

^{75}Br $Z = 35$ $N = 40$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 647.074 (0.004) MeV

Qbeta+ = 3.063 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2			
75BR	1		0.000	3/2-	1	96.7 M	13	
75BR	2		0.120	5/2-	2	1.7 NS	3	
75BR	3			0.132	(5/2)+	3	6.1 NS	4
75BR	4			0.155	(3/2)+	4	1.2 NS	3
75BR	5			0.179	(1/2-)	5		
75BR	6			0.221	(9/2)+	6	31.7 NS	3
75BR	7			0.273	(1/2,3/2)-	7		
75BR	8			0.296	(3/2,5/2)-	8		
75BR	9			0.352	(5/2)-	9		
75BR	10			0.374	(7/2)+	10	57 PS	5
75BR	11			0.518	(7/2-)	11	7.1 PS	5
75BR	12			0.524		12		
75BR	13			0.702		13		
75BR	14			0.736		14		
75BR	15			0.773	(9/2-)	15	4.0 PS	4
75BR	16			0.777		16		
75BR	17			0.784	(13/2+)	17	4.7 PS	4
75BR	18			0.803		18		
75BR	19			0.820		19		
75BR	20			0.833		20		
75BR	21			0.848	(9/2+)	21		
75BR	22			0.902	(3/2,5/2)	22		
75BR	23			0.929		23		
75BR	24			0.940	(11/2+)	24	4.6 PS	9
75BR	25			0.947		25		
75BR	26			1.023		26		
75BR	27			1.048		27		
75BR	28			1.072	(5/2+,7/2)	28		
75BR	29			1.145		29		
75BR	30			1.150	(11/2-)	30	2.29 PS	7
75BR	31			1.179		31		
75BR	32			1.224		32		
75BR	33			1.226		33		
75BR	34			1.240		34		
75BR	35			1.258	(9/2-)	35		
75BR	36			1.447		36		
75BR	37			1.501	(3/2+,5/2,7/2+)	37		

75BR 38				1.512	(13/2+)	38		
75BR 39				1.516	(13/2-)	39	0.9 PS	3
75BR 40				1.602	(3/2+,5/2+)	40		

75BR 41				1.612	(5/2,7/2)+	41		
75BR 42				1.614	(17/2+)	42	0.80 PS	13
75BR 43				1.636		43		
75BR 44				1.745		44		
75BR 45				1.789		45		
75BR 46				1.791	(15/2+)	46	0.75 PS	15
75BR 47				1.801		47		
75BR 48				1.897	(15/2-)	48	0.76 PS	7
75BR 49				2.070	(13/2-)	49		
75BR 50				2.124		50		

75BR 51				2.133	(13/2-)	51		
75BR 52				2.208	(3/2,5/2)	52		
75BR 53				2.301	(17/2+)	53		
75BR 54				2.356	(17/2-)	54	0.81 PS	17
75BR 55				2.606	(15/2-)	55		
75BR 56				2.659	(21/2+)	56	0.31 PS	4
75BR 57				2.756	(19/2-)	57	0.55 PS	14
75BR 58				2.776	(17/2-)	58		
75BR 59				2.864	(19/2+)	59	0.326 PS	35
75BR 60				2.946		60		

75BR 61				3.223	(21/2+)	61		
75BR 62				3.226	(19/2-)	62		
75BR 63				3.274	(21/2-)	63	0.50 PS	7
75BR 64				3.326	(19/2-)	64		
75BR 65				3.439	(21/2+)	65		

S-alpha=	3.639	(0.006)	-----				
75BR 66				3.665	(21/2-)	66		
75BR 67				3.778	(23/2-)	67	0.37 PS	8
75BR 68				3.870	(25/2+)	68	0.13 PS	3
75BR 69				4.016		69		
75BR 70				4.137	(23/2+)	70		

75BR 71				4.172	(23/2-)	71		

S-p	=	4.183	(0.004)	-----			
75BR 72				4.199	(25/2+)	72	0.24 PS	+2-3
75BR 73				4.350	(25/2-)	73	0.28 PS	4
75BR 74				4.417	(25/2+)	74		
75BR 75				4.525	(25/2+)	75		
75BR 76				4.782	(25/2-)	76		
75BR 77				4.969	(27/2-)	77	0.18 PS	3
75BR 78				5.192	(29/2+)	78	0.13 PS	3
75BR 79				5.294	(27/2-)	79		
75BR 80				5.526	(29/2+)	80		

75BR 81						5.604	(29/2-)	81	0.12 PS	3
75BR 82						5.709	(29/2+)	82		
75BR 83						5.811	(29/2+)	83		
75BR 84						6.238	(31/2-)	84	0.21 PS	11
75BR 85						6.587	(31/2-)	85		
75BR 86						6.631	(33/2+)	86	55 FS	14
75BR 87						6.940	(33/2-)	87	62 FS	+21-14
75BR 88						6.992	(33/2+)	88		
75BR 89						7.062	(1/2)-	89	15.1 KEV	23
75BR 90						7.077	(33/2+)	90		

75BR 91						7.225	(33/2+)	91		
75BR 92		7.400		1/2+				92	9.0 KEV	19
75BR 93						7.642	(35/2-)	93		
75BR 94		7.903		1/2+				94	4.2 KEV	35
75BR 95						7.921	(1/2-,3/2-)	95	9.5 KEV	38
75BR 96		7.990		1/2+				96	13.5 KEV	24
75BR 97						8.016	(3/2-)	97	7.3 KEV	27
75BR 98						8.052	(35/2-)	98		
75BR 99		8.157		1/2+				99	29.3 KEV	19
75BR 100						8.279	(37/2+)	100	21 FS	+7-6

75BR 101						8.307	(3/2+,5/2+)	101	19.9 KEV	14
75BR 102						8.334	(37/2-)	102	21 FS	7
75BR 103						8.384	(3/2+,5/2+)	103	22.9 KEV	28
75BR 104						8.503	(3/2+,5/2+)	104	6.8 KEV	34
75BR 105		8.547		1/2+				105	9.5 KEV	24
75BR 106						8.645	(37/2+)	106		
75BR 107						8.693	(37/2+)	107		
75BR 108						9.212	(39/2-)	108		
75BR 109						9.705	(39/2-)	109		
75BR 110						9.884	(41/2-)	110	14 FS	4

75BR 111						10.151	(41/2+)	111	0.09 PS	+1-5
75BR 112						10.413	(41/2+)	112		
75BR 113						10.444	(41/2+)	113		
75BR 114						10.453	(41/2+)	114		
75BR 115						10.909	(43/2-)	115		
75BR 116						11.516	(43/2-)	116		
75BR 117						11.656	(45/2-)	117	0.13 PS	+1-5

S-n	=	11.890	(0.007)	-----					
75BR 118						12.107	(45/2+)	118		
75BR 119						12.208	(45/2+)	119		

S-2p	=	12.732	(0.006)	-----					
75BR 120						12.799	(47/2-)	120		

75BR 121						13.682	(49/2-)	121		

S-p	=	4.183	(0.004)	-----					

S-n = 11.890 (0.007)-----
S-2p = 12.732 (0.006)-----
S-2n = 21.602 (0.008)-----
S-alpha= 3.639 (0.006)-----

S+p = -7.196 (0.006)
S+n = -9.253 (0.010)
S+2p = -10.301 (0.004)
S+2n = -20.270 (0.005)
S+alpha = -4.121 (0.005)

gap p = -3.013 (0.007)
gap n = 2.637 (0.013)
gap 2p = 2.431 (0.007)
gap 2n = 1.332 (0.010)
gap alpha = -0.482 (0.008)