Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, I. Mitropolsky, A. Rodionov	NDS 107,2715 (2006)	17-Jul-2006

Q(β^-)=1.270×10^4 *syst*; S(n)=1.9×10^3 *syst*; S(p)=1.67×10^4 *syst*; Q(α)=−1.03×10^4 *syst* 2012Wa38
Note: Current evaluation has used the following Q record 12870 syst 1770 syst 16400 syst 2003Au03.
Δ(Q(β^-))=300, Δ(S(n))=410, Δ(S(p))=450 (2003Au03).
Q(β^-): Q(β^-n)=6550 *300* (syst,2003Au03).
Q(α): Q(α)=−10060 *CA* (1997Mo25).
^{131}Cd produced and identified by 2000Ha55 (also 2001Ha39) using ^{238}U(p,F) E=1 GeV (target=uranium carbide/graphite) reaction followed by LASER ionization and mass separation at CERN/ISOLDE facility. Measured β and β-delayed neutron spectra. Deduced levels in ^{131}In. No γ rays were reported.

^{131}Cd Levels

E(level)	J$^\pi$	T$_{1/2}$	Comments
0	(7/2$^-$)	68 ms *3*	%β^-=100; %β^-n=3.5 *10* (2000Ha55) E(level): assumed as the ground state. J$^\pi$: probable configuration=$\nu f_{7/2}$ (2000Ha55), syst. (2003Au02). %β^-n from 2000Ha55 (also 2001Ha39). T$_{1/2}$: from timing of delayed neutrons (2000Ha55,2001Ha39).