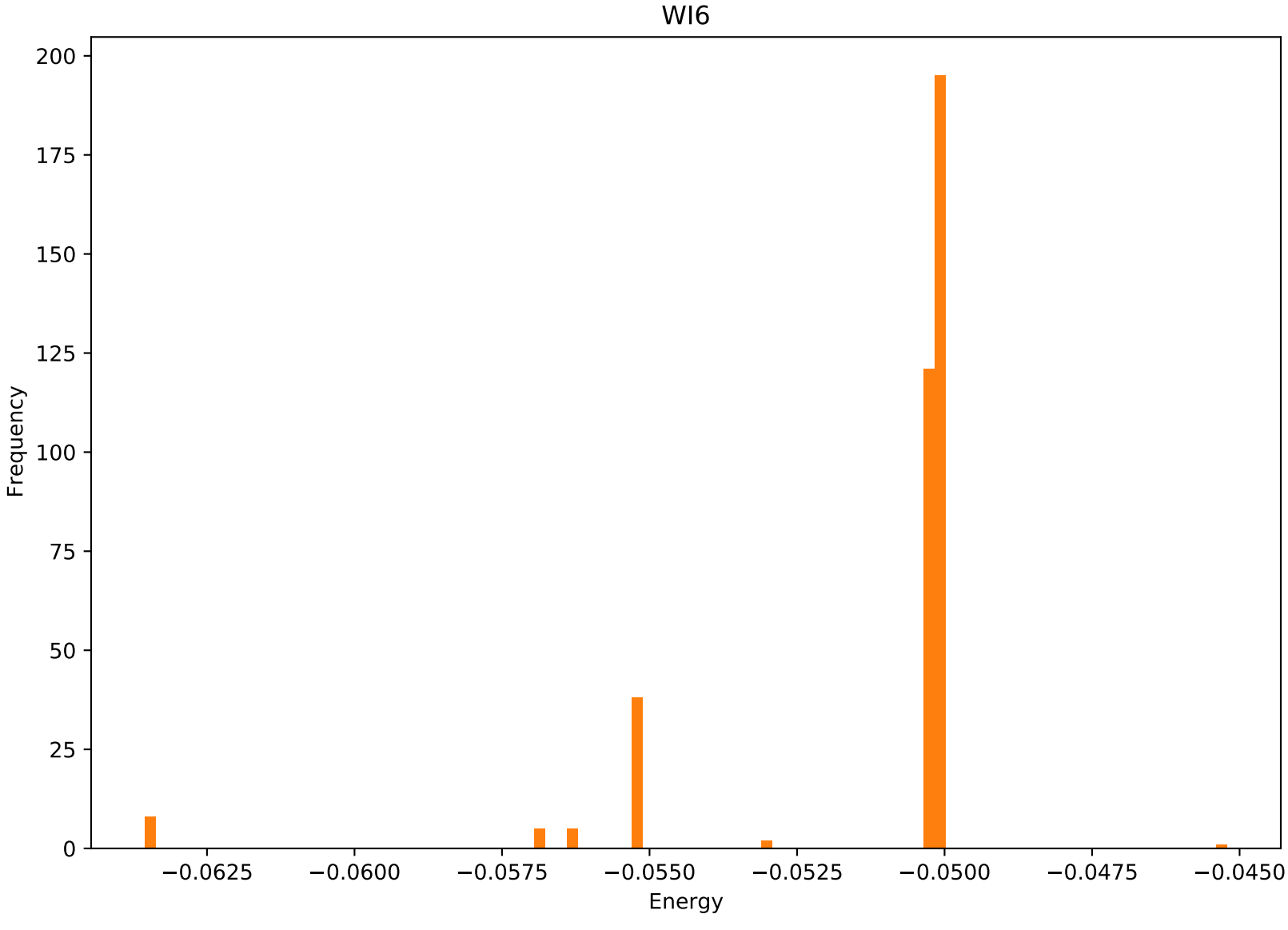

WI2
Frequency
160
140
120
100
80
60
40
20
0
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
Energy

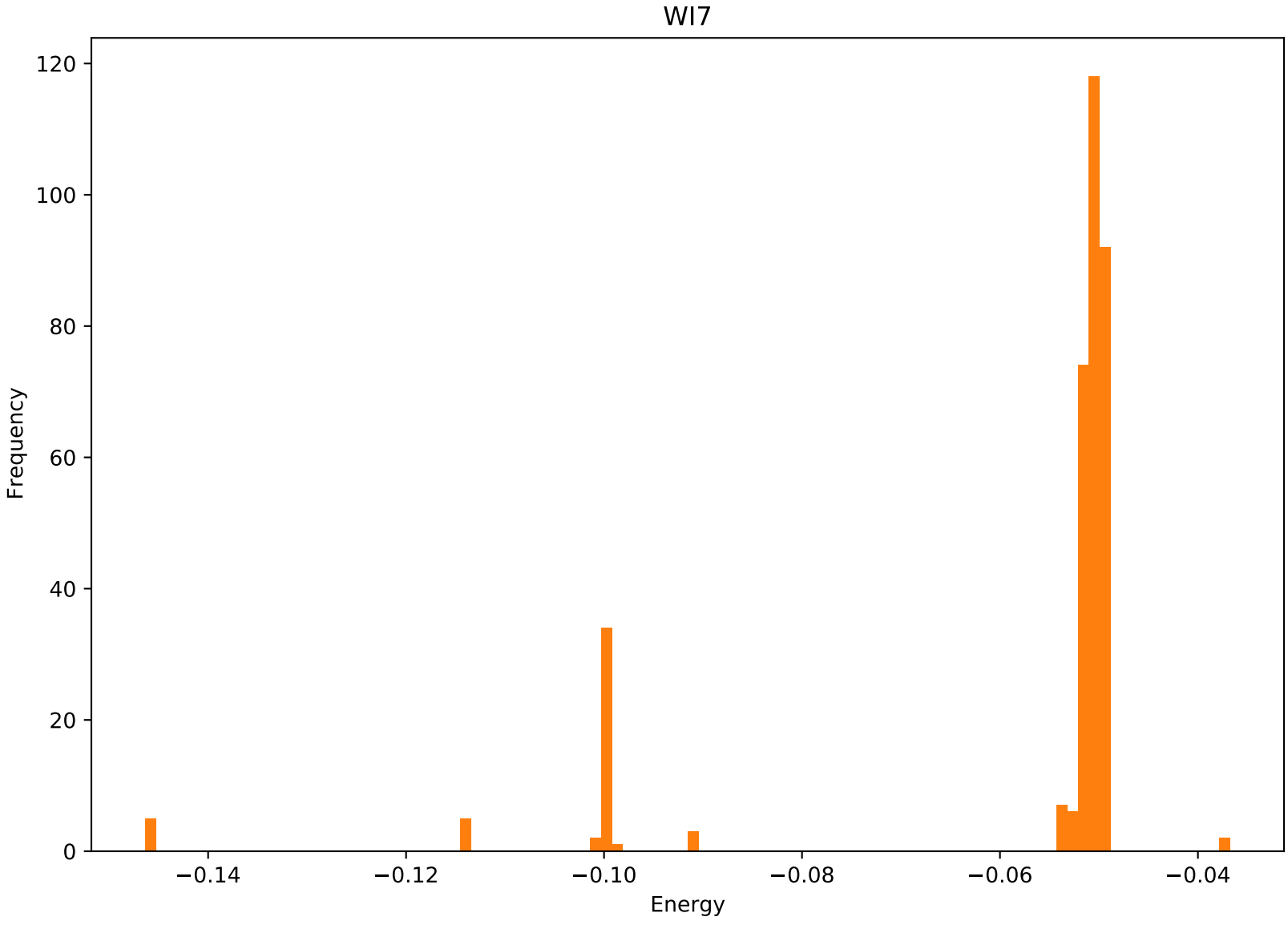

WI3
Frequency
Energy
Baseline:-2.95325
0
20
40
60
80
100
120
140
160
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0

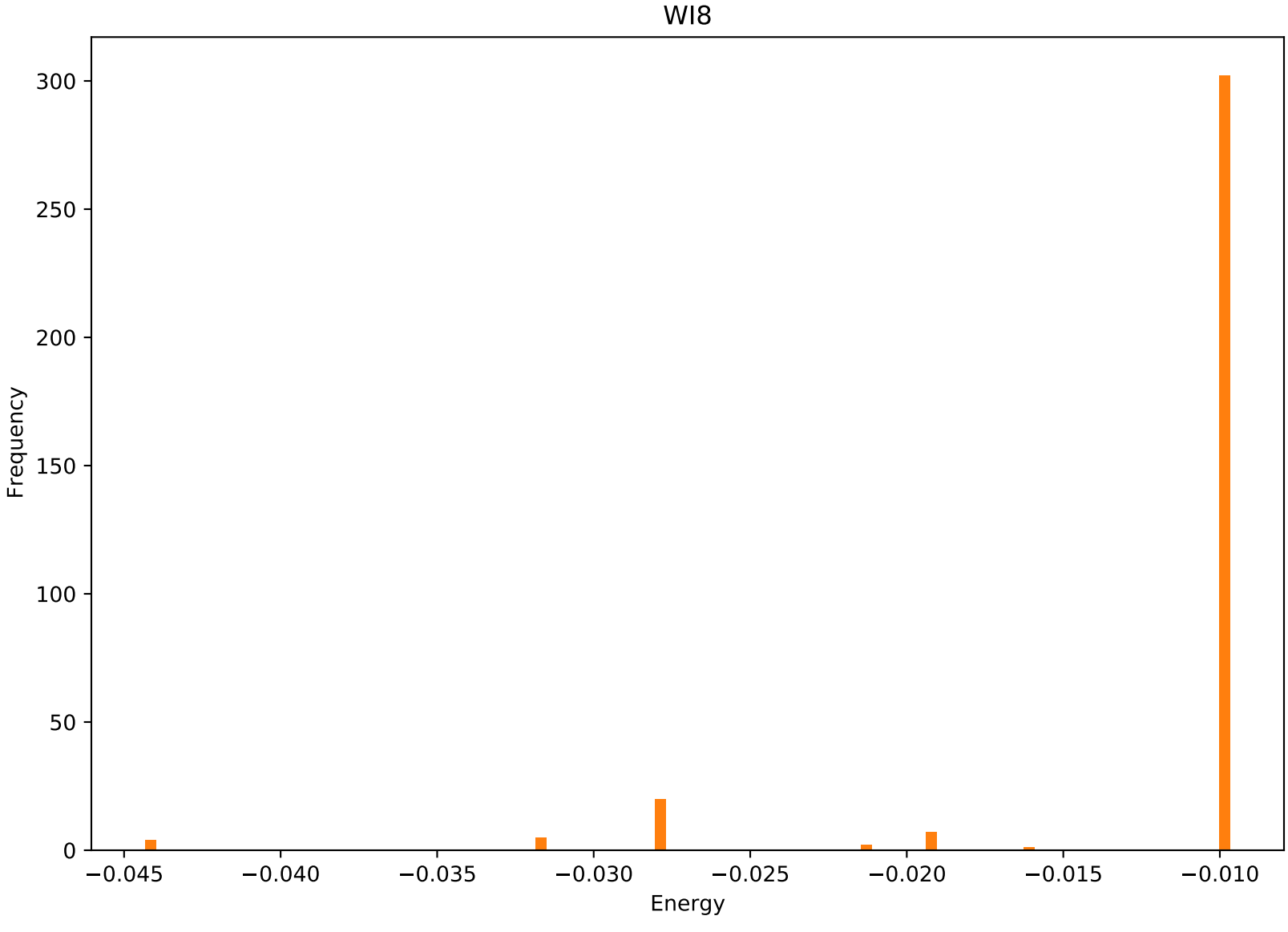


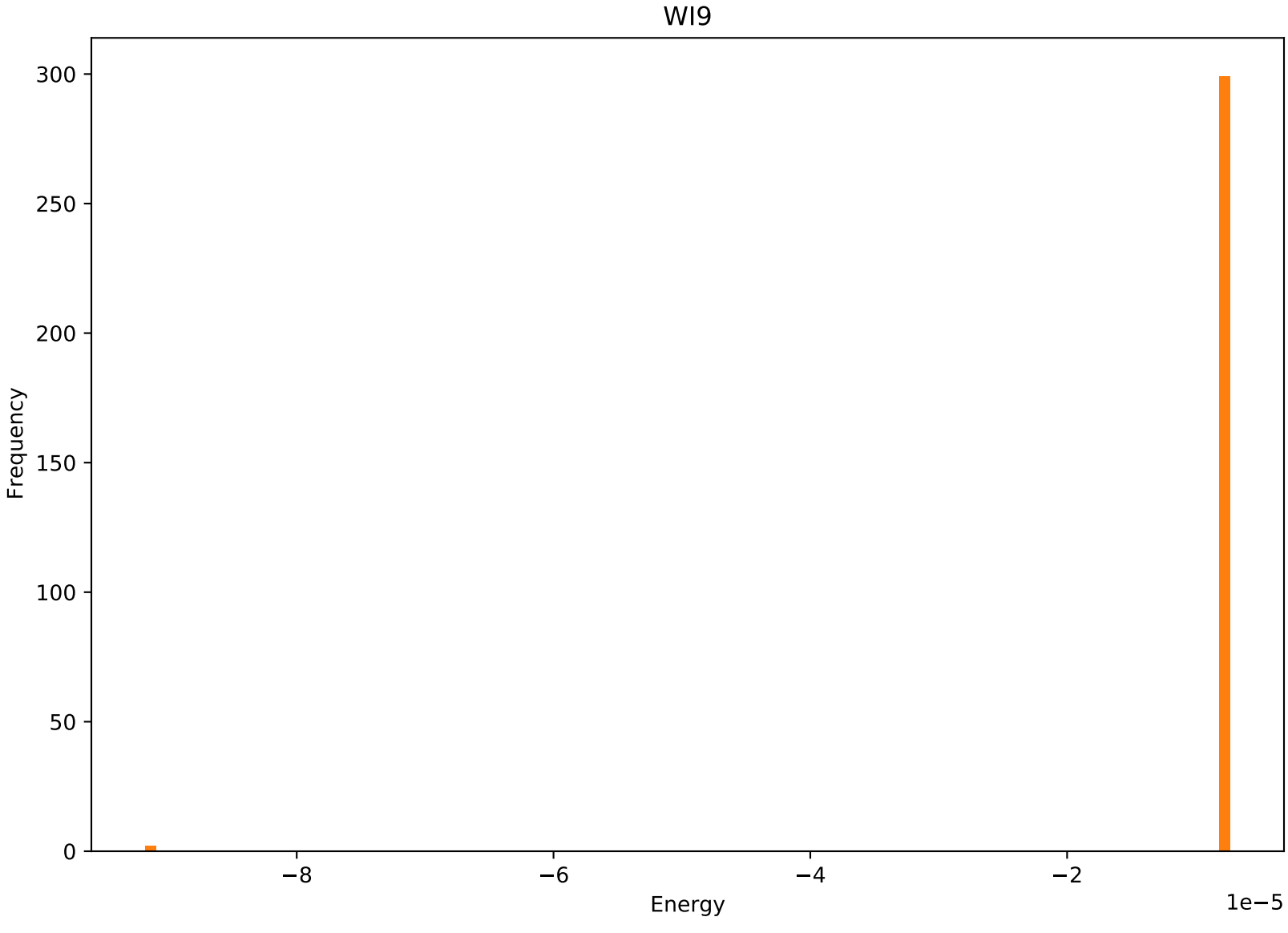
Baseline:

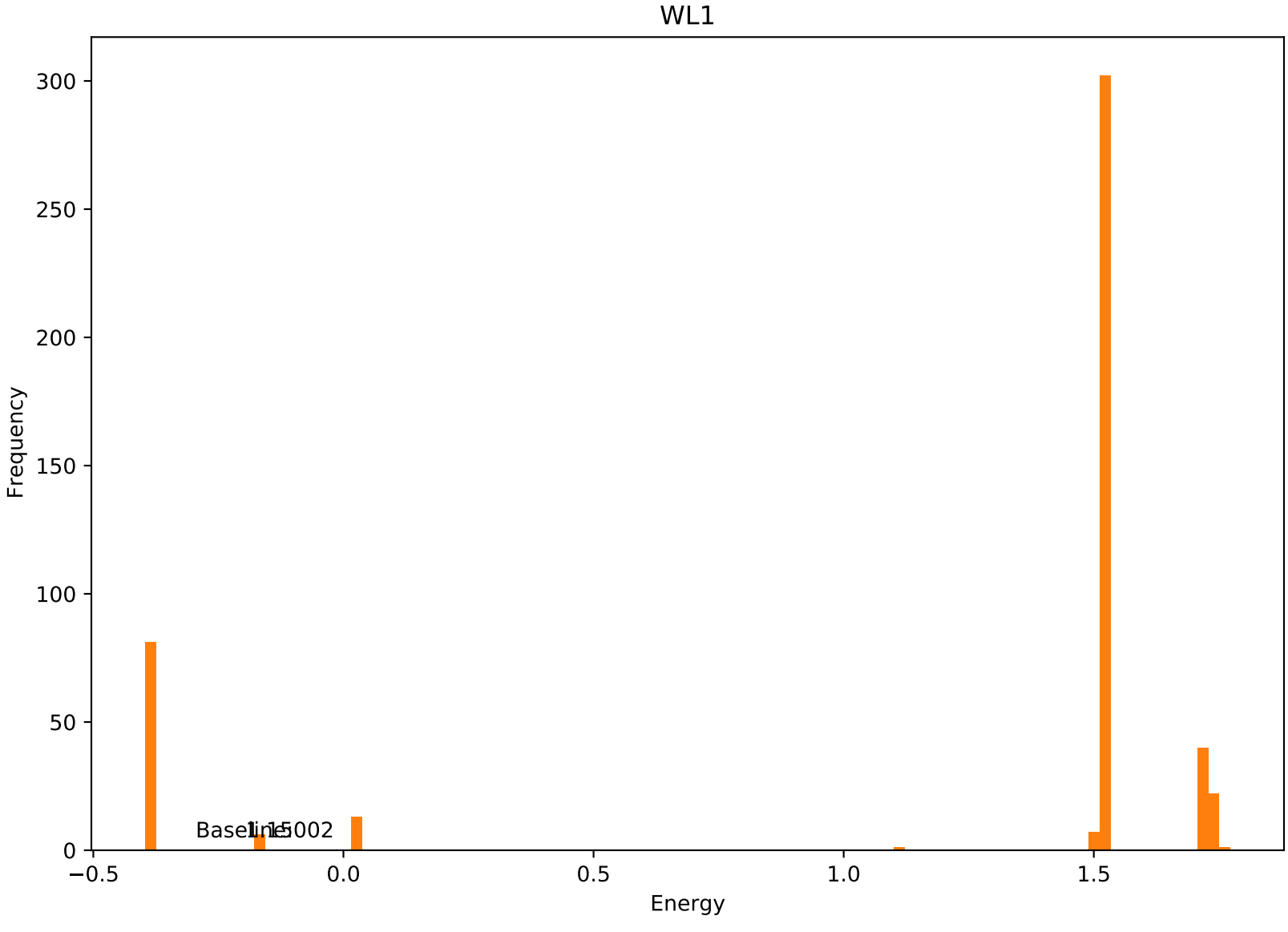

WI5
Frequency
175
150
125
100
75
50
25
0
−0.24
−0.22
−0.20
−0.18
−0.16
Energy

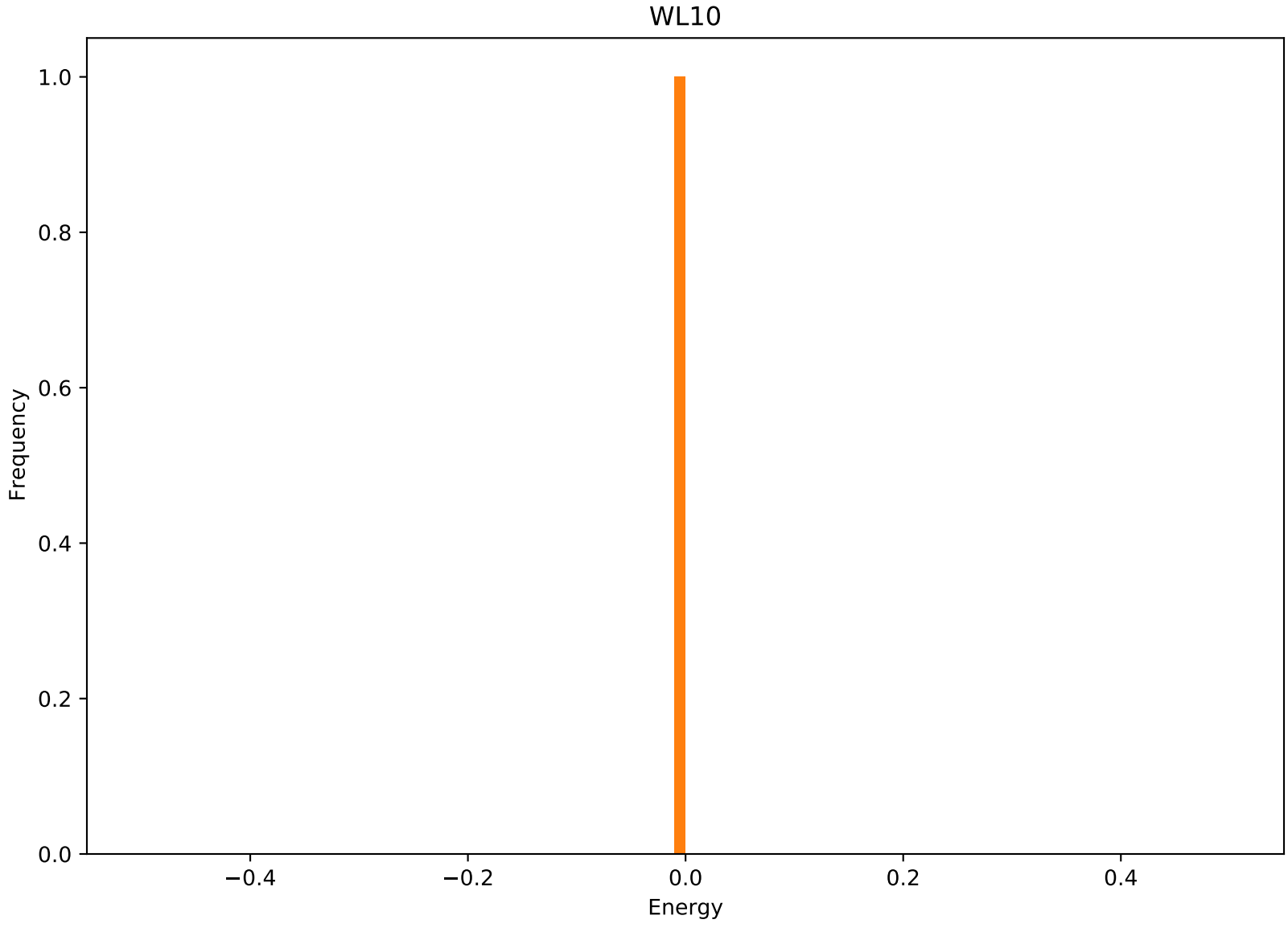

WI6
Frequency
Energy
200
175
150
125
100
75
50
25
0
−0.0625
−0.0600
−0.0575
−0.0550
−0.0525
−0.0500
−0.0475
−0.0450

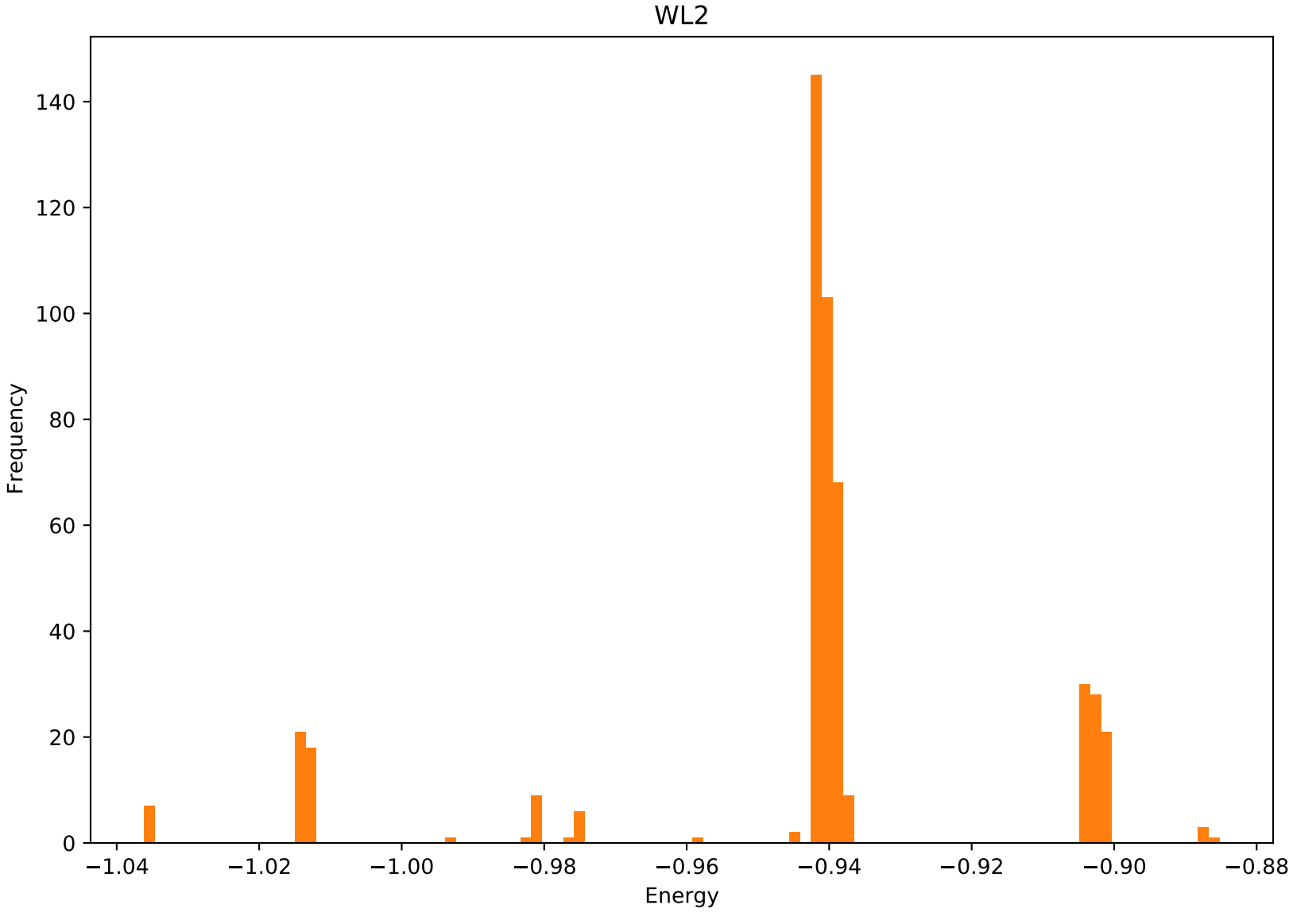

WI7
120
100
80
60
40
20
0
Frequency
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

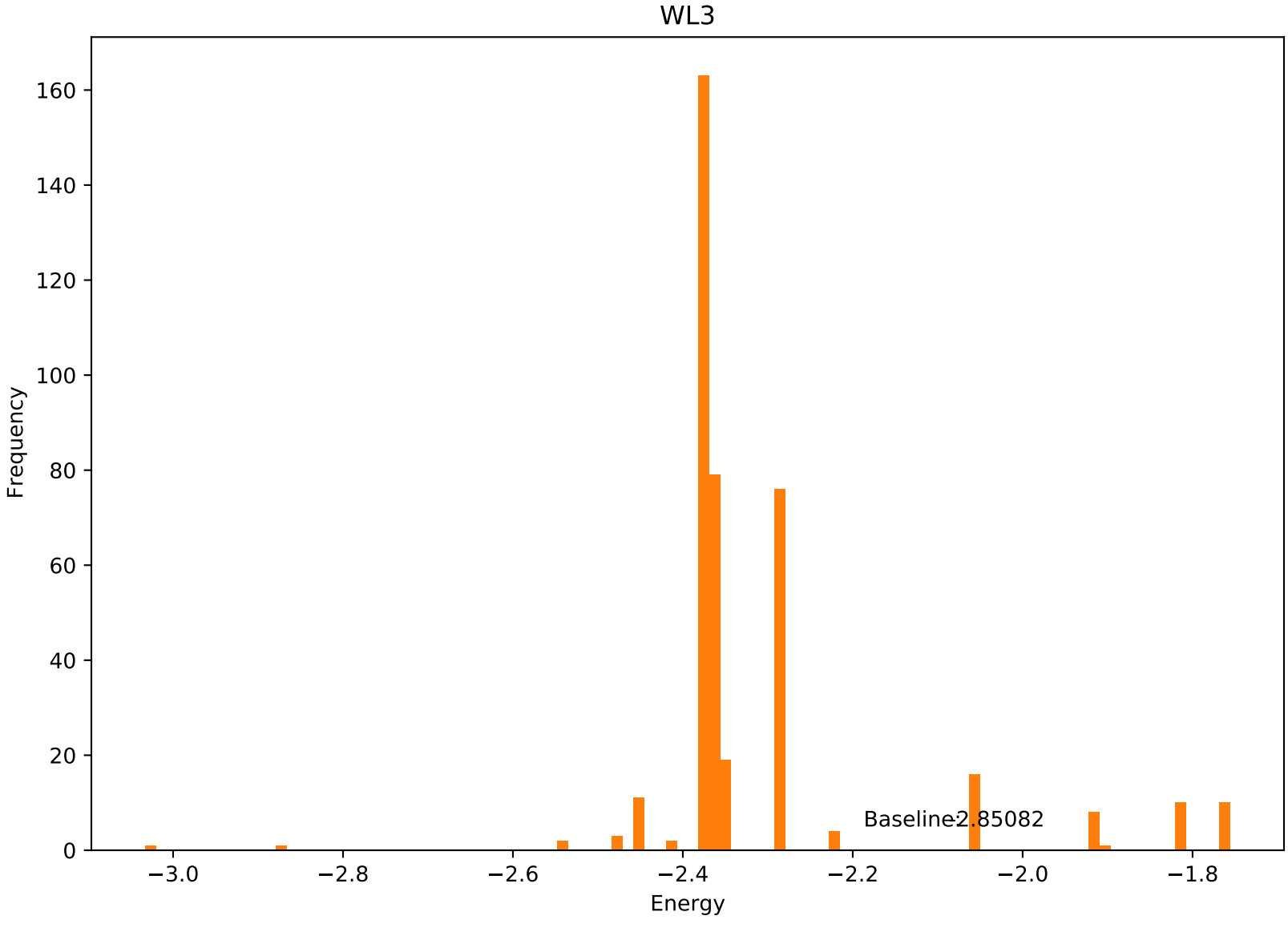

WI8
Frequency
300
250
200
150
100
50
0
−0.045
−0.040
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
Energy

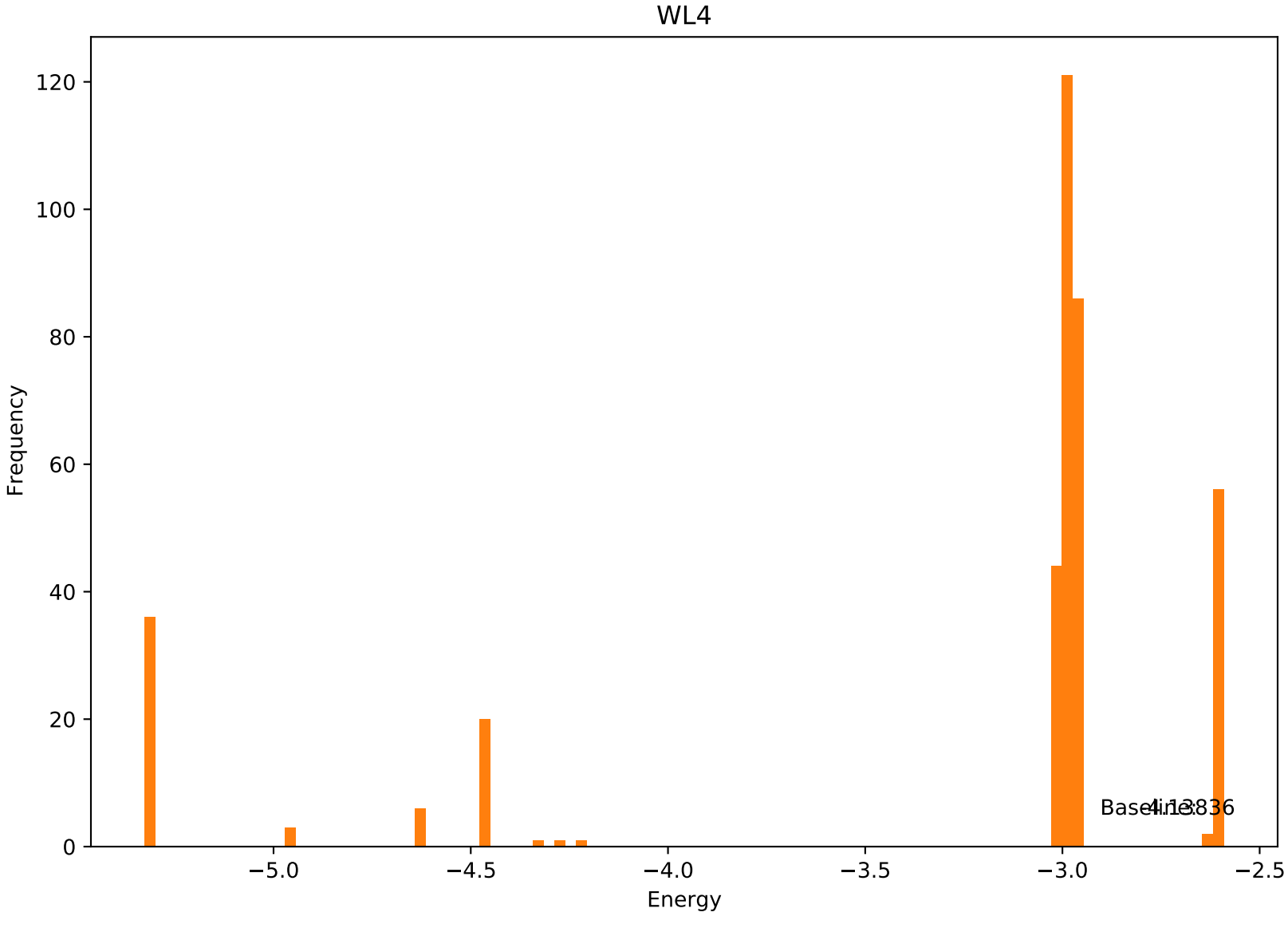

WI9
300
250
200
150
100
50
0
Frequency
−8
−6
−4
−2
Energy
1e−5

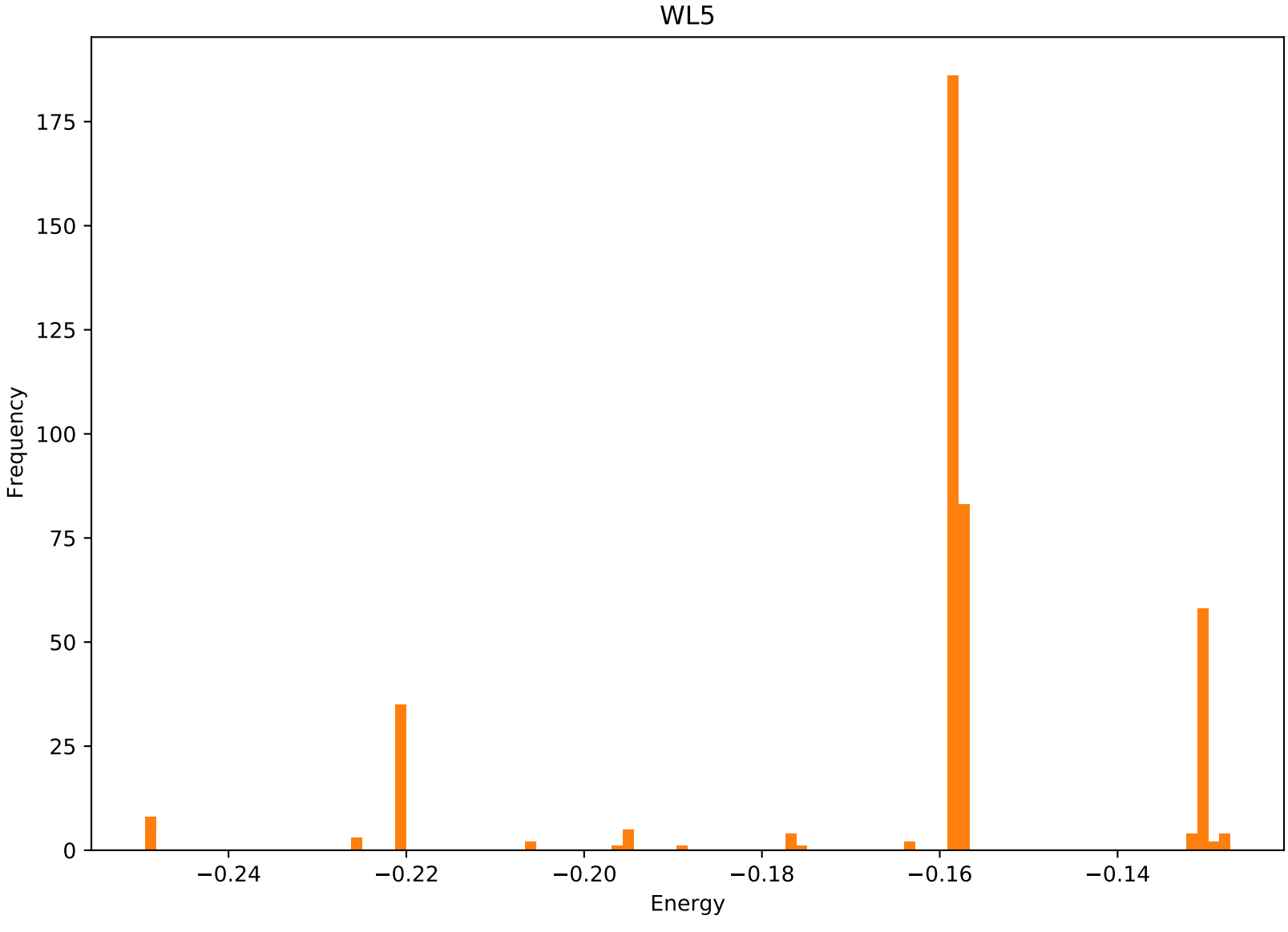

WL1
Frequency
Energy
300
250
200
150
100
50
0
−0.5
0.0
0.5
1.0
1.5
Baseline5002

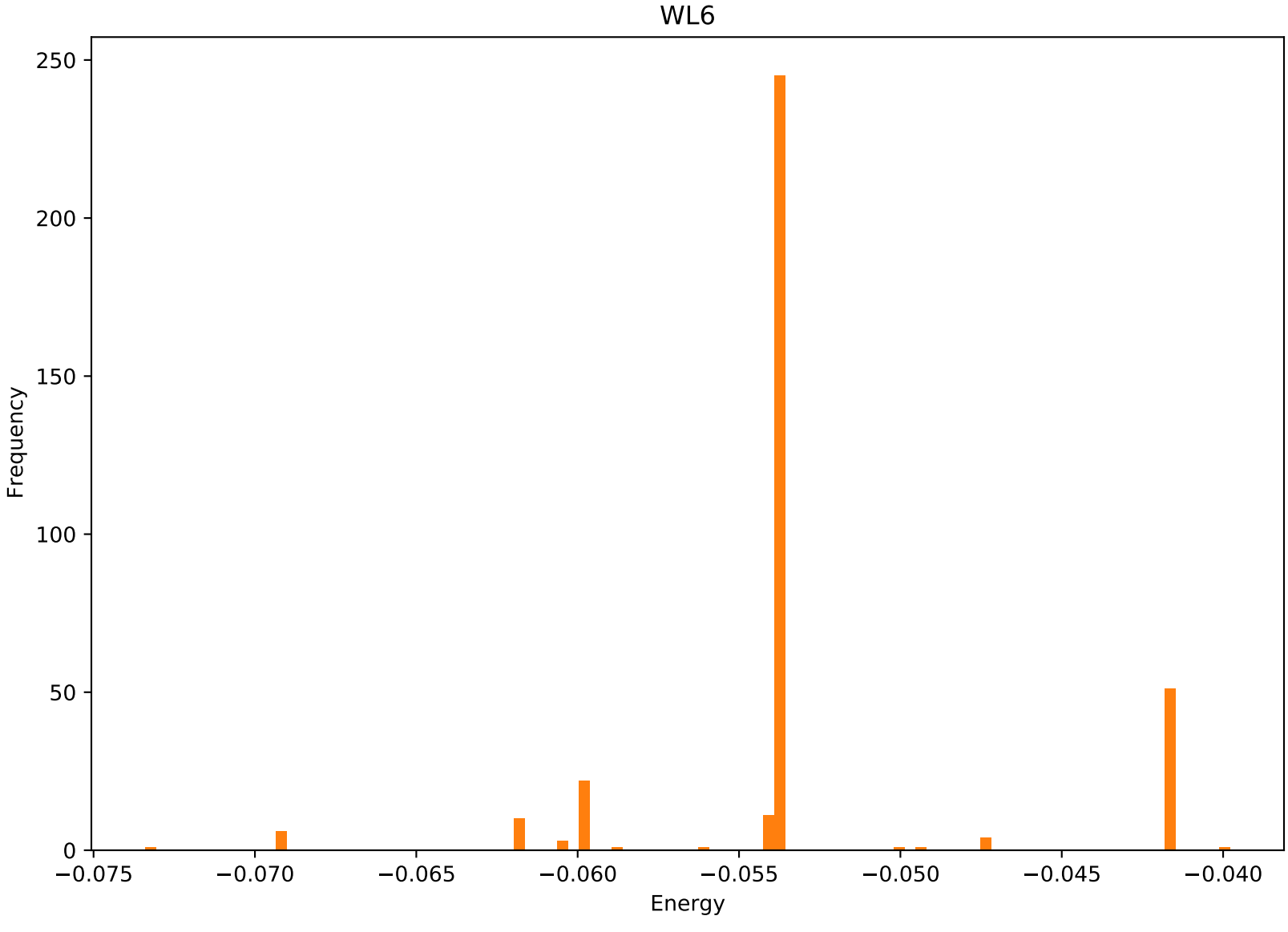

WL10
1.0
0.8
0.6
0.4
0.2
0.0
Frequency
−0.4
−0.2
0.0
0.2
0.4
Energy

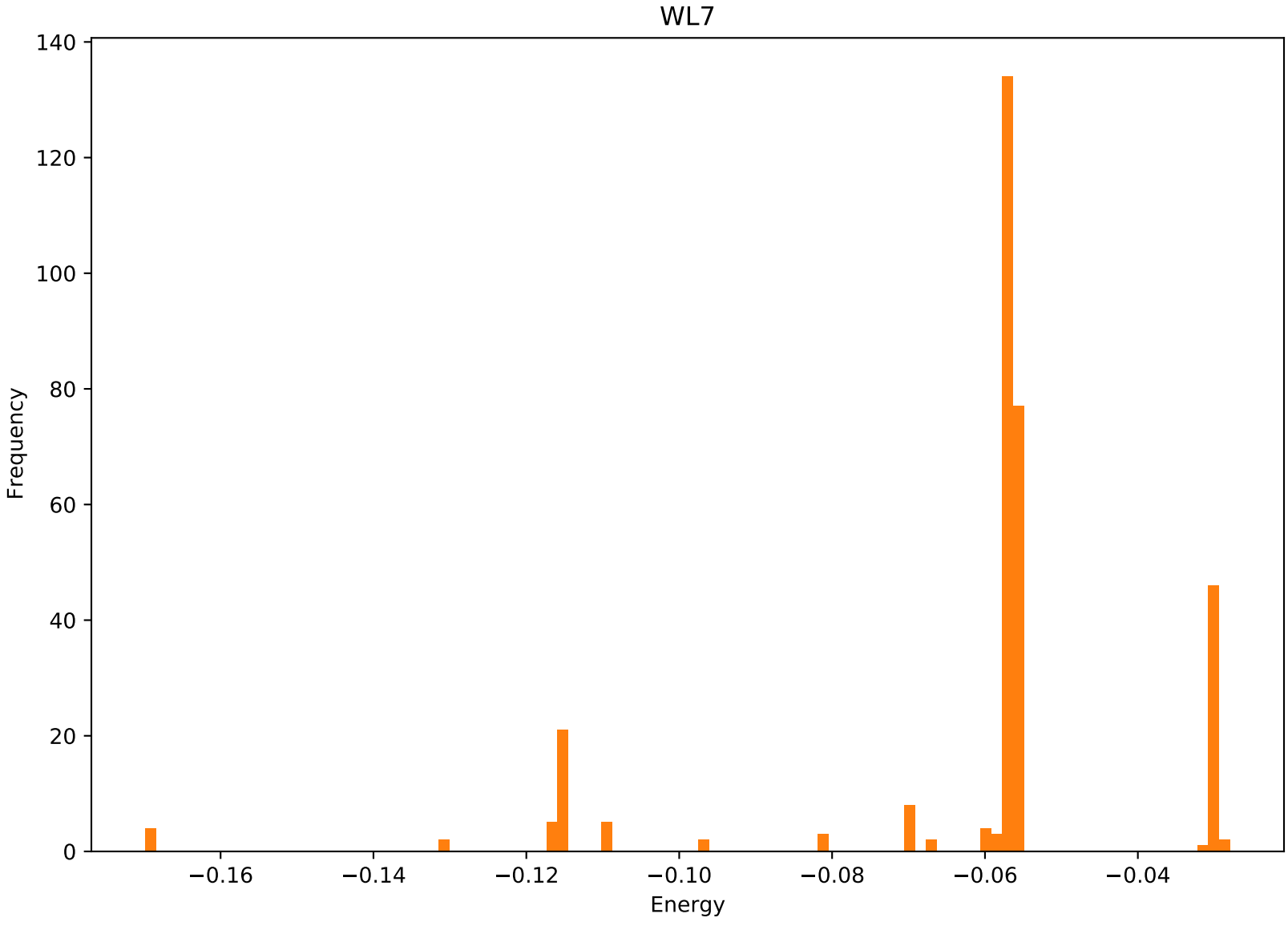

WL2
Frequency
Energy
0
20
40
60
80
100
120
140
−1.04
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
−0.88

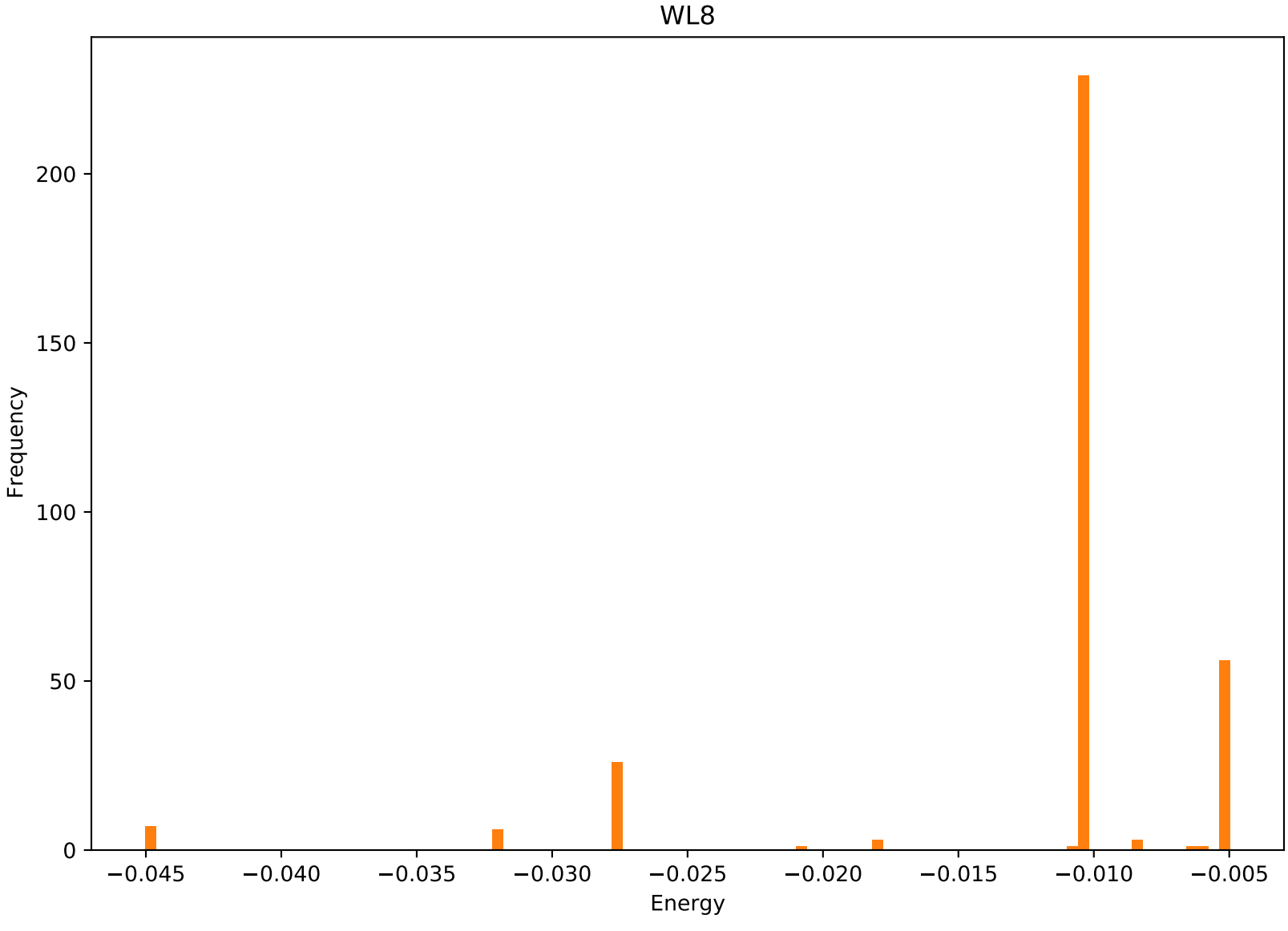

WL3
Frequency
Energy
Baseline -2.85082
160
140
120
100
80
60
40
20
0
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

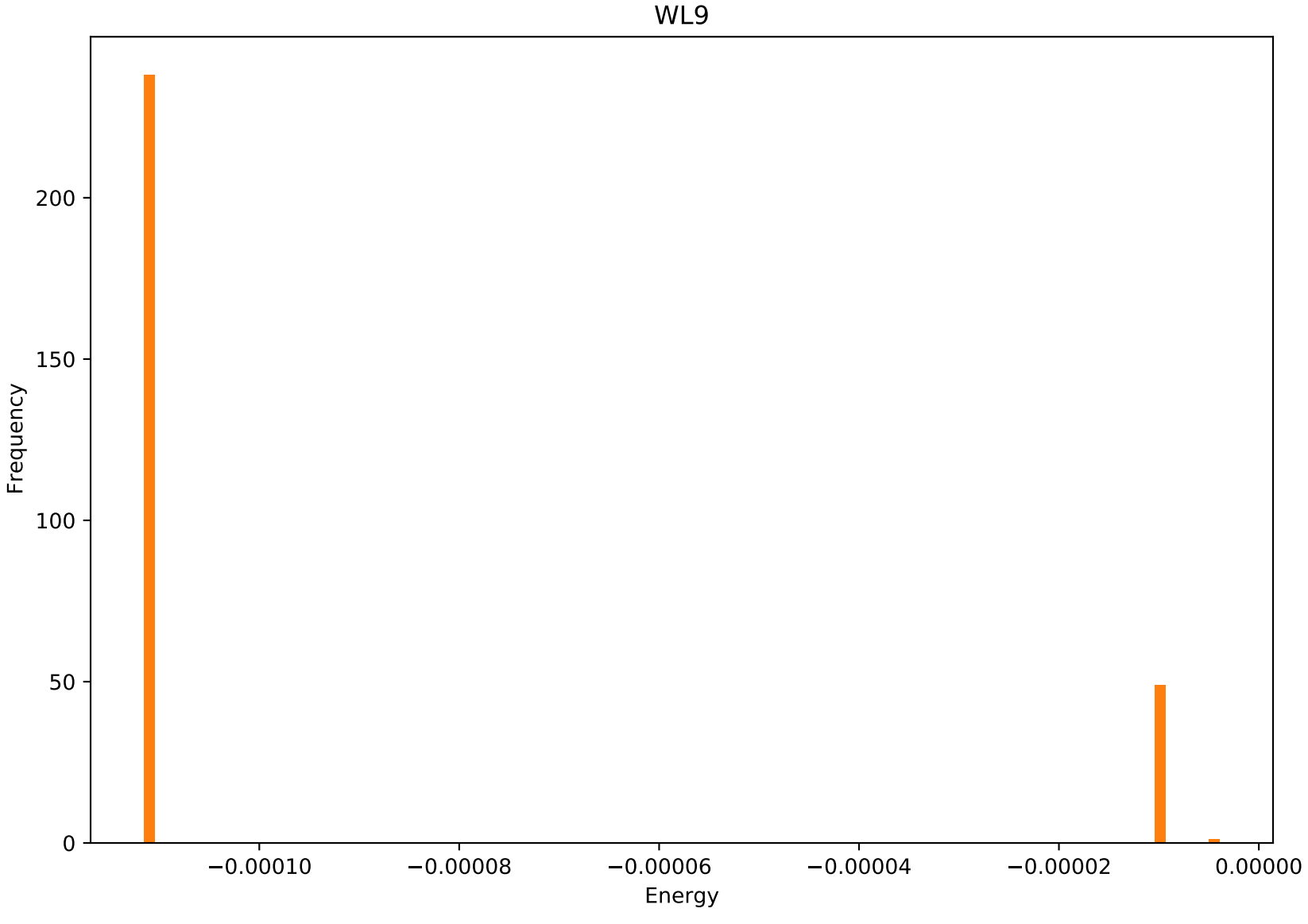

WL4
Frequency
Energy
0
20
40
60
80
100
120
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5

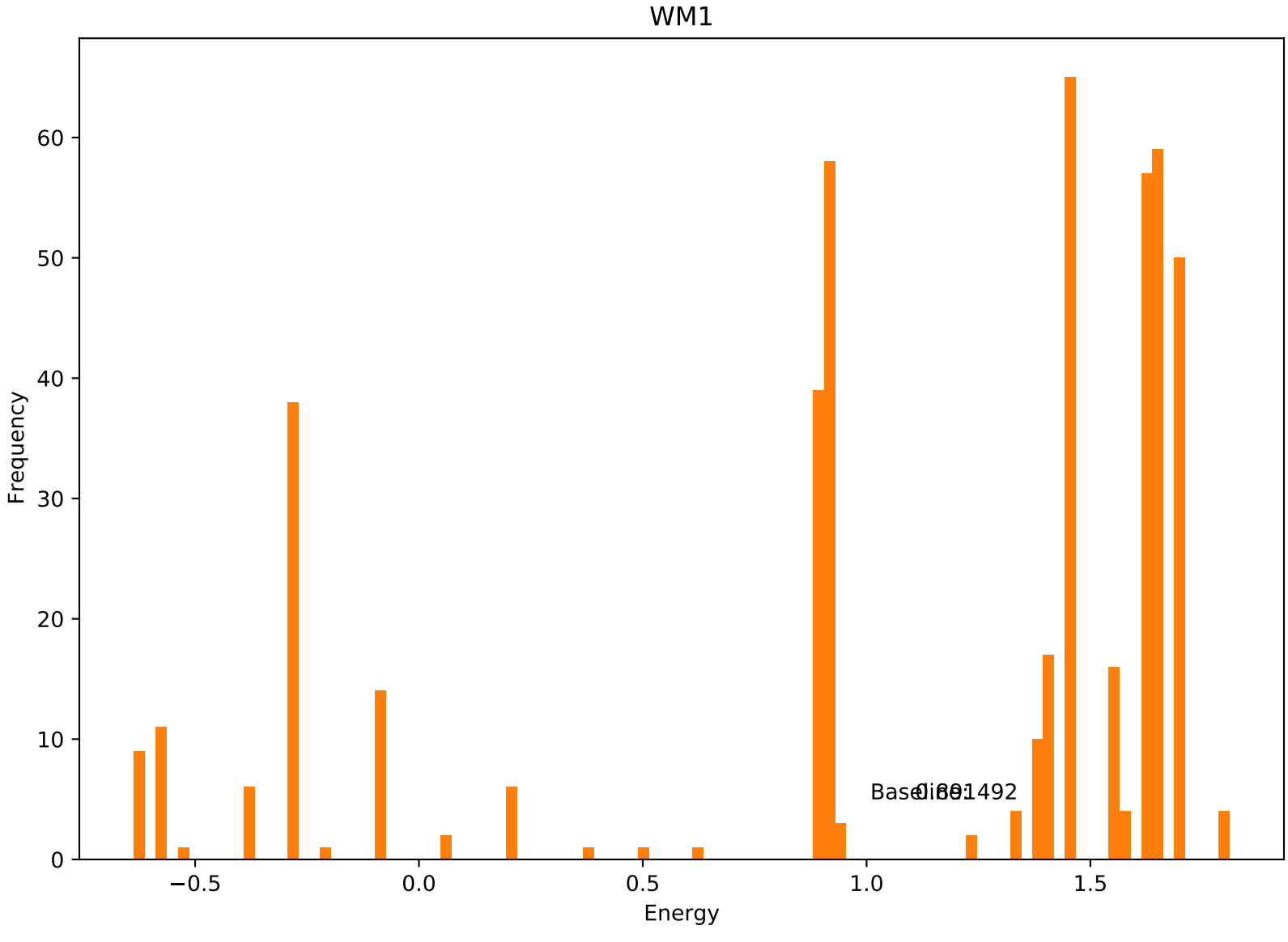

WL5
Frequency
175
150
125
100
75
50
25
0
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

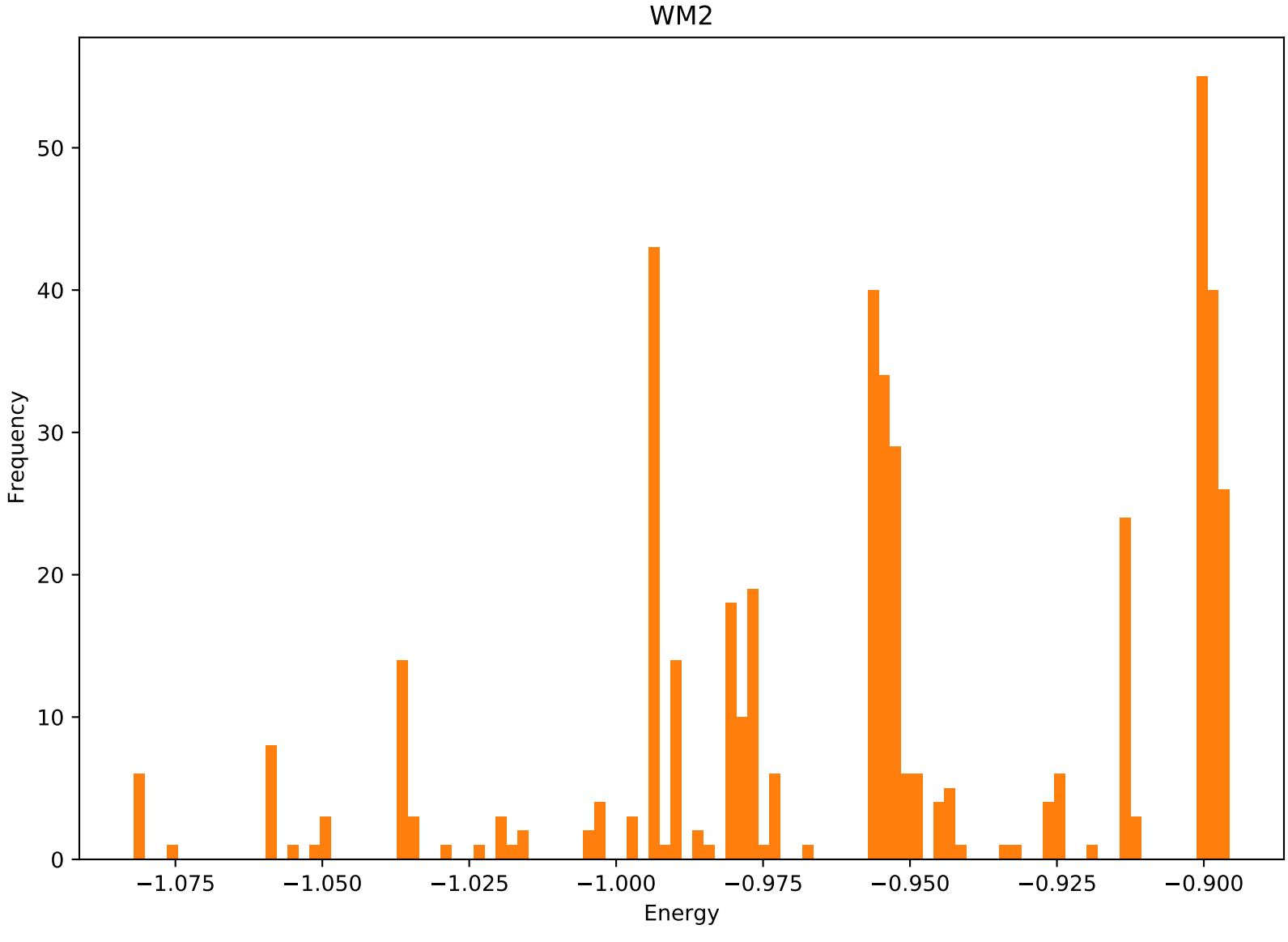

WL6
Frequency
Energy
250
200
150
100
50
0
−0.075
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040

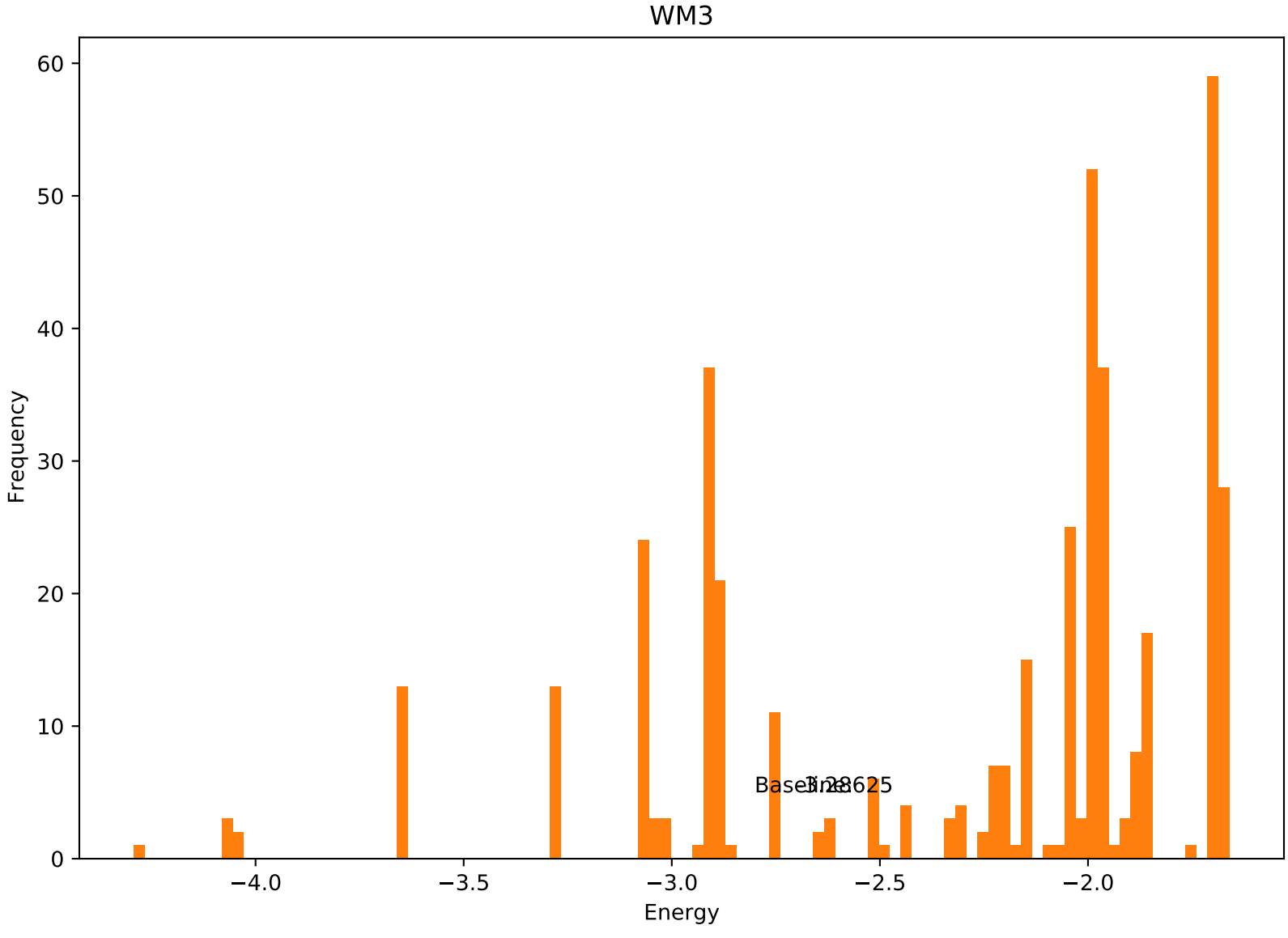

WL7
Frequency
Energy
140
120
100
80
60
40
20
0
−0.16
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04

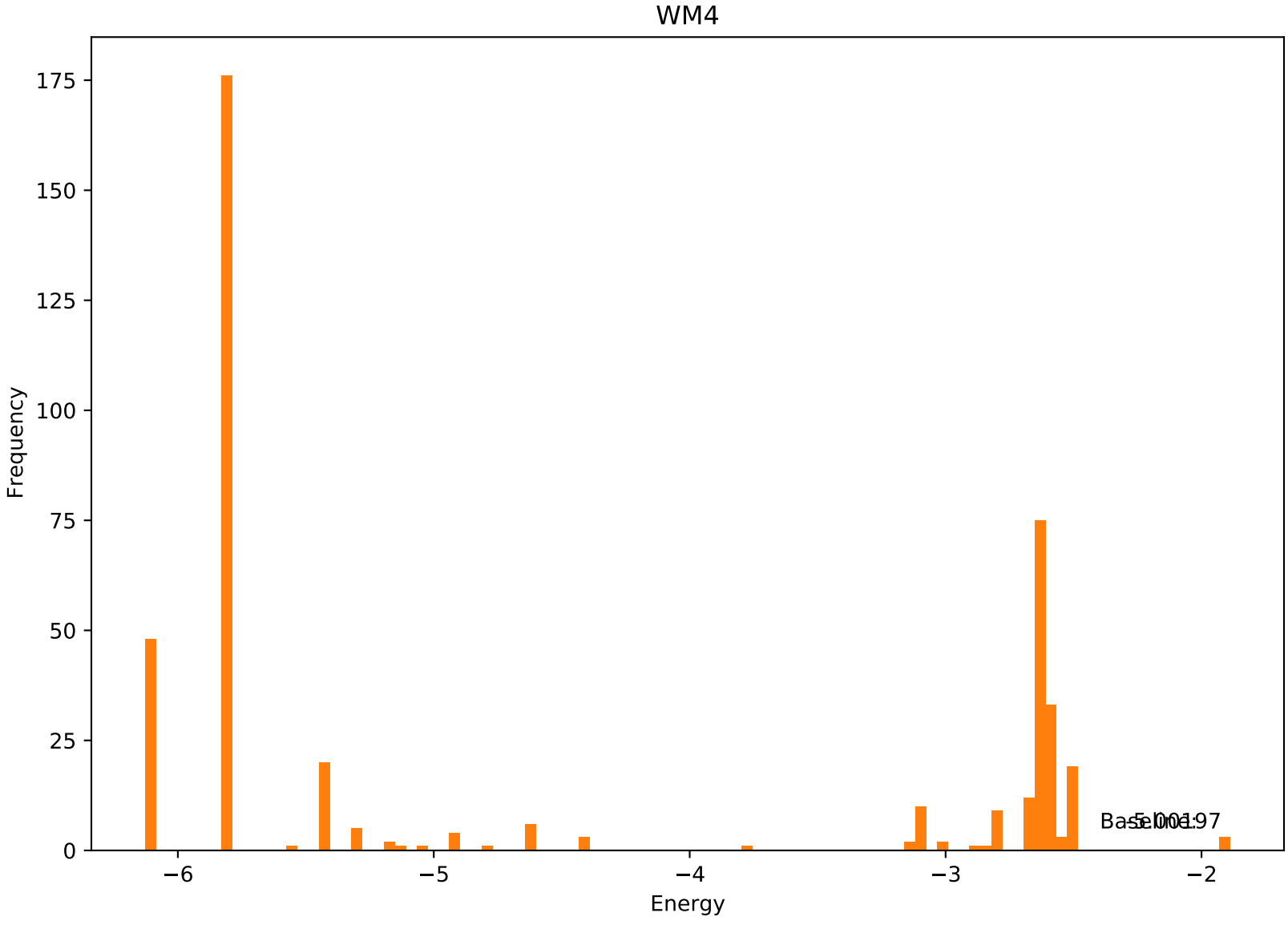

WL8
Frequency
200
150
100
50
0
−0.045
−0.040
−0.035
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

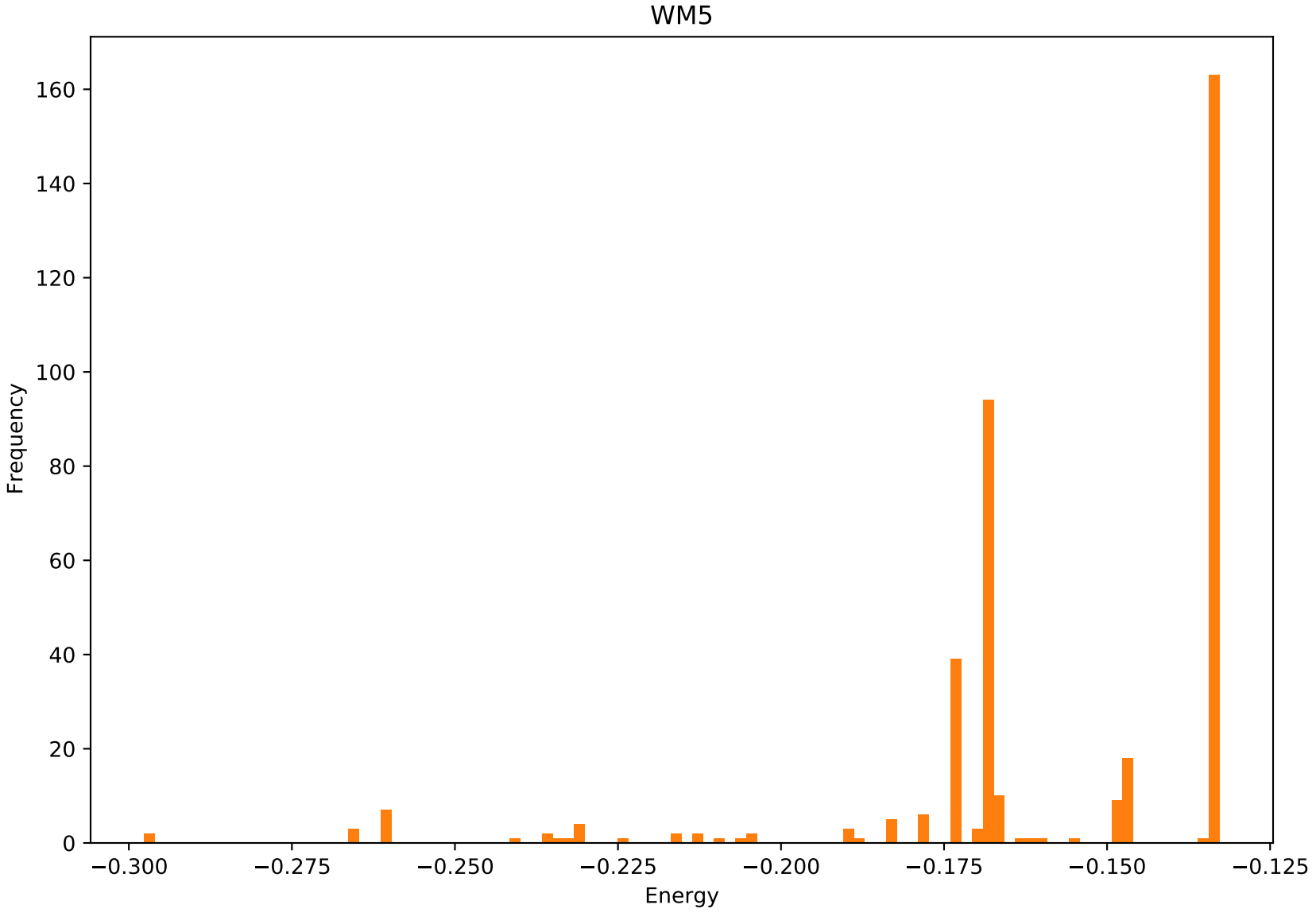

WL9
Frequency
200
150
100
50
0
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

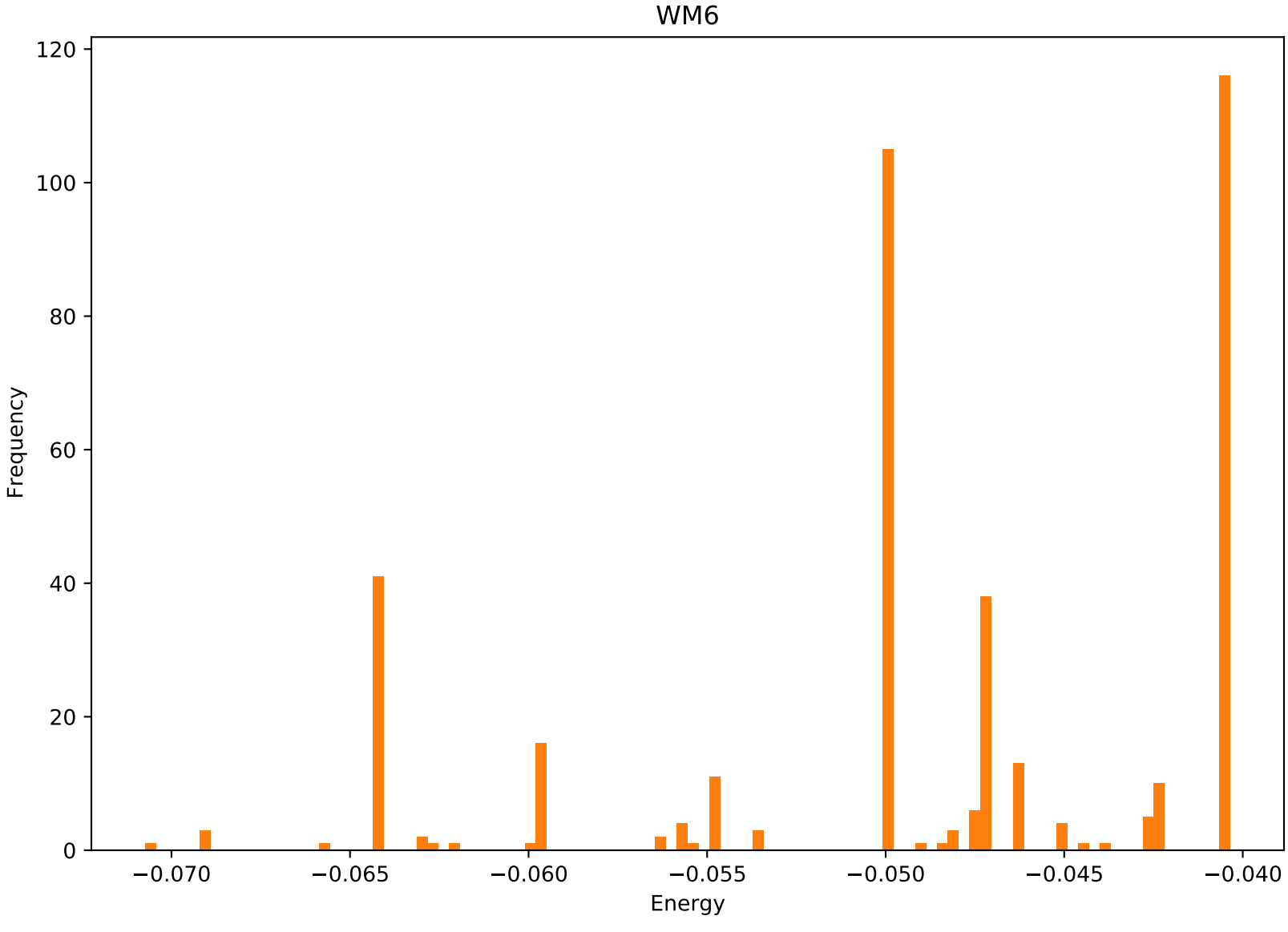

WM1
Frequency
Energy
0
10
20
30
40
50
60
−0.5
0.0
0.5
1.0
1.5

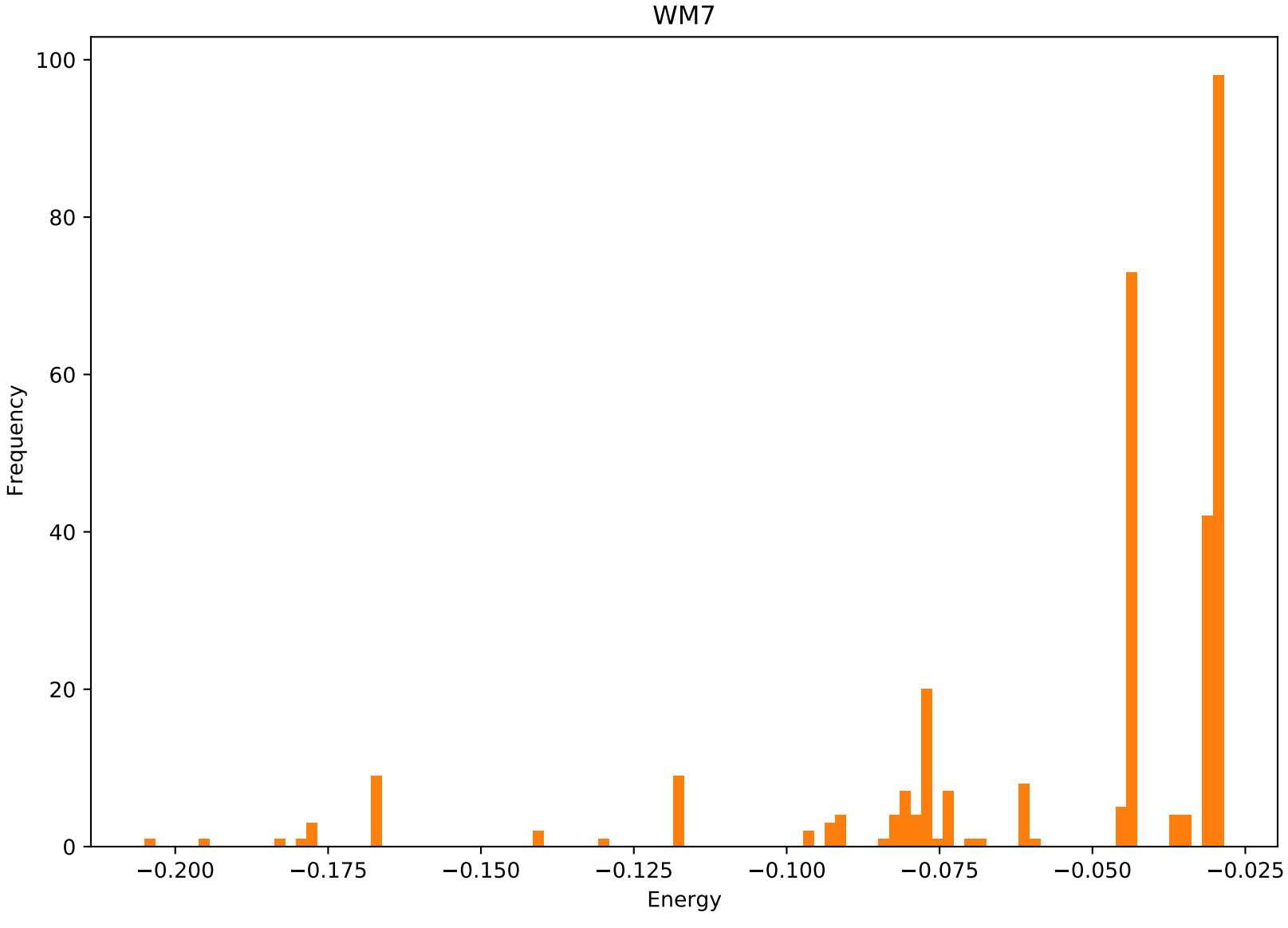

WM2
Frequency
Energy
0
10
20
30
40
50
−1.075
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900

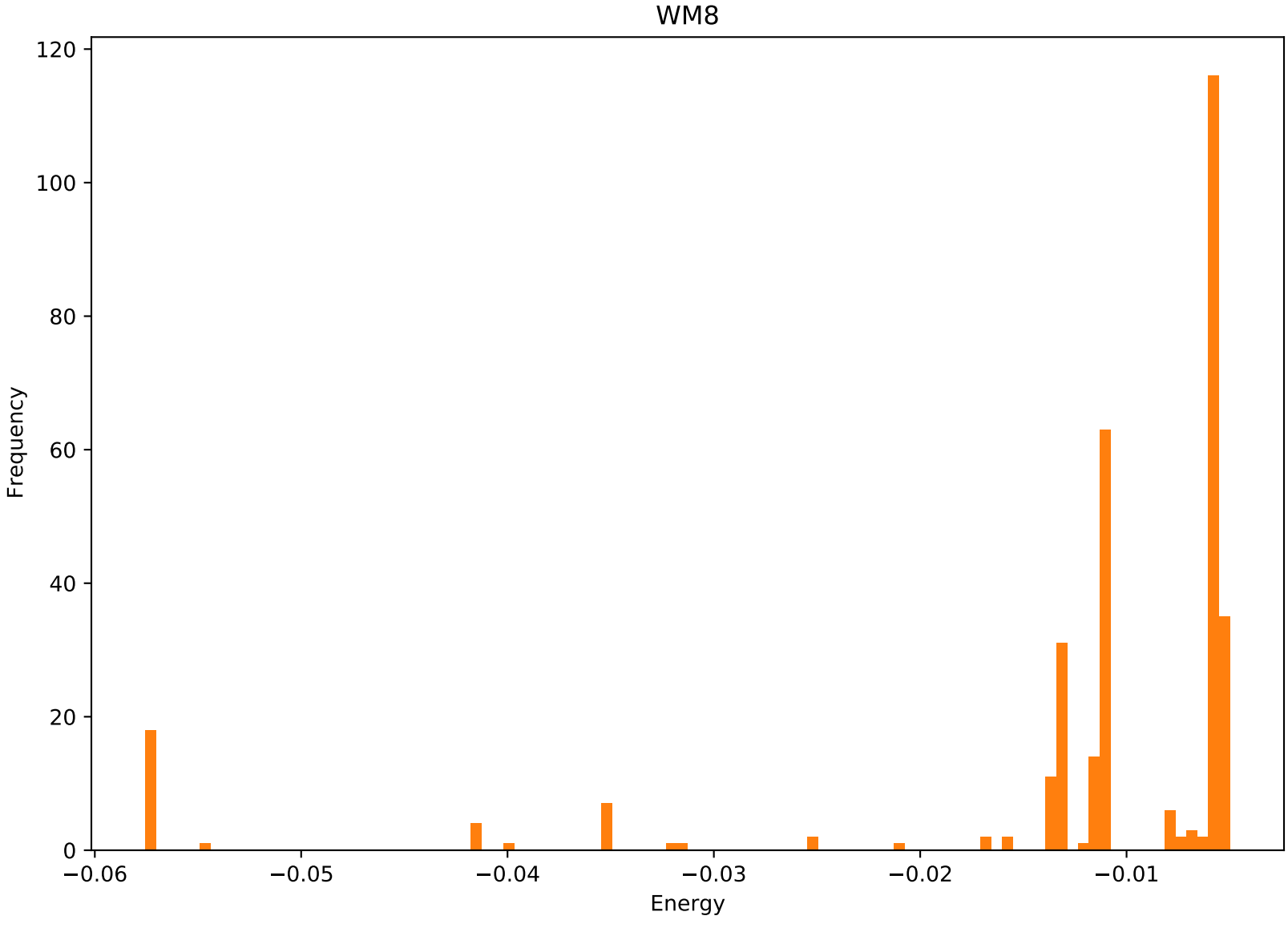

WM3
Frequency
Energy
0
10
20
30
40
50
60
−4.0
−3.5
−3.0
−2.5
−2.0

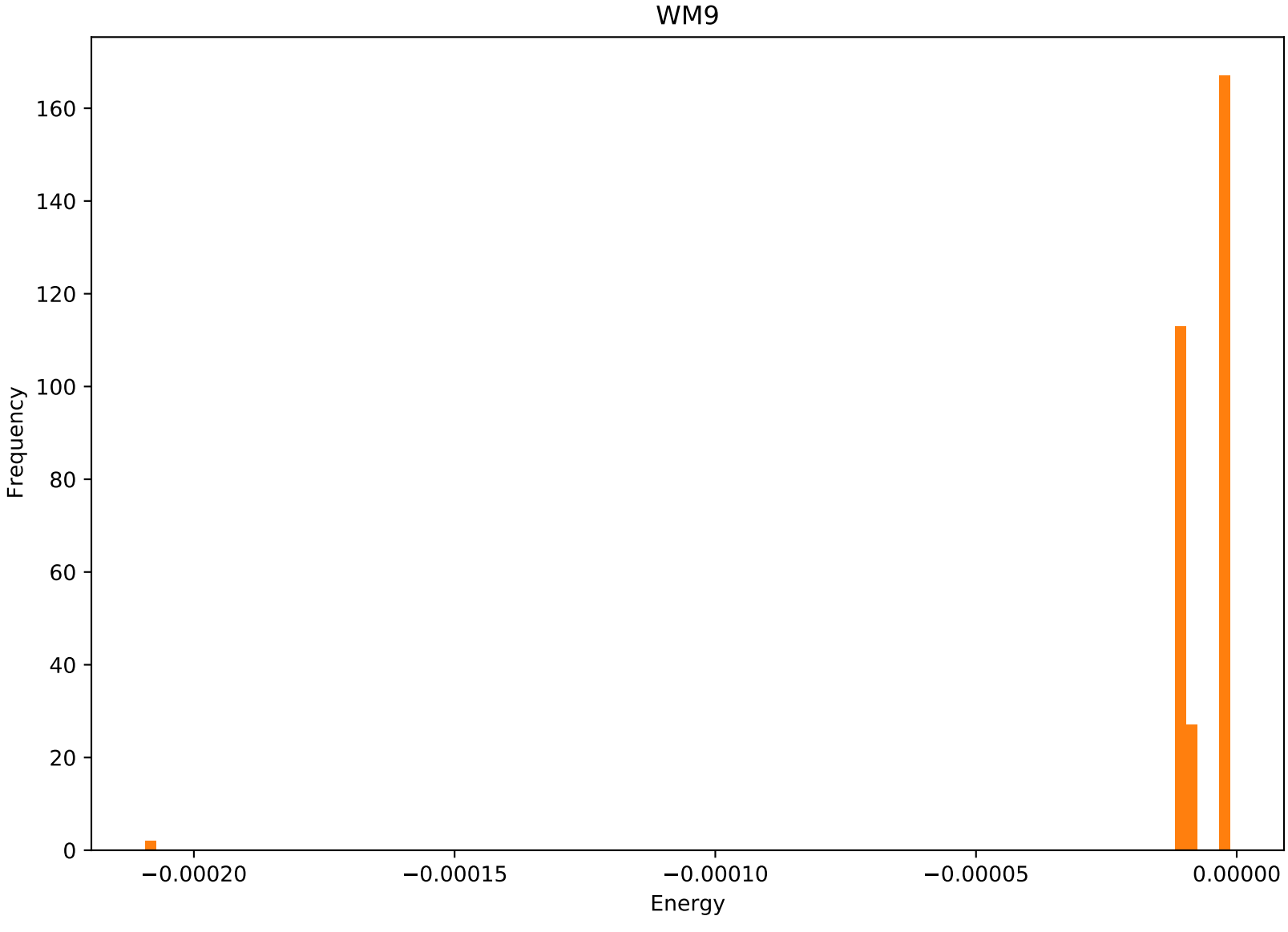

WM4
Frequency
Energy
175
150
125
100
75
50
25
0
−6
−5
−4
−3
−2
Base line: 5.001:97

