^{7}Li(d,p) 2004Ti06,1979Aj01,1967Sc29

History

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

1965Wo01: ^{7}Li(d,p) E=0.29-0.5 MeV, measured σ(E).
1967Sc29: ^{7}Li(d,p) deduced nuclear properties.
1973Ab10: ^{7}Li(d,p) E=2-8 MeV, measured σ(E).
1974Lo10: ^{7}Li(d,p) E=1.9, 2.5 MeV, calculated $\sigma(\theta)$. ^{8}Li deduced S.
1975Mc02: ^{7}Li(d,p) E=THRESH.−3.8 MeV, measured σ(E).
1976Sc14: ^{7}Li(d,p) E=0.613-1.948 MeV, measured σ(E).
1980Ye02: ^{7}Li(d,p) E=9.05 MeV, measured $\sigma(\theta)$. Deduced reaction mechanism. Optical model, zero-range DWBA analysis.
1982El03: ^{7}Li(d,p) E=0.684-0.896 MeV, measured $\sigma(E_d,\theta)$, reaction σ.
1982Fi03: ^{7}Li(d,p) E=0.6-1.2 MeV, measured β-delayed E_α, I_α. Deduced absolute, total σ(E).
1983Fi13: ^{7}Li(d,p) E=600-1000 keV, measured yield vs E.
1986Ab04: ^{7}Li(d,p) E=2-10 MeV, measured σ(E).
1986Go23: ^{7}Li(d,p) E=18.6 MeV, measured $\sigma(\theta)$. Deduced optical model parameters. DWBA analyses.
1998Ad12: ^{7}Li(d,p) E=low, compiled, analyzed S-factor data.
1998St20: ^{7}Li(d,p) E=0.4-1.8 MeV, measured yields. Deduced recoil loss for several backing materials.
1998We05: ^{7}Li(d,p) E=776 keV, measured σ. Deduced backscattering loss effect.

^{8}Li Levels

Projectile: energy: E=12 MeV.

E(level)	$T_{1/2}$	S	Comments
0.0		0.87	
980	7.0 fs *31*	0.48	Γ: from 1971Th02.