

^{157}Ta $Z = 73$ $N = 84$ adopted link ENSDF link

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

BE = 1239.682 (0.150) MeV

Qbeta+ = 9.256 (0.217) MeV

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

S-alpha=	-6.354	(0.212)	-----		
S-p	= -0.934	(0.212)	-----		
157TA	1 0.000	1/2+			1 10.1 MS 4
157TA	2		0.022	11/2-	2 4.3 MS 1
157TA	3			0.864 15/2(-)	3
157TA	4			1.567 19/2(-)	4
157TA	5			1.589 (25/2-)	5 1.7 MS 1
S-2p	= 1.629	(0.151)	-----		
157TA	6			1.718 (23/2-)	6 5 NS AP
157TA	7			2.360 (27/2-)	7
157TA	8			2.928 (29/2+)	8
157TA	9			3.065 (31/2+)	9
157TA	10			3.354	10

157TA	11			3.678	11
157TA	12			3.987	12

S-p = -0.934 (0.212)-----
 S-n = 11.650 (0.346)-----
 S-2p = 1.629 (0.151)-----
 S-2n = 21.692 (0.344)-----
 S-alpha= -6.354 (0.212)-----

S+p = -1.408 (0.350)
 S+n = -9.624 (0.218)
 S+2p = 0.277 (0.352)
 S+2n = -20.986 (0.151)
 S+alpha = 6.328 (0.212)

gap p = -2.343 (0.409)
 gap n = 2.025 (0.409)
 gap 2p = 1.906 (0.383)
 gap 2n = 0.706 (0.376)
 gap alpha = -0.026 (0.300)