

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

Based on ENSDF from Oct 2022, 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
89BR 12				0.000 (5/2-)	12

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)