

$^{84}\text{Br}$        $Z = 35$        $N = 49$       adopted link      ENSDF link

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

BE      =      728.392 ( 0.026) MeV

Qbeta- =      4.656 ( 0.026) MeV

	Energy T	J+	J-	J-other	T1/2
84BR 1			0.000	2-	
84BR 2				0.320	(6)-
84BR 3	0.408	1+			
84BR 4				0.850	(7-)
84BR 5				1.821	(7+)
84BR 6				2.016	(8+)
84BR 7				2.016	(8-)
84BR 8				2.291	(9-)
84BR 9				2.710	(10-)
84BR 10				2.742	(9+)

S-p      =      9.732 ( 0.026)-----  
S-n      =      6.841 ( 0.026)-----  
S-2p    =      22.256 ( 0.026)-----  
S-2n    =      16.427 ( 0.026)-----  
S-alpha=      7.993 ( 0.026)-----

S+p      = -10.986 ( 0.026)  
S+n      = -8.864 ( 0.026)  
S+2p    = -19.542 ( 0.026)  
S+2n    = -13.992 ( 0.026)  
S+alpha = -7.251 ( 0.026)

gap p    = -1.255 ( 0.037)  
gap n    = -2.023 ( 0.037)  
gap 2p   = 2.714 ( 0.037)  
gap 2n   = 2.435 ( 0.037)  
gap alpha = 0.743 ( 0.037)