^{106}Cd(^{60}Ni,2nγ) 2000Ki33

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen[#]	NDS 147, 1 (2018)	30-Nov-2017

2000Ki33: E=257 MeV. Measured Eγ, Iγ, $\gamma\gamma$ coin, recoil-γ coin, recoil-decay tagging technique using SARI array consisting of four unsuppressed segmented clover Ge detectors. The detectors comprise four Ge crystals placed within a single cryostat. Additional information 1.

^{164}Os Levels

E(level)[†]	J$^{\pi}$[‡]
0.0[#]	0$^+$
548.0[#] *2*	(2$^+$)
1206.3[#] *3*	(4$^+$)
1889.7[#] *4*	(6$^+$)
2281.9[#] *4*	(8$^+$)
2839.3[#] *5*	(10$^+$)

[†] From Eγ data.
[‡] From systematics.
[#] Band(A): Yrast sequence.

γ(^{164}Os)

E$_\gamma$	I$_\gamma$	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$
392.2 *2*	64 *4*	2281.9	(8$^+$)	1889.7	(6$^+$)
548.0 *2*	100 *5*	548.0	(2$^+$)	0.0	0$^+$
557.4 *2*	56 *2*	2839.3	(10$^+$)	2281.9	(8$^+$)
658.3 *2*	81 *5*	1206.3	(4$^+$)	548.0	(2$^+$)
683.4 *2*	67 *4*	1889.7	(6$^+$)	1206.3	(4$^+$)

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Level Scheme

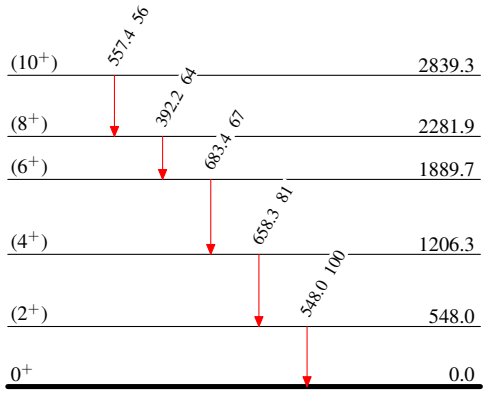
Intensities: Relative I_γ

Legend

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

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

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



$^{164}_{76}Os_{88}$

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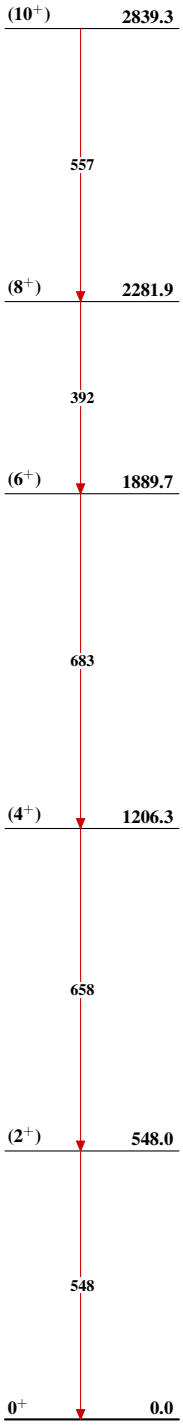
Band(A): Yrast sequence



$^{164}_{76}Os_{88}$