

$^{85}\text{Br}$        $Z = 35$        $N = 50$       adopted link      ENSDF link

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

BE = 737.255 ( 0.003) MeV

Qbeta- = 2.905 ( 0.004) MeV

	Energy T	J+	J-	J-other	T1/2
85BR 1			0.000	3/2-	1 2.90 M 6
85BR 2			0.345	5/2-	2
85BR 3			0.956	3/2-	3
85BR 4			1.191	1/2-	4
85BR 5				1.427 (7/2-)	5
85BR 6				1.553 (1/2-:7/2-)	6
85BR 7				1.572 9/2(-)	7
85BR 8				1.725 (3/2,5/2,7/2)	8
85BR 9			1.795	1/2-	9
85BR 10				1.859 (9/2+)	10
85BR 11				1.944 (1/2-:7/2-)	11
85BR 12				2.166 (11/2-)	12
85BR 13			2.310	3/2-	13
85BR 14				2.800 (5/2,7/2)	14
85BR 15				2.992 (11/2+)	15
85BR 16				3.008 (3/2,5/2,7/2-)	16
85BR 17				3.326 (13/2-)	17
85BR 18			3.401	7/2-	18
85BR 19				3.422 (13/2+)	19
85BR 20				3.540 (3/2,5/2,7/2-)	20
85BR 21				3.645 (3/2,5/2,7/2)	21
85BR 22				3.680 (3/2,5/2,7/2)	22
85BR 23				3.685 (13/2+)	23
85BR 24				3.708 (15/2-)	24
85BR 25				3.742 (3/2)+	25
85BR 26				3.824 (3/2,5/2-)	26
85BR 27				3.856 (15/2+)	27
85BR 28				3.956 (15/2)	28
85BR 29				3.970 (3/2,5/2,7/2)+	29
85BR 30				4.000 (3/2,5/2,7/2)+	30
85BR 31				4.029 (3/2)+	31
85BR 32				4.119 (3/2,5/2,7/2)+	32
85BR 33				4.172 (3/2,5/2,7/2)	33
85BR 34				4.299 (3/2,5/2,7/2)+	34
85BR 35				4.342 (17/2-)	35
85BR 36				4.440 (17/2+)	36
85BR 37				4.511 (3/2,5/2,7/2-)	37

85BR	38			4.658	(17/2+)	38
85BR	39			4.679	(17/2+)	39
85BR	40			4.908	(19/2+)	40
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85BR	41			5.114	(19/2-)	41
85BR	42			5.391	(21/2)	42

  

S-p = 9.917 ( 0.004)-----  
S-n = 8.864 ( 0.026)-----  
S-2p = 23.484 ( 0.004)-----  
S-2n = 15.704 ( 0.005)-----  
S-alpha= 8.467 ( 0.004)-----

S+p = -11.979 ( 0.003)  
S+n = -5.128 ( 0.004)  
S+2p = -20.600 ( 0.003)  
S+2n = -11.459 ( 0.004)  
S+alpha = -5.562 ( 0.006)

gap p = -2.062 ( 0.005)  
gap n = 3.736 ( 0.026)  
gap 2p = 2.884 ( 0.005)  
gap 2n = 4.246 ( 0.007)  
gap alpha = 2.905 ( 0.007)