^{82}Se $Z = 34$ $N = 48$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 712.842 (0.000) MeV

	Energy	T	J+		J-		J-other		T1/2	
82SE	1	0.000	0+					1	9.6E+19	Y 10
82SE	2	0.655	2+					2	12.8	PS 7
82SE	3	1.410	0+					3	30	PS
82SE	4	1.732	2+					4	0.94	PS 11
82SE	5	1.735	4+					5	0.96	PS 15
82SE	6	2.550	(4+)					6	1.7	PS 3
82SE	7	2.624	(0+)					7	0.04	PS 1
82SE	8				2.894	5-		8	131.7	PS GT
82SE	9				3.009	3-		9	0.020	PS 5
82SE	10	3.103	(4+)					10		
82SE	11	3.145	6+					11	0.39	PS +13-9
82SE	12	3.239	(4+)					12	0.30	PS +12-8
82SE	13				3.378	(3-)		13	0.12	PS 4
82SE	14	3.446	0+					14		
82SE	15				3.454	(5-)		15		
82SE	16	3.518	8+					16	6.6	NS 4
82SE	17	3.592	2+					17	0.28	PS +12-8
82SE	18	3.631	(0+)					18		
82SE	19	3.664	2+					19		
82SE	20						3.668 (1,2+)	20		
82SE	21	3.689	(4+)					21		
82SE	22	3.757	2+					22		
82SE	23				3.795	(7-)		23		
82SE	24	3.798	(4+)					24		
82SE	25	3.831	0+					25		
82SE	26				3.865	(3-)		26		
82SE	27	3.918	2+					27		
82SE	28	4.035	2+					28	0.17	PS +10-5
82SE	29						4.088 (4-,5-)	29		
82SE	30				4.094	(5-)		30		
82SE	31	4.134	2+					31		
82SE	32						4.232	32		
82SE	33				4.245	(1-)		33		
82SE	34	4.391	2+					34	0.13	PS 3
82SE	35	4.466	(4+)					35		
82SE	36	4.535	(4+)					36		
82SE	37	4.584	(4+)					37		

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 82SE  38 |                   |   4.809     (1-)   |                   38
 82SE  39 |  4.881     (4+)   |                    |                   39
 82SE  40 |                   |                    |   4.969           40
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 82SE  41 |  4.983     (9+)   |                    |                   41
 82SE  42 |                   |   5.029     (1-)   |                   42
 82SE  43 |                   |                    |   5.046           43
 82SE  44 |                   |                    |   5.192           44
 82SE  45 |  5.457     (10+)  |                    |                   45  1.04 PS   LT
 82SE  46 |                   |                    |   5.687 (11)      46
 82SE  47 |                   |                    |   6.129 (12)      47


S-p    =  12.350 ( 0.003) ------------------------------------------------------------
S-n    =   9.276 ( 0.001) ------------------------------------------------------------
S-2p   =  22.637 ( 0.002) ------------------------------------------------------------
S-2n   =  15.977 ( 0.001) ------------------------------------------------------------
S-alpha=   8.157 ( 0.004) ------------------------------------------------------------

S+p       =  -8.709 ( 0.004)
S+n       =  -5.818 ( 0.003)
S+2p      = -19.423 ( 0.000)
S+2n      = -14.497 ( 0.002)
S+alpha   =  -8.097 ( 0.000)

gap p     =   3.641 ( 0.005)
gap n     =   3.458 ( 0.003)
gap 2p    =   3.213 ( 0.002)
gap 2n    =   1.481 ( 0.002)
gap alpha =   0.060 ( 0.004)
```