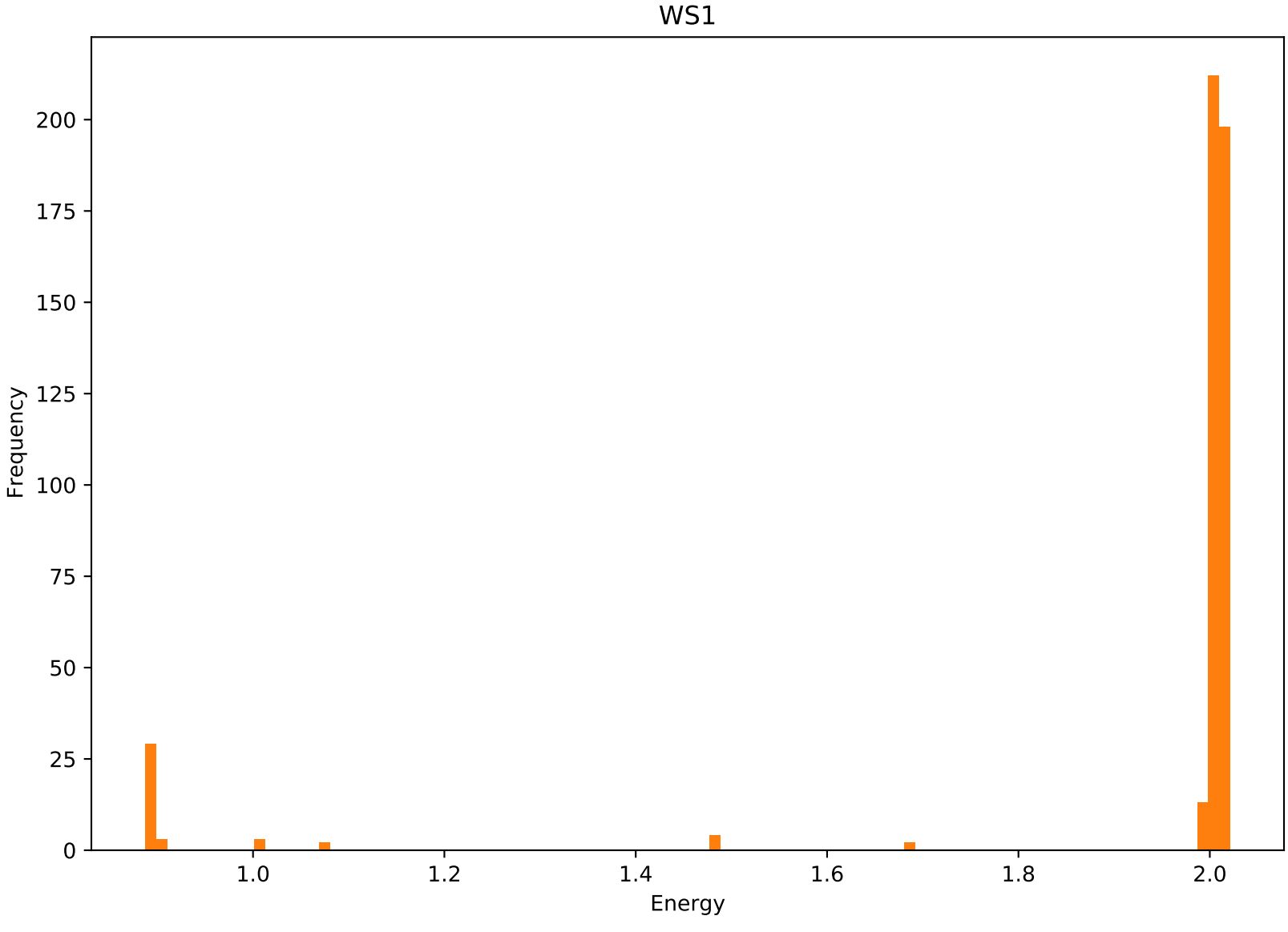

WM5
Frequency
160
140
120
100
80
60
40
20
0
−0.300
−0.275
−0.250
−0.225
−0.200
−0.175
−0.150
−0.125
Energy

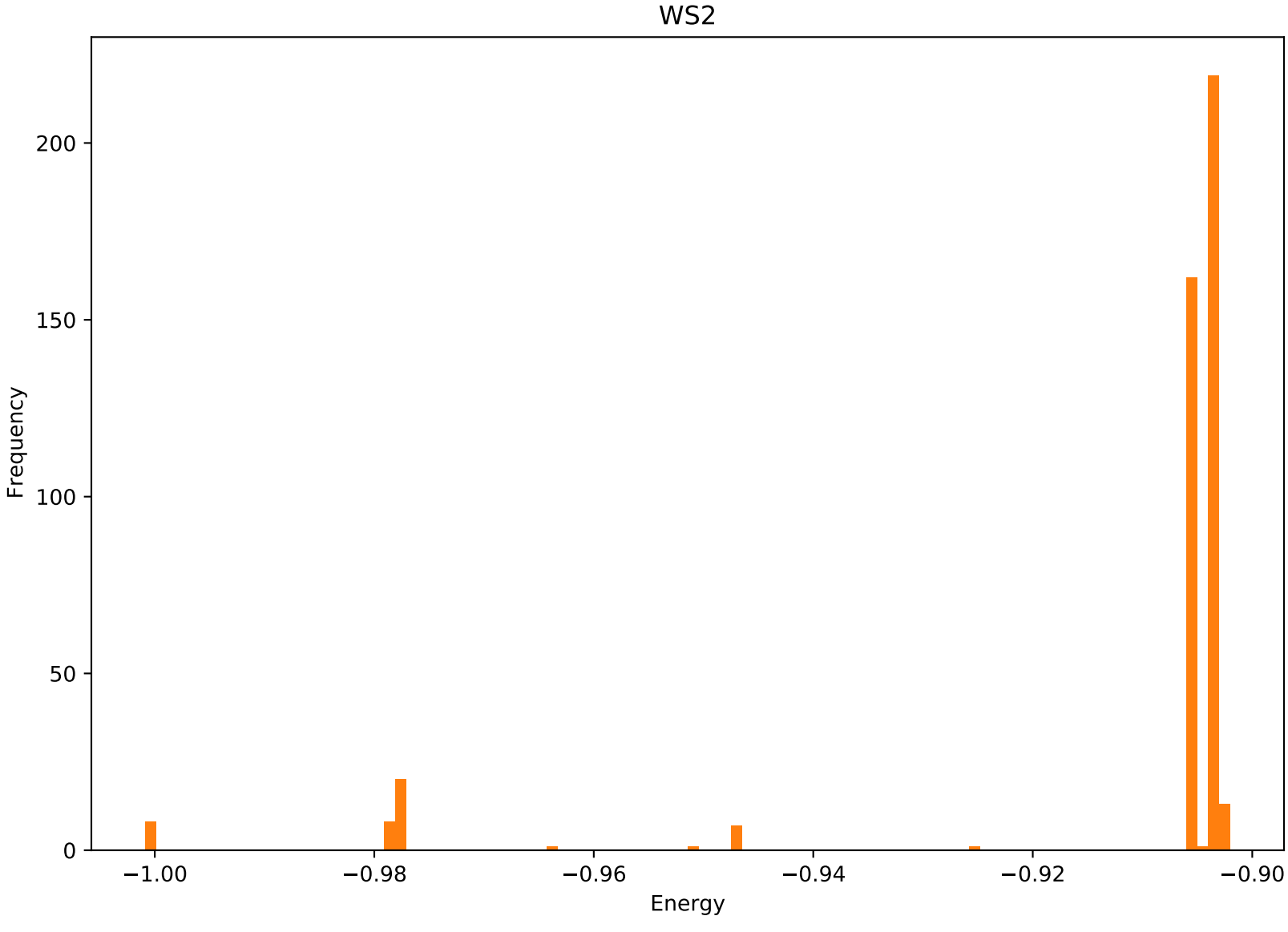

WM6
120
100
80
60
40
20
0
Frequency
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

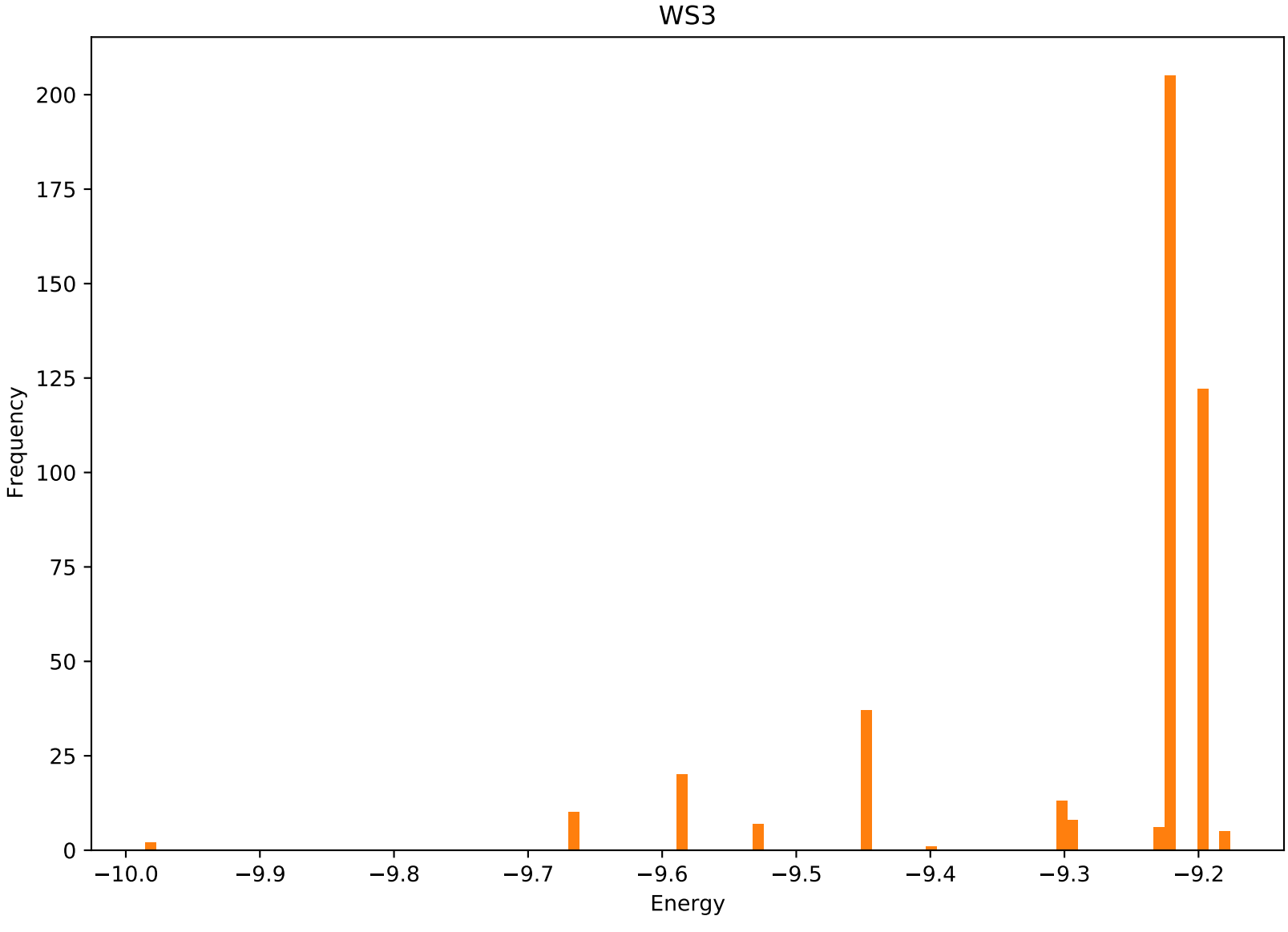

WM7
Frequency
Energy
0
20
40
60
80
100
−0.200
−0.175
−0.150
−0.125
−0.100
−0.075
−0.050
−0.025

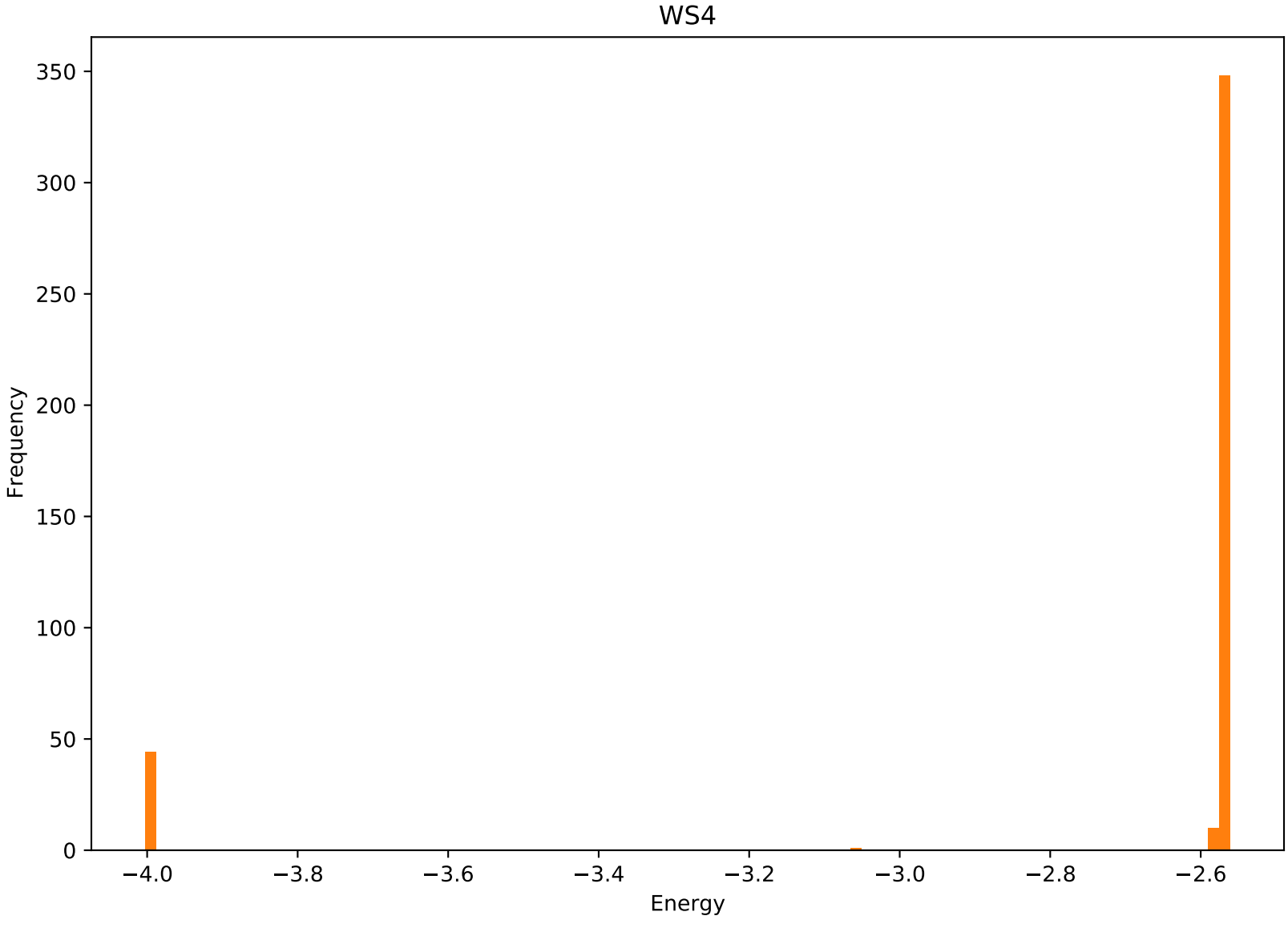

WM8
120
100
80
60
40
20
0
Frequency
−0.06
−0.05
−0.04
−0.03
−0.02
−0.01
Energy

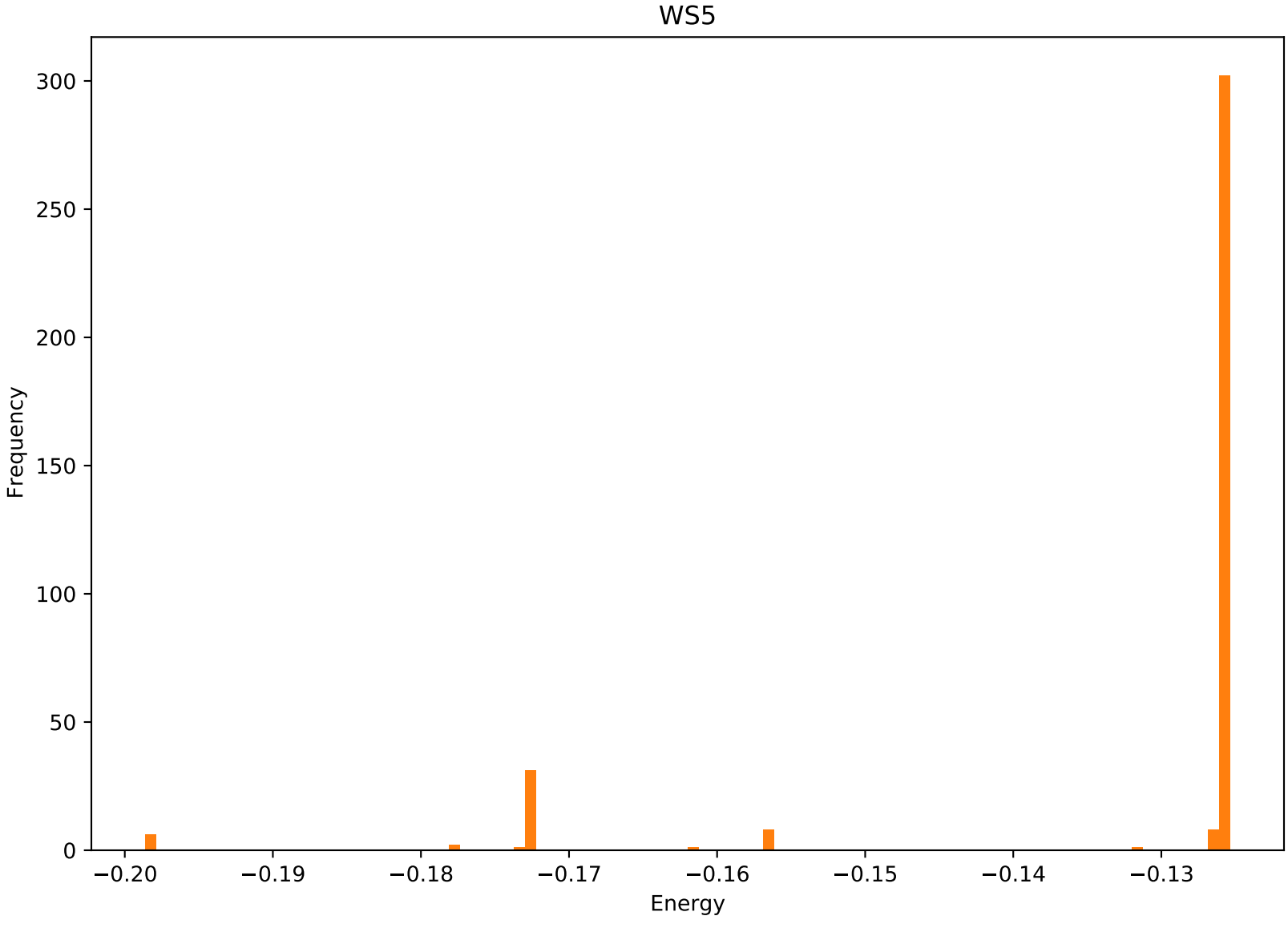

WM9
Frequency
160
140
120
100
80
60
40
20
0
−0.00020
−0.00015
−0.00010
−0.00005
0.00000
Energy

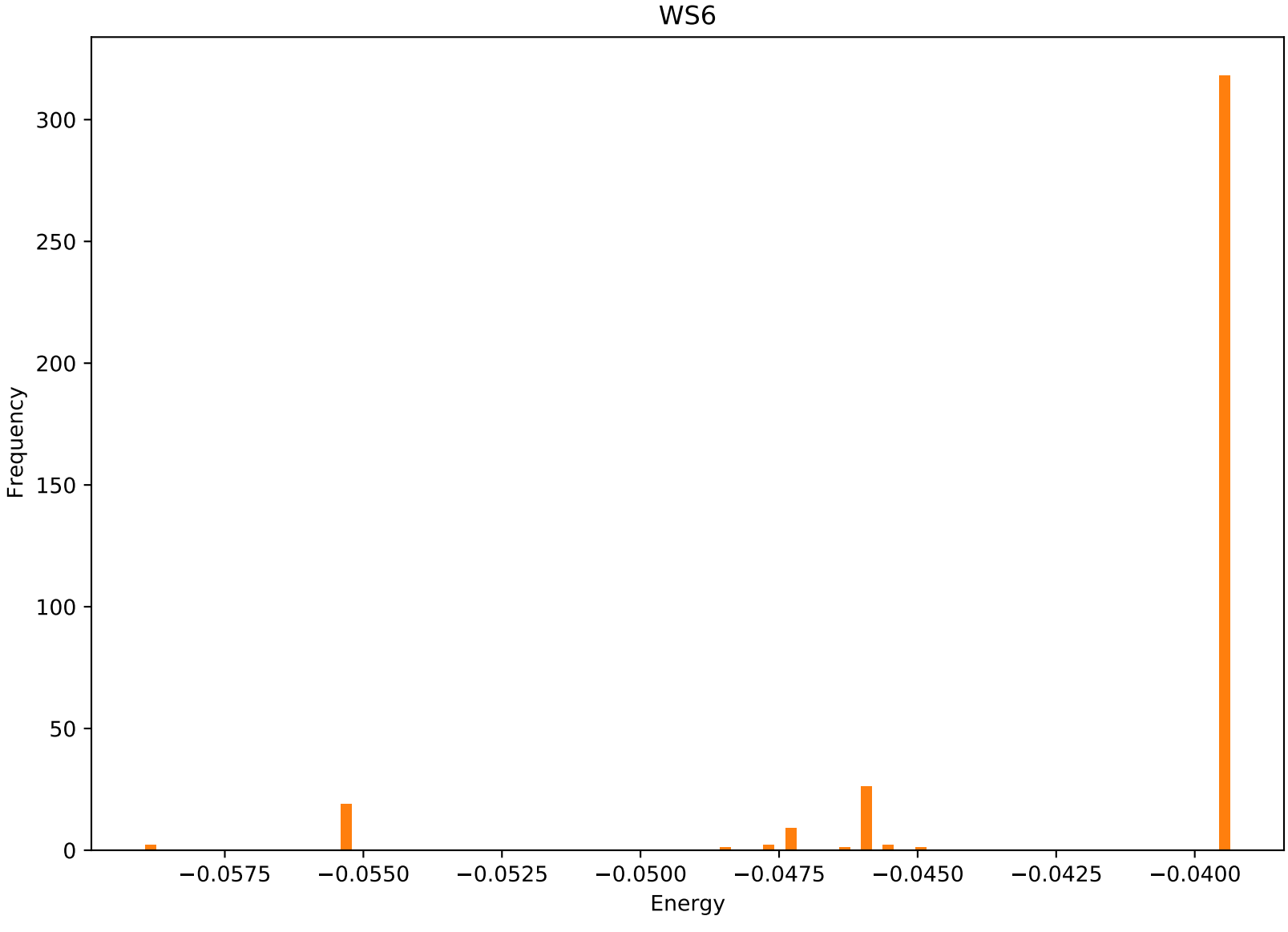

WS1
Frequency
Energy
0
25
50
75
100
125
150
175
200
1.0
1.2
1.4
1.6
1.8
2.0

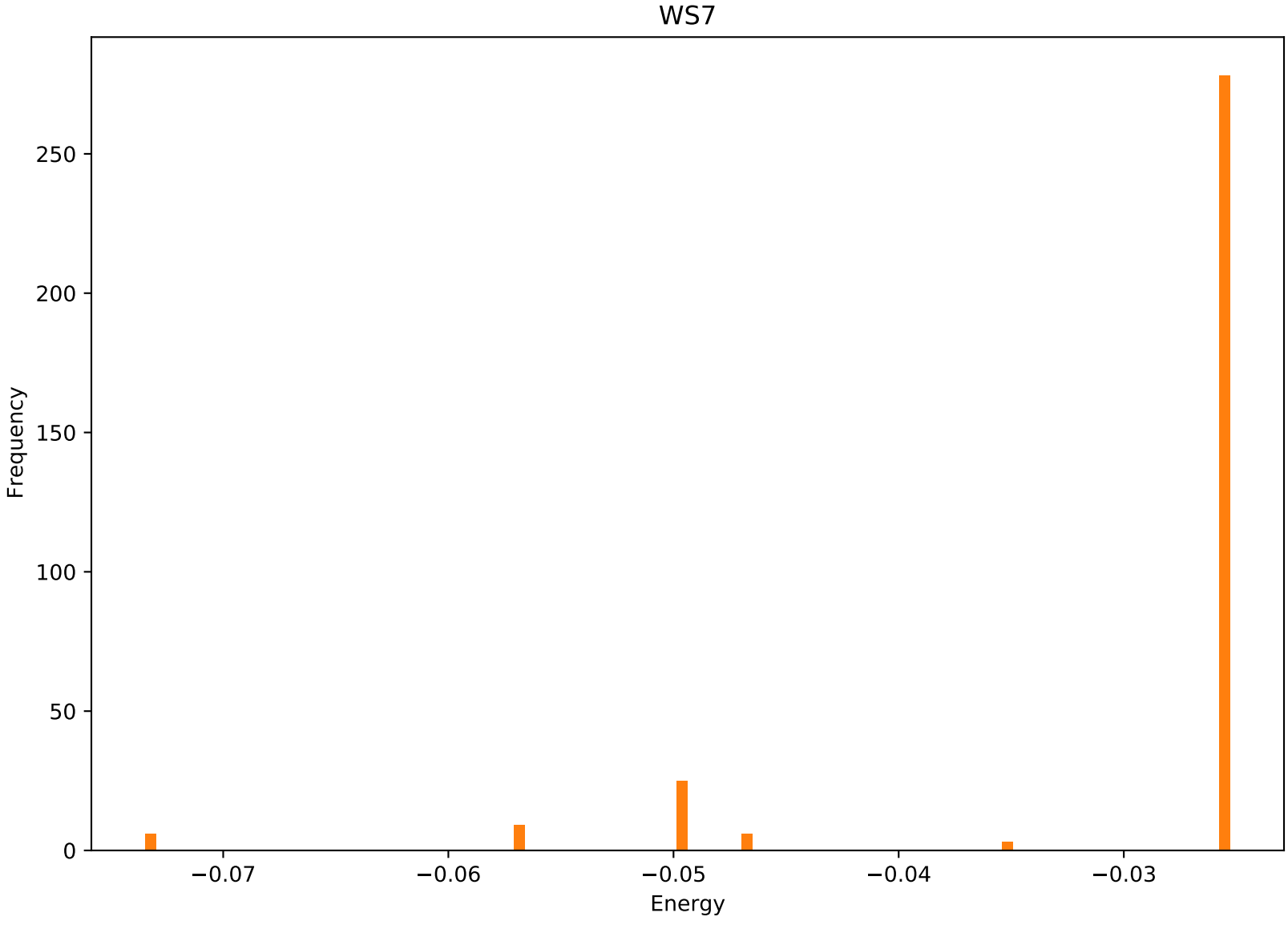

WS2
200
150
100
50
0
Frequency
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
Energy

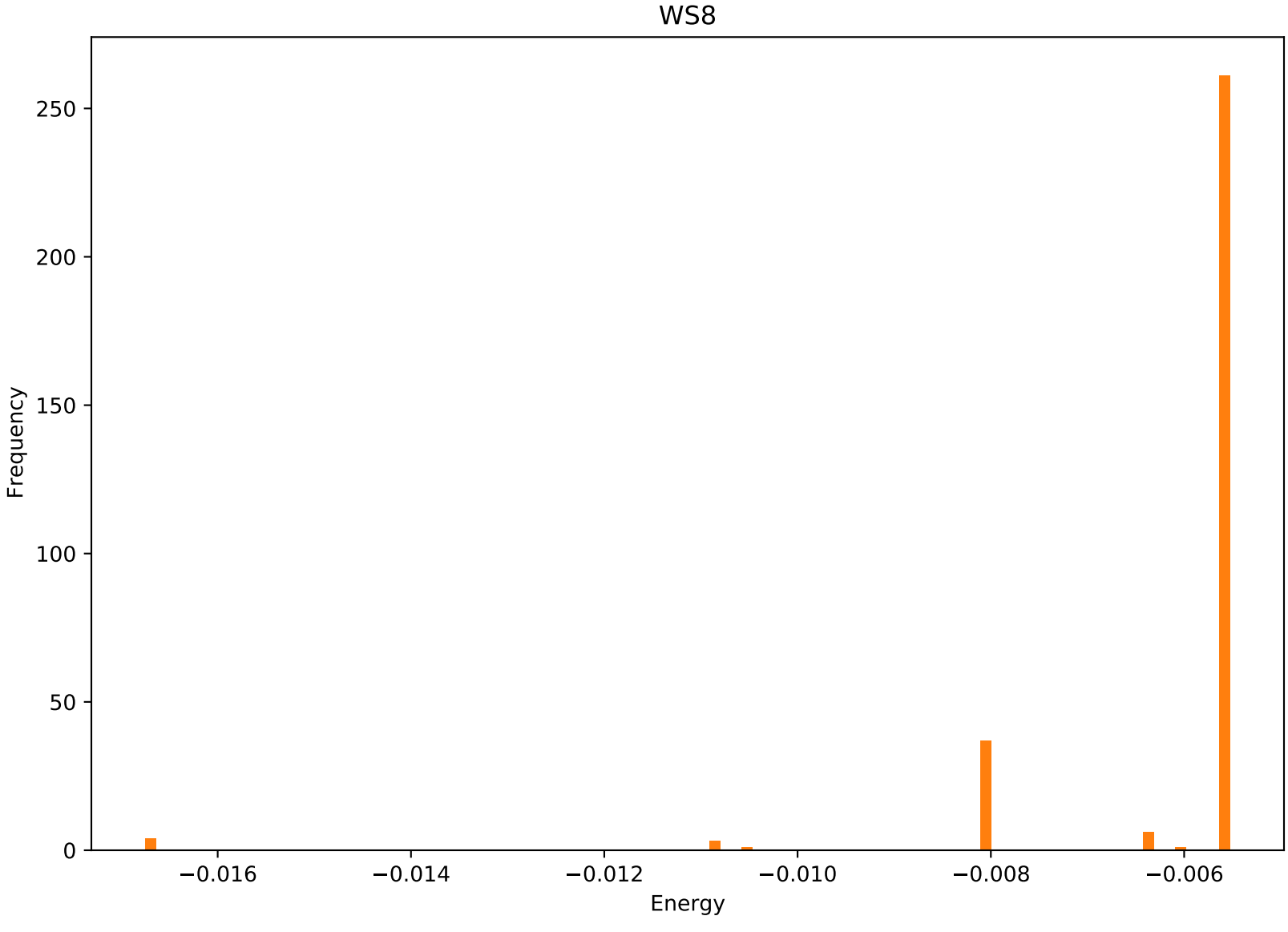

WS3
Frequency
Energy
0
25
50
75
100
125
150
175
200
−10.0
−9.9
−9.8
−9.7
−9.6
−9.5
−9.4
−9.3
−9.2

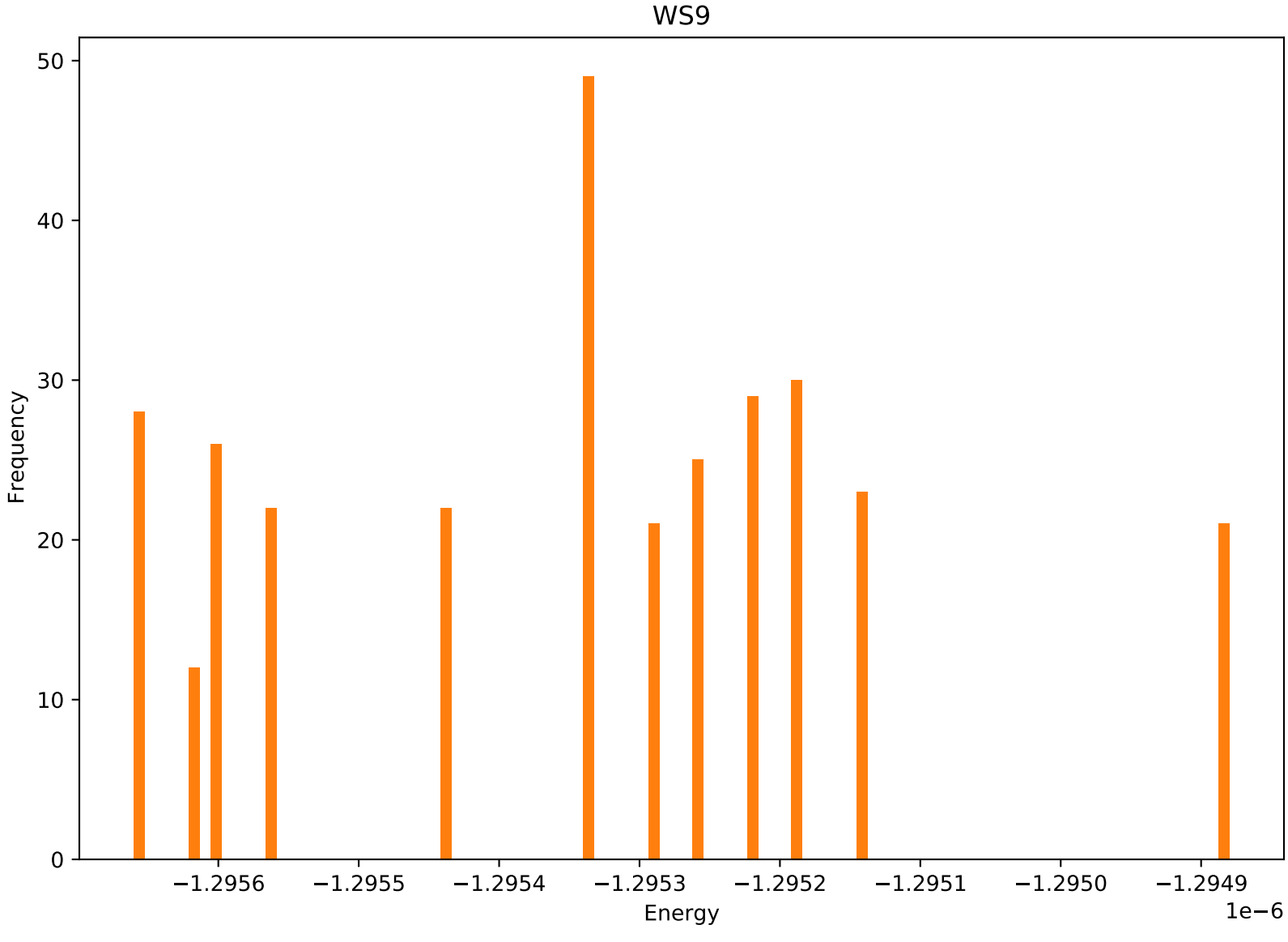

WS4
Frequency
Energy
0
50
100
150
200
250
300
350
−4.0
−3.8
−3.6
−3.4
−3.2
−3.0
−2.8
−2.6

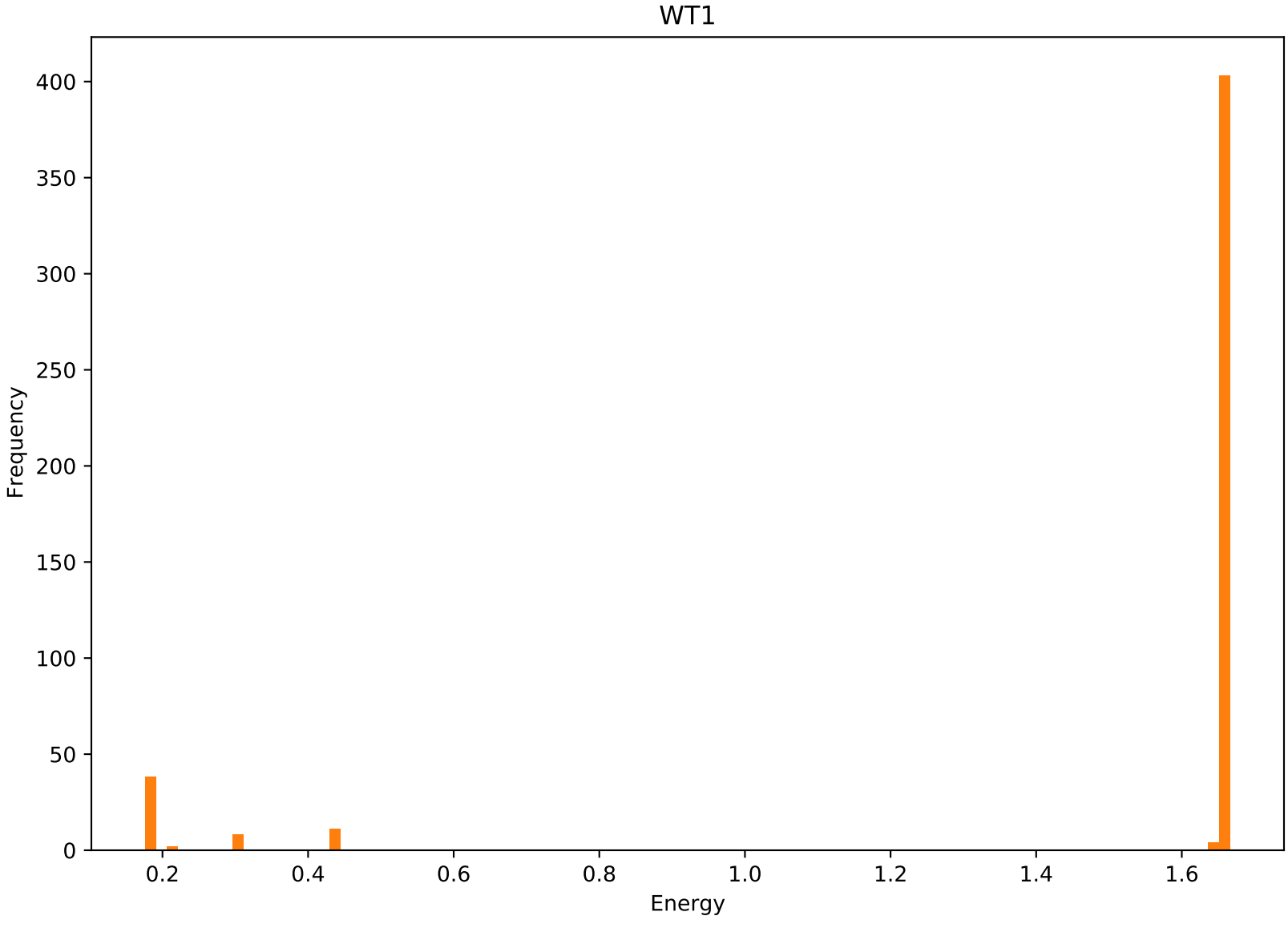

WS5
Frequency
300
250
200
150
100
50
0
−0.20
−0.19
−0.18
−0.17
−0.16
−0.15
−0.14
−0.13
Energy

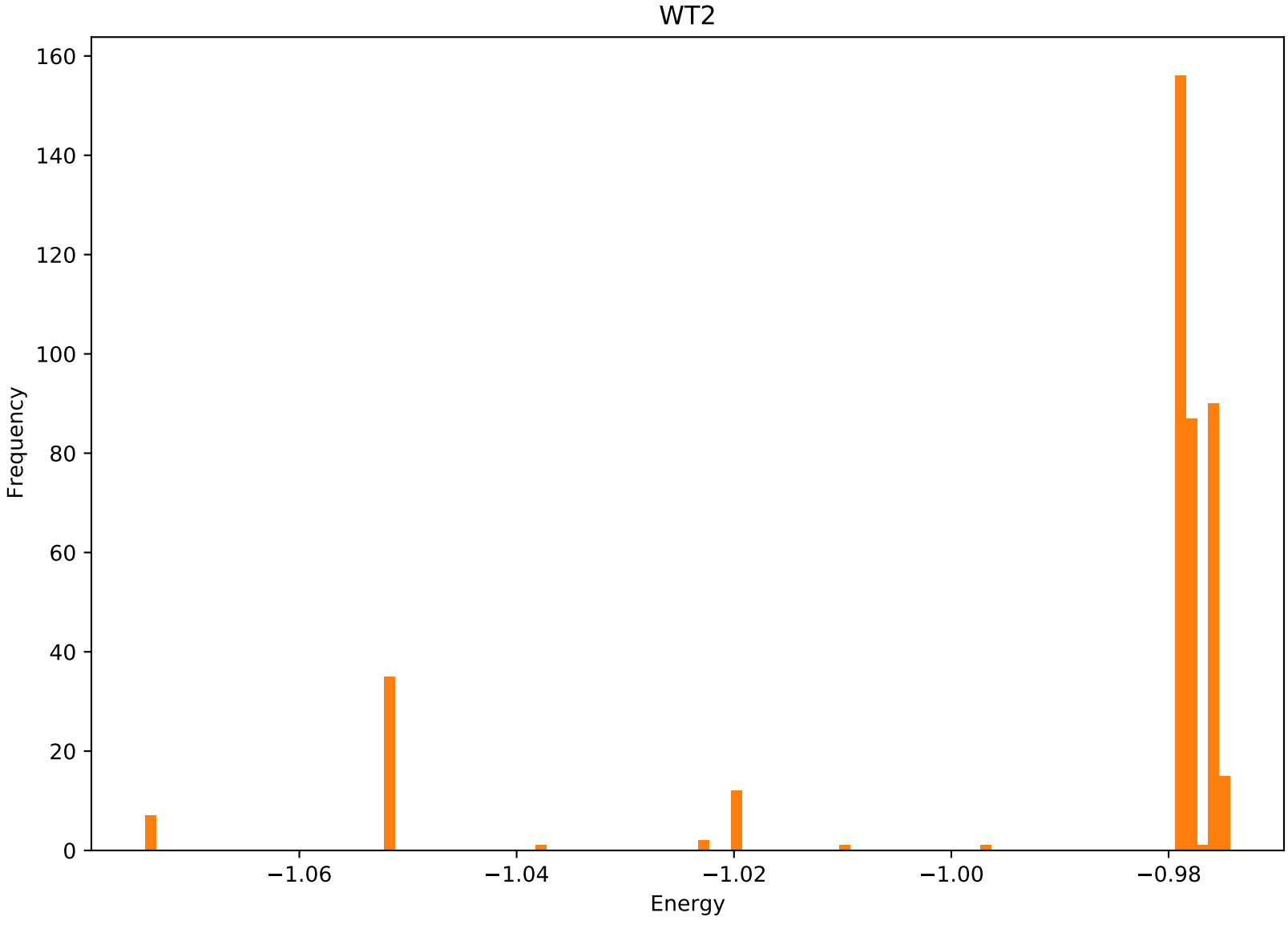

WS6
Frequency
Energy
0
50
100
150
200
250
300
−0.0575
−0.0550
−0.0525
−0.0500
−0.0475
−0.0450
−0.0425
−0.0400

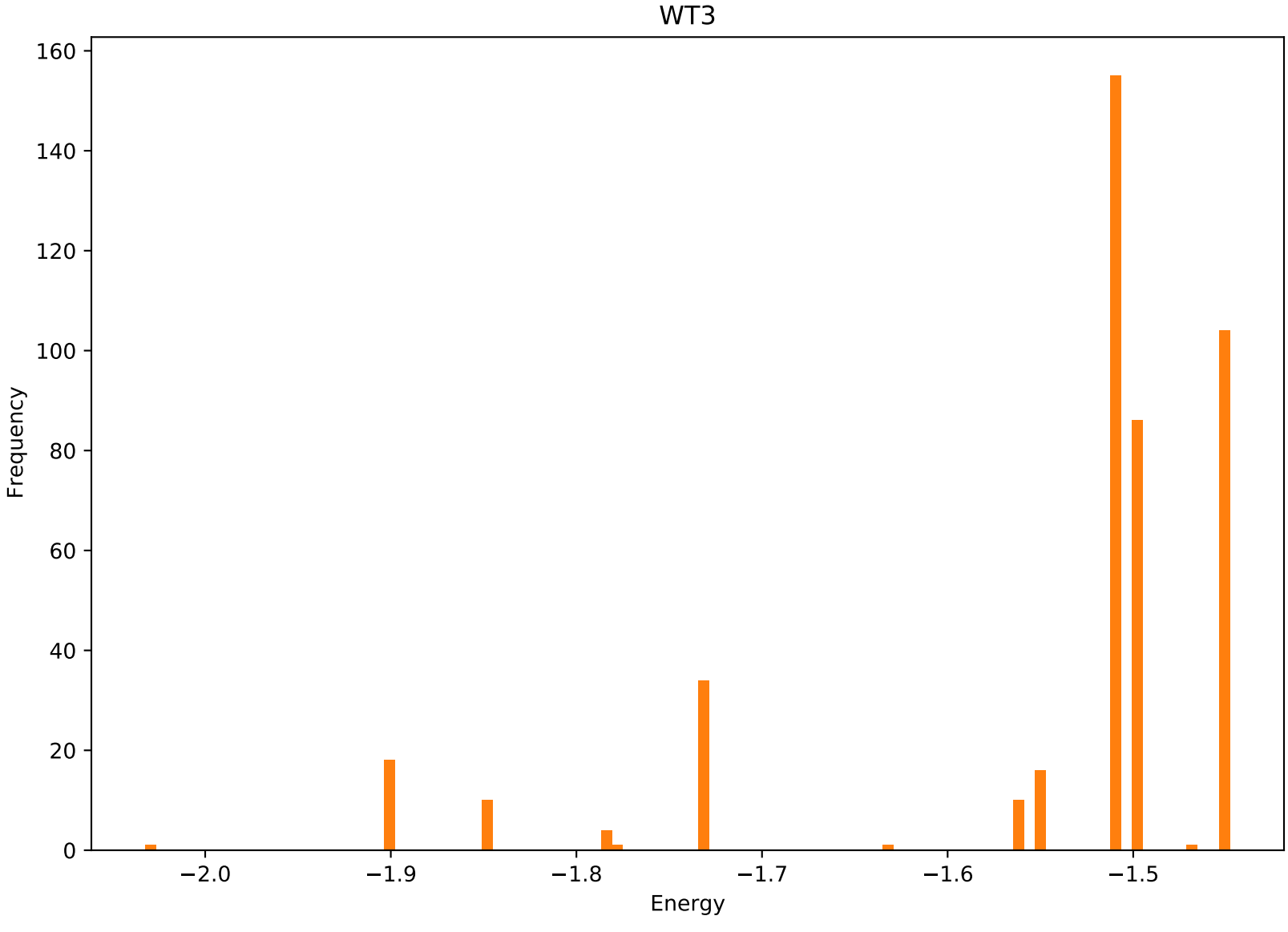

WS7
250
200
150
100
50
0
Frequency
−0.07
−0.06
−0.05
−0.04
−0.03
Energy

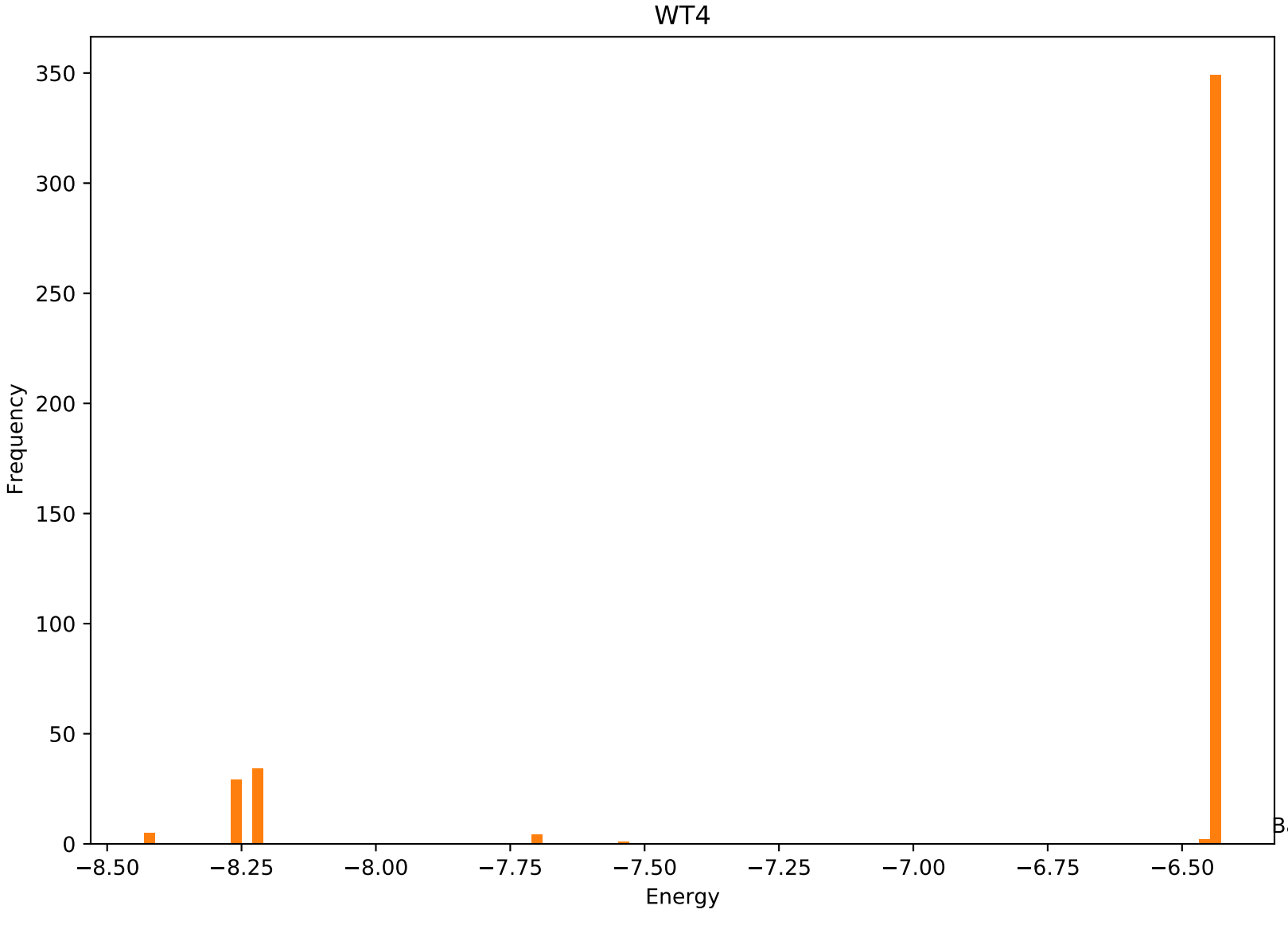

WS8
250
200
150
100
50
0
Frequency
−0.016
−0.014
−0.012
−0.010
−0.008
−0.006
Energy


WS9
Frequency
0
10
20
30
40
50
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

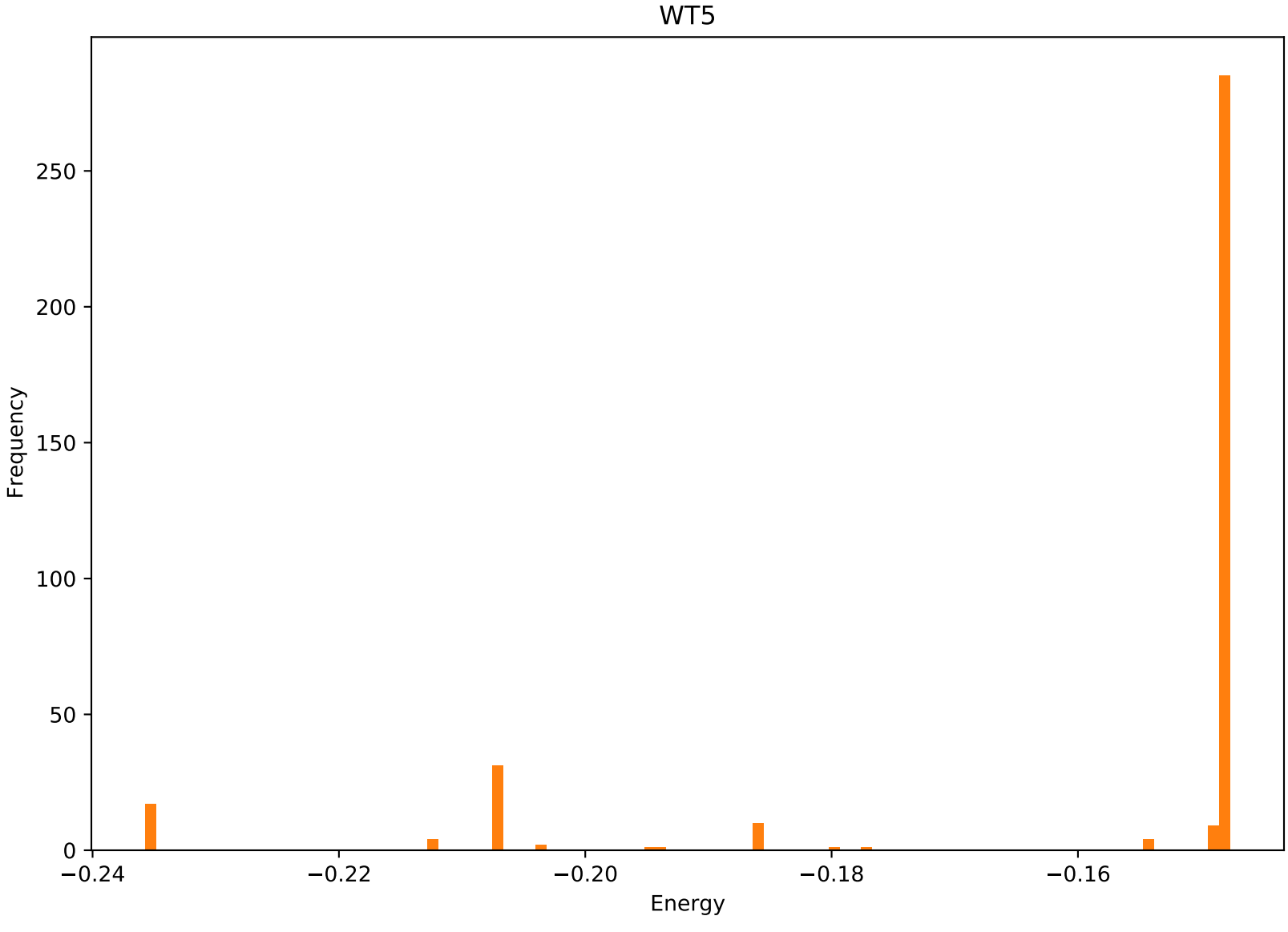

WT1
Frequency
Energy
0
50
100
150
200
250
300
350
400
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6

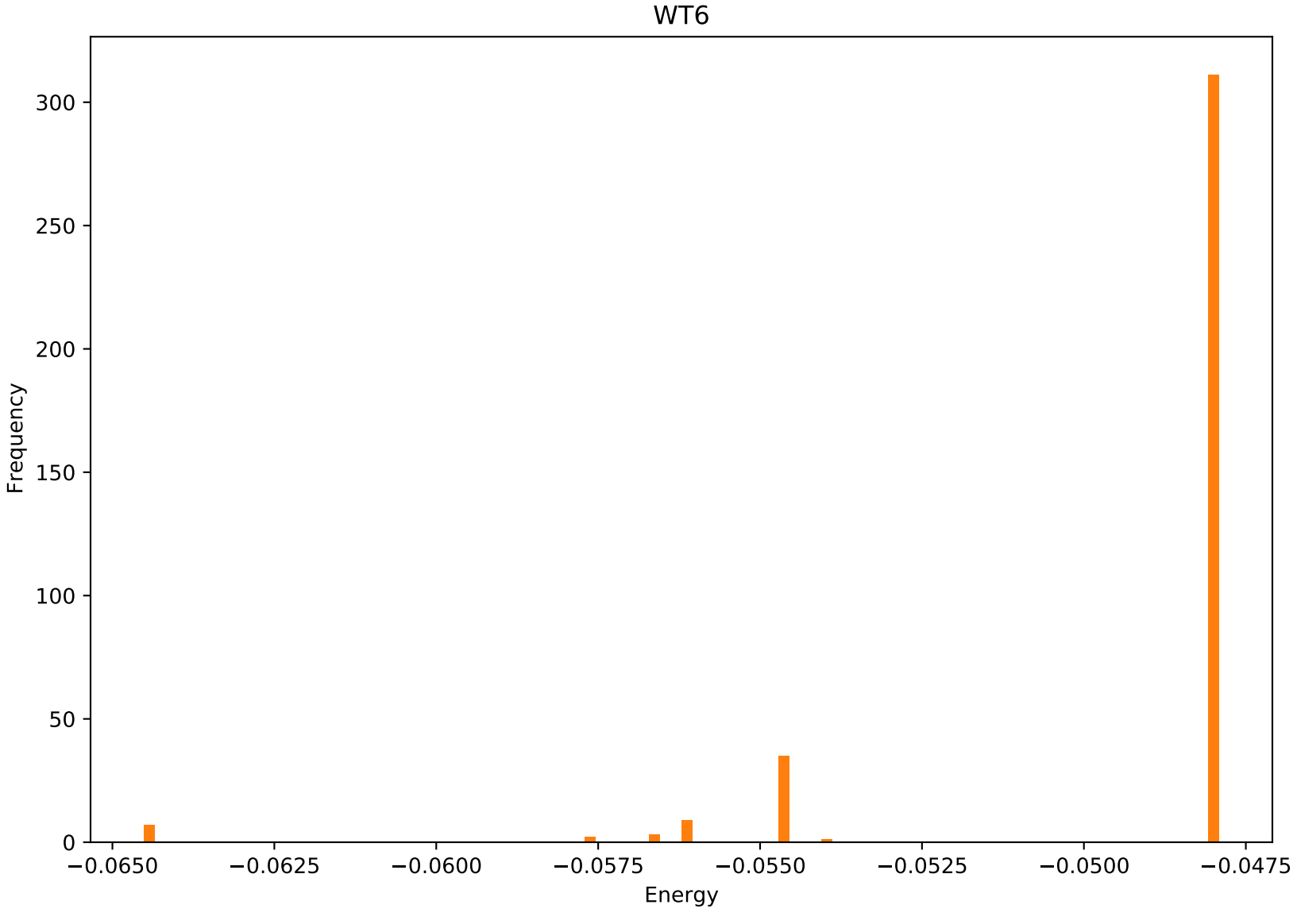

WT2
Frequency
160
140
120
100
80
60
40
20
0
−1.06
−1.04
−1.02
−1.00
−0.98
Energy

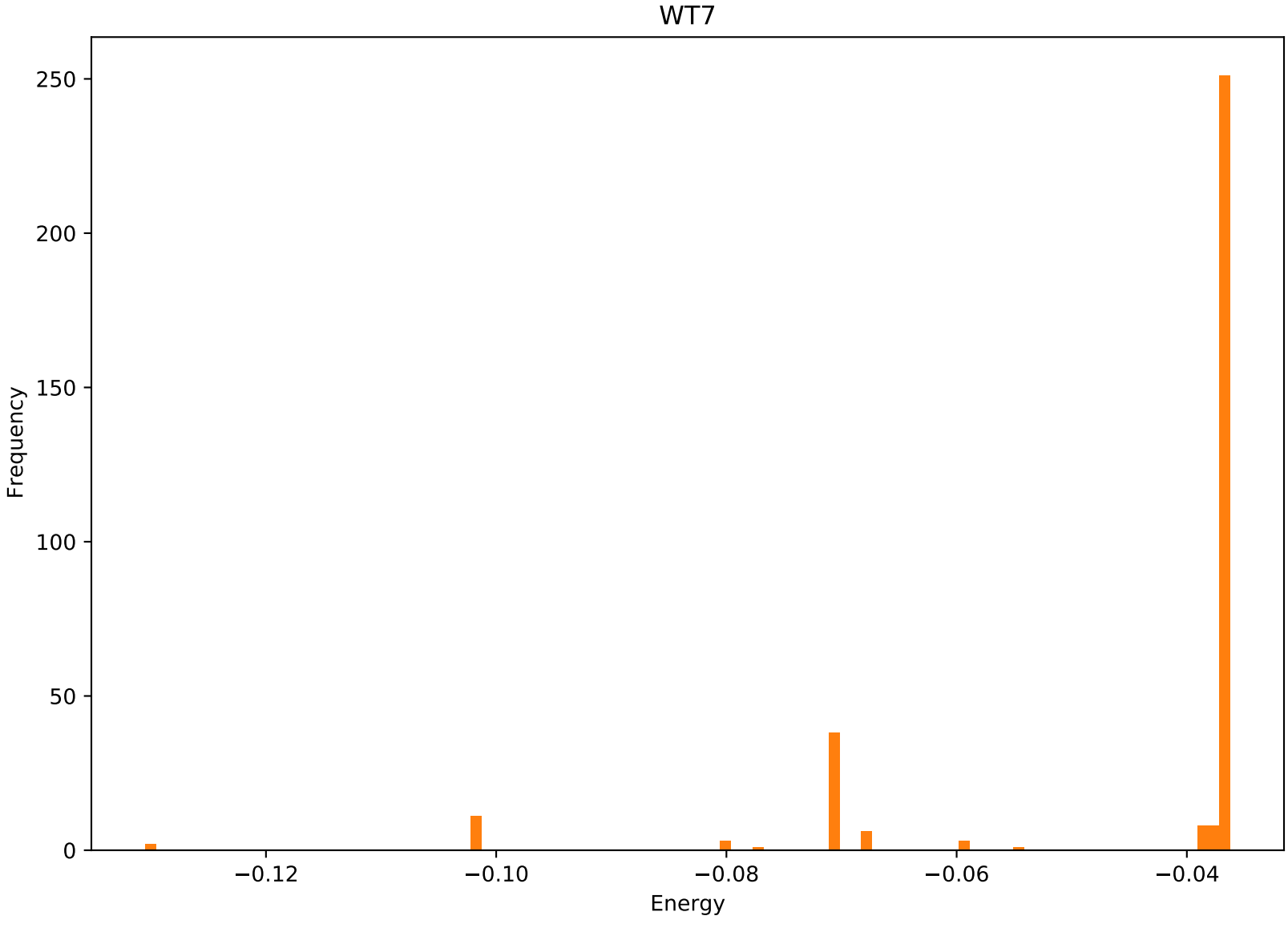

WT3
Frequency
Energy
160
140
120
100
80
60
40
20
0
−2.0
−1.9
−1.8
−1.7
−1.6
−1.5

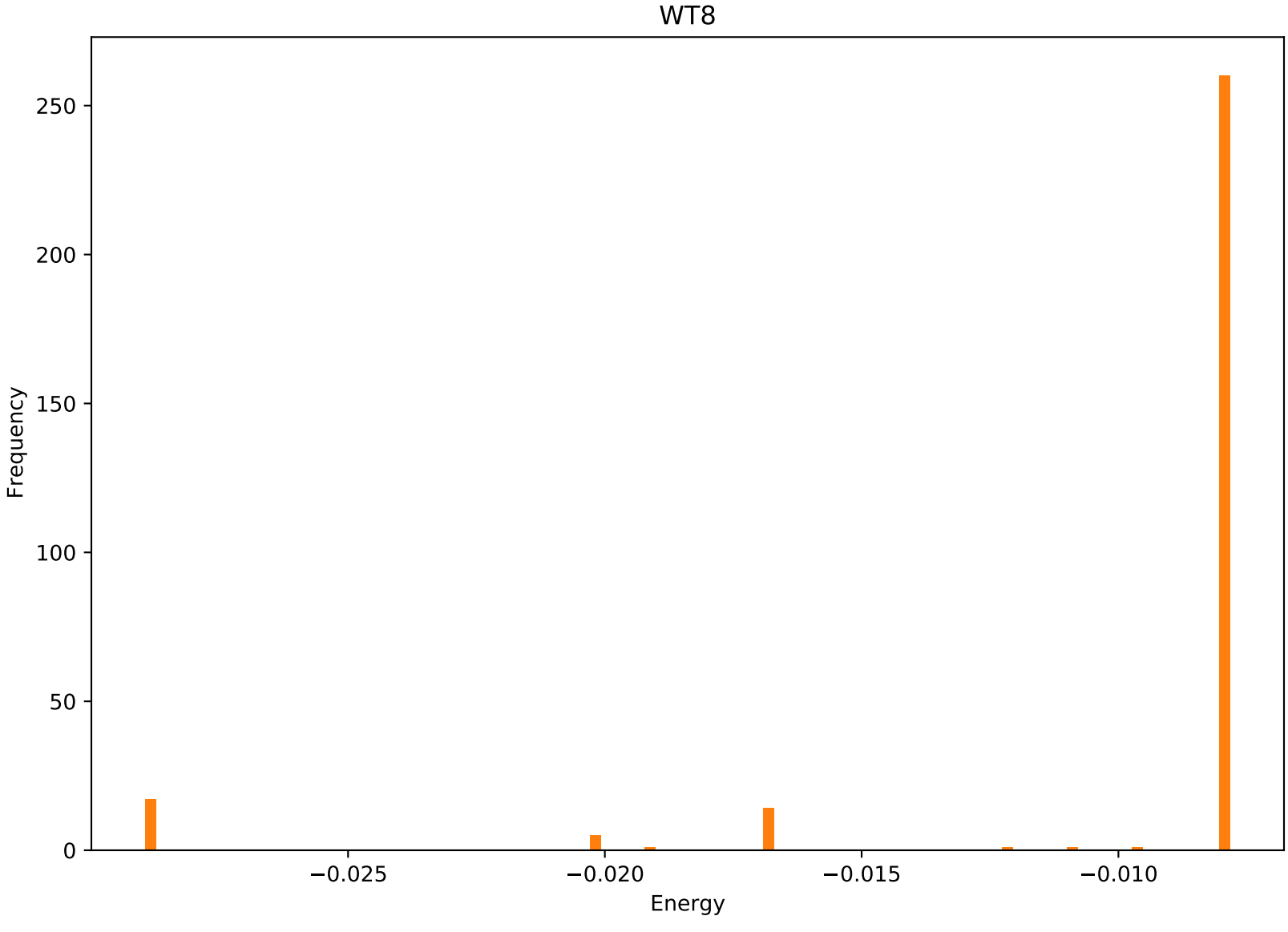

WT4
Frequency
Energy
0
50
100
150
200
250
300
350
−8.50
−8.25
−8.00
−7.75
−7.50
−7.25
−7.00
−6.75
−6.50

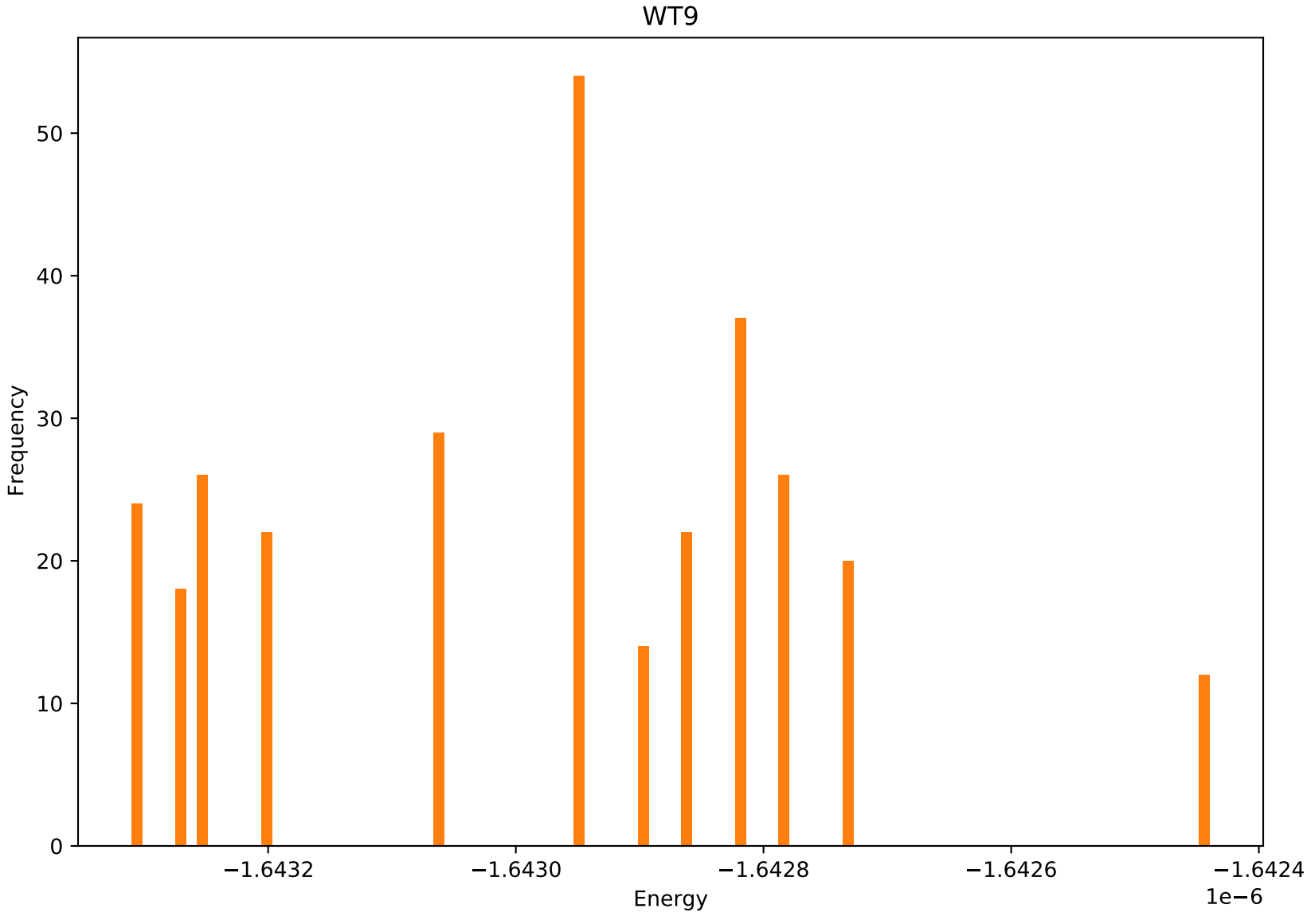
Baseline:

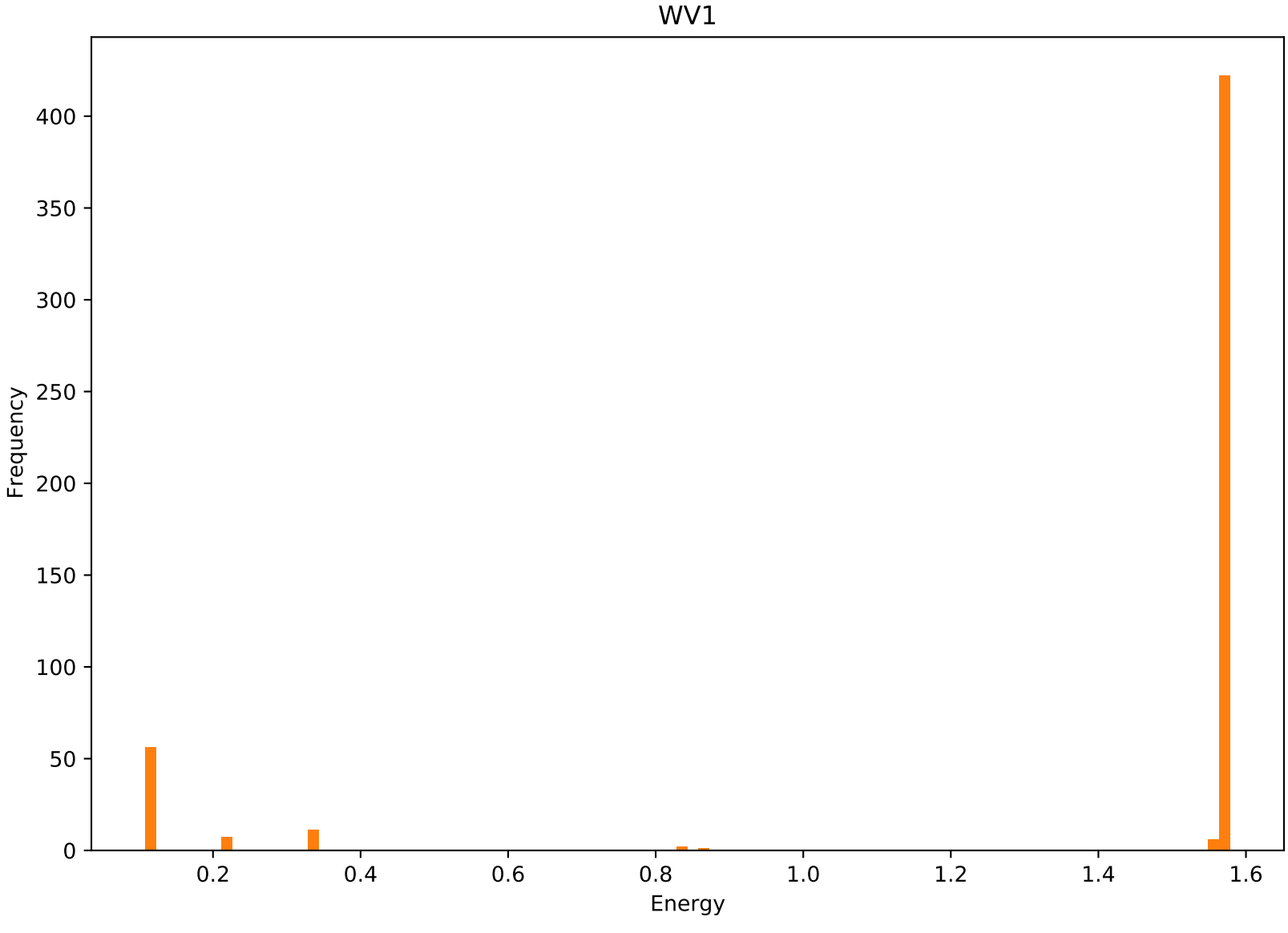

WT5
Frequency
250
200
150
100
50
0
−0.24
−0.22
−0.20
−0.18
−0.16
Energy

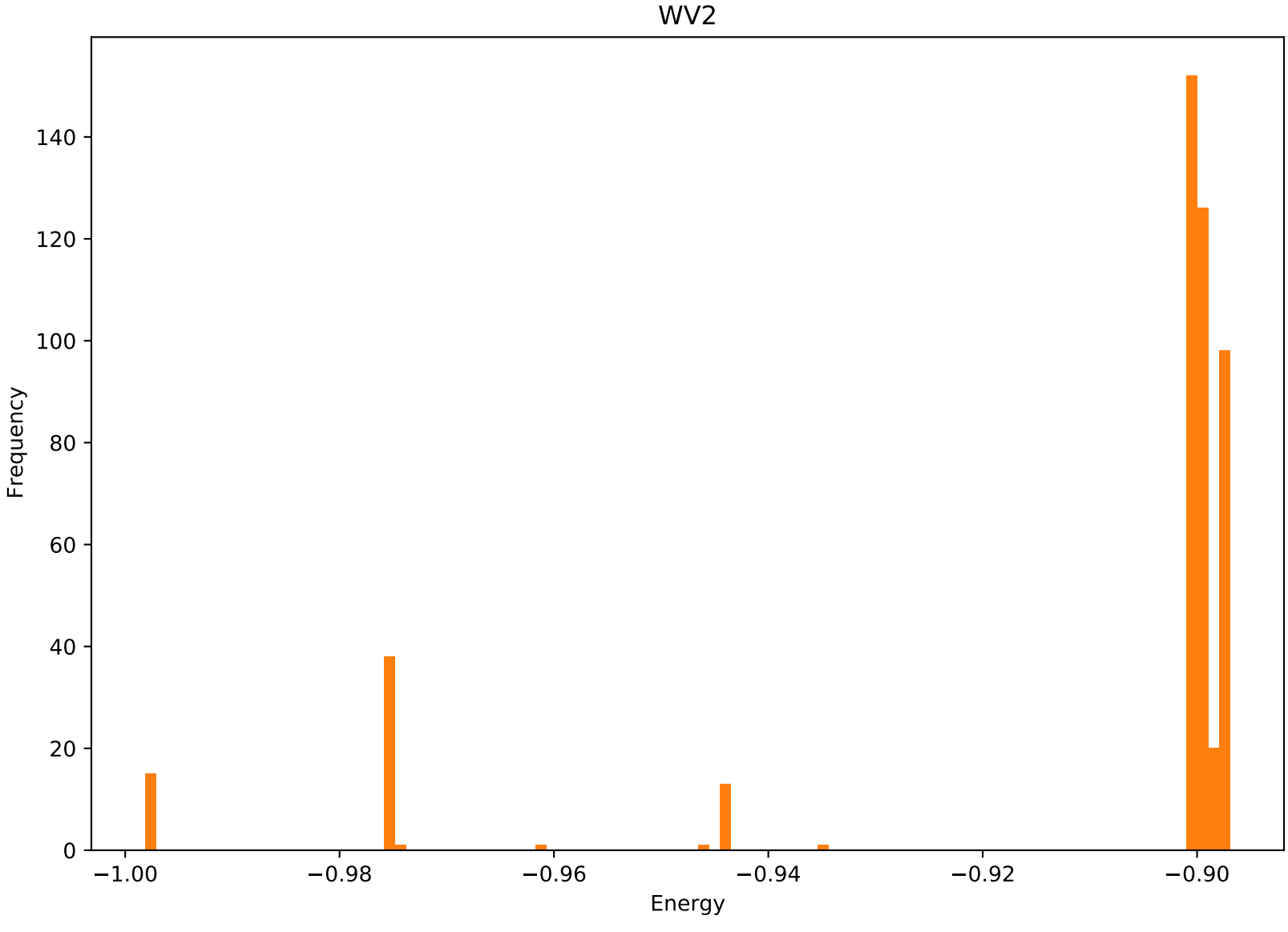

WT6
Frequency
300
250
200
150
100
50
0
−0.0650
−0.0625
−0.0600
−0.0575
−0.0550
−0.0525
−0.0500
−0.0475
Energy

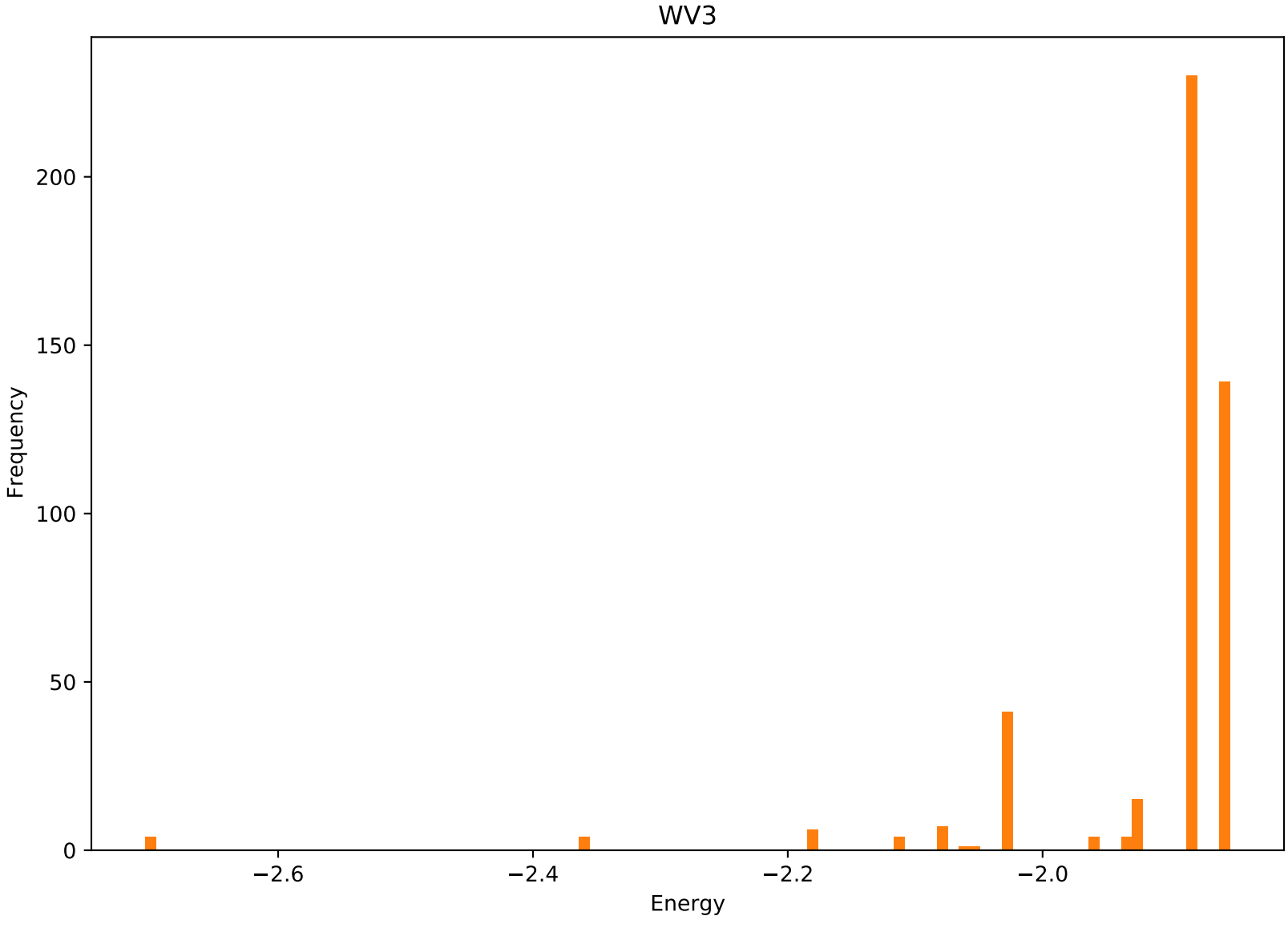

WT7
Frequency
250
200
150
100
50
0
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

