^{64}Ni(^{6}Li,^{6}He) 1974Ga11

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen	NDS 178, 41 (2021).	12-Nov-2021

1974Ga11: E(^{6}Li)=36 MeV. Measured ^{6}He using a magnetic spectrograph, FWHM=50 keV, $\sigma(\theta)$ data. DWBA analysis of $\sigma(\theta)$ data.

^{64}Cu Levels

E(level)†	L	E(level)†	L	E(level)†	L	E(level)†	L
0	0	608	2	2050‡ *15*	2	3195 *20*	(2)
159	2	740‡ *10*	(2,3)	2293‡ *15*	2	3998 *20*	2#
278	2	918 *10*	0	2500 *20*	(2)	4039 *20*	2#
356‡	(2)	1349‡ *10*	(0,2)	2982 *20*	(2)	4308 *25*	2

† Below 700 keV, 1974Ga11 quoted values from literature. Only the main groups are listed here. In the displayed ^{6}He spectrum there are many other unresolved groups up to 5 MeV excitation energy.

‡ Possible doublet.

For 3998+4039 unresolved group.