^{165}Ho(^{36}Ar,5n)   **2000Sm06**

| | | History | | |
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong	NDS 108, 1093 (2007)	1-Jan-2006

2000Sm06: E=178 MeV, measured Eα,Eγ,$\alpha\gamma$-coin,T1/2, conversion coefficient, RDT technique.

^{196}At Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	(3^+)	0.388 s *7*	J^π: From systematics of odd-odd nuclide.
			$T_{1/2}$: from 2000Sm06.
157.9 *1*	(5^+)	11 μs *2*	J^π: E2 γ to (3^+) g.s.
			$T_{1/2}$: from 2000Sm06.

$\gamma(^{196}\text{At})$

E_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.	$\alpha^\ddagger$	$I_{(\gamma+ce)}{}^\dagger$	Comments
157.9 *1*	157.9	(5^+)	0.0	(3^+)	E2	1.21	100	α(K)exp=0.34 *14*(2000Sm06)
								α(K)=0.269 *8*; α(L)=0.694 *21*; α(M)=0.185 *6*;
								α(N+..)=0.0634 *19*
								B(E2)(W.u.)=0.005
								Mult.: from α(K).
^{x}299								
^{x}434								
^{x}613								
^{x}666								

† Absolute intensity per 100 decays.

‡ 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.

^{x} γ ray not placed in level scheme.

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Level Scheme

(5$^+$) ——————————— 157.9   11 μs 2

157.9 E2

(3$^+$) ——————————— 0.0   0.388 s 7

$^{196}_{85}At_{111}$