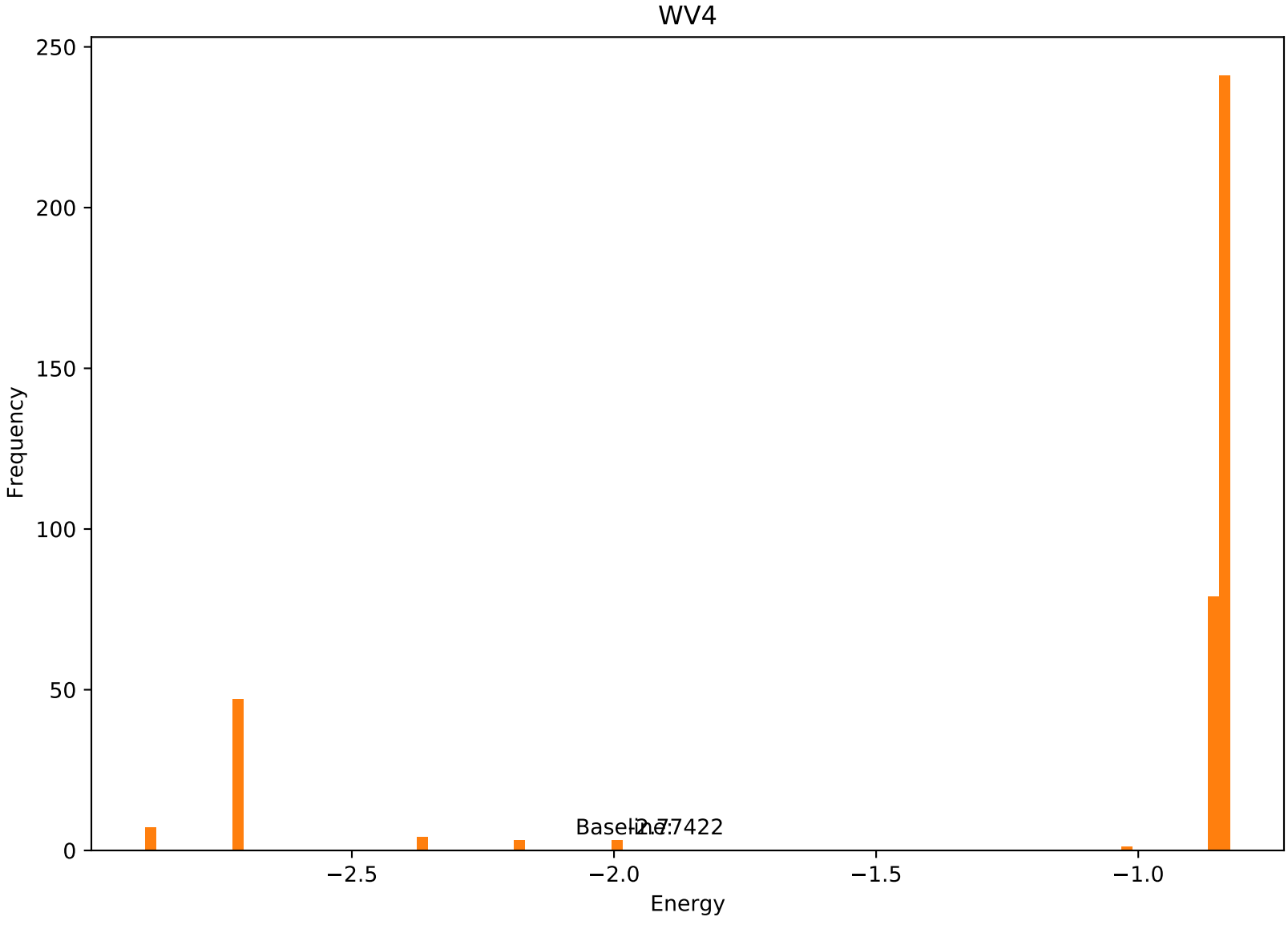

WT8
Frequency
250
200
150
100
50
0
−0.025
−0.020
−0.015
−0.010
Energy

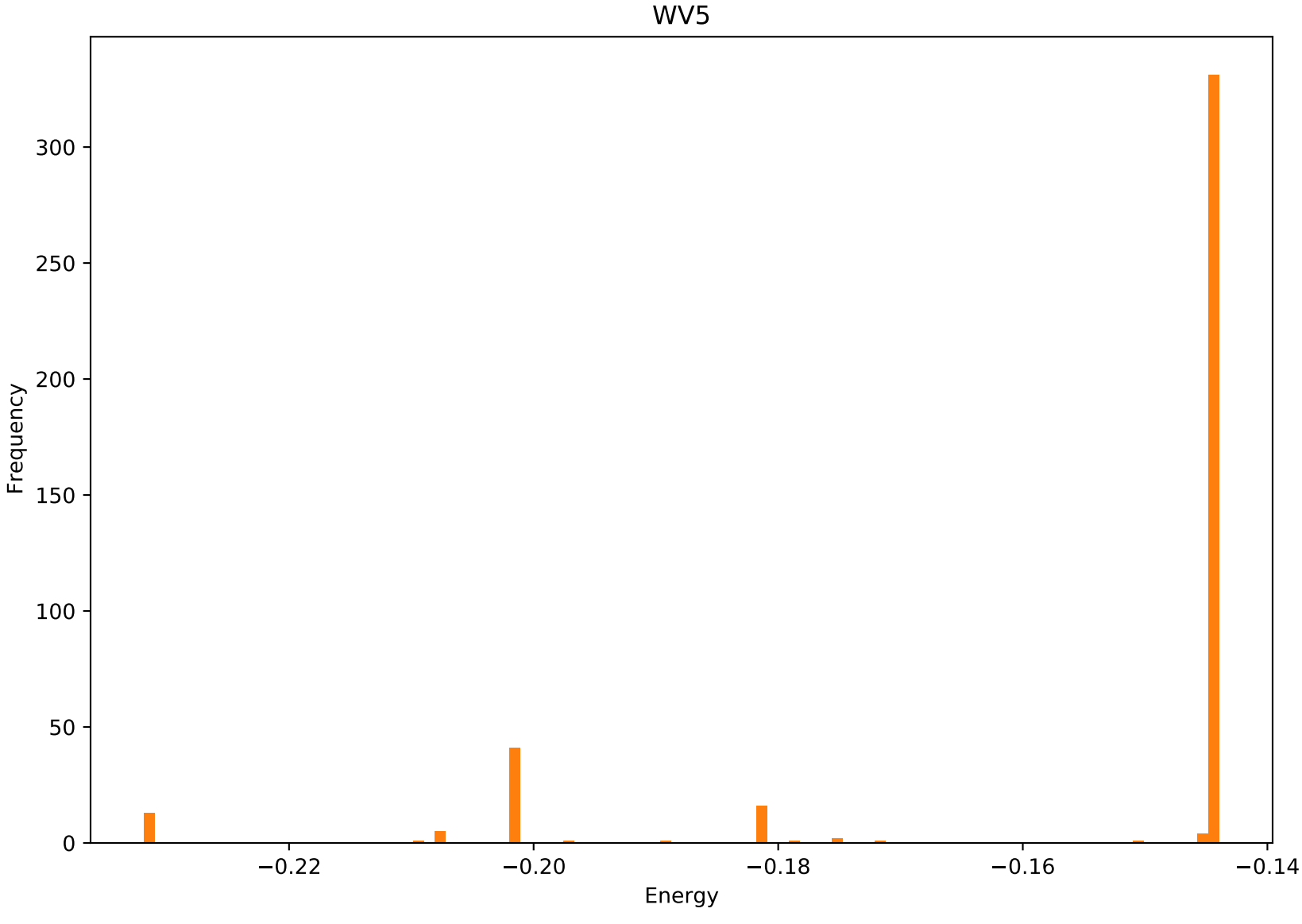

WT9
Frequency
0
10
20
30
40
50
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

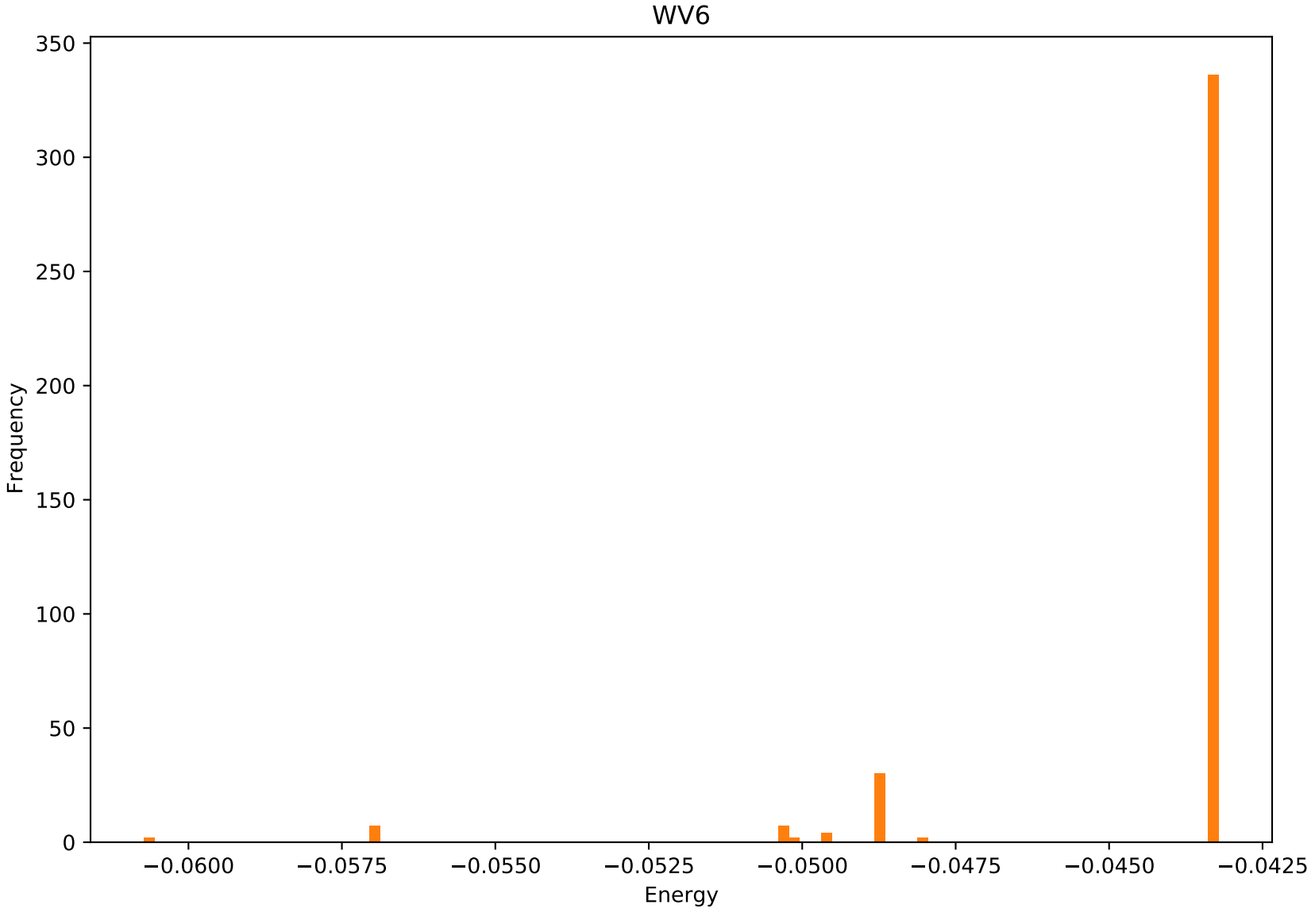

WV1
Frequency
Energy
0
50
100
150
200
250
300
350
400
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6

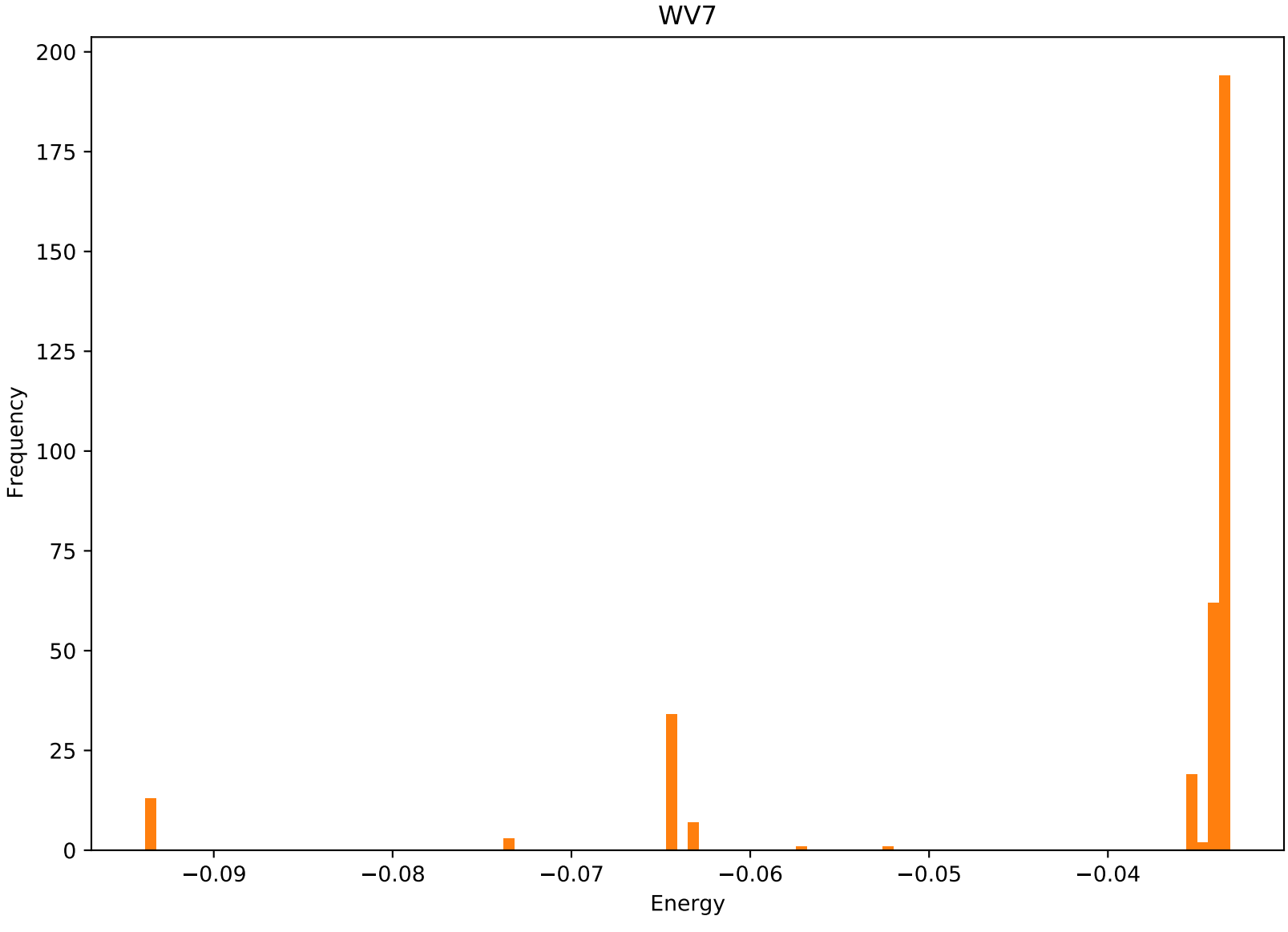

WV2
Frequency
Energy
0
20
40
60
80
100
120
140
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90

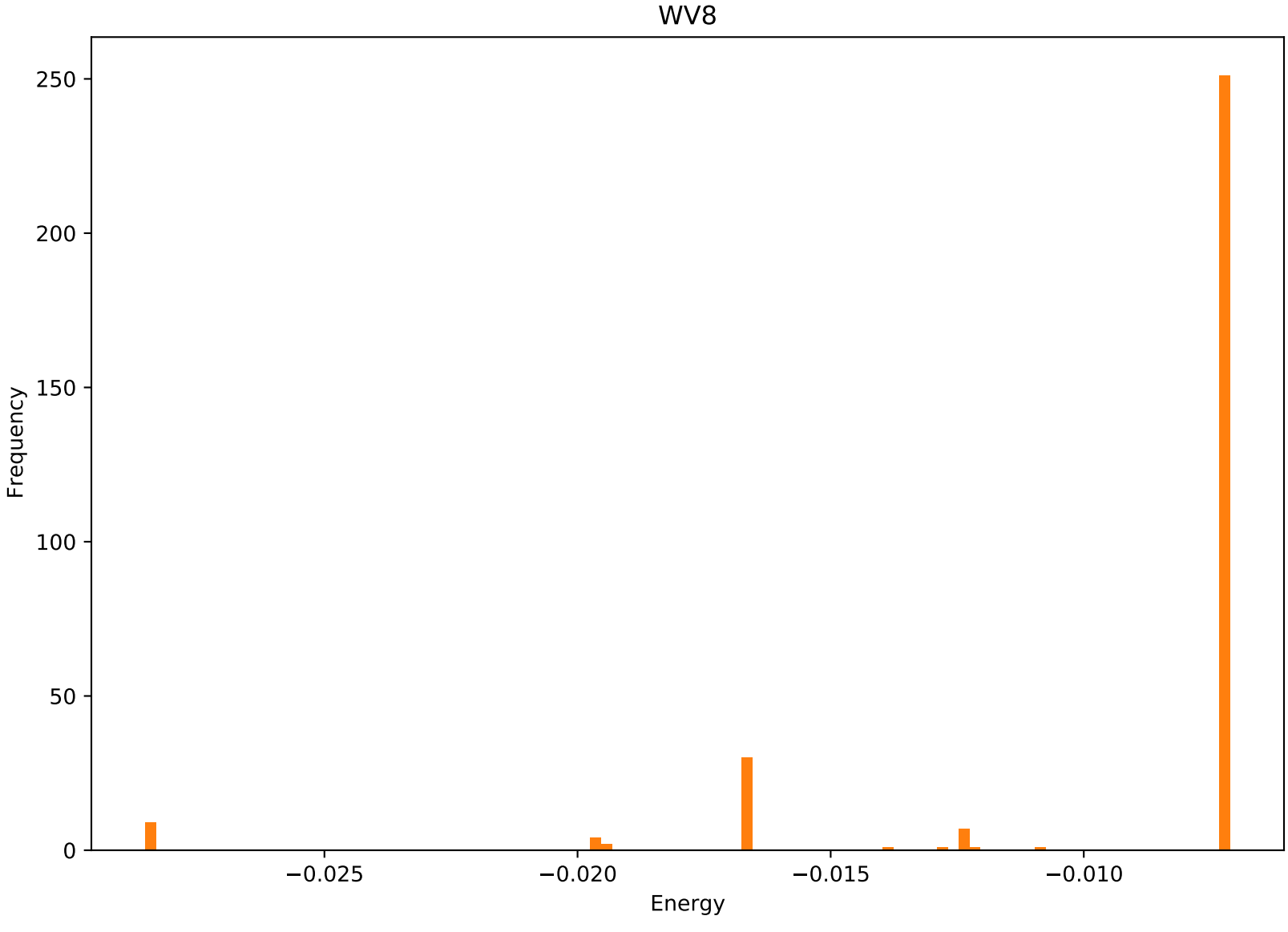

WV3
Frequency
200
150
100
50
0
−2.6
−2.4
−2.2
−2.0
Energy

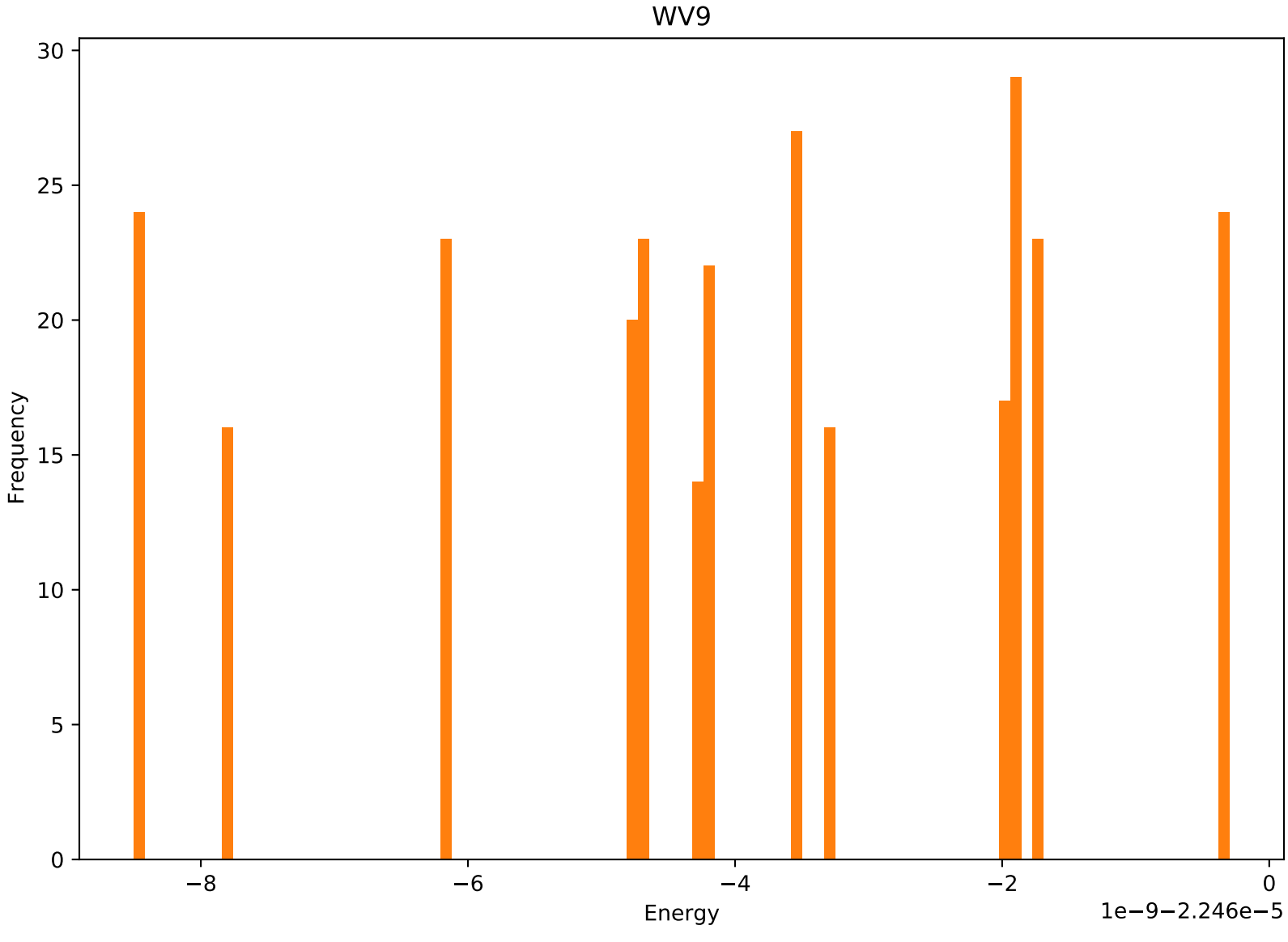

WV4
250
200
150
100
50
0
Frequency
−2.5
−2.0
−1.5
−1.0
Energy
Baseline: -2.7422

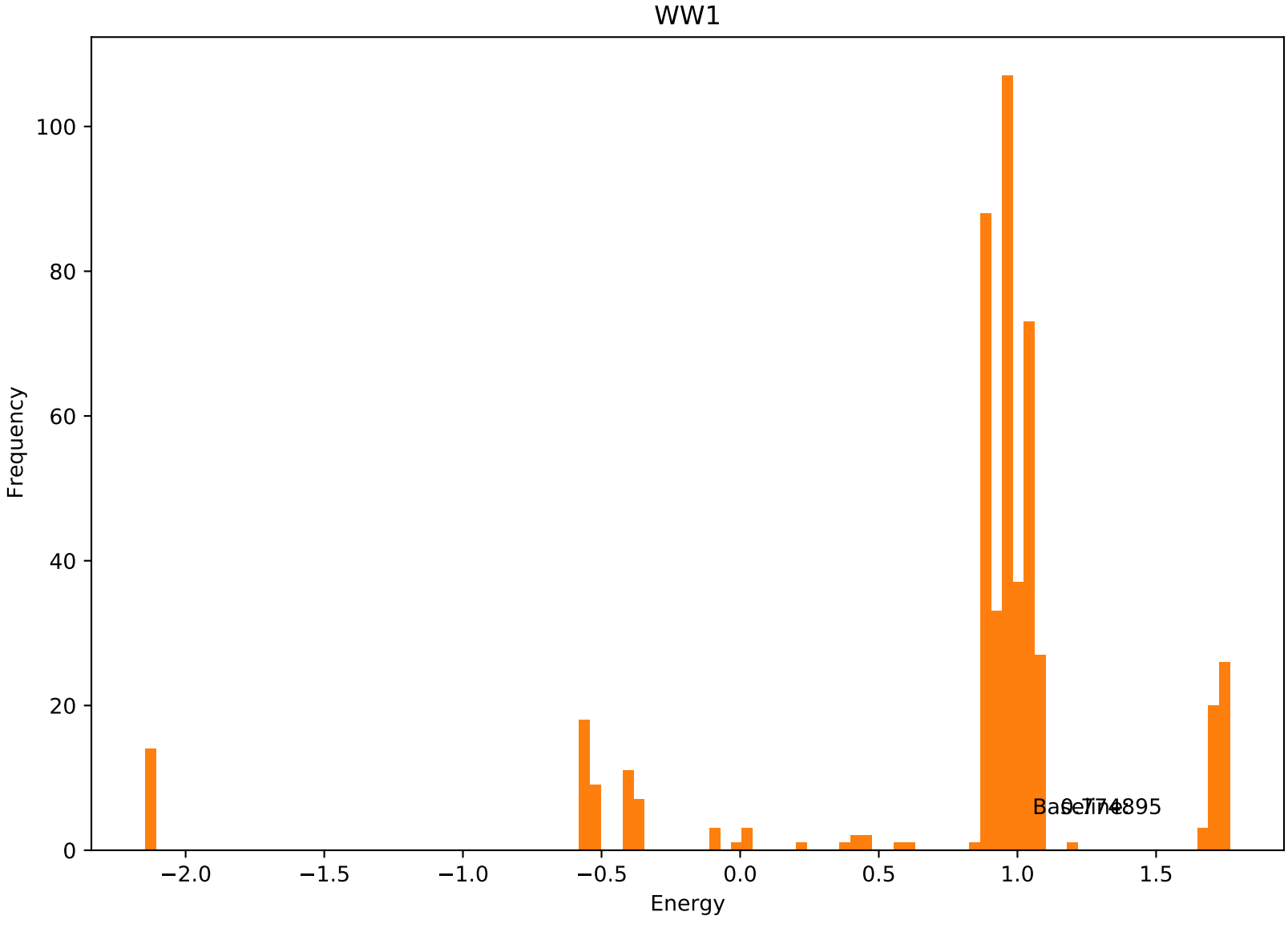

WV5
Frequency
300
250
200
150
100
50
0
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

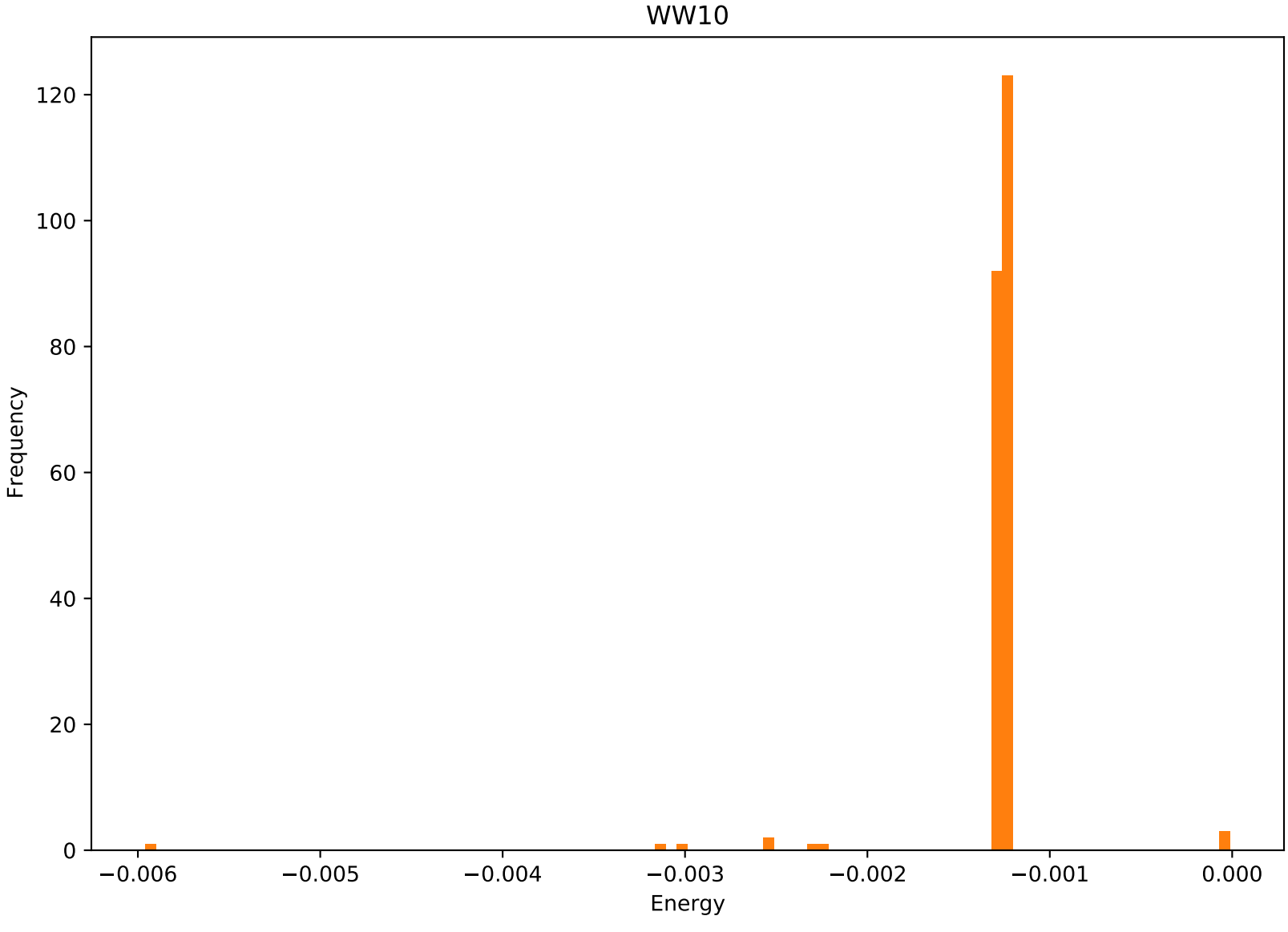

WV6
Frequency
Energy
350
300
250
200
150
100
50
0
−0.0600
−0.0575
−0.0550
−0.0525
−0.0500
−0.0475
−0.0450
−0.0425

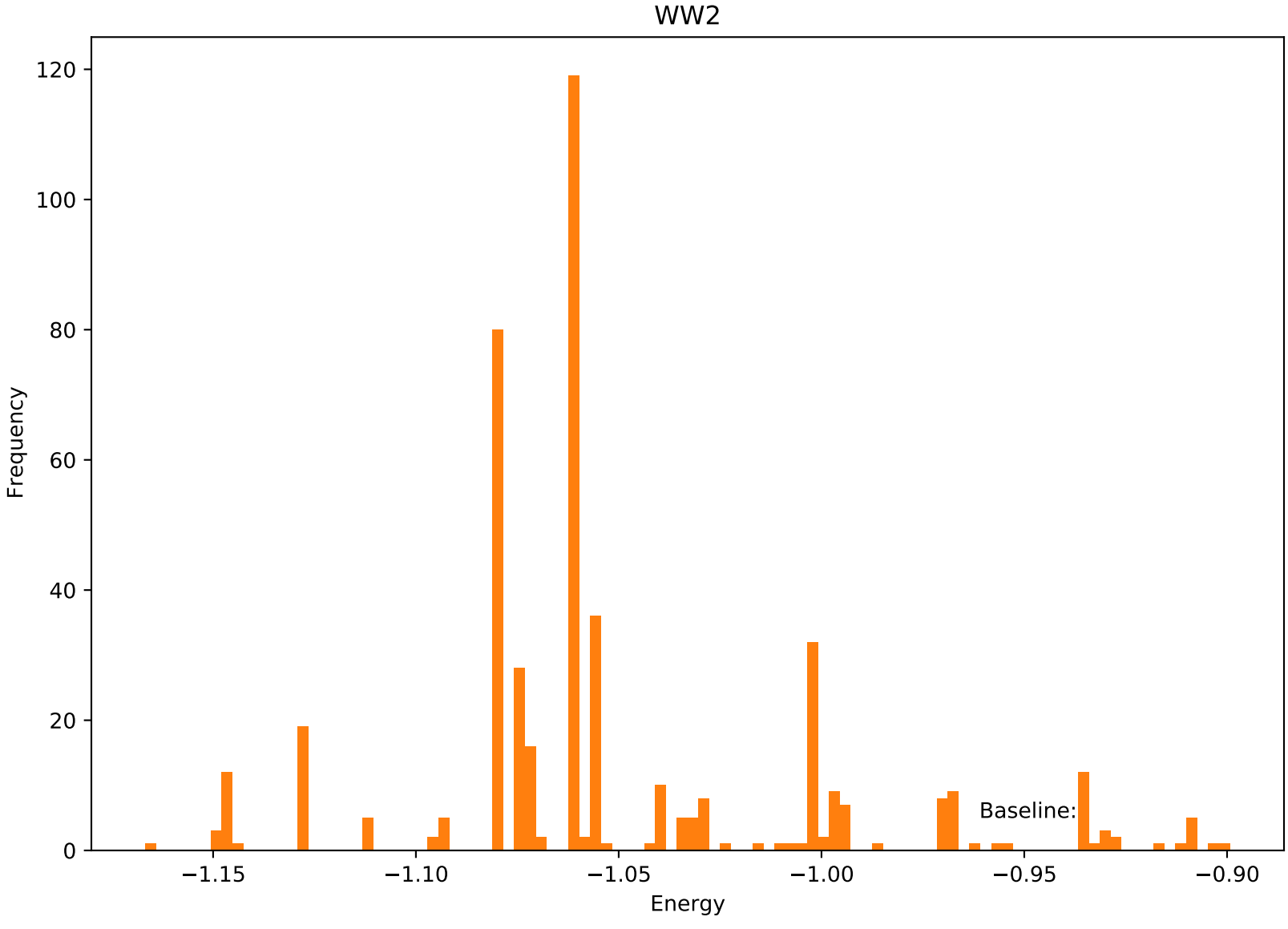

WV7
Frequency
Energy
200
175
150
125
100
75
50
25
0
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

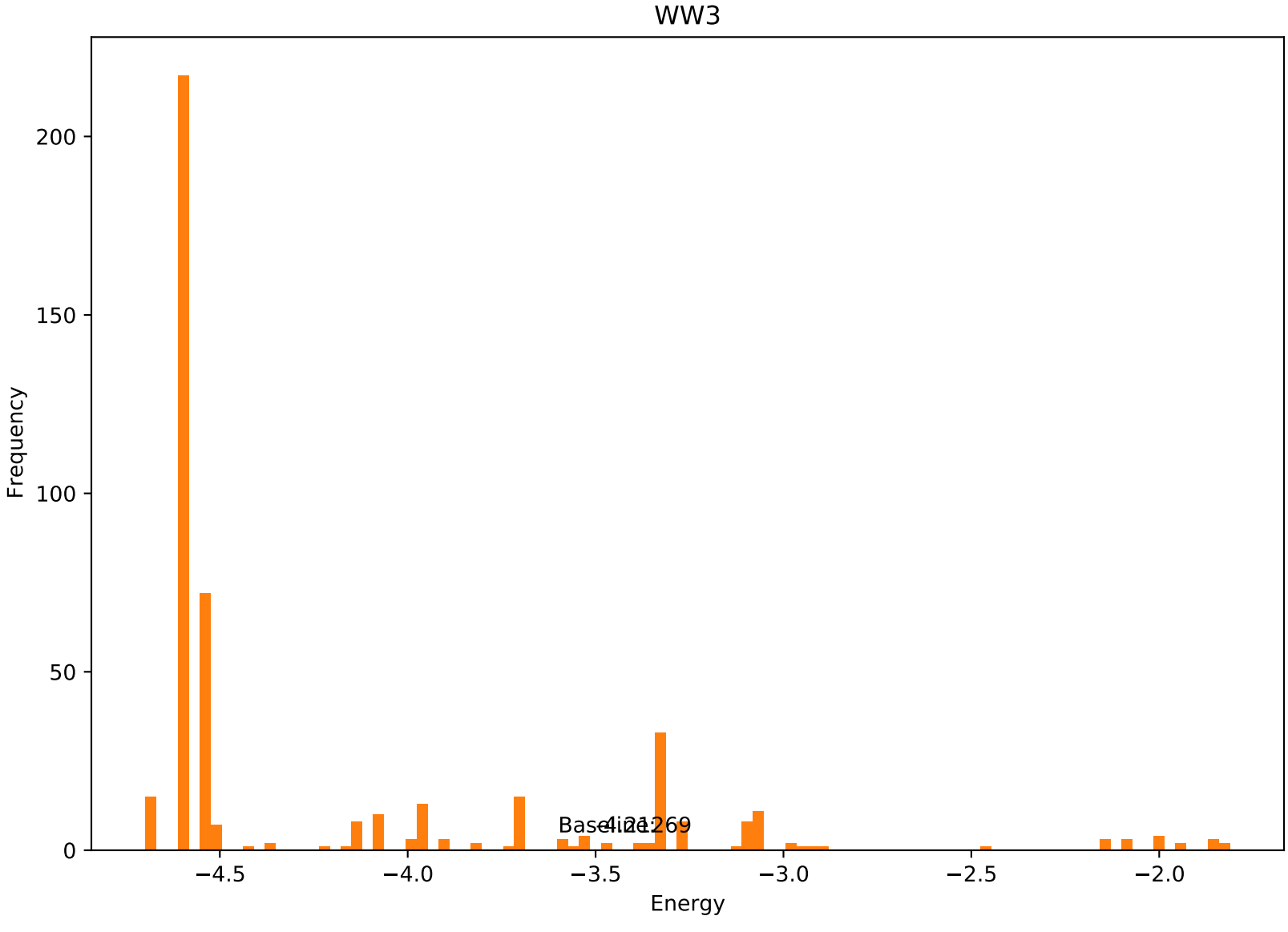

WV8
250
200
150
100
50
0
Frequency
−0.025
−0.020
−0.015
−0.010
Energy

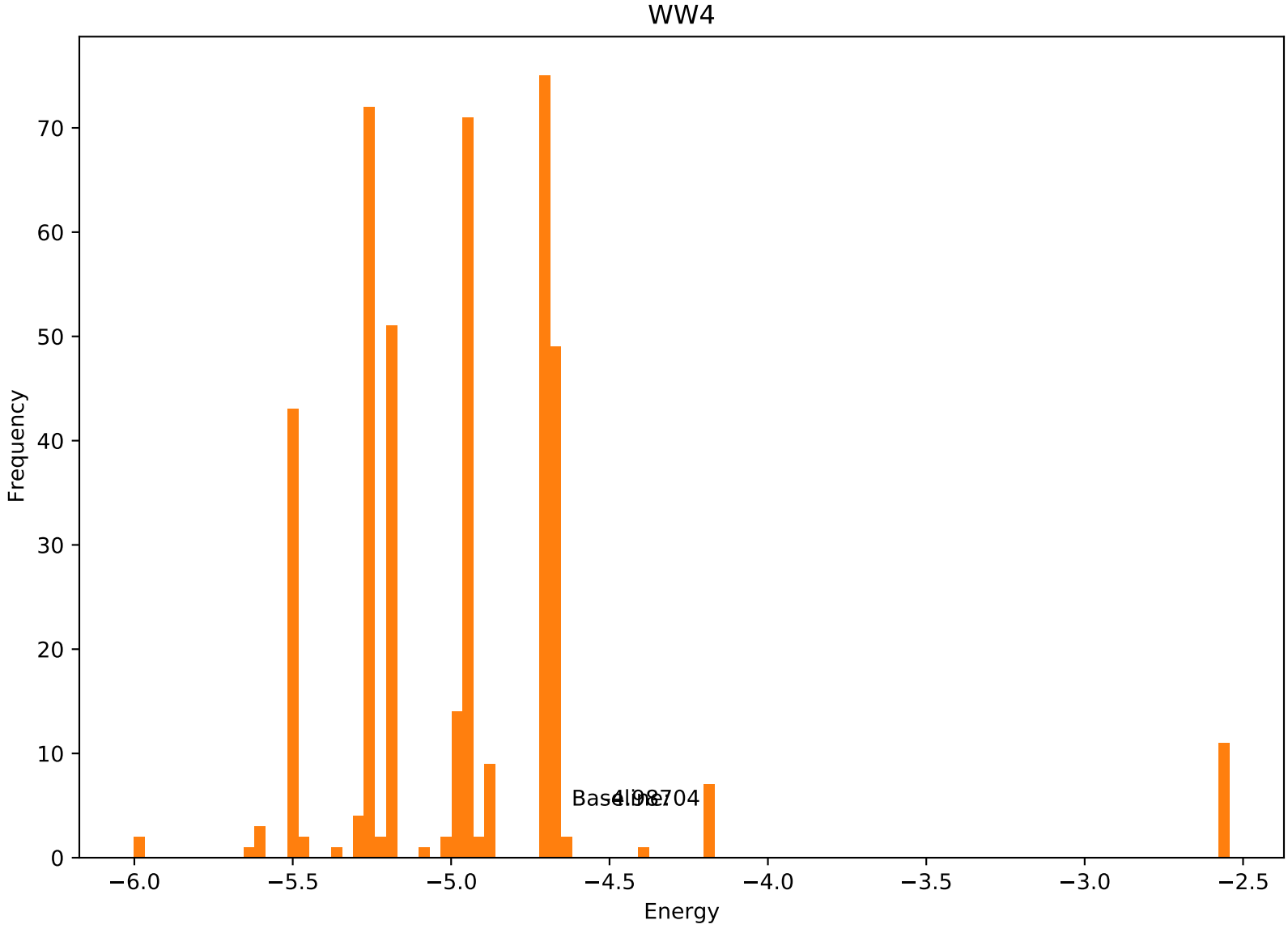

WV9
Frequency
30
25
20
15
10
5
0
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

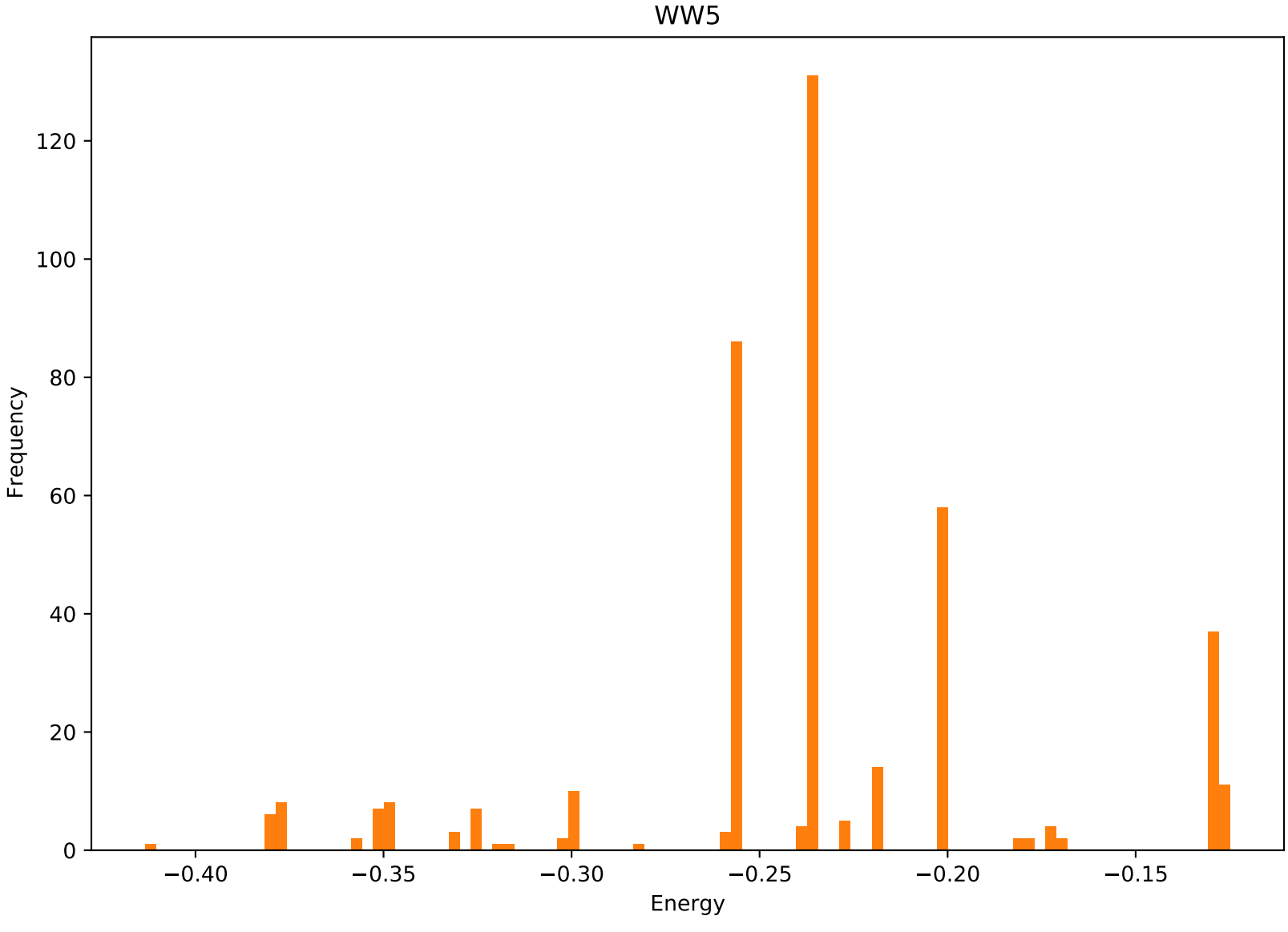

WW1
Frequency
Energy
100
80
60
40
20
0
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
Baseline
0.774895

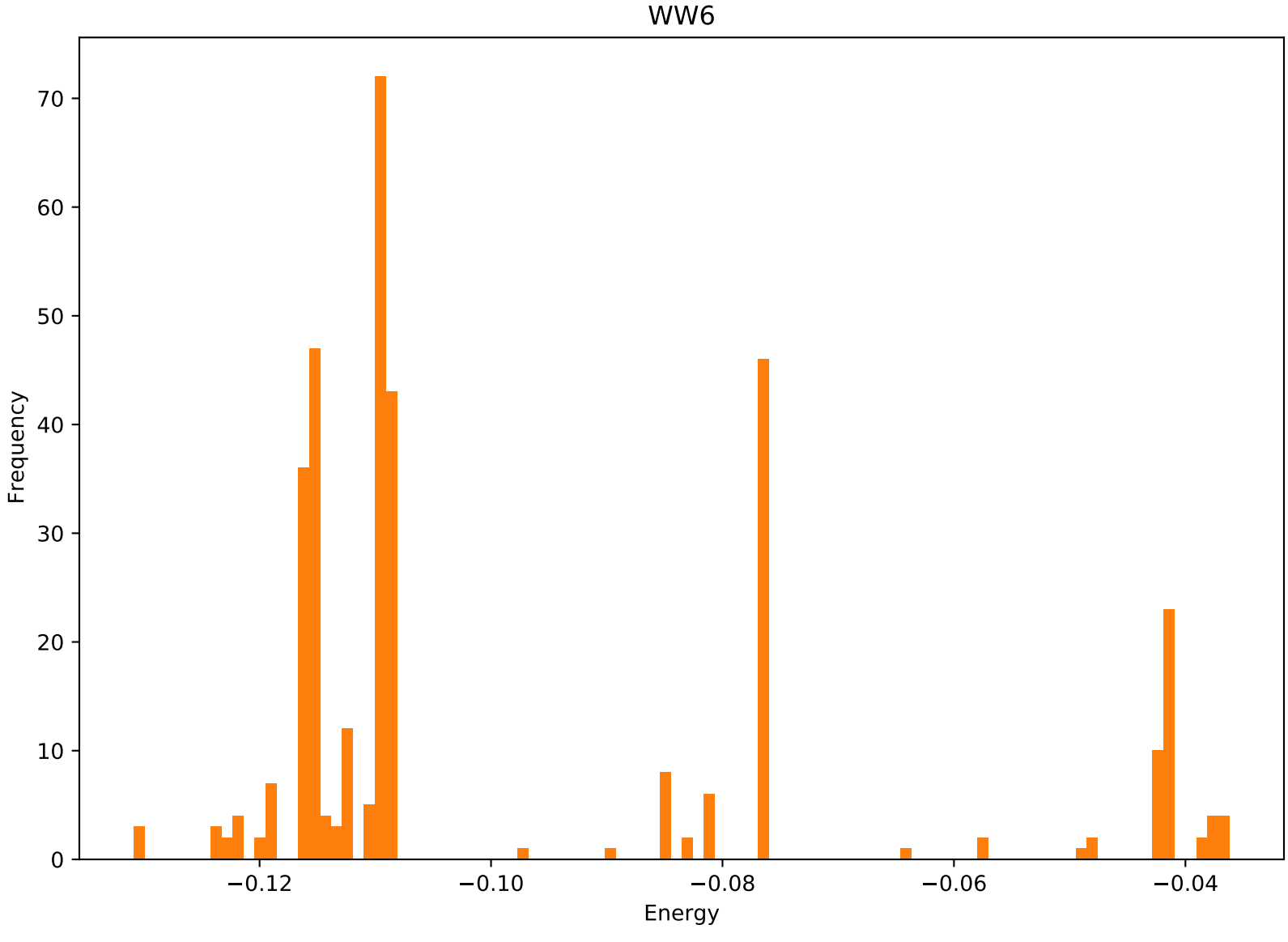

WW10
Frequency
Energy
0
20
40
60
80
100
120
−0.006
−0.005
−0.004
−0.003
−0.002
−0.001
0.000

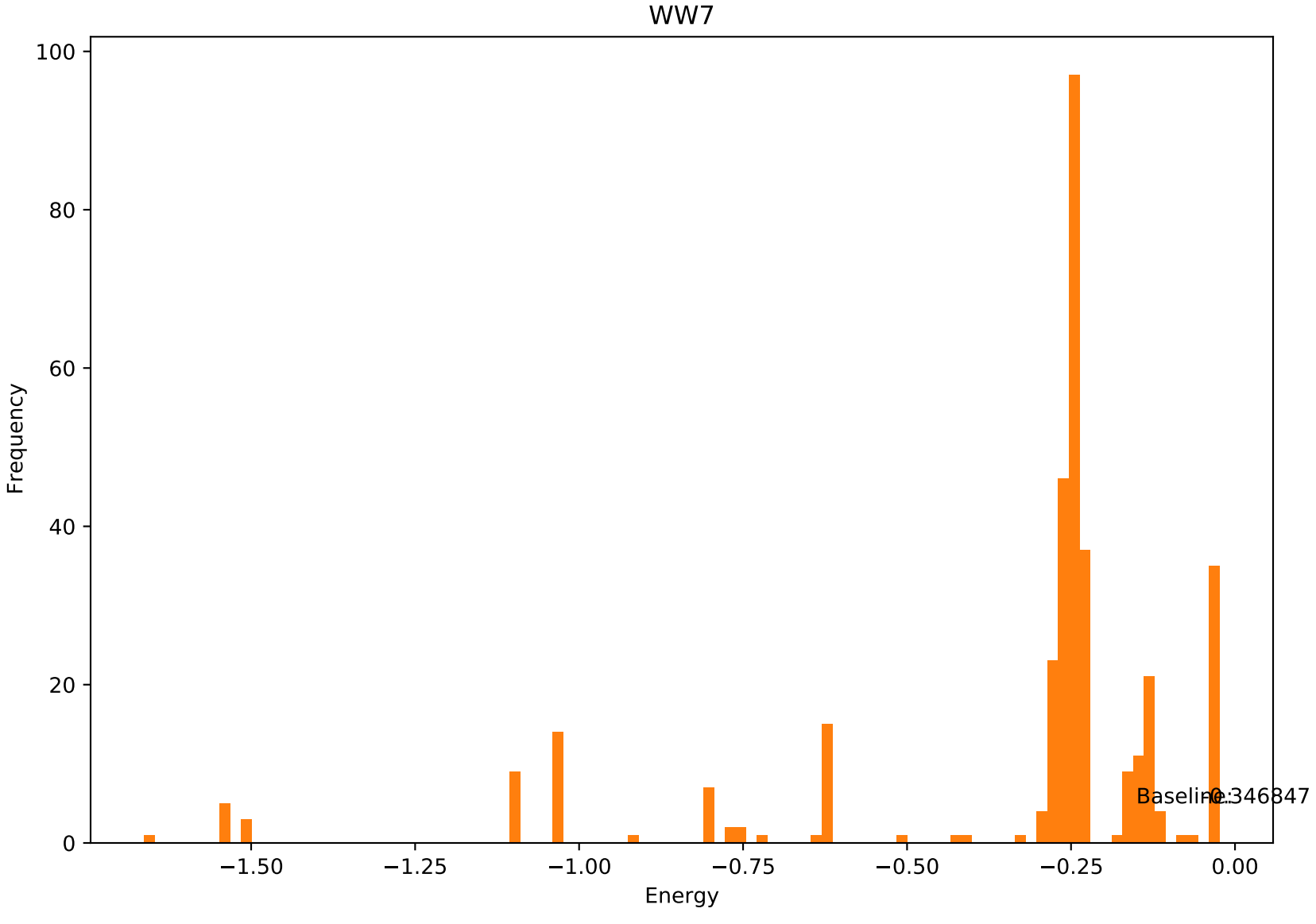

WW2
120
100
80
60
40
20
0
Frequency
−1.15
−1.10
−1.05
−1.00
−0.95
−0.90
Energy
Baseline:

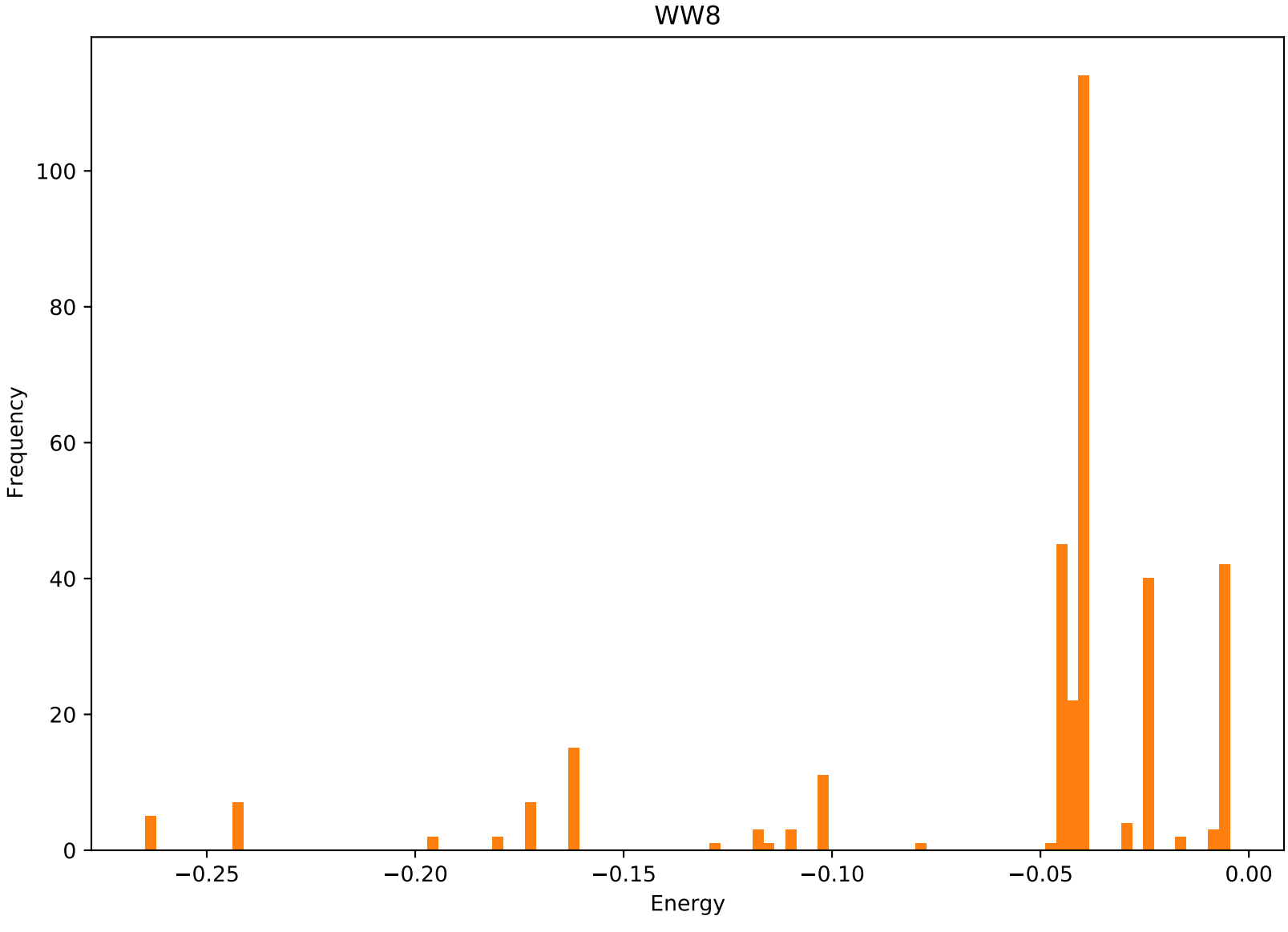

WW3
Frequency
Energy
200
150
100
50
0
−4.5
−4.0
−3.5
−3.0
−2.5
−2.0

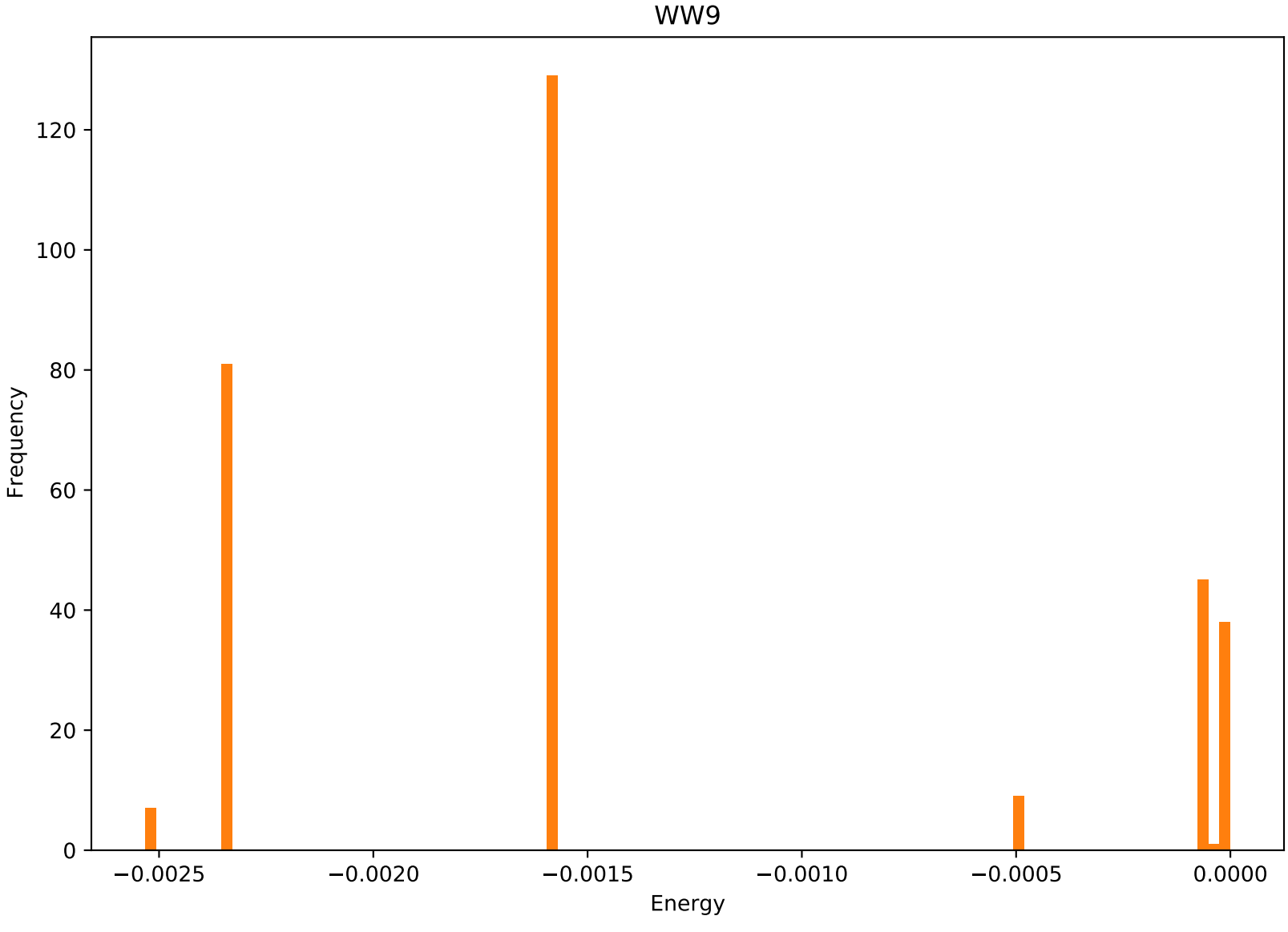

WW4
Frequency
Energy
0
10
20
30
40
50
60
70
−6.0
−5.5
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
Baseline
-4.98704

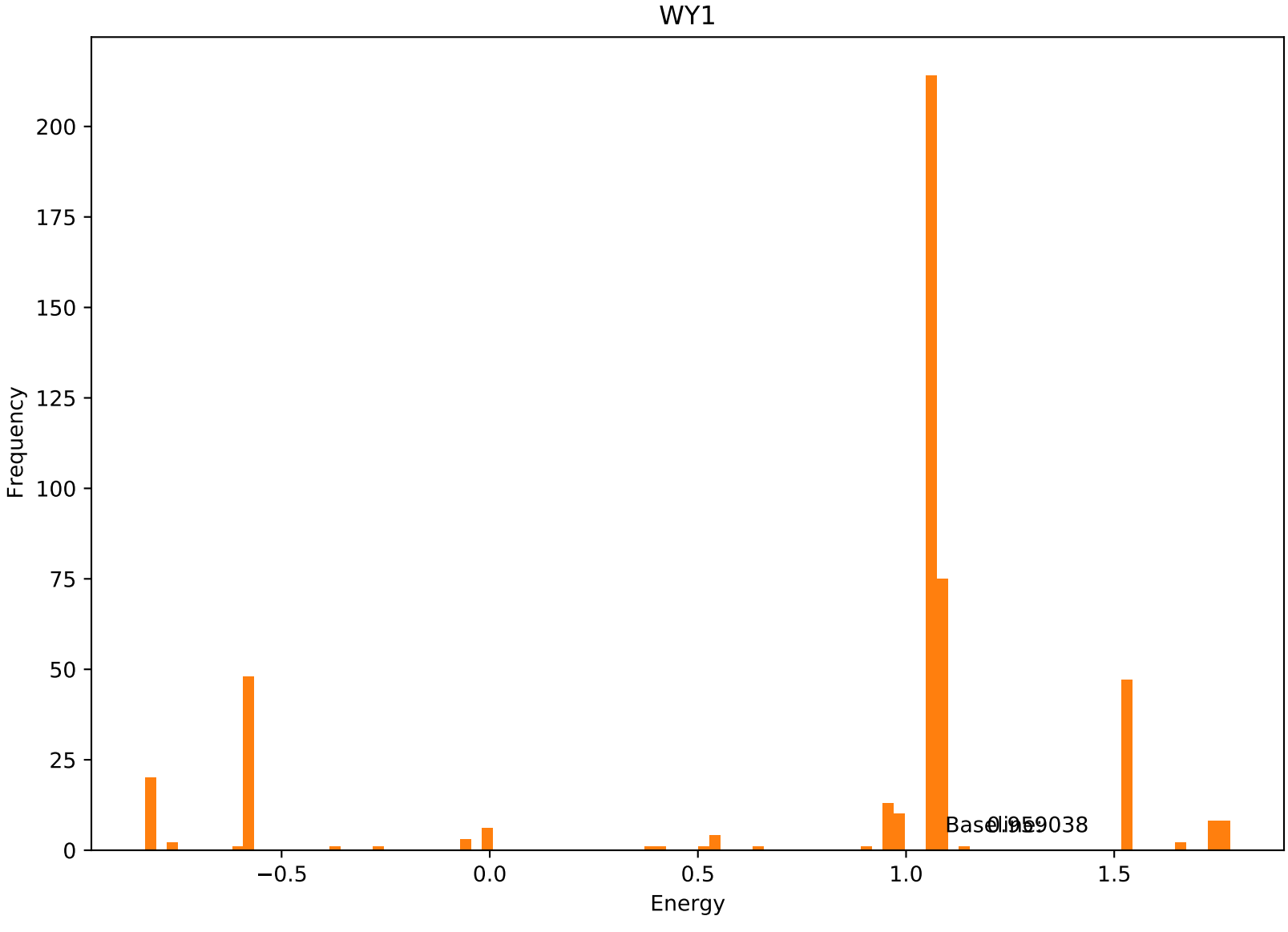

WW5
Frequency
Energy
0
20
40
60
80
100
120
−0.40
−0.35
−0.30
−0.25
−0.20
−0.15

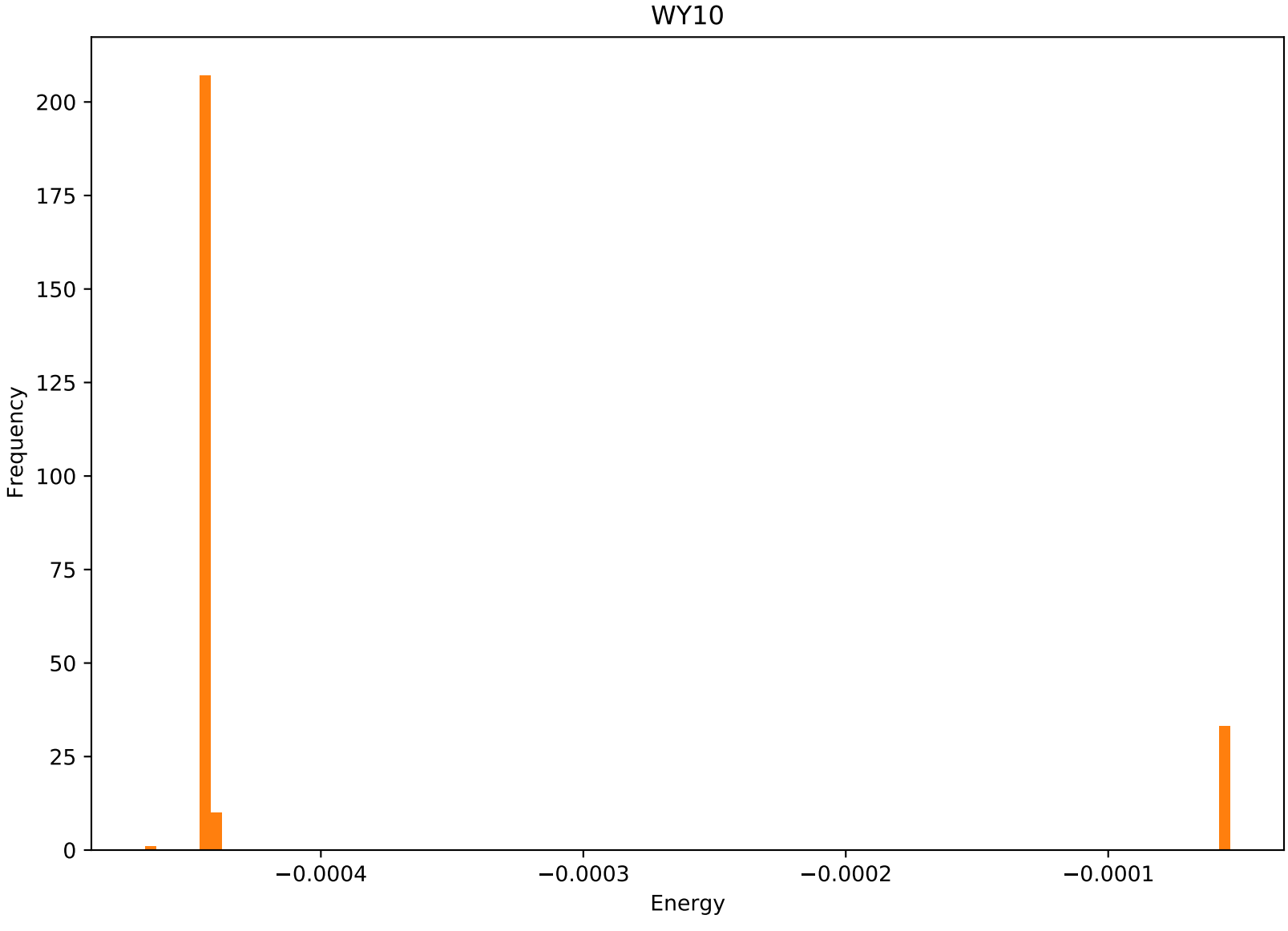

WW6
Frequency
Energy
0
10
20
30
40
50
60
70
−0.12
−0.10
−0.08
−0.06
−0.04

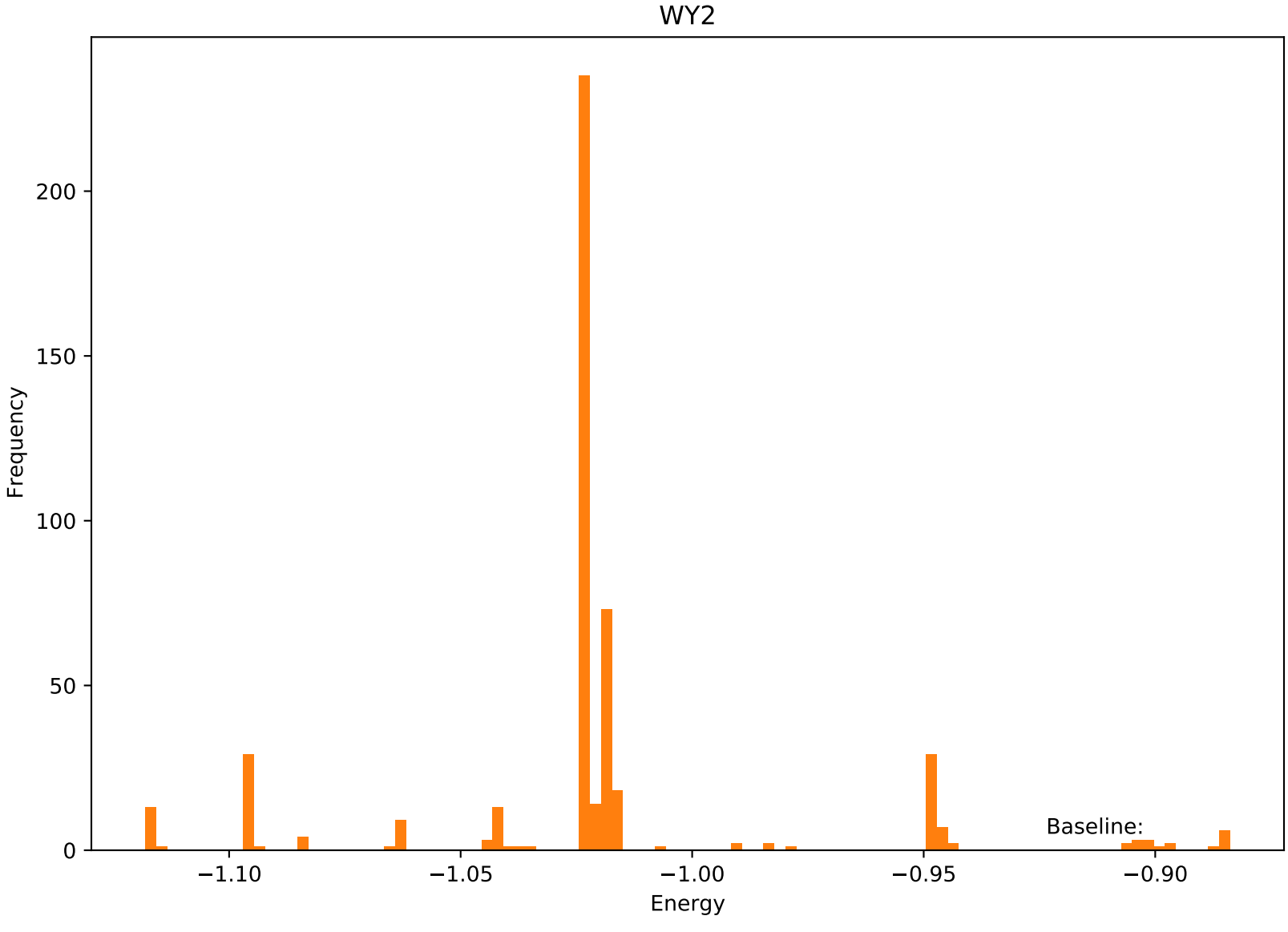

WW7
Frequency
Energy
100
80
60
40
20
0
−1.50
−1.25
−1.00
−0.75
−0.50
−0.25
0.00
Baseline: 0.346847

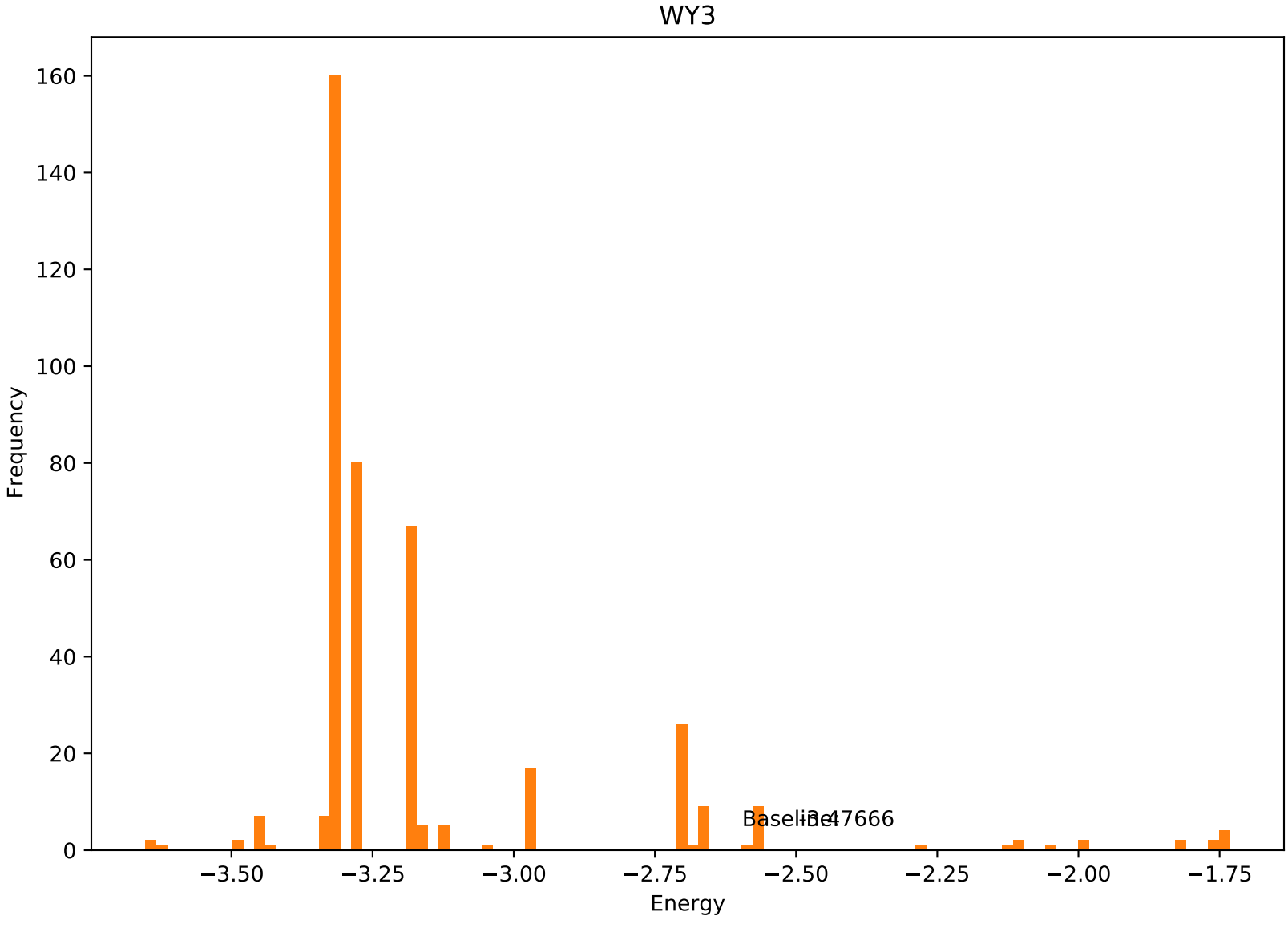

WW8
Frequency
Energy
0
20
40
60
80
100
−0.25
−0.20
−0.15
−0.10
−0.05
0.00

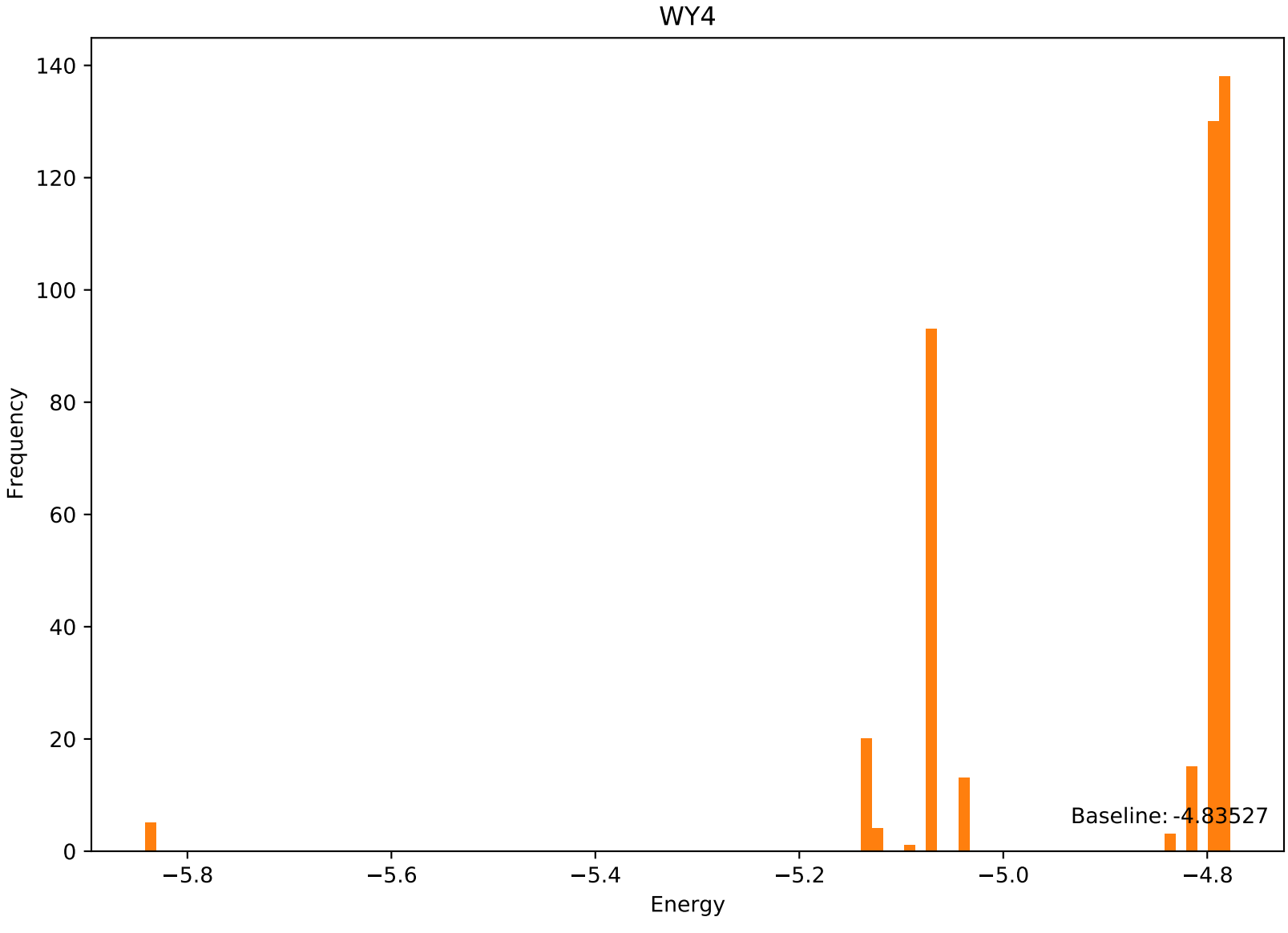

WW9
Frequency
Energy
0
20
40
60
80
100
120
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

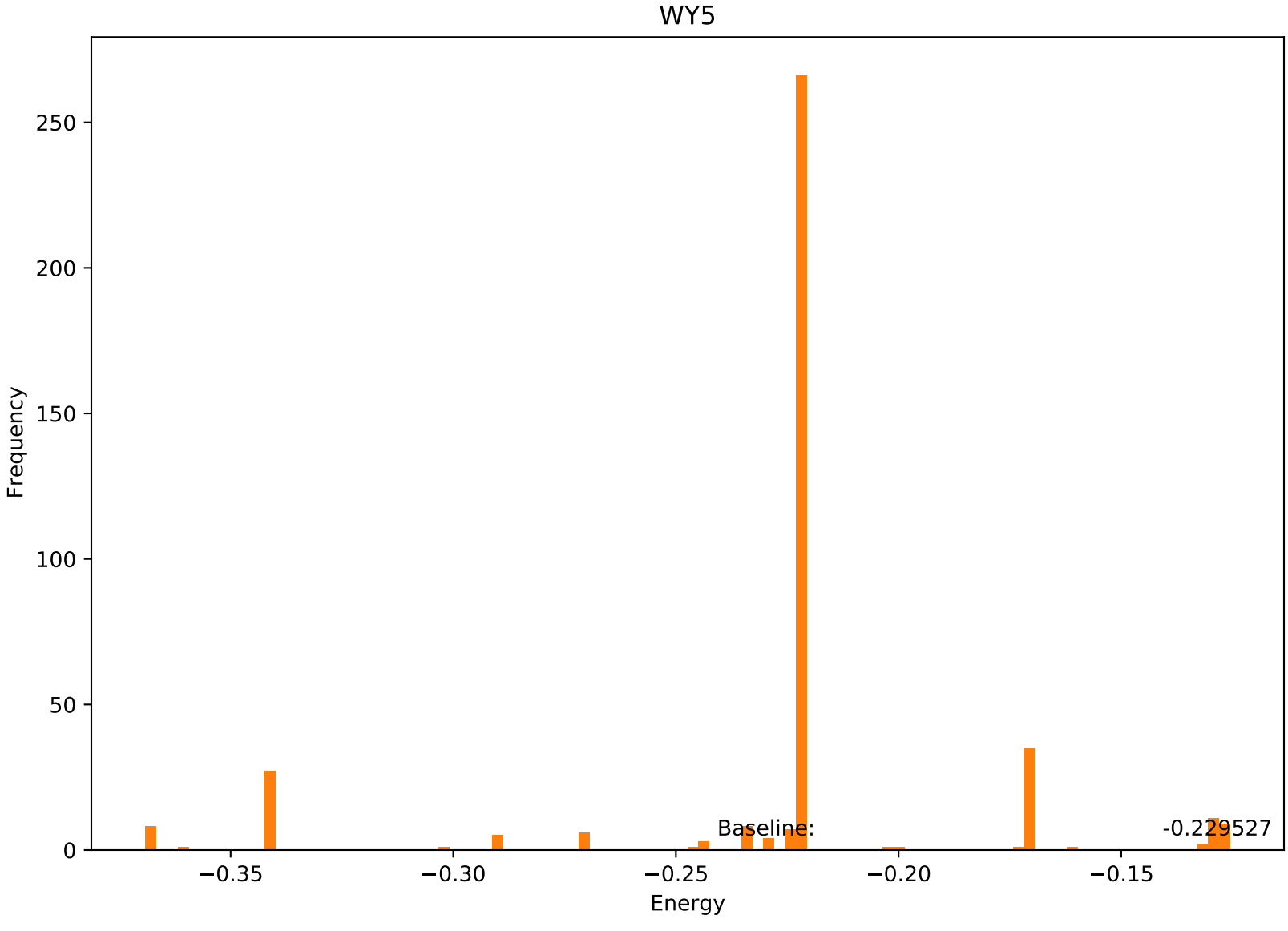

WY1
Frequency
Energy
200
175
150
125
100
75
50
25
0
−0.5
0.0
0.5
1.0
1.5
Baseline: 0.959038

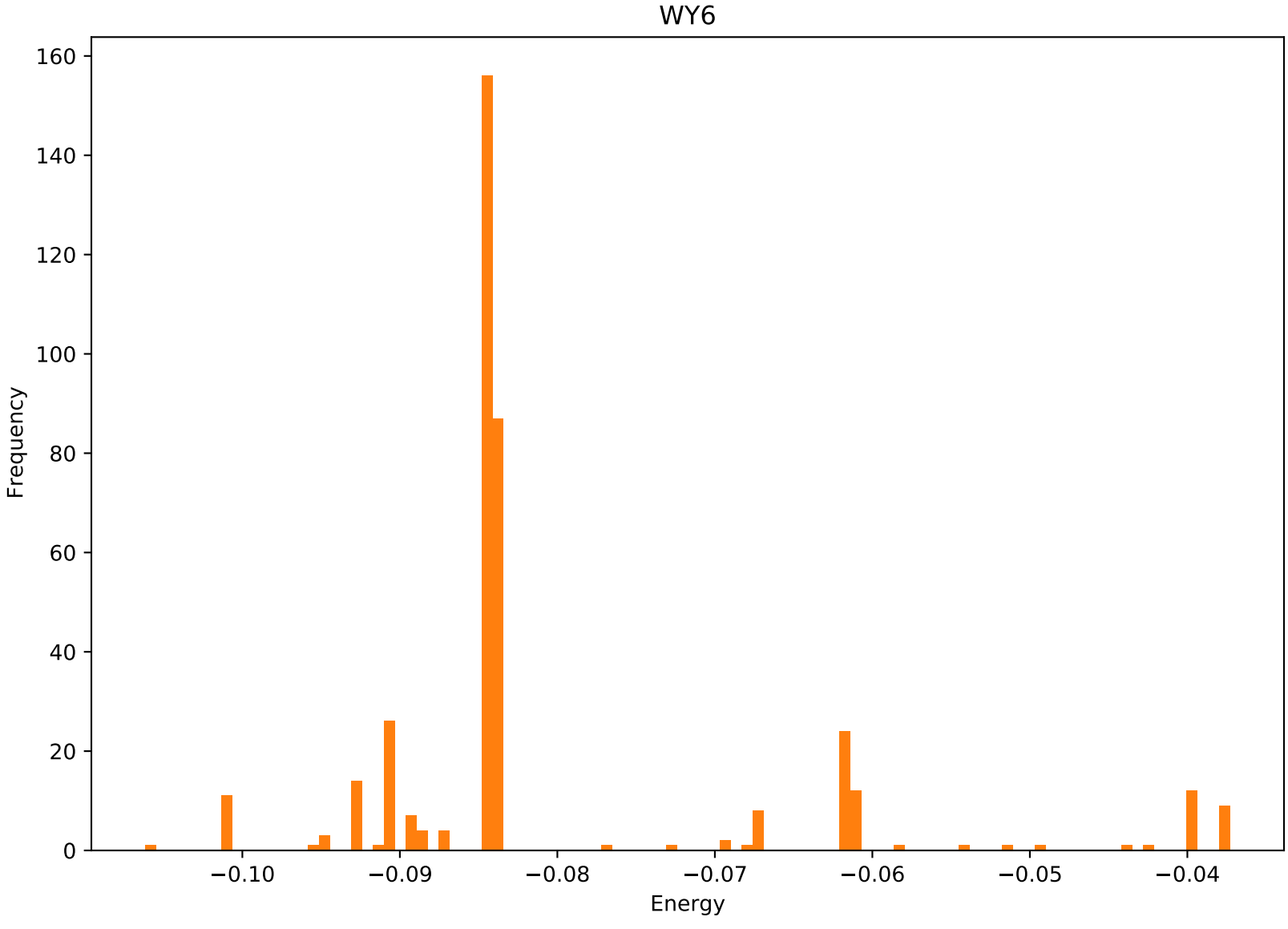

WY10
Frequency
200
175
150
125
100
75
50
25
0
−0.0004
−0.0003
−0.0002
−0.0001
Energy

