

^{84}Se $Z = 34$ $N = 50$ adopted link ENSDF link

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

BE = 727.339 (0.002) MeV

Qbeta- = 1.835 (0.026) MeV

	Energy T	J+	J-	J-other	T1/2

84SE 1	0.000	0+			1 3.26 M 10
84SE 2	1.455	2+			2 0.42 PS 7
84SE 3	1.967	(0+)			3
84SE 4			2.097	(1-)	4
84SE 5	2.122	4+			5 20.2 PS +41-26
84SE 6	2.244	0+			6
84SE 7				2.461 (1,2+)	7
84SE 8	2.654	0+			8
84SE 9				2.699 (2,3,4)	9
84SE 10	2.716	(0+)			10

84SE 11	2.740	(0+)			11
84SE 12	2.985	2+			12
84SE 13	3.024	(2+)			13
84SE 14				3.070	14
84SE 15				3.126	15
84SE 16				3.232	16
84SE 17				3.297	17
84SE 18	3.371	(6+)			18 8.2 PS +17-39
84SE 19				3.409	19
84SE 20				3.439	20

84SE 21				3.482	21
84SE 22	3.537	(5+)			22
84SE 23	3.541	2+			23
84SE 24				3.548	24
84SE 25				3.698	25
84SE 26	3.701	(6+)			26
84SE 27				3.862	27
84SE 28				3.872	28
84SE 29	3.928	2+			29
84SE 30	3.985	2+			30

84SE 31				4.082	31
84SE 32	4.106	0+			32
84SE 33				4.116	33
84SE 34	4.226	2+			34
84SE 35				4.282	35
84SE 36	4.307	(2+)			36

84SE 37		4.406	(7+)					37
84SE 38		4.445	(4+)					38
84SE 39		4.602	2+					39
84SE 40							4.641	40

84SE 41		4.670	(2+)					41
84SE 42							4.723	42
84SE 43		4.813	(2+)					43
84SE 44		4.898	(6+)					44
84SE 45							4.903 (2+,0+)	45
84SE 46					4.981	1-		46
84SE 47		5.139	2+					47
84SE 48							5.161	48
84SE 49		5.185	2+					49
84SE 50							5.222	50

84SE 51		5.258	4+					51
84SE 52		5.295	2+					52
84SE 53		5.330	(8+)					53
84SE 54							5.373	54
84SE 55					5.437	(5-)		55
84SE 56		5.507	2+					56
84SE 57					5.596	3-		57
84SE 58		5.627	2+					58
84SE 59							5.638	59
84SE 60							5.662	60

84SE 61							5.725	61
84SE 62		5.815	2+					62
84SE 63							5.869	63
84SE 64							5.890 (3-,1-)	64
84SE 65		5.922	(4+)					65
84SE 66		6.005	(4+)					66
84SE 67							6.020	67
84SE 68							6.250	68
84SE 69		6.329	2+					69
84SE 70		6.400	4+					70

84SE 71							6.414 (9,10)	71
84SE 72							6.542	72
84SE 73							6.605	73

S-p = 13.567 (0.003) -----
S-n = 8.679 (0.004) -----
S-2p = 25.111 (0.003) -----
S-2n = 14.497 (0.002) -----
S-alpha= 8.837 (0.003) -----

S+p = -9.917 (0.004)

S+n = -4.537 (0.003)
S+2p = -21.896 (0.002)
S+2n = -10.698 (0.003)
S+alpha = -6.168 (0.003)

gap p = 3.651 (0.005)
gap n = 4.141 (0.005)
gap 2p = 3.215 (0.004)
gap 2n = 3.799 (0.004)
gap alpha = 2.669 (0.004)