

^{71}Br $Z = 35$ $N = 36$ adopted link ENSDF link

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

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

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

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

S-2p	=	7.968	(0.032)	-----		
71BR 59				8.245	(33/2+)	59
71BR 60				8.423		60

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

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	=	-4.087	(0.041)			
S+2n	=	-23.286	(0.009)			
S+alpha	=	-3.141	(0.006)			

gap p = -2.866 (0.011)
gap n = 2.518 (0.017)
gap 2p = 3.881 (0.052)
gap 2n = 3.100 (0.043)
gap alpha = -0.801 (0.008)