

^{24}Al $Z = 13$ $N = 11$ [link to full NNDC output](#)

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

BE = 183.590 (0.000) MeV

Qbeta+ = 13.885 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
24AL 1	0.000	4+			1 2.053 S 4
24AL 2	0.426	1+			2 130 MS 3
24AL 3	0.511	2+			3
24AL 4				1.111 (1,2,3)+	4
24AL 5				1.275 (3,4,5)+	5
24AL 6				1.563 (3,4,5,6)+	6
24AL 7				1.638 (3,4,5)+	7
S-p =	1.864 (0.000)				
24AL 8				2.369 (3,4,5)+	8
24AL 9				2.546 (3,4,5)+	9
24AL 10				2.832 (1,2,3)+	10
24AL 11				2.920 (1,2,3)+	11
24AL 12	3.027	1+			12
24AL 13				3.306 (1,2,3)+	13
24AL 14	3.370	1+			14
24AL 15				3.384	15
24AL 16				3.492	16
24AL 17				3.608	17
24AL 18				3.716	18
24AL 19				3.909	19
24AL 20				4.057	20
24AL 21				4.129	21
24AL 22				4.315	22
24AL 23	4.400	1+			23
24AL 24				4.488	24
24AL 25	4.670	1+			25
24AL 26				4.762	26
24AL 27	4.970	1+			27
24AL 28				5.045	28
24AL 29				5.337	29
24AL 30	5.430	1+			30
24AL 31				5.470 1	31
24AL 32				5.531	32
24AL 33				5.614	33
24AL 34				5.692	34
24AL 35	5.788	1+			35
24AL 36				5.908	36

24AL 37		5.957	0+			37
24AL 38						6.005
24AL 39						6.170
24AL 40		6.250	1+			40

24AL 41						6.324
24AL 42						6.462
24AL 43		6.530	1+			43
24AL 44						6.554
24AL 45						6.697
24AL 46						6.797
24AL 47						6.925
24AL 48						7.086
24AL 49						7.360
24AL 50						7.441

24AL 51						7.679

S-p = 1.864 (0.000)-----
 S-n = 14.868 (0.000)-----
 S-2p = 9.445 (0.000)-----
 S-2n = 0.000 (0.000)-----
 S-alpha= 9.324 (0.001)-----

S+p = -3.413 (0.010)
 S+n = -16.938 (0.000)
 S+2p = 0.000 (0.000)
 S+2n = -28.304 (0.000)
 S+alpha = -9.524 (0.001)

gap p = -1.548 (0.010)
 gap n = -2.070 (0.000)
 gap 2p = 0.000 (0.000)
 gap 2n = 0.000 (0.000)
 gap alpha = -0.199 (0.002)