$^{12}C(d,^{6}Li)$ 2004Ti06

History

Type	Author	Citation	Literature Cutoff Date
Update	J. H. Kelley, J. L. Godwin, C. G. Sheu	ENSDF	31-Mar-2004

1971Gu07: $^{12}C(d,^{6}Li)$ E=19.5 MeV, measured $\sigma(E(^{6}Li),\theta)$.
1971Mc04: $^{12}C(d,^{6}Li)$ E=55 MeV, measured $\sigma(E(^{6}Li))$.
1972Be29: $^{12}C(d,^{6}Li)$ E=28 MeV, measured $\sigma(\theta)$. ^{8}Be deduced relative S.
1972Co23: $^{12}C(d,^{6}Li)$ E=28 MeV, measured $\sigma(E(^{6}Li),\theta)$. Deduced multistep process contributions.
1974Ga30 $^{12}C(d,^{6}Li)$ E=13.6 MeV, measured $\sigma(\theta)$.
1975Be01: $^{12}C(d,^{6}Li)$ E=35 MeV, measured $\sigma(E(^{6}Li),\theta)$. Deduced α-S.
1975Go36: $^{12}C(d,^{6}Li)$ E=13.2, 12.7 MeV, measured $\sigma(\theta)$.
1980Ya02: $^{12}C(d,^{6}Li)$ E=54.25 MeV, measured $\sigma(\theta)$. ^{8}Be levels deduced S_{α}. DWBA analysis.
1981Do15: $^{12}C(d,^{6}Li)$ E=12.7, 13.2, 13.6 MeV, measured $\sigma(E(^{6}Li))$, $\sigma(\theta)$. ^{8}Be deduced level.
1981Ov02: $^{12}C(d,^{6}Li)$ E=33 MeV, measured $\sigma(E_{\alpha})$, $\sigma(E_{d})$. ^{8}Be resonance deduced Γ, α-reduced widths.
1983Sh39: $^{12}C(d,^{6}Li)$ E=12.7, 13.2 MeV, measured $\sigma(\theta)$, ratios. ^{8}Be level deduced production mechanism. ToF.
1984Um04: $^{12}C(d,^{6}Li)$ E=54.2 MeV, measured $\sigma(\theta)$. ^{8}Be levels deduced α-particle spectroscopic factors. Finite-range DWBA analysis.
1986Ya12: ^{12}C(pol. d,^{6}Li) E=51.7 MeV, measured $\sigma(\theta)$, analyzing power vs. θ. ^{8}Be level deduced spectroscopic factors. Finite-range DWBA analysis.
1987Ta07: ^{12}C(pol. d,^{6}Li) E=18, 22 MeV, measured $\sigma(\theta)$ iT_{11}, T_{20}, T_{21}, T_{22} vs. θ. DWBA analysis.
1988Ra27: E=15 MeV, analyzed $\sigma(\theta)$. ^{8}Be level deduced spectroscopic factors. DWBA analysis.
1989Go07: $^{12}C(d,^{6}Li)$ E=50 MeV, measured $\sigma(E(^{6}Li))$, $\theta(^{6}Li)$. Deduced reaction mechanism, potential dependence.
1989Go26: $^{12}C(d,^{6}Li)$ E=50 MeV, measured $\sigma(E(^{6}Li),\theta)$, $\sigma(\theta)$. DWBA.

^{8}Be Levels

E(level)	S_{α}
0.0	0.48
3.0×10^{3}	0.51
11.4×10^{3}	0.82
16.6×10^{3}	
16.9×10^{3}	