

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

Based on ensdf_240402 (Apr 2024), 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)