^{16}O(d,^{6}Li) 1979Oe04,1980Ya02

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

1971Gu07: ^{16}O(d,^{6}Li) E=19.5 MeV, measured σ(E(^{6}Li),θ).
1971Mc04: ^{16}O(d,^{6}Li) E=55 MeV, measured σ(E(^{6}Li)).
1972Be29: ^{16}O(d,^{6}Li) E=28 MeV, measured $\sigma(\theta)$. ^{12}C deduced relative S.
1974Ga30,1975Go09: ^{16}O(d,^{6}Li) E=12.7,13.6 MeV, measured σ(E(^{6}Li),θ).
1975Be01: ^{16}O(d,^{6}Li) E=35 MeV, measured σ(E(^{6}Li),θ). Deduced S_α.
1978Be70: ^{16}O(d,^{6}Li) E=50,65,80 MeV, measured $\sigma(\theta)$. ^{12}C levels, deduced S_α. Zero-range DWBA analysis.
1978Oe02,1979Oe04: ^{16}O(d,^{6}Li) E=50,60,65,80 MeV, measured σ(E(^{6}Li),θ). ^{12}C levels deduced S_α. DWBA calculations.
1980Ya02,1984Um04: ^{16}O(d,^{6}Li) E=54.25 MeV, measured $\sigma(\theta)$. ^{12}C levels deduced S_α. DWBA analysis.
1986Ya12: ^{16}O(pol. d,^{6}Li) E=51.7 MeV, measured $\sigma(\theta)$, analyzing power vs θ. ^{12}C level deduced spectroscopic factors. Finite-range DWBA analysis.
1987Ta07: ^{16}O(pol. d,^{6}Li) E=18,22 MeV, measuredr $\sigma(\theta)$, iT_{11}, T_{20}, T_{21}, T_{22} vs θ. DWBA analysis.

^{12}C Levels

E(level)‡	S_α†
0	0.57
4.4×10^{3}	1.50
7.7×10^{3}	0.09
9.6×10^{3}	0.05
14.1×10^{3} *26*	0.83
19.5×10^{3} *15*	

† From (1980Ya02).
‡ From (1978Oe02,1979Oe04).