

${}^9\text{Be}(t,\alpha)$  2004Ti06

Type	Author	History	Citation	Literature Cutoff Date
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1968Aj01:  ${}^9\text{Be}(t,\alpha)$  E=12.9 MeV, measured  $\sigma(E_\alpha, \theta)$ .  ${}^8\text{Li}$  deduced levels,  $\Gamma$ -level.

1969Na04:  ${}^9\text{Be}(t,\alpha)$  E=0.52-1.70 MeV, measured  $\sigma(E, \theta)$ . Deduced direct reaction contribution.

1970Co04:  ${}^9\text{Be}(t,\alpha_0)$  E=2.10 MeV, measured  $\sigma(\theta)$ .  ${}^8\text{Li}$  ground state deduced S.

1972Co09:  ${}^9\text{Be}(t,\alpha)$  E=1.0 MeV, measured  $E_\gamma(\text{THETA})$ , Doppler-shift attenuation.  ${}^8\text{Li}$  deduced  $T_{1/2}$ .

1981Ar19:  ${}^9\text{Be}(\text{pol. } t,\alpha)$  E=17 MeV, measured  $\sigma(\theta)$ , analyzing power vs.  $\theta$ .  ${}^8\text{Li}$  level deduced J,  $\pi$ . CCBA analysis.

1983Ce01:  ${}^9\text{Be}(t,\alpha)$  E=70-110 keV, measured thick target yields. Deduced  $\sigma(\theta, E)$ , astrophysical S-factor vs.  $\theta$ , E.

1988Li27:  ${}^9\text{Be}(t,\alpha)$  E=15 MeV, measured  $\sigma(E_\alpha)$ ,  $\sigma(E({}^8\text{Li}))$ ,  $\sigma(\theta)$ . Deduced model parameters.  ${}^8\text{Li}$  deduced levels, J,  $\pi$ ,  $C^2S$ .

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

E(level)	J $\pi$	$T_{1/2}$	Comments
0			
980.80 10		9.7 fs 40	E(level): from ${}^9\text{Be}(t,\alpha \gamma)$ (1972Co09). $T_{1/2}$ : from ${}^9\text{Be}(t,\alpha \gamma)$ (1972Co09).
$2.26 \times 10^3$			
$6.53 \times 10^3$ 2	4+	<40 keV	