

^{80}As $Z = 33$ $N = 47$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 692.103 (0.003) MeV

Qbeta- = 5.545 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
80AS 1	0.000	1+			1 15.2 S 2
80AS 2				0.243	2
80AS 3	0.265	1+			3
80AS 4				0.311 (LE 3)	4
80AS 5				0.361 (LE 3)	5
80AS 6				0.470	6
80AS 7				0.517	7
80AS 8				0.649	8
80AS 9	0.680	1+			9
80AS 10				0.805	10
80AS 11				0.910	11
80AS 12	0.937	1+			12
80AS 13				0.949	13
80AS 14				1.045	14
80AS 15				1.170	15
80AS 16				1.270	16
80AS 17				1.310	17
80AS 18				1.385	18
80AS 19				1.494	19
80AS 20				1.616	20
80AS 21				1.690	21
80AS 22				1.790	22
80AS 23	1.873	1+			23

S-p = 9.976 (0.037)-----

S-n = 6.650 (0.006)-----

S-2p = 23.088 (0.003)-----

S-2n = 15.540 (0.010)-----

S-alpha= 8.343 (0.004)-----

S+p = -11.463 (0.003)

S+n = -8.390 (0.004)

S+2p = -19.862 (0.003)

S+2n = -14.034 (0.005)

S+alpha = -7.993 (0.026)

gap p = -1.487 (0.037)

gap n = -1.740 (0.008)
gap 2p = 3.226 (0.005)
gap 2n = 1.507 (0.011)
gap alpha = 0.349 (0.026)