

$^{145}\text{Tm}$  p decay (3.1  $\mu\text{s}$ ) 2003Ka04

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	A. A. Sonzogni	ENSDF	1-Sep-2004

Parent:  $^{145}\text{Tm}$ : E=0.0;  $J^\pi=(11/2^-)$ ;  $T_{1/2}=3.1 \mu\text{s}$  3; Q(p)=1740 10; %p decay=100.0

Source:  $^{92}\text{Mo}(^{58}\text{Ni},\text{P4N})$ , E=315 MeV,  $^{145}\text{Tm}$  nuclei were separated using fragment mass analyzer, activity was recorded using double sided Silicon detectors.

 $^{144}\text{Er}$  Levels

E(level)	$J^\pi$
0.0	$0^+$
330 10	$2^+$

 $\gamma(^{144}\text{Er})$ 

$E_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$	Mult.	Comments
330 10	330	$2^+$	0.0	$0^+$	[E2]	$E_\gamma$ : This $\gamma$ -ray was not observed, its existence is deduced from the energy difference between the two proton peaks in the decay of $^{145}\text{Tm}$ .

Protons ( $^{144}\text{Er}$ )

E(p)	E( $^{144}\text{Er}$ )	I(p)
1400 10	330	9.6 15
1728 10	0.0	90.4 15

$^{145}\text{Tm}$  p decay (3.1  $\mu\text{s}$ ) 2003Ka04Decay Scheme