

$^{106}\text{Mo}$        $Z = 42$        $N = 64$       adopted link      ENSDF link

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

BE = 898.829 ( 0.009) MeV

Qbeta- = 3.648 ( 0.015) MeV

	Energy T	J+	J-	J-other	T1/2
106MO	1   0.000	0+			1 8.73 S 12
106MO	2   0.172	2+			2 1.25 NS 3
106MO	3   0.522	4+			3 25.4 PS 51
106MO	4   0.710	2+			4
106MO	5   0.885	3+			5
106MO	6			0.957 (0+)	6
106MO	7   1.033	6+			7 4.2 PS 18
106MO	8   1.068	4+			8
106MO	9			1.150 (2+)	9
106MO	10			1.280	10
106MO	11   1.307	5+			11
106MO	12   1.435	4+			12
106MO	13			1.536 (4+)	13
106MO	14   1.563	6+			14
106MO	15   1.658	5+			15
106MO	16   1.688	8+			16 1.77 PS 24
106MO	17			1.817 (3-)	17
106MO	18   1.868	7+			18
106MO	19   1.910	6+			19
106MO	20			1.937 (4-)	20
106MO	21			1.952 (5-)	21
106MO	22			2.015 (6+)	22
106MO	23			2.090 (5-)	23
106MO	24			2.142 (6-)	24
106MO	25			2.147 (5-)	25
106MO	26   2.194	8+			26
106MO	27   2.200	7+			27
106MO	28			2.276 (6-)	28
106MO	29			2.303 (5+)	29
106MO	30			2.369 (7-)	30
106MO	31   2.472	10+			31 0.69 PS 9
106MO	32			2.499 (7-)	32
106MO	33   2.521	8+			33
106MO	34   2.559	9+			34
106MO	35			2.566 (8+)	35
106MO	36			2.566 (7-)	36
106MO	37			2.629 (8-)	37

106MO	38				2.713	(7+)	38
106MO	39				2.747	(8-)	39
106MO	40	2.878	9+				40
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106MO	41				2.921	(9-)	41
106MO	42	2.951	10+				42
106MO	43				3.042	(9-)	43
106MO	44				3.132	(9-)	44
106MO	45				3.185	(10+)	45
106MO	46				3.238	(10-)	46
106MO	47				3.254	(9+)	47
106MO	48	3.264	10+				48
106MO	49				3.350	(10-)	49
106MO	50	3.369	12+				50 0.37 PS 4
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106MO	51	3.370	11+				51
106MO	52				3.592	(11-)	52
106MO	53	3.682	11+				53
106MO	54				3.708	(11-)	54
106MO	55	3.810	12+				55
106MO	56				3.844	(11-)	56
106MO	57				3.928	(11+)	57
106MO	58				3.945	(12-)	58
106MO	59				4.049	(12-)	59
106MO	60				4.133	(12+)	60
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106MO	61	4.292	13+				61
106MO	62	4.362	14+				62
106MO	63				4.372	(13-)	63
106MO	64	4.596	13+				64
106MO	65	4.751	14+				65
106MO	66				4.752	(14-)	66
106MO	67	4.756	14+				67
106MO	68	5.307	15+				68
106MO	69	5.413	16+				69
106MO	70	5.425	16+				70
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106MO	71	5.767	16+				71
106MO	72	6.392	17+				72
106MO	73	6.501	18+				73
106MO	74	6.867	18+				74
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S-alpha=	6.971	( 0.013)	-----				
S-n	=	6.869	( 0.013)	-----			
106MO	75	7.660	20+				75
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S-p	=	13.501	( 0.010)	-----			
S-n	=	6.869	( 0.013)	-----			
S-2p	=	24.988	( 0.013)	-----			
S-2n	=	11.927	( 0.013)	-----			

S-alpha= 6.971 ( 0.013)-----

S+p = -9.911 ( 0.013)

S+n = -4.488 ( 0.013)

S+2p = -22.111 ( 0.013)

S+2n = -10.764 ( 0.013)

S+alpha = -6.370 ( 0.013)

gap p = 3.591 ( 0.016)

gap n = 2.380 ( 0.018)

gap 2p = 2.877 ( 0.018)

gap 2n = 1.163 ( 0.018)

gap alpha = 0.602 ( 0.018)