

^{104}Mo $Z = 42$ $N = 62$ adopted link ENSDF link

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

BE = 886.902 (0.009) MeV

Qbeta- = 2.155 (0.026) MeV

	Energy T	J+	J-	J-other	T1/2
104MO	1 0.000	0+			1 60 S 2
104MO	2 0.192	2+			2 0.97 NS 8
104MO	3 0.561	4+			3 26.1 PS 8
104MO	4 0.812	2+			4
104MO	5 0.886	0+			5
104MO	6 1.028	3+			6
104MO	7 1.080	6+			7 4.73 PS 15
104MO	8 1.215	4+			8
104MO	9			1.275	9
104MO	10			1.469	10
104MO	11 1.476	5+			11
104MO	12			1.545	12
104MO	13 1.584	4+			13
104MO	14			1.607	14
104MO	15			1.611	15
104MO	16			1.624	16
104MO	17 1.722	8+			17 2.21 PS 11
104MO	18 1.724	6+			18
104MO	19			1.790	19
104MO	20 1.824	5+			20
104MO	21			1.882	21
104MO	22			1.884 (5-)	22
104MO	23 2.037	7+			23
104MO	24			2.061 (4-)	24
104MO	25			2.084 (6+)	25
104MO	26			2.180 (6+)	26
104MO	27			2.212 (5-)	27
104MO	28			2.305 (7-)	28
104MO	29			2.317	29
104MO	30 2.326	8+			30
104MO	31			2.373 (7+)	31
104MO	32			2.396 (6-)	32
104MO	33 2.455	10+			33 1.08 PS 7
104MO	34			2.612 (7-)	34
104MO	35			2.656	35
104MO	36			2.656	36
104MO	37			2.671	37

104MO	38	2.683	9+				38
104MO	39					2.685	39
104MO	40					2.685 (8+)	40

104MO	41					2.707 (8+)	41
104MO	42					2.792	42
104MO	43					2.862	43
104MO	44					2.864 (8-)	44
104MO	45					2.867 (9-)	45
104MO	46					2.888	46
104MO	47	3.005	10+				47
104MO	48					3.011 (9+)	48
104MO	49					3.132	49
104MO	50					3.149 (9-)	50

104MO	51	3.253	12+				51
104MO	52					3.358 (10+)	52
104MO	53	3.396	11+				53
104MO	54					3.556 (11-)	54
104MO	55					3.702	55
104MO	56	3.765	12+				56
104MO	57	4.115	14+				57
104MO	58					4.115 (12+)	58
104MO	59	4.184	13+				59
104MO	60					4.360 (13-)	60

104MO	61	4.625	14+				61
104MO	62	5.060	16+				62
104MO	63	5.064	15+				63
104MO	64					5.269 (15-)	64
104MO	65	5.589	16+				65
104MO	66	6.022	17+				66
104MO	67	6.111	18+				67
104MO	68					6.284 (17-)	68

S-alpha=	6.396	(0.012)					
104MO	69	6.625	18+				69
104MO	70	7.283	20+				70

S-p = 12.604 (0.010)-----
S-n = 7.461 (0.013)-----
S-2p = 23.340 (0.012)-----
S-2n = 12.925 (0.012)-----
S-alpha= 6.396 (0.012)-----

S+p = -9.232 (0.036)
S+n = -5.058 (0.013)
S+2p = -20.557 (0.010)
S+2n = -11.927 (0.013)

S+alpha = -5.743 (0.012)

gap p = 3.372 (0.038)

gap n = 2.402 (0.018)

gap 2p = 2.783 (0.016)

gap 2n = 0.999 (0.018)

gap alpha = 0.653 (0.017)