

${}^6\text{Li}(\text{d},\gamma)$ 2004Ti06

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

1976No07: ${}^6\text{Li}(\text{d},\gamma)$ E=6.85-7.10 MeV, measured yields. ${}^8\text{Be}$ deduced resonance, Γ , T.

1991Wi19: ${}^6\text{Li}(\text{pol. d},\gamma)$ E=90 MeV, measured E_γ , I_γ , $\sigma(\theta)$, vector, tensor analyzing power vs θ . ${}^8\text{Be}$ deduced d+ ${}^6\text{Li}$ D-state probability.

1994Wi08: ${}^6\text{Li}(\text{pol. d},\gamma)$ E=2-14 MeV, measured $\sigma(E)$ vs θ , vector, tensor analyzing power vs θ , E. Deduced transition matrix elements phases. ${}^8\text{Be}$ deduced D-state probability.

 ${}^8\text{Be}$ Levels

E(level)	$T_{1/2}$	Comments
0		
3.0×10^3		
17.64×10^3		
27495.8 24	5.5 keV 20	T=2 E(level): from $E_{\text{res}}=6965$ keV.

 $\gamma({}^8\text{Be})$

E_γ	$E_i(\text{level})$	E_f	Mult.	Comments
9847.6	27495.8	17.64×10^3	M1	$\Gamma_\gamma=21.9$ eV 39 Γ_γ : from (1979Fr04). Revised from $\Gamma_\gamma=24$ eV 3 (1976No07).

 ${}^6\text{Li}(\text{d},\gamma)$ 2004Ti06Level Scheme