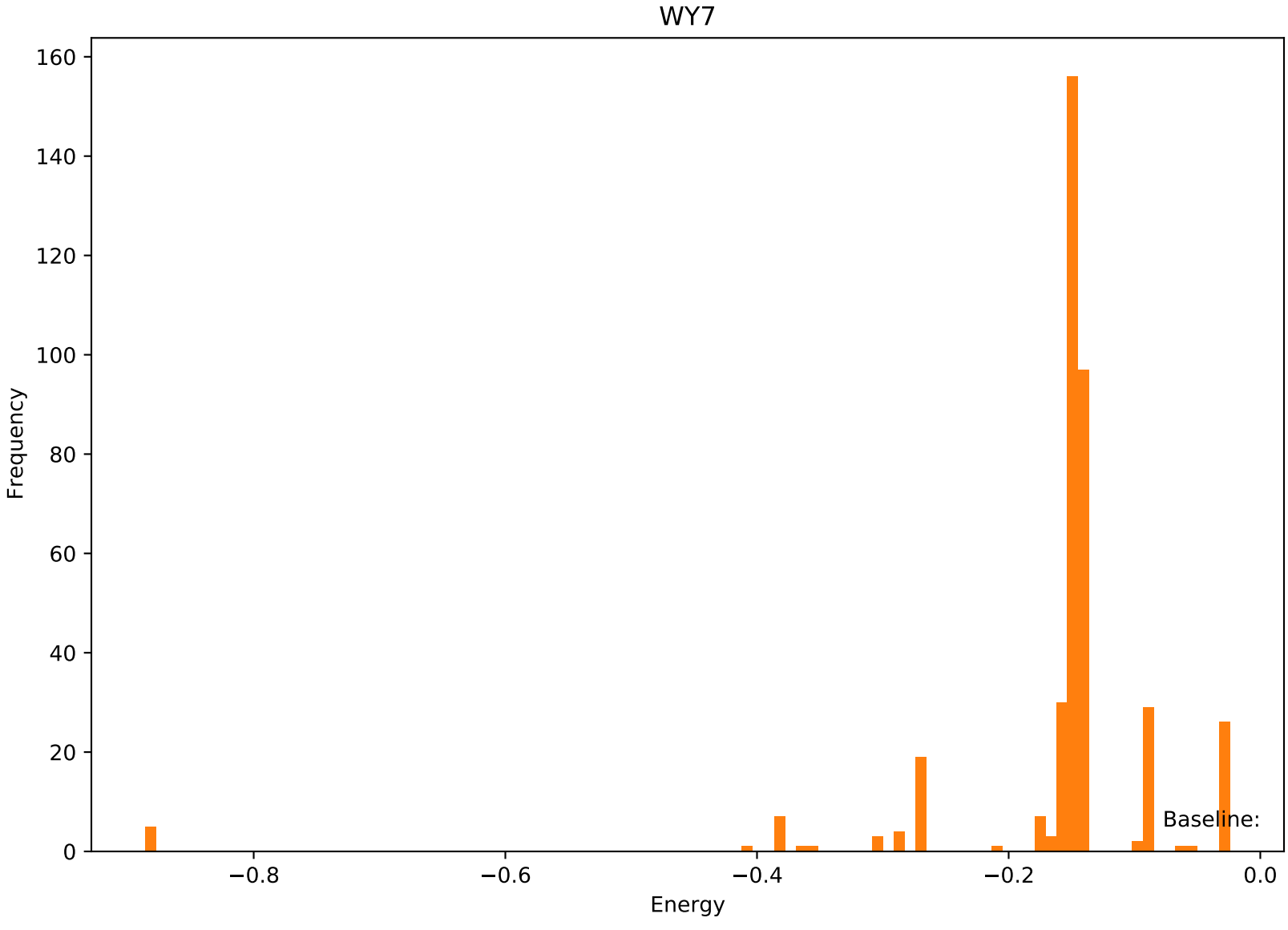

WY2
Frequency
200
150
100
50
0
−1.10
−1.05
−1.00
−0.95
−0.90
Energy
Baseline:

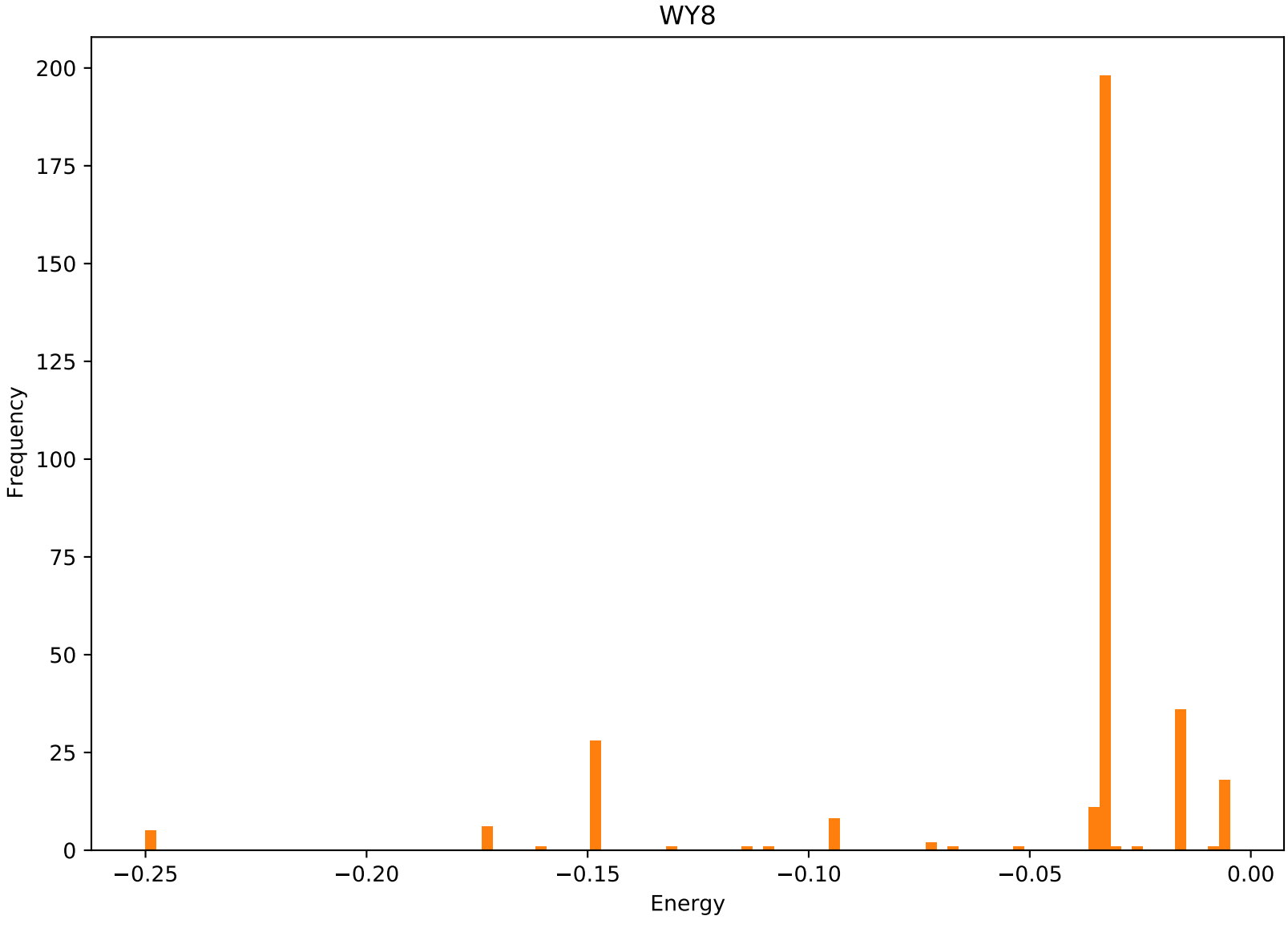

WY3
Frequency
Energy
Baseline
−3.47666
160
140
120
100
80
60
40
20
0
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
−1.75

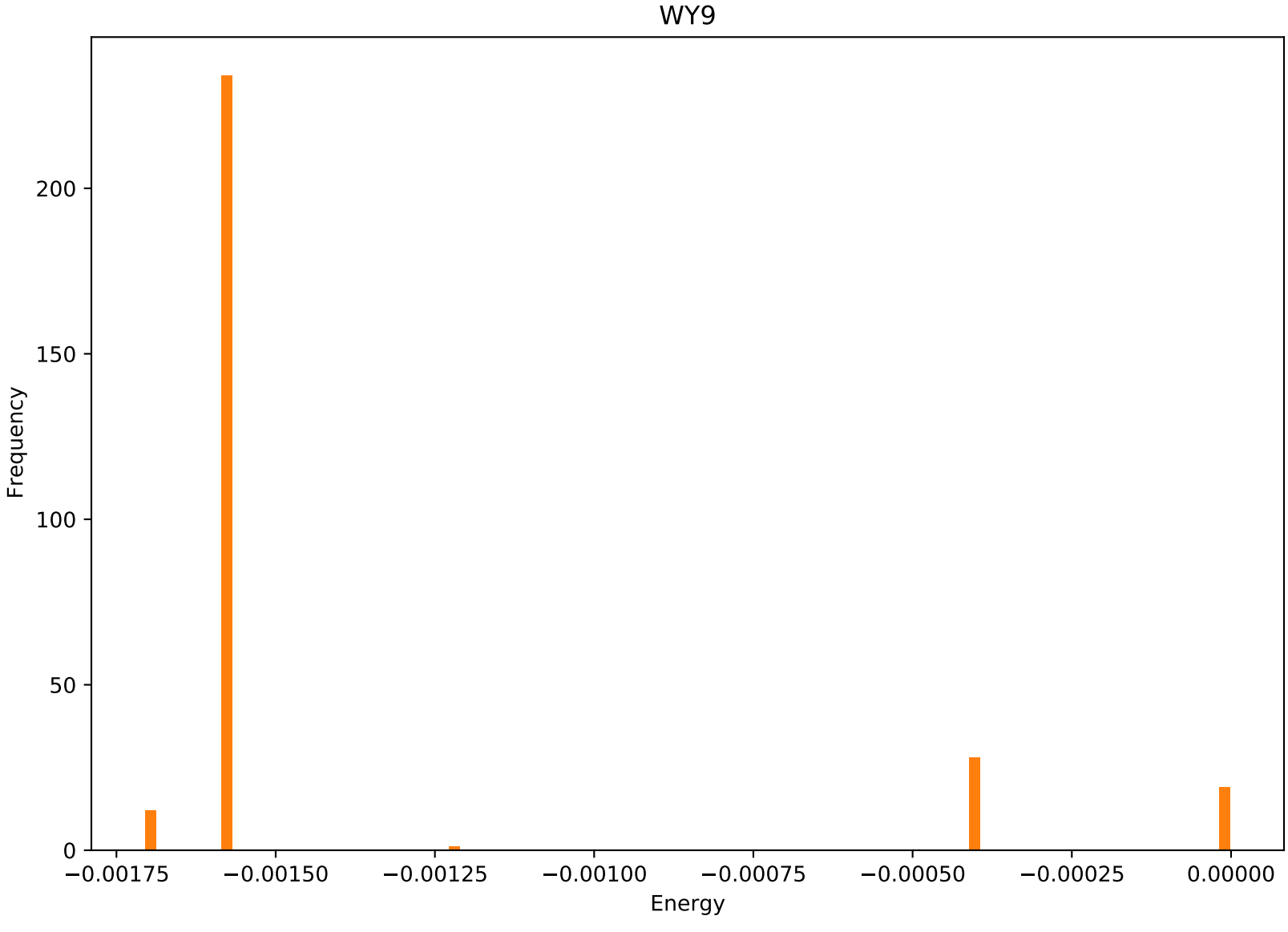

WY4
Frequency
Energy
Baseline: -4.83527
0
20
40
60
80
100
120
140
−5.8
−5.6
−5.4
−5.2
−5.0
−4.8

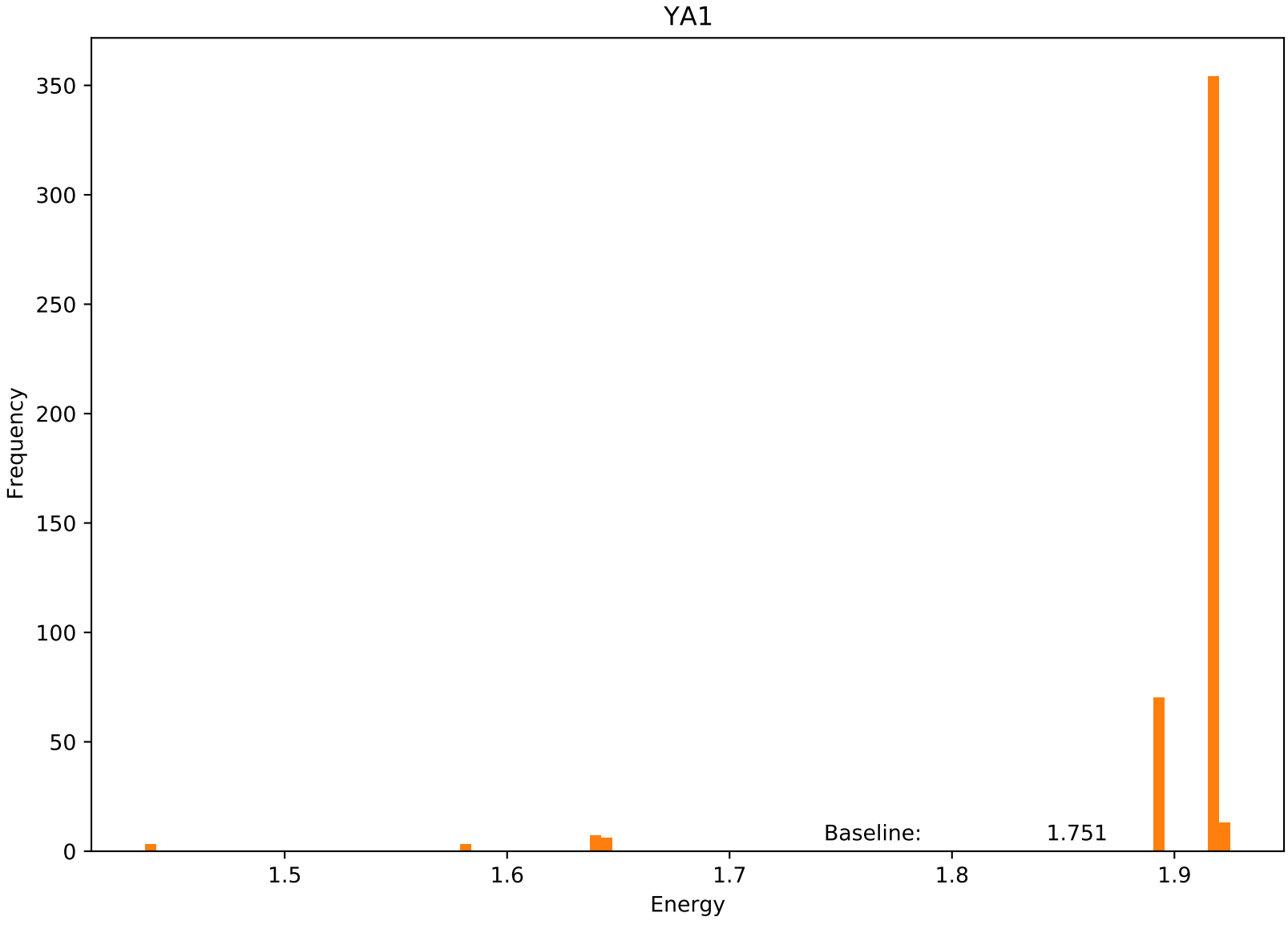

WY5
Frequency
250
200
150
100
50
0
−0.35
−0.30
−0.25
−0.20
−0.15
Energy
Baseline:
-0.229527

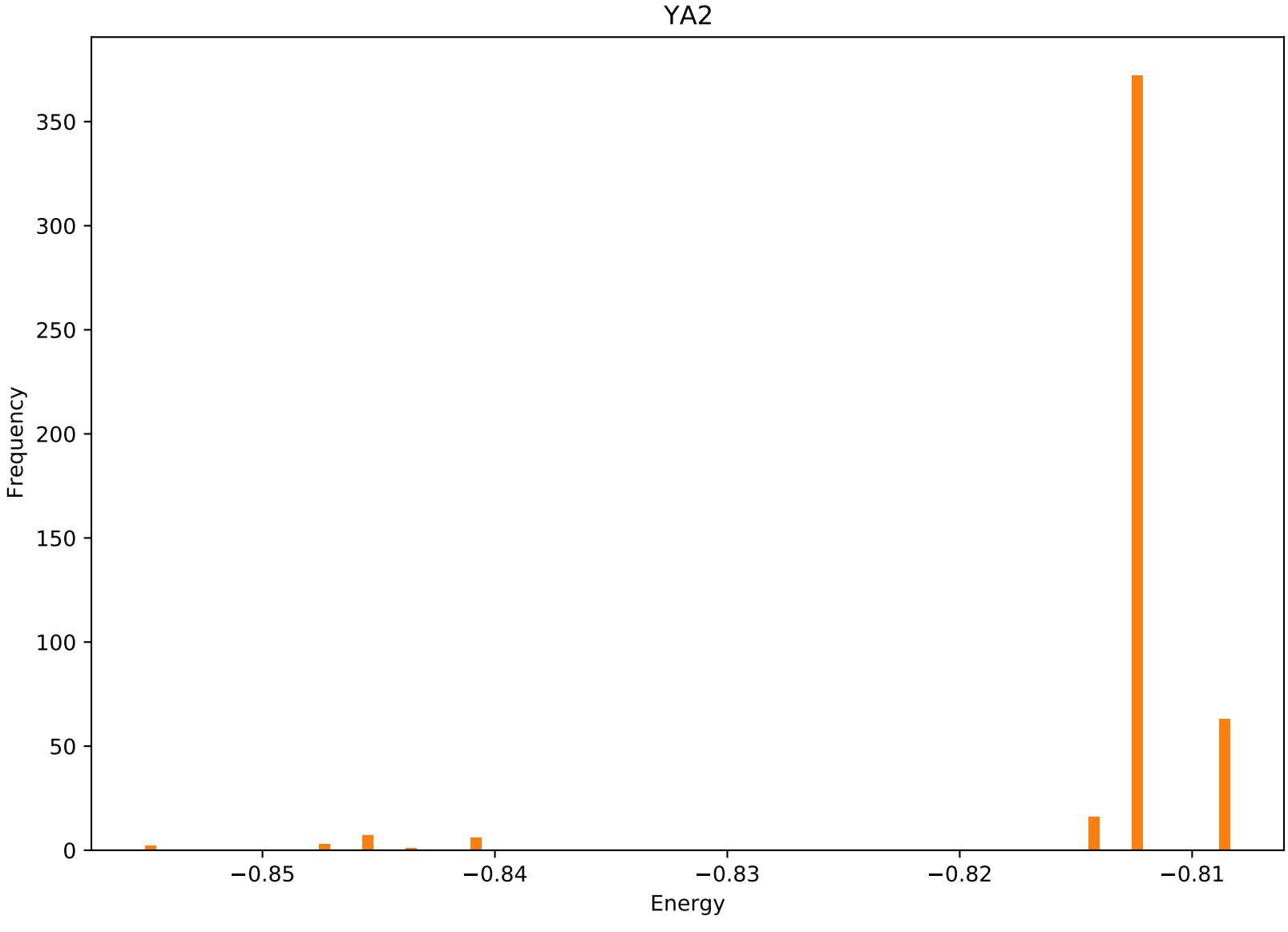

WY6
Frequency
Energy
0
20
40
60
80
100
120
140
160
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04

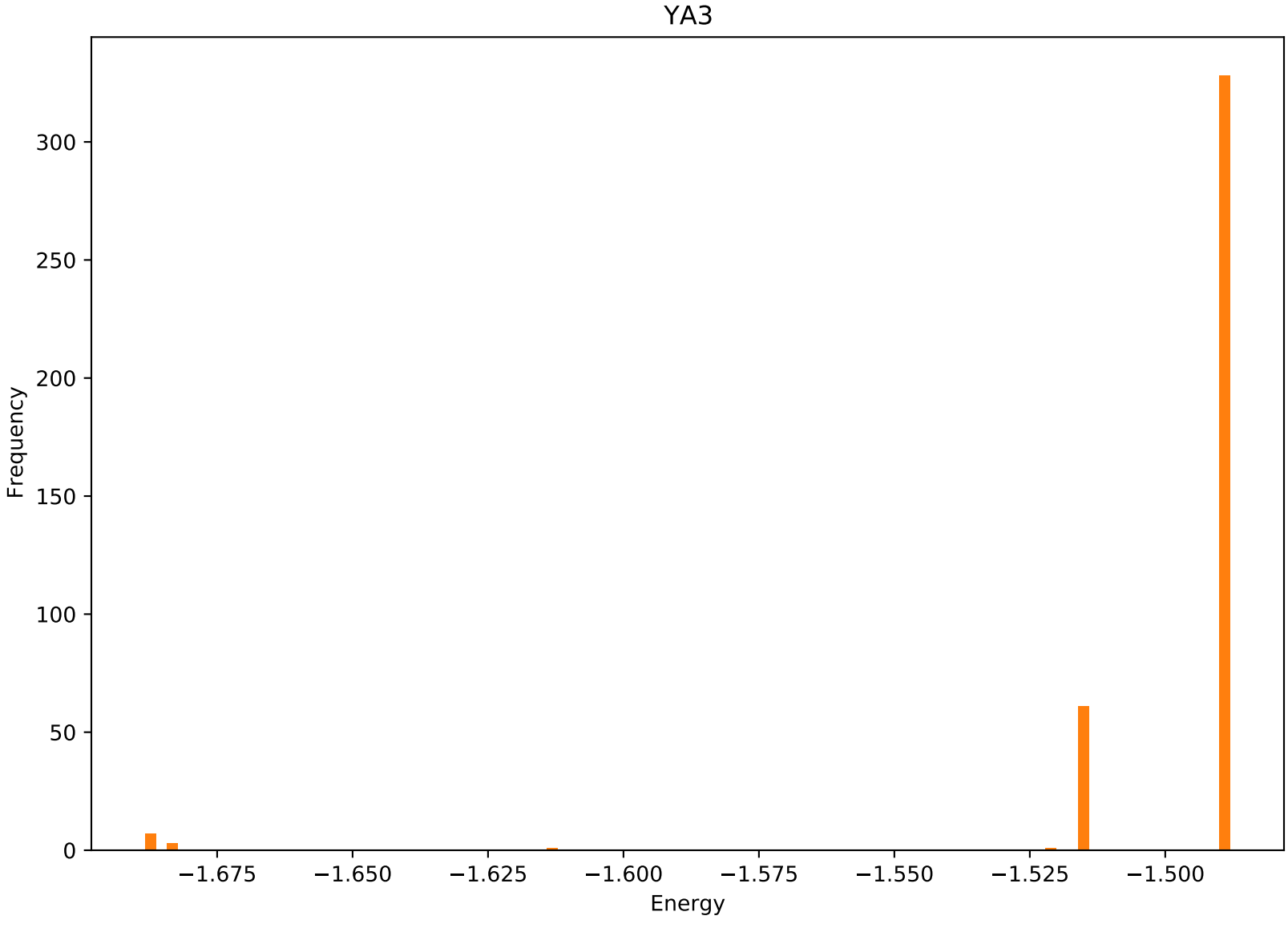

WY7
Frequency
Energy
Baseline:
160
140
120
100
80
60
40
20
0
−0.8
−0.6
−0.4
−0.2
0.0

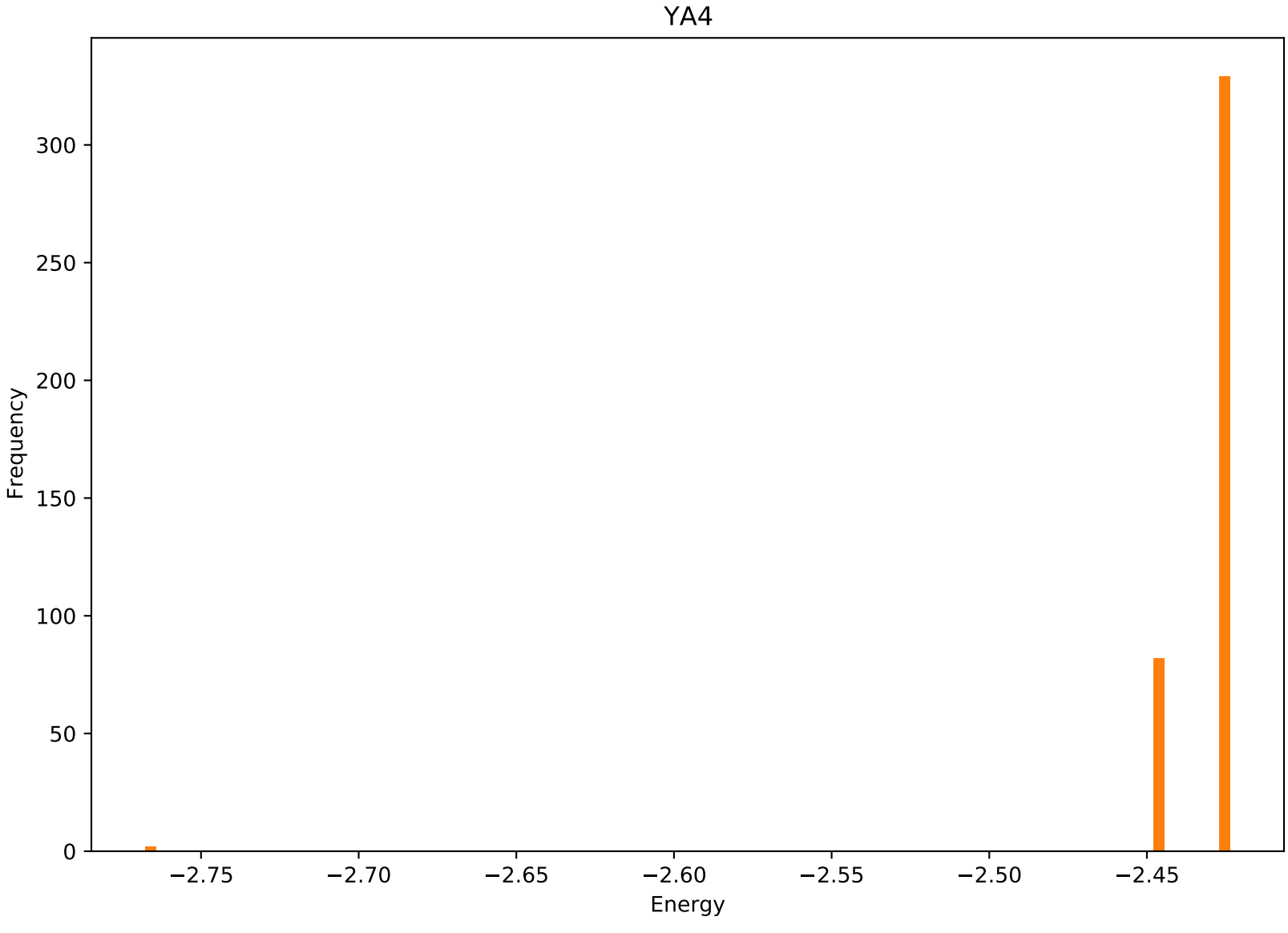

WY8
Frequency
Energy
200
175
150
125
100
75
50
25
0
−0.25
−0.20
−0.15
−0.10
−0.05
0.00

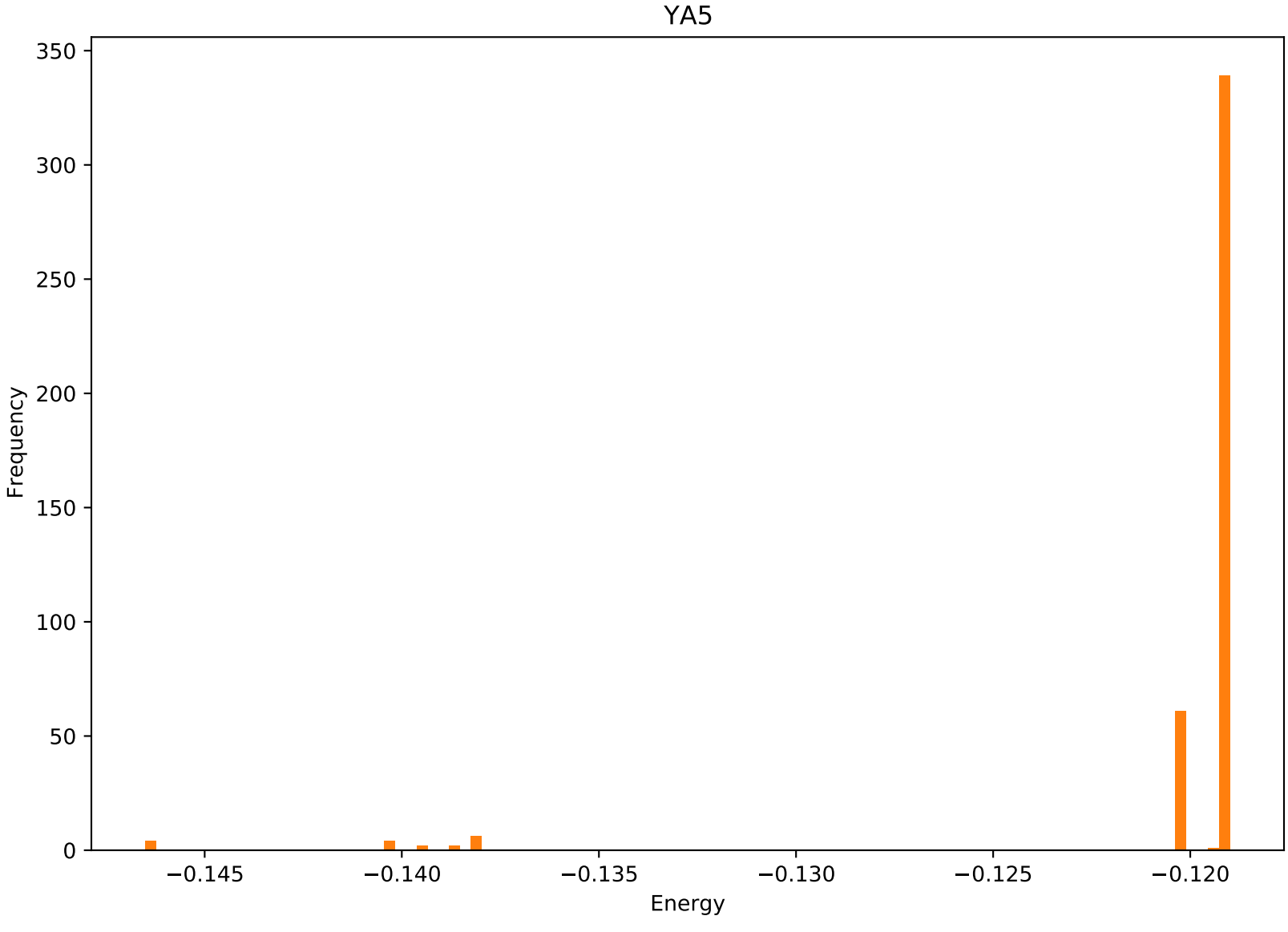

WY9
Frequency
200
150
100
50
0
−0.00175
−0.00150
−0.00125
−0.00100
−0.00075
−0.00050
−0.00025
0.00000
Energy

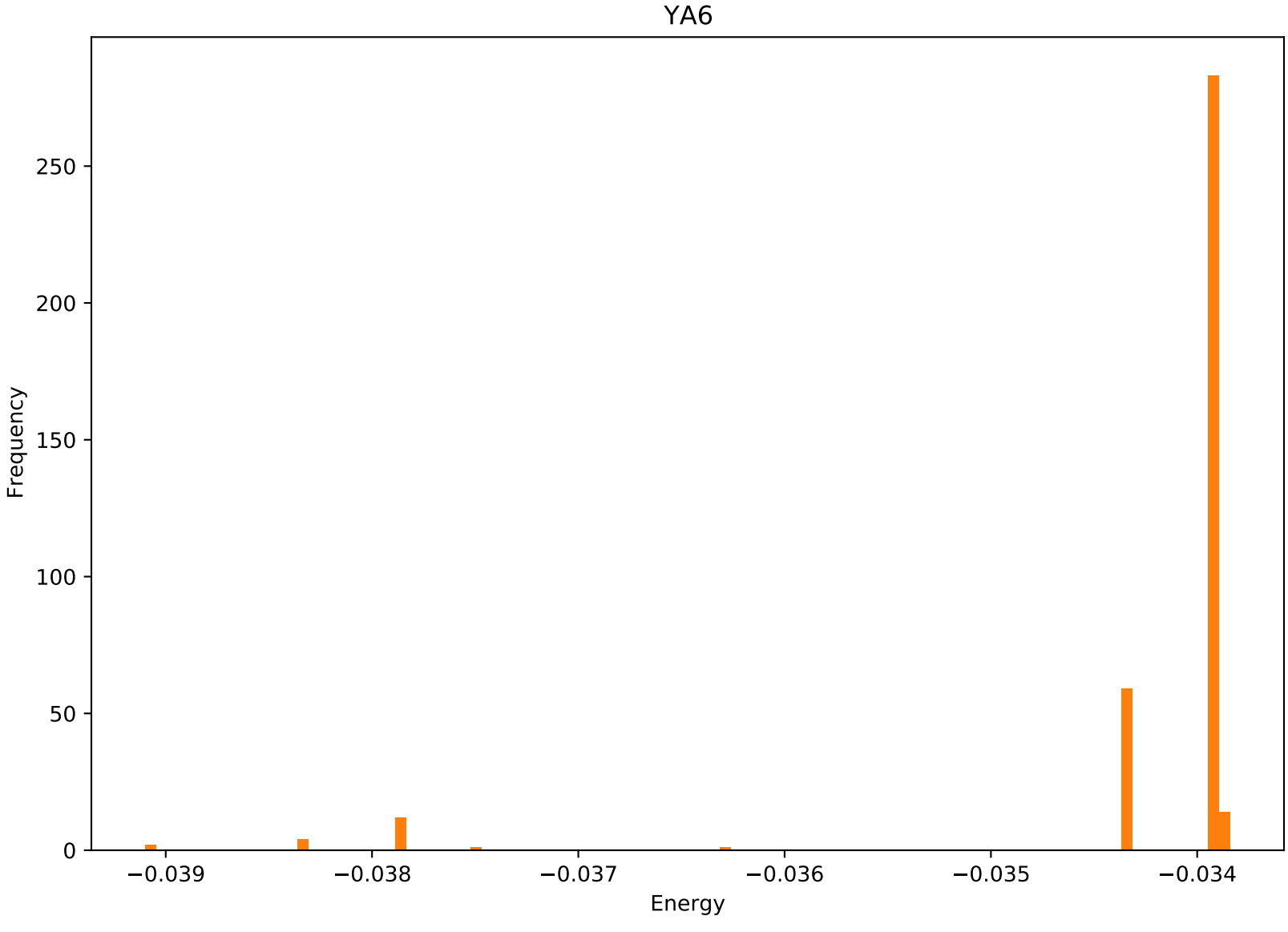

YA1
Frequency
Energy
Baseline:
1.751
0
50
100
150
200
250
300
350
1.5
1.6
1.7
1.8
1.9

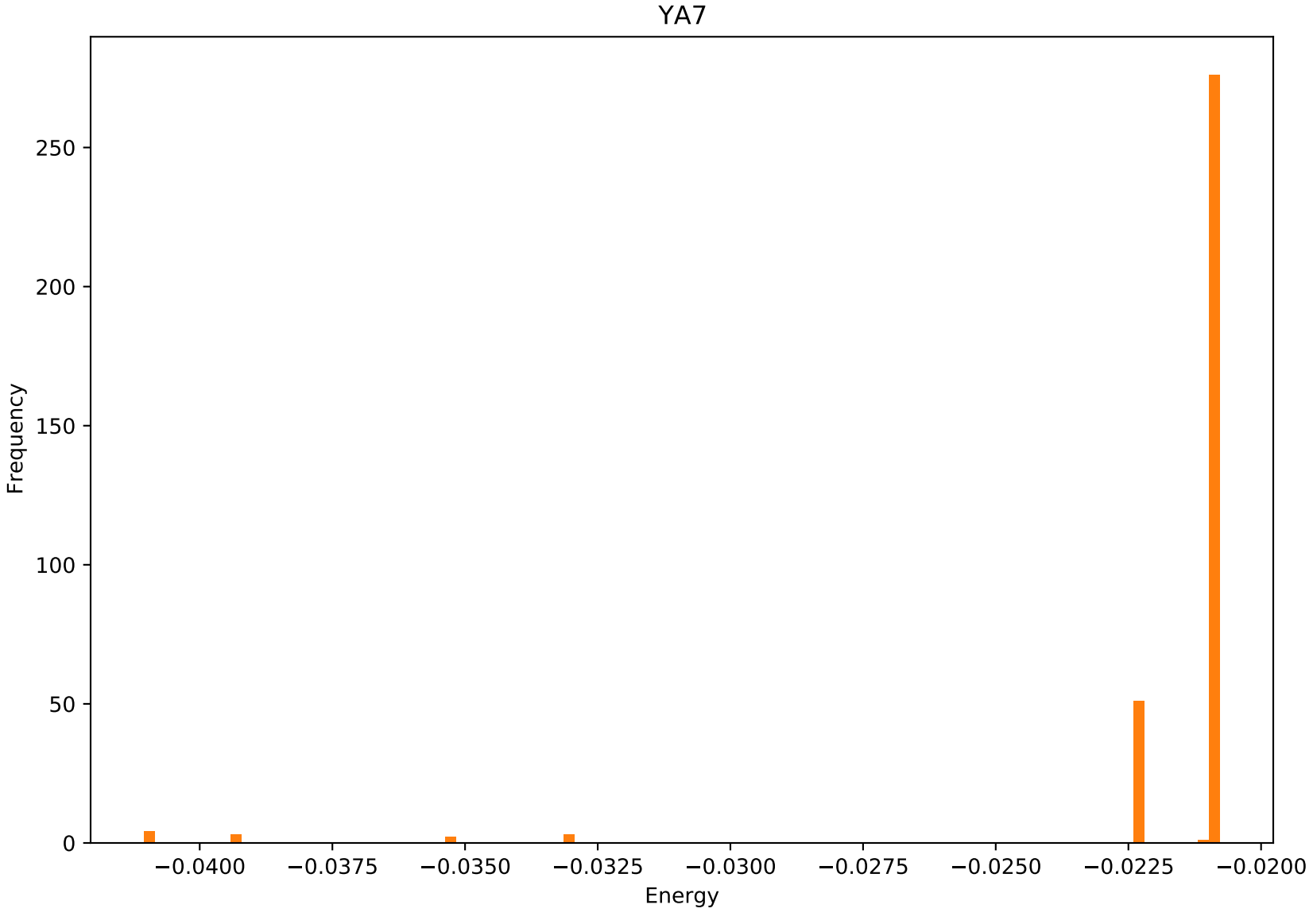

YA2
Frequency
350
300
250
200
150
100
50
0
−0.85
−0.84
−0.83
−0.82
−0.81
Energy

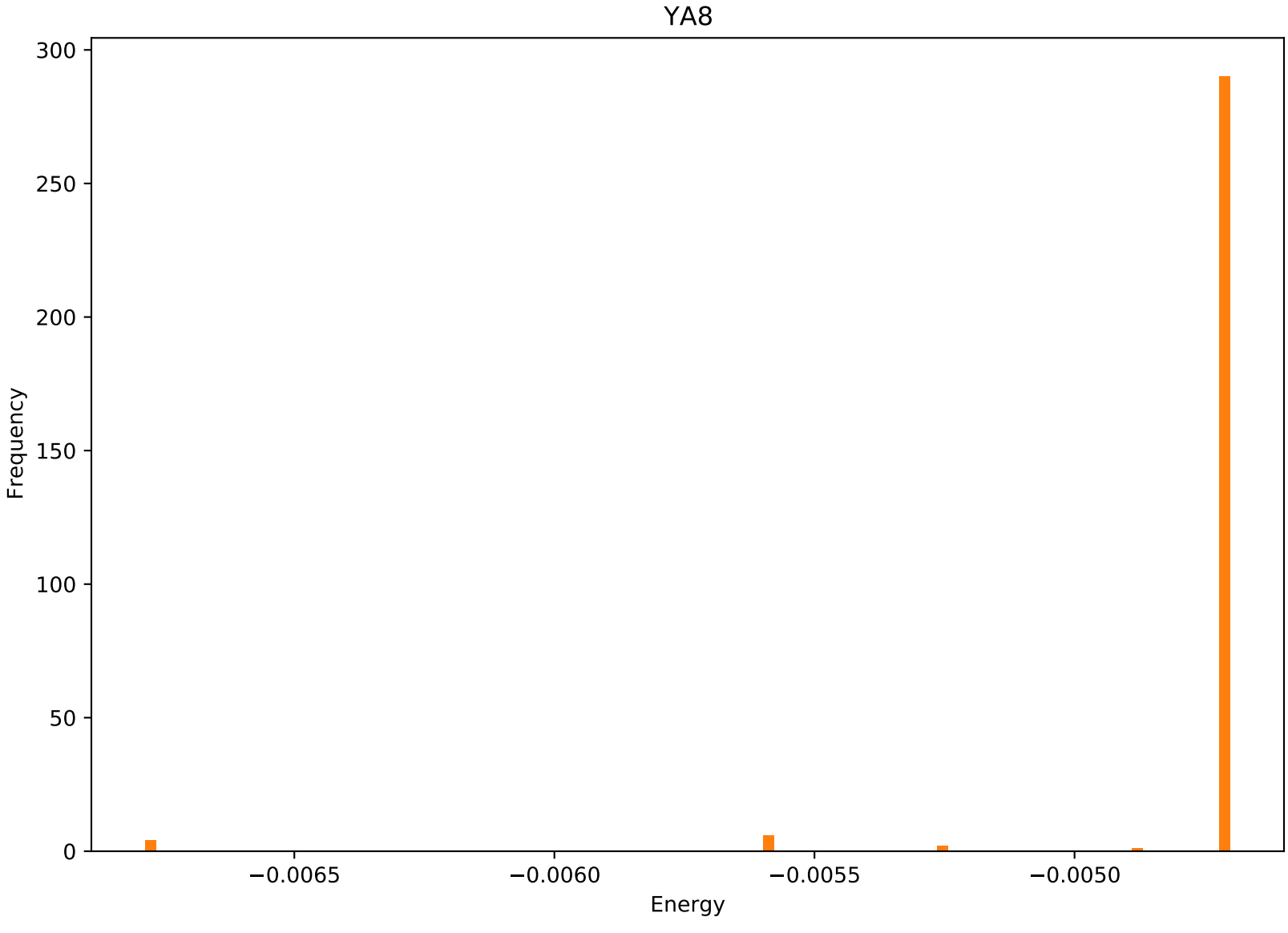

YA3
Frequency
300
250
200
150
100
50
0
−1.675
−1.650
−1.625
−1.600
−1.575
−1.550
−1.525
−1.500
Energy

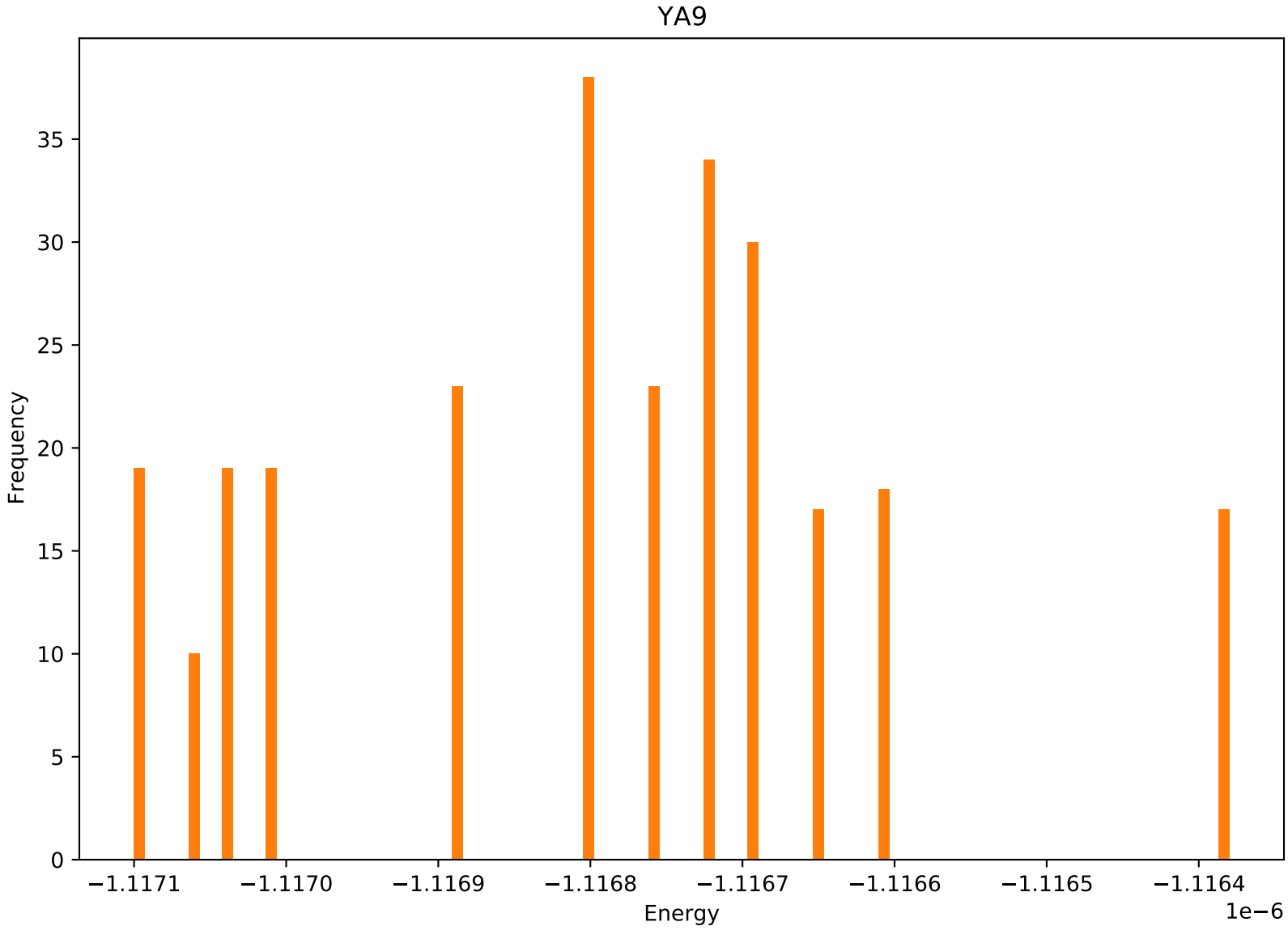

YA4
Frequency
300
250
200
150
100
50
0
−2.75
−2.70
−2.65
−2.60
−2.55
−2.50
−2.45
Energy

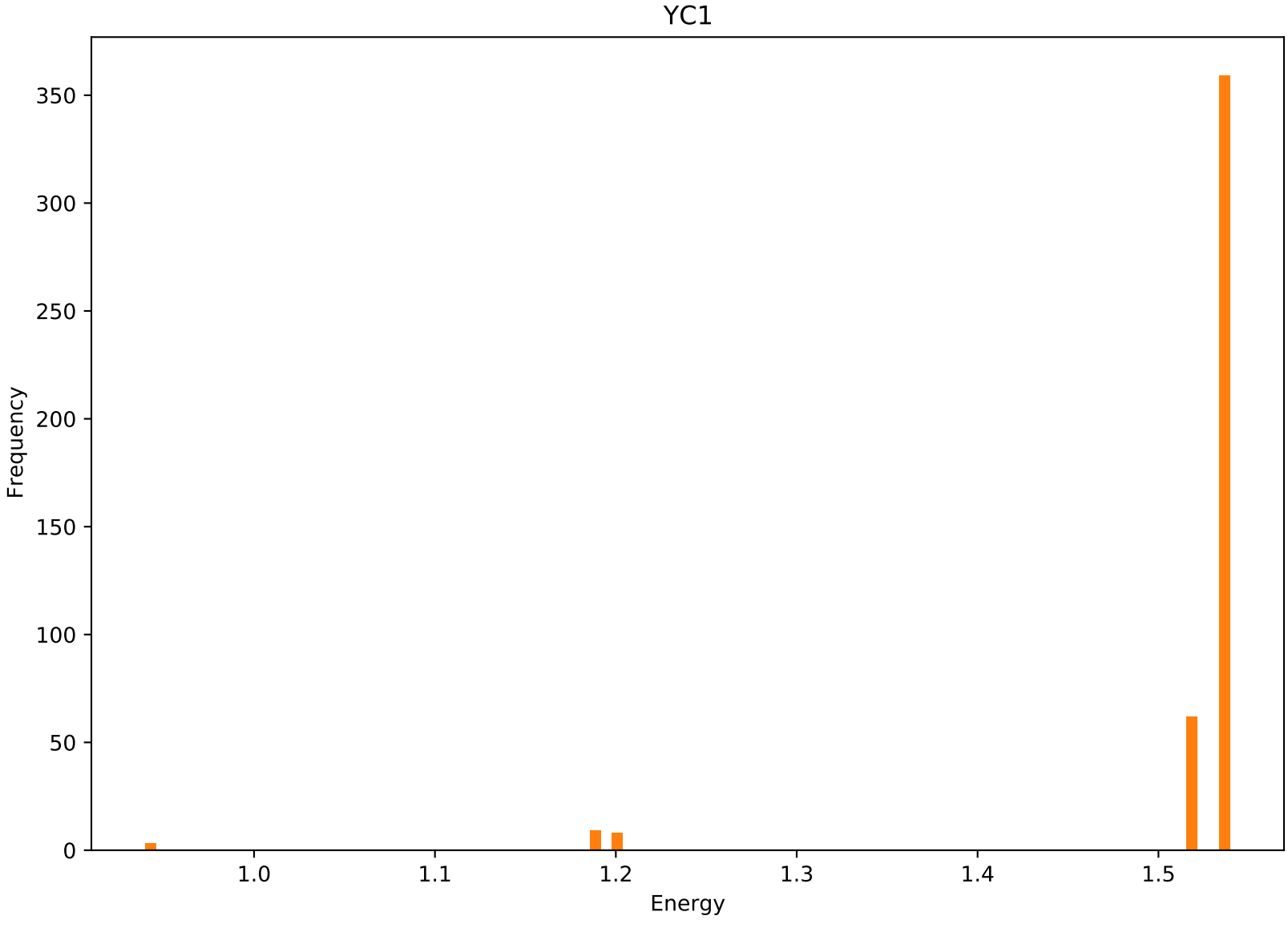

YA5
350
300
250
200
150
100
50
0
Frequency
−0.145
−0.140
−0.135
−0.130
−0.125
−0.120
Energy

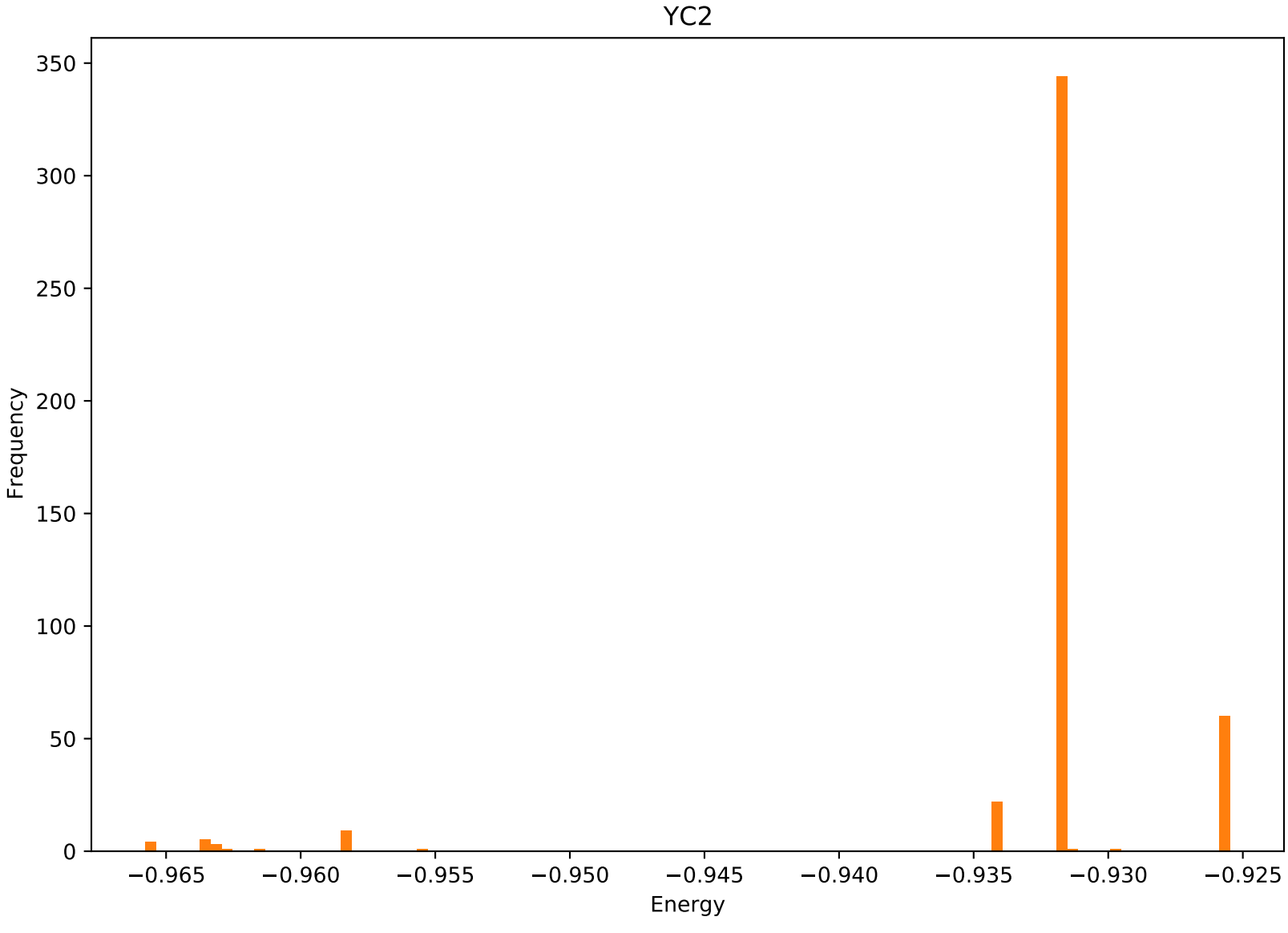

YA6
Frequency
250
200
150
100
50
0
−0.039
−0.038
−0.037
−0.036
−0.035
−0.034
Energy

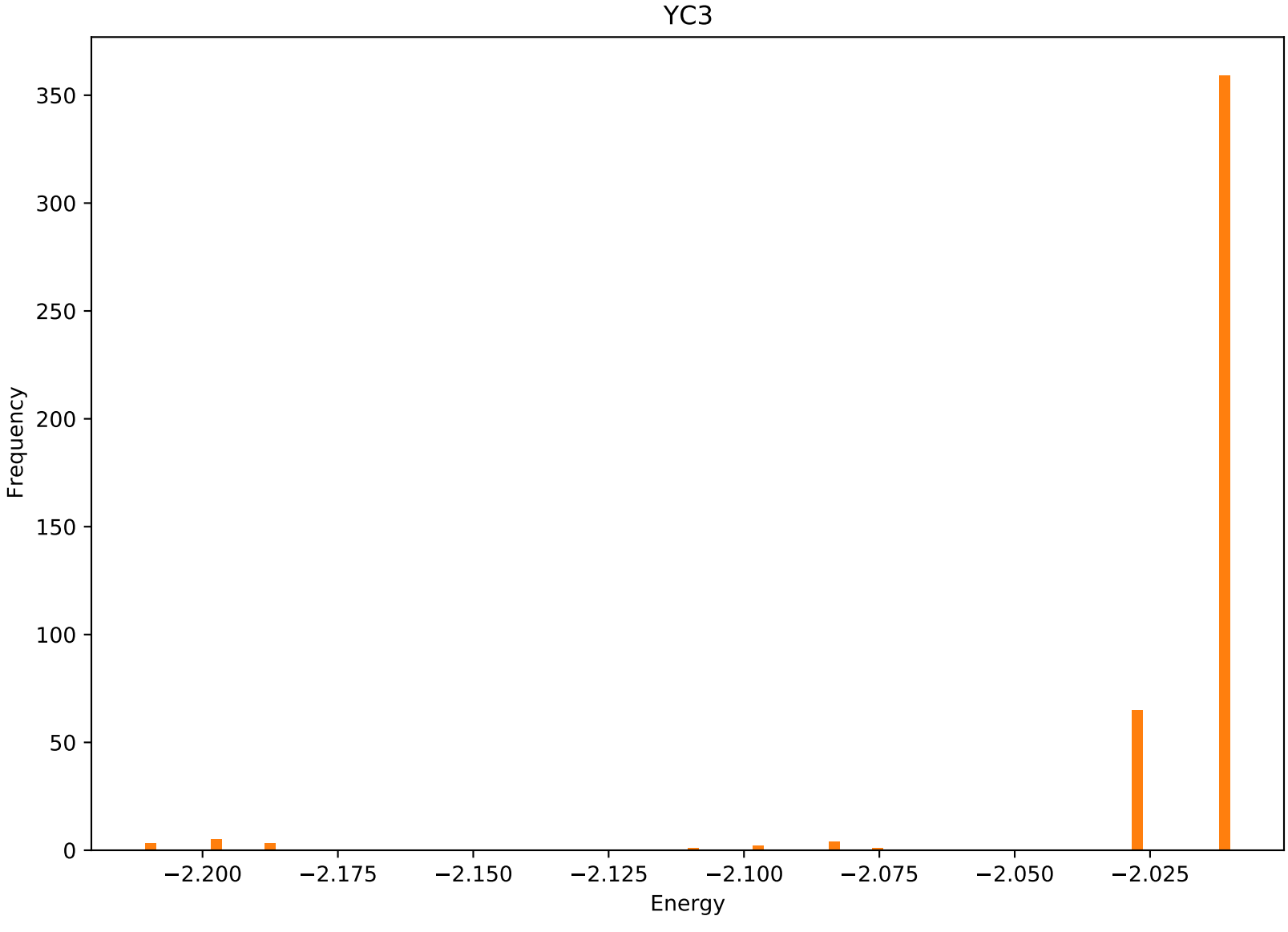

YA7
Frequency
250
200
150
100
50
0
−0.0400
−0.0375
−0.0350
−0.0325
−0.0300
−0.0275
−0.0250
−0.0225
−0.0200
Energy

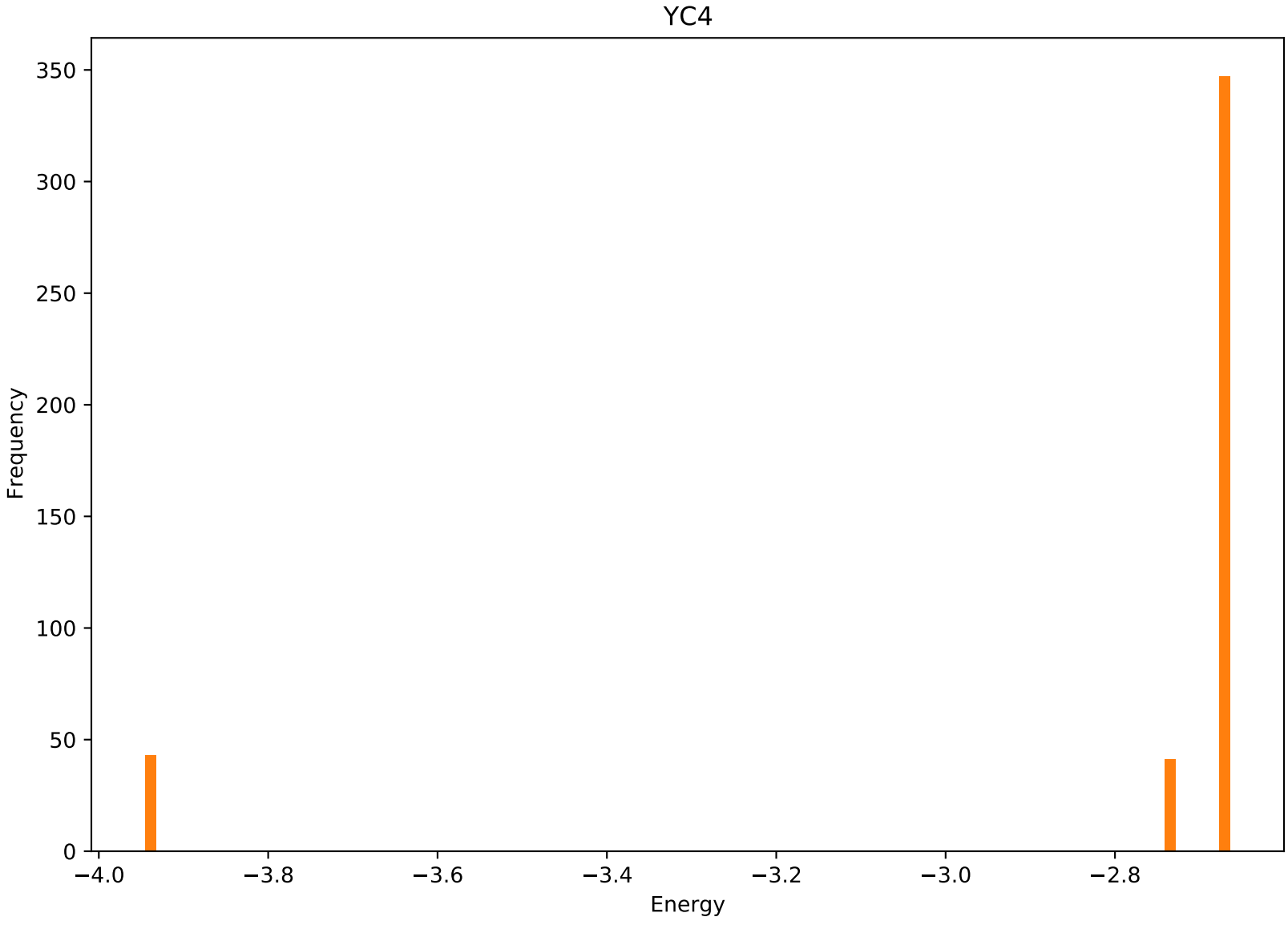

YA8
300
250
200
150
100
50
0
Frequency
−0.0065
−0.0060
−0.0055
−0.0050
Energy

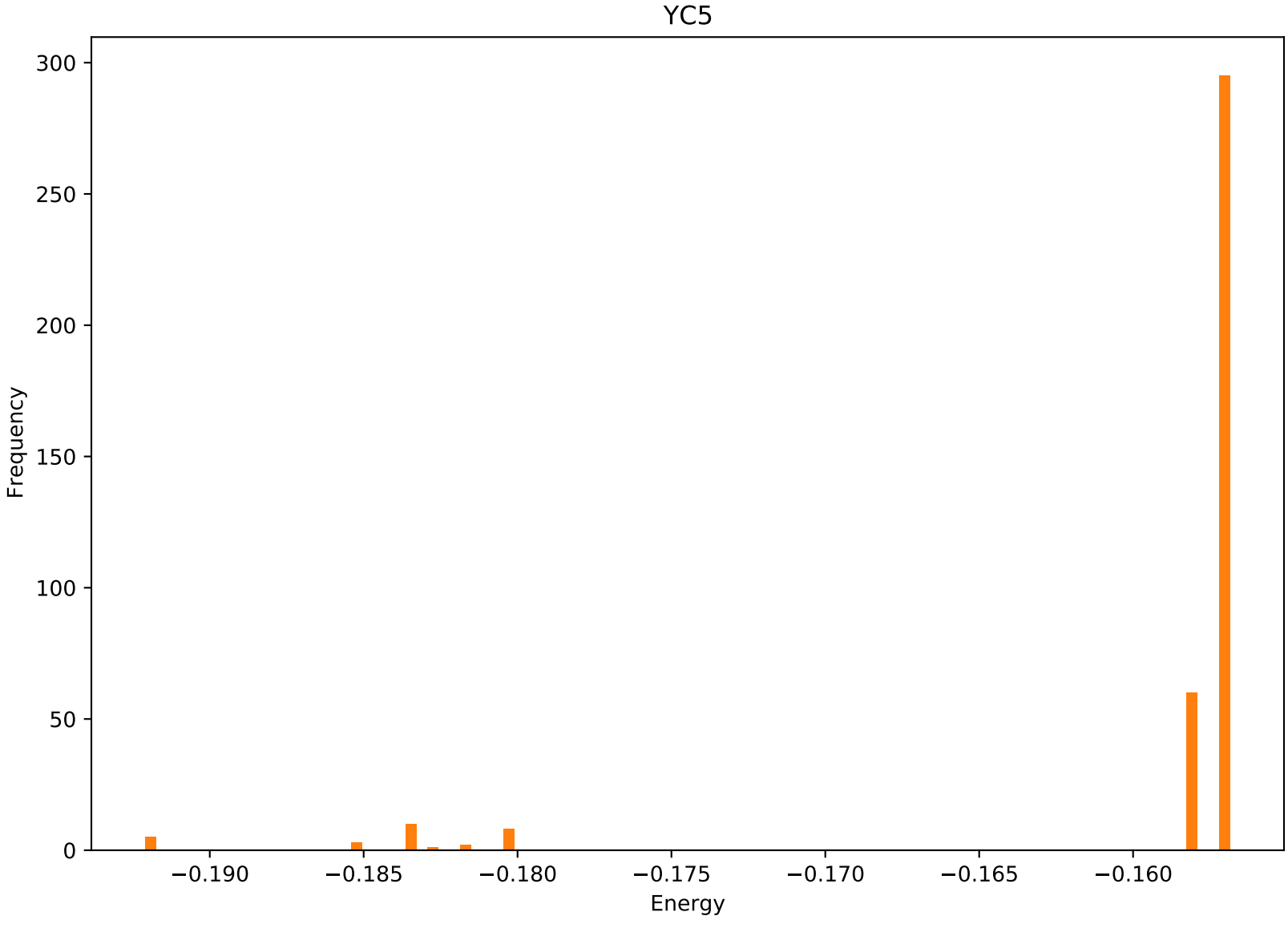

YA9
Frequency
0
5
10
15
20
25
30
35
−1.1171
−1.1170
−1.1169
−1.1168
−1.1167
−1.1166
−1.1165
−1.1164
Energy
1e−6

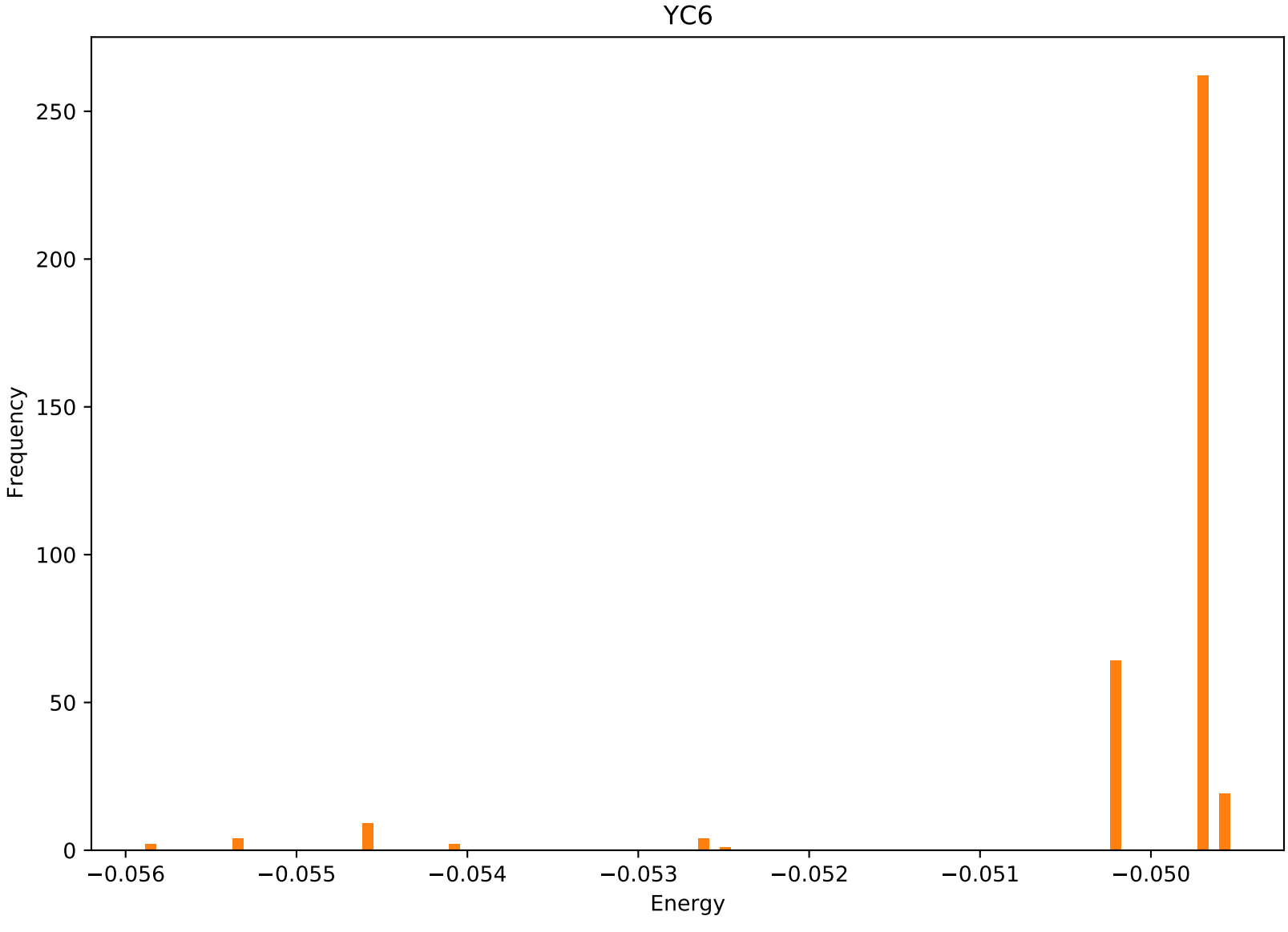

YC1
Frequency
Energy
0
50
100
150
200
250
300
350
1.0
1.1
1.2
1.3
1.4
1.5

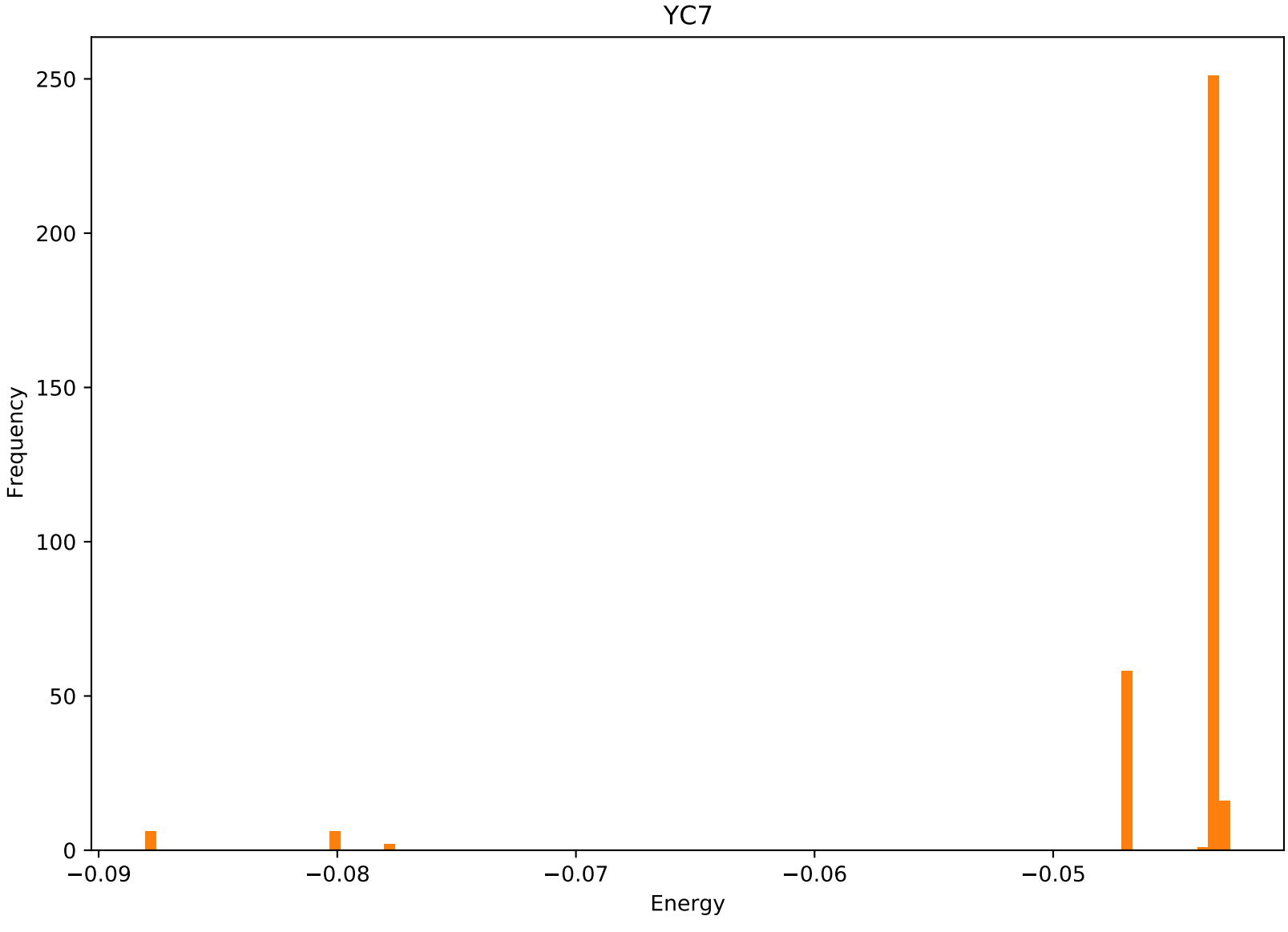

YC2
Frequency
Energy
0
50
100
150
200
250
300
350
−0.965
−0.960
−0.955
−0.950
−0.945
−0.940
−0.935
−0.930
−0.925

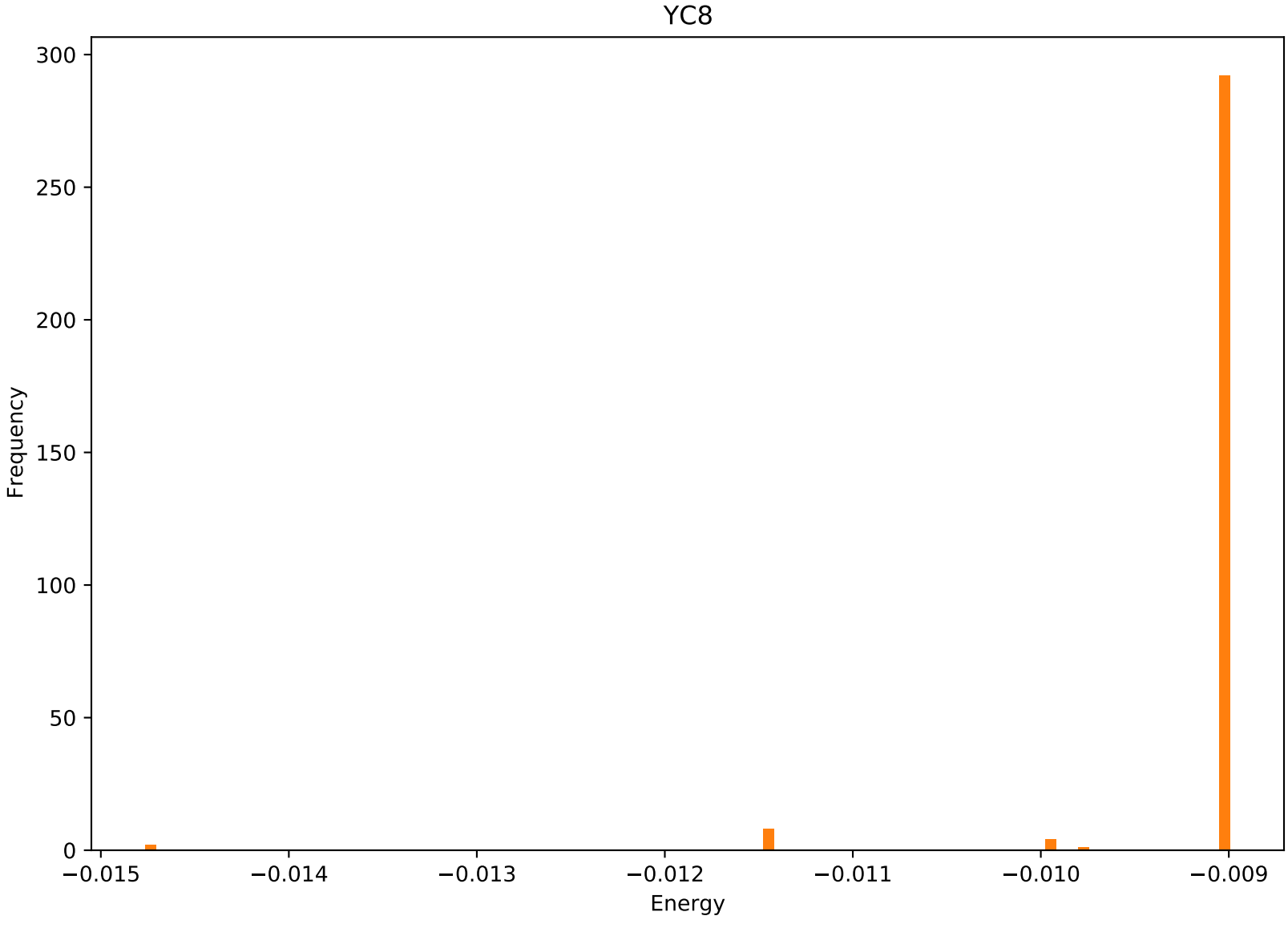

YC3
Frequency
Energy
0
50
100
150
200
250
300
350
−2.200
−2.175
−2.150
−2.125
−2.100
−2.075
−2.050
−2.025

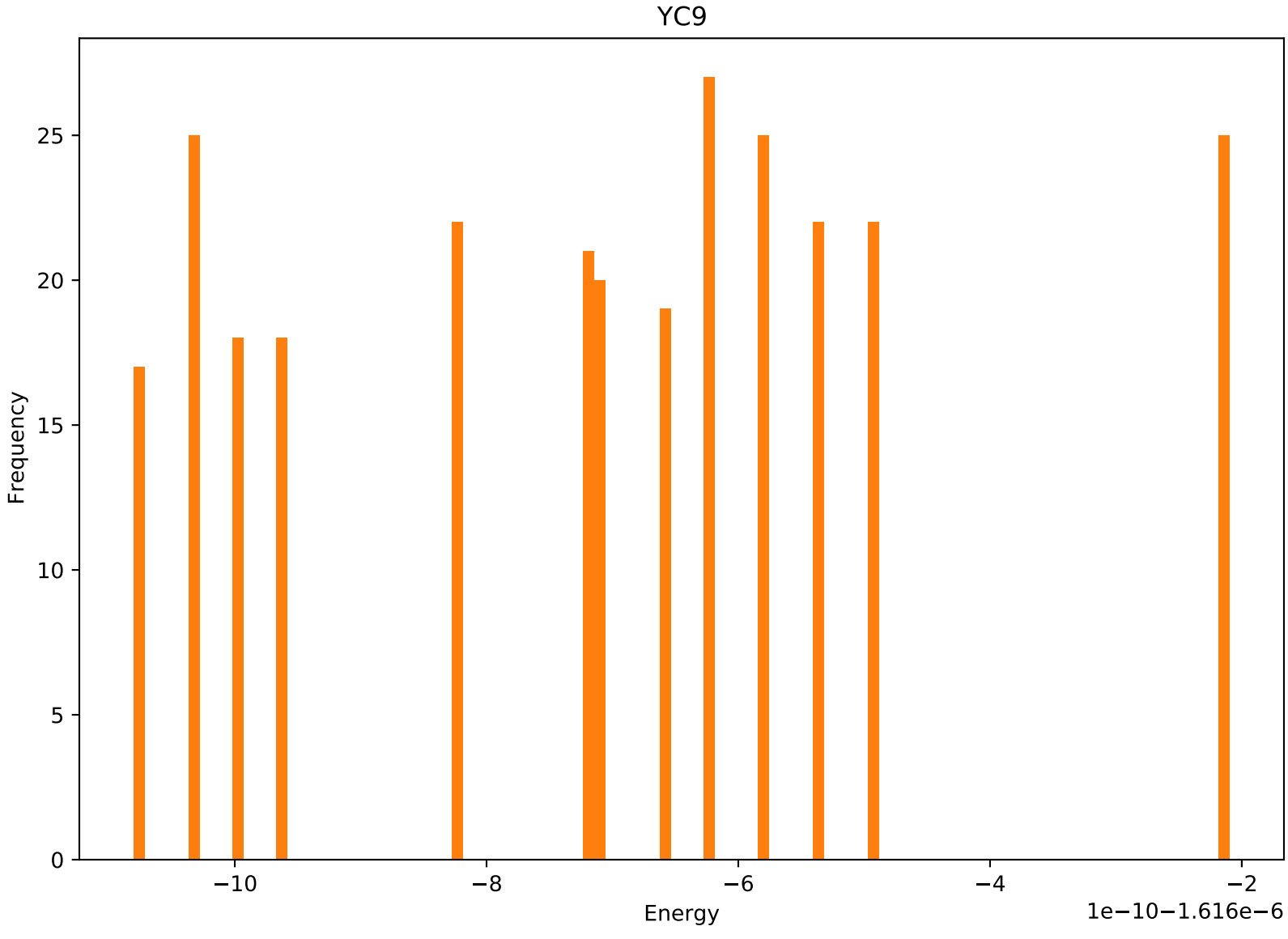

YC4
Frequency
Energy
0
50
100
150
200
250
300
350
−4.0
−3.8
−3.6
−3.4
−3.2
−3.0
−2.8

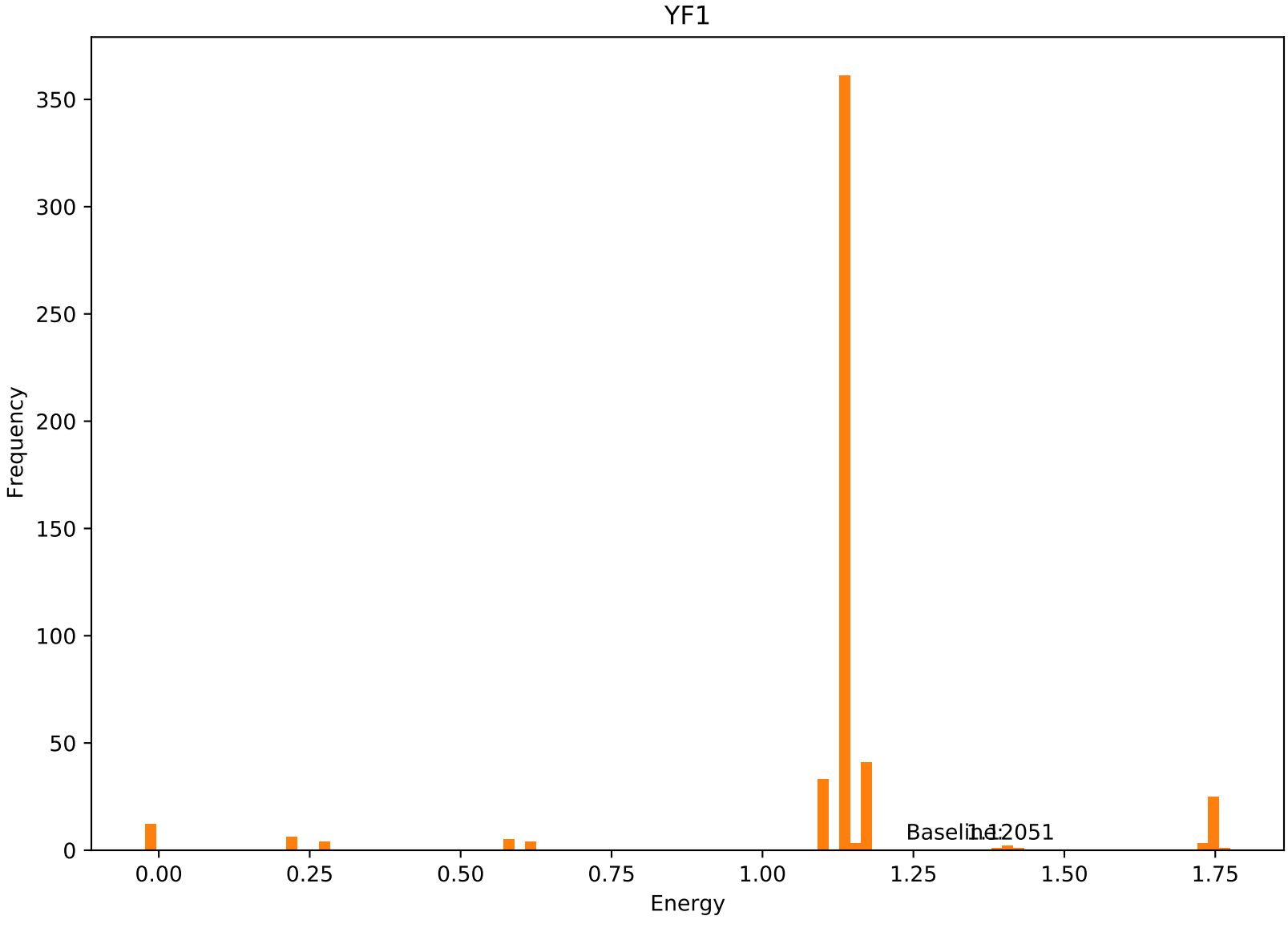

YC5
300
250
200
150
100
50
0
Frequency
−0.190
−0.185
−0.180
−0.175
−0.170
−0.165
−0.160
Energy

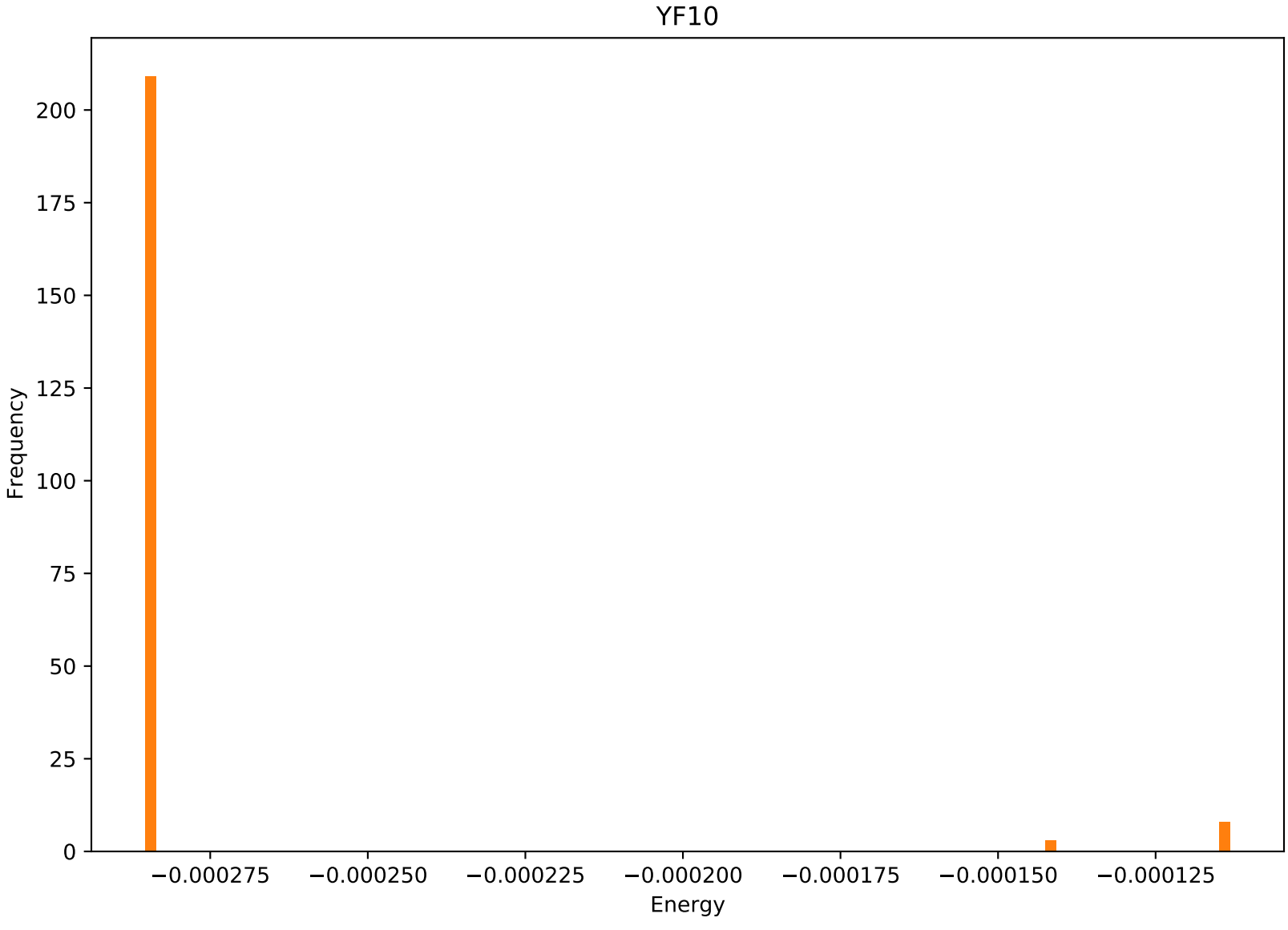

YC6
Frequency
250
200
150
100
50
0
−0.056
−0.055
−0.054
−0.053
−0.052
−0.051
−0.050
Energy

