

^{44}Ar $Z = 18$ $N = 26$ [link to full NNDC output](#)

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

BE = 373.729 (0.002) MeV

Qbeta- = 3.108 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
44AR 1	0.000	0+			1 11.87 M 5
44AR 2	0.750	0+			2
44AR 3	1.158	2+			3 4.7 PS 7
44AR 4				1.610 (2+)	4
44AR 5				2.011 (2+)	5 1.5 PS 2
44AR 6				2.746 (4+)	6 2.7 PS +25-20
44AR 7				2.976 (0+:4+)	7
44AR 8				3.439 (6+)	8 27.7 PS GT
44AR 9				3.980	9
44AR 10				4.430	10
44AR 11				4.807 (0+:4+)	11
44AR 12				5.352 (0+:4+)	12

S-p = 15.803 (0.062)-----
 S-n = 8.735 (0.006)-----
 S-2p = 29.613 (0.003)-----
 S-2n = 14.393 (0.006)-----
 S-alpha= 12.260 (0.004)-----

S+p = -11.231 (0.002)
 S+n = -5.169 (0.002)
 S+2p = -25.044 (0.003)
 S+2n = -13.242 (0.002)
 S+alpha = -13.976 (0.002)

gap p = 4.571 (0.062)
 gap n = 3.566 (0.006)
 gap 2p = 4.569 (0.004)
 gap 2n = 1.151 (0.006)
 gap alpha = -1.716 (0.005)