

^{147}Ba $Z = 56$ $N = 91$ adopted link ENSDF link

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

BE = 1202.936 (0.020) MeV

Qbeta- = 6.414 (0.022) MeV

	Energy T	J+	J-	J-other	T1/2
147BA 1				0.000 (5/2-)	1 0.894 S 7
147BA 2				0.046 (3/2-,5/2-)	2 0.51 NS 8
147BA 3				0.075	3
147BA 4				0.085 (5/2-)	4 0.37 NS 10
147BA 5				0.110 (7/2-)	5 1.4 NS
147BA 6				0.186 (7/2-)	6
147BA 7				0.199	7
147BA 8				0.239 (9/2-)	8
147BA 9				0.279 (9/2-)	9
147BA 10				0.292 (-)	10 0.3 NS

147BA 11				0.319	11
147BA 12				0.327	12
147BA 13				0.360 (9/2+)	13
147BA 14				0.366 (-)	14
147BA 15				0.397 (-)	15
147BA 16				0.426	16
147BA 17				0.427	17
147BA 18				0.451 (13/2+)	18
147BA 19				0.451	19
147BA 20				0.462	20

147BA 21				0.474 (11/2)	21
147BA 22				0.487	22
147BA 23				0.491	23
147BA 24				0.514 (-)	24
147BA 25				0.544	25
147BA 26				0.547 (13/2-)	26
147BA 27				0.564	27
147BA 28				0.573 (11/2)	28
147BA 29				0.587	29
147BA 30				0.596	30

147BA 31				0.628	31
147BA 32				0.642 (-)	32
147BA 33				0.656	33
147BA 34				0.670 (13/2-)	34
147BA 35				0.691 (17/2+)	35
147BA 36				0.706	36
147BA 37				0.712	37

147BA 38				0.716		38
147BA 39				0.720		39
147BA 40				0.738		40

147BA 41				0.744		41
147BA 42				0.774		42
147BA 43				0.782	(15/2)	43
147BA 44				0.787		44
147BA 45				0.802		45
147BA 46				0.843	(15/2)	46
147BA 47				0.921		47
147BA 48				0.931		48
147BA 49				0.972	(17/2-)	49
147BA 50				1.016		50

147BA 51				1.046		51
147BA 52				1.067	(21/2+)	52
147BA 53				1.079		53
147BA 54				1.090		54
147BA 55				1.133	(17/2-)	55
147BA 56				1.140		56
147BA 57				1.209		57
147BA 58				1.227	(19/2)	58
147BA 59				1.240		59
147BA 60				1.262		60

147BA 61				1.326		61
147BA 62				1.477	(21/2-)	62
147BA 63				1.558	(25/2+)	63
147BA 64				1.695	(23/2)	64
147BA 65				1.707		65
147BA 66				2.008	(25/2-)	66
147BA 67				2.142	(29/2+)	67
147BA 68				2.192	(27/2)	68
147BA 69				2.300		69
147BA 70				2.365		70

S-alpha=	2.486	(0.020)	-----			
147BA 71				2.496	(29/2-)	71
147BA 72				2.794	(33/2+)	72

S-p	=	12.243	(0.020)	-----		
S-n	=	3.469	(0.020)	-----		
S-2p	=	23.349	(0.023)	-----		
S-2n	=	8.891	(0.021)	-----		
S-alpha=	2.486	(0.020)	-----			

S+p	=	-9.734	(0.028)			
S+n	=	-5.352	(0.020)			

S+2p = -20.984 (0.022)
S+2n = -8.709 (0.020)
S+alpha = -3.386 (0.027)

gap p = 2.509 (0.034)
gap n = -1.883 (0.028)
gap 2p = 2.365 (0.032)
gap 2n = 0.181 (0.029)
gap alpha = -0.900 (0.033)