

^{49}Mn $Z = 25$ $N = 24$ adopted link ENSDF link

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

BE = 413.556 (0.002) MeV

Qbeta+ = 7.712 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
49MN 1			0.000 1/2 5/2-		1 382 MS 7
49MN 2				0.261 7/2(-)	2
49MN 3				1.059 9/2(-)	3
49MN 4				1.541 11/2(-)	4
S-p	= 2.088 (0.008)	-----			
49MN 5				2.481 13/2(-)	5
49MN 6				3.189 15/2(-)	6
49MN 7				3.959 (5/2-)	7
49MN 8				4.250 17/2(-)	8
49MN 9				4.381 (7/2-,5/2-)	9
49MN 10				4.446 19/2(-)	10
49MN 11				4.814 (3/ (7/2-)	11
49MN 12				6.056 (23/2-)	12
49MN 13				8.080 (27/2-)	13

S-p = 2.088 (0.008)-----

S-n = 16.395 (0.007)-----

S-2p = 10.191 (0.002)-----

S-2n = 31.196 (0.032)-----

S-alpha= 8.158 (0.002)-----

S+p = -4.145 (0.009)

S+n = -13.078 (0.002)

S+2p = -4.300 (0.048)

S+2n = -26.766 (0.002)

S+alpha = -7.464 (0.003)

gap p = -2.058 (0.012)

gap n = 3.316 (0.007)

gap 2p = 5.891 (0.049)

gap 2n = 4.430 (0.032)

gap alpha = 0.694 (0.004)