

^{23}Al $Z = 13$ $N = 10$ adopted link ENSDF link

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

BE = 168.722 (0.000) MeV

Qbeta+ = 12.222 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
23AL 1	0.000	5/2+			1 446 MS 6
S-p =	0.141 (0.000)				
23AL 2				0.550 (1/2+)	2
23AL 3				1.475 (3/2+)	3
23AL 4				1.619 (7/2+)	4
23AL 5				1.773	5
23AL 6				2.575	6
23AL 7				3.000 (3/2+)	7
23AL 8				3.140 (7/2+,5/2+)	8
23AL 9				3.197 (3/2+)	9
23AL 10				3.260 (7/2+,5/2+)	10
23AL 11				3.709 (5/2+)	11
23AL 12				3.950 (7/2+)	12
23AL 13				4.156 (7/2+)	13
23AL 14				5.134	14

S-p = 0.141 (0.000)-----
 S-n = 19.518 (0.396)-----
 S-2p = 5.645 (0.000)-----
 S-2n = 36.485 (0.609)-----
 S-alpha= 8.606 (0.011)-----

S+p = -3.292 (0.019)
 S+n = -14.868 (0.000)
 S+2p = -1.128 (0.400)
 S+2n = -31.807 (0.000)
 S+alpha = -9.832 (0.009)

gap p = -3.151 (0.019)
 gap n = 4.650 (0.396)
 gap 2p = 4.517 (0.400)
 gap 2n = 4.678 (0.609)
 gap alpha = -1.226 (0.014)