
 ${}^3\text{H}(\alpha,\alpha)$ **2002Ti10,1967Sp10**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Hu, Tilley, Kelley, Godwin et al.		NP A708,3 (2002)	23-Aug-2001

1967Sp10: ${}^3\text{H}(\alpha,\alpha)$ E=4– 18 MeV, measured $\sigma(E,\theta)$, ${}^7\text{Li}$ deduced levels, J, π .

1968Iv01: ${}^3\text{H}(\alpha,\alpha)$ E=3– 11 MeV, measured $\sigma(E,\theta)$, ${}^7\text{Li}$ deduced levels, J, π , L.

1982CoZU: ${}^3\text{H}(\alpha,\alpha)$ E=11.5– 17 MeV, measured $\sigma(\theta)$. ${}^7\text{Li}$ deduced resonances.

1988Sa13: ${}^3\text{H}(\alpha,\alpha)$ E=0.5– 2.5 MeV, measured recoil $\sigma(\theta_l)$.

 ${}^7\text{Li}$ Levels

E(level)	J^π	Comments
4.65×10^3 2	$7/2^-$	=3. $\theta_\alpha^2 = 0.57$ 4.
6.64×10^3 10	$5/2^-$	=3. $\theta_\alpha^2 = 1.36$ 13 and $\theta_{n0}^2 = 0.000$ 2.
6.79×10^3 9	$5/2^-$	=3. $\theta_\alpha^2 = 0.52$.
7.47×10^3 3	$5/2^-$	=3. $\theta_\alpha^2 = 0.011$ 1 and $\theta_{n0}^2 = 0.26$ 2.
9.67×10^3 10	$7/2^-$	=3. $\theta_\alpha^2 = 0.53$ 22 and $\theta_{N1}^2 = 2.3$ 7.