Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2006

Q(β^-)=−8.3×10^3 *syst*; S(n)=1.24×10^4 *syst*; S(p)=1.7×10^3 *syst*; Q(α)=−2.×10^2 *syst* 2012Wa38
Note: Current evaluation has used the following Q record −9050 SY12520 SY1650 syst-220 syst 2003Au03.
ΔQ(β^-)=422, ΔS(n)=388, ΔS(p)=313, ΔQ(α)=438 (2003Au03).
Activity: ^{92}Mo(^{20}Ne,xpxn) E=240 MeV. On-line mass separator lisol.
Measured: γ(t) (1988Hu07).
Activity: ^{50}Cr(^{58}Ni,pα2n) E=261 MeV. Nordball array (1996Ce03).
No evidence for the existence of an isomeric state (1997Sz04).

^{101}In Levels

Cross Reference (XREF) Flags

A ^{50}Cr(^{58}Ni,pα2nγ)

E(level)	J$^\pi$[†]	T$_{1/2}$	XREF	Comments
0.0	(9/2$^+$)	15.1 s *3*	A	%ε+%β^+≈100; %β^+p=? T$_{1/2}$: weighted av: 16 s *3* (1988Hu07) and 14.9 s *12* (1997Sz04). J$^\pi$: From shell model.
1309.7[‡] *3*	(13/2$^+$)		A	
1651.5[‡] *4*	(17/2$^+$)		A	
2010.9[‡] *5*	(19/2$^+$)		A	
3258.8[#] *7*	(21/2$^+$)		A	
4394.8[#] *12*	(23/2$^-$)		A	
4781.6[#] *13*	(25/2$^-$)		A	
4934.6[‡] *7*	(23/2$^+$)		A	
6074.2[‡] *10*			A	

[†] From Bands assignments.
[‡] Band(A): γ cascade based on g.s.
[#] Band(B): γ cascade.

γ(^{101}In)

E$_i$(level)	J$_i^\pi$	E$_\gamma$[†]	I$_\gamma$	E$_f$	J$_f^\pi$
1309.7	(13/2$^+$)	1309.7 *3*	100	0.0	(9/2$^+$)
1651.5	(17/2$^+$)	341.8 *2*	100	1309.7	(13/2$^+$)
2010.9	(19/2$^+$)	359.4 *3*	100	1651.5	(17/2$^+$)
3258.8	(21/2$^+$)	1247.9 *4*	100	2010.9	(19/2$^+$)
4394.8	(23/2$^-$)	1136 *1*	100	3258.8	(21/2$^+$)
4781.6	(25/2$^-$)	386.8 *5*	100	4394.8	(23/2$^-$)
4934.6	(23/2$^+$)	2923.6 *5*	100	2010.9	(19/2$^+$)
6074.2		1139.6 *7*	100	4934.6	(23/2$^+$)

[†] From 2002Li45.

