

^{23}Al $Z = 13$ $N = 10$ [link to full NNDC output](#)

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

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+			1 470 MS 30
S-p =	0.141 (0.000)				
23AL 2	0.550	1/2+			2 6.2 AS
23AL 3				1.773 (3/2)+	3
23AL 4				2.575	4
23AL 5				3.197 (3/2)+	5
23AL 6				3.718 (5/2)+	6
23AL 7				4.200 (7/2)+	7
S-alpha=	8.606 (0.011)				
S-2p =	5.645 (0.000)				
23AL 8				11.780 (5/2)+	8

S-p = 0.141 (0.000)-----
 S-n = 0.000 (0.000)-----
 S-2p = 5.645 (0.000)-----
 S-2n = 0.000 (0.000)-----
 S-alpha= 8.606 (0.011)-----

S+p = -3.292 (0.019)
 S+n = -14.868 (0.000)
 S+2p = 0.000 (0.000)
 S+2n = -31.807 (0.000)
 S+alpha = -9.895 (0.026)

gap p = -3.151 (0.019)
 gap n = 0.000 (0.000)
 gap 2p = 0.000 (0.000)
 gap 2n = 0.000 (0.000)
 gap alpha = -1.289 (0.028)