

$^{225}\text{Ra}$        $Z = 88$        $N = 137$       adopted link      ENSDF link

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

BE = 1725.207 ( 0.003) MeV

Qbeta- = 0.356 ( 0.005) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-5.097 ( 0.006)				
225RA 1	0.000	1/2+			1 14.9 D 2
225RA 2	0.025	5/2+			2 0.88 NS 4
225RA 3			0.032	3/2-	3 2.1 NS 5
225RA 4	0.043	3/2+			4 3 NS LT
225RA 5				0.055 (1/2-)	5
225RA 6				0.069 (7/2)-	6
225RA 7				0.101 (9/2)+	7
225RA 8				0.101 (3/2+)	8
225RA 9	0.112	7/2+			9
225RA 10			0.120	5/2-	10
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225RA 11	0.150	3/2+			11
225RA 12	0.180	5/2+			12
225RA 13				0.204 (9/2-)	13
225RA 14				0.216	14
225RA 15				0.221 (7/2+,9/2+)	15
225RA 16			0.225	3/2-	16
225RA 17				0.227 (11/2+)	17
225RA 18	0.236	5/2+			18
225RA 19	0.244	7/2+			19
225RA 20				0.249	20
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225RA 21				0.260 (5/2)-	21
225RA 22	0.268	7/2+			22
225RA 23				0.272	23
225RA 24	0.284	7/2+			24
225RA 25				0.293	25
225RA 26				0.322 (9/2+)	26
225RA 27				0.328	27
225RA 28				0.335	28
225RA 29				0.347	29
225RA 30				0.390 (11/2+)	30
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225RA 31				0.394 3/2-,5/2	31
225RA 32				0.395 (3/2,5/2,7/2)+	32
225RA 33				0.400	33
225RA 34				0.417	34
225RA 35				0.448	35
225RA 36				0.478 (3/2)	36

225RA 37				0.484		37
225RA 38				0.487	(13/2+)	38
225RA 39				0.535		39
225RA 40				0.546		40
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225RA 41				0.603		41
225RA 42				0.609		42
225RA 43				0.630		43
225RA 44				0.675		44
225RA 45				0.724	(3/2,5/2)	45
225RA 46				0.815	(5/2-)	46
225RA 47				0.851		47
225RA 48				0.898	(1/2-)	48
225RA 49				0.956	(5/2-)	49
225RA 50				0.967	(3/2-)	50
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225RA 51				1.009		51
225RA 52				1.025		52
225RA 53				1.056		53
225RA 54				1.070		54
225RA 55				1.091		55
225RA 56				1.156		56
225RA 57				1.184		57
225RA 58				1.225	(5/2-)	58
225RA 59				1.258		59
225RA 60				1.272		60
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225RA 61				1.334		61
225RA 62				1.377		62
225RA 63				1.441		63
225RA 64				1.479		64
225RA 65				1.553		65
225RA 66				1.766		66
225RA 67				1.792		67
225RA 68				1.872		68
225RA 69				1.912		69
225RA 70				1.972		70
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225RA 71				2.138	(13/2+)	71

S-p = 7.045 ( 0.011)-----  
S-n = 4.904 ( 0.003)-----  
S-2p = 12.975 ( 0.008)-----  
S-2n = 11.383 ( 0.003)-----  
S-alpha= -5.097 ( 0.006)-----

S+p = -4.973 ( 0.004)  
S+n = -6.397 ( 0.003)  
S+2p = -10.766 ( 0.003)

S+2n = -10.958 ( 0.003)  
S+alpha = 5.168 ( 0.004)

gap p = 2.072 ( 0.012)  
gap n = -1.493 ( 0.005)  
gap 2p = 2.208 ( 0.009)  
gap 2n = 0.425 ( 0.005)  
gap alpha = 0.071 ( 0.007)