

$^{190}\text{Au}$        $Z = 79$        $N = 111$       adopted link      ENSDF link

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

BE = 1504.578 ( 0.003) MeV

Qbeta+ = 4.473 ( 0.004) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.914	( 0.017)	-----		
190AU 1			0.000	1-	1 42.8 M 10
190AU 2				0.029 1-,2-	2 0.55 NS 4
190AU 3				(LE 3)	3
190AU 4				0.122 (0,1,2)-	4
190AU 5				0.130 (1-,2-)	5
190AU 6	0.172	1+			6 0.16 NS 2
190AU 7				0.165 (0,1,2)-	7
190AU 8				0.285 (LE 3)	8
190AU 9				0.348	9
190AU 10				0.414	10
190AU 10				0.418	10
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190AU 11				0.420	11
190AU 12				0.422	12
190AU 13				0.431	13
190AU 14				0.545	14

S-p = 3.653 ( 0.011)-----

S-n = 7.323 ( 0.020)-----

S-2p = 9.067 ( 0.010)-----

S-2n = 16.605 ( 0.004)-----

S-alpha= -3.914 ( 0.017)-----

S+p = -5.047 ( 0.023)

S+n = -9.036 ( 0.006)

S+2p = -7.617 ( 0.032)

S+2n = -16.081 ( 0.016)

S+alpha = 3.471 ( 0.014)

gap p = -1.394 ( 0.025)

gap n = -1.713 ( 0.021)

gap 2p = 1.450 ( 0.033)

gap 2n = 0.523 ( 0.017)

gap alpha = -0.443 ( 0.022)