^{176}Hf(α,4nγ) 1965La02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia	NDS 107, 791 (2006)	15-Sep-2005

1965La02: ^{176}Hf(α,4nγ), enriched ^{176}Hf, E(α)=52 MeV. Measured Eγ, Iγ. Detector: scin (NaI).
J$^{\pi}$,Mult: from Adopted Levels.

^{176}W Levels

E(level)	J$^{\pi}$
0.0[†]	0$^+$
100[†] *5*	2$^+$
339[†] *7*	4$^+$
689[†] *10*	6$^+$
1136[†] *15*	8$^+$
1659[†] *20*	10$^+$

[†] Band(A): K$^{\pi}$=0$^+$ g.s. rotational band.

γ(^{176}W)

Eγ	Iγ	E$_i$(level)	J$_i^{\pi}$	E$_f$	J$_f^{\pi}$	Mult.	α[†]
100 *5*	210 *50*	100	2$^+$	0.0	0$^+$	E2	2.81
239 *7*	740 *90*	339	4$^+$	100	2$^+$	E2	0.171
350 *5*	8.0×10^2 *10*	689	6$^+$	339	4$^+$		
447 *7*	5.8×10^2 *11*	1136	8$^+$	689	6$^+$		
523 *10*	4.8×10^2 *13*	1659	10$^+$	1136	8$^+$		

[†] 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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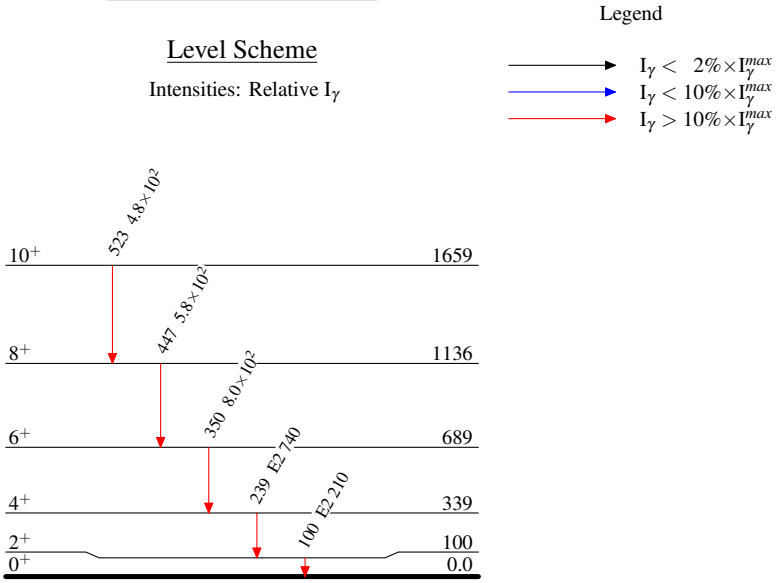
Level Scheme

Intensities: Relative I_γ



$^{176}_{74}W_{102}$

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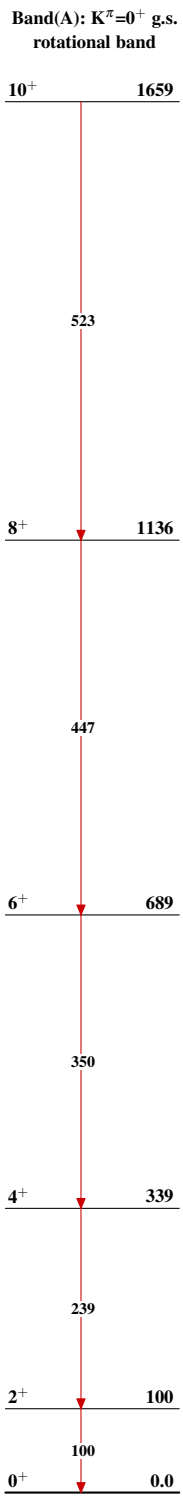

$^{176}_{74}W_{102}$