Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao	NDS 133, 221 (2016)	1-Dec-2015

Q(β^-)=4.09×10^3 *SY*; S(n)=5.63×10^3 *SY*; S(p)=7.8×10^3 *SY*; Q(α)=−1010 *SY* 2012Wa38

^{198}Ir Levels

Cross Reference (XREF) Flags

A ^{9}Be(^{208}Pb,Xγ)

E(level)	$T_{1/2}$	XREF	Comments
0.0	8 s *1*	A	%β^-=100 $T_{1/2}$: From 1972ScYY. Others: 8 s *3* (1973Sz03). 8 s *2* from time correlations between implantations and β decay events (2014Ku23).
116.4? *2*	75 ns *7*	A	%IT≈100 $T_{1/2}$: Weighted average of 77 ns *9* (2005Ca02) and 73 ns *11* (2011St21).

γ(^{198}Ir)

E_i(level)	E_γ[†]	I_γ[†]	E_f	Mult.	α[‡]
116.4?	116.4 *2*	100	0.0	[E1]	0.271

[†] From ^{9}Be(^{208}Pb,Xγ).

[‡] Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

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Level Scheme

Intensities: Relative photon branching from each level