

$^{190}\text{Pb}$        $Z = 82$        $N = 108$       adopted link      ENSDF link

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

BE = 1489.815 ( 0.013) MeV

Qbeta+ = 3.950 ( 0.014) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-5.698	( 0.017)	-----		
190PB 1	0.000	0+			1 71 S 1
190PB 2	0.658	0+			2 0.22 NS LE
190PB 3	0.774	2+			3
190PB 4				1.163 (2+)	4
190PB 5				1.229 (4+)	5
190PB 6				1.521 (4+)	6
190PB 7				1.736 (6+)	7
190PB 8				1.906 (5-)	8
190PB 9				1.937 (6+)	9
190PB 10				2.252 (8+)	10
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190PB 11				2.276 (8+)	11
190PB 12				2.406 (7-)	12
190PB 13				2.463 (8+)	13
190PB 14				2.606 (7-)	14
190PB 15				2.615 (10+)	15 150 NS

S-p = 3.089 ( 0.015)-----

S-n = 10.644 ( 0.019)-----

S-2p = 4.796 ( 0.014)-----

S-2n = 18.748 ( 0.016)-----

S-alpha= -5.698 ( 0.017)-----

S+p = -0.112 ( 0.015)

S+n = -7.946 ( 0.014)

S+2p = -2.228 ( 0.016)

S+2n = -18.278 ( 0.014)

S+alpha = 6.987 ( 0.018)

gap p = 2.978 ( 0.021)

gap n = 2.698 ( 0.024)

gap 2p = 2.568 ( 0.022)

gap 2n = 0.470 ( 0.021)

gap alpha = 1.289 ( 0.025)