

^{48}Mn $Z = 25$ $N = 23$ adopted link ENSDF link

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

BE = 397.161 (0.007) MeV

Qbeta+ = 13.525 (0.010) MeV

	Energy T	J+	J-	J-other	T1/2
48MN 1	0.000	1 4+			1 157.7 MS 22
48MN 2				0.313 (2+)	2
48MN 3	0.403	1+			3
48MN 4				0.430 (5+)	4
48MN 5				0.636 (6+)	5
48MN 6				0.689 (1-)	6
48MN 7				0.912 (2-)	7
48MN 8				1.220 (3-)	8
48MN 9				1.273 (4-)	9
48MN 10				1.281 (7+)	10
48MN 11				1.717 (4-)	11
48MN 12				1.854 (5-)	12
S-p	= 2.023 (0.008)				
48MN 13				2.219 (5-)	13
48MN 14				2.230 (8+)	14
48MN 15				2.565 (6-)	15
48MN 16				2.652 (9+)	16
48MN 17				2.940 (6-)	17
48MN 18	3.037	2 0+			18
48MN 19	3.204	1+			19
48MN 20				3.343 (7-)	20
48MN 21	3.495	1+			21
48MN 22	3.619	1+			22
48MN 23	3.713	1+			23
48MN 24				4.170 (10+)	24
48MN 25	4.299	1+			25
48MN 26				4.341 (11+)	26
48MN 27	4.399	1+			27
48MN 28	4.517	1+			28
48MN 29	4.755	1+			29
48MN 30				6.291 (13+)	30

S-p = 2.023 (0.008)

S-n = 14.802 (0.032)

S-2p = 6.799 (0.007)

S-2n = 33.022 (0.087)

S-alpha= 7.913 (0.010)-----

S+p = -2.743 (0.025)

S+n = -16.395 (0.007)

S+2p = -2.871 (0.126)

S+2n = -29.473 (0.007)

S+alpha = -7.472 (0.009)

gap p = -0.720 (0.027)

gap n = -1.593 (0.033)

gap 2p = 3.928 (0.126)

gap 2n = 3.549 (0.087)

gap alpha = 0.441 (0.013)