

$^{113}\text{Ru IT decay} \quad 2007\text{Ku23}, 1998\text{Ku17}$ 

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

Parent:  $^{113}\text{Ru}$ : E=130 18;  $J^\pi=(11/2^-)$ ;  $T_{1/2}=510 \text{ ms } 30$ ; %IT decay=100.0

$^{113}\text{Ru}$ -E: From [2003Au03](#) but 0+x in Adopted Levels.

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

[2007Ku23, 1998Ku17](#) are from the same group. Data here are from [2007Ku23](#).

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

$\alpha$ : [Additional information 1](#).

 $^{113}\text{Ru}$  Levels

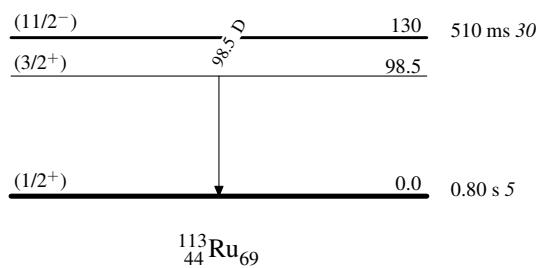
E(level)	$J^\pi$	$T_{1/2}$	Comments
0.0	$(1/2^+)$	0.80 s 5	
98.5 3	$(3/2^+)$		
130 18	$(7/2^-)$	510 ms 30	$T_{1/2}$ : from <a href="#">1998Ku17</a> .

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

$E_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$	Mult.	Comments
98.5 3	98.5	$(3/2^+)$	0.0	$(1/2^+)$	D	$\alpha(K)\exp=0.24$ 12

 $^{113}\text{Ru IT decay} \quad 2007\text{Ku23}, 1998\text{Ku17}$ Decay Scheme

%IT=100.0



$^{113}_{44}\text{Ru}_{69}$