^{150}Nd(^{26}Mg,^{28}Mg) 2005Ke08

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia	NDS 114, 1189 (2013)	1-Apr-2013

Other: 2001Ge05.

2005Ke08: a beam of ^{26}Mg ions, E=160 MeV, bombarded onto a ^{150}Nd target; γ rays were detected using an array of 26 Ge clover detectors, 15 Ge cluster detectors, measured Eγ, $\gamma\gamma$ coin.

^{28}Mg Levels

E(level)[†]	J$^{\pi}$[‡]	Comments
0	0^+	
1473	2^+	
4020	4^+	
5172	3^-	
8438?	(6^+)	J$^{\pi}$: 4418γ to 4^+ state.

[†] From γ-ray placement.

[‡] From Adopted Levels, except otherwise noted.

γ(^{28}Mg)

E$_\gamma$	E$_i$(level)	J$_i^{\pi}$	E$_f$	J$_f^{\pi}$
1473	1473	2^+	0	0^+
2547	4020	4^+	1473	2^+
3699	5172	3^-	1473	2^+
4418[†]	8438?	(6^+)	4020	4^+

[†] Placement of transition in the level scheme is uncertain.

Legend

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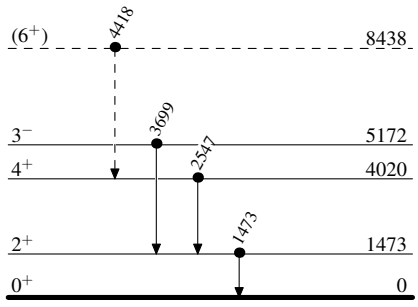
Level Scheme

γ Decay (Uncertain)

Coincidence



$^{28}_{12}Mg_{16}$