

^{86}Mo $Z = 42$ $N = 44$ adopted link ENSDF link

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

BE = 725.386 (0.003) MeV

Qbeta+ = 5.023 (0.006) MeV

	Energy T	J+	J-	J-other	T1/2
86MO 1	0.000	0+			1 19.1 S 3
86MO 2				0.567 (2+)	2
86MO 3				1.141 (2+)	3
86MO 4				1.327 (4+)	4
86MO 5				1.587 (3+)	5
86MO 6				1.923 (4+)	6
86MO 7				2.129	7
86MO 8				2.260 (6+)	8
86MO 9				2.373 (5+)	9
86MO 10				2.718 (5-)	10

S-alpha=	2.922 (0.003)				
86MO 11				2.960 (6-)	11
86MO 12				3.233 (8+)	12
86MO 13				3.307 (7-)	13
86MO 14				3.589	14
86MO 15				3.749 (8-)	15
86MO 16				4.153 (10+)	16
86MO 17				4.187 (9-)	17
86MO 18				4.450	18
86MO 19				4.661 (10-)	19

S-p	5.120 (0.005)				
86MO 20				5.166 (12+)	20

86MO 21				5.255 (11-)	21
86MO 22				5.687 (12-)	22
86MO 23				6.195 (14+)	23
86MO 24				6.273 (13-)	24
86MO 25				6.384 (14+)	25
86MO 26				6.411 (13-)	26
86MO 27				6.758 (14-)	27
86MO 28				6.874 (15+)	28
86MO 29				7.115 (16+)	29

S-2p	7.267 (0.006)				
86MO 30				7.841 (16-)	30

86MO 31				7.974	31
86MO 32				8.179 (18+)	32
86MO 33				9.466 (20+)	33

S-p	=	5.120	(	0.005)	-----
S-n	=	14.672	(	0.016)	-----
S-2p	=	7.267	(	0.006)	-----
S-2n	=	26.086	(	0.336)	-----
S-alpha	=	2.922	(	0.003)	-----
S+p	=	-0.868	(	0.005)	
S+n	=	-10.845	(	0.004)	
S+2p	=	-4.838	(	0.264)	
S+2n	=	-24.718	(	0.005)	
S+alpha	=	-3.198	(	0.005)	
gap p	=	4.252	(	0.007)	
gap n	=	3.827	(	0.017)	
gap 2p	=	2.429	(	0.264)	
gap 2n	=	1.367	(	0.336)	
gap alpha	=	-0.276	(	0.006)	