^{135}Sm εp decay 1989Vi04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	A. A. Sonzogni	NDS 103, 1 (2004)	31-Jul-2004

Parent: ^{135}Sm: E=0.0; J^π=(3/2$^+$,5/2$^+$); $T_{1/2}$=10.3 s *5*; Q(εp)=5.50×10^3 *15*; %εp decay=0.02 *1*
^{135}Sm-%εp decay: %εp=0.02 *1* (1989Vi04).
Additional information 1.

^{134}Nd Levels

E(level)	J^π[†]
0.0	0$^+$
294.4	2$^+$
789.3	4$^+$

[†] From Adopted Levels.

γ(^{134}Nd)

E_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.[†]	α[‡]	Comments
294.4	294.4	2$^+$	0.0	0$^+$	E2	0.0558	α(K)=0.0441 *14*; α(L)=0.0092 *3*; α(M)=0.00201 *6*; α(N+..)=0.00054 *2*
494.9	789.3	4$^+$	294.4	2$^+$	E2	0.0121	α(K)=0.0100 *3*; α(L)=0.00165 *5*; α(M)=0.00035 *1*

[†] From adopted gammas.
[‡] 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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Decay Scheme