

¹¹³Ru IT decay 2007Ku23,1998Ku17

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

Parent: ¹¹³Ru: E=130 18; J^π=(11/2⁻); T_{1/2}=510 ms 30; %IT decay=100.0
¹¹³Ru-E: From 2003Au03 but 0+x in Adopted Levels.
Activity: ²³⁸U(p,f), E= 20 MeV, on-line isotope separator IGISOL.
2007Ku23,1998Ku17 are from the same group. Data here are from 2007Ku23.
Measured: γ, γγ, γ(t), ce, Ge(Li), Ge, Si(Li), elli spectrometer.
α: Additional information 1.

¹¹³Ru Levels

E(level)	J ^π	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 1998Ku17.

γ(¹¹³Ru)

E _γ	E _i (level)	J ^π _i	E _f	J ^π _f	Mult.	Comments
98.5 3	98.5	(3/2 ⁺)	0.0	(1/2 ⁺)	D	α(K)exp=0.24 12

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Decay Scheme

%IT=100.0

