

^{94}Mo $Z = 42$ $N = 52$ adopted link ENSDF link

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

BE = 814.259 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
94MO 1	0.000	0+			1 STABLE
94MO 2	0.871	2+			2 2.77 PS 6
94MO 3	1.574	4+			3 5.0 PS 7
94MO 4	1.742	0+			4
94MO 5	1.864	2+			5 0.20 PS +5-3
S-alpha= 2.066 (0.000)					
94MO 6	2.067	2+			6 35 FS 3
94MO 7				2.121	7
94MO 8	2.295	4+			8 76 FS 11
94MO 9				2.322 (6+)	9
94MO 10	2.393	2+			10 83 FS +12-10
94MO 11	2.423	6+			11
94MO 12			2.534 3-		12 0.52 PS +9-8
94MO 13	2.565	4+			13 0.16 PS +5-3
94MO 14				2.580 (3-)	14
94MO 15				2.611 (5)-	15 0.44 PS +11-8
94MO 16				2.703 (3-)	16
94MO 17	2.740	1+			17 53 FS 5
94MO 18	2.768	4+			18 107 FS 12
94MO 19				2.781 (0+)	19 0.48 PS +12-9
94MO 20	2.805	3+			20 0.35 PS +5-4
94MO 21				2.835 (4)-	21
94MO 22				2.853 (4+)	22
94MO 23	2.870	2+			23 91 FS 10
94MO 24	2.872	6+			24
94MO 25	2.956	8+			25 98 NS 2
94MO 26				2.960 (4+)	26
94MO 27	2.965	3+			27 52 FS 6
94MO 28	2.993	2+			28 151 FS +19-17
94MO 29			3.012 3-		29 0.22 PS +6-4
94MO 30				3.027 (3)	30
94MO 31				3.032 (4+)	31
94MO 32				3.072 (2,3+)	32 0.35 PS +7-6
94MO 33				3.082 (3)+	33 0.70 PS +28-17
94MO 34	3.129	1+			34 6.5 FS 4
94MO 35				3.163 (3)+	35 63 FS 7
94MO 36	3.166	6+			36 322 FS 35
94MO 37				3.171 2+,3+	37

94MO	38					3.201	(4)	38	44	FS	+6-5
94MO	39					3.243	(5)+	39	92	FS	+16-15
94MO	40			3.261	1-			40	40	FS	4

94MO	41					3.307	(2)+	41	0.40	PS	+14-9
94MO	42	3.320	0+					42			
94MO	43					3.321		43			
94MO	44	3.332	3+					44	52	FS	6
94MO	45	3.340	6+					45	126	FS	21
94MO	46					3.360	(8+)	46			
94MO	47					3.366	(3+,4)	47	0.61	PS	7
94MO	48					3.368	(7-)	48			
94MO	49					3.371	(2,3,4)	49	0.14	PS	+7-4
94MO	50					3.376	(4+)	50			

94MO	51					3.380		51			
94MO	52					3.389	(5)-	52	0.49	PS	12
94MO	53					3.398	(3,4)	53	35	FS	+7-6
94MO	54					3.401		54	22.9	FS	28
94MO	55					3.429		55			
94MO	56					3.435	(2+)	56			
94MO	57					3.448	(1,2+)	57	35	FS	+5-4
94MO	58	3.449	5+					58	0.45	PS	14
94MO	59	3.456	2+					59			
94MO	60					3.462	(3)-	60			

94MO	61					3.512	1(+)	61	9	FS	+6-3
94MO	62					3.532	(1,2+)	62			
94MO	63	3.534	2+					63	105	FS	28
94MO	64					3.539	(1-)	64			
94MO	65					3.588	(2+)	65			
94MO	66					3.589		66			
94MO	67					3.602	+	67			
94MO	68					3.604	(3-)	68			
94MO	69					3.620	(5-)	69			
94MO	70					3.627	(3-)	70			

