

^{80}Se $Z = 34$ $N = 46$ adopted link ENSDF link

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

BE = 696.865 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
80SE 1	0.000	0+			1 STABLE
80SE 2	0.666	2+			2 8.52 PS 21
80SE 3	1.449	2+			3 1.95 PS 7
80SE 4	1.479	0+			4 11.4 PS 17
80SE 5	1.701	4+			5 0.66 PS 2
80SE 6				1.873 (0)+	6
80SE 7	1.960	2+			7 0.38 PS +22-12
80SE 8				2.121 (3+)	8
80SE 9				2.311 (2+)	9 0.152 PS +28-14
80SE 10				2.344 (1+,2+)	10 0.35 PS +17-10
80SE 11				2.495 (4+)	11 1.1 PS 7
80SE 12				2.514 (2+)	12 0.048 PS 7
80SE 13				2.627 (0+)	13
80SE 14			2.717 3-		14 0.38 PS 14
80SE 15				2.774 (1,2+)	15
80SE 16				2.787	16
80SE 17				2.815 (2+,1+)	17
80SE 18				2.826 (6+)	18
80SE 19				2.827 (2+)	19 0.18 PS 4
80SE 20				2.836 (1,2+)	20
80SE 21				2.895 (6+)	21
80SE 22				2.948 (2+,4+)	22 0.18 PS +11-6
80SE 23				2.998	23
80SE 24				3.025 (1+,2+)	24 0.049 PS 14
80SE 25				3.033 (4+)	25
80SE 26				3.036 (6+)	26
80SE 27				3.038 (1+,2+)	27 0.13 PS +9-5
80SE 28				3.126 (2+)	28 0.028 PS 14
80SE 29	3.160	0+			29
80SE 30				3.177 (1,2+)	30
80SE 31				3.199 (2)	31
80SE 32				3.224 (1,2)	32 0.070 PS 28
80SE 33				3.226 (4+)	33
80SE 34				3.248 (2+)	34
80SE 35				3.280 (1,2+)	35
80SE 36				3.284 (3-)	36
80SE 37				3.314	37
80SE 38				3.316 (0)	38

80SE 39						3.350	(1+)	39
80SE 40						3.354	(3-)	40

80SE 41						3.391	(2+)	41
80SE 42						3.442	(0+)	42
80SE 43						3.491		43
80SE 44						3.567		44
80SE 45						3.606	(2)	45
80SE 46						3.620	(0+,2+)	46
80SE 47						3.635	(8+)	47
80SE 48						3.640		48
80SE 49						3.655	(0,1,2)	49
80SE 50						3.675		50

80SE 51						3.727	(0,1,2)	51
80SE 52						3.753	(3-)	52
80SE 53						3.774		53
80SE 54						3.814	(6+)	54
80SE 55						3.815	(8+)	55
80SE 56						3.826		56
80SE 57						3.845		57
80SE 58						3.870	(1-)	58
80SE 59						3.931	(2+)	59
80SE 60						3.952	(2+)	60

80SE 61						3.976	(1-)	61
80SE 62						3.996	(5-)	62
80SE 63						4.039		63
80SE 64						4.047	(2+)	64
80SE 65						4.062	(0+)	65
80SE 66		4.129		0+				66
80SE 67						4.130	(3-)	67
80SE 68		4.173		2+				68
80SE 69						4.225		69
80SE 70		4.247		2+				70

80SE 71						4.295		71
80SE 72						4.322	(2+)	72
80SE 73		4.352		2+				73
80SE 74						4.420	(2+)	74
80SE 75						4.437	(5-)	75
80SE 76						4.464	(1-)	76
80SE 77						4.511	(4+)	77
80SE 78						4.570		78
80SE 79						4.674	(10+)	79
80SE 80						4.682	(4+)	80

80SE 81						4.950		81
80SE 82						4.993		82
80SE 83						5.180		83

80SE 84			5.325	(3-)	84
S-alpha=	6.971 (0.001)	-----			
80SE 85			7.819	1(-)	85

S-p	=	11.412 (0.005)	-----
S-n	=	9.913 (0.001)	-----
S-2p	=	20.475 (0.004)	-----
S-2n	=	16.876 (0.001)	-----
S-alpha=	6.971 (0.001)	-----	

S+p	=	-7.507 (0.001)
S+n	=	-6.701 (0.001)
S+2p	=	-17.410 (0.001)
S+2n	=	-15.977 (0.001)
S+alpha	=	-7.105 (0.001)

gap p	=	3.906 (0.006)
gap n	=	3.212 (0.002)
gap 2p	=	3.065 (0.004)
gap 2n	=	0.899 (0.001)
gap alpha	=	-0.133 (0.001)