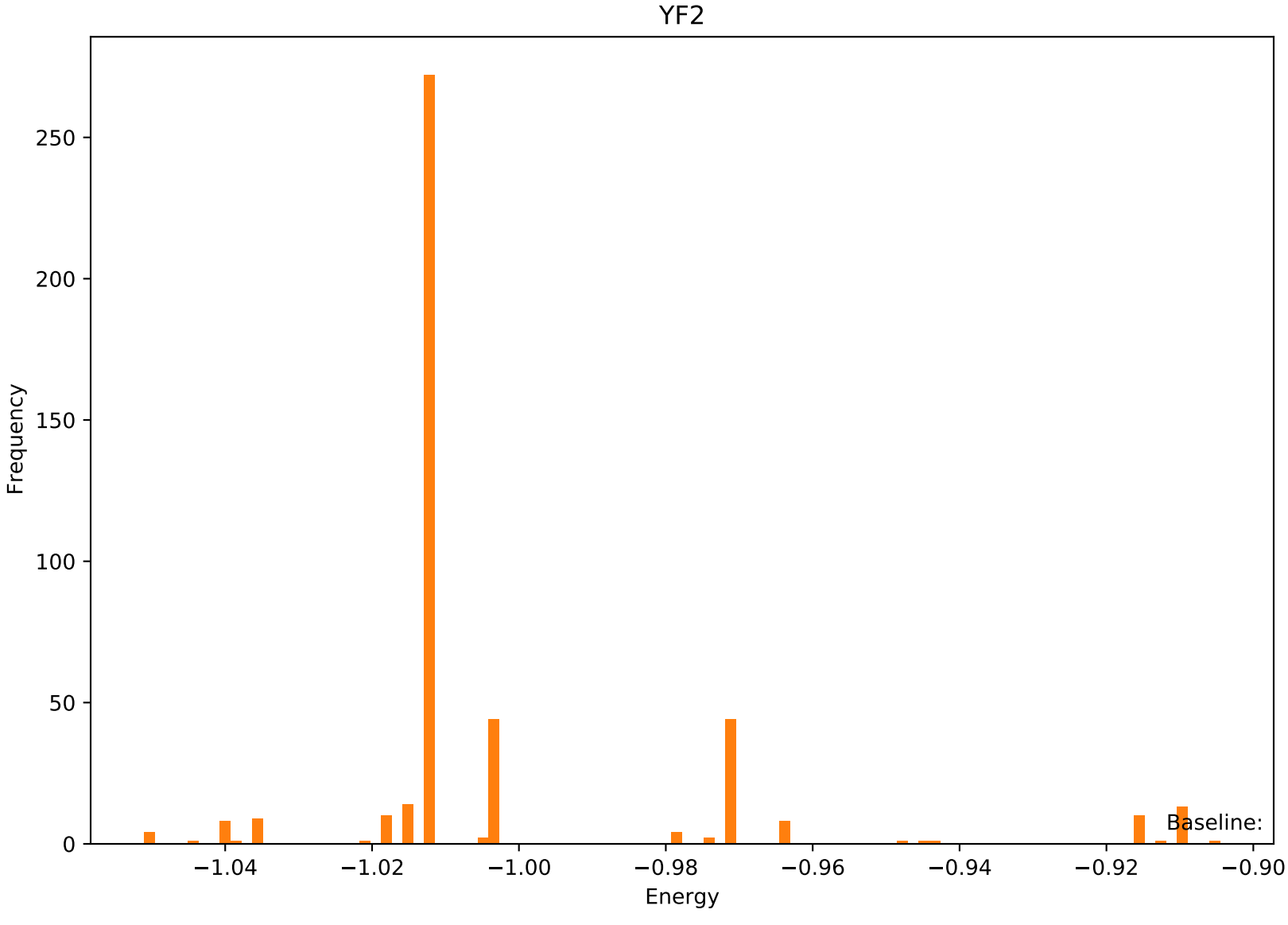

YC7
Frequency
250
200
150
100
50
0
−0.09
−0.08
−0.07
−0.06
−0.05
Energy

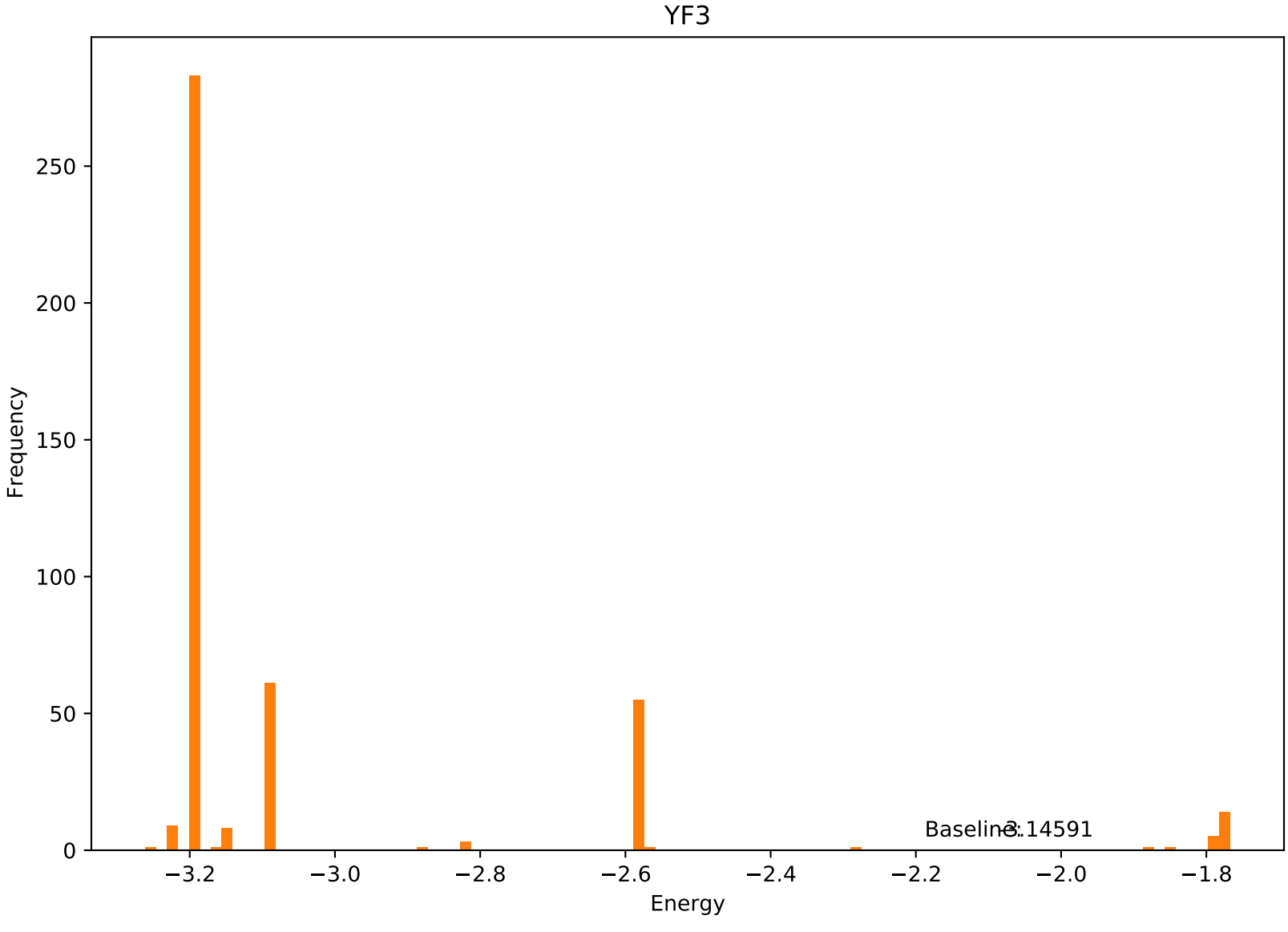

YC8
Frequency
Energy
300
250
200
150
100
50
0
−0.015
−0.014
−0.013
−0.012
−0.011
−0.010
−0.009

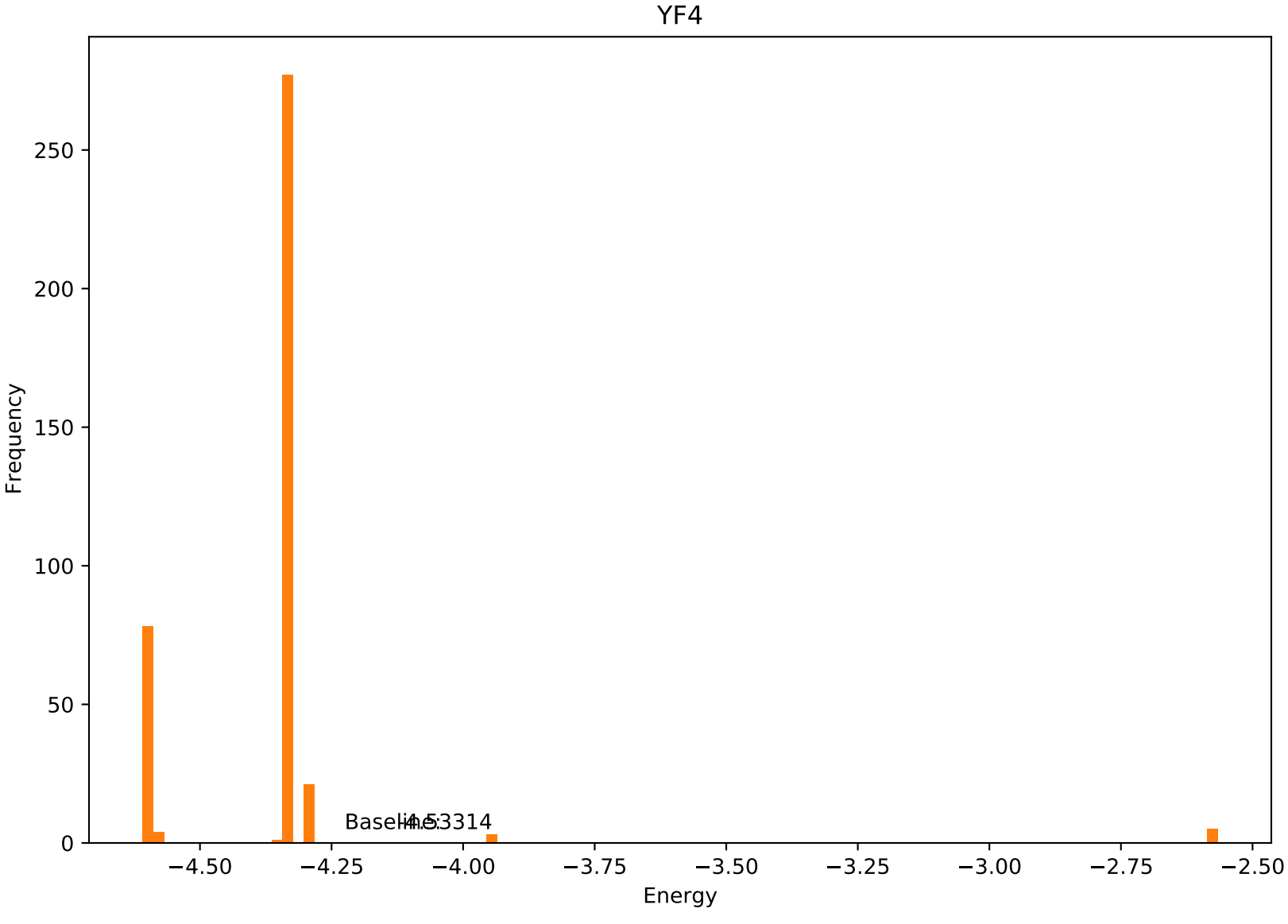

YC9
Frequency
0
5
10
15
20
25
−10
−8
−6
−4
−2
Energy
1e−10−1.616e−6

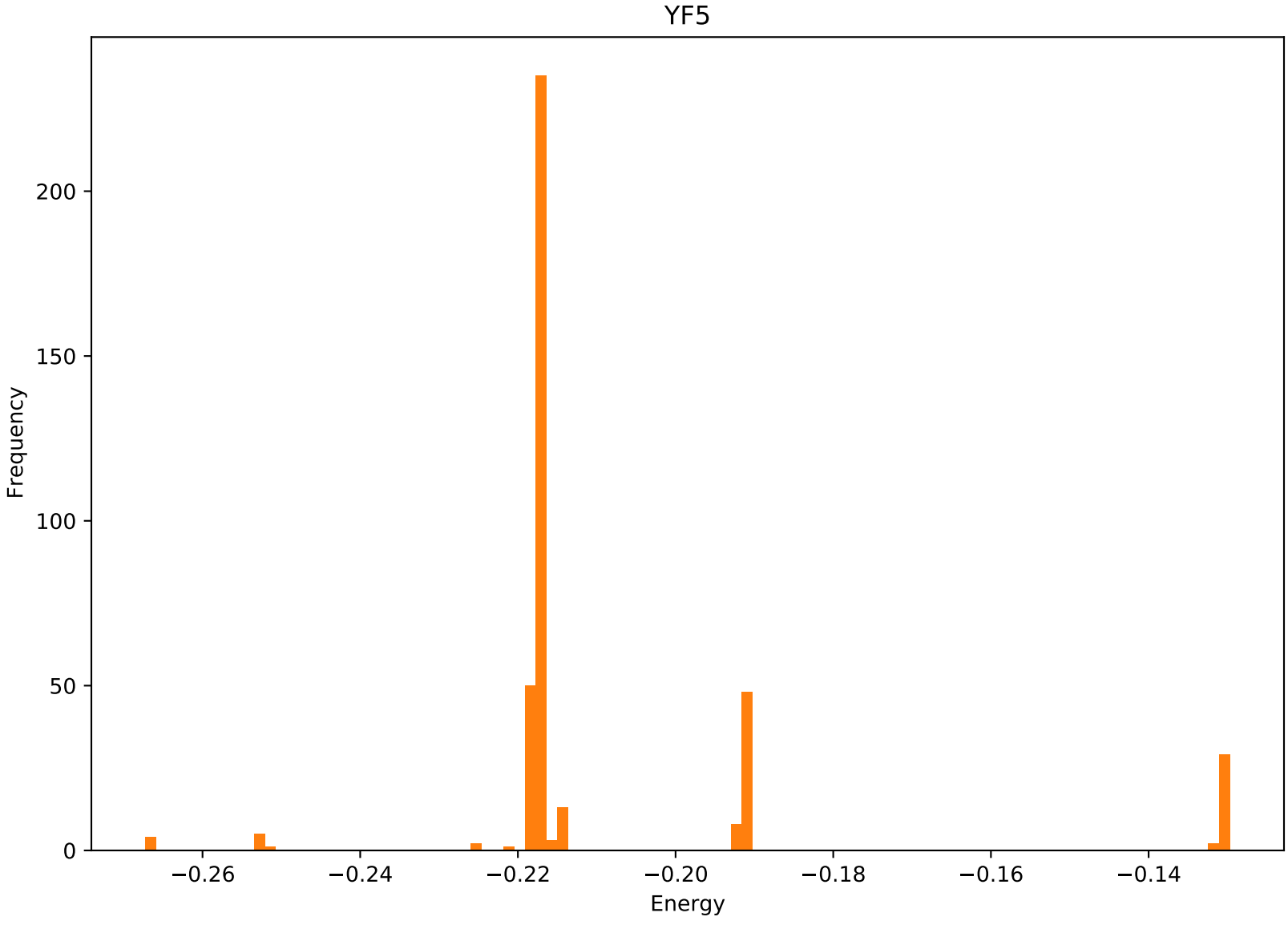

YF1
Frequency
Energy
0
50
100
150
200
250
300
350
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
Baseline2051

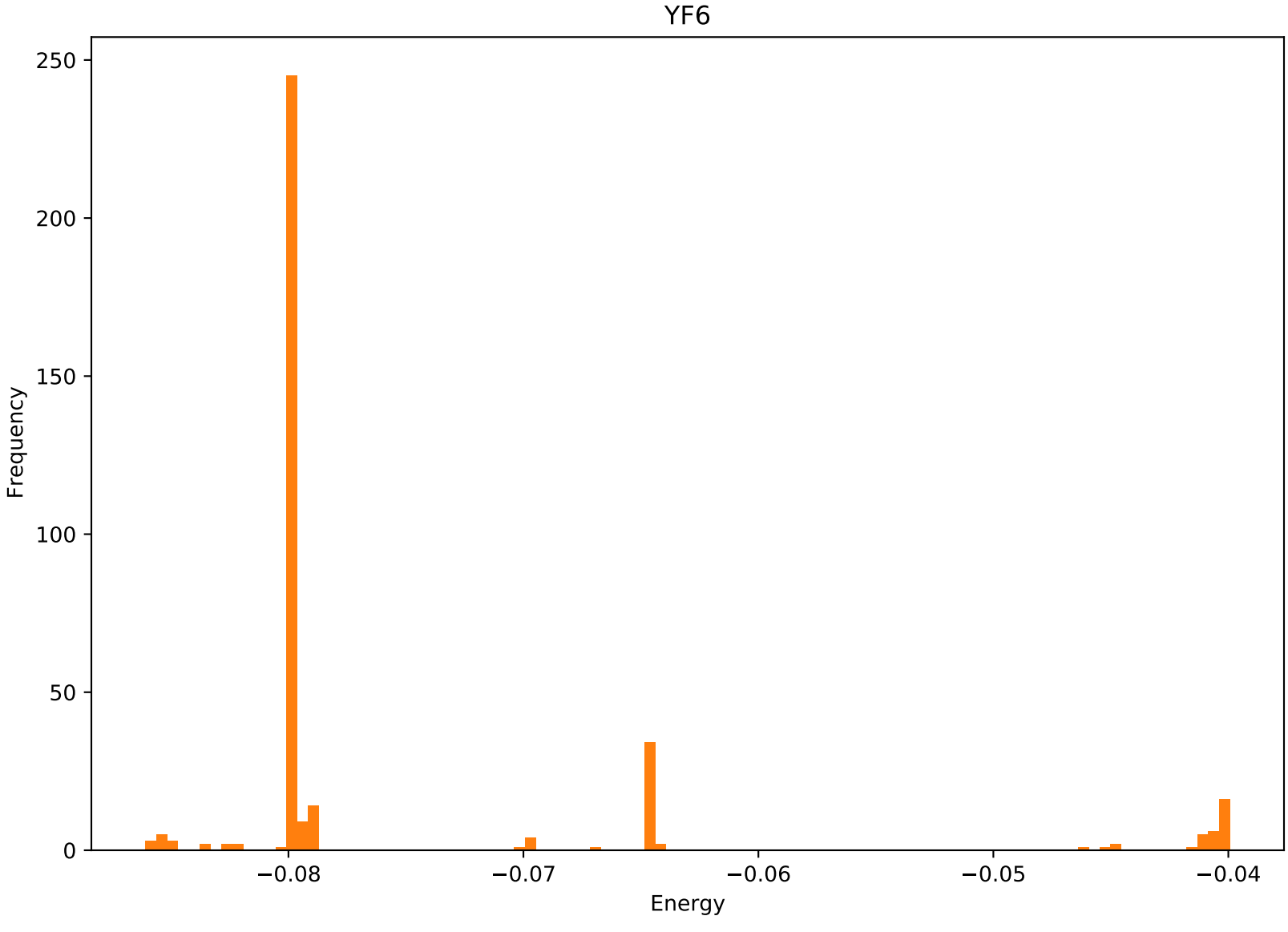

YF10
Frequency
200
175
150
125
100
75
50
25
0
−0.000275
−0.000250
−0.000225
−0.000200
−0.000175
−0.000150
−0.000125
Energy

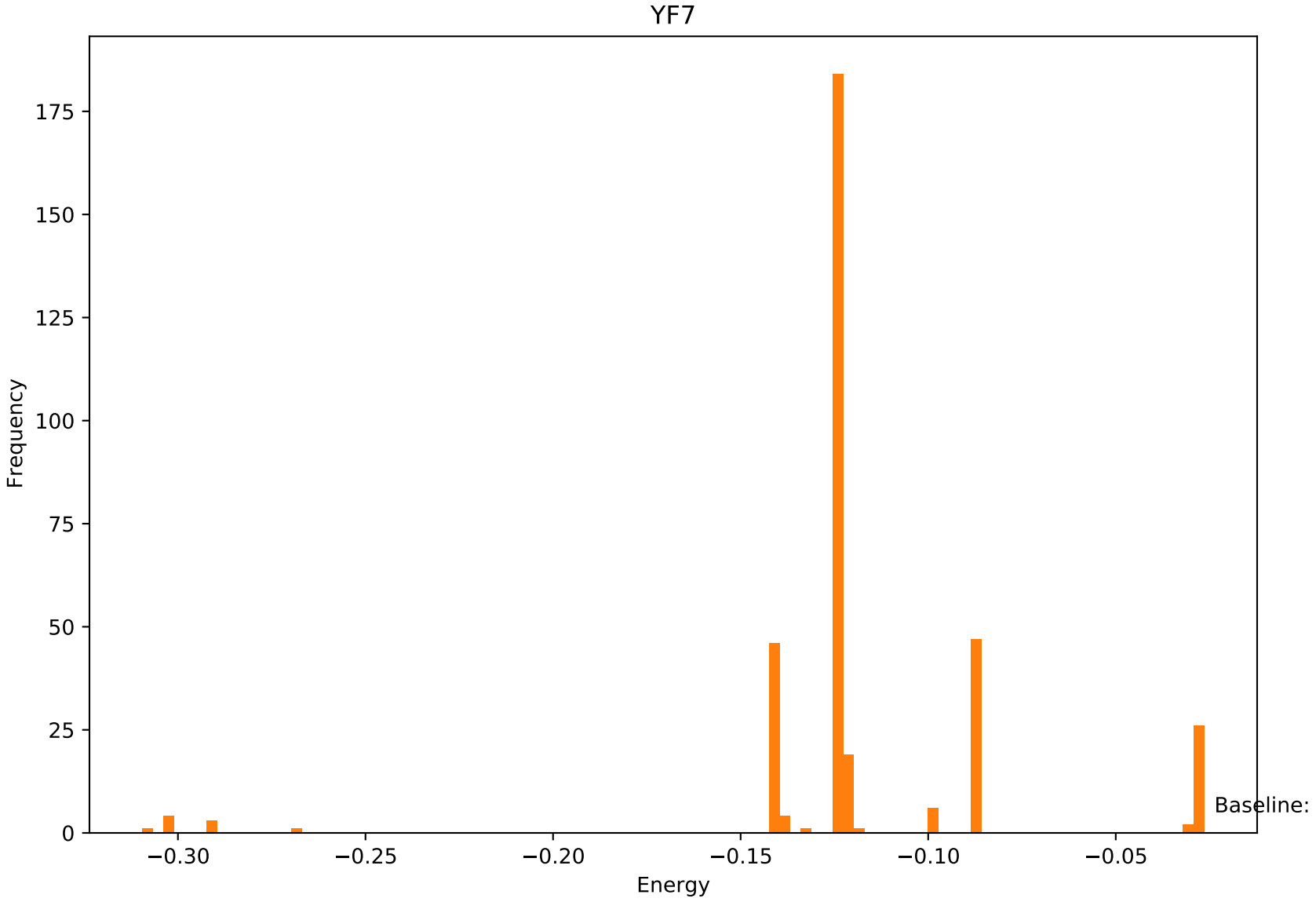

YF2
Frequency
250
200
150
100
50
0
−1.04
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90
Energy
Baseline:

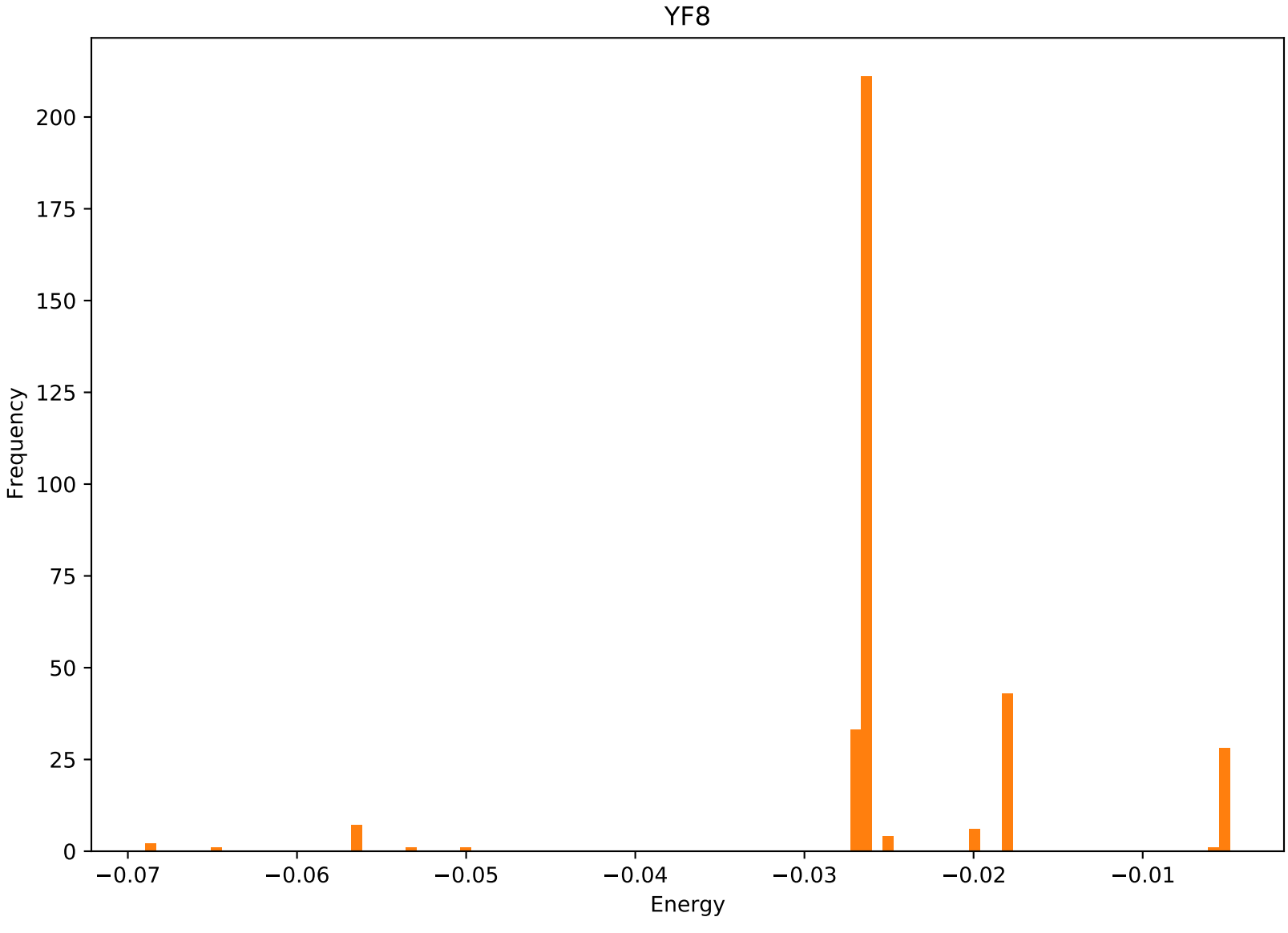

YF3
Frequency
Energy
Baseline: 3.14591
250
200
150
100
50
0
−3.2
−3.0
−2.8
−2.6
−2.4
−2.2
−2.0
−1.8

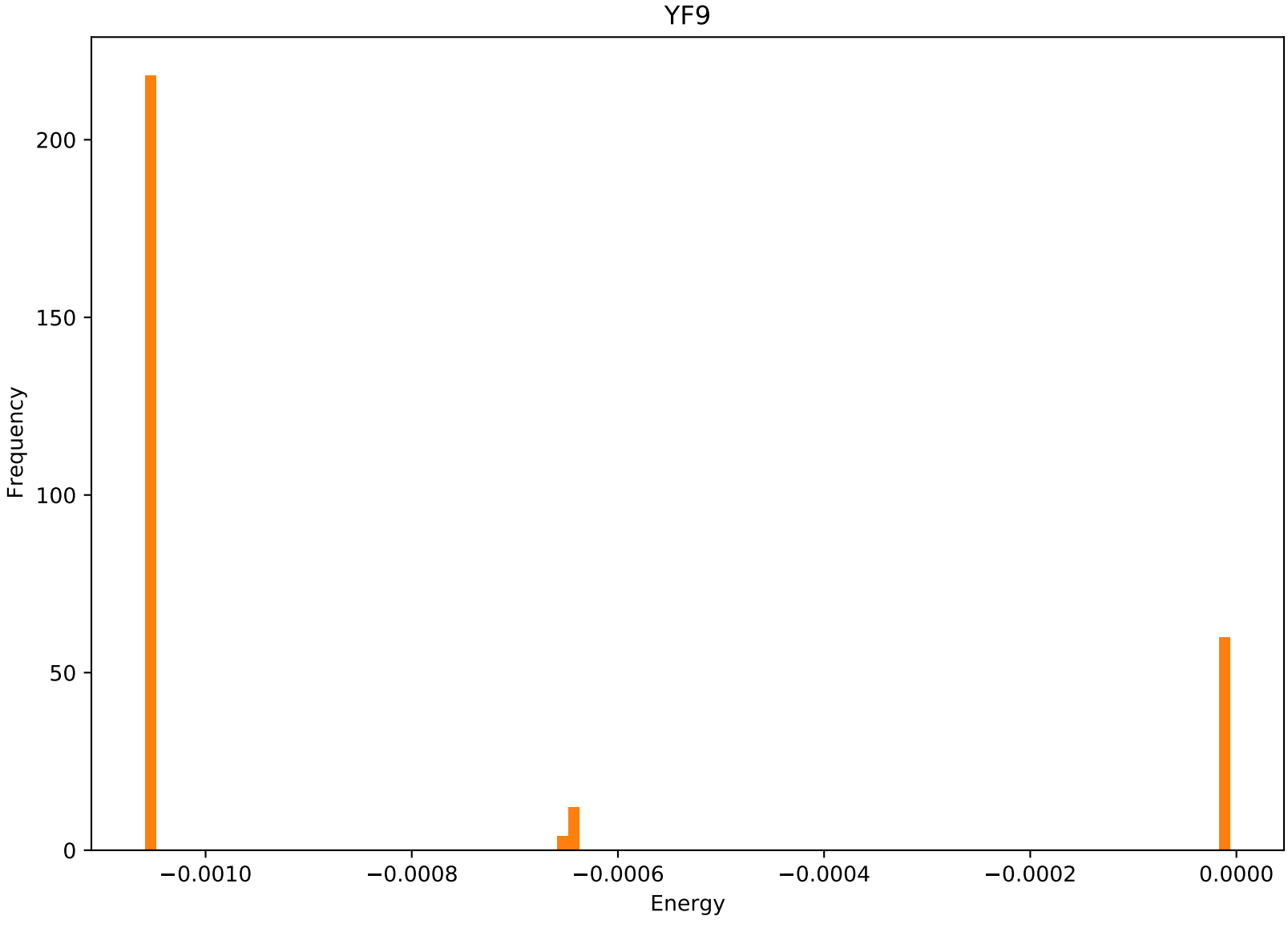

YF4
Frequency
Energy
0
50
100
150
200
250
−4.50
−4.25
−4.00
−3.75
−3.50
−3.25
−3.00
−2.75
−2.50
Baseline:
4.53314

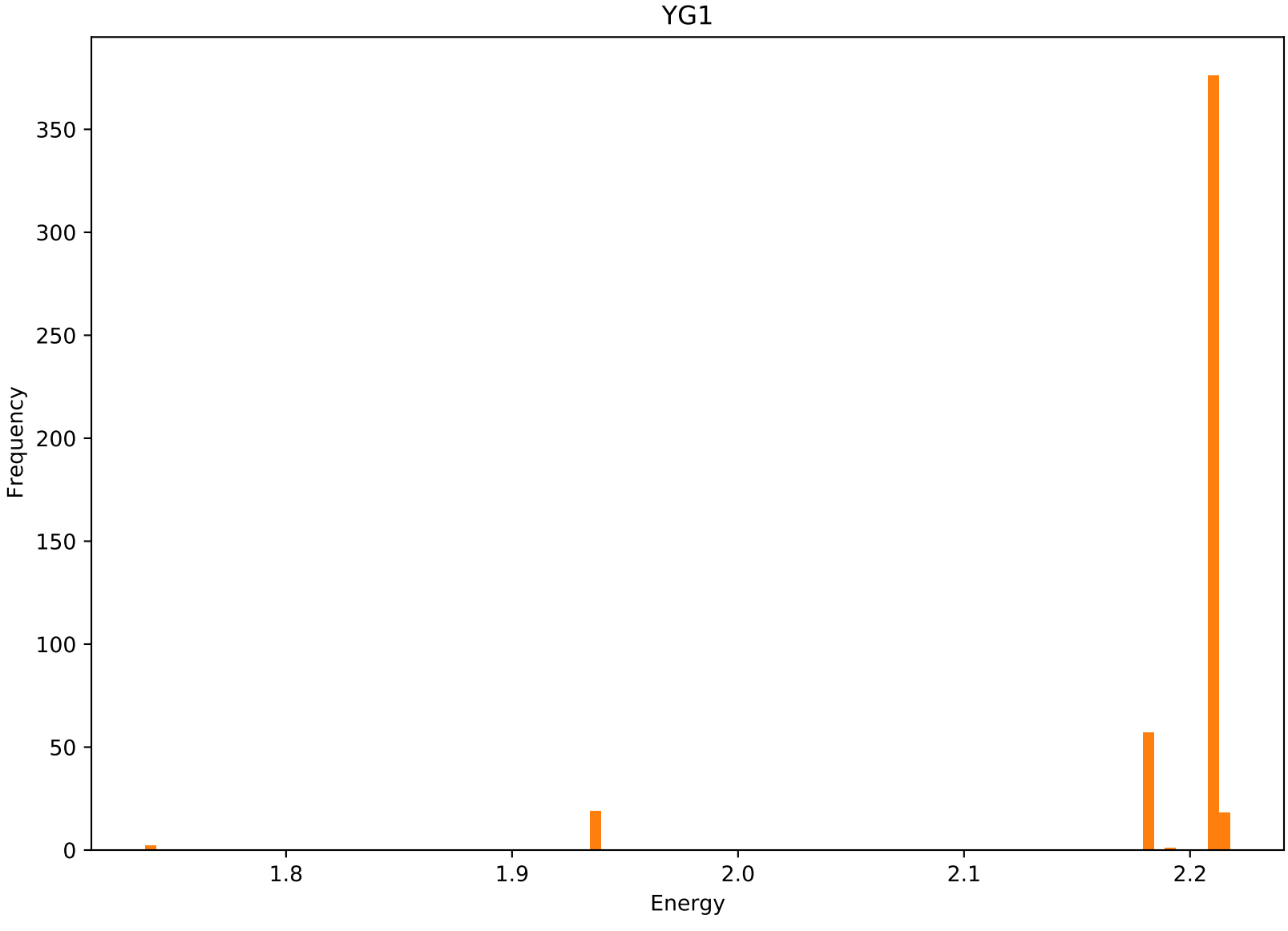

YF5
Frequency
0
50
100
150
200
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
Energy

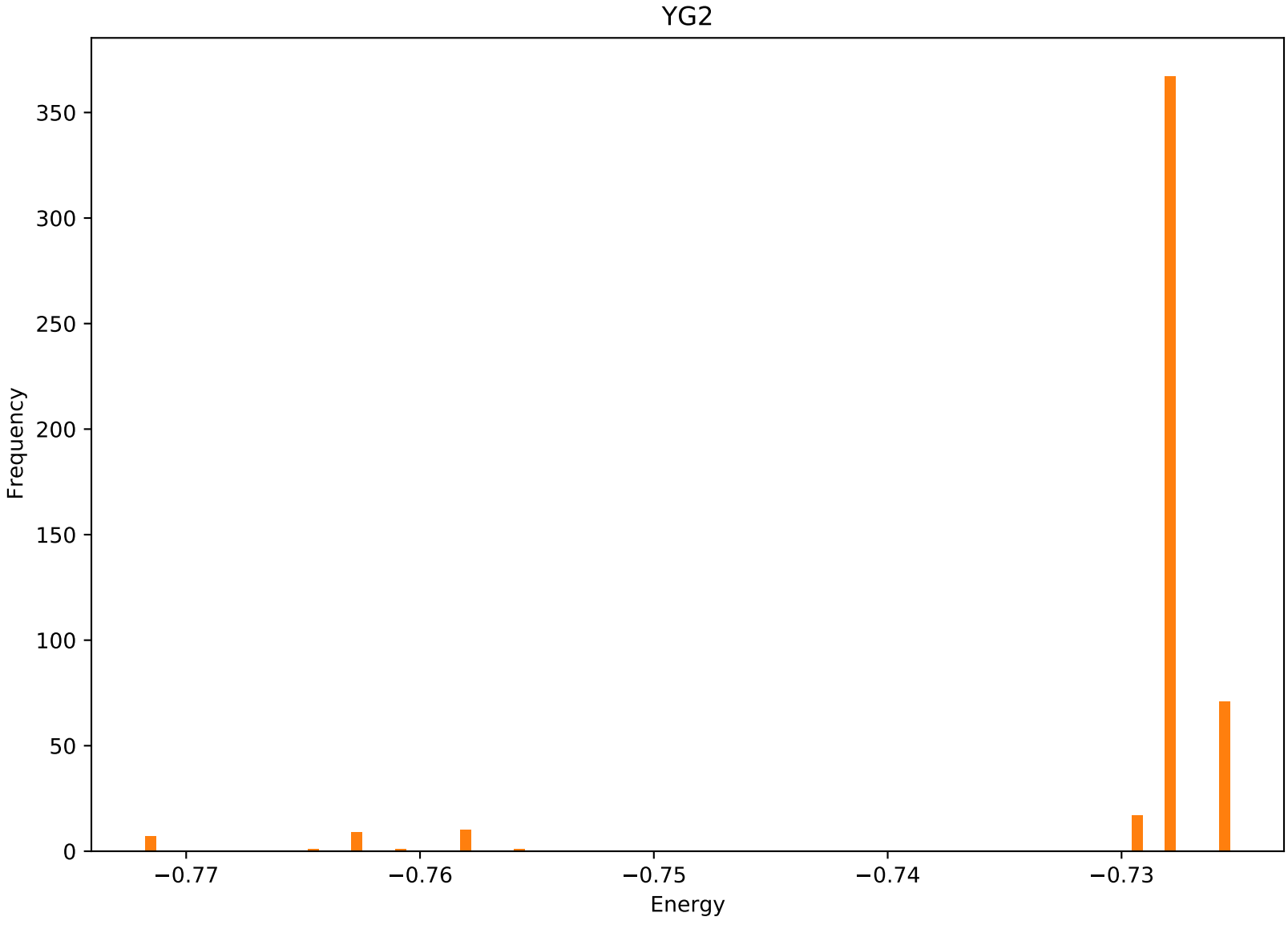

YF6
250
200
150
100
50
0
Frequency
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

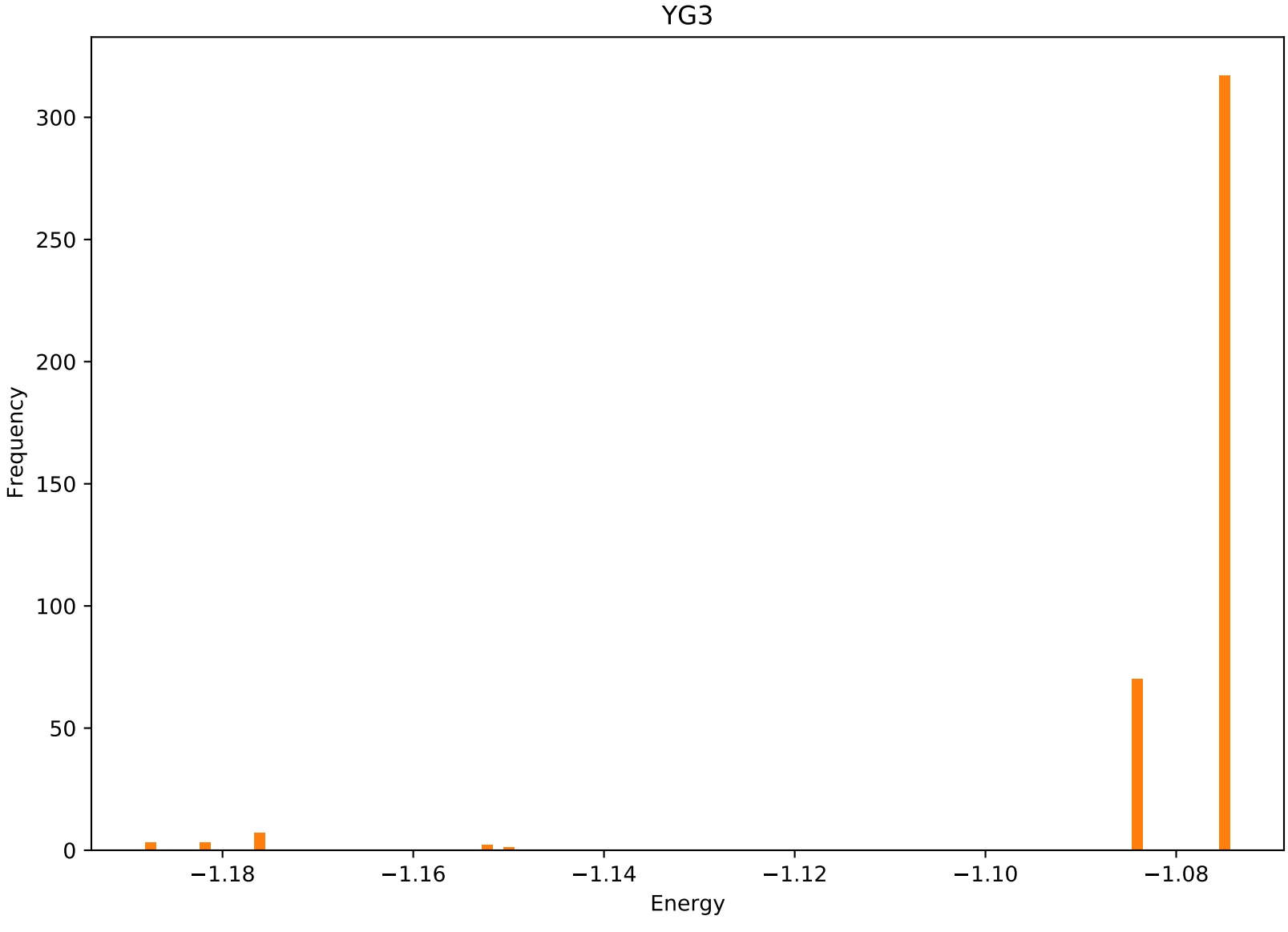

YF7
Frequency
Energy
0
25
50
75
100
125
150
175
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
Baseline:

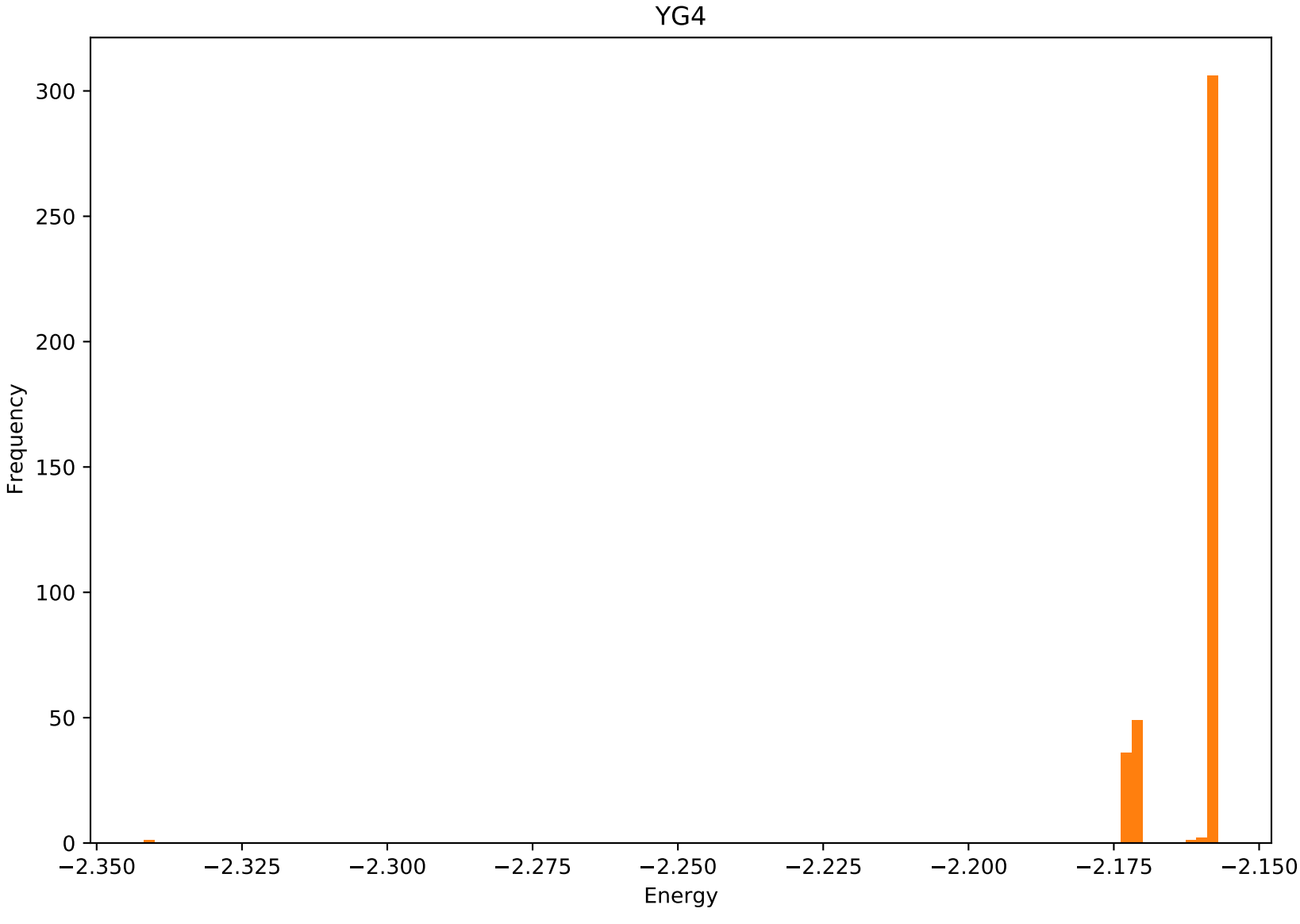

YF8
Frequency
200
175
150
125
100
75
50
25
0
−0.07
−0.06
−0.05
−0.04
−0.03
−0.02
−0.01
Energy

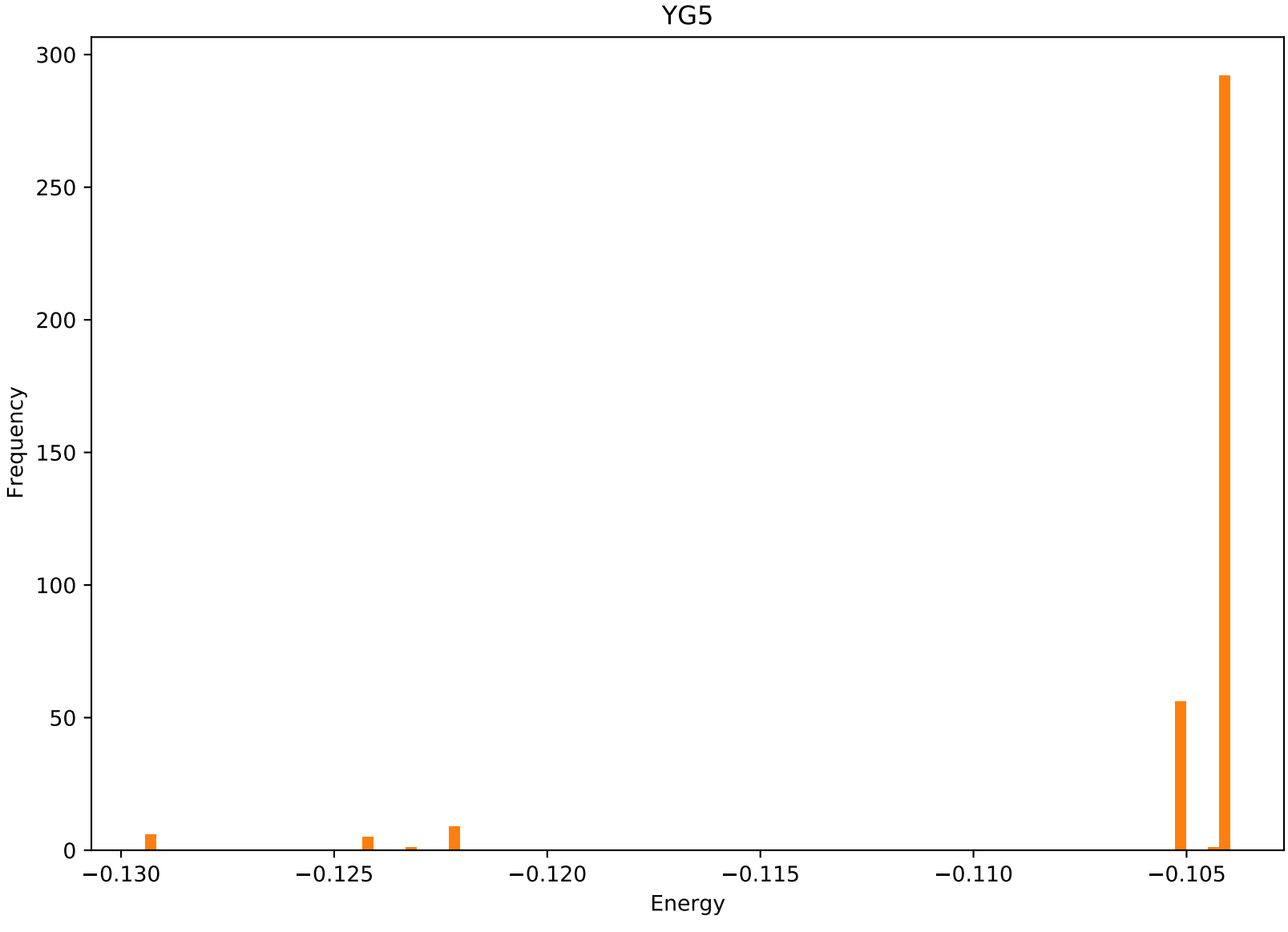

YF9
Frequency
200
150
100
50
0
−0.0010
−0.0008
−0.0006
−0.0004
−0.0002
0.0000
Energy

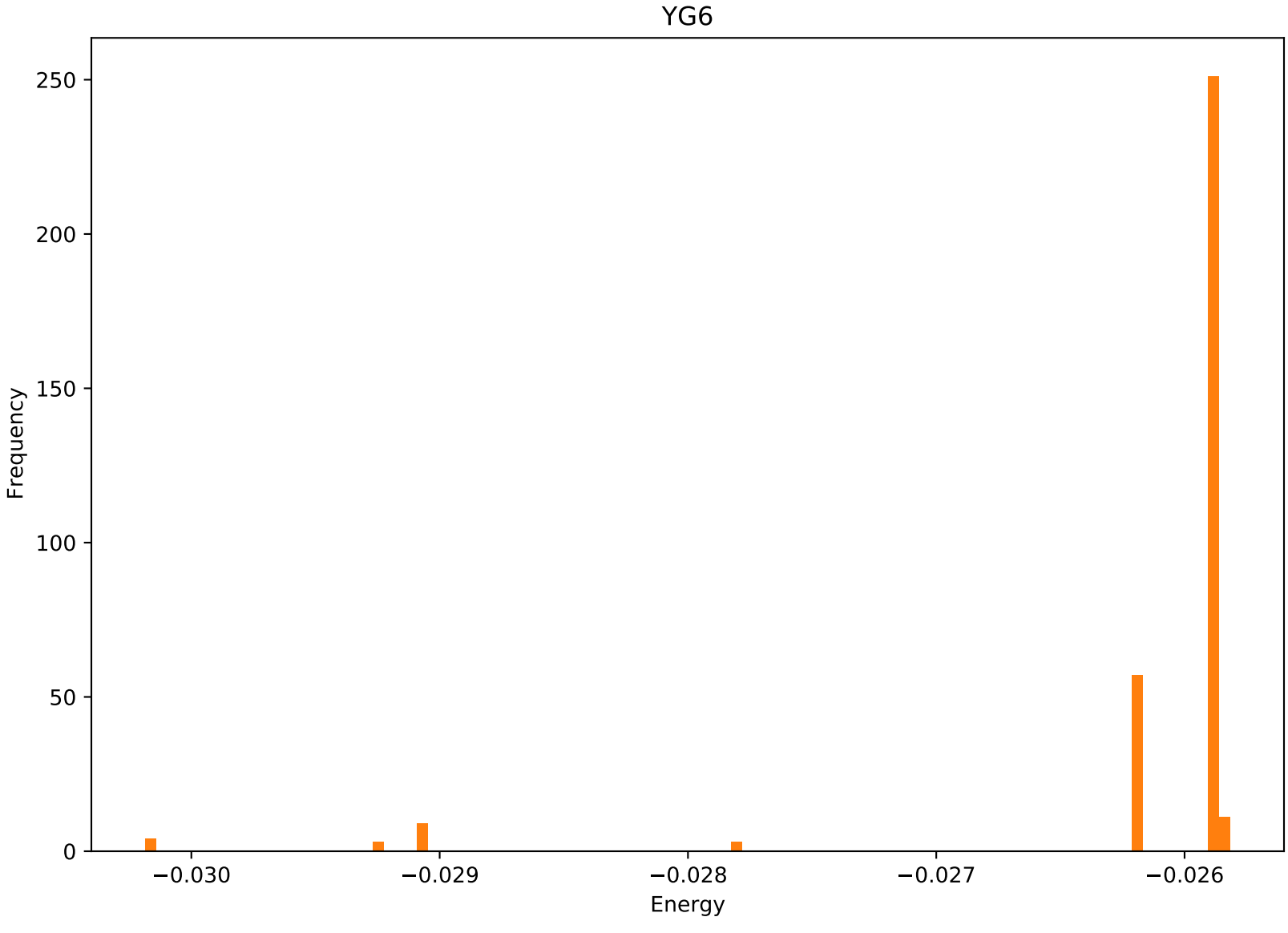

YG1
Frequency
350
300
250
200
150
100
50
0
1.8
1.9
2.0
2.1
2.2
Energy

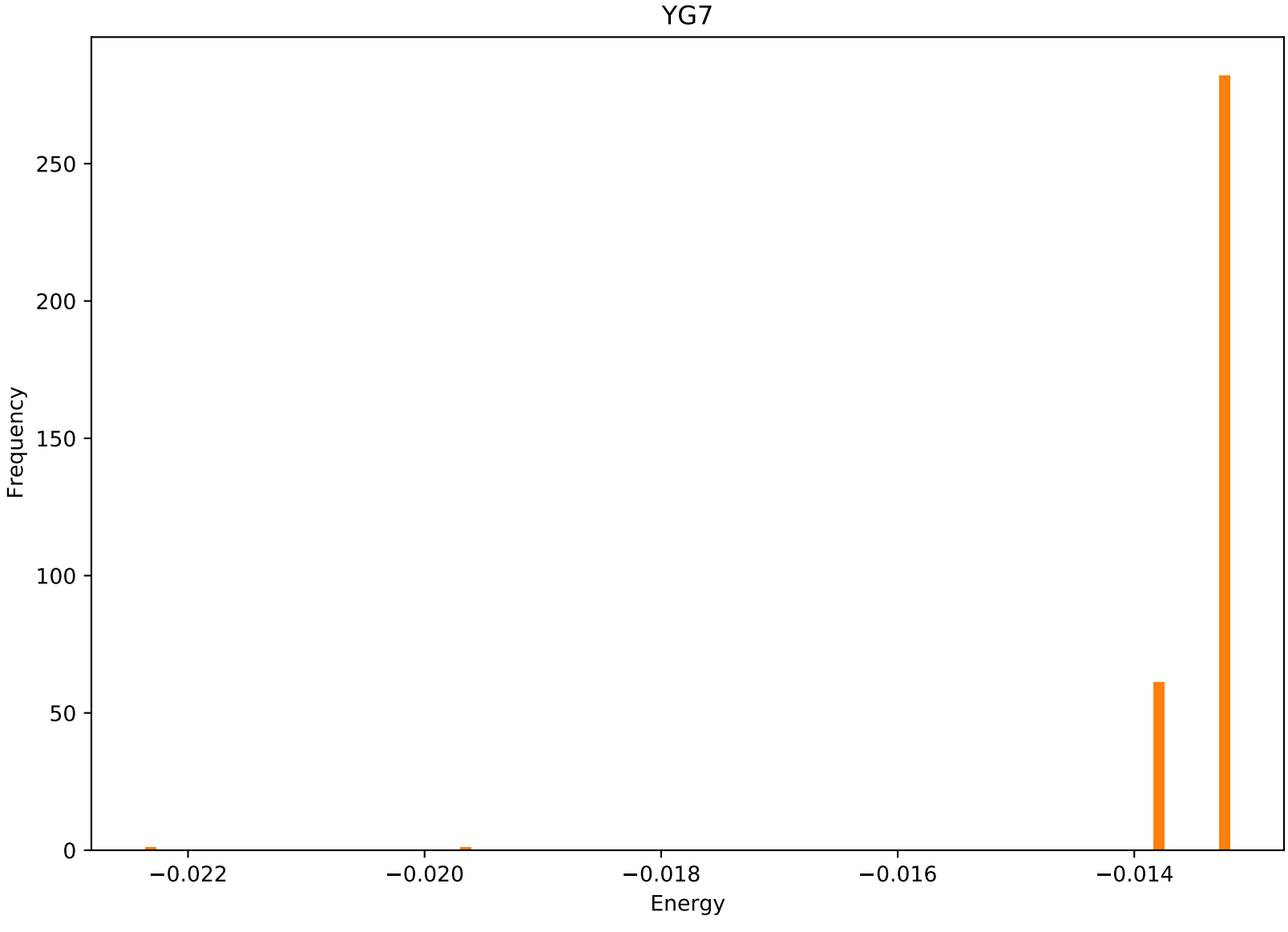

YG2
Frequency
350
300
250
200
150
100
50
0
−0.77
−0.76
−0.75
−0.74
−0.73
Energy

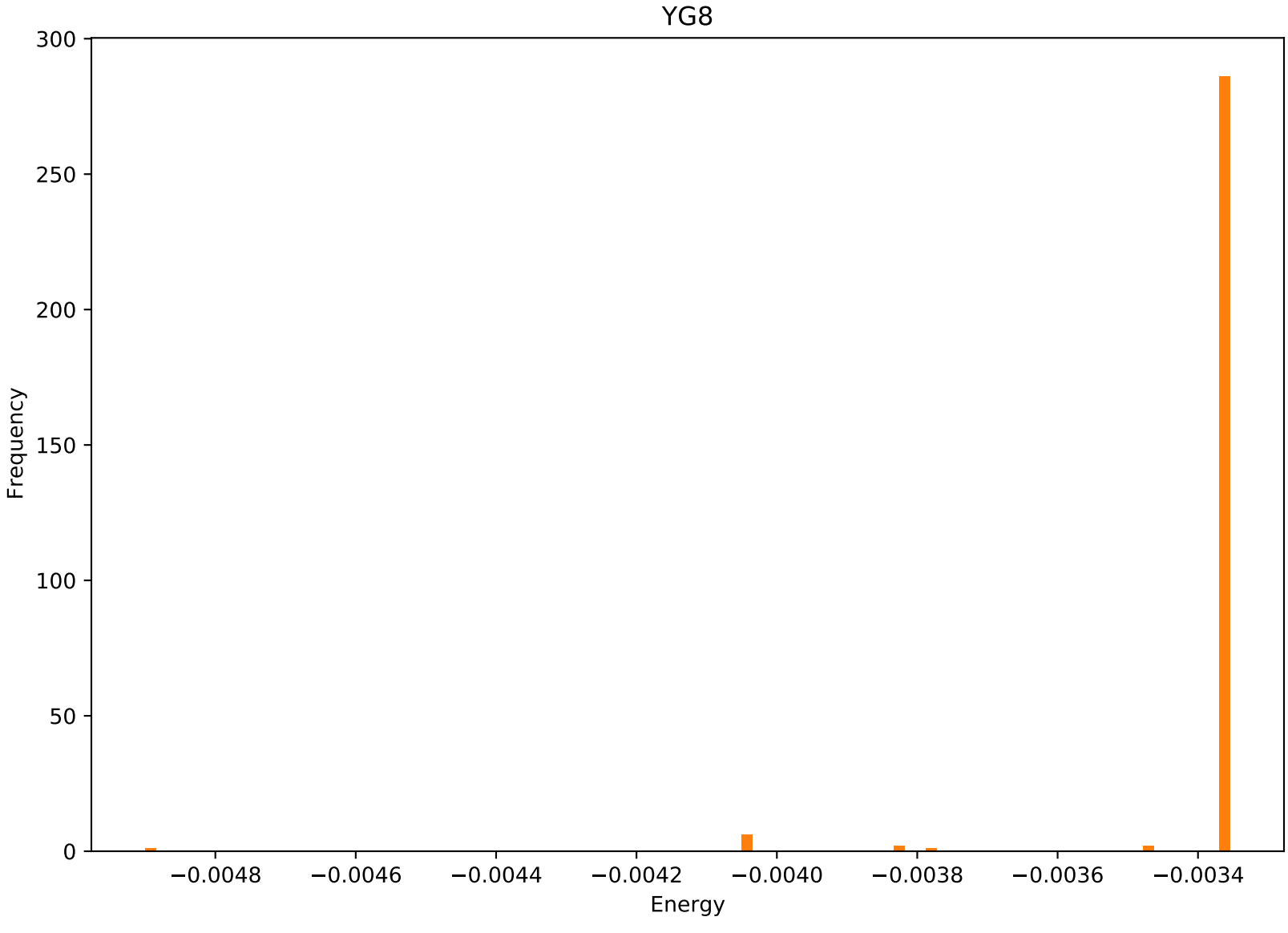

YG3
Frequency
300
250
200
150
100
50
0
−1.18
−1.16
−1.14
−1.12
−1.10
−1.08
Energy

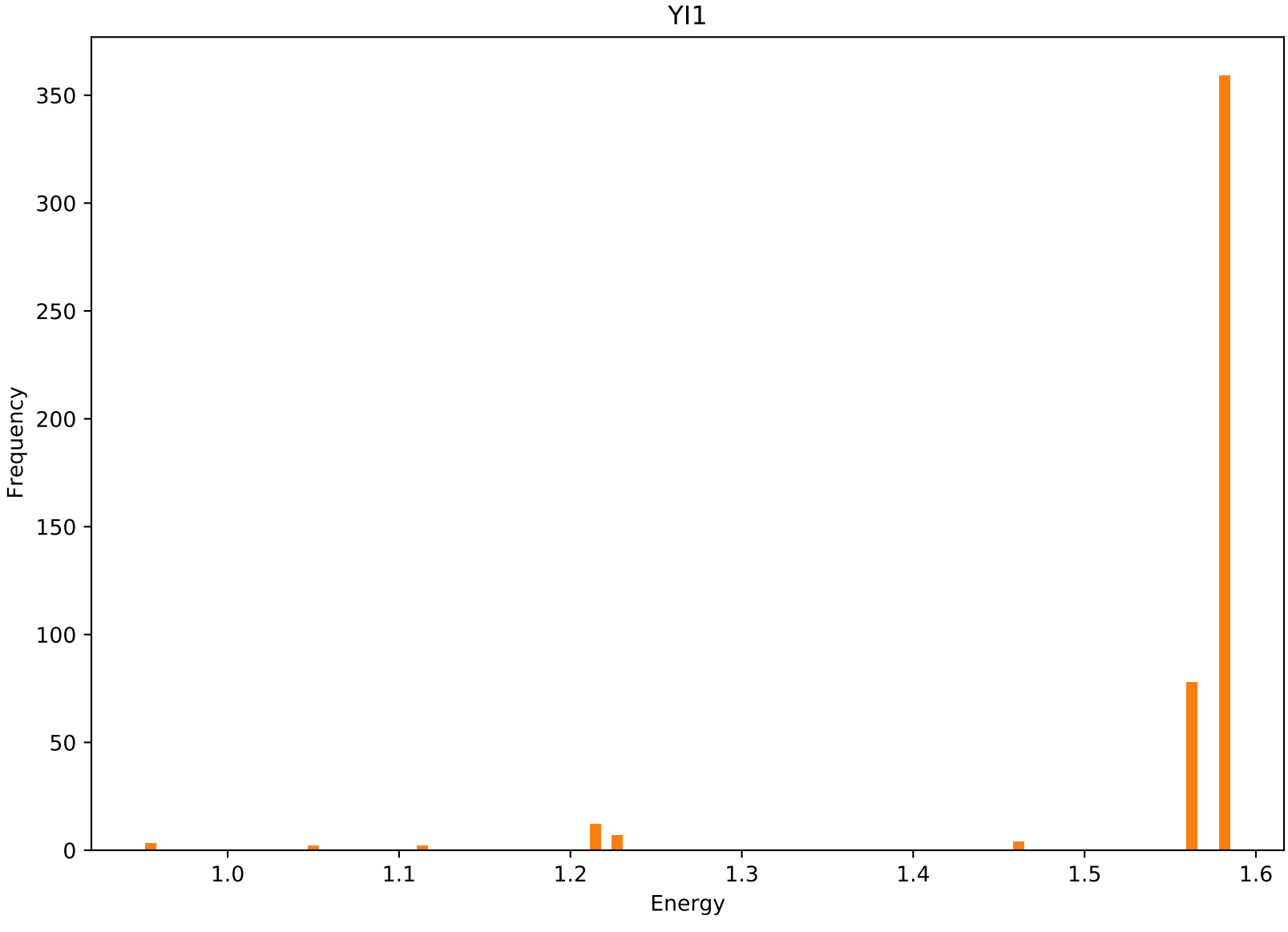

YG4
Frequency
Energy
0
50
100
150
200
250
300
−2.350
−2.325
−2.300
−2.275
−2.250
−2.225
−2.200
−2.175
−2.150

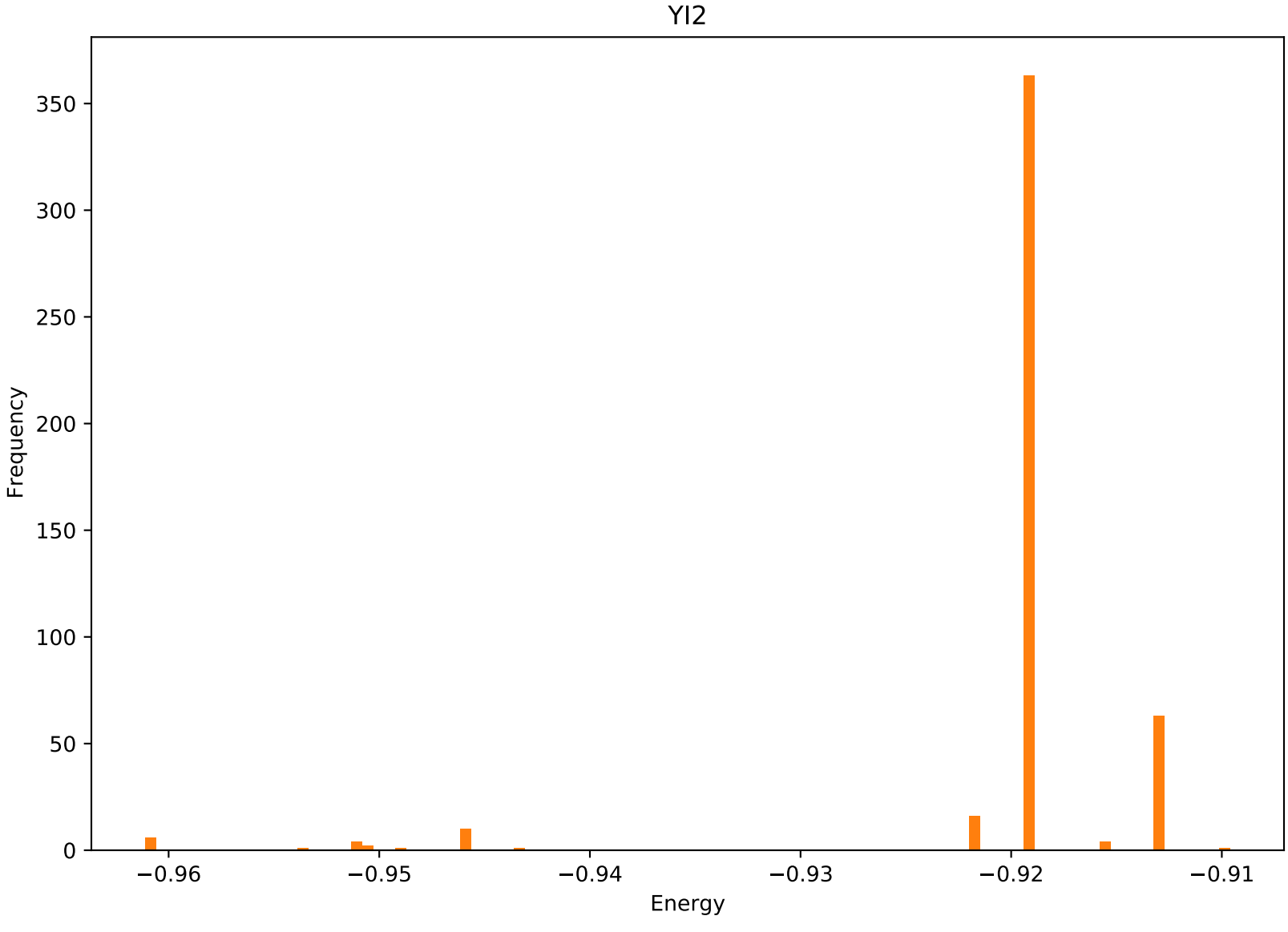

YG5
300
250
200
150
100
50
0
Frequency
−0.130
−0.125
−0.120
−0.115
−0.110
−0.105
Energy

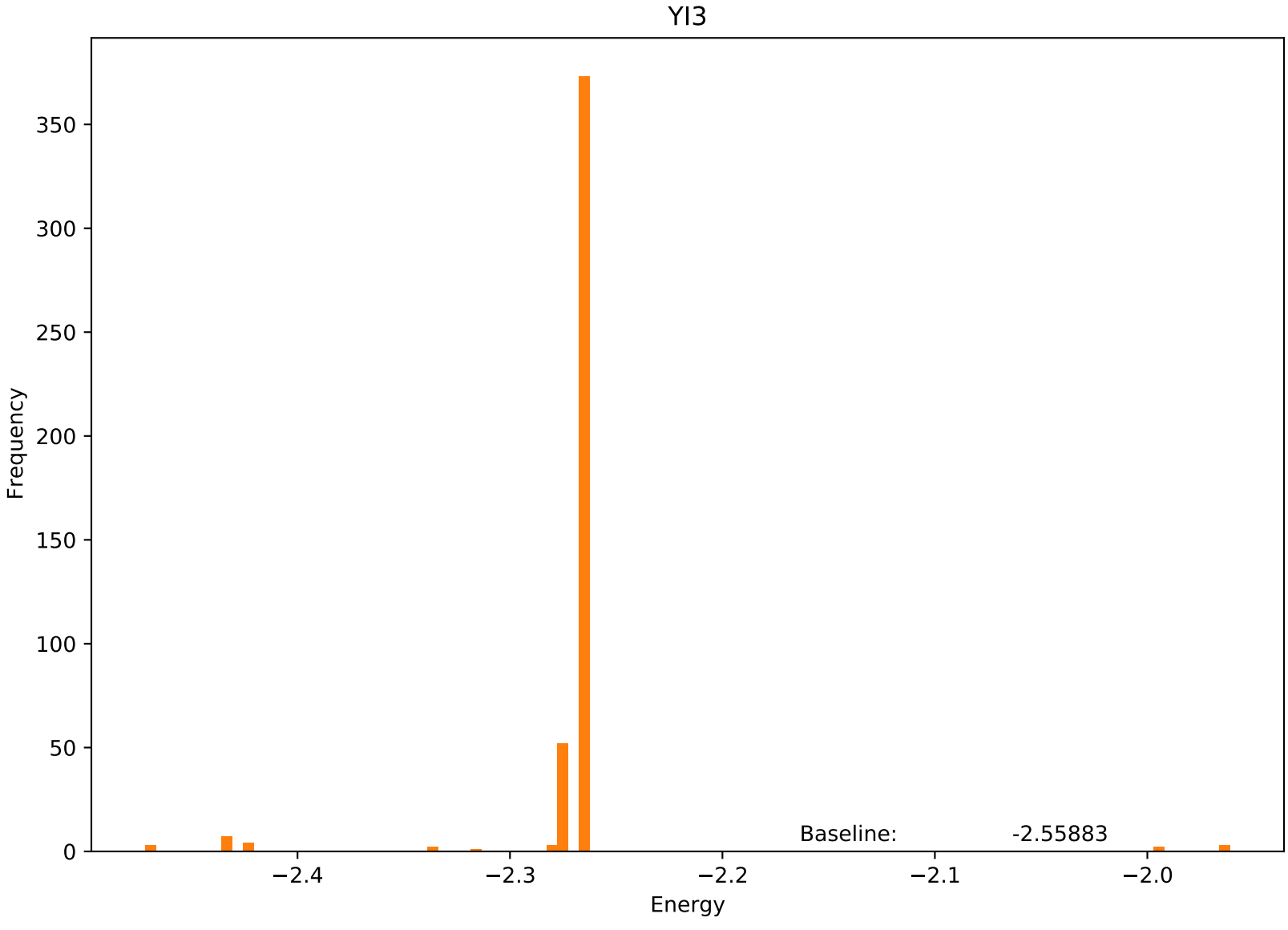

YG6
250
200
150
100
50
0
Frequency
−0.030
−0.029
−0.028
−0.027
−0.026
Energy

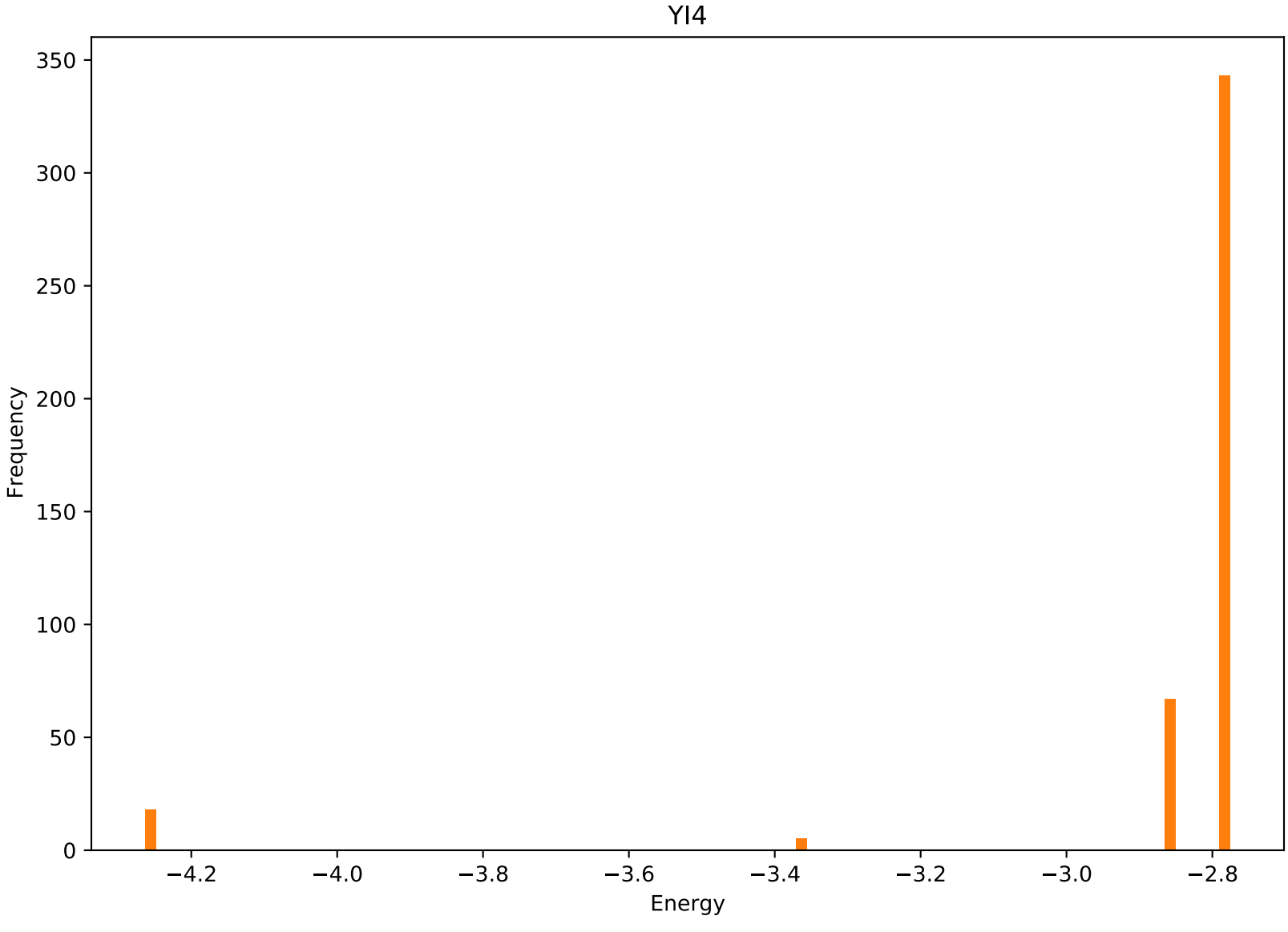

YG7
Frequency
250
200
150
100
50
0
−0.022
−0.020
−0.018
−0.016
−0.014
Energy

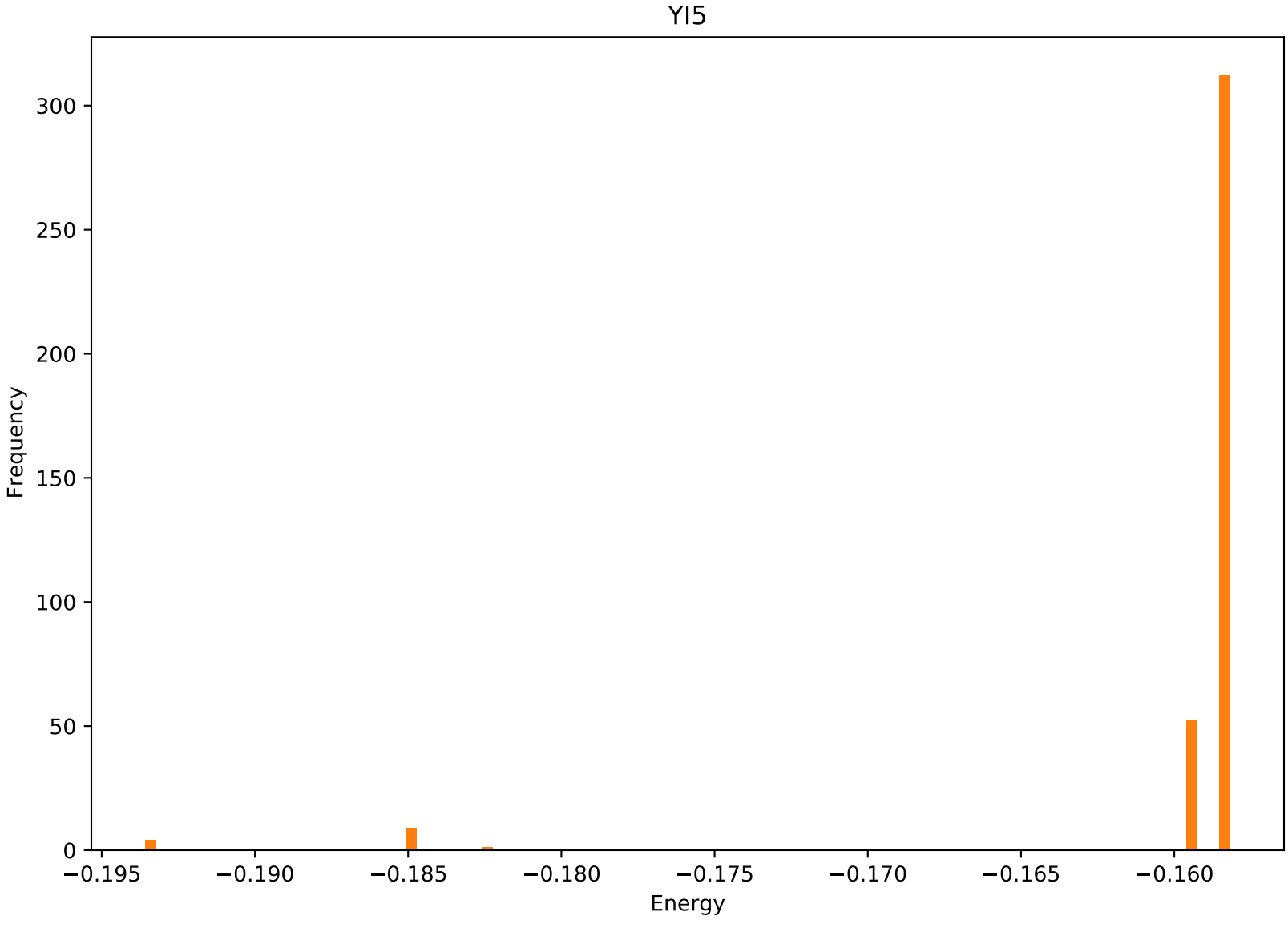

YG8
300
250
200
150
100
50
0
Frequency
−0.0048
−0.0046
−0.0044
−0.0042
−0.0040
−0.0038
−0.0036
−0.0034
Energy

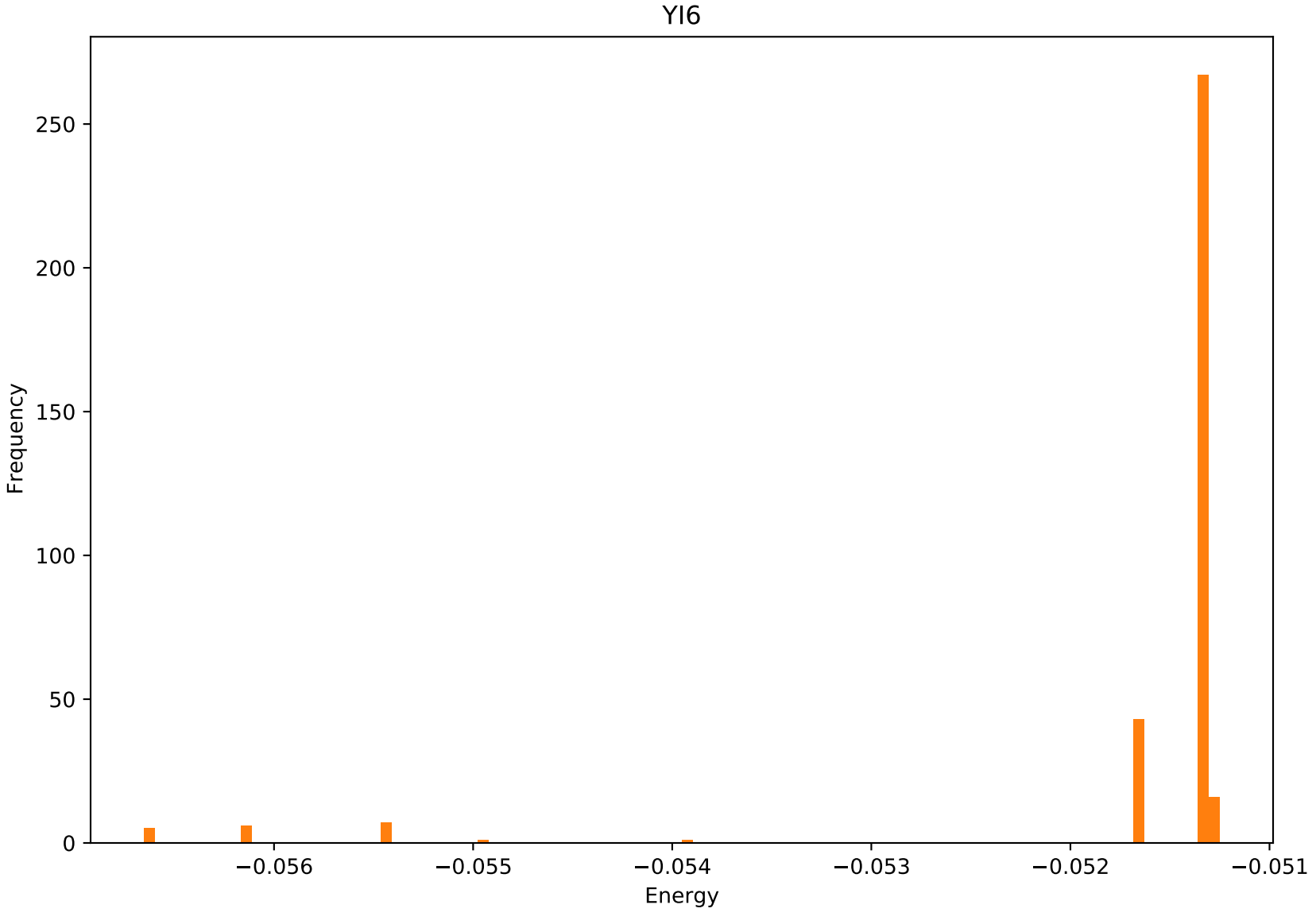

YI1
Frequency
0
50
100
150
200
250
300
350
1.0
1.1
1.2
1.3
1.4
1.5
1.6
Energy

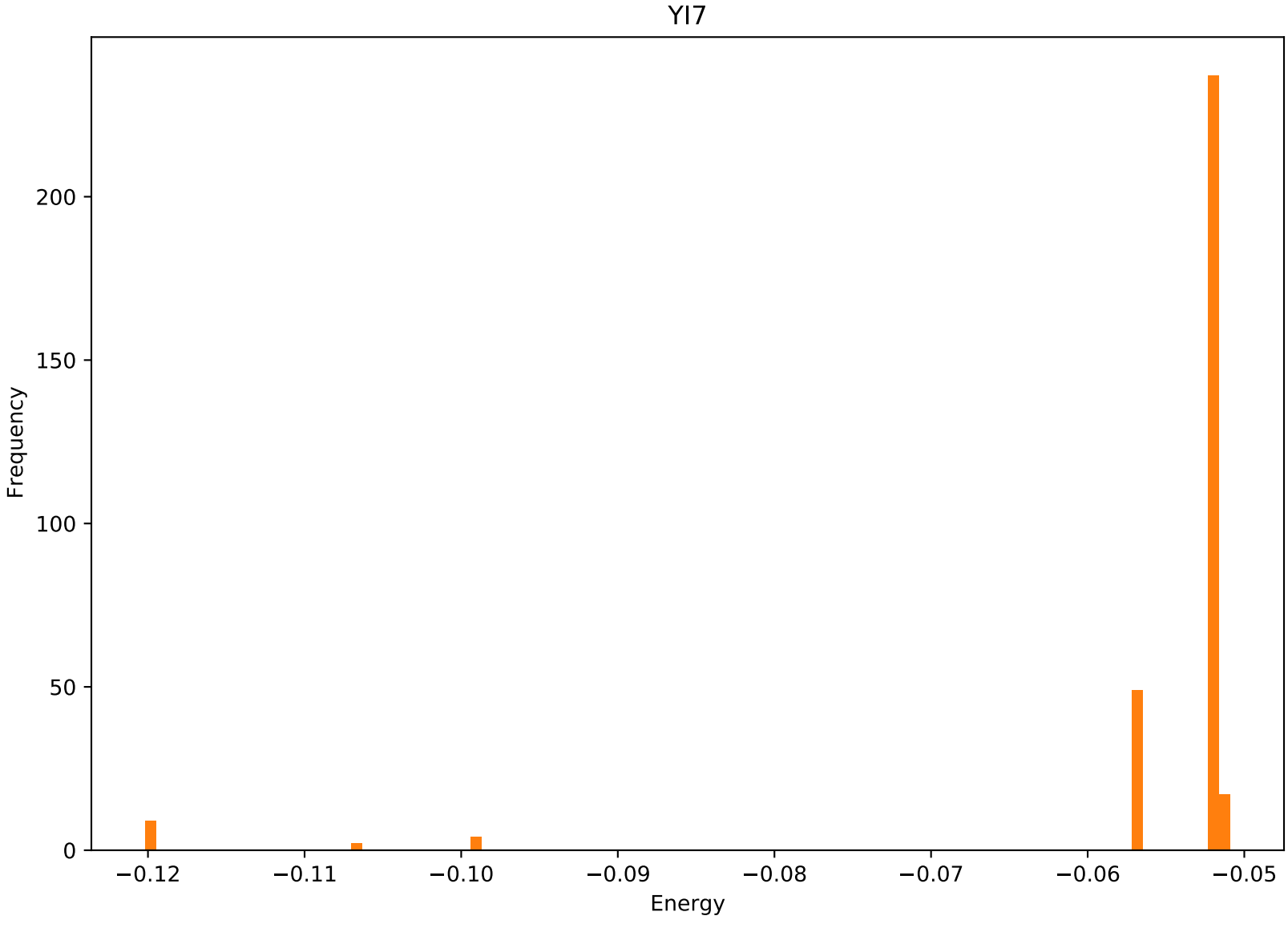

YI2
Frequency
350
300
250
200
150
100
50
0
−0.96
−0.95
−0.94
−0.93
−0.92
−0.91
Energy

