C(^{11}Li,N9LI),(^{11}Be,N9LI) 1997Zi04

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

1995Zi03: C(^{11}Li,X) E=280 MeV/nucleon; (^{11}Be,X) E=460 MeV/nucleon, measured neutron radial momentum distributions In coincidence with fragment following projectile breakup. ^{10}Li deduced possible level.

1997Zi04: C(^{11}Li,Xn) E=280 MeV/nucleon, measured neutron multiplicity, breakup σ. ^{10}Li deduced resonances, decay features, Γ-decay associated sum rule strengths.

^{10}Li Levels

E(level)	$T_{1/2}$	Comments
0		E(level): from $E_{REL.}$(9LI + N)<50 keV (1997Zi04).
0.18×10^3? *5*	0.12 MeV *+10−5*	E(level): from $E_{REL.}$(9LI + N)=0.21 MeV *5* (1997Zi04).
0.59×10^3 *10*	0.6 MeV *1*	E(level): from $E_{REL.}$(9LI + N)=0.62 MeV *10* (1997Zi04).
≈1.6×10^3		E(level): from Pb(^{11}Li,N9LI), $E_{REL.}$(9LI + N)≈1.6 MeV (1997Zi04).