

$^{49}\text{Mn}$        $Z = 25$        $N = 24$       [link to full NNDC output](#)

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

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-alpha=	8.160 ( 0.002)				
S-2p	= 10.192 ( 0.002)				
49MN 14				10.724 (31/2-)	14
S-p	= 2.088 ( 0.008)				
S-n	= 16.396 ( 0.007)				
S-2p	= 10.192 ( 0.002)				
S-2n	= 31.197 ( 0.032)				
S-alpha=	8.160 ( 0.002)				
S+p	= -4.145 ( 0.009)				
S+n	= -13.078 ( 0.002)				
S+2p	= -4.299 ( 0.049)				
S+2n	= -26.766 ( 0.002)				
S+alpha	= -7.464 ( 0.003)				
gap p	= -2.057 ( 0.012)				
gap n	= 3.317 ( 0.008)				
gap 2p	= 5.892 ( 0.049)				
gap 2n	= 4.431 ( 0.032)				
gap alpha	= 0.696 ( 0.004)				