

^{43}Ar $Z = 18$ $N = 25$ [link to full NNDC output](#)

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

BE = 364.994 (0.005) MeV

Qbeta- = 4.566 (0.005) MeV

	Energy T	J+	J-	J-other	T1/2
43AR 1				0.000	5/2(-) 1 5.37 M 6
43AR 2				0+X	2
43AR 3				0.201	(7/2-) 3
43AR 4				0.762	(3/2-) 4
43AR 5				1.382	5
43AR 6				1.441	6
43AR 7				1527.4+X	7
43AR 8				1.610	(3/2-) 8
43AR 9				1.740	9
43AR 10				1.794	(3/2+) 10
43AR 11				1.817	11
43AR 12				1859+X	12
43AR 13				1.945	13
43AR 14				2.344	14
43AR 15				2.391	15
43AR 16				2.520	16
43AR 17				2.799	17
43AR 18				3.375	18
43AR 19				3.396	19
43AR 20				3.425	20
43AR 21				3.549	21
43AR 22				4.247	(3/2+) 22
43AR 23				4.289	23
43AR 24				4.551	24
43AR 25				4.740	25

S-p = 14.467 (0.060)-----

S-n = 5.658 (0.008)-----

S-2p = 27.579 (0.007)-----

S-2n = 15.085 (0.005)-----

S-alpha= 11.272 (0.050)-----

S+p = -11.061 (0.005)

S+n = -8.735 (0.006)

S+2p = -23.380 (0.005)

S+2n = -13.904 (0.005)

S+alpha = -12.759 (0.006)

gap p = 3.406 (0.060)
gap n = -3.076 (0.010)
gap 2p = 4.199 (0.009)
gap 2n = 1.181 (0.008)
gap alpha = -1.487 (0.051)