^{111}Sn $Z = 50$ $N = 61$ adopted link ENSDF link

Based on ENSDF from Apr 2024, and mass evaluation from 2020

BE = 942.737 (0.005) MeV
Qbeta+ = 2.453 (0.006) MeV

		Energy	T	J+		J-		J-other		T1/2	
111SN	1	0.000		7/2+					1	35.3 M	6
111SN	2	0.154		5/2+					2		
111SN	3	0.255		1/2+					3	12.5 US	10
111SN	4	0.644		3/2+					4		
111SN	5	0.755		5/2+					5		
111SN	6				0.979	11/2-			6	10.0 NS	5
111SN	7	1.033		3/2+					7		
111SN	8	1.107		1/2+					8		
111SN	9						1.152	3/2+,5/2+	9		
111SN	10	1.236		(9/2)					10		
111SN	11	1.277		7/2+					11	0.3 NS	2
111SN	12	1.302		5/2+					12		
111SN	13	1.348		11/2+					13		
S-alpha=		1.373 (0.006)									
111SN	14						1.417		14		
111SN	15						1.432	3/2+,5/2+	15		
111SN	16	1.478		9/2+					16		
111SN	17	1.577		5/2+					17		
111SN	18						1.693	(3/2+,5/2+)	18		
111SN	19	1.732		1/2+					19		
111SN	20						1.805		20		
111SN	21	1.823		7/2+					21		
111SN	22						1.866	(3/2+,5/2+)	22		
111SN	23						1.890	7/2+,9/2+	23		
111SN	24						1.928	9/2-,11/2-	24		
111SN	25						1.956	(3/2+,5/2+)	25		
111SN	26						1.988		26		
111SN	27						1.996	(3/2+,5/2+)	27		
111SN	28	2.030		3/2+					28		
111SN	29				2.062	15/2-			29		
111SN	30	2.065		15/2+					30	0.52 NS	9
111SN	31	2.090		(9/2+					31		
111SN	32						2.092	(1/2-,3/2-)	32		
111SN	33	2.100		(13/2+					33		
111SN	34				2.140	1/2-			34		
111SN	35						2.188	(11/2,13/2)	35		
111SN	36						2.192		36		

