

^{113}Pd IT decay **1993Pe11,1992PeZX**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 1471 (2010)	1-May-2009

Parent: ^{113}Pd : E=81.3; $J^\pi=(9/2^-)$; $T_{1/2}=0.3$ s *I*; %IT decay=100.0

Activity: $^{238}\text{U}(\text{p},\text{f})$, E= 20 MeV, on-line isotope separator IGISOL.

Measured: γ , $\gamma\gamma$, $\gamma(\text{t})$, ce, Ge(Li), Ge, Si(Li), elli spectrometer.

α : [Additional information 1](#).

 ^{113}Pd Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	(5/2 ⁺)	93 s 5	
81.3	(9/2 ⁻)	0.3 s <i>I</i>	$T_{1/2}$: from 1993Pe11 . Preliminary data: 0.4 s <i>I</i> (1992PeZX), same author.

 $\gamma(^{113}\text{Pd})$

E_γ	$I_\gamma^\ddagger$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. [†]	α	Comments
81.1 3	6.9 4	81.3	(9/2 ⁻)	0.0	(5/2 ⁺)	M2	8.55 17	$\alpha(\text{K})_{\text{exp}}=5.4$ 9 $\alpha(\text{K})=6.98$ 14; $\alpha(\text{L})=1.28$ 3; $\alpha(\text{M})=0.250$ 6; $\alpha(\text{N})=0.0415$ 9; $\alpha(\text{N}+\dots)=0.0415$ 9 $\text{B}(\text{M}2)(\text{W.u.})=0.00013$ 5

[†] Simultaneous measurement of γ and ce.

[‡] Absolute intensity per 100 decays.

 ^{113}Pd IT decay **1993Pe11,1992PeZX****Decay Scheme**

Intensities: $I_{(\gamma+\text{ce})}$ per 100 parent decays
%IT=100.0

