

^{183}Ta $Z = 73$ $N = 110$ adopted link ENSDF link

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

BE = 1465.234 (0.002) MeV

Qbeta- = 1.072 (0.002) MeV

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

S-alpha=	-1.340	(0.005)	-----		
183TA 1	0.000	7/2+			1 5.1 D 1
183TA 2				0.073 (9/2)-	2 106 NS 10
183TA 3	0.143	9/2+			3
183TA 4				0.231 (11/2)-	4
183TA 5	0.317	11/2+			5
183TA 6				0.368 (7/2,9/2,11/2)	6
183TA 7				0.417 (13/2)-	7
183TA 8				0.459 (5/2+)	8
183TA 9	0.520	13/2+			9
183TA 10				0.546 (5/2+,7/2,9/2+)	10

183TA 11				0.573 (7/2+)	11
183TA 12				0.629 (15/2)-	12
183TA 13				0.717 (9/2+)	13
183TA 14				0.731	14
183TA 15				0.735	15
183TA 16	0.750	15/2+			16
183TA 17				0.806	17
183TA 18				0.857 (5/2-)	18
183TA 19				0.868 (17/2)-	19
183TA 20				0.890 (11/2+)	20

183TA 21				0.906 (13/2-)	21
183TA 22				0.940 (5/2+,7/2,9/2+)	22
183TA 23				0.949	23
183TA 24				0.960	24
183TA 25				0.971	25
183TA 26				1.030	26
183TA 27				1.091 (13/2+)	27
183TA 28				1.102 (15/2-)	28
183TA 29				1.128 (5/2+,7/2,9/2+)	29
183TA 30				1.130 (19/2)-	30

183TA 31				1.151 (LE5/2)	31
183TA 32				1.310 (17/2-)	32

S-p = 6.533 (0.006)-----

S-n = 6.934 (0.002)-----

S-2p = 15.074 (0.126)-----
S-2n = 12.997 (0.002)-----
S-alpha= -1.340 (0.005)-----

S+p = -7.701 (0.002)
S+n = -5.617 (0.026)
S+2p = -13.103 (0.002)
S+2n = -12.243 (0.014)
S+alpha = 1.652 (0.002)

gap p = -1.168 (0.007)
gap n = 1.317 (0.026)
gap 2p = 1.971 (0.126)
gap 2n = 0.754 (0.014)
gap alpha = 0.312 (0.006)