^{112}In $Z = 49$ $N = 63$ adopted link   ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

```
BE    =    953.643 ( 0.004) MeV
Qbeta- =     0.665 ( 0.004) MeV
Qbeta+ =     2.585 ( 0.004) MeV
```

		Energy T	J+	J-	J-other		T1/2	
112IN	1	0.000	1+				1 14.88 M	15
112IN	2	0.157	4+				2 20.67 M	8
112IN	3				0.163	(5)+	3	
112IN	4				0.207	(2)+	4	
112IN	5				0.351	(7)+	5 0.69 US	5
112IN	6				0.456	(3)+	6	
112IN	7				0.563	(5)+	7	
112IN	8				0.592	(4)+	8	
112IN	9	0.595	2+				9	
112IN	10				0.614	(8)-	10 2.81 US	3
112IN	11				0.624	(7+)	11	
112IN	12				0.670	(8+)	12	
112IN	13				0.676	(6+)	13	
112IN	14				0.729	(1,2)-	14	
112IN	15				0.730	(3)+	15	
112IN	16				0.790	(6,7,8)+	16	
112IN	17				0.795	(5)+	17	
112IN	18				0.801	(9-)	18	
112IN	19				0.822	(5+)	19	
112IN	20				0.833	(5,6)+	20	
112IN	21	0.884	3+				21	
112IN	22				0.919	(1,2)-	22	
112IN	23				0.925	(1,2,3)-	23	
112IN	24				0.929	(0,1,2)-	24	
112IN	25				0.955	(2,3)+	25	
112IN	26				1.003	+	26	
112IN	27				1.007	(4+)	27	
112IN	28				1.038	(0,1,2)-	28	
112IN	29	1.063	3+				29	
112IN	30				1.151	(4,5)+	30	
112IN	31				1.212	(0-,1-,2-)	31	
112IN	32				1.212	(1+,2+,3+)	32	
112IN	33				1.222	(3,4)+	33	
112IN	34				1.251	(0:3)+	34	
112IN	35				1.260	(0,1,2)-	35	
112IN	36				1.262	(0:4)+	36	

```
112IN  37 |                    |              |   1.280    (0:3)+           37
112IN  38 |                    |              |   1.286    (3,4)-           38
112IN  39 |                    |              |   1.287    (3+,4+,5+)       39
112IN  40 |                    |              |   1.338    (0,1)+           40
----------                                       ----------------
112IN  41 |                    |              |   1.389    (10-)            41
112IN  42 |                    |              |   1.398    (0:3)+           42
112IN  43 |                    |              |   1.435    (0:3)+           43
112IN  44 |                    |              |   1.473    (0:3)+           44
112IN  45 |                    |              |   1.488    (0:3)+           45
112IN  46 |                    |              |   1.529    (0:3)+           46
112IN  47 |                    |              |   1.554    (0:3)+           47
112IN  48 |                    |              |   1.608    (0,1)+           48
112IN  49 |                    |              |   1.631                     49
112IN  50 |                    |              |   1.678    (0:3)+           50
----------                                       ----------------
112IN  51 |                    |              |   1.708    (0:3)+           51
112IN  52 |                    |              |   1.741    (0:3)+           52
112IN  53 |                    |              |   1.755    (9+)             53
112IN  54 |                    |              |   1.777    (0:3)+           54
112IN  55 |                    |              |   1.872    (0:3)+           55
112IN  56 |                    |              |   1.955    (0:3)+           56
112IN  57 |                    |              |   2.012    (10)-            57
112IN  58 |                    |              |   2.067    (0:3)+           58
112IN  59 |                    |              |   2.071    (11-)            59
112IN  60 |                    |              |   2.113    (11-)            60
----------                                       ----------------
112IN  61 |                    |              |   2.115    (10+)            61
112IN  62 |                    |              |   2.172    (0:3)+           62
112IN  63 |                    |              |   2.234    (0:3)+           63
112IN  64 |                    |              |   2.375    (11-,12-)        64
112IN  65 |                    |              |   2.441                     65
112IN  66 |                    |              |   2.493    (11-)            66
112IN  67 |                    |              |   2.653    (13-)            67
112IN  68 |                    |              |   2.666    (12)-            68
112IN  69 |                    |              |   2.756    (12-)            69
112IN  70 |                    |              |   2.802    (11+)            70
----------                                       ----------------
S-alpha=   2.808 ( 0.005)---------------------------------------------------------------
112IN  71 |                    |              |   2.964    (12-)            71
112IN  72 |                    |              |   3.063    (12+)            72
112IN  73 |                    |              |   3.103    (13-)            73
112IN  74 |                    |              |   3.127    (13-)            74
112IN  75 |                    |              |   3.154    (12-)            75
112IN  76 |                    |              |   3.191    (13+)            76
112IN  77 |                    |              |   3.191    (11-,12-)        77
112IN  78 |                    |              |   3.262    (14-)            78
112IN  79 |                    |              |   3.293    (12+)            79
112IN  80 |                    |              |   3.296    (12+)            80
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112IN  81 |               |          |   3.327   (12-)         81
112IN  82 |               |          |   3.348   (13-)         82
112IN  83 |               |          |   3.369   (14+)         83
112IN  84 |               |          |   3.378   (13-)         84
112IN  85 |               |          |   3.391   [13+]         85
112IN  86 |               |          |   3.458   (15-)         86
112IN  87 |               |          |   3.523   (13+)         87
112IN  88 |               |          |   3.564   (13-)         88
112IN  89 |               |          |   3.584   (13+)         89
112IN  90 |               |          |   3.607   (15-)         90
----------                                      -----------------
112IN  91 |               |          |   3.642   (15+)         91  0.58 PS   11
112IN  92 |               |          |   3.645   (14-)         92
112IN  93 |               |          |   3.685   [14+]         93
112IN  94 |               |          |   3.770   (14-)         94
112IN  95 |               |          |   3.853   (14+)         95
112IN  96 |               |          |   3.855   (13-:15-)     96
112IN  97 |               |          |   3.863   (14-)         97
112IN  98 |               |          |   3.992   (15-)         98  0.50 PS   +25-19
112IN  99 |               |          |   4.035   (16+)         99  0.34 PS   7
112IN 100 |               |          |   4.041   (14+)        100
----------                                      -----------------
112IN 101 |               |          |   4.064   [15+]        101
112IN 102 |               |          |   4.105   (15-)        102
112IN 103 |               |          |   4.167   (15+)        103
112IN 104 |               |          |   4.170   (15+)        104
112IN 105 |               |          |   4.204   (15-)        105
112IN 106 |               |          |   4.354   (16-)        106  0.42 PS   LT
112IN 107 |               |          |   4.391   (17-)        107
112IN 108 |               |          |   4.395   (16-)        108
112IN 109 |               |          |   4.409   (15-)        109
112IN 110 |               |          |   4.452   (16+)        110
----------                                      -----------------
112IN 111 |               |          |   4.551   (16+)        111
112IN 112 |               |          |   4.552   (16-)        112
112IN 113 |               |          |   4.589   (17+)        113  0.15 PS   4
112IN 114 |               |          |   4.679   (16-)        114
112IN 115 |               |          |   4.752   (16+)        115
112IN 116 |               |          |   4.759   (17-)        116
112IN 117 |               |          |   4.823   (16-)        117
112IN 118 |               |          |   4.917   [17+]        118
112IN 119 |               |          |   5.064   (17-)        119
112IN 120 |               |          |   5.074   (17+)        120
----------                                      -----------------
112IN 121 |               |          |   5.168   (18-)        121
112IN 122 |               |          |   5.236   (19-)        122
112IN 123 |               |          |   5.273   (17-)        123
112IN 124 |               |          |   5.297   (18+)        124   0.17 PS   LT
112IN 125 |               |          |   5.537   (18+)        125
112IN 126 |               |          |   5.638   (19-)        126
```

