

^{79}As $Z = 33$ $N = 46$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 685.453 (0.005) MeV

Qbeta- = 2.281 (0.005) MeV

	Energy T	J+	J-	J-other	T1/2

79AS 1			0.000	3/2-	1 9.01 M 15
79AS 2			0.100	(1/2-)	2
79AS 3			0.110	(3/2)-	3
79AS 4			0.231	(5/2)-	4
79AS 5			0.499	(1/2)-	5
79AS 6				0.604 (1/2,3/2)	6
79AS 7				0.634 (5/2,7/2)	7
79AS 8	0.773	(9/2)+			8 1.21 US 1
79AS 9				0.875 (LE 7/2)	9
79AS 10	1.012	(5/2+)			10

79AS 11			1.016	(3/2)-	11
79AS 12			1.048	(1/2)-	12
79AS 13			1.143	(5/2)-	13
79AS 14				1.412	14
79AS 15				1.434	15
79AS 16				1.490	16
79AS 17				1.497 (5/2+,7/2)	17
79AS 18			1.506	(3/2)-	18
79AS 19				1.518	19
79AS 20				1.710	20

79AS 21	1.811	(9/2)+			21
79AS 22				1.869 (1/2-,3/2)	22
79AS 23				1.890 (5/2+,7/2)	23
79AS 24			1.895	(1/2)-	24
79AS 25				1.942	25
79AS 26	1.965	(9/2)+			26
79AS 27			2.056	(3/2)-	27
79AS 28	2.128	(1/2+)			28
79AS 29				2.219	29
79AS 30				2.329	30

79AS 31	2.553	1/2+			31
79AS 32	2.636	1/2+			32
79AS 33				2.835	33
79AS 34			2.945	(5/2-)	34
79AS 35			3.071	(5/2)-	35
79AS 36				3.166	36

79AS	37				3.332	37
79AS	38				3.479	38

S-p = 9.063 (0.006) -----
 S-n = 8.890 (0.011) -----
 S-2p = 22.222 (0.006) -----
 S-2n = 15.862 (0.006) -----
 S-alpha= 7.600 (0.005) -----

S+p = -11.412 (0.005)
 S+n = -6.650 (0.006)
 S+2p = -18.919 (0.005)
 S+2n = -15.040 (0.006)
 S+alpha = -7.803 (0.007)

gap p = -2.349 (0.008)
 gap n = 2.241 (0.013)
 gap 2p = 3.303 (0.008)
 gap 2n = 0.823 (0.008)
 gap alpha = -0.202 (0.008)