

$^{102}\text{Mo}$        $Z = 42$        $N = 60$       adopted link      ENSDF link

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

BE = 873.977 ( 0.008) MeV

Qbeta- = 1.012 ( 0.012) MeV

	Energy T	J+	J-	J-other	T1/2
102MO 1	0.000	0+			1 11.3 M 2
102MO 2	0.297	2+			2 125 PS 4
102MO 3	0.698	0+			3 28 PS 11
102MO 4	0.744	4+			4 12.5 PS 25
102MO 5	0.848	2+			5
102MO 6				1.145 (2+)	6
102MO 7				1.246 (3+)	7
102MO 8	1.250	2+			8
102MO 9	1.328	6+			9
102MO 10	1.334	0+			10
102MO 11				1.398 (4+)	11
102MO 12	1.608	2+			12
102MO 13				1.617	13
102MO 14				1.748	14
102MO 15				1.870	15
102MO 16			1.881 3-		16
102MO 17				2.010 (6+)	17
102MO 18	2.019	8+			18 1.8 PS 3
102MO 19			2.108 1-		19
102MO 20	2.122	0+			20
102MO 21				2.148 (5-)	21
102MO 22				2.239 (4+)	22
102MO 23	2.248	2+			23
102MO 24	2.305	2+			24
102MO 25	2.321	2+			25
102MO 26	2.366	2+			26
102MO 27				2.412	27
102MO 28				2.418 (10+)	28
102MO 29				2.460 (6-)	29
102MO 30				2.481 (3+)	30
102MO 31	2.485	2+			31
102MO 32	2.502	4+			32
102MO 33			2.522 3-		33
102MO 34				2.548 (7-)	34
102MO 35				2.608	35
102MO 36	2.659	4+			36
102MO 37			2.684 3-		37



gap 2n = 0.585 ( 0.015)  
gap alpha = -0.483 ( 0.015)