

^{84}Se $Z = 34$ $N = 50$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

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 = 3.798 (0.004)
gap alpha = 2.669 (0.004)