

^{90}Mo $Z = 42$ $N = 48$ adopted link ENSDF link

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

BE = 773.733 (0.003) MeV

Qbeta+ = 2.489 (0.005) MeV

	Energy T	J+	J-	J-other	T1/2
90MO 1	0.000	0+			1 5.56 H 9
90MO 2	0.948	2+			2
90MO 3	1.897	2+			3
90MO 4	1.979	0+			4
90MO 5	2.002	4+			5
90MO 6			2.433 3-		6
90MO 7	2.450	0+			7
90MO 8				2.534 (2+)	8
90MO 9			2.549 5-		9 16 PS 3
90MO 10	2.613	2+			10
90MO 11				2.706	11
90MO 12	2.812	6+			12
90MO 13			2.859 5-		13
90MO 14	2.875	8+			14 1.14 US 5
90MO 15				2.901 (4-)	15
90MO 16				2.947 (6+)	16
90MO 17				3.038	17
90MO 18			3.074 3-		18
90MO 19	3.106	8+			19 4.9 PS 13
90MO 20	3.148	2+			20
90MO 21				3.150	21
90MO 22				3.185	22
90MO 23				3.294	23
90MO 24				3.355	24
90MO 25			3.367 7-		25 0.69 PS LT
90MO 26				3.446 (7-)	26
90MO 27				3.494	27
90MO 28				3.514	28
90MO 29				3.540	29
90MO 30				3.660 (7-)	30
90MO 31				3.683	31
90MO 32				3.736	32
90MO 33				3.834	33
90MO 34				3.936	34
90MO 35	4.079	10+			35 14.6 PS 28
90MO 36				4.095	36
90MO 37				4.175	37


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S-2n = 23.629 ( 0.005)-----  
S-alpha= 4.628 ( 0.005)-----  
  
S+p = -3.103 ( 0.004)  
S+n = -10.108 ( 0.007)  
S+2p = -8.707 ( 0.004)  
S+2n = -22.779 ( 0.003)  
S+alpha = -4.836 ( 0.005)  
  
gap p = 3.733 ( 0.024)  
gap n = 3.121 ( 0.009)  
gap 2p = 2.415 ( 0.008)  
gap 2n = 0.850 ( 0.006)  
gap alpha = -0.208 ( 0.007)
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