

^{29}Al $Z = 13$ $N = 16$ [link to full NNDC output](#)

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

BE = 242.105 (0.000) MeV

Qbeta- = 3.687 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
29AL 1	0.000	5/2+			1 6.56 M 6
29AL 2	1.398	1/2+			2 4.5 PS 3
29AL 3	1.754	7/2+			3 22 FS 7
29AL 4	2.224	3/2+			4 75 FS 17
29AL 5	2.866	3/2+			5 71 FS 17
29AL 6				3.062 (5/2)+	6 58 FS 21
29AL 7	3.185	5/2+			7 124 FS 23
29AL 8	3.433	1/2+			8 7 NS LT
29AL 9				3.578 (9/2)+	9 25 FS 7
29AL 10				3.641 (5/2)+	10 70 FS LT
29AL 11				3.672 (3/2,5/2)+	11 70 FS LT
29AL 12				3.935 (3/2,7/2)+	12 90 FS 21
29AL 13				3.986 (5/2-,7/2-)	13 28 FS LT
29AL 14				4.057 (1/2,3/2)+	14 83 FS 48
29AL 15	4.220	5/2+			15 42 FS 15
29AL 16				4.403 (7/2)+	16 42 FS 21
29AL 17	4.656	5/2+			17
29AL 18				4.715	18
29AL 19				4.828	19 42 FS 21
29AL 20				4.941	20 29 FS 8
29AL 21				5.023	21 83 FS LT
29AL 22				5.145	22
29AL 23				5.182	23
29AL 24				5.248	24 90 FS LT
29AL 25				5.264	25 76 FS 49
29AL 26				5.392	26
29AL 27				5.433	27
29AL 28				5.549	28
29AL 29				5.580	29
29AL 30				5.660	30
29AL 31				5.733	31
29AL 32				5.855 11/2+, (7/2,9/2+)	32 29 FS 13
29AL 33				5.922	33
29AL 34				5.994 (1/2+ TO 7/2+)	34 62 FS LT
29AL 35				6.068	35
29AL 36				6.154	36
29AL 37				6.359	37

29AL	38				6.410	38
29AL	39				6.450	39
29AL	40				6.472	40

29AL	41				6.516	41
29AL	42				6.582	42
29AL	43				6.670	43
29AL	44				6.689	44
29AL	45				6.762	45
29AL	46				6.840	46
29AL	47				6.984	47
29AL	48				7.065	48
29AL	49				7.093	49
29AL	50				7.179	50

S-p = 10.478 (0.002)-----
 S-n = 9.428 (0.000)-----
 S-2p = 27.268 (0.004)-----
 S-2n = 17.154 (0.000)-----
 S-alpha= 11.275 (0.001)-----

S+p = -13.514 (0.000)
 S+n = -5.728 (0.003)
 S+2p = -20.811 (0.000)
 S+2n = -12.886 (0.002)
 S+alpha = -10.554 (0.001)

gap p = -3.036 (0.002)
 gap n = 3.700 (0.003)
 gap 2p = 6.457 (0.004)
 gap 2n = 4.268 (0.002)
 gap alpha = 0.720 (0.002)