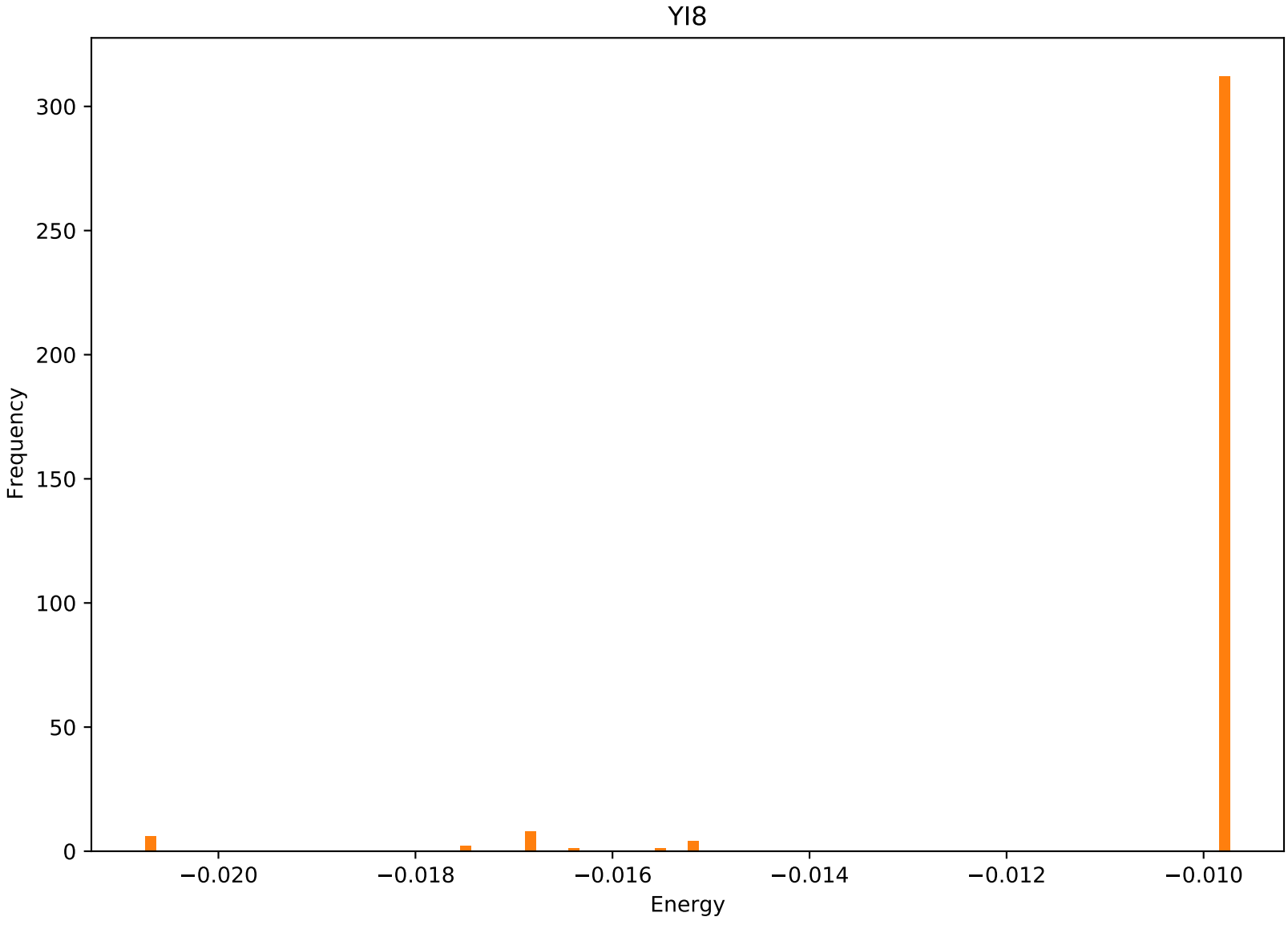

YI3
Frequency
350
300
250
200
150
100
50
0
−2.4
−2.3
−2.2
−2.1
−2.0
Energy
Baseline:
-2.55883

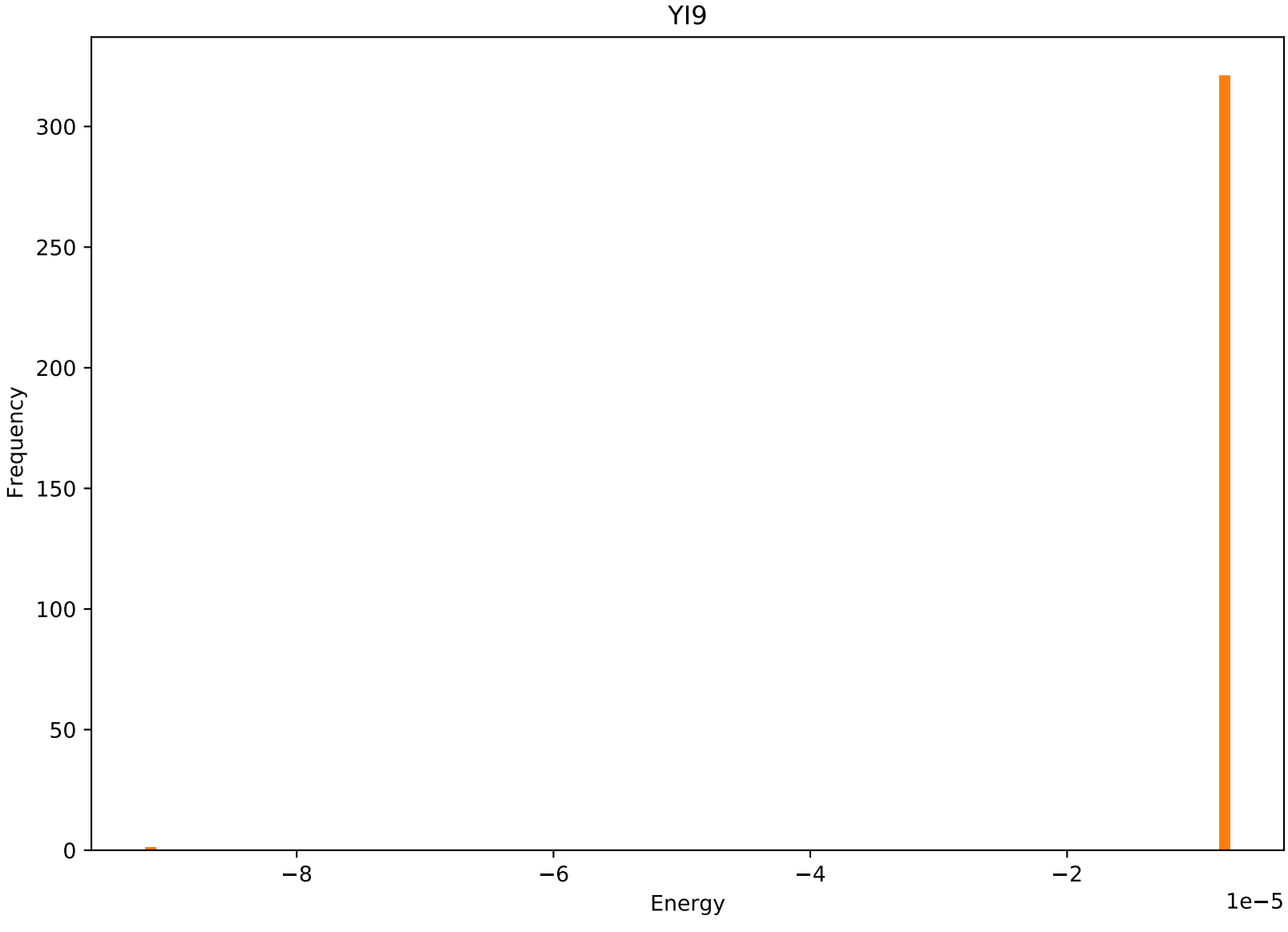

YI4
Frequency
Energy
350
300
250
200
150
100
50
0
−4.2
−4.0
−3.8
−3.6
−3.4
−3.2
−3.0
−2.8

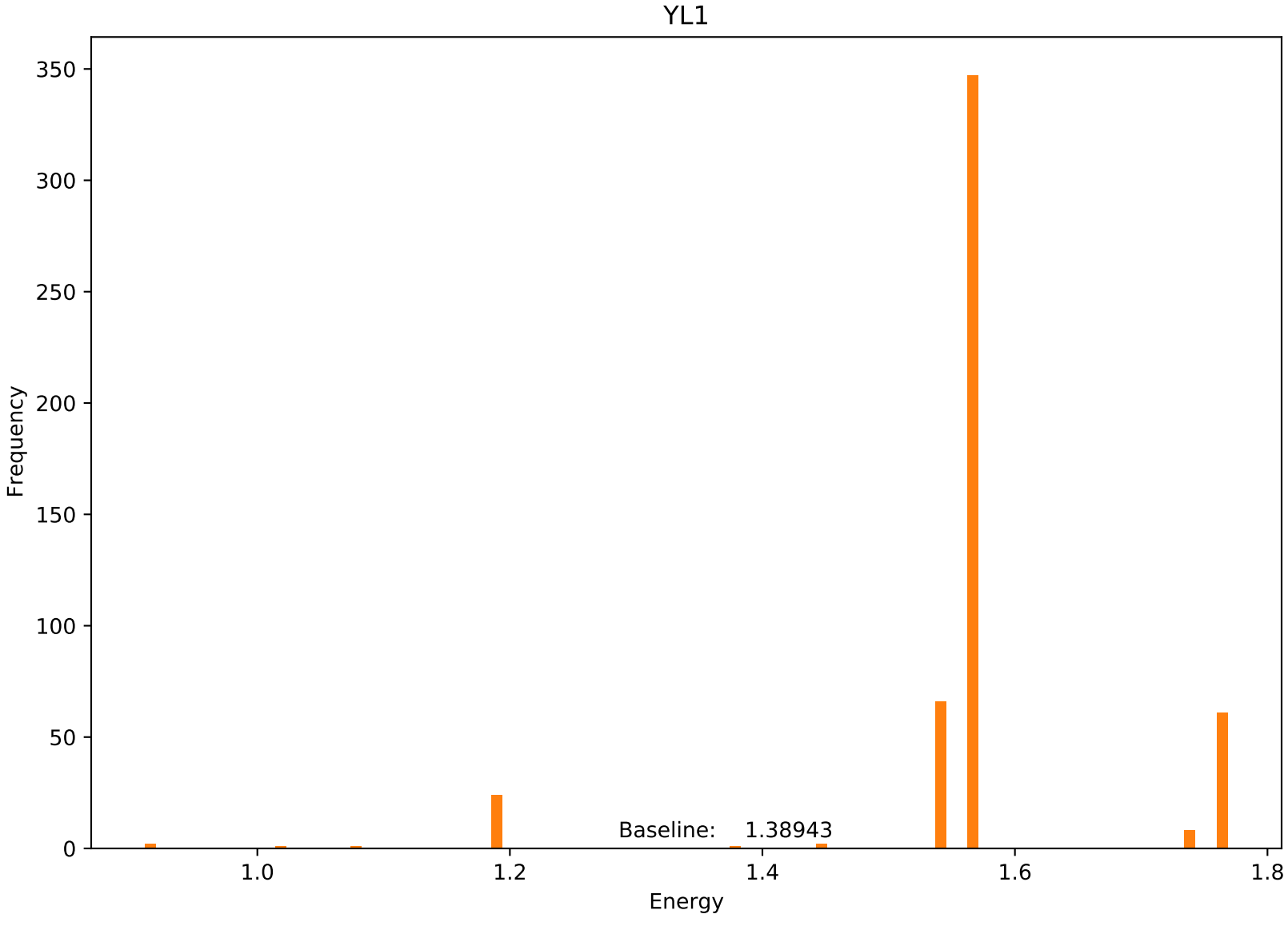

YI5
Frequency
300
250
200
150
100
50
0
−0.195
−0.190
−0.185
−0.180
−0.175
−0.170
−0.165
−0.160
Energy

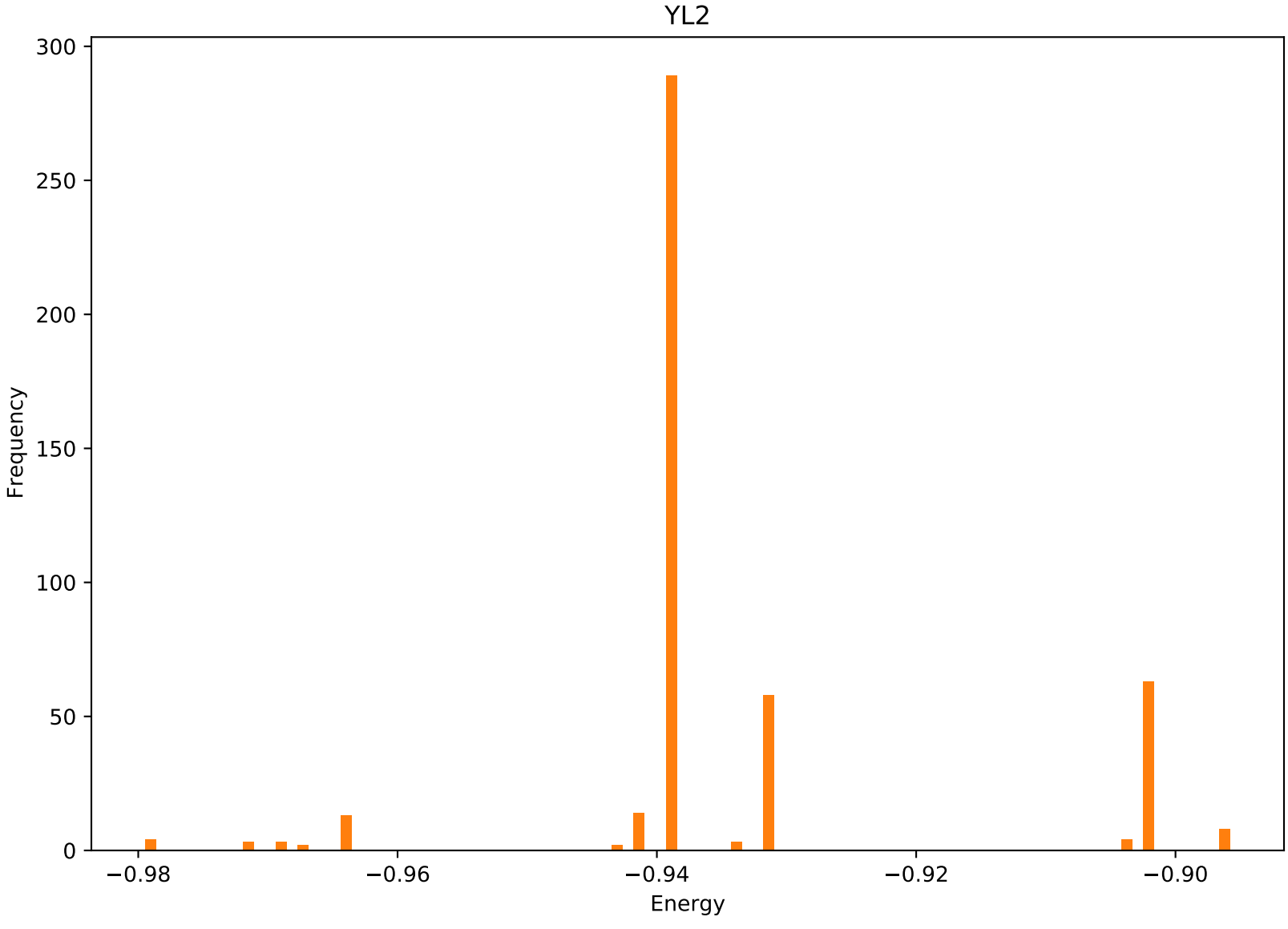

YI6
Frequency
250
200
150
100
50
0
−0.056
−0.055
−0.054
−0.053
−0.052
−0.051
Energy

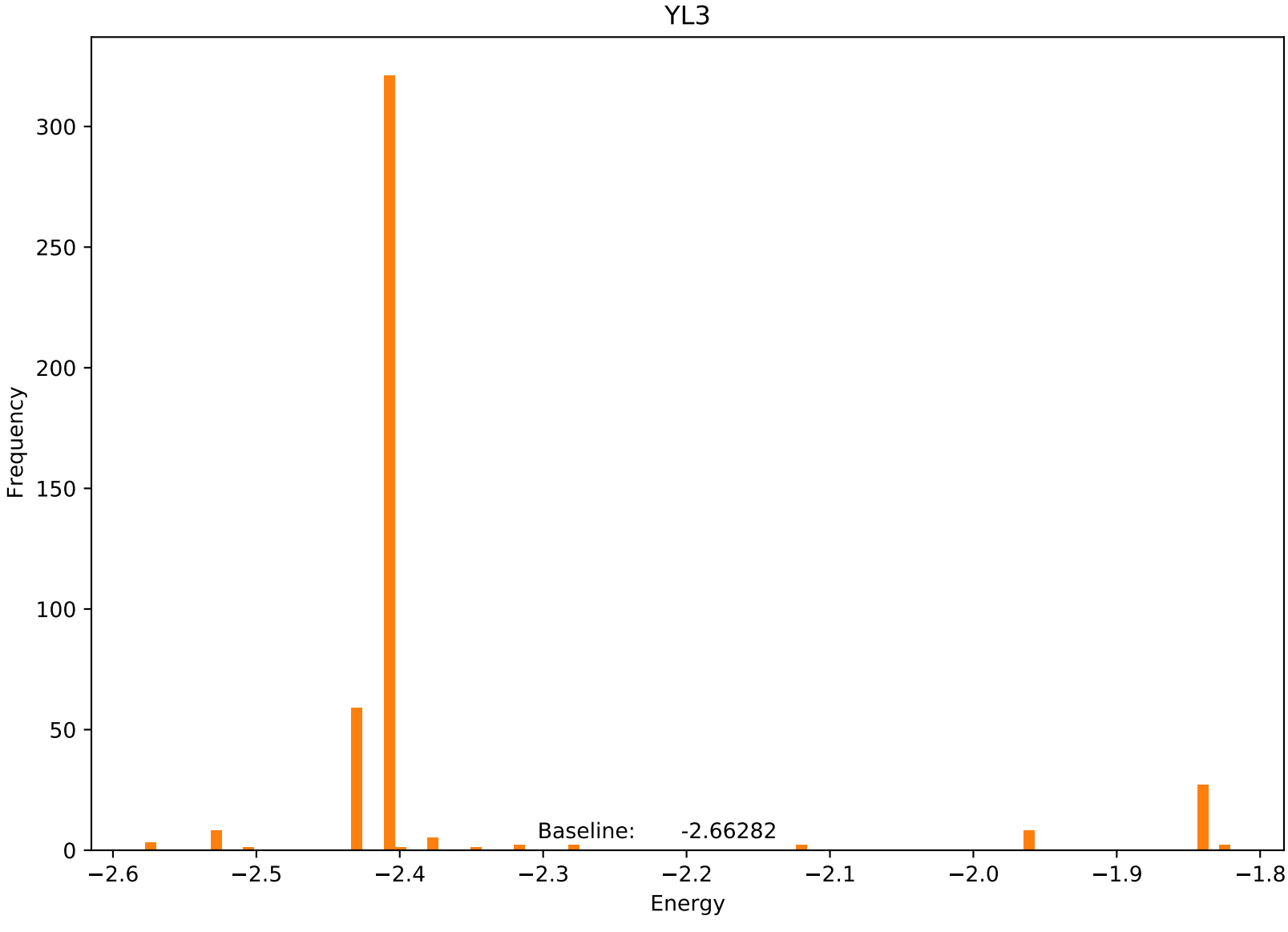

YI7
Frequency
200
150
100
50
0
−0.12
−0.11
−0.10
−0.09
−0.08
−0.07
−0.06
−0.05
Energy

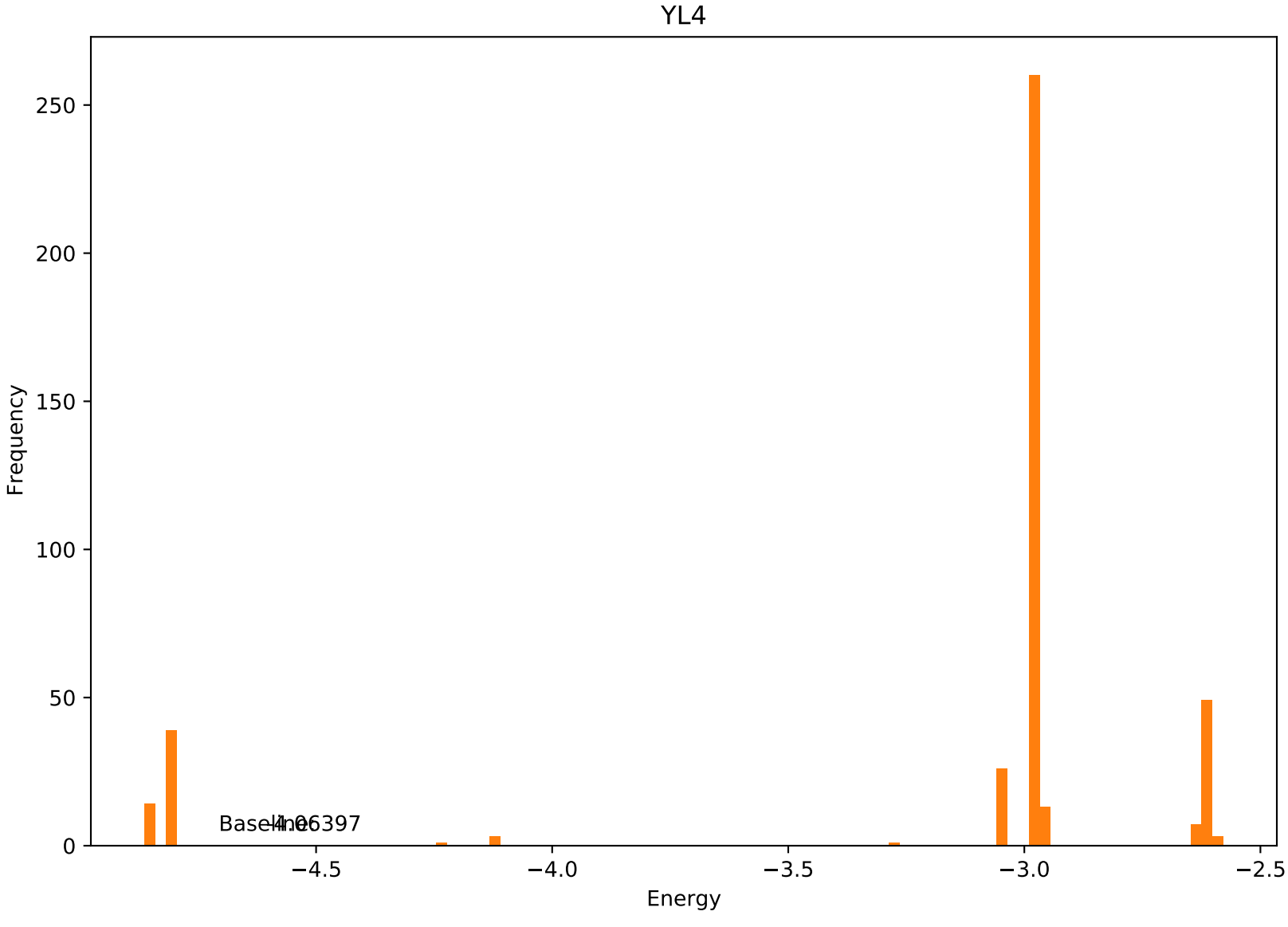

YI8
Frequency
300
250
200
150
100
50
0
−0.020
−0.018
−0.016
−0.014
−0.012
−0.010
Energy

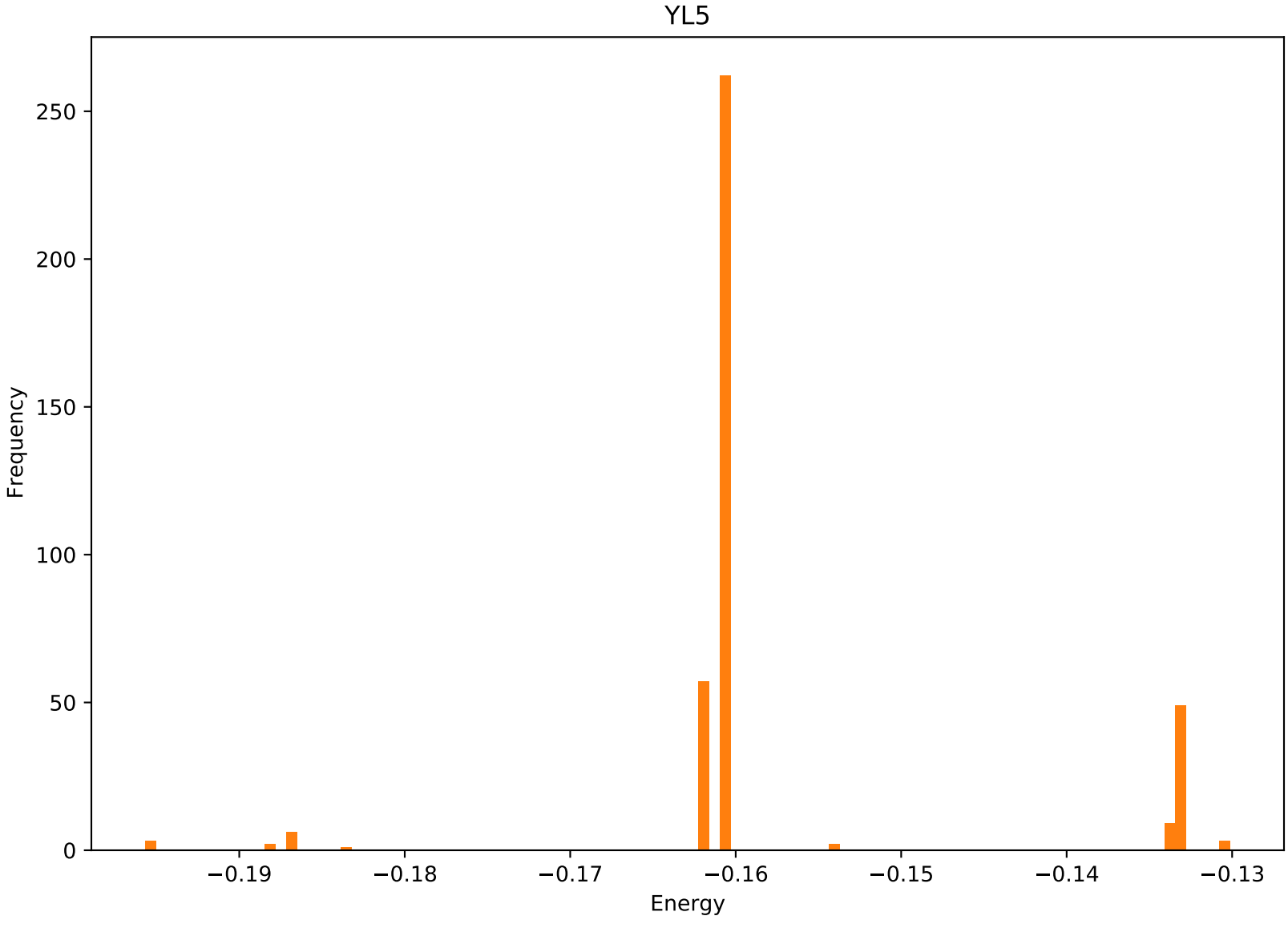

YI9
Frequency
300
250
200
150
100
50
0
−8
−6
−4
−2
Energy
1e−5

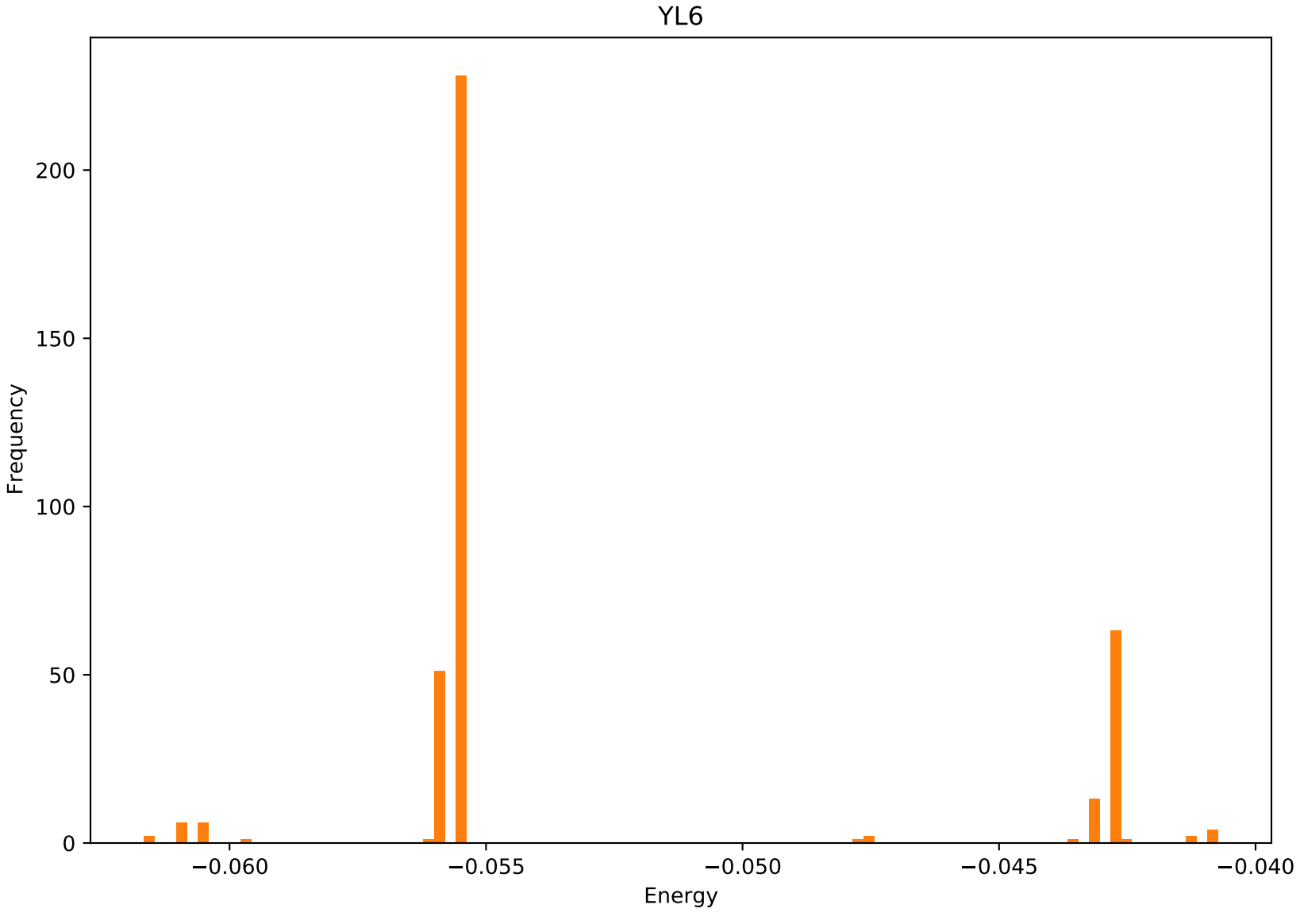

YL1
Frequency
Energy
Baseline: 1.38943
0
50
100
150
200
250
300
350
1.0
1.2
1.4
1.6
1.8

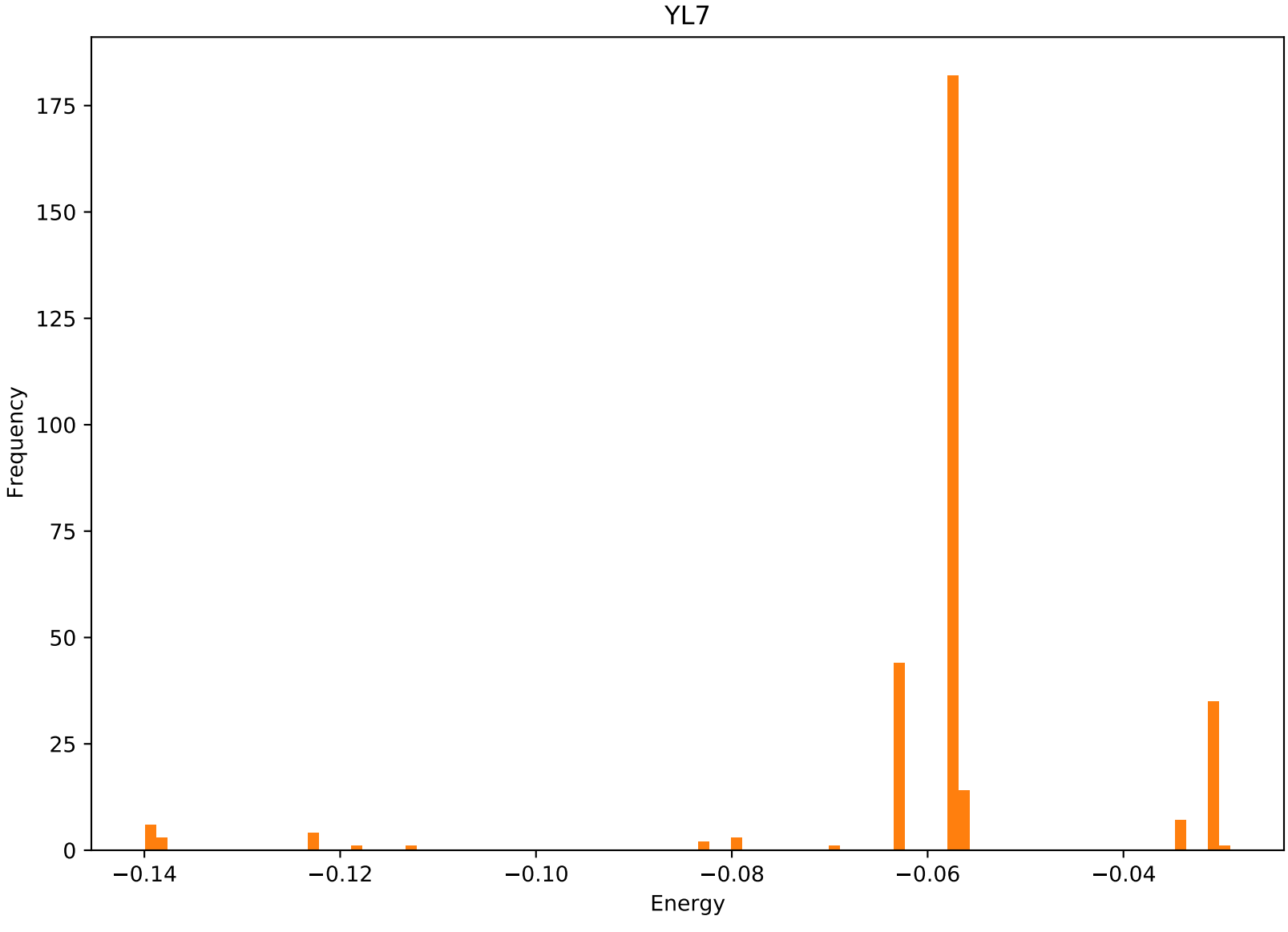

YL2
300
250
200
150
100
50
0
Frequency
−0.98
−0.96
−0.94
−0.92
−0.90
Energy

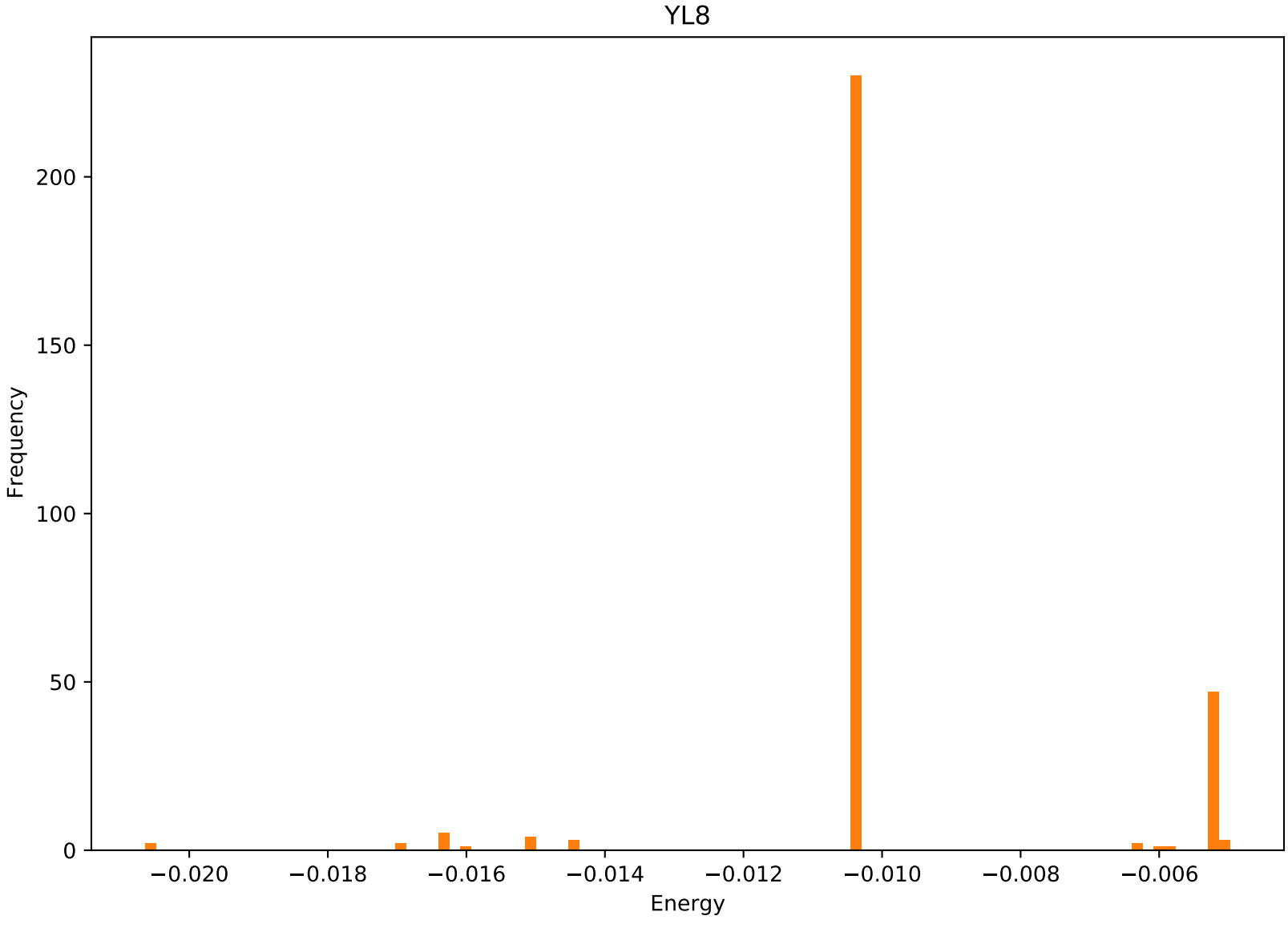

YL3
Frequency
300
250
200
150
100
50
0
Baseline: -2.66282
−2.6
−2.5
−2.4
−2.3
−2.2
−2.1
−2.0
−1.9
−1.8
Energy

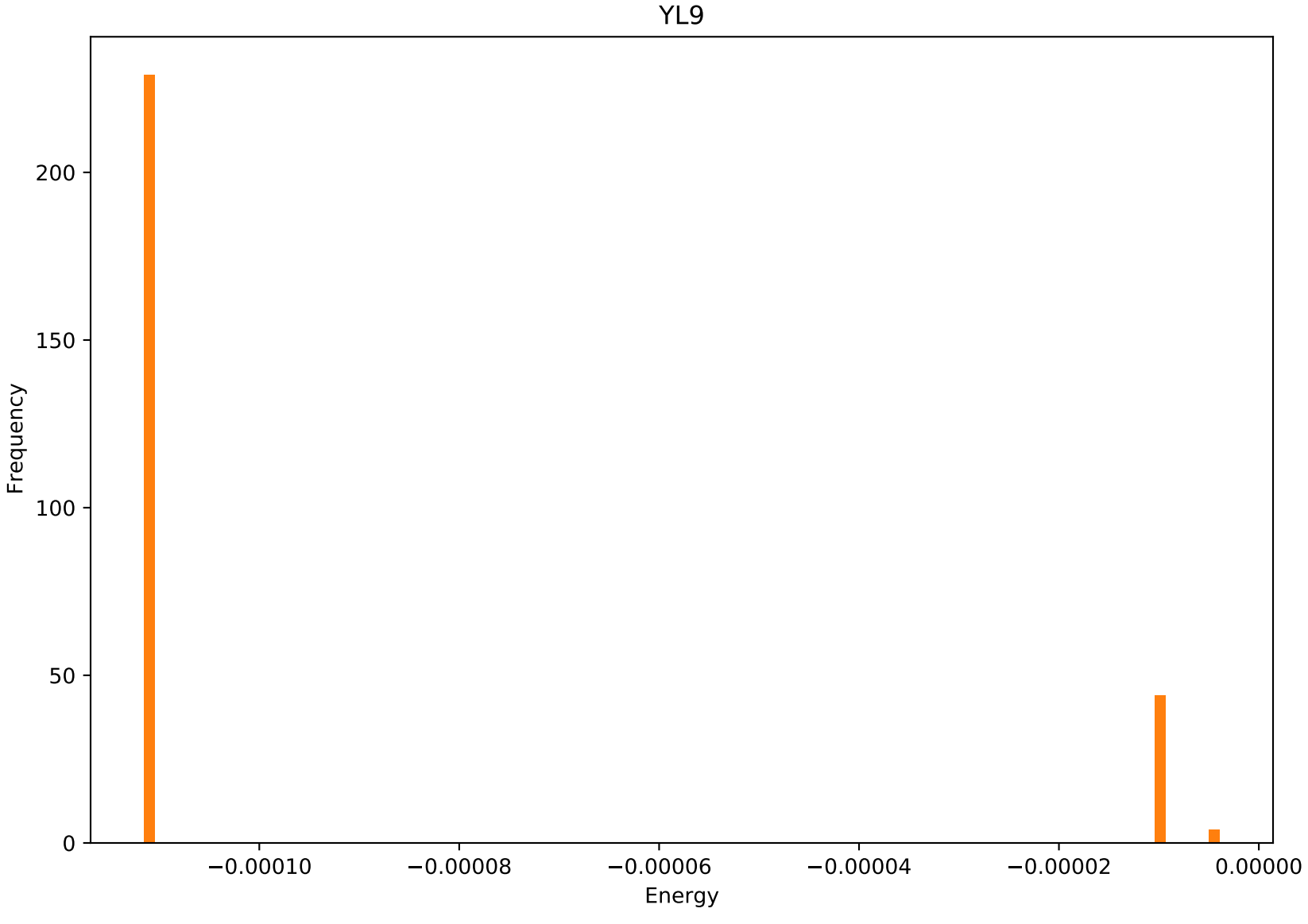

YL4
Frequency
250
200
150
100
50
0
−4.5
−4.0
−3.5
−3.0
−2.5
Energy
Baseline: 6397

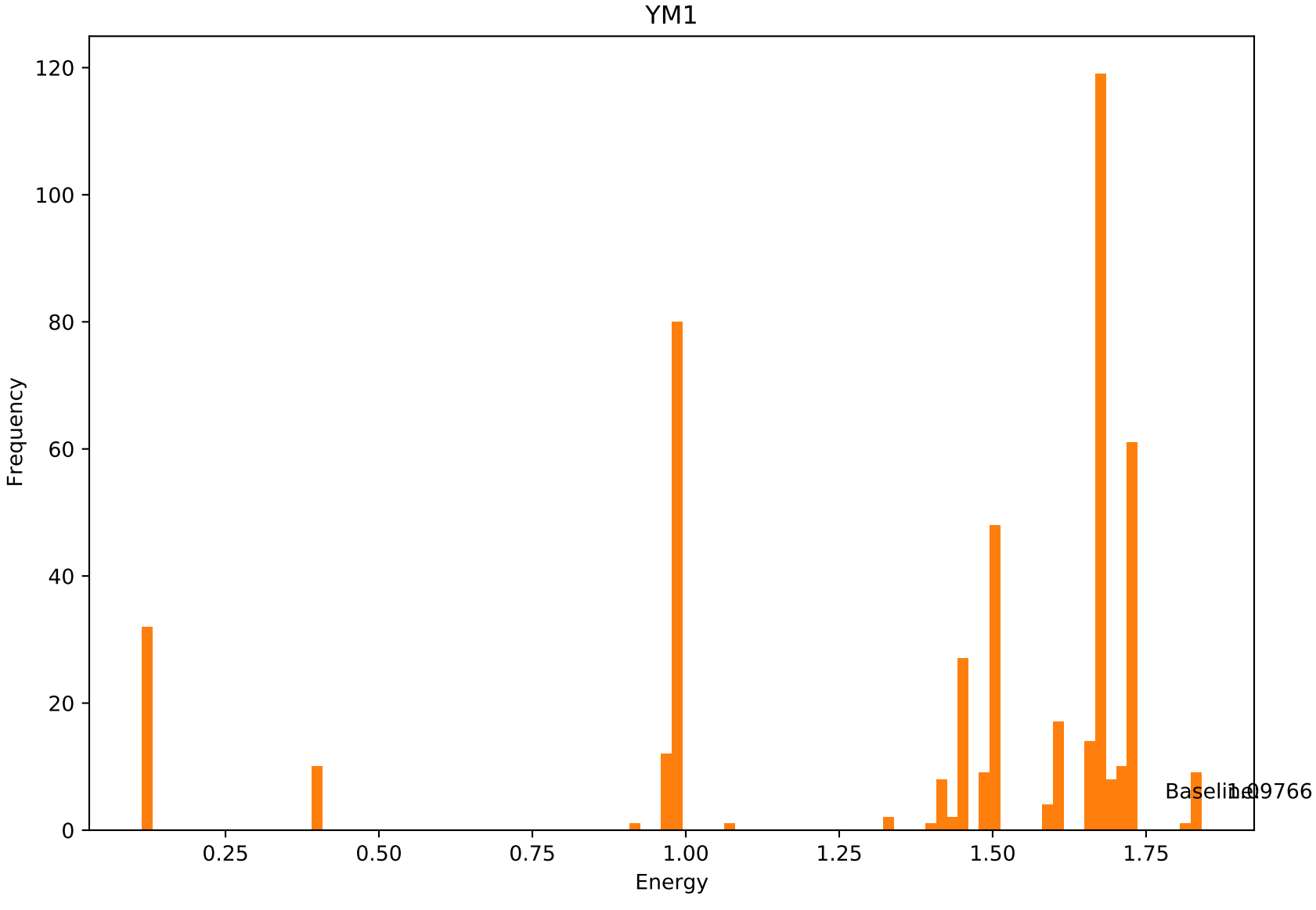

YL5
Frequency
250
200
150
100
50
0
−0.19
−0.18
−0.17
−0.16
−0.15
−0.14
−0.13
Energy

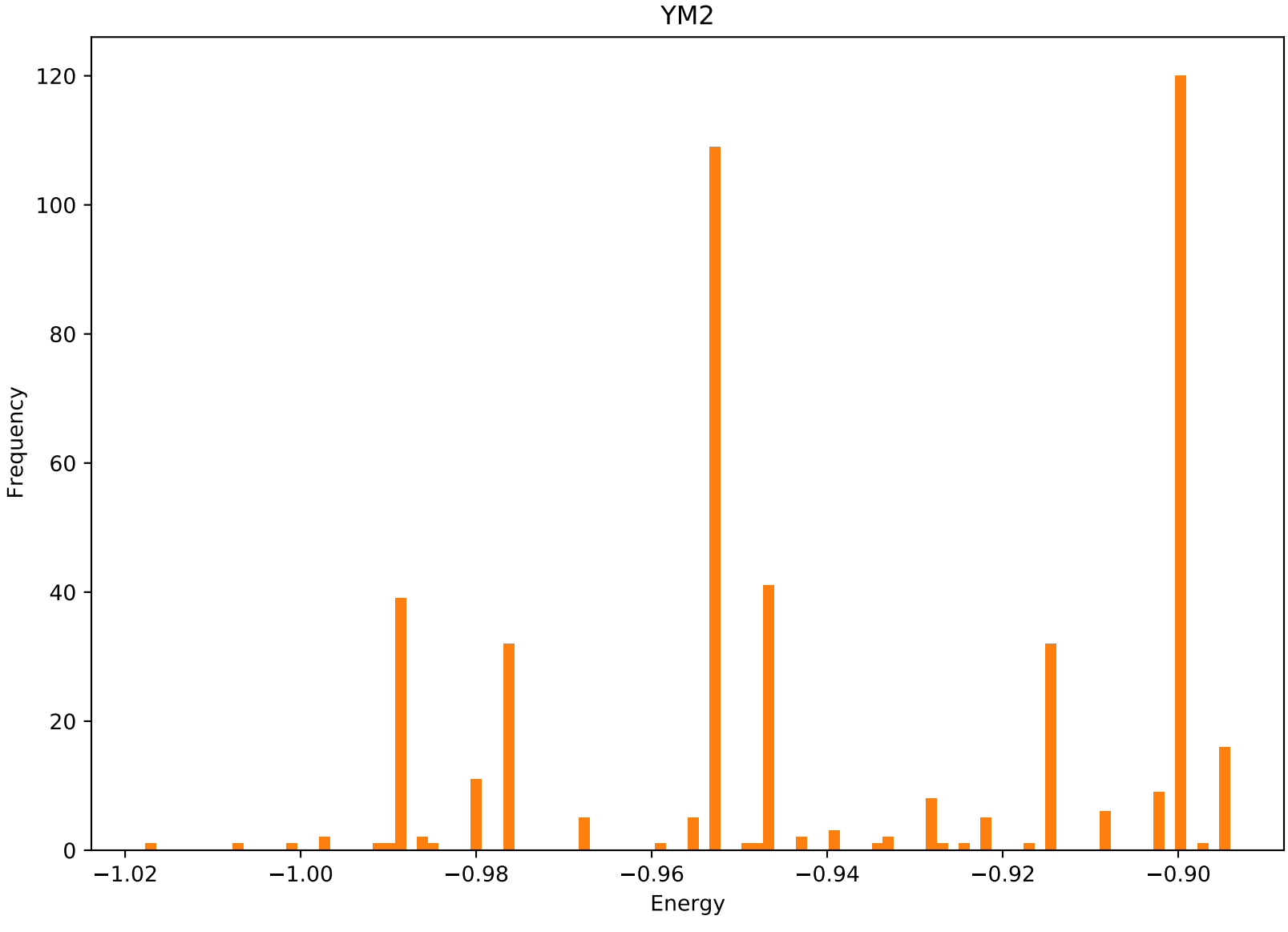

YL6
Frequency
200
150
100
50
0
−0.060
−0.055
−0.050
−0.045
−0.040
Energy

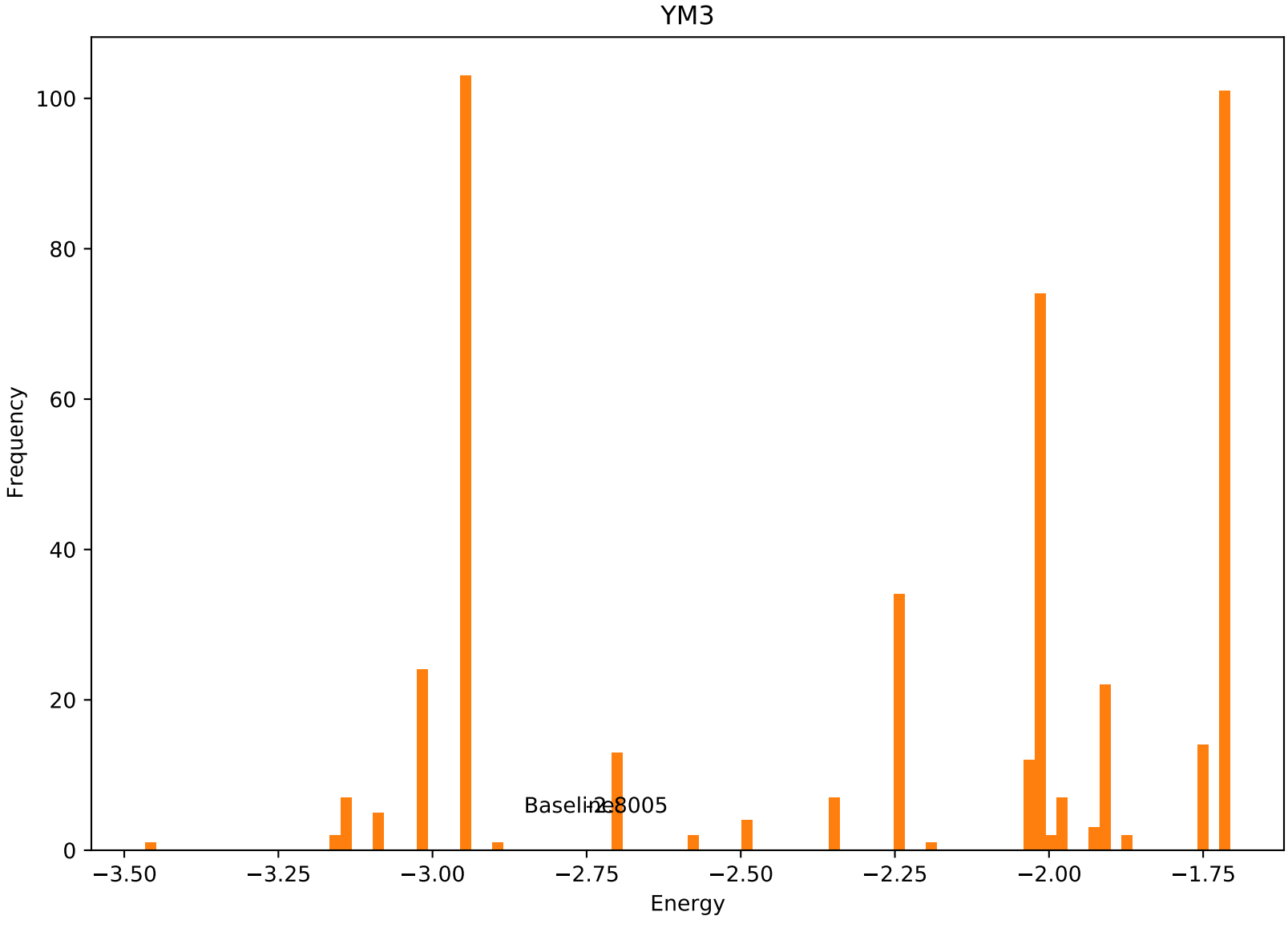

YL7
Frequency
175
150
125
100
75
50
25
0
−0.14
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

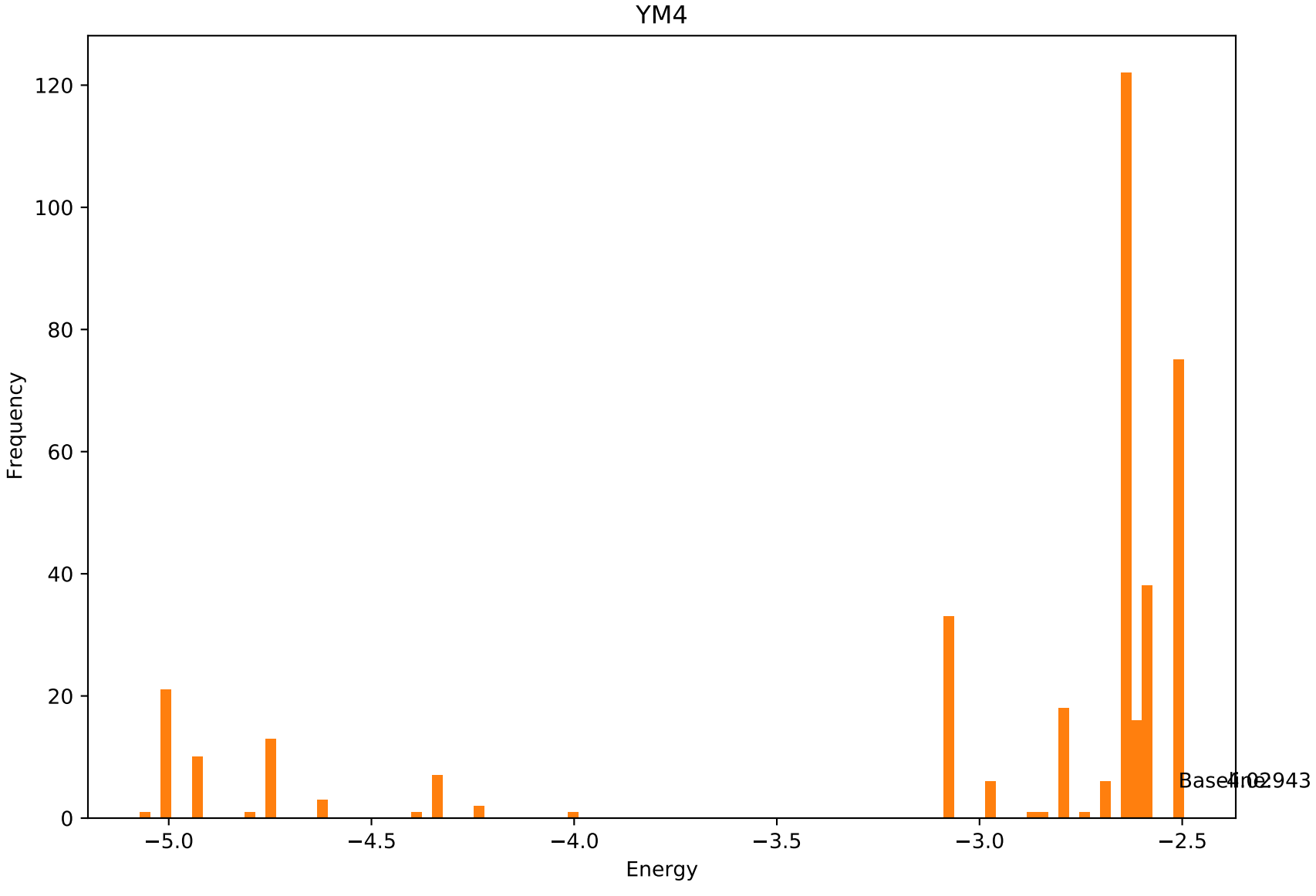

YL8
Frequency
200
150
100
50
0
−0.020
−0.018
−0.016
−0.014
−0.012
−0.010
−0.008
−0.006
Energy

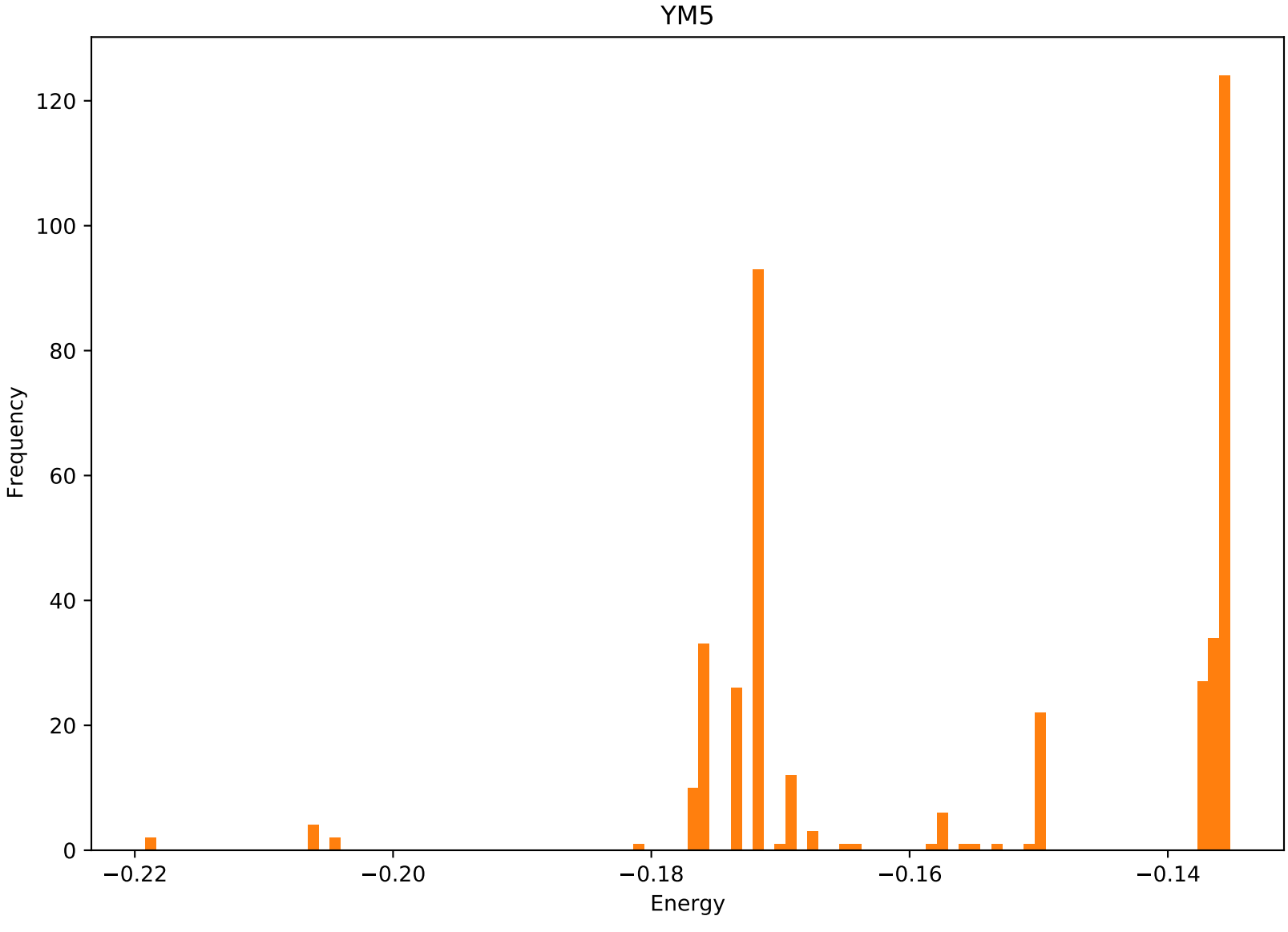

YL9
Frequency
200
150
100
50
0
−0.00010
−0.00008
−0.00006
−0.00004
−0.00002
0.00000
Energy

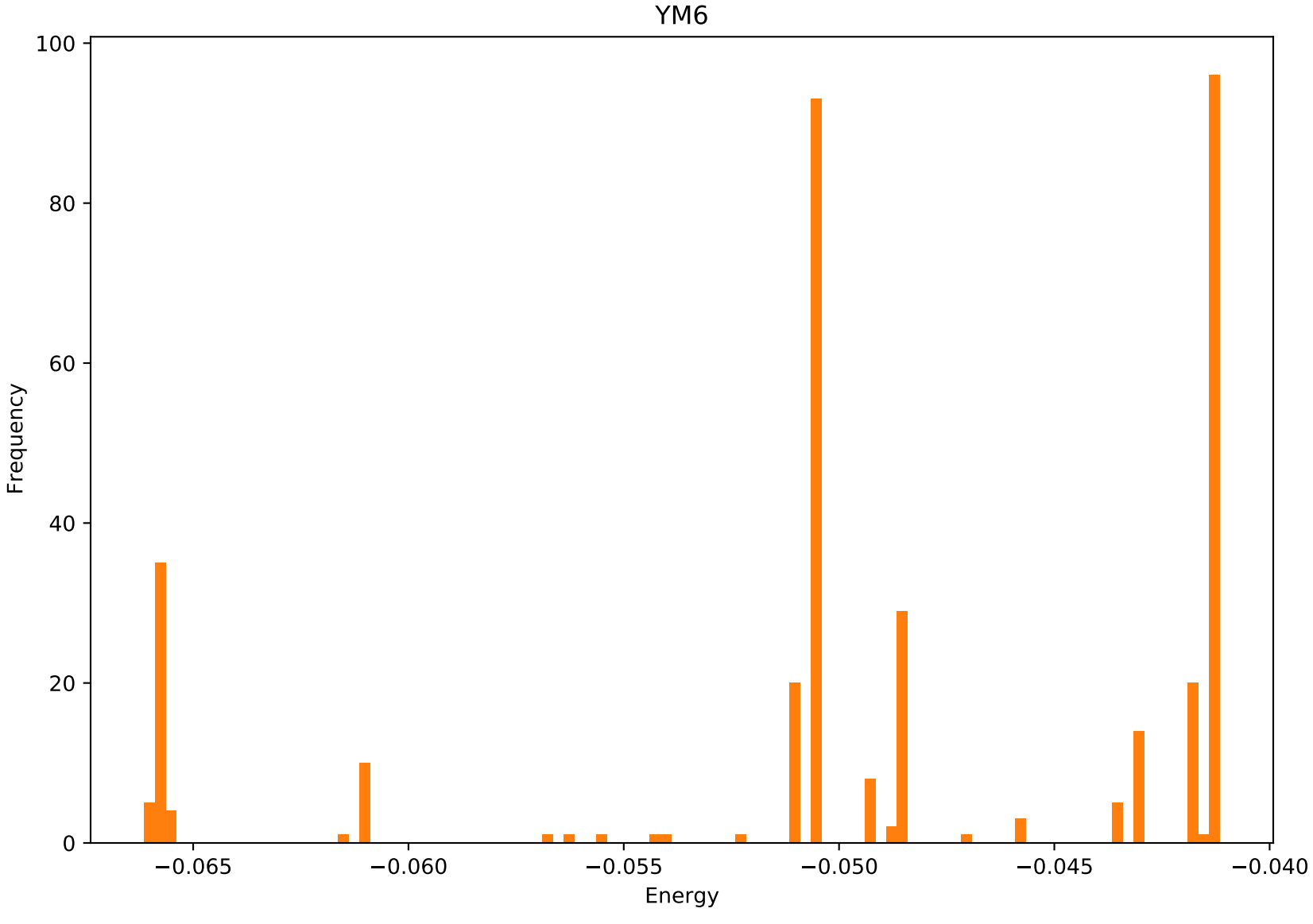

YM1
Frequency
Energy
0
20
40
60
80
100
120
0.25
0.50
0.75
1.00
1.25
1.50
1.75
Baseline 0.09766

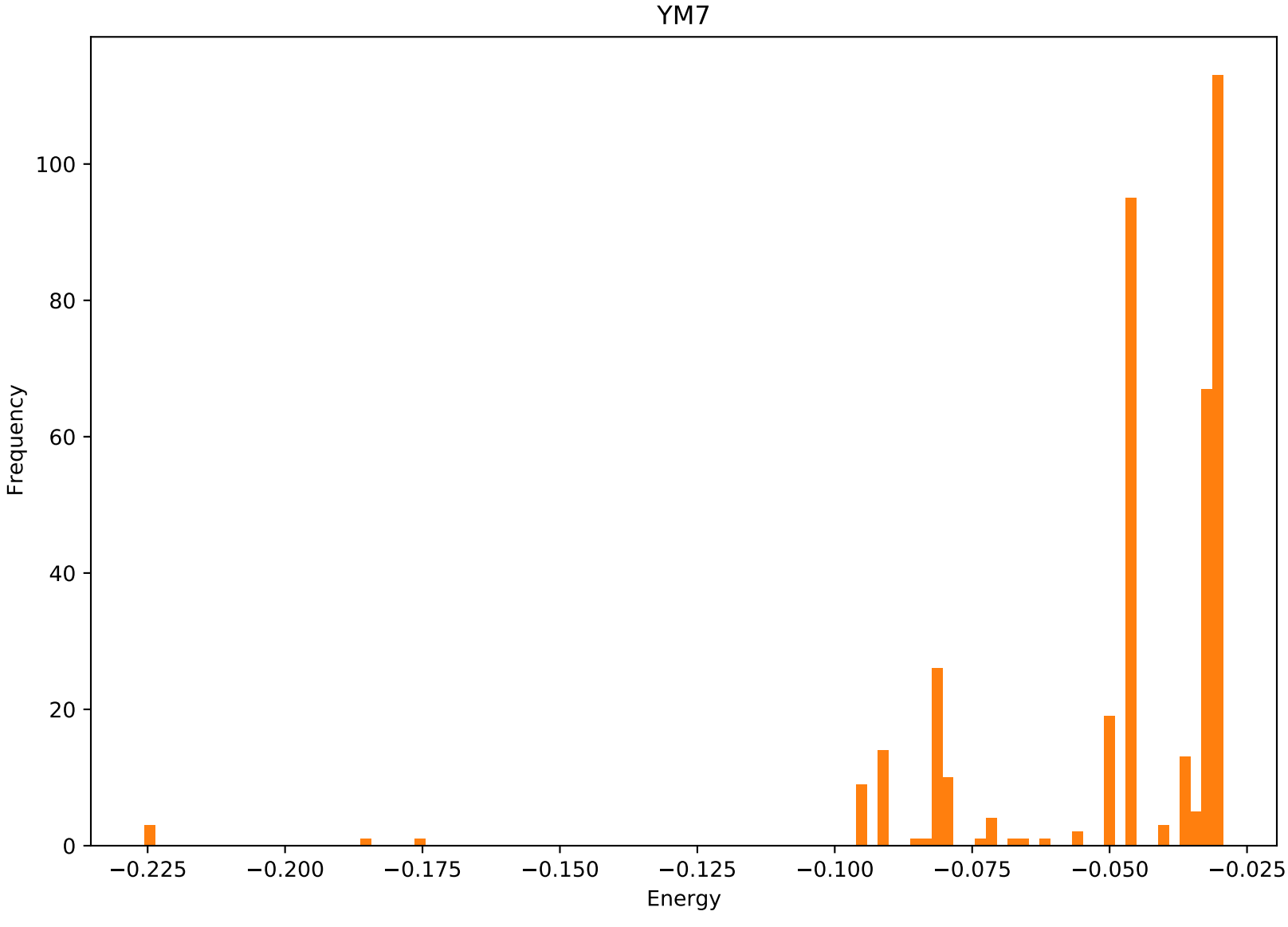

YM2
Frequency
Energy
0
20
40
60
80
100
120
−1.02
−1.00
−0.98
−0.96
−0.94
−0.92
−0.90

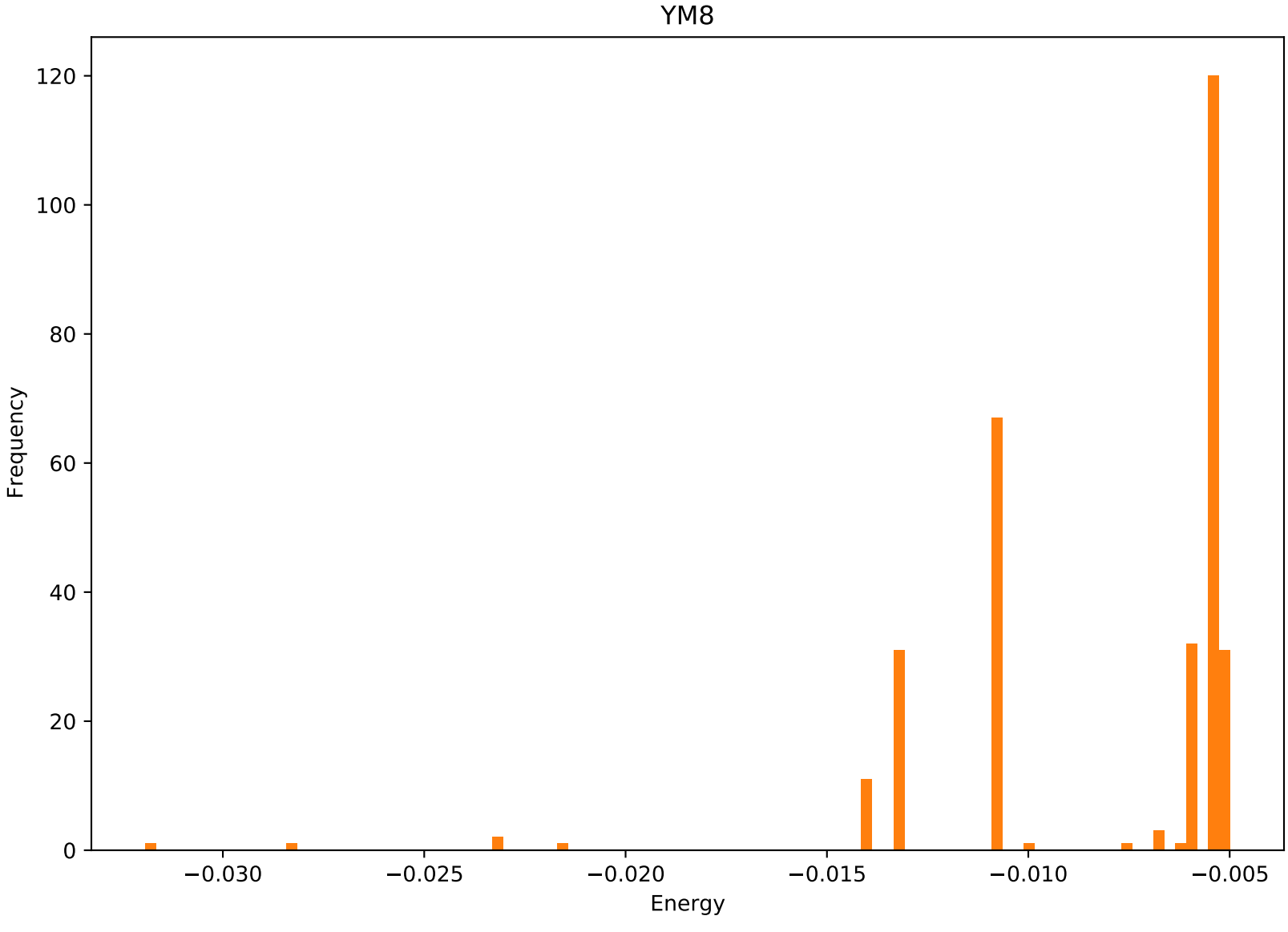

YM3
Frequency
Energy
Baseline: -2.8005
0
20
40
60
80
100
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
−1.75

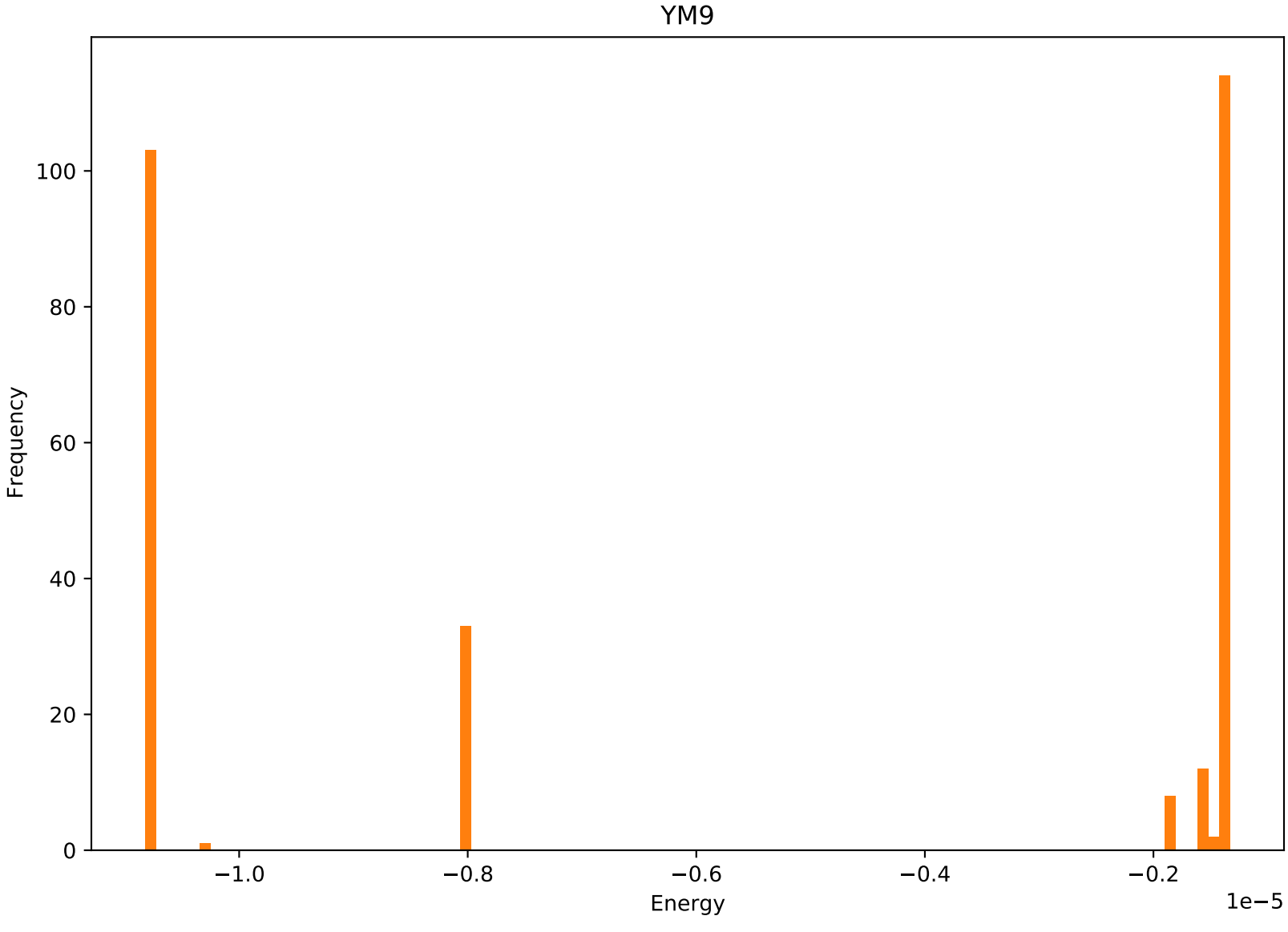

YM4
Frequency
Energy
120
100
80
60
40
20
0
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5
Baseline -2.2943

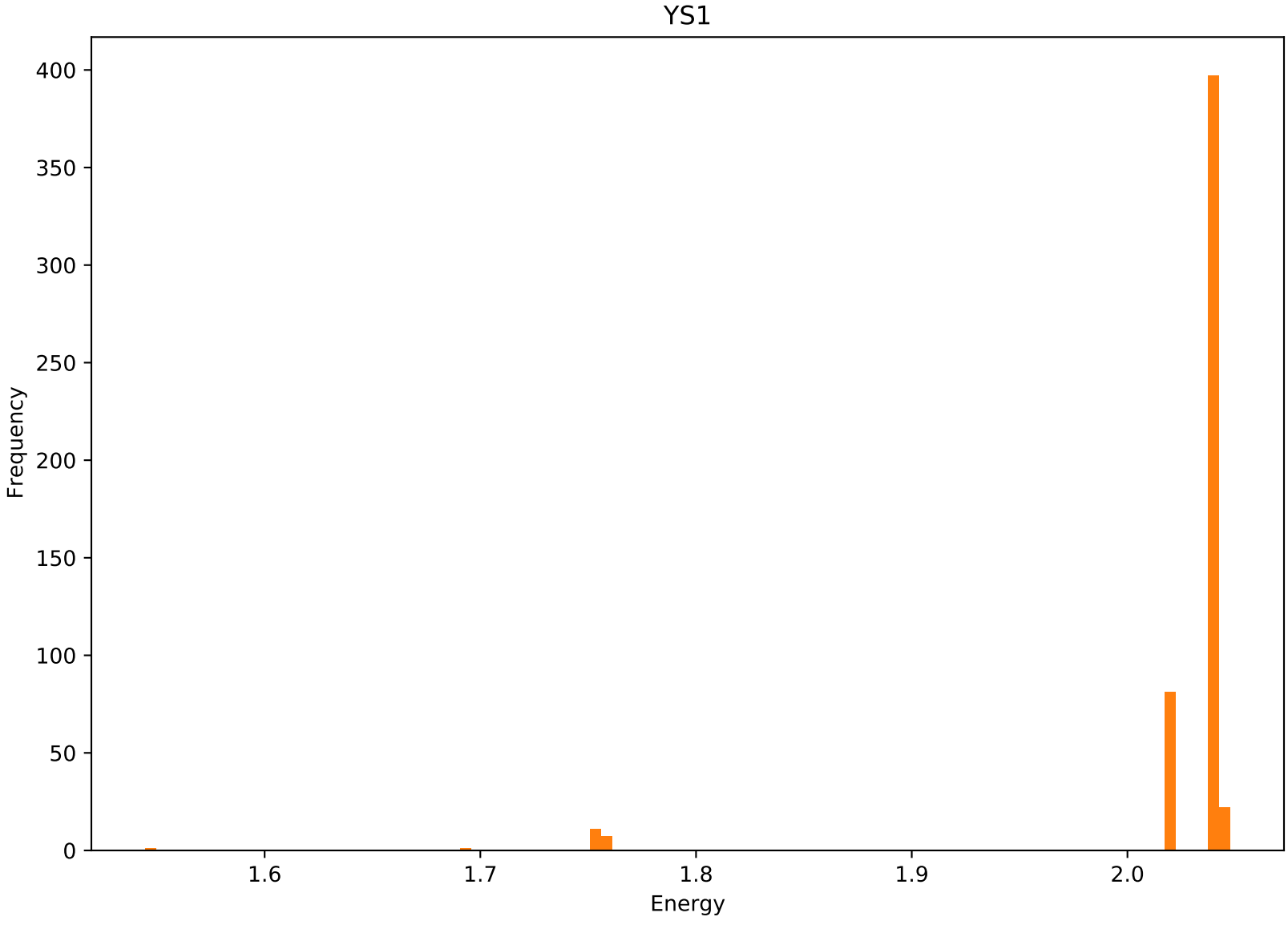

YM5
Frequency
Energy
0
20
40
60
80
100
120
−0.22
−0.20
−0.18
−0.16
−0.14

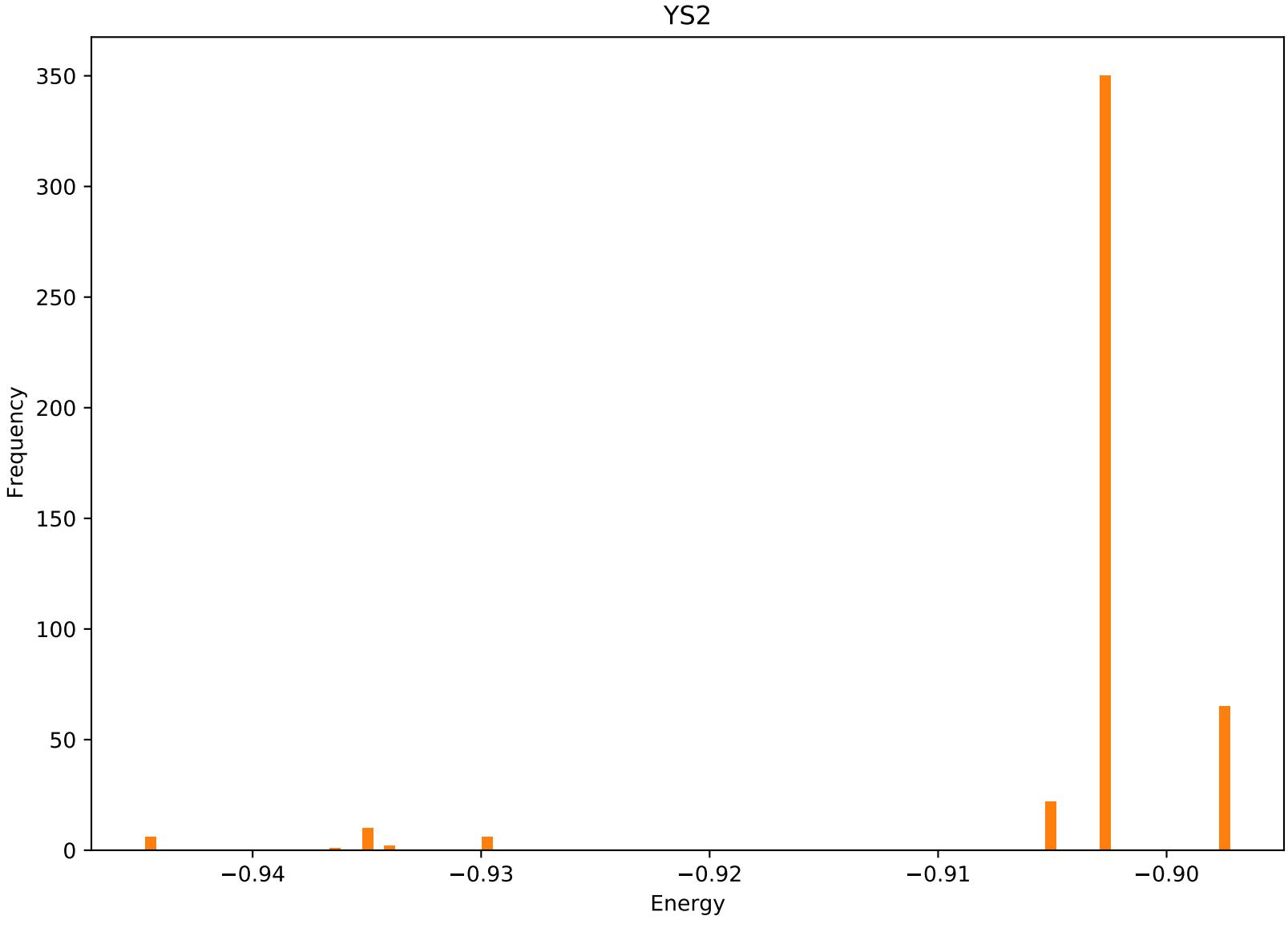

YM6
Frequency
Energy
100
80
60
40
20
0
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040

