

$^{88}\text{Mo}$        $Z = 42$        $N = 46$       adopted link      ENSDF link

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

BE = 750.104 ( 0.004) MeV

Qbeta+ = 3.485 ( 0.058) MeV

	Energy T	J+		J-		J-other		T1/2
88MO	1	0.000	0+					1 8.0 M 2
88MO	2	0.741	2+					2 7.14 PS 21
88MO	3	1.495	2+					3
88MO	4	1.655	4+					4 0.97 PS 14
88MO	5					2.092	(3+)	5
88MO	6					2.101	(4+,5+,6+)	6
88MO	7					2.402		7
88MO	8	2.627	6+					8 8.0 PS 3
88MO	9			2.646	5-			9 13.7 PS 3
88MO	10					2.672	(5+)	10
88MO	11					2.904		11
88MO	12					2.963	(6+)	12
88MO	13					3.047		13
88MO	14					3.188	(6)	14
88MO	15	3.213	8+					15 22.2 PS 3
88MO	16					3.213	(6)	16
88MO	17			3.350	7-			17 4.6 PS 6
88MO	18					3.485	(8+)	18 3.5 PS LT
88MO	19					3.490		19
88MO	20					3.642		20
88MO	21			3.663	9-			21
S-alpha=	3.690	( 0.007)						
88MO	22					3.816	(8+)	22
88MO	23					4.064	(7,8)	23
88MO	24					4.119		24
88MO	25	4.195	10+					25 4.37 PS 7
88MO	26			4.314	9-			26 2.6 PS 3
88MO	27					4.358	(10+)	27
88MO	28					4.611	(10+)	28
88MO	29					4.822		29
88MO	30					4.989		30
88MO	31	5.052	12+					31 18.0 PS 14
88MO	32			5.153	11-			32 1.2 PS 3
88MO	33					5.270		33
88MO	34					5.272	(12+)	34 0.55 PS 14
88MO	35					5.388	(12+)	35
88MO	36	5.959	14+					36 5.67 PS 6

88MO	37				5.970	13-				37	0.90	PS	14
S-p = 6.101 ( 0.008)-----													
88MO	38							6.207	(14+)	38	1.80	PS	14
88MO	39							6.549	(15)+	39	0.49	PS	14
88MO	40				6.868	15-				40	3.54	PS	21
-----													
88MO	41							6.945	(16)+	41	0.6	PS	LT
88MO	42							6.948	(16)	42			
88MO	43							7.323	(16+)	43	0.35	PS	LT
88MO	44							7.350		44			
88MO	45							7.765	(17)+	45			
88MO	46				7.848	17-				46	1.25	PS	7
88MO	47							8.127	(18)+	47	0.35	PS	LT
88MO	48							8.268	(17)-	48			
88MO	49							8.609	(18)-	49	0.5	PS	LT
88MO	50							8.931		50			
-----													
88MO	51							8.968	(19)	51			
S-2p = 9.295 ( 0.005)-----													
88MO	52							9.336	(19)-	52			
88MO	53							9.400	(20)+	53			
88MO	54							9.472	(20)+	54			
88MO	55							9.711		55			
88MO	56							9.829	(20)-	56			

S-p = 6.101 ( 0.008)-----  
S-n = 13.873 ( 0.005)-----  
S-2p = 9.295 ( 0.005)-----  
S-2n = 24.718 ( 0.005)-----  
S-alpha= 3.690 ( 0.007)-----

S+p = -1.997 ( 0.005)  
S+n = -10.400 ( 0.005)  
S+2p = -6.775 ( 0.005)  
S+2n = -23.629 ( 0.005)  
S+alpha = -4.040 ( 0.005)

gap p = 4.104 ( 0.009)  
gap n = 3.473 ( 0.007)  
gap 2p = 2.520 ( 0.007)  
gap 2n = 1.090 ( 0.007)  
gap alpha = -0.350 ( 0.008)