

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

Based on ENSDF from Oct 2022, 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+,9/2+)	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+,9/2+)	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

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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)
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