

^{185}Ta $Z = 73$ $N = 112$ adopted link ENSDF link

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

BE = 1477.477 (0.014) MeV

Qbeta- = 1.993 (0.014) MeV

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

S-alpha=	-0.978 (0.127)				
185TA 1				0.000 (7/2+)	1 49.4 M 15
185TA 2				0.164 (9/2+)	2
185TA 3				0.175 (9/2-)	3 5 NS LE
185TA 4				0.337 (11/2-)	4
185TA 5				0.409 (1/2+ AND (3/2	5+)
185TA 6				0.529 (13/2-)	6
185TA 7				0.590 (5/2+ AND (7/2+	7)
185TA 8				0.689	8
185TA 9				0.747 (15/2-)	9
185TA 10				0.811 (3/2+)	10

185TA 11				0.890 (7/2-)	11
185TA 12				0.980 (9/2-)	12
185TA 13				0.993 (17/2-)	13
185TA 14				1.018	14
185TA 15				1.074	15
185TA 16				1.153 (11/2-)	16
185TA 17				1.223	17
185TA 18				1.258 (19/2-)	18

S-p = 7.184 (0.042)-----

S-n = 6.626 (0.030)-----

S-2p = 16.256 (0.081)-----

S-2n = 12.243 (0.014)-----

S-alpha= -0.978 (0.127)-----

S+p = -8.403 (0.014)

S+n = -5.285 (0.062)

S+2p = -14.400 (0.014)

S+2n = -11.644 (0.058)

S+alpha = 0.990 (0.016)

gap p = -1.219 (0.044)

gap n = 1.342 (0.068)

gap 2p = 1.856 (0.083)

gap 2n = 0.600 (0.059)

gap alpha = 0.012 (0.128)