

${}^6\text{Li}(\text{d},\text{n})$  2002Ti10,1974Aj01

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

- 1956Ne13:  ${}^6\text{Li}(\text{d},\text{n})$   $E_d=400, 600, 1500$  keV, measured the angular correlation of N- $\gamma$ .  
 1957SI01,  ${}^6\text{Li}(\text{d},\text{n})$   $E_d=1-5.5$  MeV, two broad thresholds were observed corresponding to levels in  ${}^7\text{Be}$ ,  $\Gamma$ .  
 1966Sc26:  ${}^6\text{Li}(\text{d},\text{n})$   $E=0.24-0.84$  MeV, measured  $\sigma(E,\theta)$ .  
 1970Ga07:  ${}^6\text{Li}(\text{d},\text{n})$   $E=12-17$  MeV, measured  $\sigma(E,E({}^7\text{Be}),\theta({}^7\text{Be}))$ .  ${}^7\text{Be}$  levels deduced S.  
 1970Th08:  ${}^6\text{Li}(\text{d},\text{N}_0),(\text{d},\text{N}_1)$   $E=2.5-3.7$  MeV, measured  $P_n(E,\theta=10-140^\circ)$ .  
 1975Az02:  ${}^6\text{Li}(\text{d},\text{n})$   $E=13.9, 15.25$  MeV, measured  $\sigma(E_N,\theta)$ .  
 1977EI09:  ${}^6\text{Li}(\text{d},\text{n})$   $E=0.2-0.9$  MeV, measured  $\sigma(E,\theta)$ .  
 1979Ru07:  ${}^6\text{Li}(\text{d},\text{n})$   $E=0.4-10$  MeV, measured  $\sigma(E)$ .  
 1985Ce12:  ${}^6\text{Li}(\text{d},\text{n})$   $E=50-160$  keV, measured thick target  $\gamma$ -ray yields.  
 1997Cz04:  ${}^6\text{Li}(\text{d},\text{n})$   $E=65-135$  keV, measured charged particle spectra.

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

| E(level)          | $J^\pi$ | $T_{1/2}$ | Comments                          |
|-------------------|---------|-----------|-----------------------------------|
| 0                 |         |           |                                   |
| 429.9             | $1/2^-$ |           | E(level): from recoil correction. |
| $6.5 \times 10^3$ |         | 1.2 MeV   |                                   |
| $7.2 \times 10^3$ |         | 0.5 MeV   |                                   |

 $\gamma({}^7\text{Be})$ 

| $E_\gamma$ | $E_i(\text{level})$ | $J_i^\pi$ | $E_f$ |
|------------|---------------------|-----------|-------|
| 428.9 20   | 429.9               | $1/2^-$   | 0     |

 ${}^6\text{Li}(\text{d},\text{n})$  2002Ti10,1974Aj01Level Scheme