^{169}Tm(^{14}N,3nγ) 1967Bu02

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan	NDS 126, 151 (2015)	1-Feb-2015

E(^{14}N) not given. Measured Eγ, Iγ, E(ce), I(ce) using a Ge(Li) detector and a single-gap wedge type electron spectrometer. Similar results are presented in 1967Bu18.

^{180}Os Levels

E(level)[†]	J$^{\pi}$[‡]
0.0	0$^+$
132.2 *3*	2$^+$
408.5 *8*	4$^+$
795.1 *13*	6$^+$
1257.3 *17*	8$^+$
1767.5 *22*	10$^+$
2309 *3*	12$^+$
2875 *3*	14$^+$

[†] From a least-squares fit to Eγ by evaluator.
[‡] From the Adopted Levels.

γ(^{180}Os)

E$_\gamma$[†]	I$_\gamma$[‡]	E$_i$(level)	J$_i^{\pi}$	E$_f$	J$_f^{\pi}$	Mult.[#]
132.2 *3*	100 *20*	132.2	2$^+$	0.0	0$^+$	E2
276.3 *7*	88 *18*	408.5	4$^+$	132.2	2$^+$	E2
[x]365	35 *7*					(E1)
386.6 *10*	74 *15*	795.1	6$^+$	408.5	4$^+$	E2
462.2 *12*	72 *14*	1257.3	8$^+$	795.1	6$^+$	E2
510.2 *13*	42 *9*	1767.5	10$^+$	1257.3	8$^+$	E2
541.0 *14*	34 *7*	2309	12$^+$	1767.5	10$^+$	E2
566.4 *14*	25 *5*	2875	14$^+$	2309	12$^+$	E2
[x]618	30 *6*					(E1)
[x]643	17 *3*					(M1)

[†] ΔEγ from a general statement by the authors that energies are accurate to ±0.25%.
[‡] ΔIγ from a general statement by the authors that intensities are accurate to ±20%.
[#] Authors state that multipolarities were determined from K/L ratios, however, no details are given.
[x] γ ray not placed in level scheme.

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Level Scheme

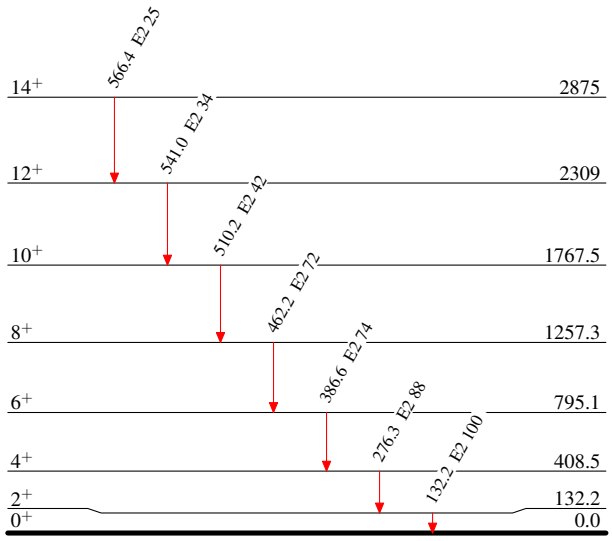
Intensities: Type not specified

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$

$I_\gamma < 10\% \times I_\gamma^{max}$

$I_\gamma > 10\% \times I_\gamma^{max}$



$^{180}_{76}Os_{104}$