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112IN 127 |                   |          |   5.774    (18-)        127
S-p   =   6.027 ( 0.004)-------------------------------------------------------------
112IN 128 |                   |          |   6.035    (19+)        128
112IN 129 |                   |          |   6.059    (19+)        129
112IN 130 |                   |          |   6.156    (21-)        130
----------                                          ----------------
112IN 131 |                   |          |   6.323    (19-)        131
112IN 132 |                   |          |   6.373    (20-)        132
112IN 133 |                   |          |   6.412    (20+)        133
112IN 134 |                   |          |   6.850    (21+)        134
112IN 135 |                   |          |   6.860    (20-)        135
112IN 136 |                   |          |   7.148    (23-)        136
S-n   =   7.669 ( 0.005)-------------------------------------------------------------
112IN 137 |                   |          |   8.328    (25-)        137


S-p    =   6.027 ( 0.004)-------------------------------------------------------------
S-n    =   7.669 ( 0.005)-------------------------------------------------------------
S-2p   =  15.111 ( 0.004)-------------------------------------------------------------
S-2n   =  17.663 ( 0.012)-------------------------------------------------------------
S-alpha=   2.808 ( 0.005)-------------------------------------------------------------

S+p      =  -7.627 ( 0.005)
S+n      =  -9.448 ( 0.004)
S+2p     = -11.085 ( 0.020)
S+2n     = -16.722 ( 0.004)
S+alpha  =  -1.257 ( 0.007)

gap p    =  -1.600 ( 0.006)
gap n    =  -1.779 ( 0.007)
gap 2p   =   4.026 ( 0.021)
gap 2n   =   0.940 ( 0.013)
gap alpha =  1.551 ( 0.008)
```