

^{84}Mo $Z = 42$ $N = 42$ adopted link ENSDF link

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

BE = 699.300 (-0.336) MeV

Qbeta+ = 7.026 (0.336) MeV

	Energy T	J+	J-	J-other	T1/2
84MO 1	0.000	0+			1 2.3 S 3
84MO 2				0.444 (2+)	2
84MO 3				1.117 (4+)	3
S-alpha=	1.804 (-0.464)				
84MO 4				2.006 (6+)	4
84MO 5				3.069 (8+)	5
S-p =	3.844 (-0.373)				
84MO 6				4.276 (10+)	6

S-p = 3.844 (-0.373)-----

S-n = 15.878 (-0.534)-----

S-2p = 5.132 (-0.336)-----

S-2n = 29.934 (-0.530)-----

S-alpha= 1.804 (-0.464)-----

S+p = 1.025 (-0.542)

S+n = -11.413 (-0.336)

S+2p = -0.138 (-0.546)

S+2n = -26.086 (-0.336)

S+alpha = -2.628 (-0.427)

gap p = 4.869 (0.658)

gap n = 4.465 (0.631)

gap 2p = 4.994 (0.641)

gap 2n = 3.848 (0.628)

gap alpha = -0.824 (0.631)