^{73}Ge(n,γ) E=240 eV 1974Ch18

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, Ameenah R. Farhan	NDS 107, 1923 (2006)	30-Apr-2006

See ^{73}Ge(n,γ) E=102 eV, also.

^{74}Ge Levels

E(level)†	Jπ	Comments
0.0		
2569.6 *6*		
2830.7 *5*		
3105.6 *4*		
3372.8‡ *13*		
3436.8‡ *8*		
3699.0 *6*		
3708.9 *5*		
(S(n)+240)	5^+	E(level): S(n)=10196.22 *6* (2003Au03), E(n)=240 eV (1968Ma27). Jπ: from 1974Ch18.

† Based on S(n)=10196.15 *7* from (n,γ) E=thermal and Eγ's of 1974Ch18. Values systematically lower by about 2 keV as compared to those from (n,γ) E=thermal (1985HoZQ, 1991Is01).

‡ Level included by evaluators on the basis of (n,γ) E=thermal.

γ(^{74}Ge)

E_γ†	I_γ#@	E_i(level)	J_i^π	E_γ†	I_γ#@	E_i(level)	J_i^π
x5594.2‡ *3*	1.1 *11*			6759.8‡ *7*	1.7 *8*	(S(n)+240)	5^+
x5692.8 *5*	0.8 *7*			6823.7‡ *13*	3.8 *23*	(S(n)+240)	5^+
x5852.6‡ *3*	2.0 *9*			7090.8‡ *2*	8.9 *30*	(S(n)+240)	5^+
x6366.8‡ *7*	0.8 *6*			7365.7‡ *3*	3.1 *16*	(S(n)+240)	5^+
6487.5‡ *3*	6.9 *18*	(S(n)+240)	5^+	7626.8‡ *4*	4.6 *17*	(S(n)+240)	5^+
6497.4	1.2 *11*	(S(n)+240)	5^+				

† Energies systematically higher by 2 to 3 keV, when compared to 1985HoZQ in (n,γ) E=thermal.

‡ γ seen in (n,γ) E=thermal also.

Photons per 100 n-captures.

@ Intensity per 100 neutron captures.

x γ ray not placed in level scheme.