

$^{158}\text{Tm}$        $Z = 69$        $N = 89$       adopted link    ENSDF link

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

BE      =    1279.990 ( 0.025) MeV

Qbeta+ =      6.600 ( 0.036) MeV

	Energy T	J+		J-		J-other		T1/2
-----								
S-alpha=	-3.511	( 0.027)	-----					
158Tm	1			0.000	2-			1 3.98 M 6
158Tm	2						0.074 (1)+	2 1.74 NS 4

S-p      =    2.578 ( 0.037)-----

S-n      =    8.065 ( 0.038)-----

S-2p     =    7.743 ( 0.046)-----

S-2n     =  18.011 ( 0.029)-----

S-alpha= -3.511 ( 0.027)-----

S+p      =  -4.419 ( 0.031)

S+n      =  -9.938 ( 0.038)

S+2p     =  -6.145 ( 0.062)

S+2n     = -17.740 ( 0.041)

S+alpha  =    3.447 ( 0.079)

gap p     =  -1.841 ( 0.048)

gap n     =  -1.873 ( 0.053)

gap 2p    =    1.598 ( 0.077)

gap 2n    =    0.271 ( 0.050)

gap alpha =  -0.065 ( 0.083)