

^{103}Mo $Z = 42$ $N = 61$ adopted link ENSDF link

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

BE = 879.442 (0.009) MeV

Qbeta- = 3.650 (0.013) MeV

	Energy T	J+	J-	J-other	T1/2
103MO	1	|	|	0.000 (3/2+)	1 67.5 S 15
103MO	2	|	|	0.103 (5/2+)	2 435 PS 14
103MO	3	|	|	0.241 (7/2+)	3 108 PS 16
103MO	4	|	|	0.347 (5/2-)	4
103MO	5	|	|	0.354 (7/2-)	5 1.2 NS 1
103MO	6	|	|	0.433 (9/2+)	6 35 PS 24
103MO	7	|	|	0.456	7 24 PS 10
103MO	8	|	|	0.479 (9/2-)	8 10 PS LT
103MO	9	|	|	0.490	9
103MO	10	|	|	0.498 (11/2-)	10

103MO	11	|	|	0.526	11
103MO	12	|	|	0.638 (11/2+)	12
103MO	13	|	|	0.641	13
103MO	14	|	|	0.687	14
103MO	15	|	|	0.693	15
103MO	16	|	|	0.746	16 10 PS LT
103MO	17	|	|	0.851 (13/2-)	17
103MO	18	|	|	0.862 (15/2-)	18
103MO	19	|	|	0.902 (13/2+)	19
103MO	20	|	|	0.967	20

103MO	21	|	|	1.028	21
103MO	22	|	|	1.157 (15/2+)	22
103MO	23	|	|	1.186	23
103MO	24	|	|	1.409 (19/2-)	24
103MO	25	|	|	1.426 (17/2-)	25
103MO	26	|	|	1.482 (17/2+)	26
103MO	27	|	|	1.779 (19/2+)	27
103MO	28	|	|	2.116 (23/2)-	28
103MO	29	|	|	2.161 (21/2+)	29
103MO	30	|	|	2.164 (21/2-)	30

103MO	31	|	|	2.491 (23/2+)	31
103MO	32	|	|	2.934 (25/2+)	32
103MO	33	|	|	2.961 (27/2-)	33
103MO	34	|	|	3.019 (25/2-)	34
103MO	35	|	|	3.304 (27/2+)	35
103MO	36	|	|	3.798 (29/2+)	36
103MO	37	|	|	3.922 (31/2-)	37

103M0	38	|	|	|	3.947	(29/2-)	38
103M0	39	|	|	|	4.214	(31/2+)	39
103M0	40	|	|	|	4.763	(33/2+)	40

103M0	41	|	|	|	4.944	(33/2-)	41
103M0	42	|	|	|	4.986	(35/2-)	42
103M0	43	|	|	|	5.203	(35/2+)	43
S-alpha=	5.763	(	0.014)	-----			
S-n	=	5.465	(	0.012)	-----		
103M0	44	|	|	|	6.152	(39/2-)	44
103M0	45	|	|	|	6.308	(39/2+)	45
S-p	=	11.945	(	0.010)	-----		
S-n	=	5.465	(	0.012)	-----		
S-2p	=	22.371	(	0.012)	-----		
S-2n	=	13.577	(	0.009)	-----		
S-alpha=	5.763	(	0.014)	-----			
S+p	=	-8.834	(	0.027)			
S+n	=	-7.461	(	0.013)			
S+2p	=	-19.558	(	0.010)			
S+2n	=	-12.519	(	0.013)			
S+alpha	=	-5.333	(	0.013)			
gap p	=	3.112	(	0.028)			
gap n	=	-1.996	(	0.018)			
gap 2p	=	2.813	(	0.016)			
gap 2n	=	1.058	(	0.016)			
gap alpha	=	0.430	(	0.019)			