

$^{61}\text{Mn}$        $Z = 25$        $N = 36$       adopted link      ENSDF link

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

BE = 524.534 ( 0.002) MeV

Qbeta- = 7.178 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
61MN 1				0.000	5/2(-) 1 0.709 S 8
61MN 2				0.157	(7/2-) 2
61MN 3				1.035	(9/2-) 3
61MN 4				1.142	(1/2-,3/2) 4
61MN 5				1.282	(11/2-) 5
61MN 6				1.497	(3/2,5/2,7/2) 6
61MN 7				1.861	(3/2,5/2,7/2) 7
61MN 8				2.032	8
61MN 9				2.202	9
61MN 10				2.378	(3/2,5/2,7/2) 10
61MN 11				2.502	(15/2-) 11
61MN 12				2.608	12
61MN 13				2.753	13
61MN 14				3.132	14
61MN 15				3.572	15
61MN 16				0.000	(5/2-) 16

S-p = 12.123 ( 0.003)-----

S-n = 6.846 ( 0.003)-----

S-2p = 28.709 ( 0.137)-----

S-2n = 12.359 ( 0.003)-----

S-alpha= 9.732 ( 0.085)-----

S+p = -14.425 ( 0.004)

S+n = -4.853 ( 0.007)

S+2p = -24.687 ( 0.019)

S+2n = -11.287 ( 0.004)

S+alpha = -9.868 ( 0.003)

gap p = -2.302 ( 0.004)

gap n = 1.992 ( 0.008)

gap 2p = 4.022 ( 0.139)

gap 2n = 1.072 ( 0.005)

gap alpha = -0.136 ( 0.085)