

$^{148}\text{Ba}$        $Z = 56$        $N = 92$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE = 1208.288 ( 0.001) MeV

Qbeta- = 5.164 ( 0.020) MeV

	Energy T	J+		J-	J-other	T1/2
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148BA	1	0.000	0+			1 0.612 S 17
148BA	2	0.142	2+			2
148BA	3	0.423	4+			3
148BA	4			0.687	1-	4
148BA	5			0.775	(3-)	5
148BA	6	0.808	6+			6
148BA	7			0.963	(5-)	7
148BA	8	1.049	2+			8
148BA	9			1.256	7-	9
148BA	10	1.265	8+			10
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148BA	11			1.645	9-	11
148BA	12	1.768	10+			12
148BA	13			2.117	(11-)	13
148BA	14	2.303	(12+)			14
148BA	15				2.659	15
148BA	16				2.867	16

S-p = 12.914 ( 0.009) -----  
S-n = 5.352 ( 0.020) -----  
S-2p = 24.168 ( 0.024) -----  
S-2n = 8.821 ( 0.002) -----  
S-alpha= 3.097 ( 0.006) -----

S+p = -9.964 ( 0.200)  
S+n = -3.357 ( 0.003)  
S+2p = -21.880 ( 0.012)  
S+2n = -8.488 ( 0.006)  
S+alpha = -3.888 ( 0.152)

gap p = 2.950 ( 0.200)  
gap n = 1.995 ( 0.020)  
gap 2p = 2.288 ( 0.027)  
gap 2n = 0.334 ( 0.006)  
gap alpha = -0.791 ( 0.152)