

^{87}Mo $Z = 42$ $N = 45$ adopted link ENSDF link

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

BE = 736.231 (0.003) MeV

Qbeta+ = 6.990 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
87MO	1			0.000 (7/2+)	1 14.1 S 3
87MO	2			0.032 (9/2+)	2
87MO	3			0.787 (11/2+)	3
87MO	4			0.865 (13/2+)	4 14 PS 4
87MO	5			1.773 (15/2+)	5
87MO	6			1.864 (17/2+)	6 14 PS 4
87MO	7			1.970 (15/2)	7
87MO	8			2.284 (17/2)	8
87MO	9			2.696 (19/2)	9
87MO	10			2.742 (21/2+)	10 1.2 PS 5
87MO	11			2.963 (21/2+)	11
87MO	12			3.135 (21/2)	12
87MO	13			3.383 (23/2+)	13
S-alpha=	3.398 (0.007)	-----			
87MO	14			3.600 (25/2+)	14 1.1 PS 5
87MO	15			3.619 (23/2)	15
87MO	16			4.161 (25/2)	16
87MO	17			4.385 (27/2+)	17
87MO	18			4.551 (29/2+)	18
87MO	19			4.713 (27/2)	19
S-p =	5.040 (0.006)	-----			
87MO	20			5.254 (29/2)	20
87MO	21			5.303 (31/2+)	21
87MO	22			5.670 (33/2+)	22 0.46 PS 7
87MO	23			5.858 (31/2)	23
87MO	24			6.368 (33/2)	24
87MO	25			6.946 (37/2+)	25 0.24 PS 7
S-2p =	8.288 (0.007)	-----			
87MO	26			8.355 (41/2+)	26 0.3 PS LT
S-p =	5.040 (0.006)	-----			
S-n =	10.845 (0.004)	-----			
S-2p =	8.288 (0.007)	-----			
S-2n =	25.518 (0.016)	-----			
S-alpha=	3.398 (0.007)	-----			
S+p =	-2.074 (0.005)	-----			

S+n = -13.873 (0.005)
S+2p = -6.063 (0.024)
S+2n = -24.273 (0.005)
S+alpha = -3.780 (0.004)

gap p = 2.965 (0.008)
gap n = -3.028 (0.006)
gap 2p = 2.225 (0.025)
gap 2n = 1.245 (0.017)
gap alpha = -0.382 (0.008)