

^{89}Br $Z = 35$ $N = 54$ adopted link ENSDF link

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

BE = 759.239 (0.003) MeV

Qbeta- = 8.261 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
89BR 1			0.000	(5/2-)	1 4.357 S 22
89BR 2			0.130	(3/2-)	2
89BR 3			0.507	(7/2-)	3
89BR 4			0.531	(5/2-)	4
89BR 5			0.953	(7/2-)	5
89BR 6	1.546	(9/2+)			6
89BR 7	2.137	(13/2+)			7
89BR 8	3.035	(17/2+)			8
89BR 9	3.778	(19/2+)			9
89BR 10	4.032	(21/2+)			10
89BR 11	4.858	(23/2+)			11

S-p = 11.679 (0.005) -----
 S-n = 5.630 (0.005) -----
 S-2p = 27.234 (0.004) -----
 S-2n = 10.525 (0.005) -----
 S-alpha = 7.510 (0.004) -----

S+p = -13.974 (0.004)
 S+n = -3.797 (0.005)
 S+2p = -24.049 (0.008)
 S+2n = -8.976 (0.005)
 S+alpha = -6.771 (0.008)

gap p = -2.295 (0.006)
 gap n = 1.832 (0.007)
 gap 2p = 3.185 (0.010)
 gap 2n = 1.550 (0.007)
 gap alpha = 0.740 (0.010)