^{99}Nb IT decay (2.5 min)

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 145,25 (2017)	1-Jul-2017

Parent: ^{99}Nb: E=365.27 *8*; $J^\pi=1/2^-$; $T_{1/2}$=2.5 min *2*; %IT decay<3.8
All information is from Adopted Levels, gammas.

^{99}Nb Levels

E(level)	J^π	$T_{1/2}$
0.0	$9/2^+$	15.0 s *2*
365.27 *8*	$1/2^-$	2.5 min *2*

$\gamma(^{99}Nb)$

E_γ	I_γ[‡]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	α[†]	$I_{(\gamma+ce)}$[‡]	Comments
365.1	72.9 *calc*	365.27	$1/2^-$	0.0	$9/2^+$	[M4]	0.372	100	ce(K)/(γ+ce)=0.227 *3*; ce(L)/(γ+ce)=0.0368 *6*; ce(M)/(γ+ce)=0.00667 *10* ce(N)/(γ+ce)=0.000952 *14*; ce(O)/(γ+ce)=4.56×10^{-5} *7* α(K)=0.311 *5*; α(L)=0.0505 *7*; α(M)=0.00916 *13* α(N)=0.001307 *19*; α(O)=6.26×10^{-5} *9*

[†] Additional information 1.
[‡] For absolute intensity per 100 decays, multiply by <0.038.

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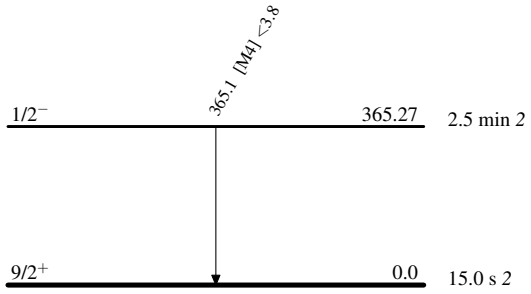
Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
%IT<3.8



$^{99}_{41}Nb_{58}$