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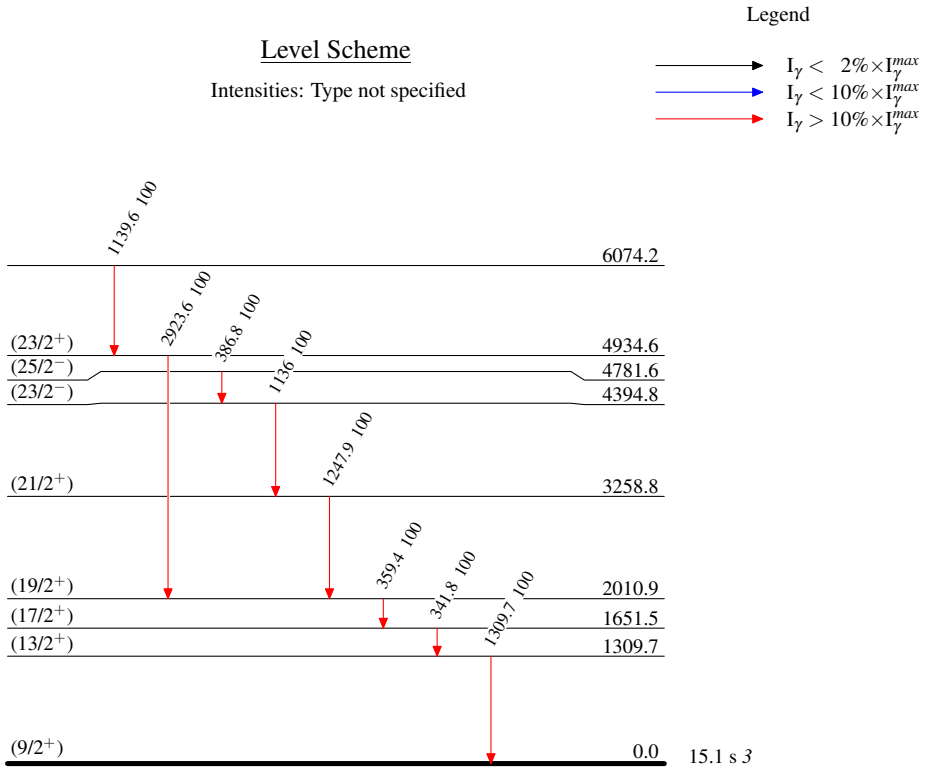
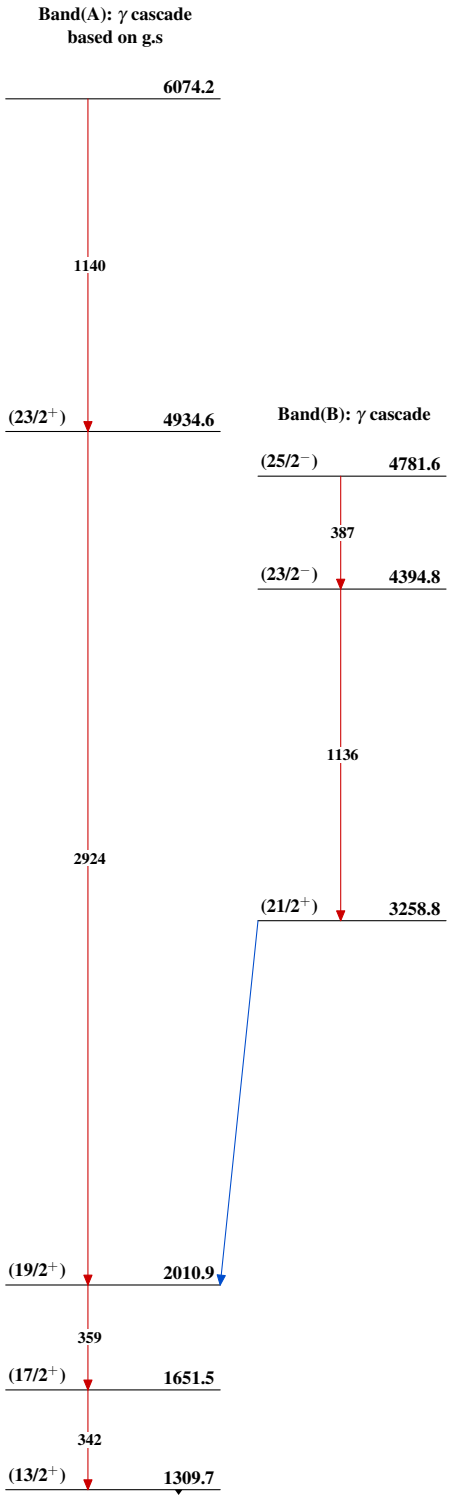
Level Scheme

Intensities: Type not specified



$^{101}_{49}In_{52}$

Adopted Levels, Gammas



$^{101}_{49}In_{52}$