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111SN  37 |                |                |   2.217                     37
111SN  38 |  2.257     (17/2|+               |                             38  4 NS      GE
111SN  39 |                |                |   2.275                     39
111SN  40 |  2.284     (5/2)|                |                             40
-----------                                                                -----------------
111SN  41 |  2.313     (7/2+|                |                             41
111SN  42 |                |                |   2.363     9/2+,11/2+,13/2+ 42
111SN  43 |                |                |   2.374                     43
111SN  44 |                |                |   2.386     (13/2)          44
111SN  45 |                |                |   2.395                     45
111SN  46 |                |                |   2.433                     46
111SN  47 |  2.466     5/2+ |                |                             47
111SN  48 |  2.505     7/2+ |                |                             48
111SN  49 |  2.523     (15/2|+               |                             49
111SN  50 |                |                |   2.533     (7/2+,9/2+)     50
-----------                                                                -----------------
111SN  51 |                |                |   2.544                     51
111SN  52 |                |                |   2.600     (1/2-,3/2-)     52
111SN  53 |                |                |   2.639                     53
111SN  54 |                |                |   2.666                     54
111SN  55 |                |                |   2.690                     55
111SN  56 |  2.715     1/2+ |                |                             56
111SN  57 |                |                |   2.738                     57
111SN  58 |                |                |   2.786     3/2+,5/2+       58
111SN  59 |                |                |   2.804                     59
111SN  60 |                |                |   2.824     3/2+,5/2+       60
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111SN  61 |                |                |   2.867                     61
111SN  62 |                |                |   2.910                     62
111SN  63 |                |   2.984     19/2-                            63  0.15 NS   10
111SN  64 |                |                |   3.014     7/2+,9/2+       64
111SN  65 |                |   3.124     19/2-                            65
111SN  66 |                |   3.228     19/2-                            66
111SN  67 |                |                |   3.238                     67
111SN  68 |                |                |   3.263     1/2-,3/2-       68
111SN  69 |                |   3.306     19/2-                            69
111SN  70 |                |   3.323     21/2-                            70
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111SN  71 |                |                |   3.443     7/2+,9/2+       71
111SN  72 |                |   3.459     23/2-                            72
111SN  73 |                |                |   3.496     1/2-,3/2-       73
111SN  74 |                |                |   3.513                     74
111SN  75 |                |                |   3.559                     75
111SN  76 |                |                |   3.582                     76
111SN  77 |                |   3.620     23/2-                            77
111SN  78 |                |                |   3.622     7/2+,9/2+       78
111SN  79 |                |                |   3.661     1/2-,3/2-       79
111SN  80 |                |                |   3.694     1/2-,3/2-       80
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111SN  81 |                |                |   3.712     7/2+,9/2+       81
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111SN  82 |                |                |   3.758     7/2+,9/2+        82
111SN  83 |                |   3.789     (23/2)-                           83
111SN  84 |                |                |   3.815     7/2+,9/2+        84
111SN  85 |                |                |   3.830     7/2+,9/2+        85
111SN  86 |                |                |   3.865     7/2+,9/2+        86
111SN  87 |                |                |   3.952     (1/2-,3/2-)      87
111SN  88 |                |                |   3.955     (23/2)           88
111SN  89 |                |                |   3.971                      89
111SN  90 |                |                |   4.011                      90
-----------                                                                 -----------------
111SN  91 |                |                |   4.029     (1/2-,3/2-)      91
111SN  92 |                |   4.074     23/2-                             92
111SN  93 |                |                |   4.079     7/2+,9/2+        93
111SN  94 |                |                |   4.130     7/2+,9/2+        94
111SN  95 |                |                |   4.145                      95
111SN  96 |                |   4.156     25/2-                             96
111SN  97 |                |                |   4.176     7/2+,9/2+        97
111SN  98 |                |                |   4.192     7/2+,9/2+        98
111SN  99 |                |                |   4.232     7/2+,9/2+        99
111SN 100 |                |                |   4.259                     100
-----------                                                                 -----------------
111SN 101 |                |                |   4.286                     101
111SN 102 |                |                |   4.311     1/2-,3/2-       102
111SN 103 |                |                |   4.332     1/2-,3/2-       103
111SN 104 |                |                |   4.369     (1/2-,3/2-)     104
111SN 105 |                |                |   4.393                     105
111SN 106 |                |                |   4.416                     106
111SN 107 |                |   4.446     25/2-                            107
111SN 108 |                |                |   4.448                     108
111SN 109 |                |                |   4.483                     109
111SN 110 |                |                |   4.511                     110
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111SN 111 |                |                |   4.556     1/2-,3/2-       111
111SN 112 |                |                |   4.580     1/2-,3/2-       112
111SN 113 |                |                |   4.617                     113
111SN 114 |                |   4.839     27/2-                            114
111SN 115 |                |   4.877     27/2-                            115  0.49 PS   +2-3
111SN 116 |                |                |   4.989     (27/2)          116
111SN 117 |                |   5.746     31/2-                            117  0.173 PS  14
111SN 118 |                |                |   5.767     (29/2,31/2)     118
111SN 119 |                |                |   6.131     (31/2)          119
111SN 120 |                |   6.689     35/2-                            120  0.152 PS  14
-----------                                                                 -----------------
S-p    =   6.758 ( 0.013)-----------------------------------------------------------------------
111SN 121 |                |                |   6.843     (31/2,33/2)     121
111SN 122 |                |   7.684     39/2-                            122  0.159 PS  21
S-n    =   8.168 ( 0.015)-----------------------------------------------------------------------
111SN 123 |                |   8.738     43/2-                            123  0.125 PS  +21-14
111SN 124 |                |   9.860     47/2-                            124  0.14 PS   LT
111SN 125 |                |  11.082     (51/2-)                          125
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S-2p   =  12.012 ( 0.006)-----------------------------------------------------------------
111SN 126 |                 |  12.449     (55/2-)                           126
111SN 127 |                 |  13.984     (59/2-)                           127
111SN 128 |                 |  15.743     (63/2-)                           128
111SN 129 |                 |  17.813     (67/2-)                           129


S-p    =   6.758 ( 0.013)-----------------------------------------------------------------
S-n    =   8.168 ( 0.015)-----------------------------------------------------------------
S-2p   =  12.012 ( 0.006)-----------------------------------------------------------------
S-2n   =  19.451 ( 0.010)-----------------------------------------------------------------
S-alpha=   1.373 ( 0.006)-----------------------------------------------------------------

S+p       =  -2.949 ( 0.019)
S+n       = -10.788 ( 0.005)
S+2p      =  -6.986 ( 0.028)
S+2n      = -18.532 ( 0.006)
S+alpha   =   1.451 ( 0.028)

gap p     =   3.808 ( 0.023)
gap n     =  -2.620 ( 0.016)
gap 2p    =   5.026 ( 0.029)
gap 2n    =   0.919 ( 0.011)
gap alpha =   2.824 ( 0.029)
```