$^9\text{Be}(^{13}\text{C},^{12}\text{N}),^{10}\text{Be}(^{12}\text{C},^{12}\text{N})$ 1999Bo26

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu and J. L. Godwin, et al.	NP A745 155 (2004)	31-Mar-2004

1993Bo03, 1997Bo10, 1998Bo38, 1999Bo26: $^9\text{Be}(^{13}\text{C},^{12}\text{N})$ E=379, 336 MeV, measured spectra, Q, $\sigma(\theta)$ In some cases. ^{10}Li deduced mass, levels, possible J, π, Γ.

1997Bo10, 1999Bo26: $^{10}\text{Be}(^{12}\text{C}, ^{12}\text{N})$ E=357 MeV, measured particle spectra. ^{10}Li deduced resonance, J, π.

^{10}Li Levels

E(level)	J^π	$T_{1/2}$	Comments
0.21×10^3 *4*	(1^+)	100 keV *70*	E(level): from $E_{REL.}$(9LI + N)=0.24 MeV *4* (1999Bo26).
0.50×10^3 *6*	(2^+)	350 keV *80*	E(level): from $E_{REL.}$(9LI + N)=0.53 MeV *6* (1999Bo26).
0.77×10^3? *6*	(2^+)		E(level): from $E_{REL.}$(9LI + N)=0.80 MeV *6* (1993Bo03).
1.37×10^3 *8*	$(2^-,1^-)$	200 keV *70*	E(level): from $E_{REL.}$(9LI + N)=1.40 MeV *8* (1999Bo26).
2.32×10^3 *10*	$(1^+,3^+)$	1.2 MeV *4*	E(level): from $E_{REL.}$(9LI + N)=2.35 MeV *10* (1999Bo26).
2.82×10^3 *7*	$(1^-,2^+)$	0.3 MeV *2*	E(level): from $E_{REL.}$(9LI + N)=2.85 MeV *7* (1999Bo26).
4.16×10^3 *10*		120 keV *8*	E(level): from $E_{REL.}$(9LI + N)=4.19 MeV *10*(1999Bo26).
4.61×10^3 *10*	$(3^-,2^+)$	0.2 MeV *1*	E(level): from $E_{REL.}$(9LI + N)=4.64 MeV *10* (1999Bo26).
5.7×10^3 *1*		0.2 MeV *1*	E(level): from $E_{REL.}$(9LI + N)=5.7 MeV *1* (1999Bo26).