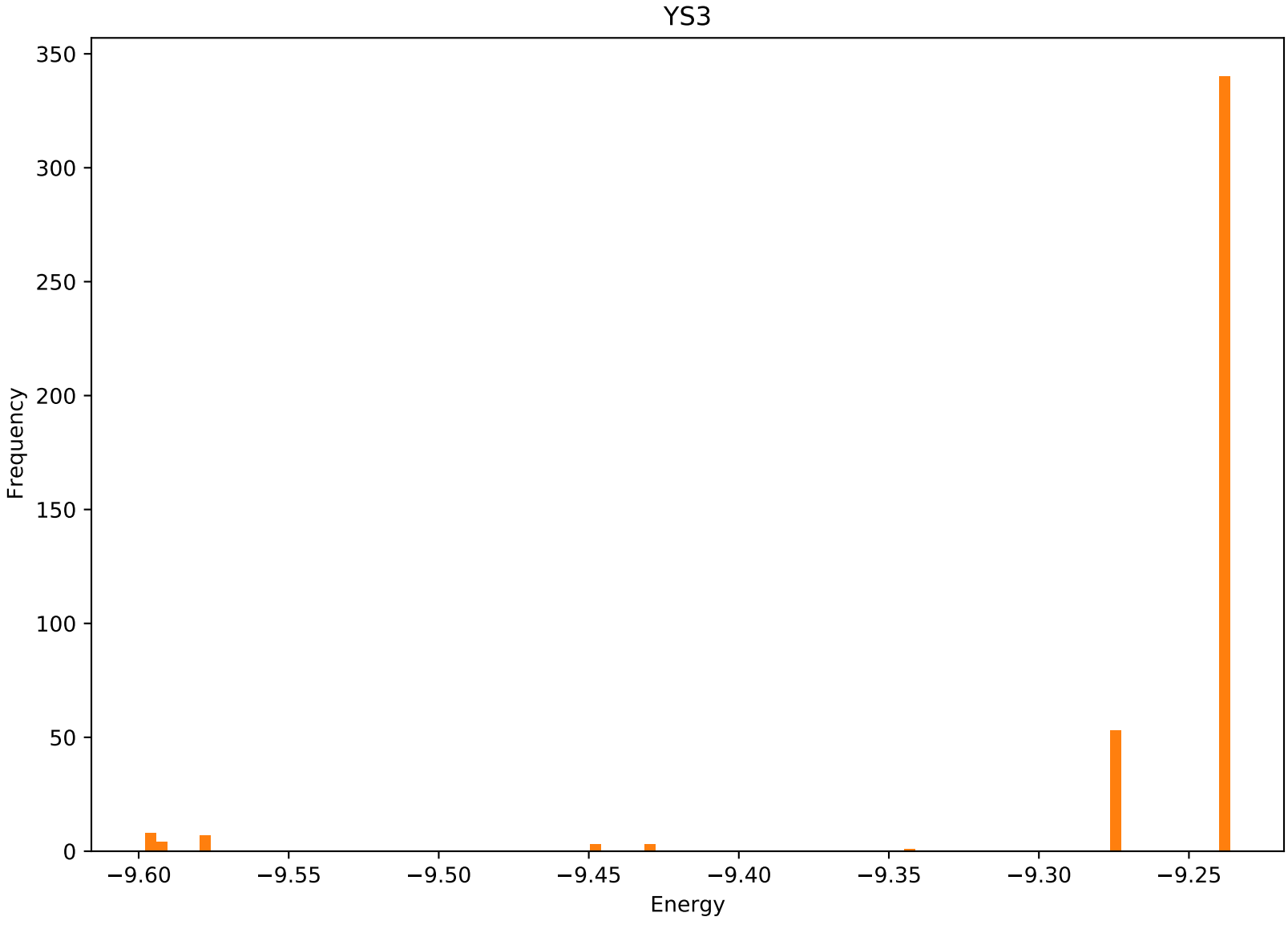

YM7
Frequency
Energy
0
20
40
60
80
100
−0.225
−0.200
−0.175
−0.150
−0.125
−0.100
−0.075
−0.050
−0.025

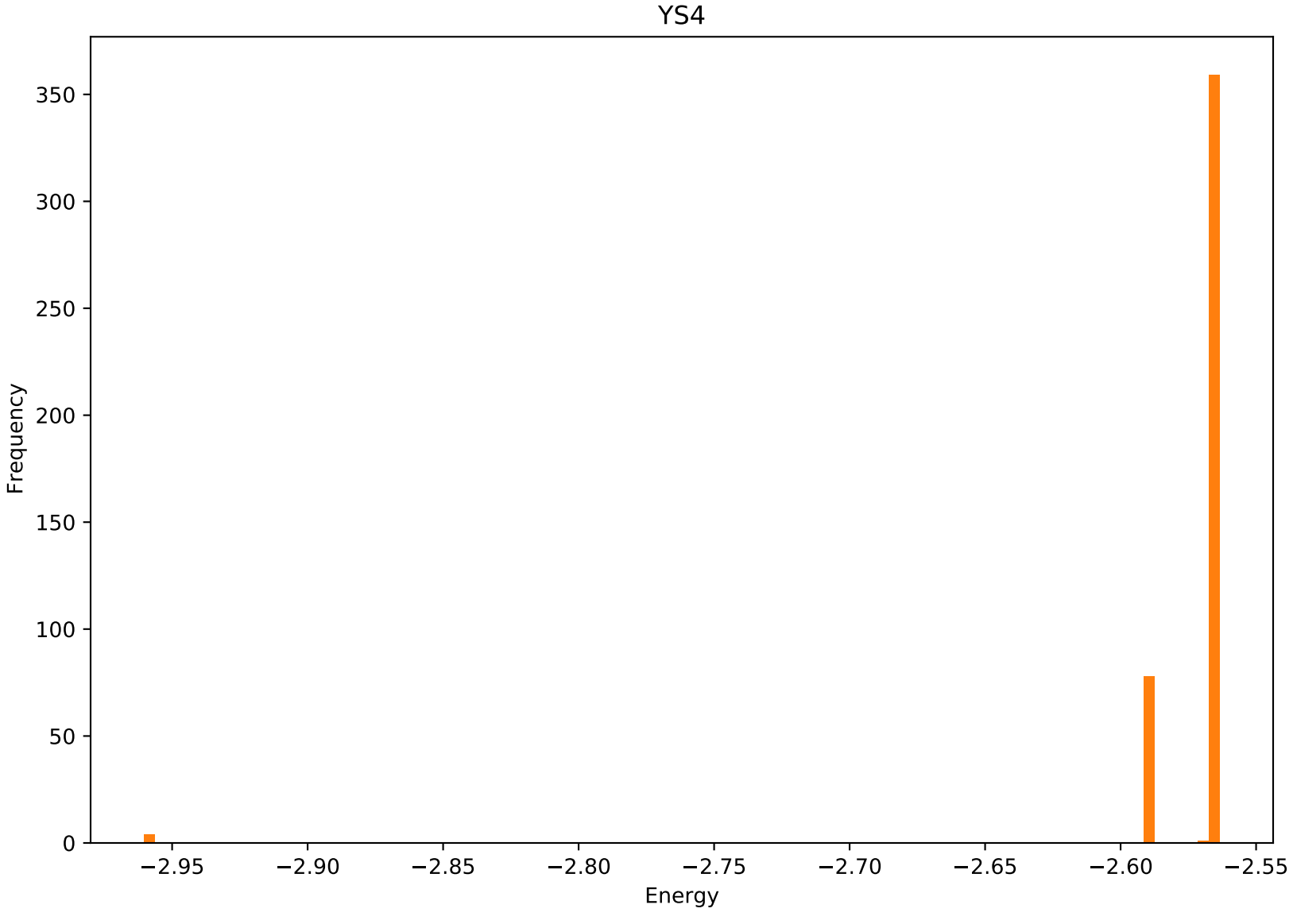

YM8
Frequency
120
100
80
60
40
20
0
−0.030
−0.025
−0.020
−0.015
−0.010
−0.005
Energy

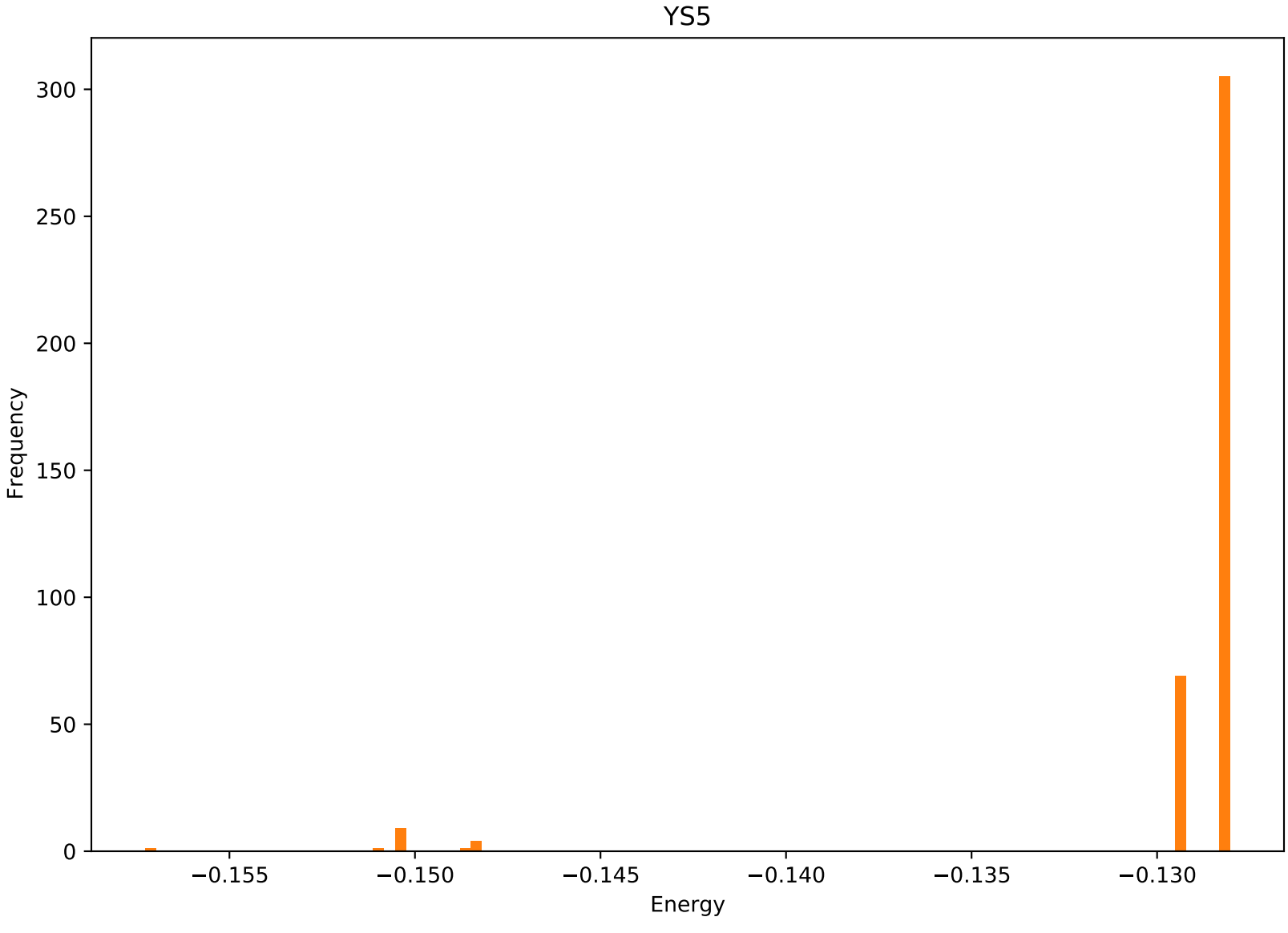

YM9
Frequency
100
80
60
40
20
0
−1.0
−0.8
−0.6
−0.4
−0.2
Energy
1e−5

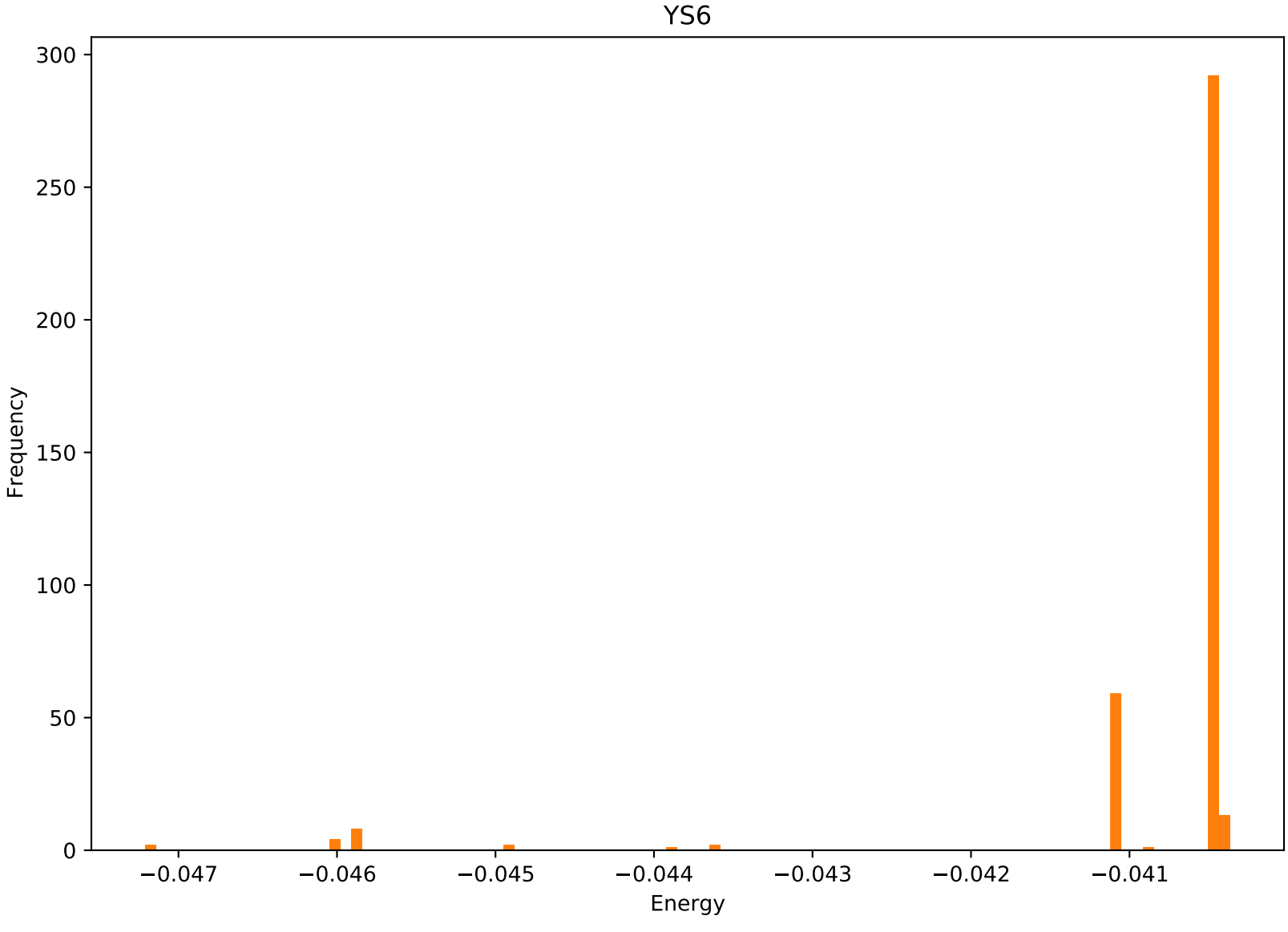

YS1
Frequency
Energy
0
50
100
150
200
250
300
350
400
1.6
1.7
1.8
1.9
2.0

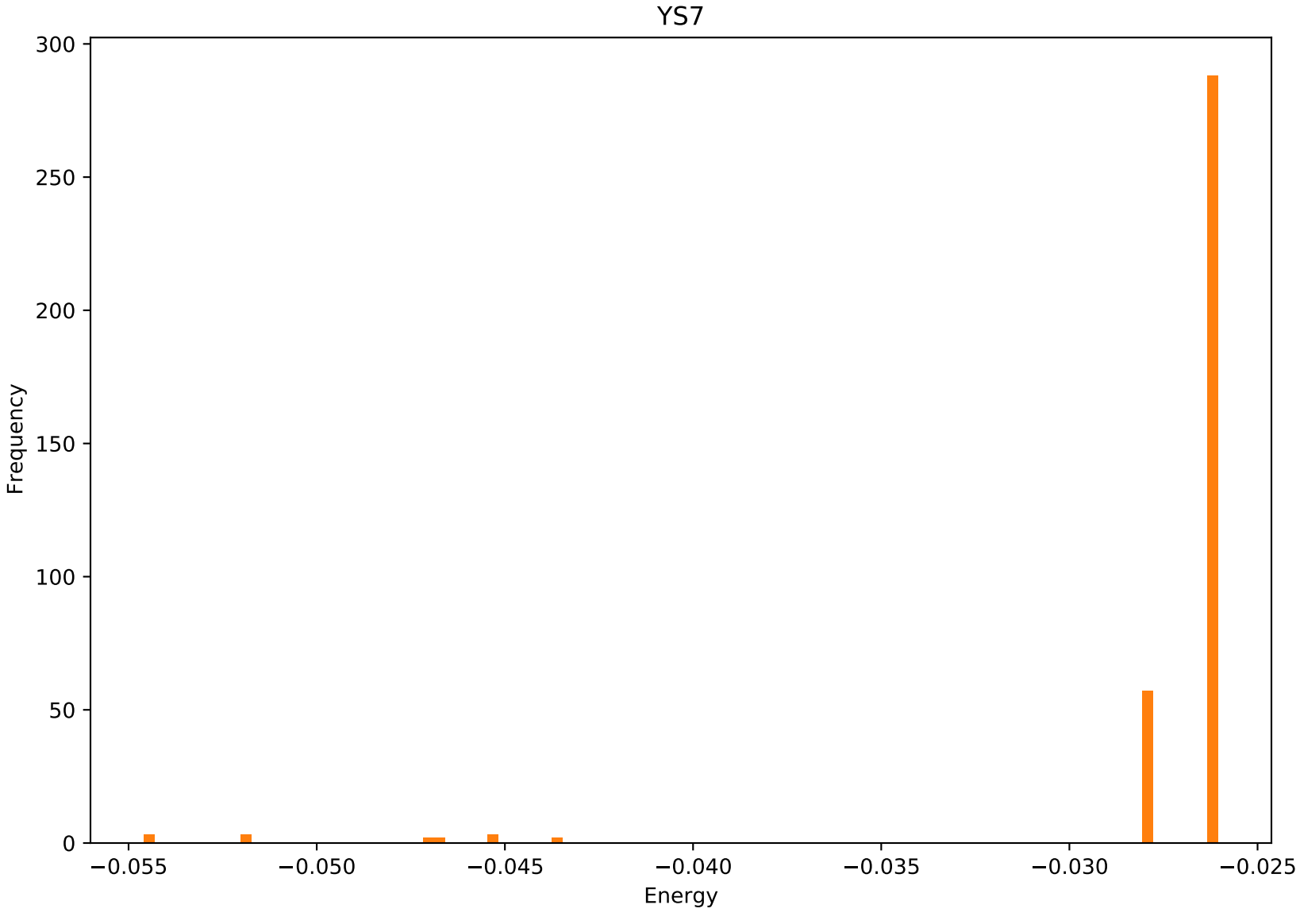

YS2
Frequency
Energy
350
300
250
200
150
100
50
0
−0.94
−0.93
−0.92
−0.91
−0.90

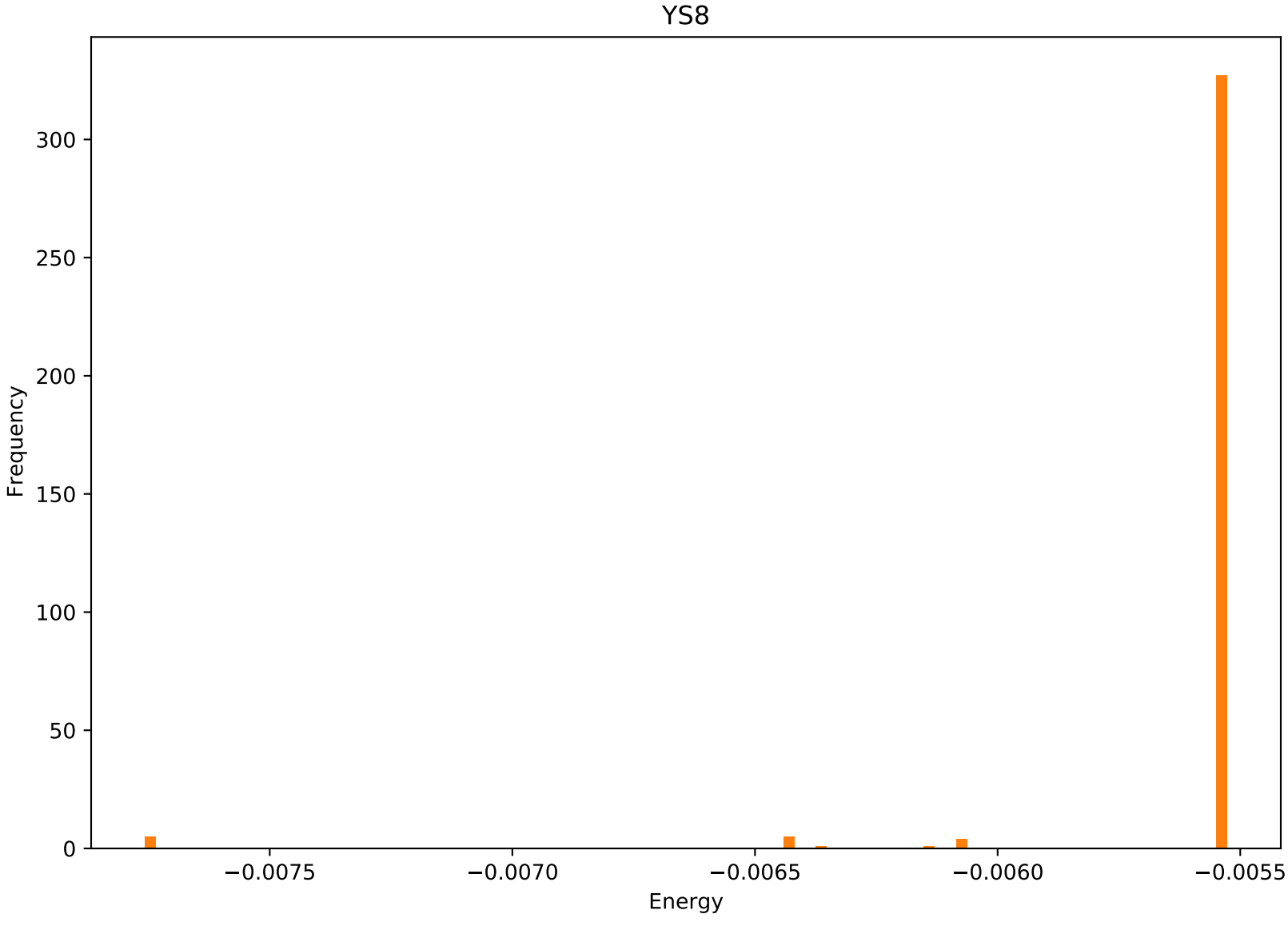

YS3
Frequency
Energy
350
300
250
200
150
100
50
0
−9.60
−9.55
−9.50
−9.45
−9.40
−9.35
−9.30
−9.25

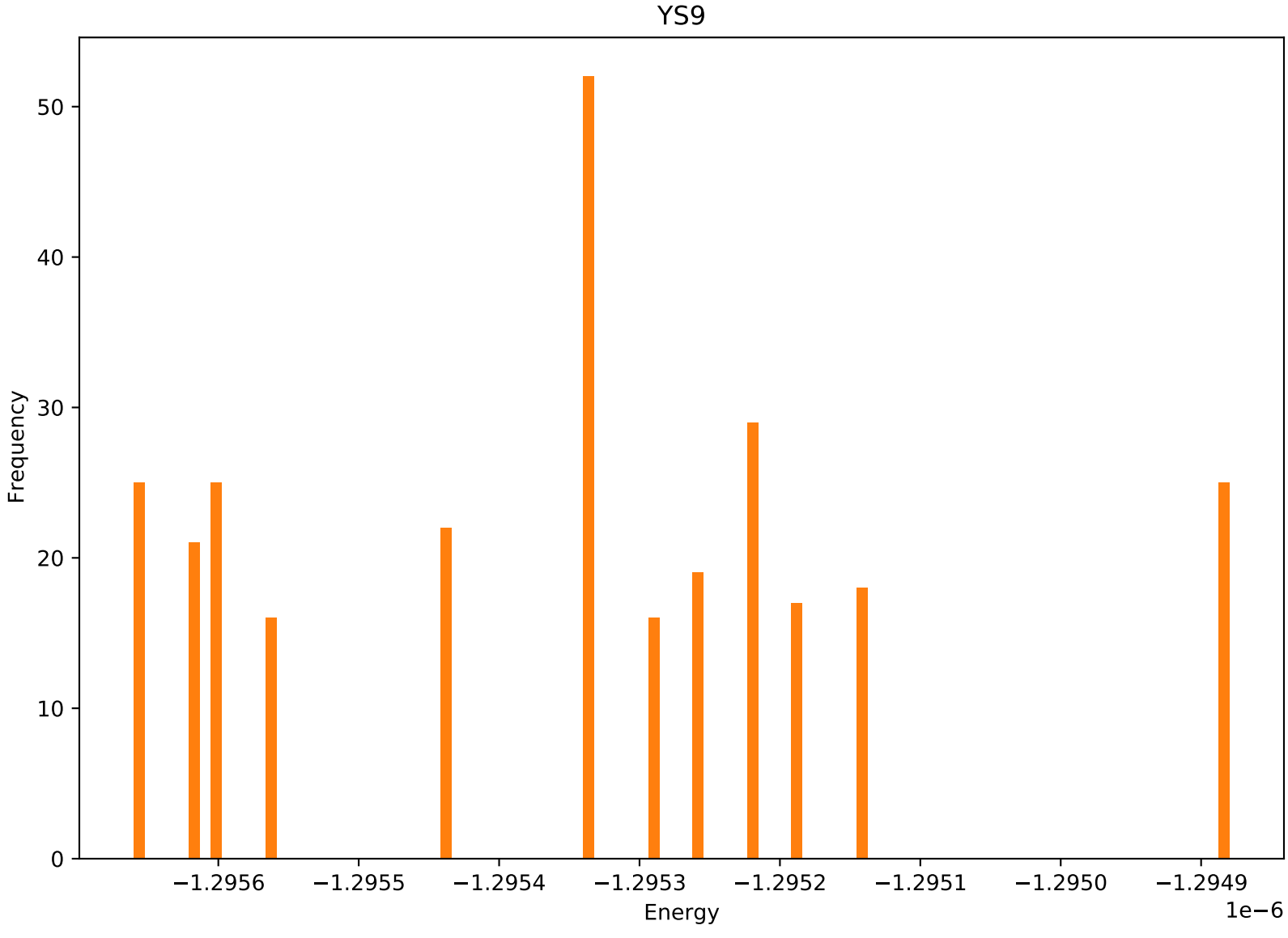

YS4
Frequency
0
50
100
150
200
250
300
350
−2.95
−2.90
−2.85
−2.80
−2.75
−2.70
−2.65
−2.60
−2.55
Energy

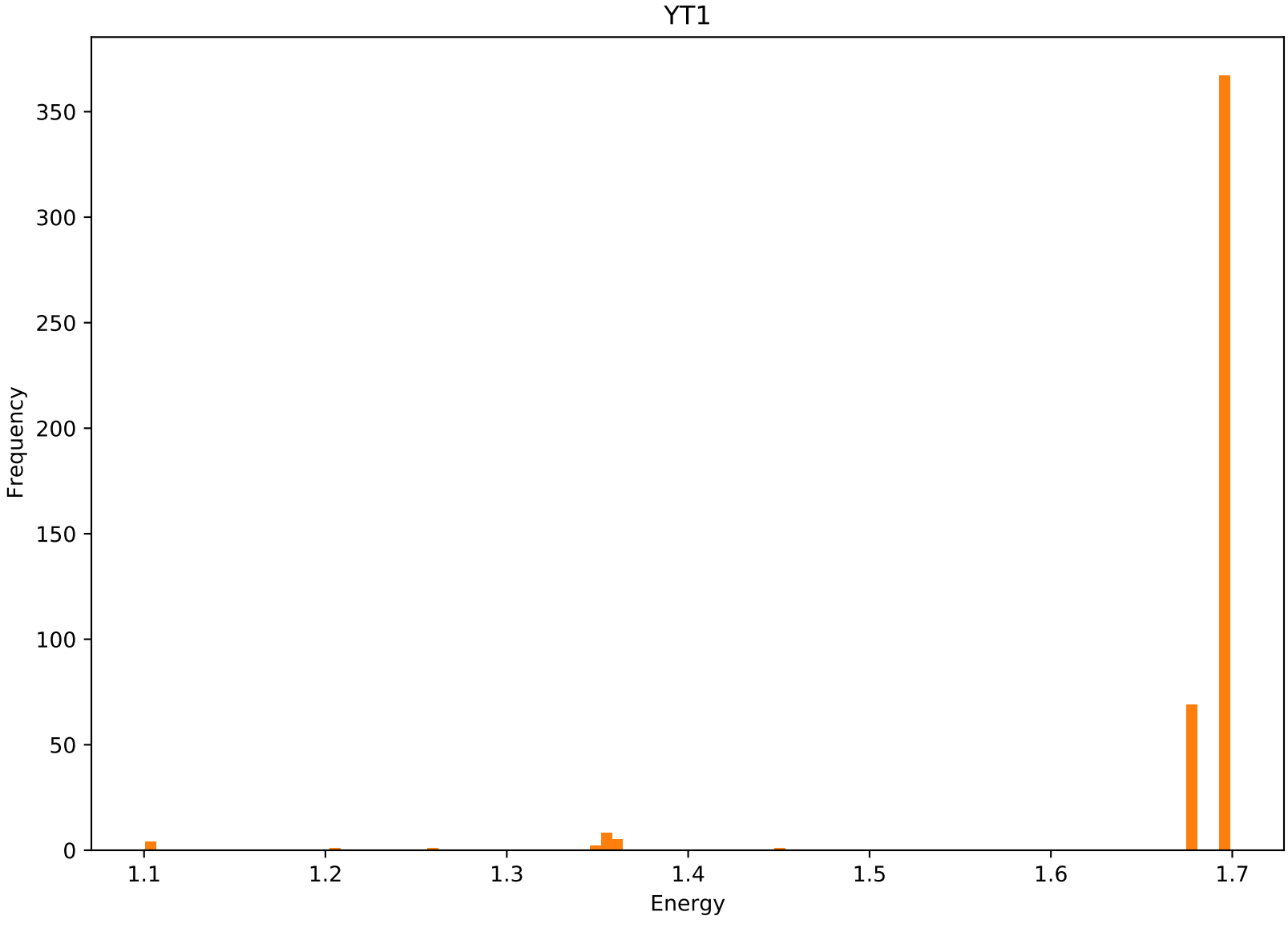

YS5
Frequency
300
250
200
150
100
50
0
−0.155
−0.150
−0.145
−0.140
−0.135
−0.130
Energy

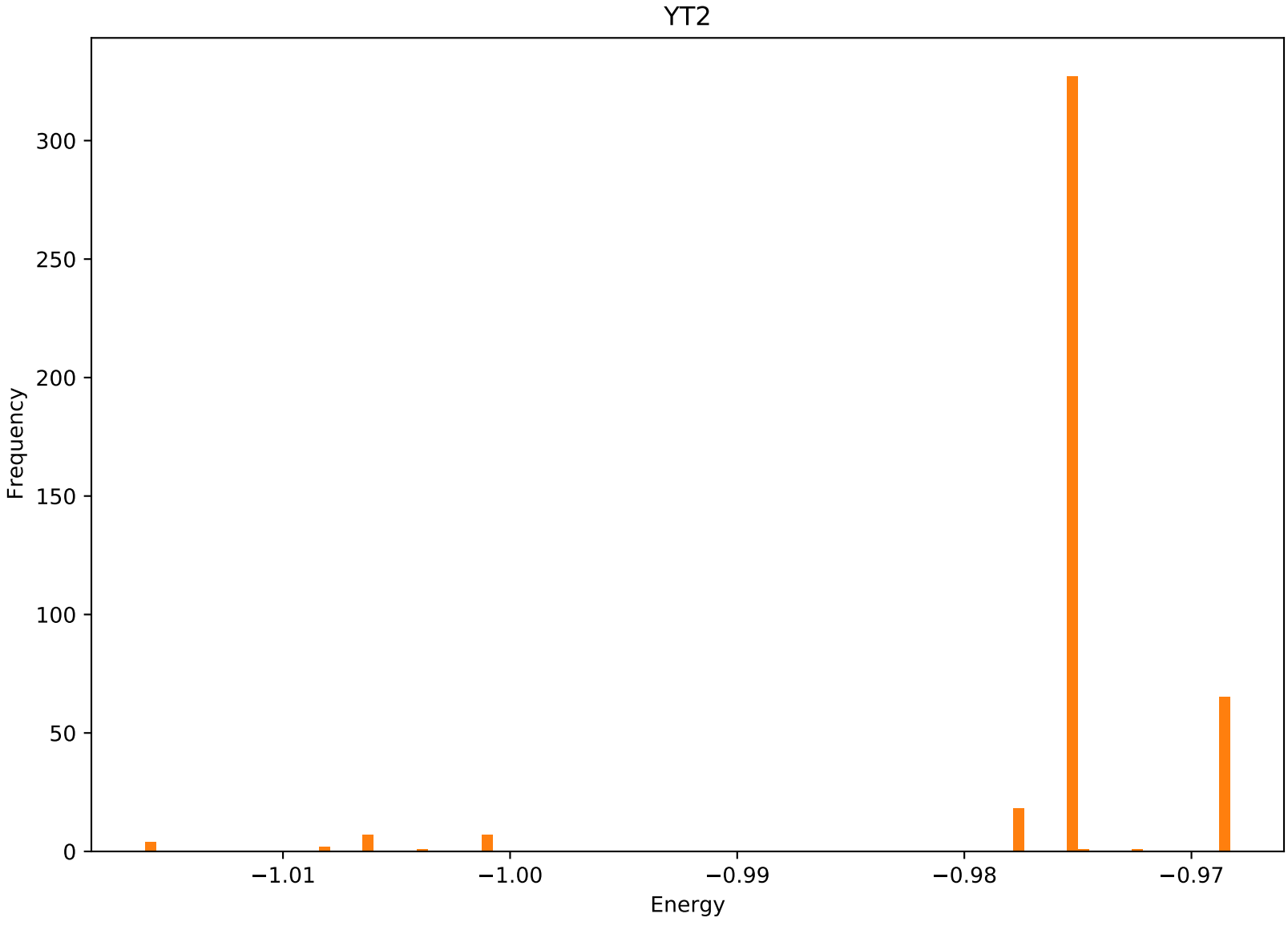

YS6
300
250
200
150
100
50
0
Frequency
−0.047
−0.046
−0.045
−0.044
−0.043
−0.042
−0.041
Energy

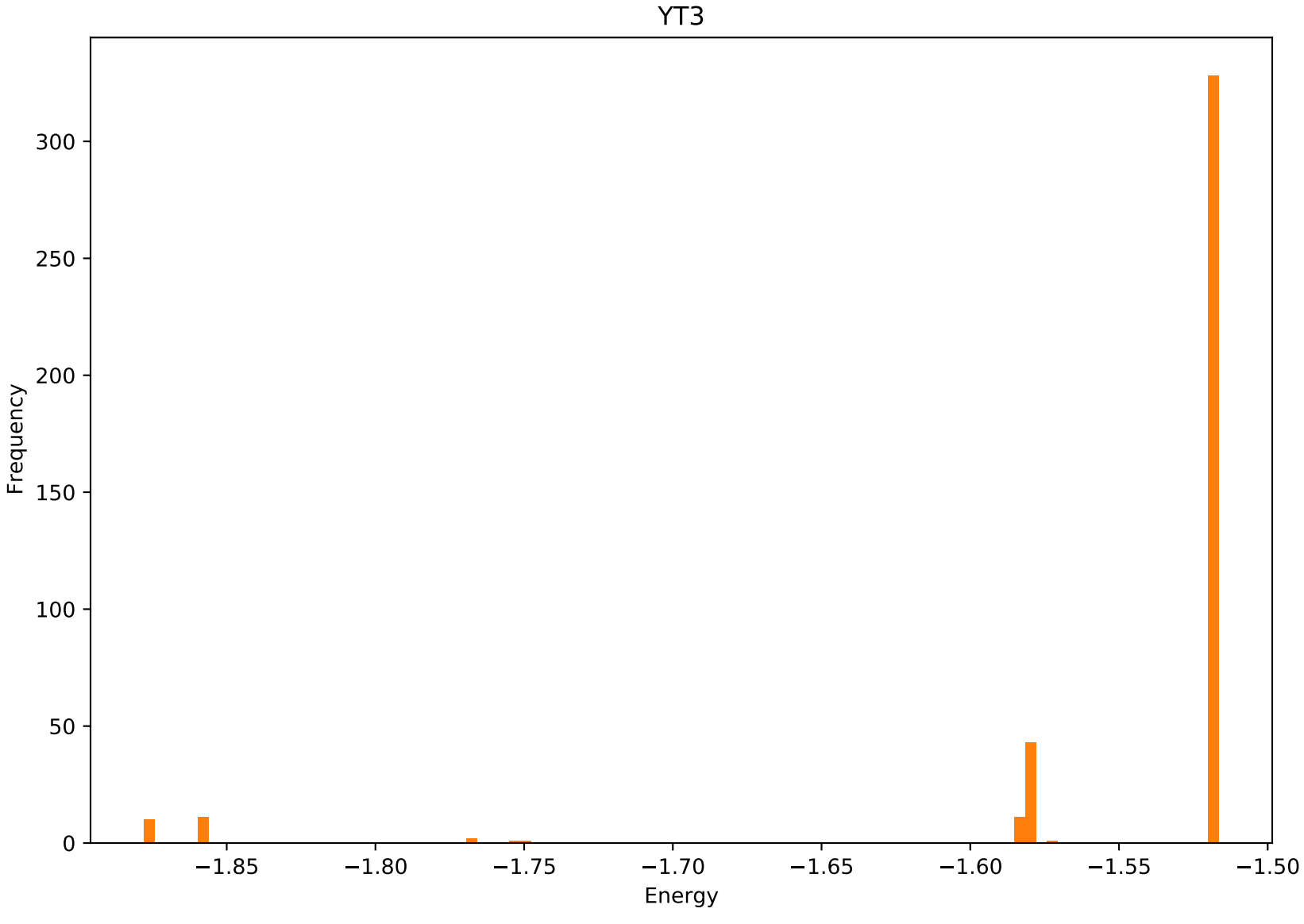

YS7
300
250
200
150
100
50
0
Frequency
−0.055
−0.050
−0.045
−0.040
−0.035
−0.030
−0.025
Energy

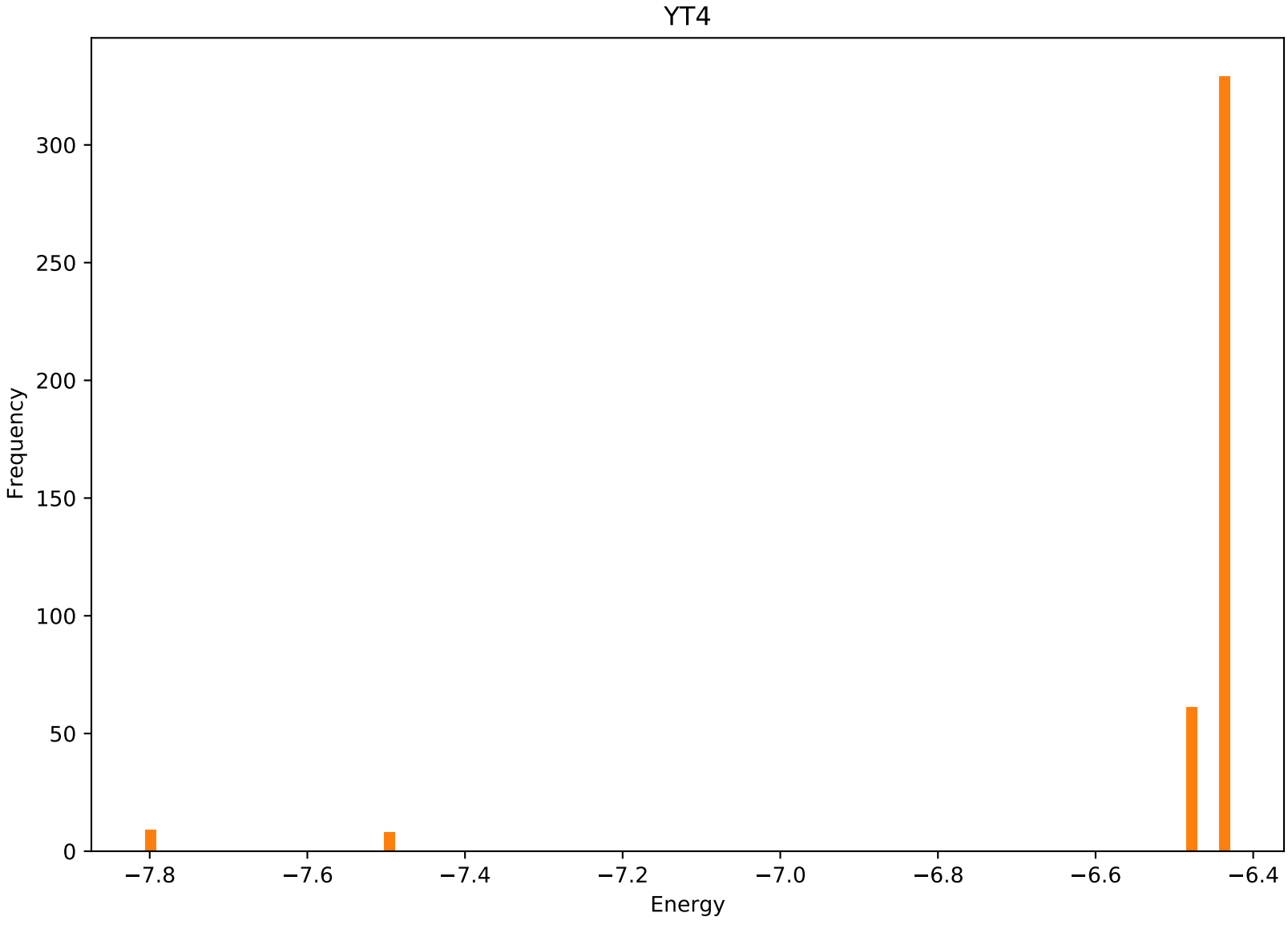

YS8
Frequency
300
250
200
150
100
50
0
−0.0075
−0.0070
−0.0065
−0.0060
−0.0055
Energy

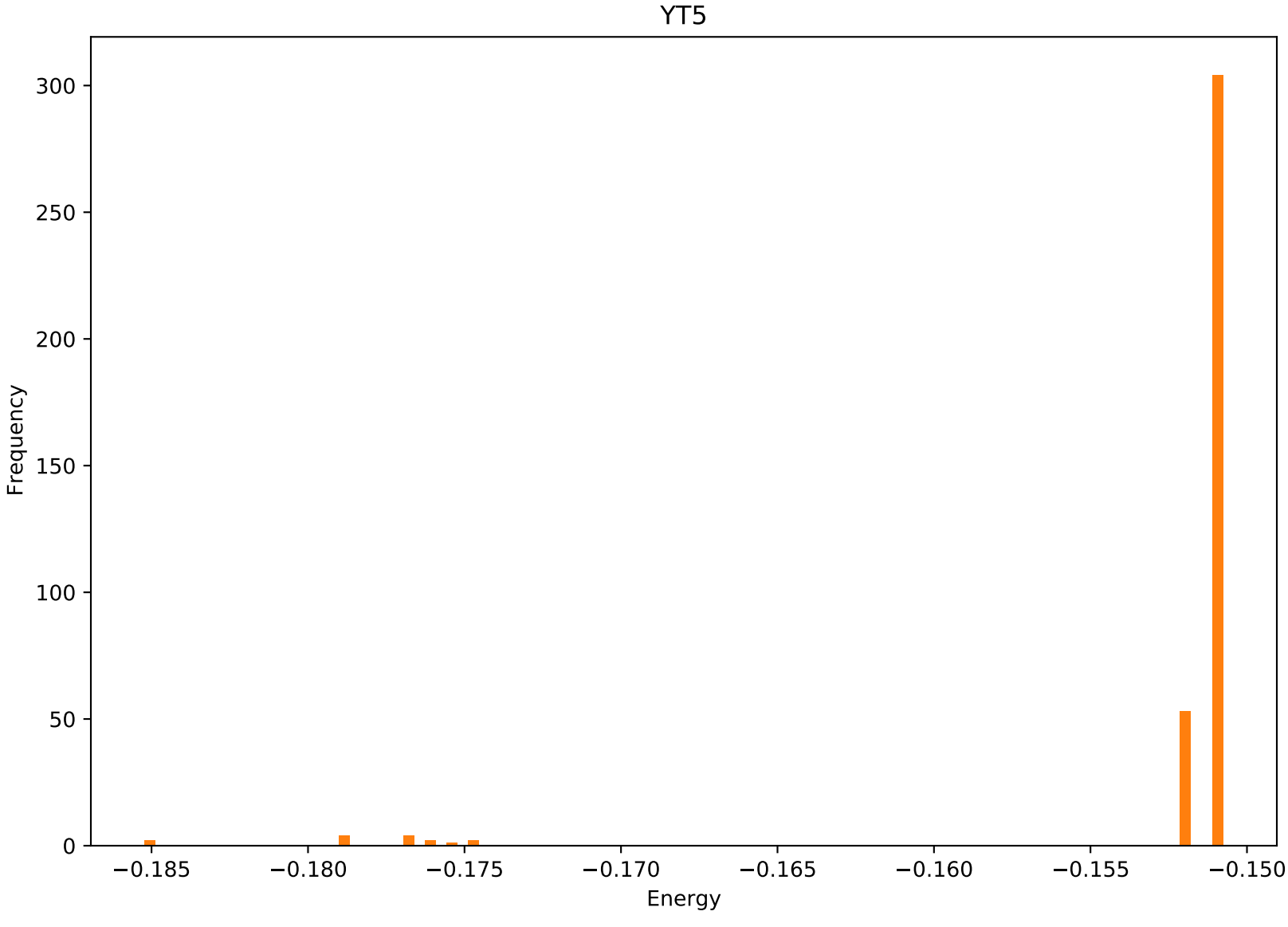

YS9
Frequency
0
10
20
30
40
50
−1.2956
−1.2955
−1.2954
−1.2953
−1.2952
−1.2951
−1.2950
−1.2949
Energy
1e−6

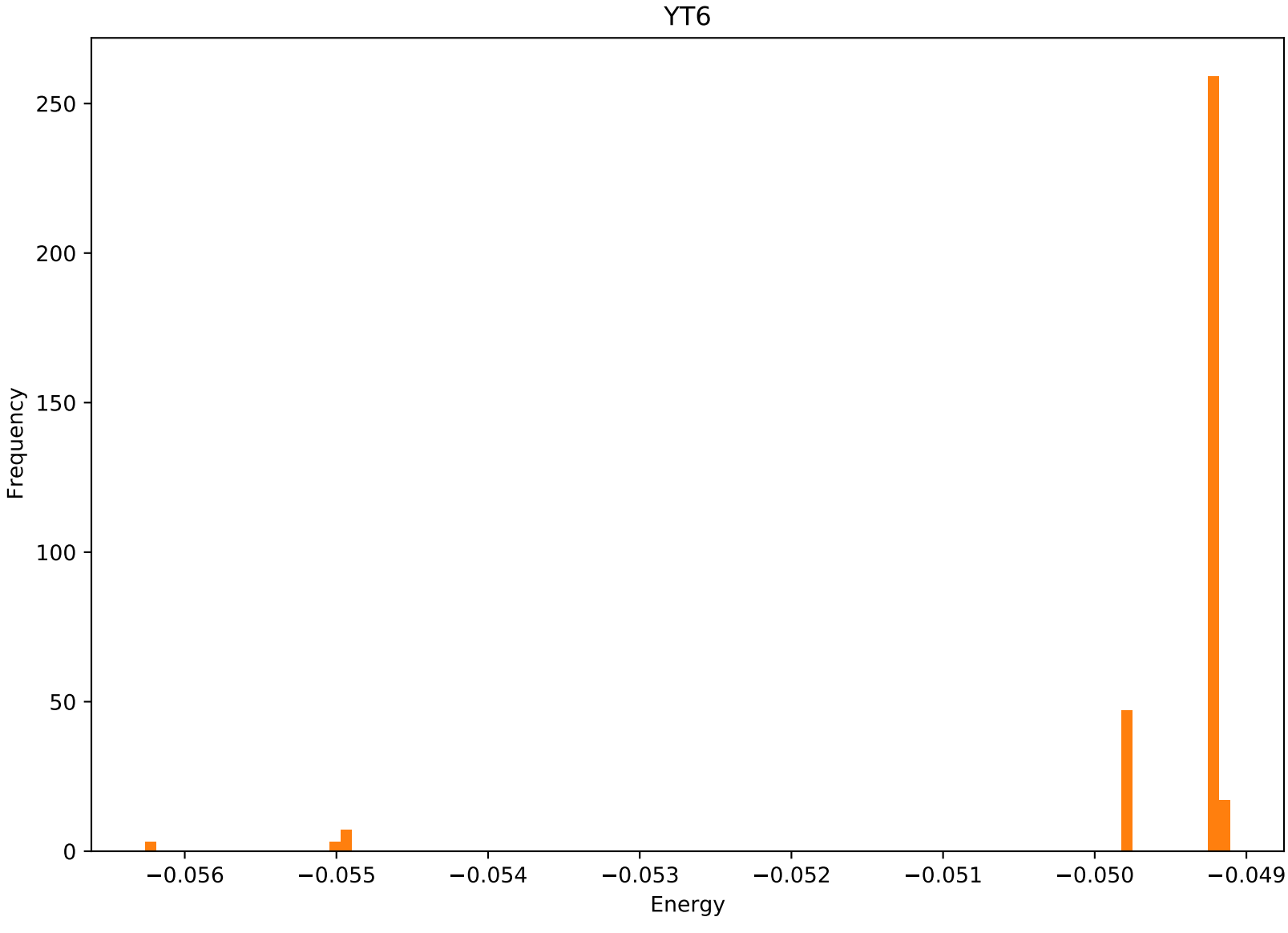

YT1
Frequency
Energy
0
50
100
150
200
250
300
350
1.1
1.2
1.3
1.4
1.5
1.6
1.7

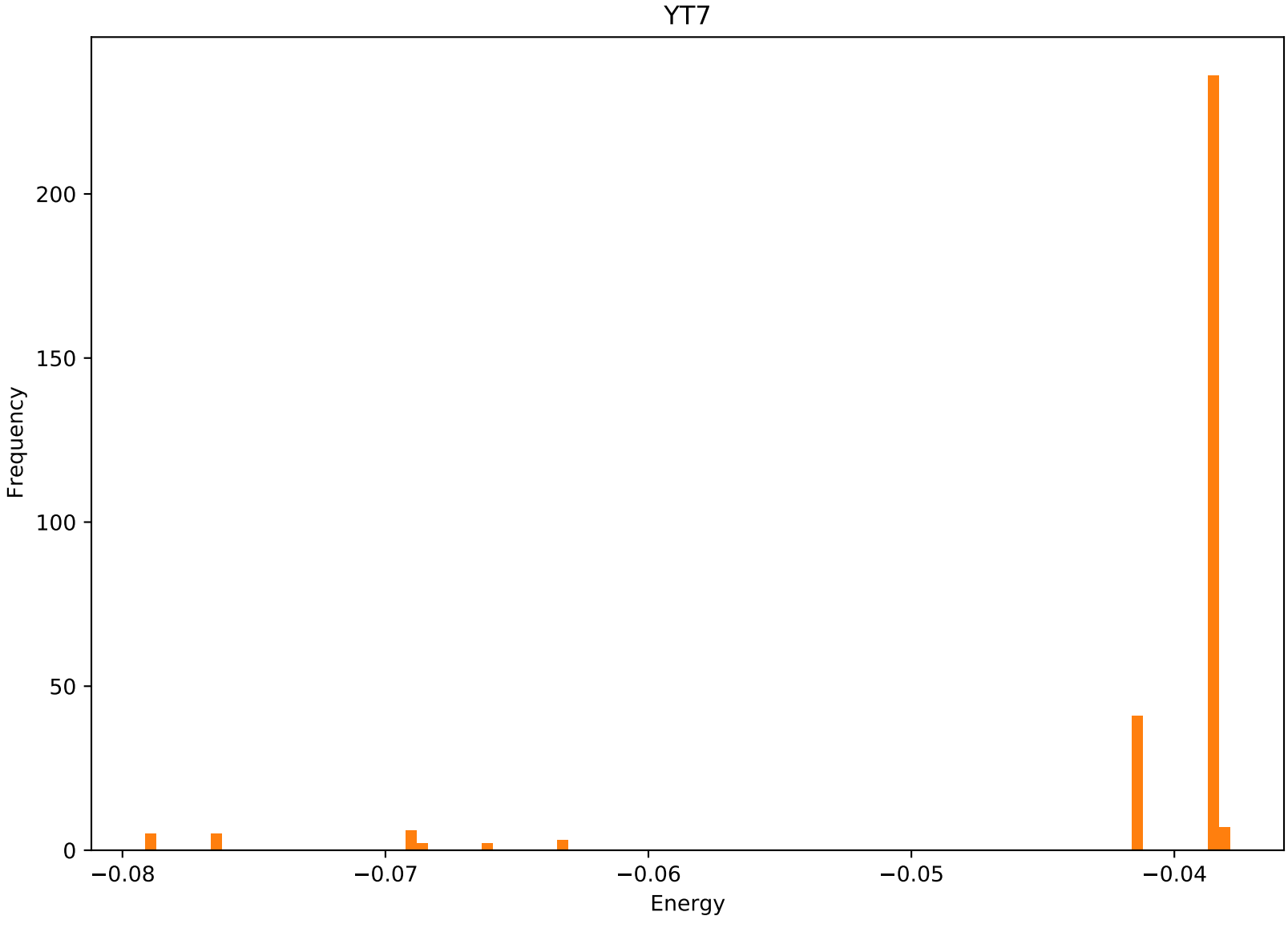

YT2
Frequency
300
250
200
150
100
50
0
−1.01
−1.00
−0.99
−0.98
−0.97
Energy

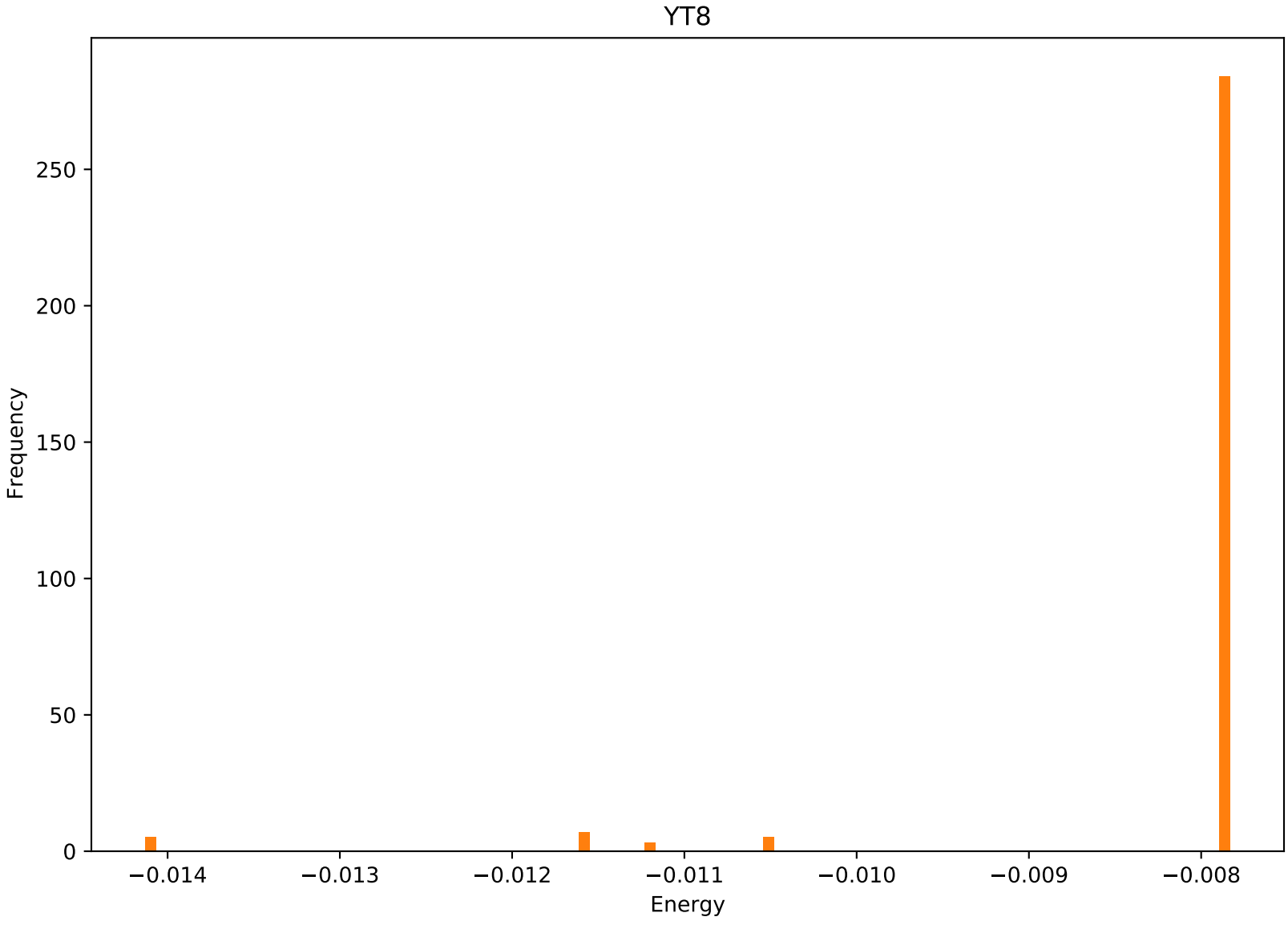

YT3
Frequency
300
250
200
150
100
50
0
−1.85
−1.80
−1.75
−1.70
−1.65
−1.60
−1.55
−1.50
Energy

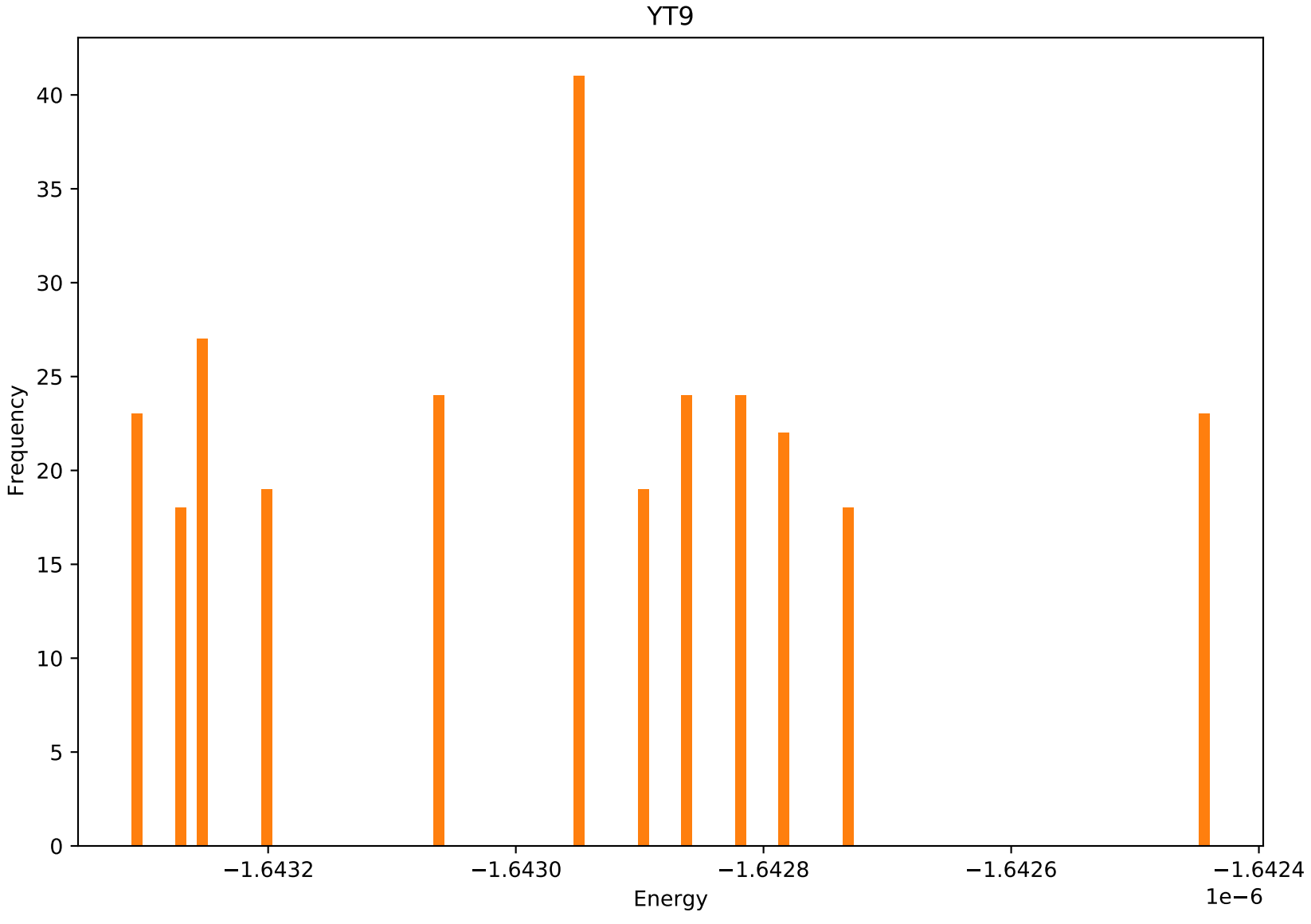

YT4
Frequency
300
250
200
150
100
50
0
−7.8
−7.6
−7.4
−7.2
−7.0
−6.8
−6.6
−6.4
Energy

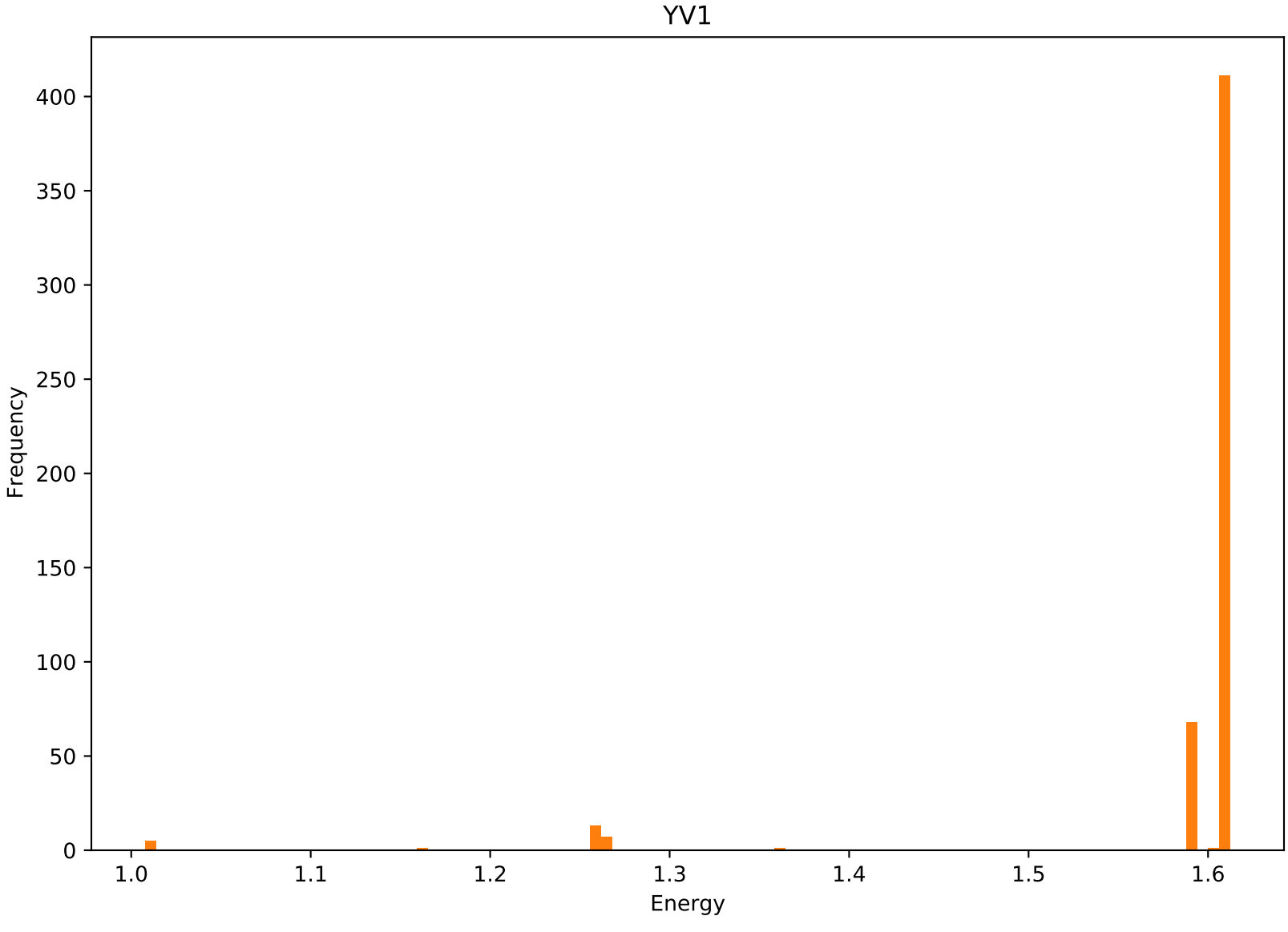

YT5
Frequency
300
250
200
150
100
50
0
−0.185
−0.180
−0.175
−0.170
−0.165
−0.160
−0.155
−0.150
Energy

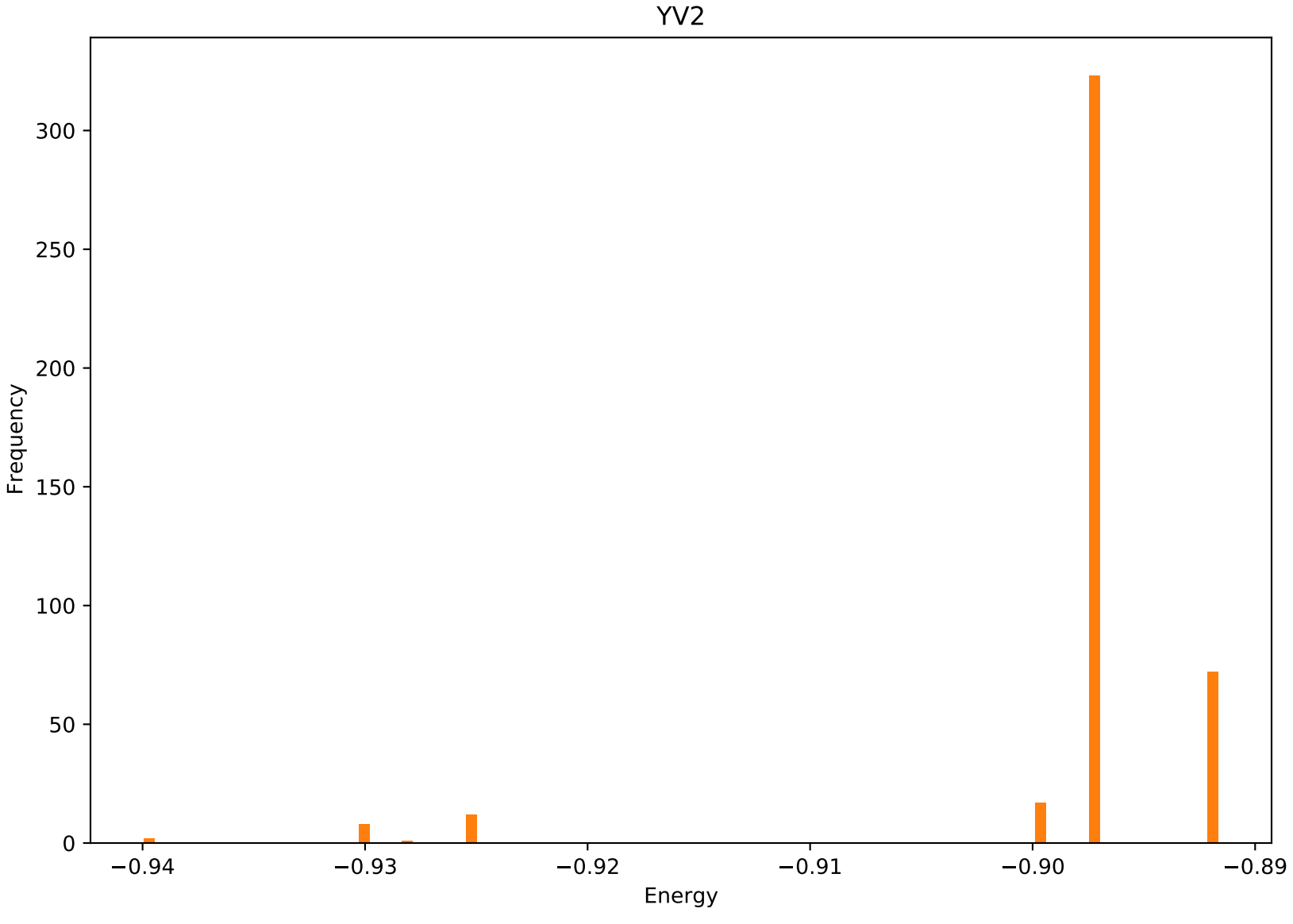

YT6
Frequency
250
200
150
100
50
0
−0.056
−0.055
−0.054
−0.053
−0.052
−0.051
−0.050
−0.049
Energy

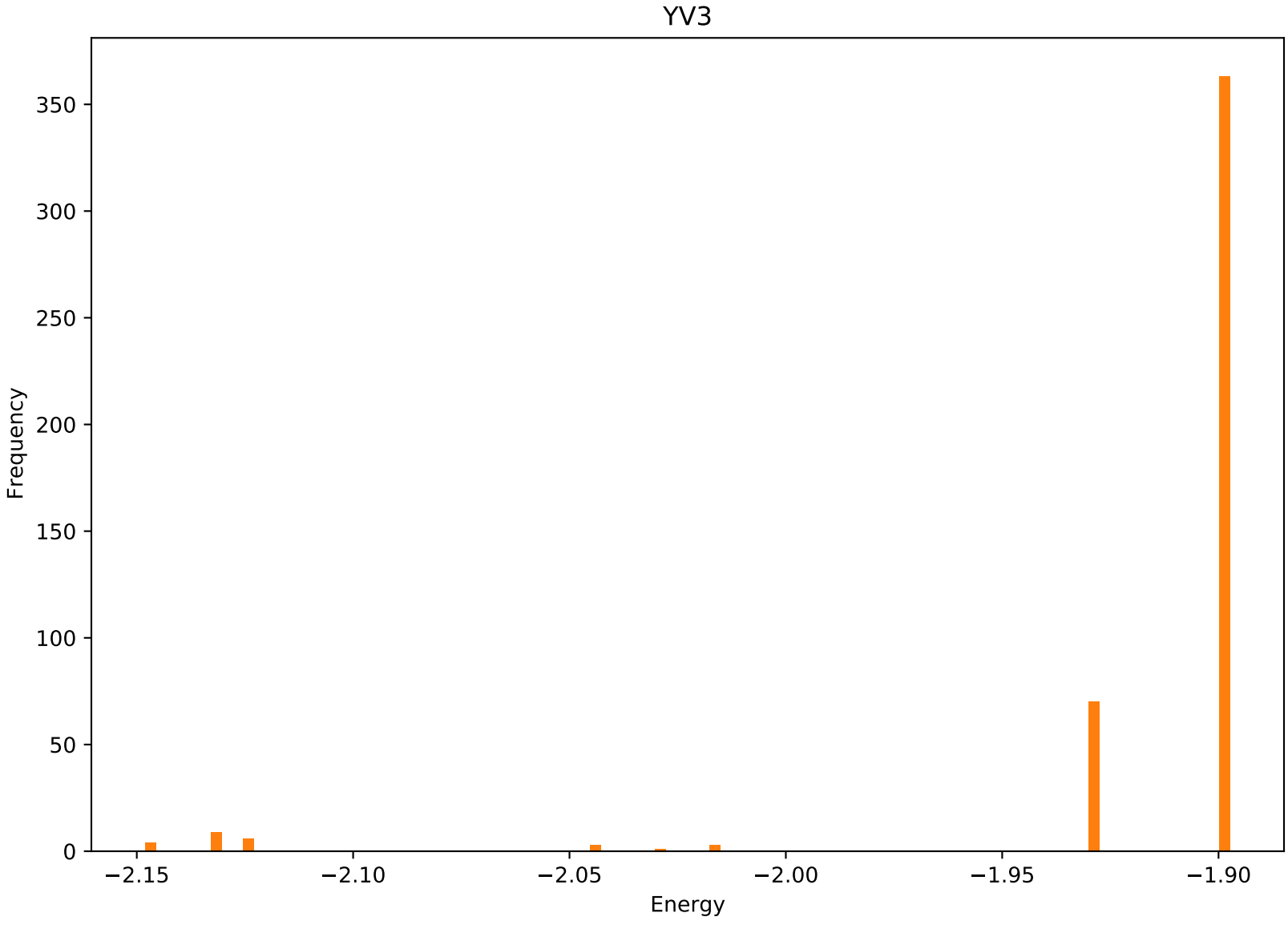

YT7
Frequency
200
150
100
50
0
−0.08
−0.07
−0.06
−0.05
−0.04
Energy

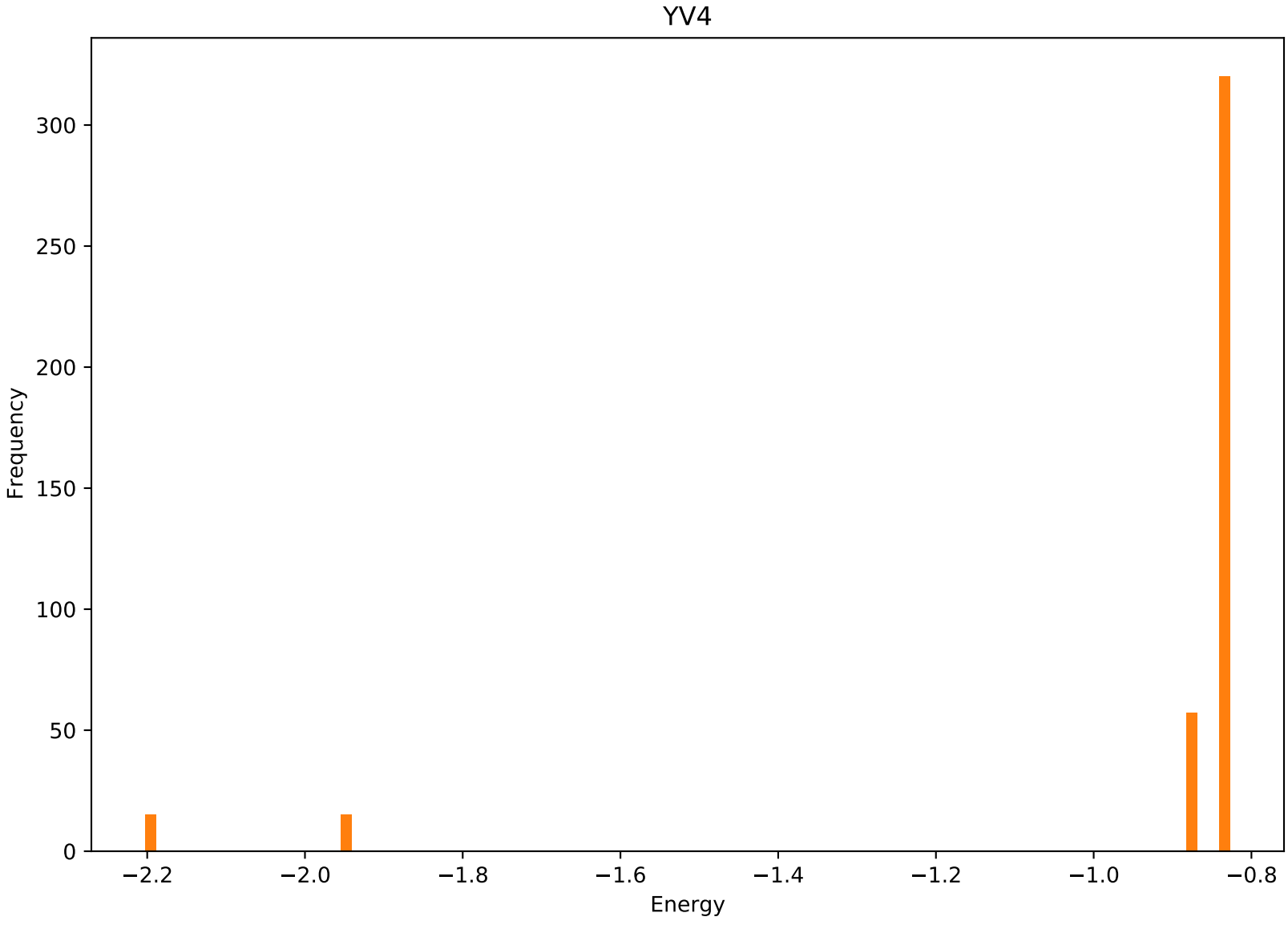

YT8
Frequency
250
200
150
100
50
0
−0.014
−0.013
−0.012
−0.011
−0.010
−0.009
−0.008
Energy

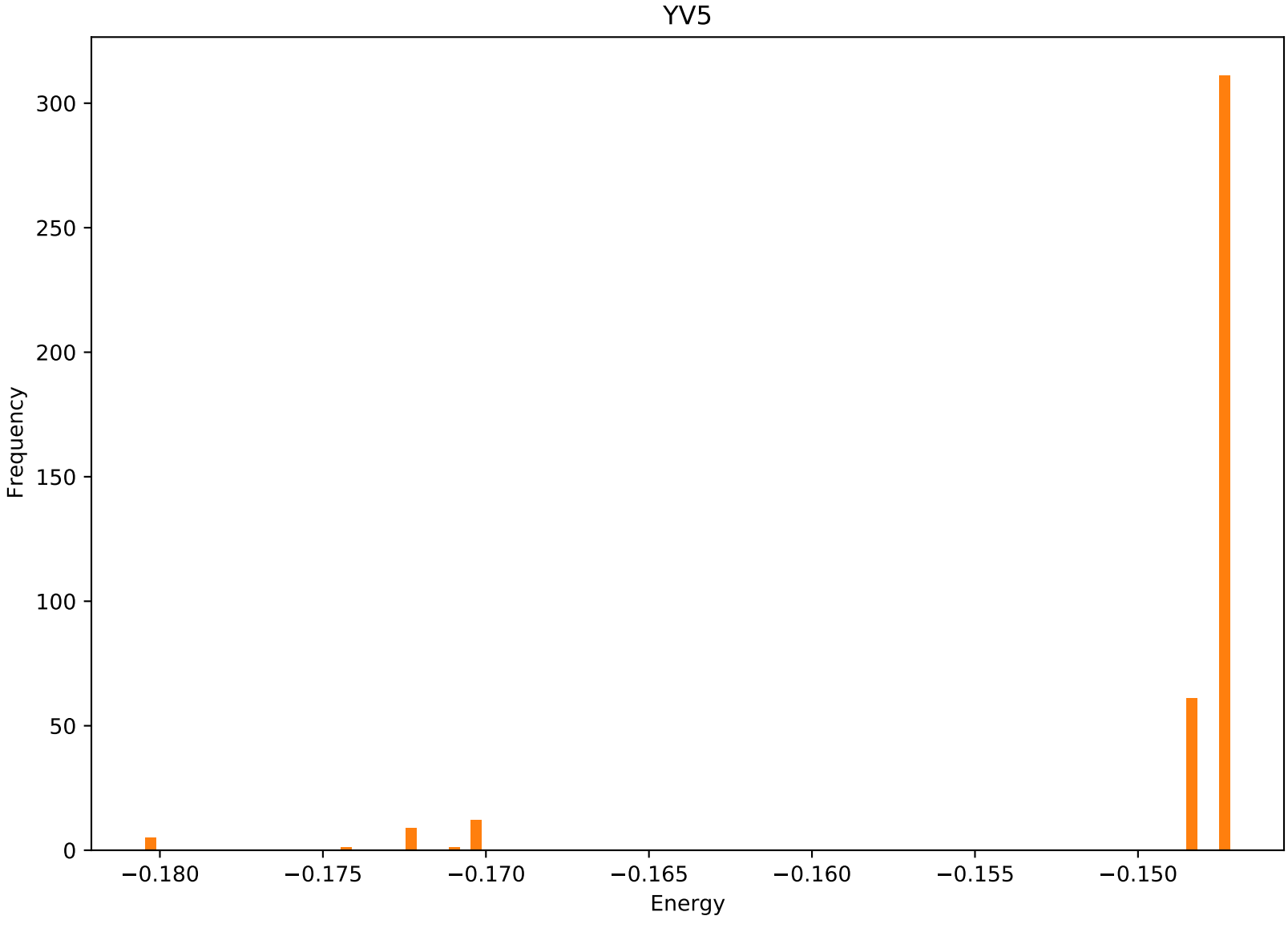

YT9
Frequency
0
5
10
15
20
25
30
35
40
−1.6432
−1.6430
−1.6428
−1.6426
−1.6424
Energy
1e−6

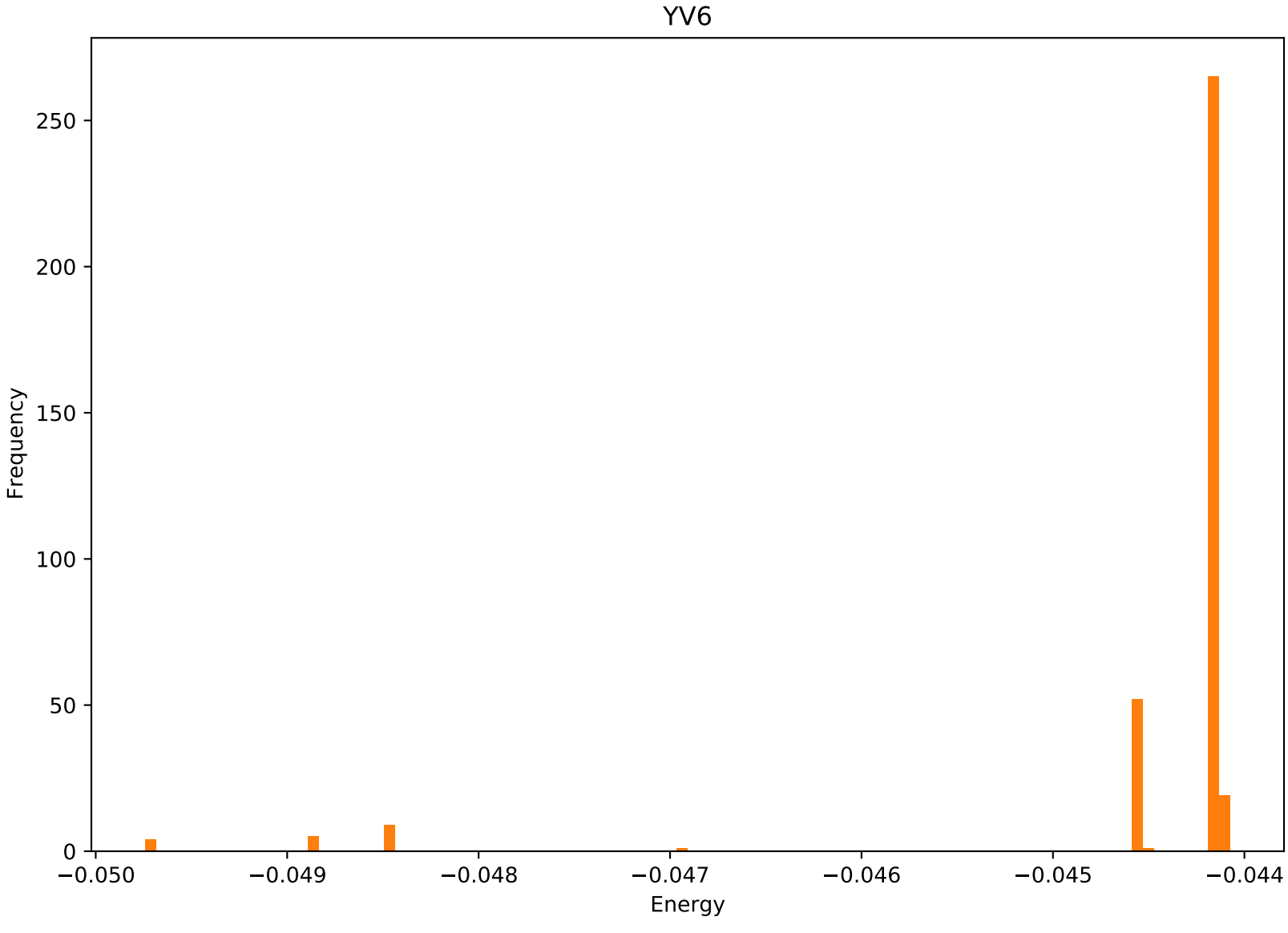

YV1
Frequency
Energy
0
50
100
150
200
250
300
350
400
1.0
1.1
1.2
1.3
1.4
1.5
1.6

