

^{158}Ta $Z = 73$ $N = 85$ adopted link ENSDF link

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

BE = 1249.306 (-0.158) MeV

Qbeta+ = 10.953 (0.159) MeV

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

S-alpha=	-6.062	(-0.221)	-----		
S-p	= -0.414	(-0.223)	-----		
158TA	1			0.000 (2-)	1 55 MS 15
158TA	2			0.141 (9+)	2 36.7 MS 15
158TA	3			0.207 (10+)	3
158TA	4			0.919 (11+)	4
158TA	5			0.923	5
158TA	6			0.953 (12+)	6
158TA	7			1.359	7
158TA	8			1.392	8
158TA	9			1.552 (14+)	9
158TA	10			1.804 (16+)	10

158TA	11			1.825	11
158TA	12			2.025	12
S-2p	= 2.028	(-0.167)	-----		
158TA	13			2.098 (16+)	13
158TA	14			2.387 (17+)	14
158TA	15			2.602	15
158TA	16			2.806 (19-)	16 6.1 US 1
158TA	17			2.854	17
158TA	18			2.878	18
158TA	19			2.938	19
158TA	20			2.960	20

158TA	21			3.021	21
158TA	22			3.063	22
158TA	23			3.330	23
158TA	24			3.388	24
158TA	25			3.627	25
158TA	26			3.676	26
158TA	27			3.776	27
158TA	28			3.794	28
158TA	29			3.851	29
158TA	30			4.088	30

158TA	31			4.349	31
158TA	32			4.614	32
158TA	33			4.645	33
158TA	34			4.652	34

158TA 35				4.779		35
158TA 36				4.956		36
158TA 37				4.996		37
158TA 38				5.065		38
158TA 39				5.142		39
158TA 40				5.229		40

158TA 41				5.362		41
158TA 42				5.415		42
158TA 43				5.629		43
158TA 44				6.166		44
158TA 45				6.259		45
158TA 46				6.619		46
158TA 47				6.782		47
158TA 48				0.000	(2-)	48 55 MS 15

S-p = -0.414 (-0.223)-----
S-n = 9.624 (-0.218)-----
S-2p = 2.028 (-0.167)-----
S-2n = 21.274 (-0.350)-----
S-alpha= -6.062 (-0.221)-----

S+p = -1.547 (-0.355)
S+n = -11.361 (-0.159)
S+2p = -0.294 (-0.357)
S+2n = -20.817 (-0.167)
S+alpha = 6.226 (-0.226)

gap p = -1.961 (0.419)
gap n = -1.737 (0.270)
gap 2p = 1.734 (0.394)
gap 2n = 0.457 (0.388)
gap alpha = 0.164 (0.316)