^{74}Ge(p,X) IAR 1978Kl05,1967Ha02,1977Dr01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Alexandru Negret, Balraj Singh	NDS 114, 841 (2013)	30-Jun-2013

Others: 1975Sc44, 1967Co04, 1966Ga14, 1962An02.
1978Kl05,1975Sc44 (same laboratory): ^{74}Ge(p,γ), E(p)=3.23-5.3 MeV; measured $\sigma(\theta)$; observed analog to antianalog transitions.
1967Ha02: ^{74}Ge(p,n), E(p)=3-10 MeV; measured cross sections.
1977Dr01: ^{74}Ge(p,p),(p,p′), E(p)=3.34-5.4 MeV; measured $\sigma(\theta)$. Enriched target.

^{75}As Levels

E(level)[†]	J$^\pi$[b]	L[c]	E(level)′[a]	Comments
10421 *3*	(1/2$^-$)	1	0	E(level): observed by 1978Kl05, 1977Dr01, 1967Co04. E(p)(lab)=3568 *3*, IAS of ^{75}Ge(g.s.).
10639[@] *3*	(9/2$^+$)		218	E(p)(lab)=3789 *3*, IAS of ^{75}Ge(200).
10668[@] *3*	(1/2$^-$)		248	E(p)(lab)=3819 *3*, IAS of ^{75}Ge(253).
10999[#] *3*	(3/2$^-$)	1	578	E(p)(lab)=4154 *3*, IAS of ^{75}Ge(581).
11027[#] *3*	(3/2$^+$)	2	606	E(p)(lab)=4182 *3*, IAS of ^{75}Ge(584).
11092[‡]				E(p)(lab)=4248.
11118[#] *3*	(1/2$^+$)	0	697	E(p)(lab)=4280 *3*, IAS of ^{75}Ge(675).
11334[#] *3*	(1/2$^-$)	1	914	E(p)(lab)=4494 *3*, IAS of ^{75}Ge(885).
11570[&]	(3/2$^-$)	1	1149	E(p)(lab)=4733, IAS of ^{75}Ge(1133).
11842[#] *3*	(5/2$^+$)	2	1421	E(p)(lab)=5009 *3*, IAS of ^{75}Ge(1396).
11871				E(p)(lab)=5038.
11884[#] *3*				E(p)(lab)=5051 *3*.
11958[#] *3*				E(p)(lab)=5126 *3*.
12108[&]				E(p)(lab)=5278.
12273				E(p)(lab)=5445.
12411				E(p)(lab)=5585.
12657				E(p)(lab)=5835.
12782				E(p)(lab)=5961.
12953				E(p)(lab)=6135.
13068				E(p)(lab)=6251.
13282				E(p)(lab)=6468.

[†] Calculated from E=0.98655E(p)+S(p). Proton energies (E(p) up to 5126 keV, except for 4248, 4733, 5038) are from 1978Kl05. All other E(p) are taken from 1967Ha02; S(p)=6900.7 *9* (2012Wa38).
[‡] From 1967Ha02 and 1967Co04 only.
[#] Observed in 1978Kl05, 1977Dr01, 1967Co04 and 1967Ha02.
[@] Observed only in 1978Kl05 and 1967Co04.
[&] Observed in 1977Dr01, 1967Ha02, 1967Co04 but E(p) from 1967Ha02.
[a] E(level)′=E(level)−E(g.s. analog).
[b] From L transfer and/or J$^\pi$ of corresponding states in ^{75}Ge (see Adopted Levels).
[c] From shape of $\sigma(\theta)$ (1977Dr01).