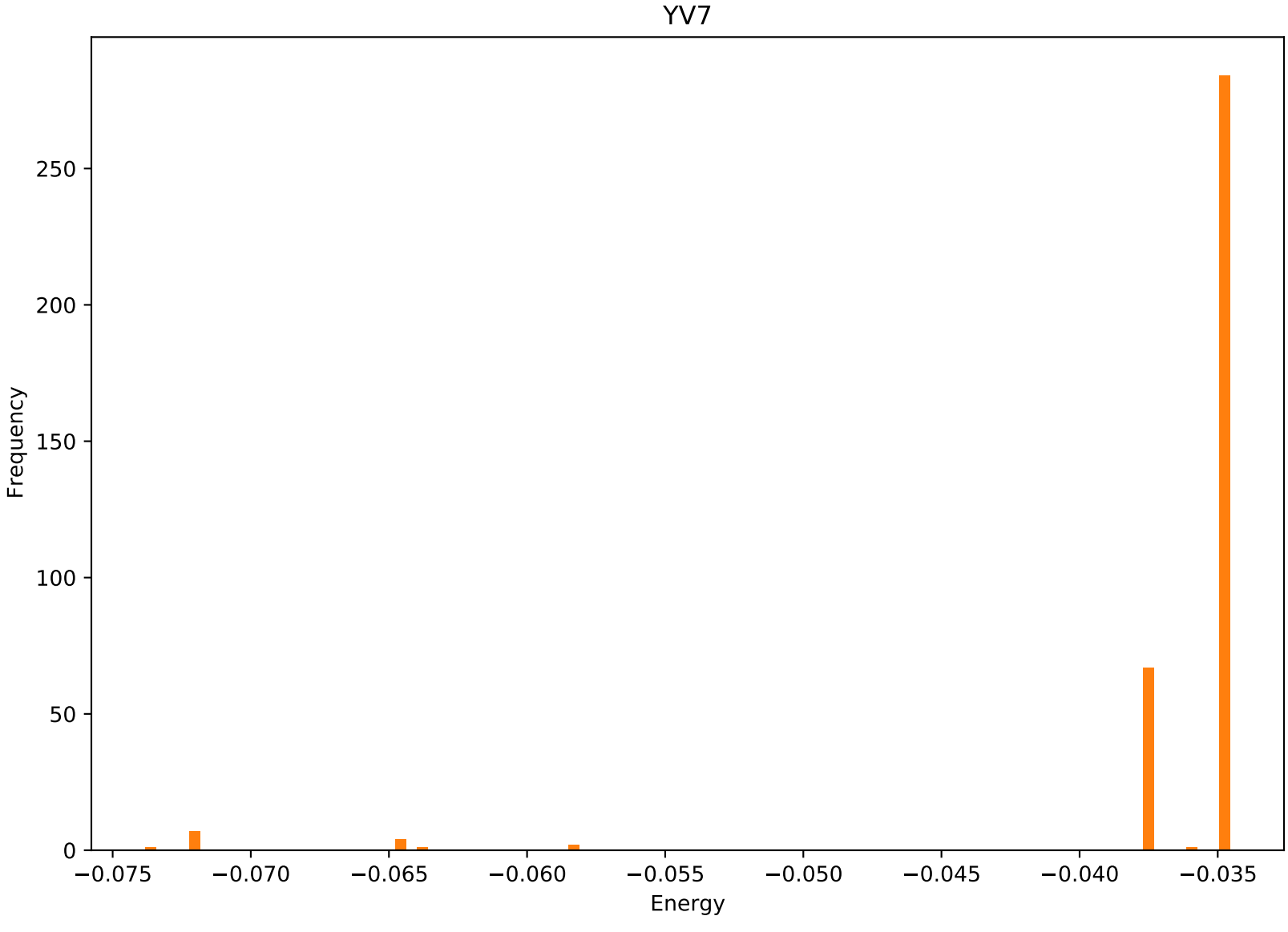

YV2
Frequency
300
250
200
150
100
50
0
−0.94
−0.93
−0.92
−0.91
−0.90
−0.89
Energy

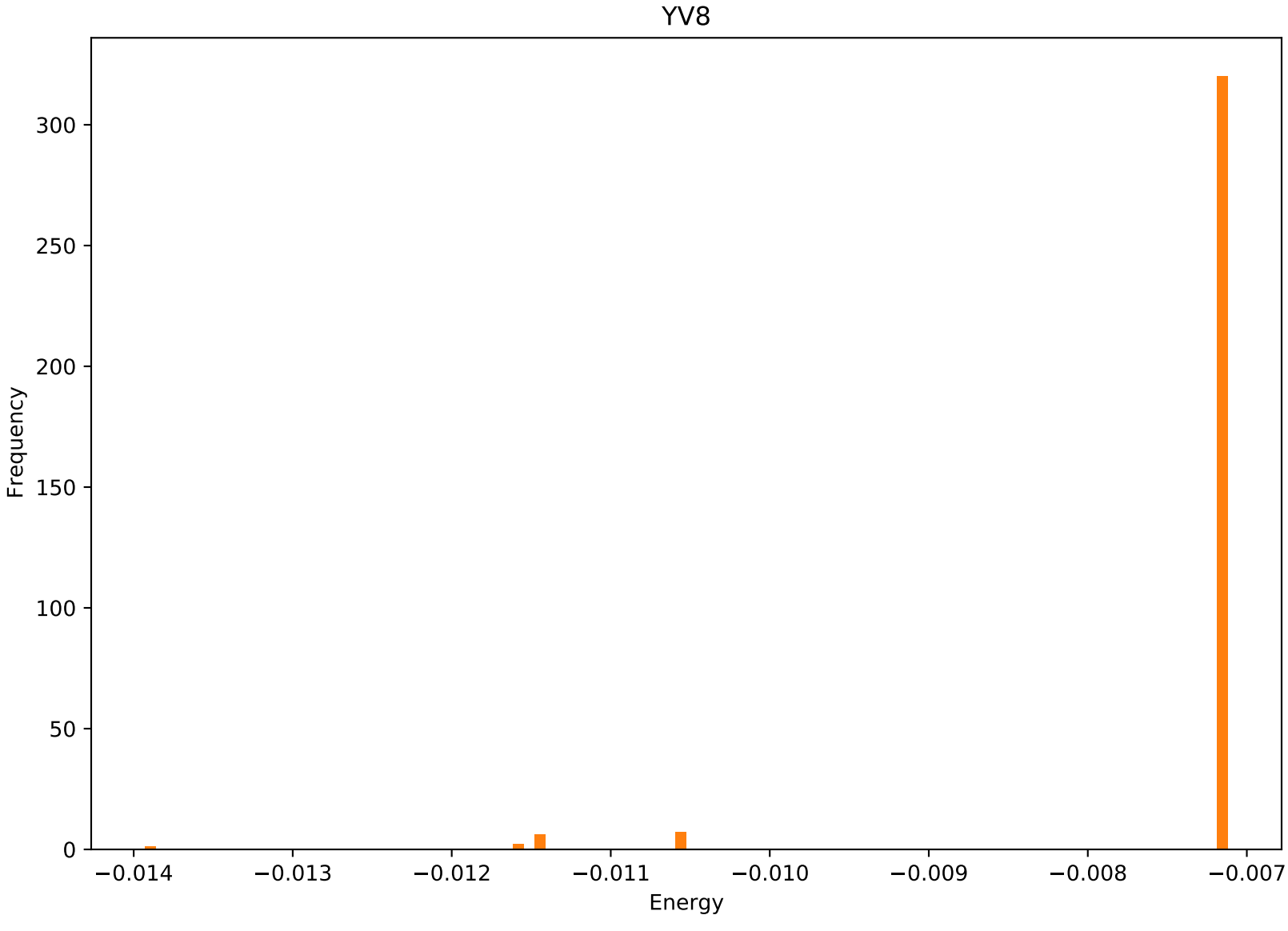

YV3
Frequency
Energy
0
50
100
150
200
250
300
350
−2.15
−2.10
−2.05
−2.00
−1.95
−1.90

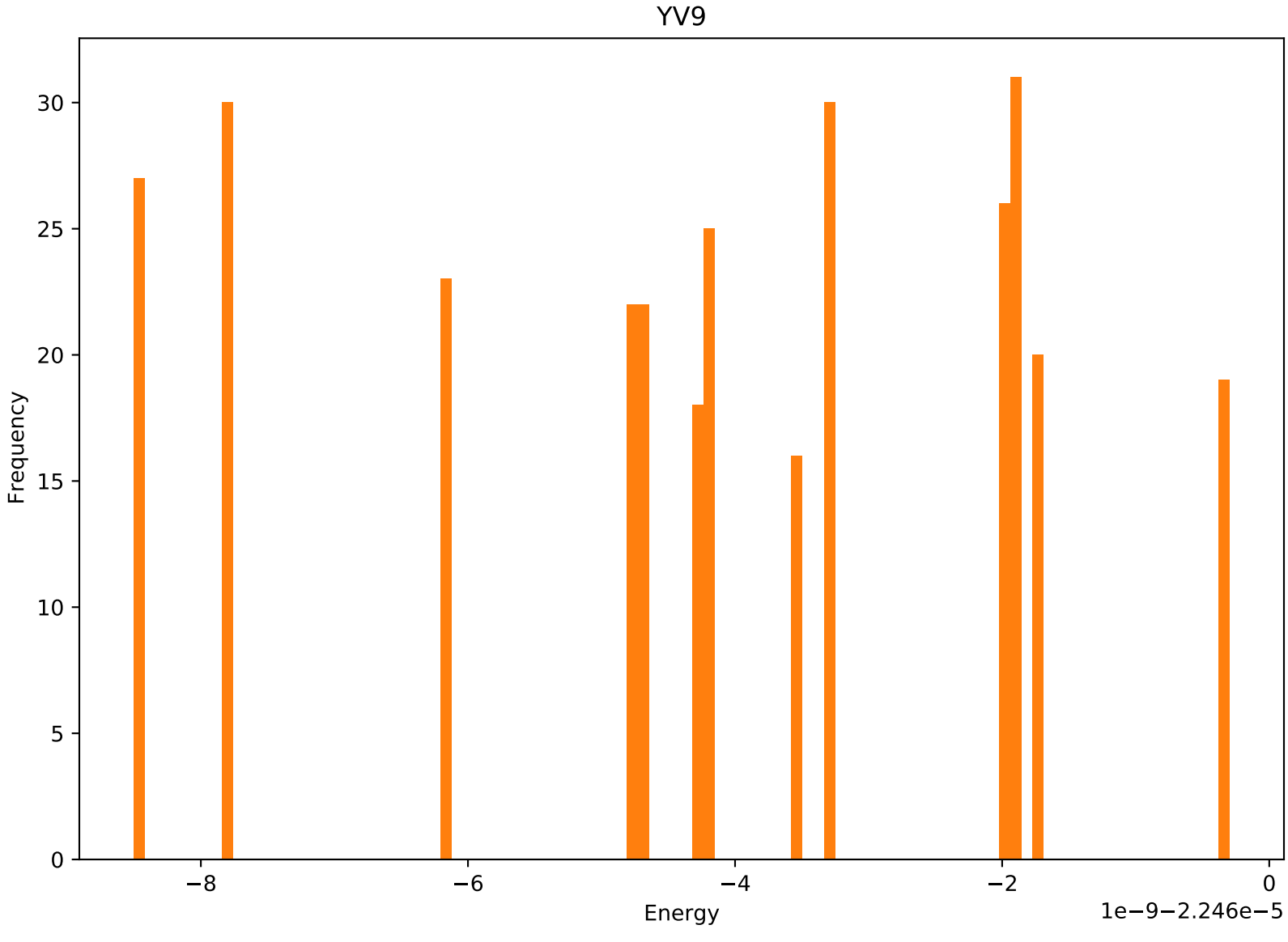

YV4
Frequency
Energy
0
50
100
150
200
250
300
−2.2
−2.0
−1.8
−1.6
−1.4
−1.2
−1.0
−0.8

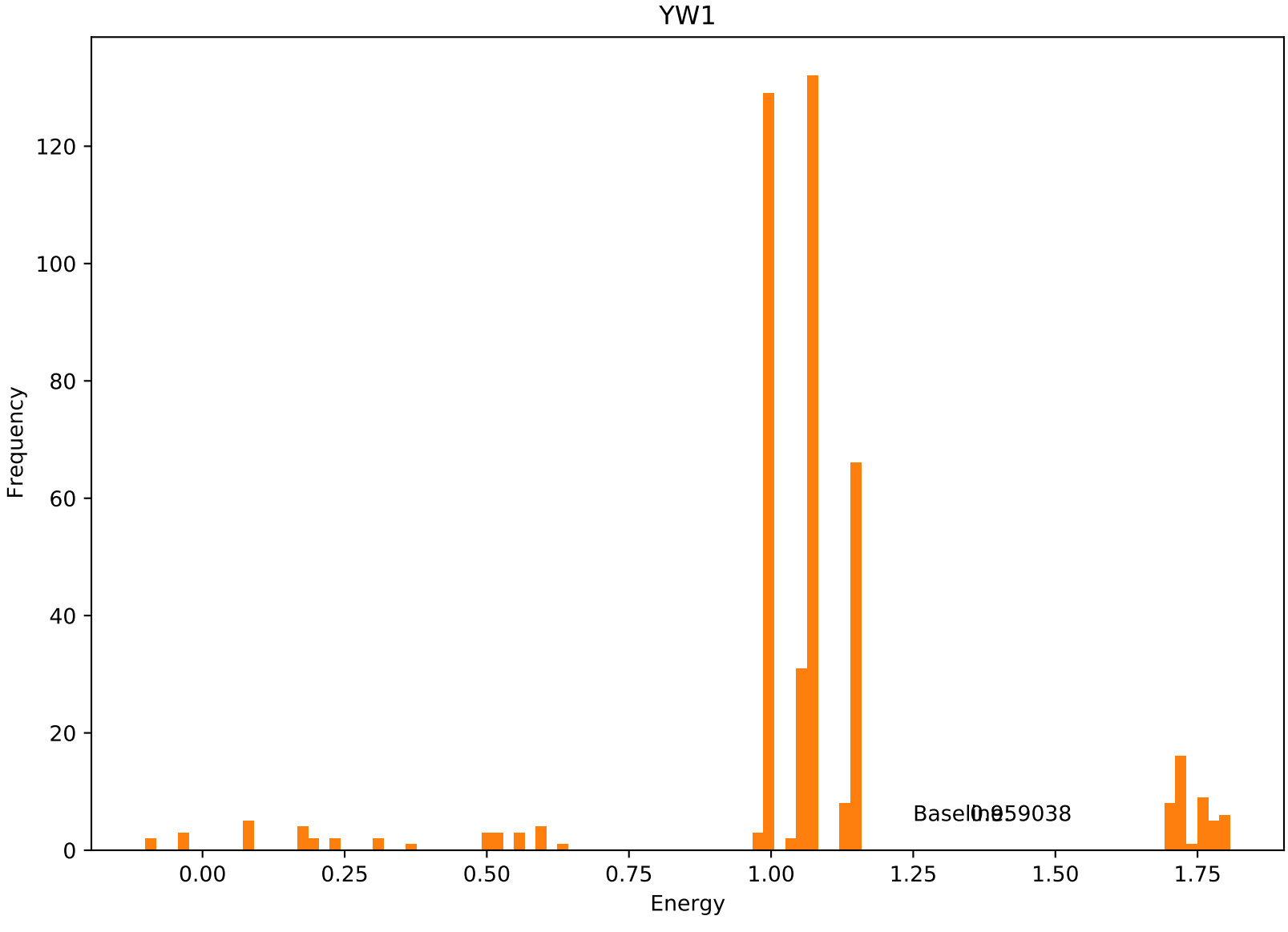

YV5
Frequency
300
250
200
150
100
50
0
−0.180
−0.175
−0.170
−0.165
−0.160
−0.155
−0.150
Energy

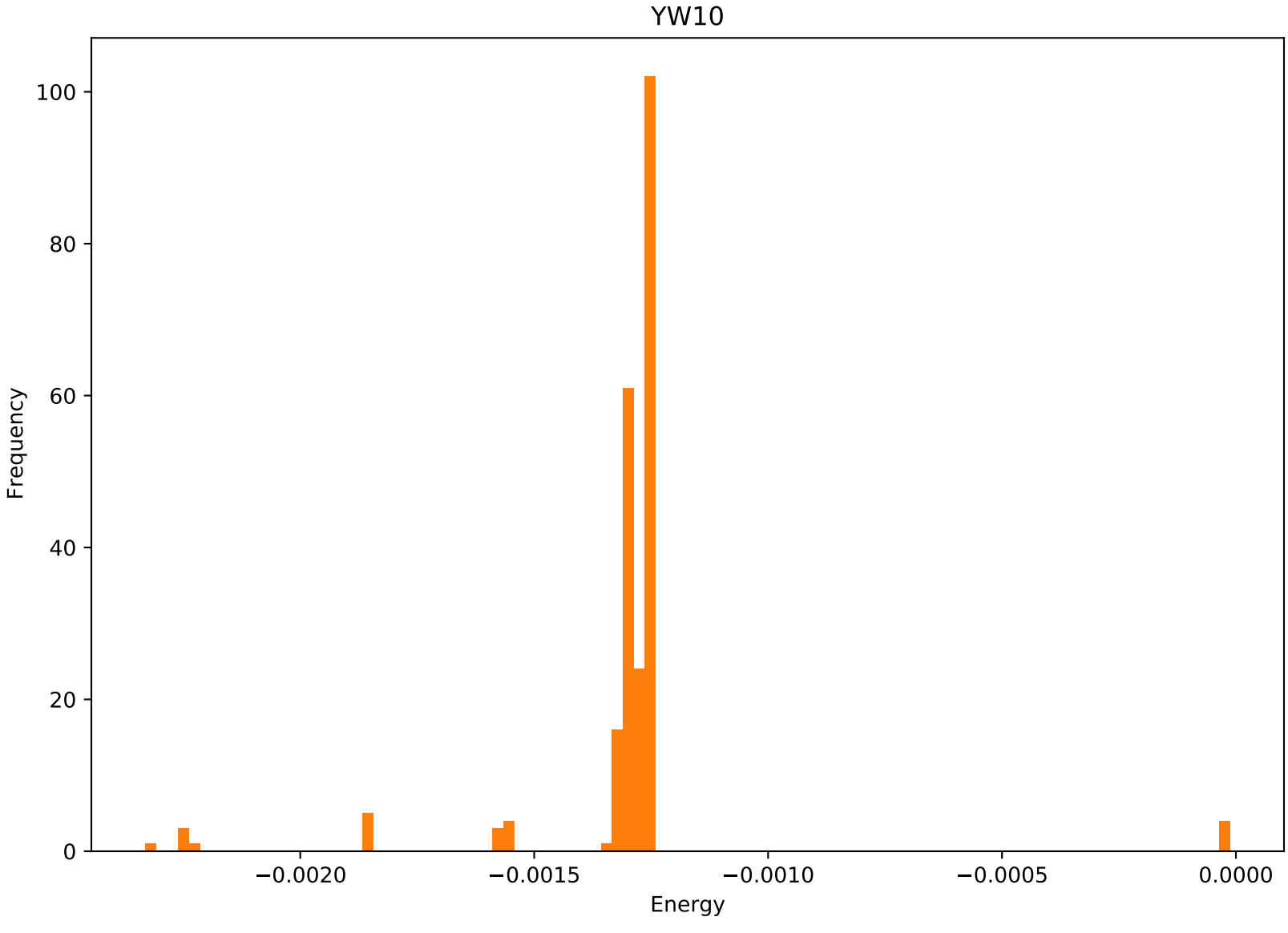

YV6
Frequency
250
200
150
100
50
0
−0.050
−0.049
−0.048
−0.047
−0.046
−0.045
−0.044
Energy

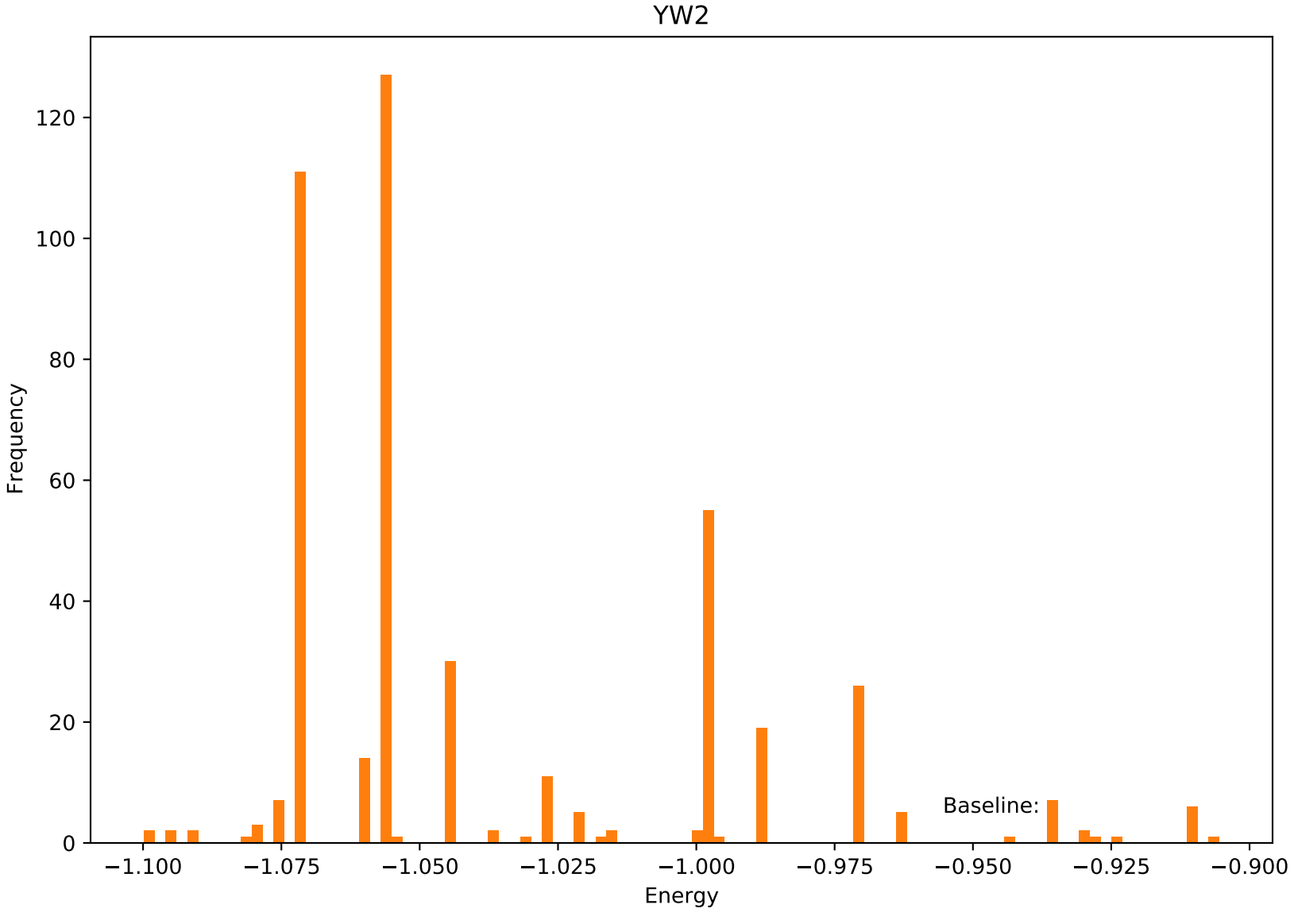

YV7
Frequency
250
200
150
100
50
0
−0.075
−0.070
−0.065
−0.060
−0.055
−0.050
−0.045
−0.040
−0.035
Energy

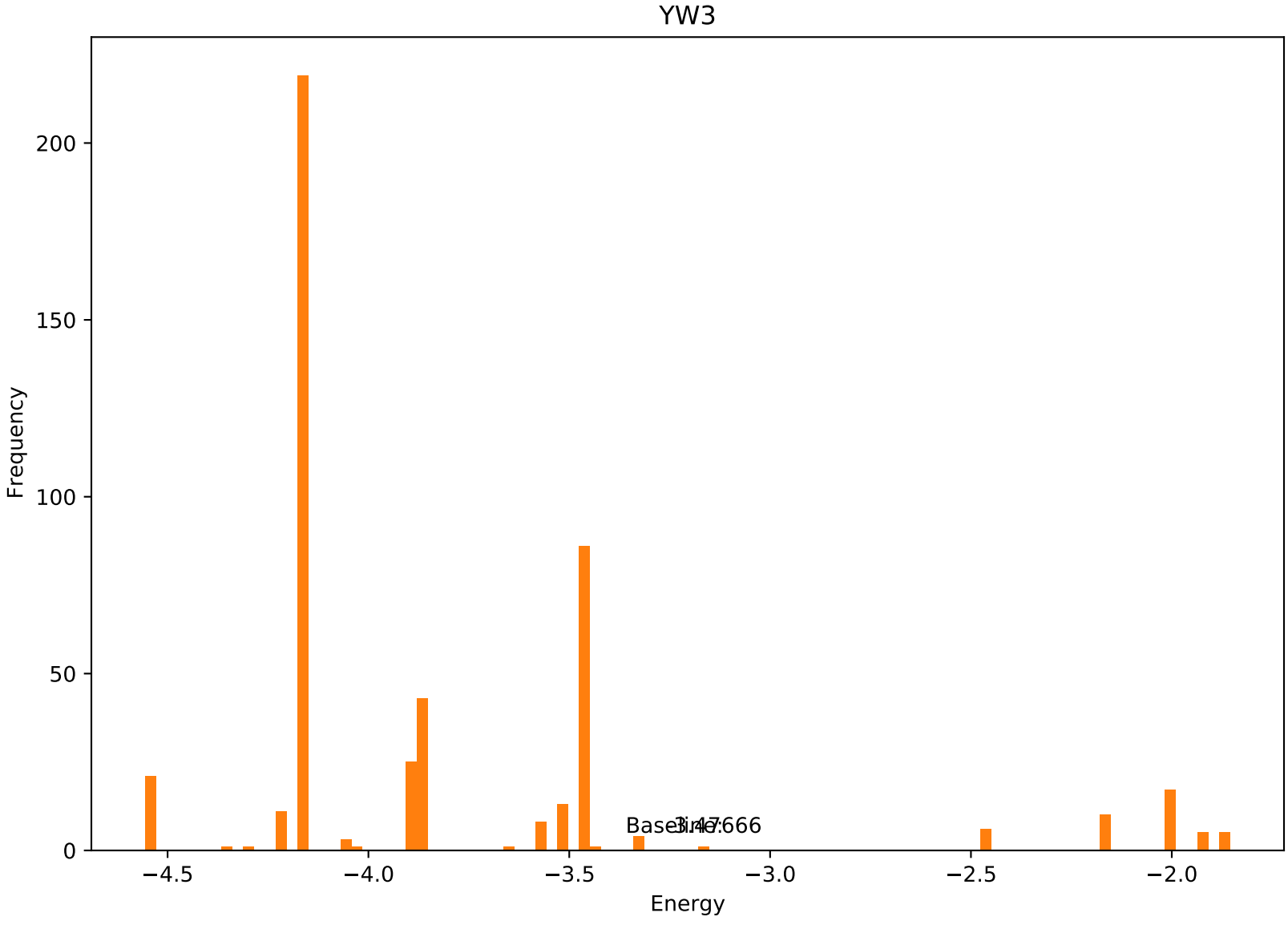

YV8
Frequency
300
250
200
150
100
50
0
−0.014
−0.013
−0.012
−0.011
−0.010
−0.009
−0.008
−0.007
Energy

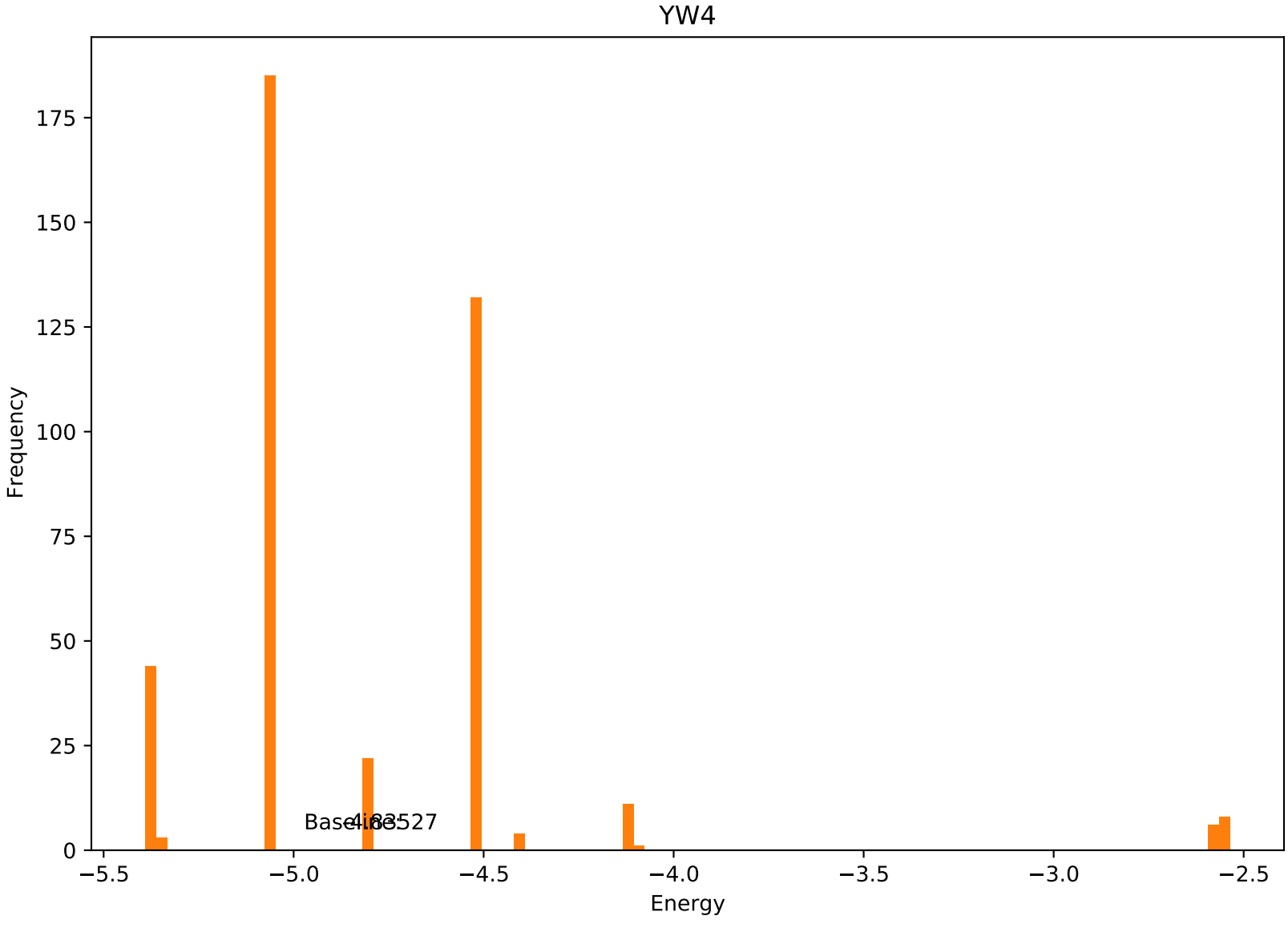

YV9
Frequency
0
5
10
15
20
25
30
−8
−6
−4
−2
0
Energy
1e−9−2.246e−5

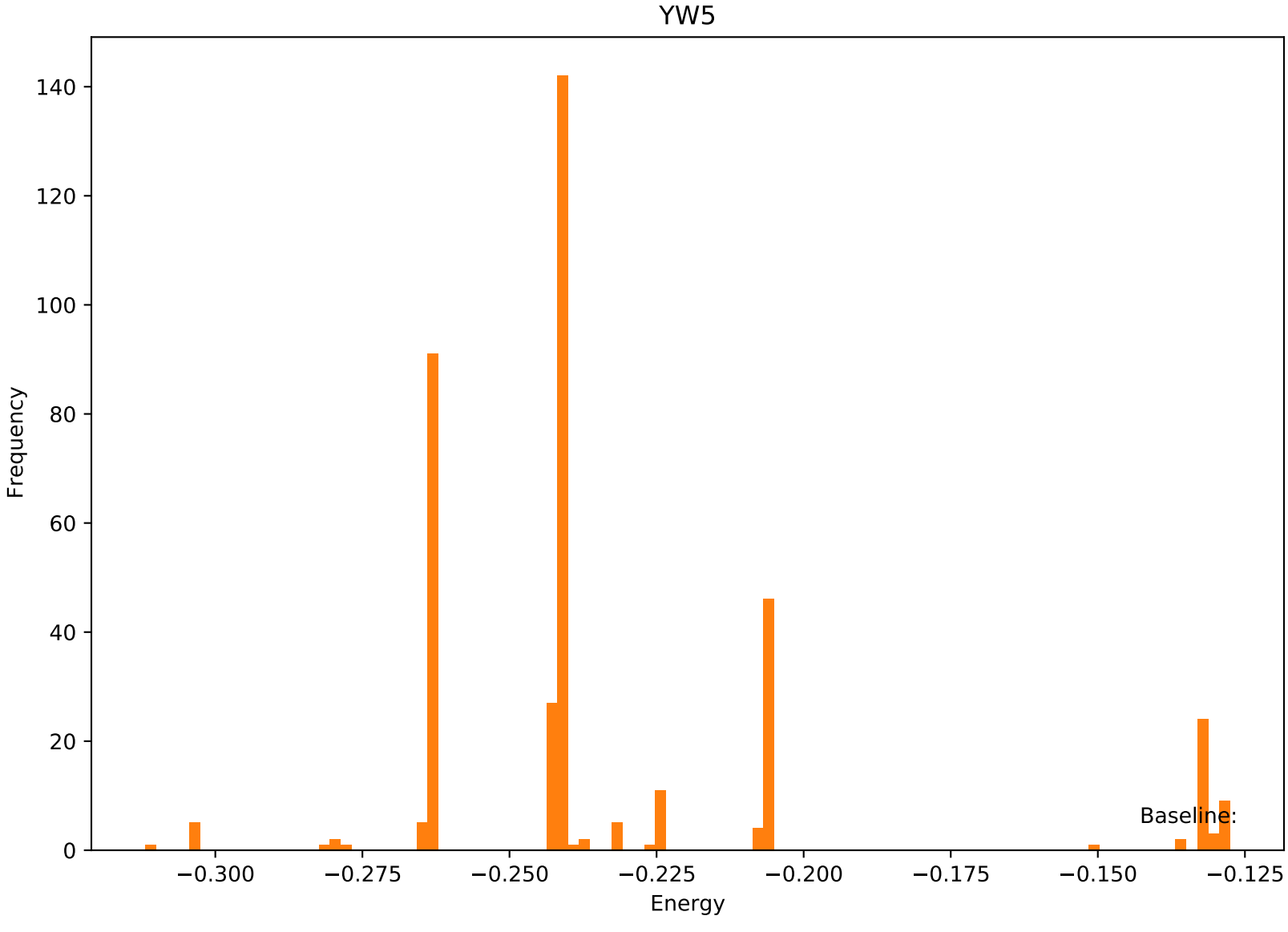

YW1
Frequency
120
100
80
60
40
20
0
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
Energy
Baseline
0.059038

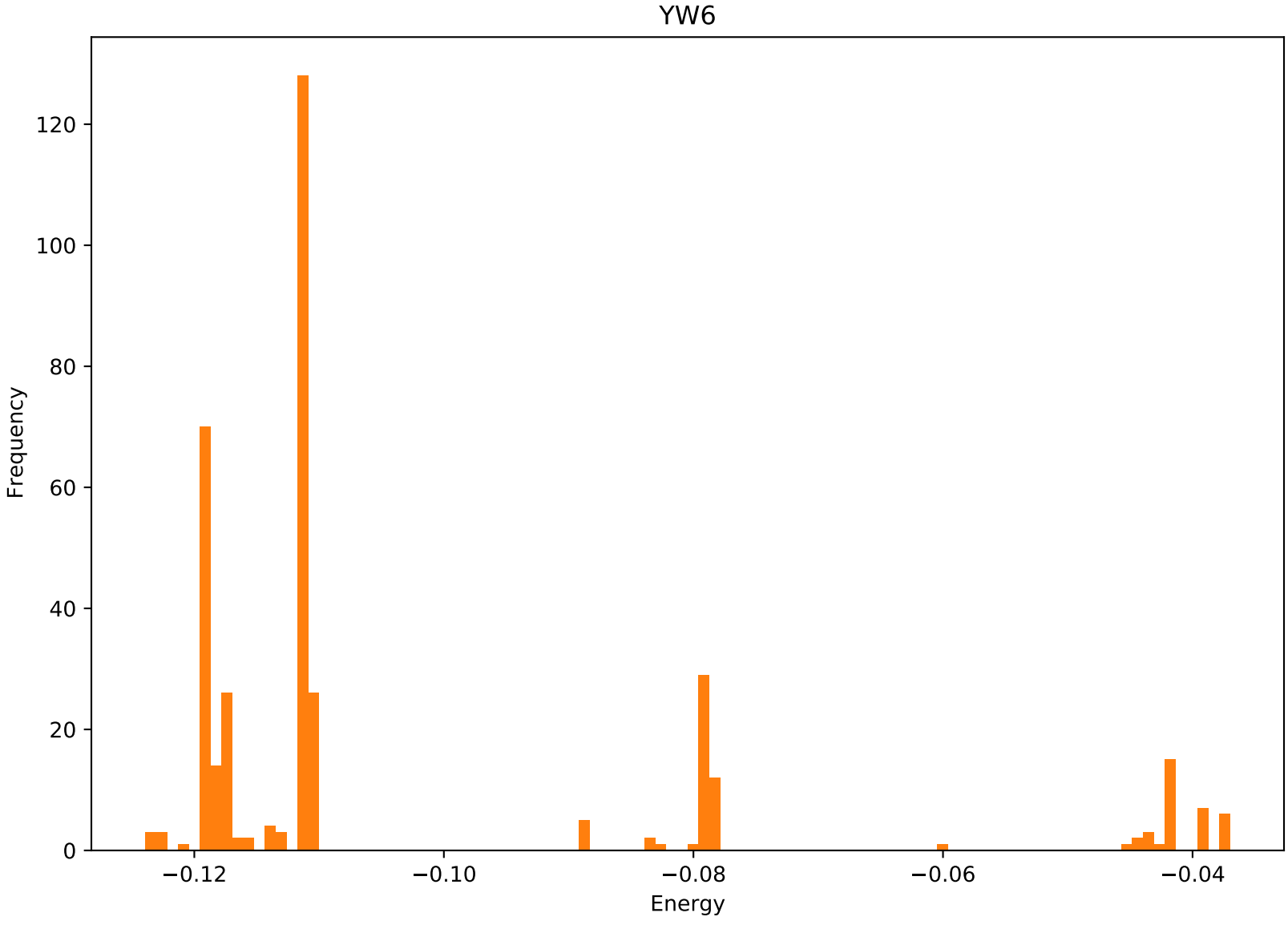

YW10
Frequency
Energy
0
20
40
60
80
100
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

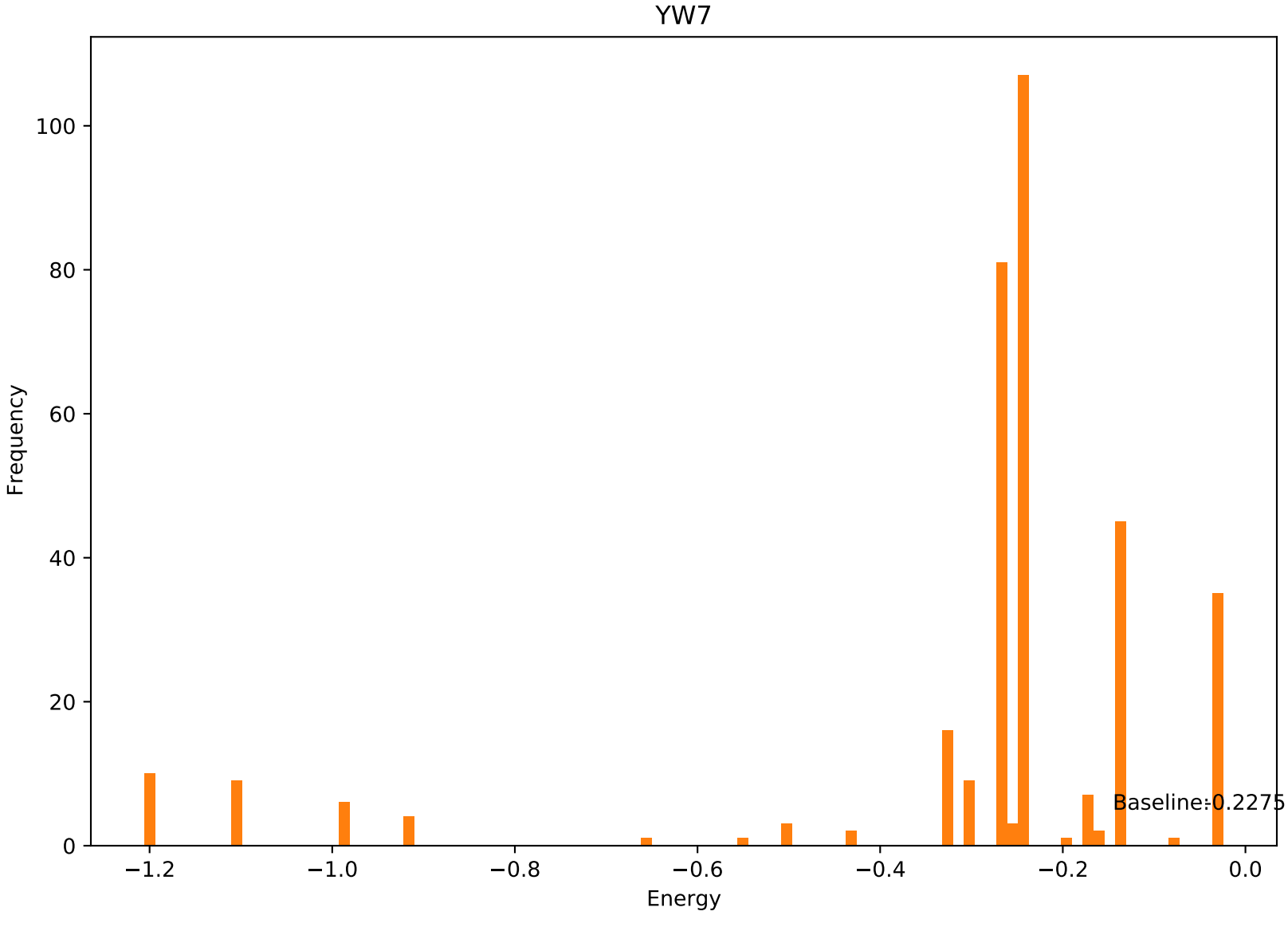

YW2
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
−1.100
−1.075
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900

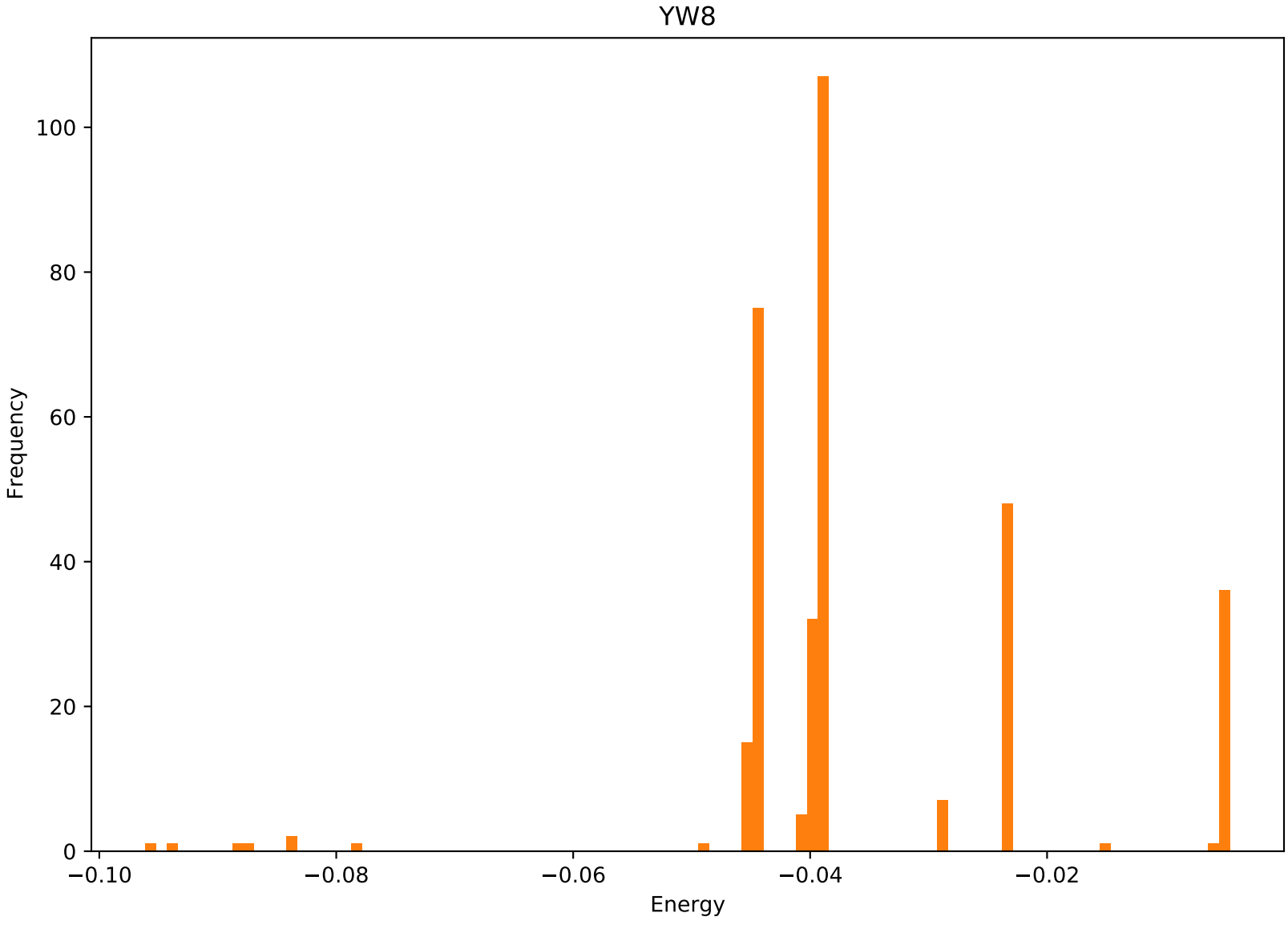

YW3
Frequency
Energy
200
150
100
50
0
−4.5
−4.0
−3.5
−3.0
−2.5
−2.0

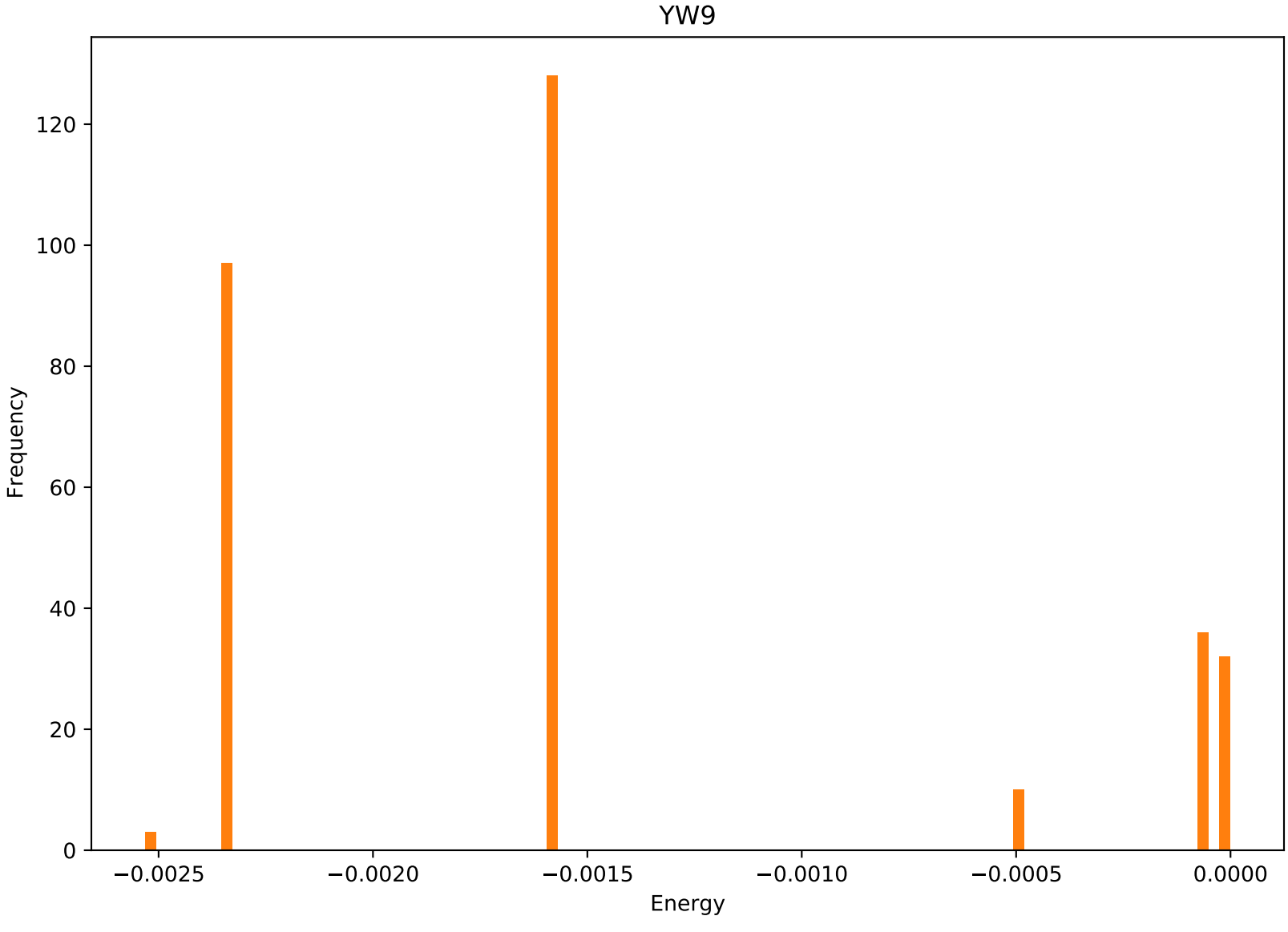

YW4
Frequency
Energy
0
25
50
75
100
125
150
175
−5.5
−5.0
−4.5
−4.0
−3.5
−3.0
−2.5

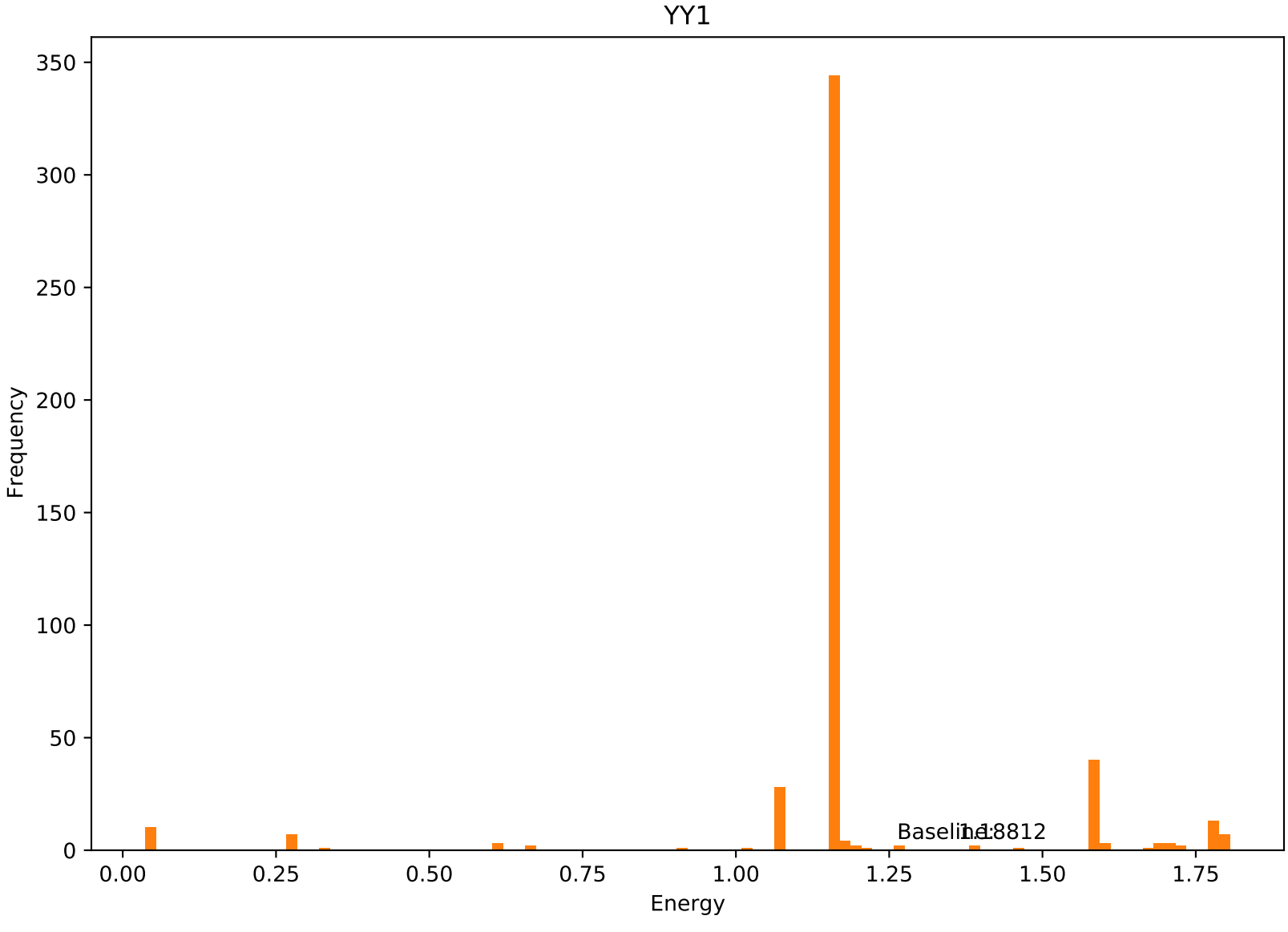

YW5
Frequency
Energy
Baseline:
0
20
40
60
80
100
120
140
−0.300
−0.275
−0.250
−0.225
−0.200
−0.175
−0.150
−0.125

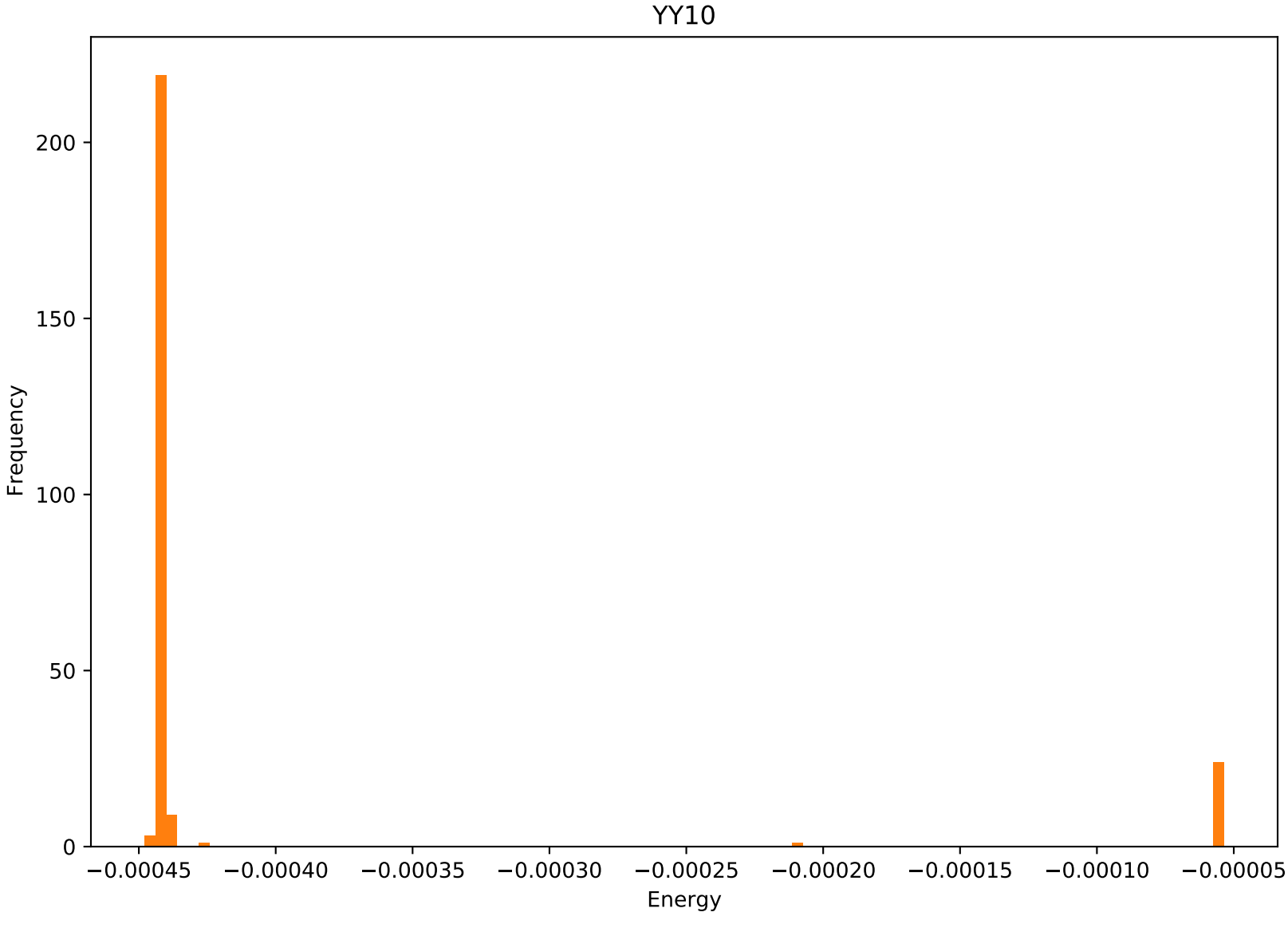

YW6
Frequency
120
100
80
60
40
20
0
−0.12
−0.10
−0.08
−0.06
−0.04
Energy

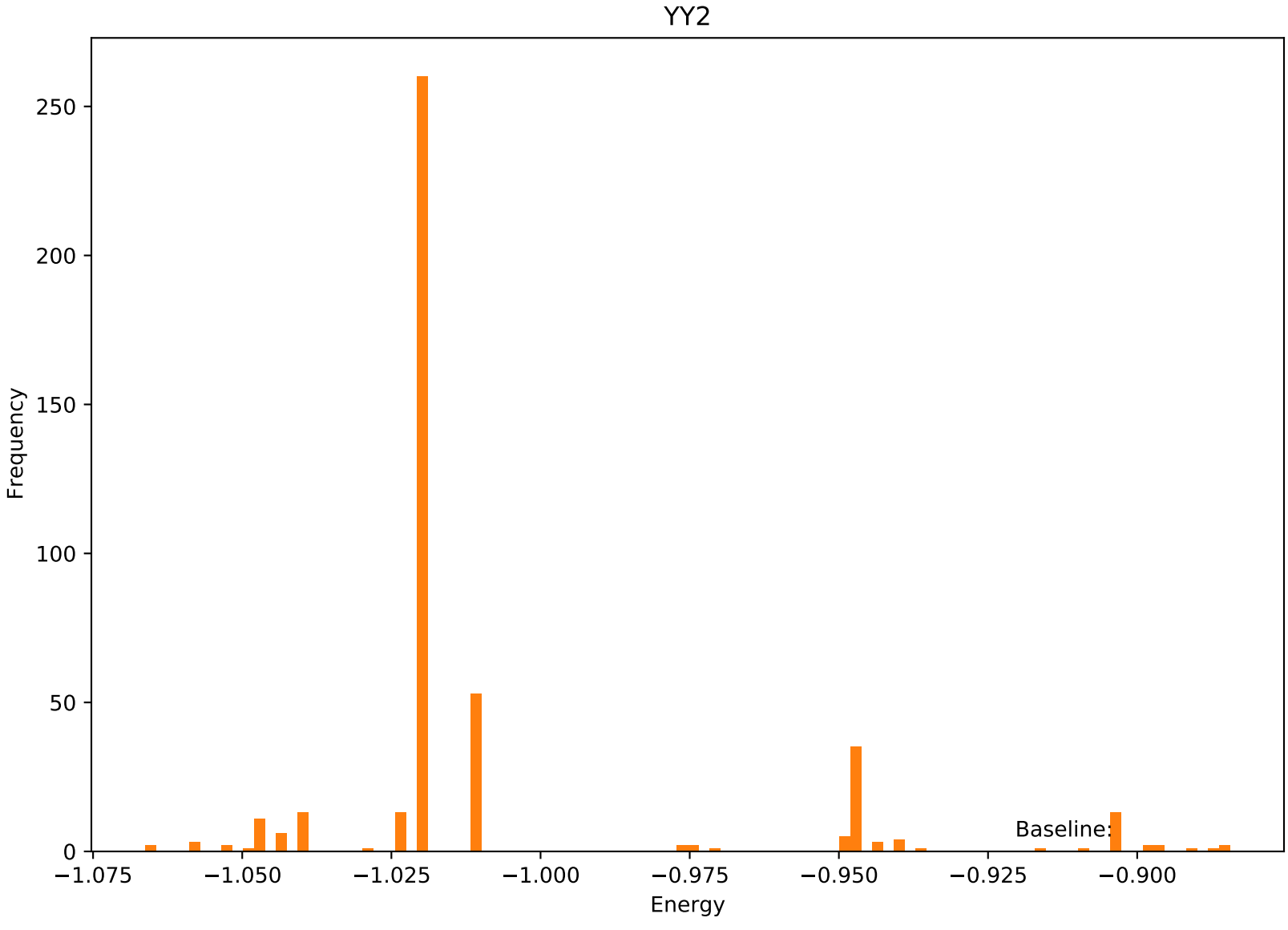

YW7
Frequency
Energy
Baseline:0.2275
0
20
40
60
80
100
−1.2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0

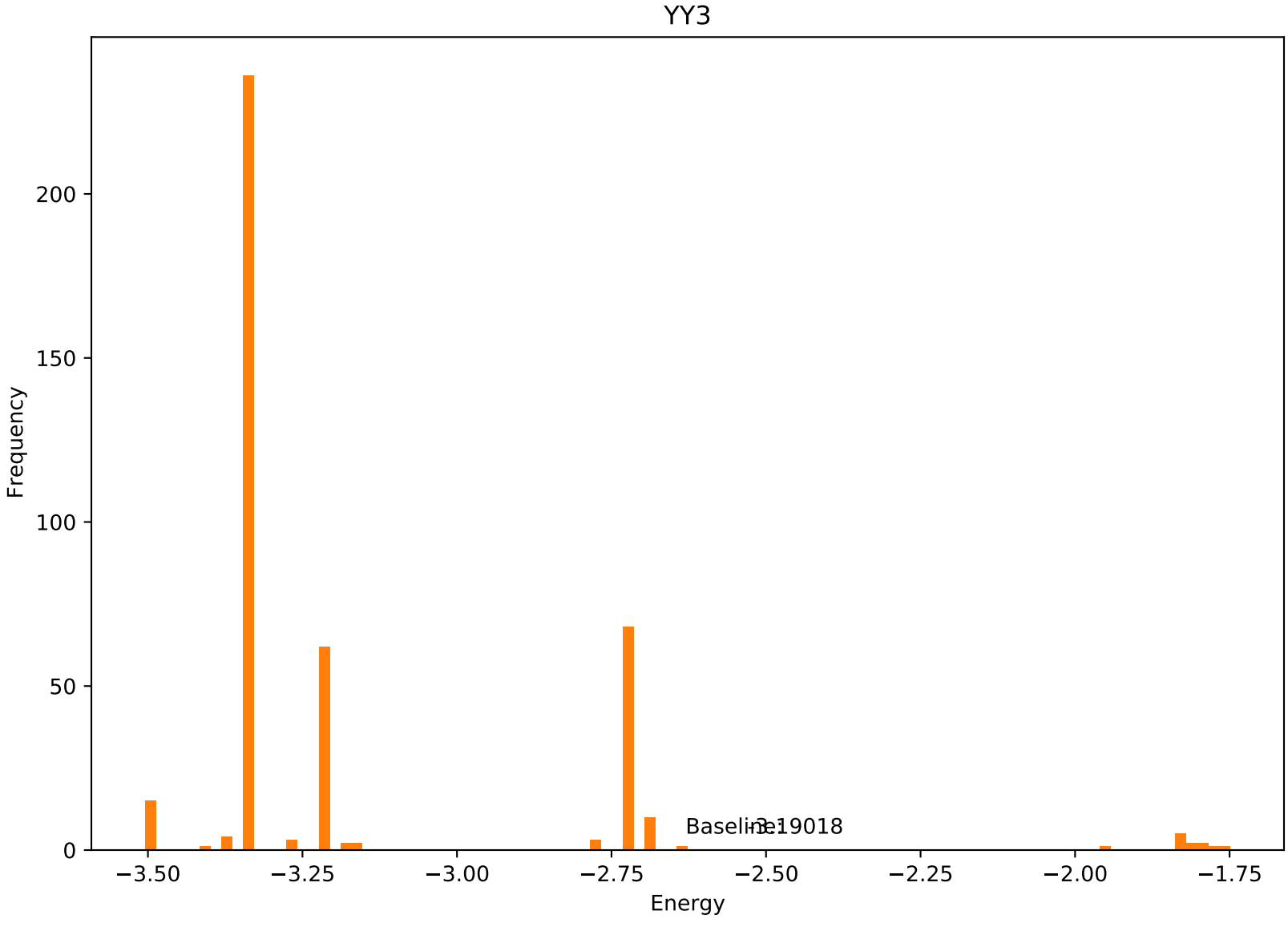

YW8
Frequency
Energy
0
20
40
60
80
100
−0.10
−0.08
−0.06
−0.04
−0.02

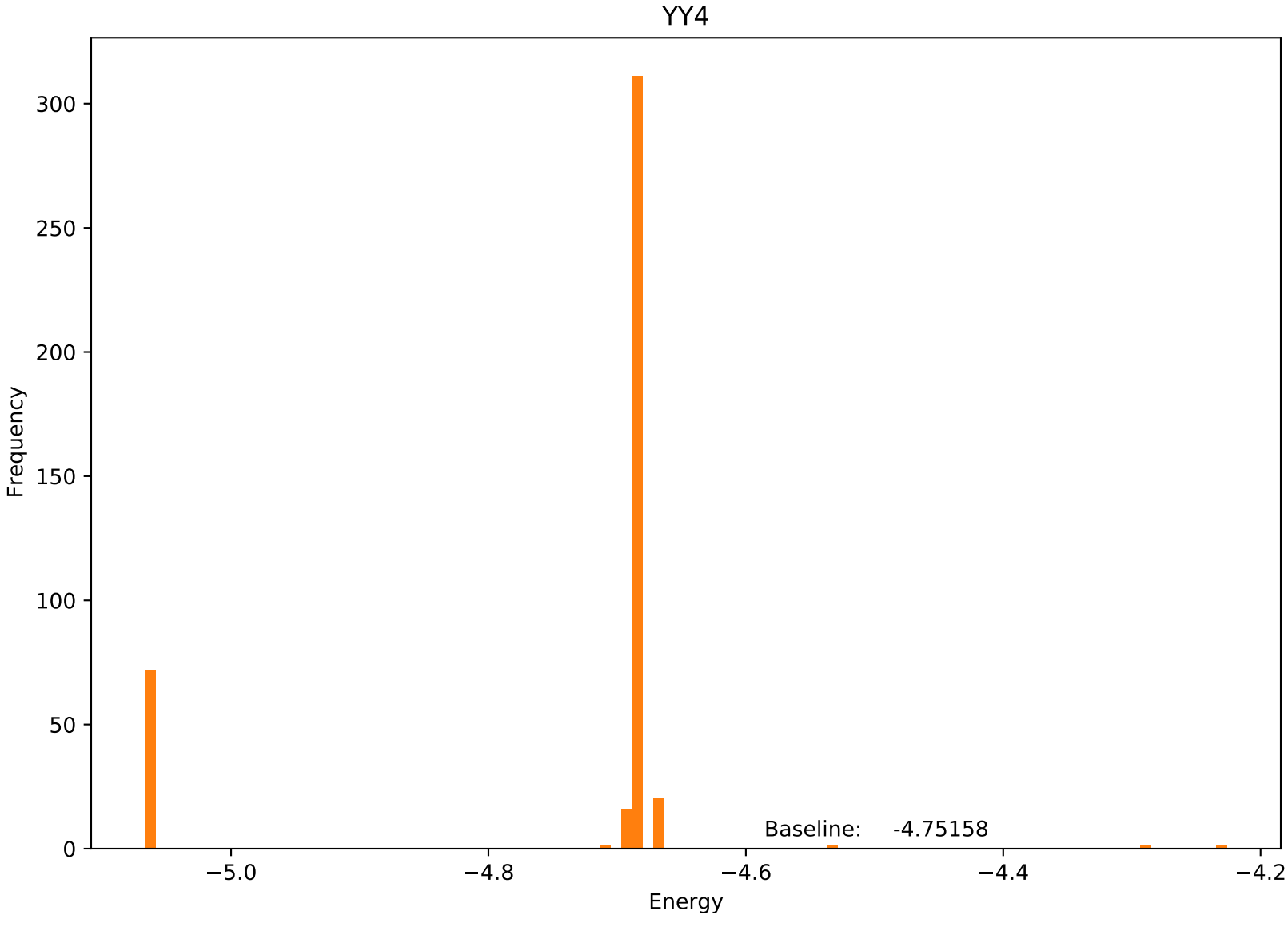

YW9
Frequency
Energy
0
20
40
60
80
100
120
−0.0025
−0.0020
−0.0015
−0.0010
−0.0005
0.0000

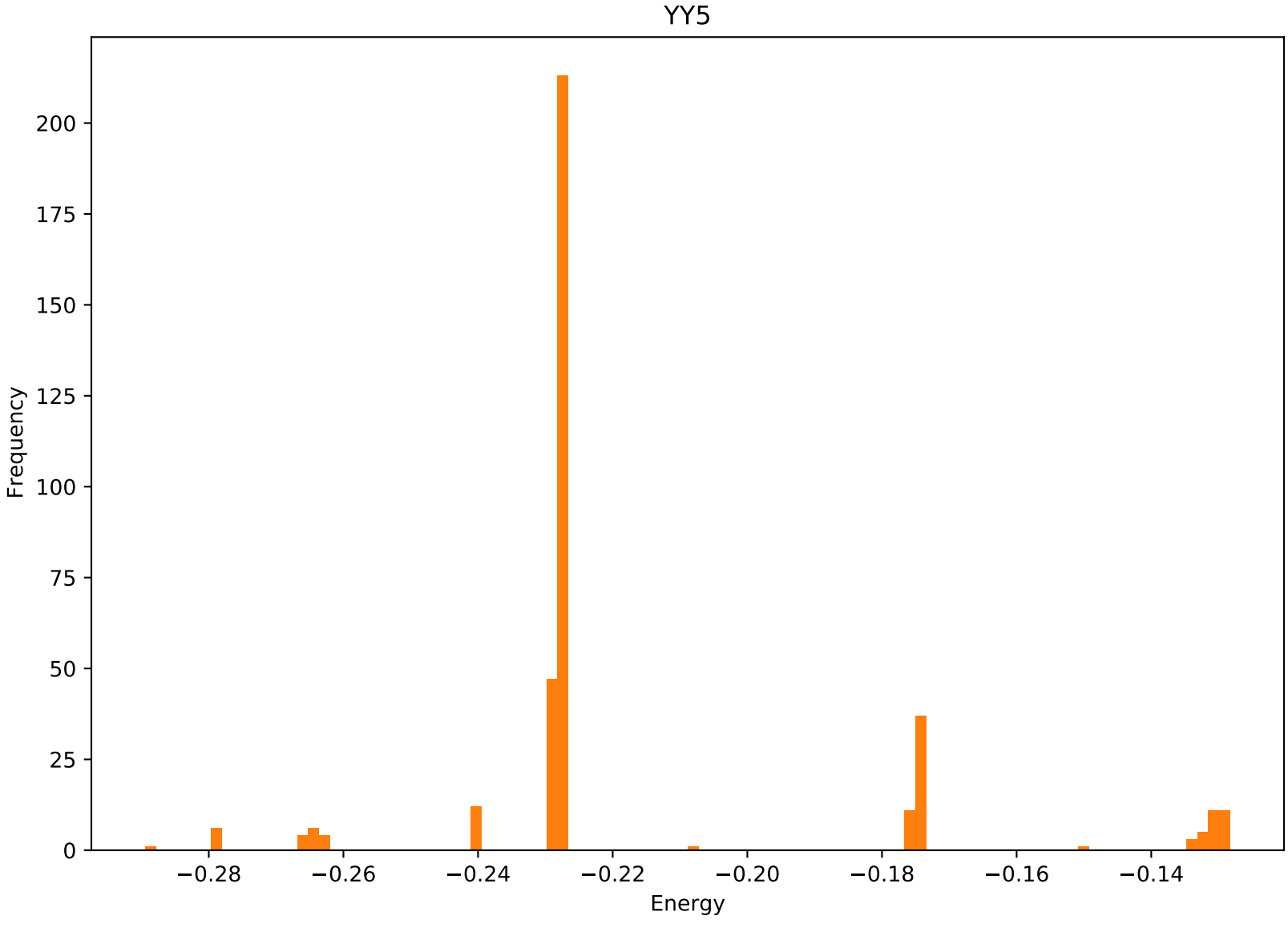

YY1
Frequency
Energy
0
50
100
150
200
250
300
350
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
Baseline:1.8812

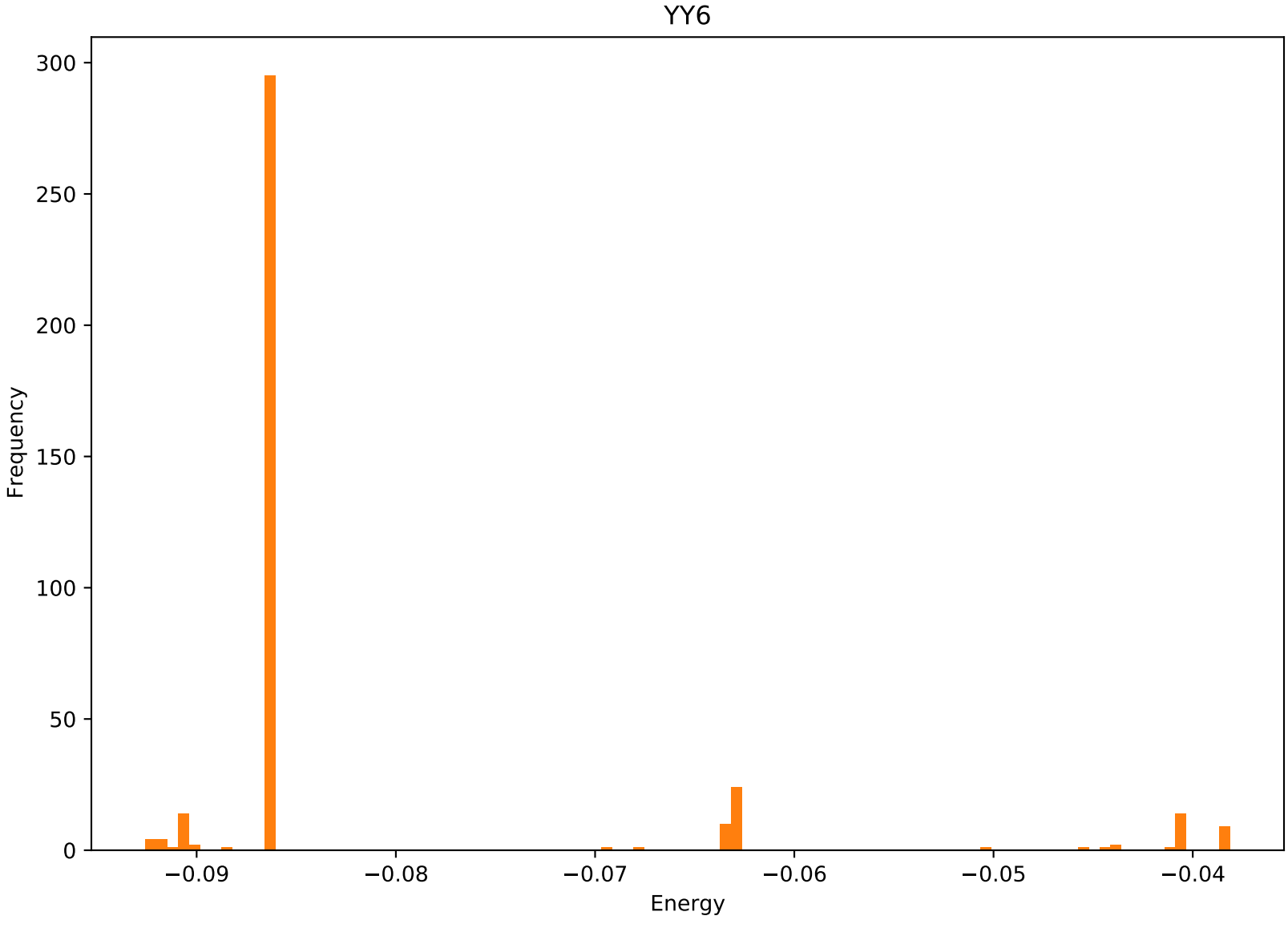

YY10
Frequency
200
150
100
50
0
−0.00045
−0.00040
−0.00035
−0.00030
−0.00025
−0.00020
−0.00015
−0.00010
−0.00005
Energy

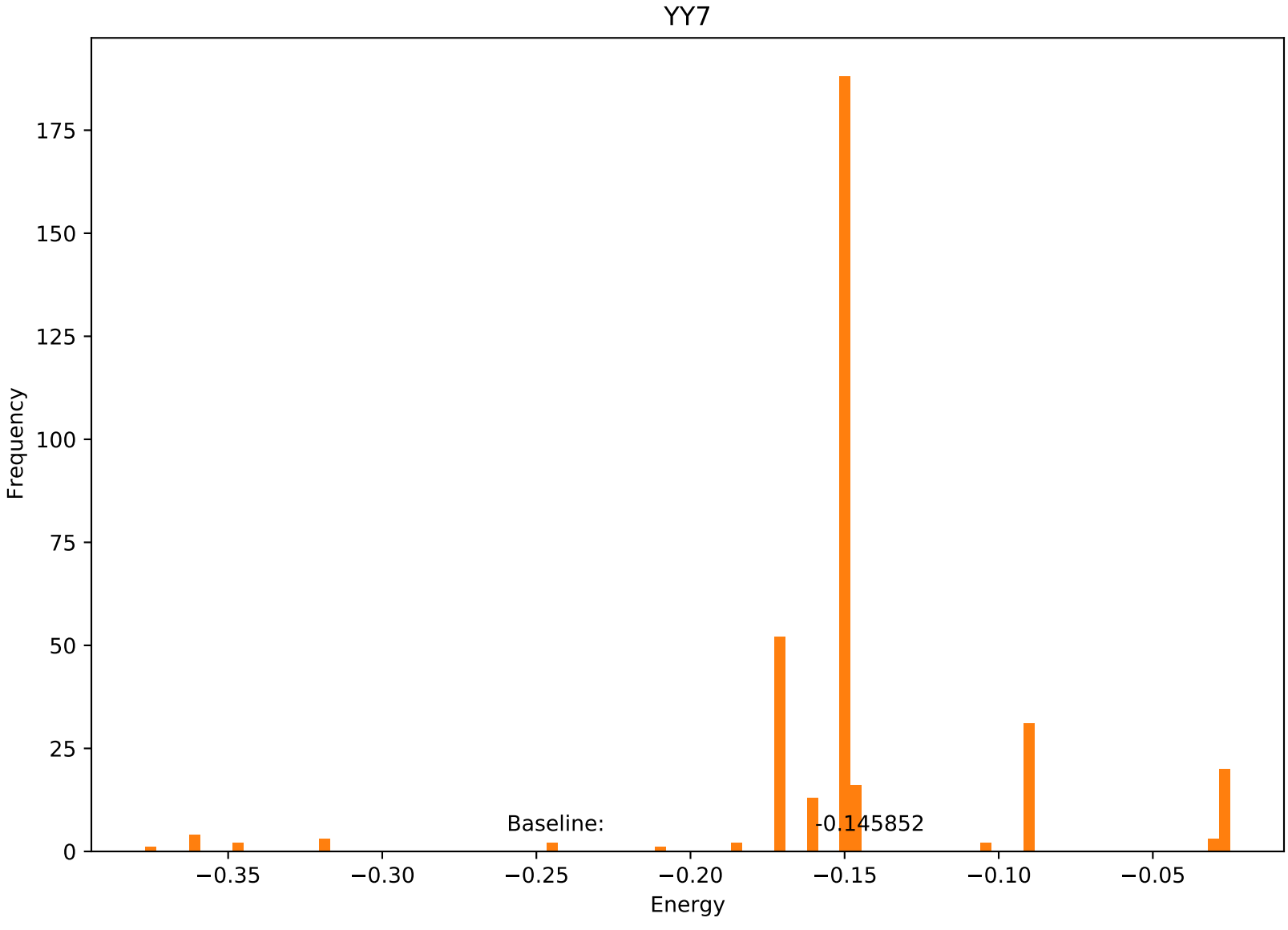

YY2
Frequency
250
200
150
100
50
0
−1.075
−1.050
−1.025
−1.000
−0.975
−0.950
−0.925
−0.900
Energy
Baseline:

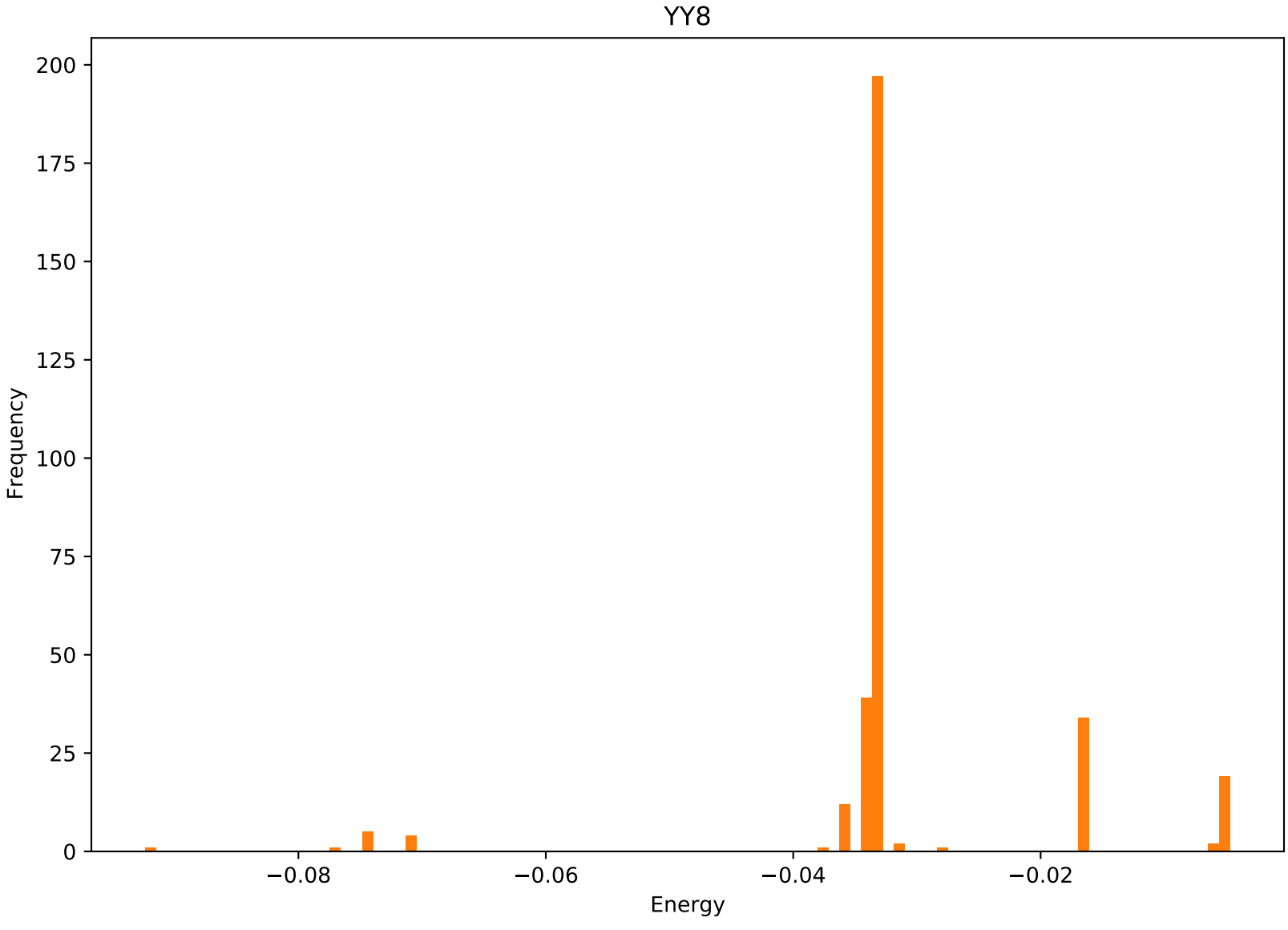

YY3
Frequency
200
150
100
50
0
−3.50
−3.25
−3.00
−2.75
−2.50
−2.25
−2.00
−1.75
Energy
Baseline: -3.19018


YY4
Frequency
300
250
200
150
100
50
0
−5.0
−4.8
−4.6
−4.4
−4.2
Energy
Baseline: -4.75158


YY5
Frequency
200
175
150
125
100
75
50
25
0
−0.28
−0.26
−0.24
−0.22
−0.20
−0.18
−0.16
−0.14
Energy


YY6
Frequency
Energy
300
250
200
150
100
50
0
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04


YY7
Frequency
175
150
125
100
75
50
25
0
−0.35
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
Energy
Baseline:
-0.145852


YY8
Frequency
200
175
150
125
100
75
50
25
0
−0.08
−0.06
−0.04
−0.02
Energy