^{6}Li(^{6}Li,γ),(^{6}Li,p),(^{6}Li,n):res 1991Eu01,1987Do05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, J. E. Purcell and C. G. Sheu	NP A968,71 (2017)	1-Jan-2017

1987Do05: ^{6}Li(^{6}Li,p$_2$),(^{6}Li,n$_2$), E(^{6}Li)=8.4 MeV, deduce resonance at E$_x$=32.4 MeV with Γ=1 MeV.
1991Eu01: ^{6}Li(^{6}Li,γ):res, E(^{6}Li)=1 to 8 MeV. Using Q=28.178 MeV, evidence for high lying states is obtained.

^{12}C Levels

E(level)	J$^{\pi}$	T$_{1/2}$	Comments
30.33×10^3	(2$^+$,2$^-$)	0.8 MeV	J$^{\pi}$; T=2$^+$; 0 and 2$^-$; 1 are suggested. E(level): From ^{6}Li(^{6}Li,γ). See also ^{6}Li(^{6}Li,α) (1983Mi10).
32.4×10^3		≈1 MeV	E(level): From ^{6}Li(^{6}Li,p$_2$),(^{6}Li,n$_2$).