(HI,xnγ)

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao	NDS 133, 221 (2016)	1-Dec-2015

1999Ta03: ^{166}Er(^{36}Ar,4nγ), E=175 MeV; measured Eγ, Iγ with JUROSPHERE array of 24 Compton-suppressed Ge detectors, and identified using in-flight gas-filled recoil separator, RITU. At the focal plane of RITU separated ions were stopped in a 16-element position-sensitive, passivated ion-implanted planar silicon detector and isotope assigned on the basis of α energies and half-life.

^{198}Rn Levels

All data are from 1999Ta03.

E(level)[†]	Jπ[‡]
0.0	(0$^+$)[#]
339.0 *2*	(2$^+$)
749.5 *4*	(4$^+$)
1231.0 *5*	(6$^+$)
1779.8 *7*	(8$^+$)
2383.8 *11*	(10$^+$)

† From Eγ using least-squares fit to Eγ values.
‡ From systematics, except as noted.
# From Adopted Levels.

γ(^{198}Rn)

All data are from 1999Ta03.

E_γ	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π
339.0 *2*	100 *15*	339.0	(2$^+$)	0.0	(0$^+$)
410.5 *3*	68 *13*	749.5	(4$^+$)	339.0	(2$^+$)
481.5 *3*	58 *13*	1231.0	(6$^+$)	749.5	(4$^+$)
548.8 *5*	34 *10*	1779.8	(8$^+$)	1231.0	(6$^+$)
604.0 *8*	27 *9*	2383.8	(10$^+$)	1779.8	(8$^+$)

† Relative intensities.

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Level Scheme

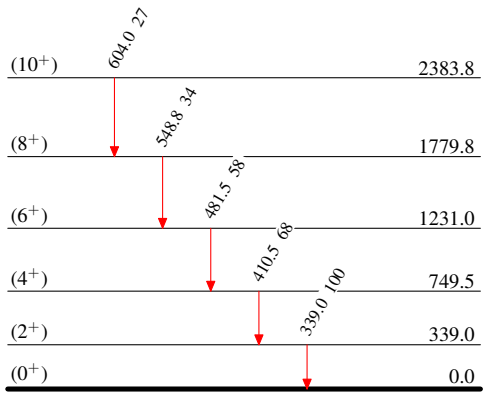
Intensities: Relative I_γ

Legend

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

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

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



$^{198}_{86}Rn_{112}$