

^{177}Au $Z = 79$ $N = 98$ adopted link ENSDF link

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

BE = 1388.364 (0.010) MeV

Qbeta+ = 7.825 (0.018) MeV

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

S-alpha=	-6.298	(0.015)	-----		
S-p =	-0.099	(0.016)	-----		
177AU	1 0.000	1/2+			1 1.501 S 20
177AU	2			0.025 (3/2+)	2
177AU	3			0.183 (11/2-)	3 1.193 S 13
177AU	4			0.290 (5/2+)	4
177AU	5			0.424 (9/2-)	5 15 NS LE
177AU	6			0.703 (13/2-)	6
177AU	7			0.707 (15/2-)	7
177AU	8			0.714 (13/2-)	8
177AU	9			0.743 (9/2+)	9

S-p = -0.099 (0.016)-----

S-n = 11.096 (0.035)-----

S-2p = 2.729 (0.016)-----

S-2n = 20.285 (0.040)-----

S-alpha= -6.298 (0.015)-----

S+p = -2.059 (0.015)

S+n = -8.829 (0.014)

S+2p = -1.302 (0.040)

S+2n = -19.585 (0.015)

S+alpha = 6.322 (0.013)

gap p = -2.158 (0.022)

gap n = 2.268 (0.037)

gap 2p = 1.427 (0.043)

gap 2n = 0.699 (0.043)

gap alpha = 0.024 (0.020)