

^{205}Au $Z = 79$ $N = 126$ adopted link ENSDF link

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

BE = 1611.300 (-0.205) MeV

Qbeta- = 3.802 (0.205) MeV

	Energy T	J+	J-	J-other	T1/2
205AU 1				0.000 (3/2+)	1 32.0 S 14
205AU 2				0.907 (11/2-)	2 6 S 2
S-alpha=	1.134 (-0.287)	-----			
205AU 3				1.644 (11/2-)	3
205AU 4				1.853 (15/2-)	4
205AU 5				1.887 (13/2-)	5
205AU 6				2.816 (15/2+)	6
205AU 7				2.850 (19/2+)	7 163 NS 5
205AU 8				0.000 (3/2+)	8

S-p = 8.064 (-0.289)-----

S-n = 6.228 (-0.289)-----

S-2p = 18.765 (-0.455)-----

S-2n = 11.484 (-0.205)-----

S-alpha= 1.134 (-0.287)-----

S+p = -9.750 (-0.206)

S+n = -3.740 (-0.291)

S+2p = -17.127 (-0.205)

S+2n = -8.268 (-0.291)

S+alpha = 2.416 (-0.205)

gap p = -1.685 (0.355)

gap n = 2.488 (0.410)

gap 2p = 1.638 (0.499)

gap 2n = 3.216 (0.356)

gap alpha = 3.550 (0.353)