^{7}Li(n,n′) 2004Ti06

History

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

1968Ho03: ^{7}Li(n,n),^{7}Li(n,n′) E=3.35 MeV, 4.83 MeV, 5.74 MeV, 7.5 MeV, measured $\sigma(E_{N'},\theta)$.
1974Hy01: ^{7}Li(n,n),^{7}Li(n,n′) E=14.1 MeV, measured $\sigma(E_{N'},\theta)$.
1977Bi12: ^{7}Li(n,n),^{7}Li(n,n′) E=9.1 MeV, measured σ.
1979Ho11: ^{7}Li(n,n),^{7}Li(n,n′) E=7-14 MeV, measured $\sigma(\theta)$, integral σ.
1979Kn01: ^{7}Li(n,n),^{7}Li(n,n′) E=4-7.5 MeV, measured $\sigma(\theta)$.
1981Ch36: ^{7}Li(n,n),^{7}Li(n,n′) E=14.7 MeV, measured $\sigma(\theta)$. Deduced optical model parameters.
1981Kn03: ^{7}Li(n,n),^{7}Li(n,n′) E<8 MeV. ^{8}Li deduced levels, J, reduced widths, π. R-matrix analysis.
1984Sh01: ^{7}Li(n,n),^{7}Li(n,n′) E=14.7 MeV, measured $\sigma(\theta)$.
1985Ch37: ^{7}Li(n,n),^{7}Li(n,n′) E=5.4, 6, 14.2 MeV, measured $\sigma(\theta)$, $\sigma(\theta_1,\theta_2)$. Deduced reaction σ.
1986Ch24: ^{7}Li(n,n),^{7}Li(n,n′) E=14.2 MeV, measured $\sigma(\theta)$.
1986HaZR: ^{7}Li(n,n′) E=8, 24 MeV, measured $\sigma(\theta)$.
1987Sc08: ^{7}Li(n,n),^{7}Li(n,n′) E=6.82-9.80 MeV, measured $\sigma(\theta)$. ^{7}Li(n,n) E=6-14 MeV. Deduced σ(E).
1988Ch09: ^{7}Li(n,n),^{7}Li(n,n′) E=11, 13 MeV, measured $\sigma(E_N)$, $\sigma(\theta)$. Deduced σ.

^{8}Li Levels

E(level)	J^{π}	$T_{1/2}$	Comments
3213	$(1^-,1^+,2^+)$	1.0 MeV	E(level): from E_{res}=1.35 MeV.
5355		0.65 MeV	E(level): from E_{res}=3.8 MeV.
6.4×10^3?		1.14 MeV	E(level): from E_{res}=5.0 MeV.
8.0×10^3?			E(level): from E_{res}=6.8 MeV.
$9.\times10^3$			E(level): from E_{res}=8 MeV.