

$^{203}\text{Au}$        $Z = 79$        $N = 124$       adopted link      ENSDF link

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

BE = 1599.816 ( 0.003) MeV

Qbeta- = 2.126 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
203AU 1	0.000	3/2+			1 60 S 6
203AU 2	0.039	1/2+			2
203AU 3	0.385	3/2+			3
203AU 4				0.563 (7/2+)	4
203AU 5			0.641 11/2-		5 140 US 44
203AU 6	0.774	5/2+			6
203AU 7				0.851	7
203AU 8				0.874 (3/2+)	8
203AU 9				0.977 (1/2+)	9
203AU 10				0.983 (1/2+)	10
203AU 11	1.087	5/2+			11
203AU 12				1.161 (1/2+,3/2+)	12
S-alpha=	1.170 ( 0.041)				
203AU 13	1.274	1/2+			13
203AU 14			1.457 11/2-		14
203AU 15				1.506 (1/2+,3/2+)	15
203AU 16				1.590	16
203AU 17				1.755 (5/2+)	17
203AU 18				1.839	18

S-p = 7.740 ( 0.025)

S-n = 6.862 ( 0.023)

S-2p = 17.946 ( 0.201)

S-2n = 12.885 ( 0.004)

S-alpha= 1.170 ( 0.041)

S+p = -8.836 ( 0.003)

S+n = -5.256 ( 0.204)

S+2p = -15.255 ( 0.003)

S+2n = -11.484 ( 0.205)

S+alpha = -0.316 ( 0.006)

gap p = -1.095 ( 0.026)

gap n = 1.605 ( 0.205)

gap 2p = 2.690 ( 0.201)

gap 2n = 1.401 ( 0.205)

gap alpha = 0.854 ( 0.042)