94MO	71					3.647	(2)+	71			
94MO	72					3.693	(3,4)	72	0.105	FS	35
94MO	73	3.700	0+					73			
94MO	74					3.707	(4+)	74			
94MO	75					3.714		75			
94MO	76					3.730	(4+)	76			
94MO	77	3.793	2+					77			
94MO	78			3.800	3-			78			
94MO	79					3.802	(2+)	79			
94MO	80					3.805	(8,10)	80			

94MO	81	3.847	4+					81	136	FS	28
94MO	82					3.867	(9+)	82			

94MO 83						3.869	(5-)	83
94MO 84						3.892	(1,2+)	84
94MO 85						3.895		85
94MO 86						3.897	(10+)	86
94MO 87						3.898	(3+,5+)	87 78 FS 28
94MO 88						3.901	(2+)	88
94MO 89						3.917		89
94MO 90						3.928	(2+)	90

94MO 91						3.932	(7)+	91 126 FS 21
94MO 92		3.995	2+					92
94MO 93						4.004	(2+)	93
94MO 94						4.008		94
94MO 95				4.024	5-			95
94MO 96						4.062	(3-)	96
94MO 97		4.093	4+					97
94MO 98						4.097	(9-)	98
94MO 99						4.106		99 91 FS 28
94MO 100						4.113	(3-)	100

94MO 101						4.120	2+,3-	101
94MO 102						4.128	(3-)	102
94MO 103		4.139	2+					103
94MO 104		4.174	6+					104
94MO 105						4.190		105
94MO 106						4.191	(2+)	106
94MO 107						4.192	(12+)	107
94MO 108		4.223	4+					108
94MO 109						4.238		109 62 FS 28
94MO 110						4.265		110

94MO 111						4.293		111
94MO 112						4.317	(2+)	112
94MO 113						4.388		113
94MO 114						4.436		114
94MO 115						4.475	(2+)	115
94MO 116						4.496		116
94MO 117						4.499		117
94MO 118						4.565		118
94MO 119						4.602		119
94MO 120						4.636		120

94MO 121						4.729		121
94MO 122						4.750	(11-)	122
94MO 123						4.755		123
94MO 124						4.804		124
94MO 125						4.833		125
94MO 126						4.886		126
94MO 127						4.921		127
94MO 128						4.975		128

94MO 129			5.059		129
94MO 130			5.734	(13-)	130

94MO 131			5.804	(13+)	131
94MO 132			6.397	(14-)	132
94MO 133			6.555	(1,2+)	133
94MO 134			6.580	(13+)	134
94MO 135			6.963	(15-)	135
94MO 136			7.021	(15-)	136
94MO 137			7.068	(13+)	137
94MO 138			7.518	(16-)	138
94MO 139			7.555	(14+)	139
94MO 140			7.796	(15+)	140

94MO 141			7.900	(14+)	141
94MO 142			8.239	(16+)	142
94MO 143			8.453		143
S-p	=	8.490 (0.001)	-----		
94MO 144			8.615	(15+)	144
94MO 145			9.030	(17+)	145
94MO 146			9.163	(16+)	146
94MO 147			9.210	(16-)	147
S-n	=	9.678 (0.000)	-----		
94MO 148			9.956	(16+)	148
94MO 149			9.979	(17+)	149

S-p	=	8.490 (0.001)	-----		
S-n	=	9.678 (0.000)	-----		
S-2p	=	14.533 (0.000)	-----		
S-2n	=	17.748 (0.000)	-----		
S-alpha	=	2.066 (0.000)	-----		
S+p	=	-4.896 (0.005)			
S+n	=	-7.369 (0.000)			
S+2p	=	-12.244 (0.000)			
S+2n	=	-16.523 (0.000)			
S+alpha	=	-2.236 (0.006)			
gap p	=	3.594 (0.005)			
gap n	=	2.309 (0.000)			
gap 2p	=	2.289 (0.000)			
gap 2n	=	1.225 (0.000)			
gap alpha	=	-0.169 (0.006)			