

$^{217}\text{Ra}$        $Z = 88$        $N = 129$       adopted link      ENSDF link

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

BE = 1676.740 ( 0.007) MeV

Qbeta+ = 1.575 ( 0.010) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-9.161 ( 0.008)				
217RA 1				0.000 (9/2+)	1 1.6 US 2
217RA 2				0.209	2
217RA 3				0.331 (11/2+)	3
217RA 4				0.540 (13/2+)	4
217RA 5				0.666 (15/2-)	5
217RA 6				0.754 (7/2+)	6
217RA 7				0.931 (15/2+)	7
217RA 8				1.002 (17/2+)	8
217RA 9				1.050	9
217RA 10				1.173 (19/2-)	10
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217RA 11				1.337 (19/2+)	11
217RA 12				1.454 (21/2+)	12
217RA 13				1.611 (23/2-)	13
217RA 14				1.668 (23/2+)	14
217RA 15				1.896 (27/2+)	15 0.29 NS 14
217RA 16				1.971	16
217RA 17				2.030 (27/2-)	17
217RA 18				2.301 (29/2+)	18 0.30 NS 14
217RA 19				2.305	19
217RA 20				2.394 (33/2+)	20 4.62 NS 6
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217RA 21				2.521 (31/2-)	21
217RA 22				2.830	22
217RA 23				2.832 (37/2+)	23
217RA 24				2.895 (37/2+)	24
217RA 25				3.132 (35/2)	25
217RA 26				3.257 (37/2+)	26
217RA 27				3.506 (39/2)	27
217RA 28				3.629 (41/2+)	28
217RA 29				3.825 (45/2+)	29 1.49 NS 7
217RA 30				4.186 (47/2)	30
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217RA 31				4.327	31
217RA 32				4.344	32
S-p =	4.370 ( 0.008)				
217RA 33				4.823	33
217RA 34				4.999	34

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S-p    =  4.370 ( 0.008)-----  
S-n    =  5.473 ( 0.011)-----  
S-2p   =  7.519 ( 0.009)-----  
S-2n   = 12.785 ( 0.010)-----  
S-alpha= -9.161 ( 0.008)-----  
  
S+p     = -2.328 ( 0.058)  
S+n     = -7.315 ( 0.012)  
S+2p    = -6.005 ( 0.057)  
S+2n    = -12.638 ( 0.010)  
S+alpha  =  8.625 ( 0.011)  
  
gap p   =  2.043 ( 0.059)  
gap n   = -1.842 ( 0.016)  
gap 2p  =  1.515 ( 0.058)  
gap 2n  =  0.147 ( 0.014)  
gap alpha = -0.535 ( 0.013)
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