^{148}Pr IT decay   **2004Ko05,2008KoZO**

	Type	Author	History Citation	Literature Cutoff Date
	Full Evaluation	N. Nica	NDS 117, 1 (2014)	1-Oct-2013

Parent: ^{148}Pr: E=76.8; J$^\pi$=4$^-$; T$_{1/2}$=2.01 min *7*; %IT decay=36 *10*

2004Ko05,2008KoZO: see 2004Ko05 description In ^{148}Ce β^- decay (2008KoZO later confirm 2004Ko05).

^{148}Pr Levels

E(level)	J$^\pi$	T$_{1/2}$	Comments
0.0	1$^-$	2.29 min *2*	%β^-=100 (adopted value).
			configuration: π3/2$^+$[411] $\otimes$ ν5/2$^-$[523].
			J$^\pi$,T$_{1/2}$: adopted values.
76.8 *2*	4$^-$	2.01 min *7*	%IT=36 *10*; %β^-=64 *10*
			configuration: π5/2$^+$[413] $\otimes$ ν3/2$^-$[532].
			J$^\pi$: ΔJ=3 M3 γ to 1$^-$, g.s..
			T$_{1/2}$: adopted value.

$\gamma(^{148}$Pr)

E$_\gamma$	I$_\gamma$‡	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$	Mult.	α†	Comments
76.8 *2*	100	76.8	4$^-$	0.0	1$^-$	M3	354 *7*	α(K)=168 *3*; α(L)=142 *3*; α(M)=34.9 *7*; α(N+..)=9.00 *19*
								α(N)=7.81 *16*; α(O)=1.147 *24*; α(P)=0.0446 *9*
								Mult.: based on α(K)exp=151 *39* and α(L)exp=125 *33* (2004Ko05).

† Additional information 1.
‡ For absolute intensity per 100 decays, multiply by 0.0010 *3*.

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Decay Scheme

Intensities: I$_{(\gamma+ce)}$ per 100 parent decays
%IT=36 *10*

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                                76.8, M3 36

4⁻  _____  76.8   2.01 min 7
                        |
                        |
                        |
                        ↓
1⁻  _____   0.0   2.29 min 2

              ¹⁴⁸
               ₅₉Pr₈₉
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