

^{188}Au $Z = 79$ $N = 109$ adopted link ENSDF link

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

BE = 1487.974 (0.003) MeV

Qbeta+ = 5.450 (0.006) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-4.815	(0.028)	-----		
188AU 1			0.000	1-	1 8.84 M 6
188AU 2				0.016 (2)-	2 0.67 NS 8
188AU 3	0.083	1+			3 1.4 NS 2
188AU 4				0.114 (1)-	4
188AU 5				0.115 (2)-	5 0.22 NS 2
188AU 6				0.172 (1)-	6
188AU 7				0.218 (1)+	7
188AU 8				0.297 (0,1)-	8
188AU 9				0.305 (1)-	9
188AU 10				0.443 (0,1)+	10

188AU 11				0.447 (0,1)+	11
188AU 12				0.567 (1)-	12
188AU 13				0.567 (0,1)-	13
188AU 14				0.606 (2)+	14
188AU 15				0.860 (2)+	15
188AU 16				0.961 (0-,1)	16
188AU 17				1.012 (1)+	17
188AU 18				1.048 (1)	18
188AU 19				1.103 (1)+	19
188AU 20				1.123 (1)	20

188AU 21				1.205 (1)+	21

S-p = 2.975 (0.024)-----

S-n = 7.414 (0.023)-----

S-2p = 7.777 (0.017)-----

S-2n = 16.799 (0.021)-----

S-alpha= -4.815 (0.028)-----

S+p = -4.544 (0.032)

S+n = -9.282 (0.020)

S+2p = -6.573 (0.008)

S+2n = -16.605 (0.004)

S+alpha = 4.074 (0.032)

gap p = -1.569 (0.040)

gap n = -1.868 (0.030)

gap 2p = 1.204 (0.018)
gap 2n = 0.194 (0.022)
gap alpha = -0.740 (0.042)