

^{48}Mn $Z = 25$ $N = 23$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 397.161 (0.007) MeV

Qbeta+ = 13.526 (0.010) MeV

	Energy T	J+	J-	J-other	T1/2

48MN 1	0.000	1 % 4+			1 158.1 MS 22
48MN 2				0.312 (2+)	2
48MN 3				0.430 (5+)	3
48MN 4				0.598 (1+)	4
48MN 5				0.636 (6+)	5
48MN 6				0.688 (1-)	6
48MN 7				0.912 (2-)	7
48MN 8				1.220 (3-)	8
48MN 9				1.283 (7+)	9
48MN 10				1.627 (4-)	10

S-p	= 2.023 (0.009)				
48MN 11				2.129 (5-)	11
48MN 12				2.230 (8+)	12
48MN 13				2.653 (9+)	13
48MN 14	3.100	1+			14
48MN 15				4.180 (10+)	15
48MN 16				4.339 (11+)	16
48MN 17				6.293 (13+)	17

S-p	= 2.023 (0.009)				
S-n	= 14.801 (0.032)				
S-2p	= 6.799 (0.007)				
S-2n	= 0.000 (0.000)				
S-alpha	= 7.605 (0.182)				

S+p	= -2.743 (0.025)				
S+n	= -16.396 (0.007)				
S+2p	= 0.000 (0.000)				
S+2n	= -29.474 (0.007)				
S+alpha	= -7.490 (0.011)				

gap p	= -0.721 (0.027)				
gap n	= -1.594 (0.033)				
gap 2p	= 0.000 (0.000)				
gap 2n	= 0.000 (0.000)				
gap alpha	= 0.115 (0.182)				