

$^{71}\text{Br}$        $Z = 35$        $N = 36$       [link to full NNDC output](#)

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

BE = 602.184 ( 0.005) MeV

Qbeta+ = 6.644 ( 0.006) MeV

	Energy T	J+	J-	J-other	T1/2
71BR 1				0.000 (5/2)-	1 21.4 S 6
71BR 2				0.010 (1/2-)	2
71BR 3				0.208 (3/2-)	3
71BR 4				0.407 (5/2-)	4
71BR 5				0.615 (3/2,7/2-)	5
71BR 6				0.670 (5/2+)	6
71BR 7				0.722 (7/2-)	7
71BR 8				0.759 (9/2+)	8 32.5 NS 25
71BR 9				0.776 (5/2-)	9
71BR 10				0.807 (7/2-)	10
71BR 11				0.892 (7/2+)	11
71BR 12				0.929 (7/2-)	12
71BR 13				1.055 (9/2-)	13
71BR 14				1.070 (7/2-)	14
71BR 15				1.174 (9/2+)	15
71BR 16				1.490 (11/2+)	16
71BR 17				1.492 (9/2-)	17
71BR 18				1.497 (13/2+)	18
71BR 19				1.586 (11/2+)	19
71BR 20				1.683 (9/2-)	20
71BR 21				1.714 (11/2-)	21
S-p =	1.862 ( 0.006)				
71BR 22				2.122 (13/2+)	22
71BR 23				2.217 (13/2-)	23
71BR 24				2.217 (13/2+)	24
S-alpha=	2.340 ( 0.005)				
71BR 25				2.352 (15/2+)	25
71BR 26				2.393 (17/2+)	26
71BR 27				2.478 (13/2-)	27
71BR 28				2.520 (15/2-)	28
71BR 29				3.047 (17/2+)	29
71BR 30				3.188 (17/2-)	30
71BR 31				3.262 (17/2+)	31
71BR 32				3.377 (17/2-)	32
71BR 33				3.434 (19/2+)	33
71BR 34				3.475 (21/2+)	34
71BR 35				3.529 (19/2-)	35

71BR 36				4.016	(21/2-)	36
71BR 37				4.092	(21/2+)	37
71BR 38				4.311	(21/2-)	38
71BR 39				4.314	(21/2+)	39
71BR 40				4.503	(25/2+)	40
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71BR 41				4.742	(23/2-)	41
71BR 42				4.744	(25/2+)	42
71BR 43				4.746	(23/2+)	43
71BR 44				4.969	(25/2+)	44
71BR 45				5.314	(25/2+)	45
71BR 46				5.375	(25/2-)	46
71BR 47				5.812	(29/2+)	47
71BR 48				5.995	(27/2+)	48
71BR 49				6.167	(27/2-)	49
71BR 50				6.191	(29/2+)	50
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71BR 51				6.613	(29/2-)	51
71BR 52				6.709	(29/2+)	52
71BR 53				7.157	(33/2+)	53
71BR 54				7.425		54
71BR 55				7.471	(31/2+)	55
71BR 56				7.759	(31/2-)	56
71BR 57				7.786	(33/2-)	57
71BR 58				7.790	(33/2+)	58
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S-2p	=	7.968	( 0.032)	-----		
71BR 59				8.245	(33/2+)	59
71BR 60				8.423		60
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71BR 61				8.956	(37/2+)	61
71BR 62				9.090	(35/2+)	62
71BR 63				9.195	(37/2-)	63
71BR 64				9.320	(35/2-)	64
71BR 65				9.527	(37/2+)	65
71BR 66				9.722		66
71BR 67				9.997	(37/2+)	67
71BR 68				10.752	(39/2+)	68
71BR 69				10.992	(41/2+)	69
71BR 70				11.031	(41/2-)	70
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71BR 71				11.434	(41/2+)	71
71BR 72				11.488		72
71BR 73				12.381	(43/2+)	73
71BR 74				12.875	(45/2+)	74
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S-n	=	13.148	( 0.016)	-----		
71BR 75				13.472	(45/2+)	75
71BR 76				14.959	(49/2+)	76
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S-p	=	1.862	( 0.006)	-----		

S-n = 13.148 ( 0.016)-----  
S-2p = 7.968 ( 0.032)-----  
S-2n = 26.386 ( 0.042)-----  
S-alpha= 2.340 ( 0.005)-----

S+p = -4.727 ( 0.010)  
S+n = -10.631 ( 0.005)  
S+2p = 0.000 ( 0.000)  
S+2n = -23.288 ( 0.009)  
S+alpha = -3.141 ( 0.006)

gap p = -2.866 ( 0.011)  
gap n = 2.518 ( 0.017)  
gap 2p = 0.000 ( 0.000)  
gap 2n = 3.098 ( 0.043)  
gap alpha = -0.801 ( 0.008)