

$^9\text{Be}(\alpha, \text{d})$     [1975Pu01,1982Zw02](#)

| Type            | Author                   | History | Citation          | Literature Cutoff Date |
|-----------------|--------------------------|---------|-------------------|------------------------|
| Full Evaluation | J. H. Kelley, C. G. Sheu |         | NP A880,88 (2012) | 1-Jan-2011             |

[1975Pu01](#):  $^9\text{Be}(\alpha, \text{d})$  E=26.5-27.5 MeV, measured  $\sigma(E, E_d, \theta)$ ,  $\theta=7.5$  degree-120 degree(C.M.).  $^{11}\text{B}$  transistons deduced L.

[1975Va19](#):  $^9\text{Be}(\alpha, \text{d})$  E=15-25 MeV, measured  $\sigma(E, E_d, \theta)$ . Deduced reaction mechanism.

[1982Zw02](#):  $^9\text{Be}(\alpha, \text{d})$  E=48 MeV, measured  $\sigma(E_d)$ .  $^{11}\text{B}$  deduced levels, widths, isospin purity, L, normalization factors. DWBA analysis.

[1984Va07](#):  $^9\text{Be}(\alpha, \text{d})$  E=30.2 MeV, measured  $\sigma(\theta)$ . Deduced angle-integrated  $\sigma$ , optical model parameters, reaction mechanism.

 $^{11}\text{B}$  Levels

| E(level)            | $T_{1/2}$     | L   | Comments                                                |
|---------------------|---------------|-----|---------------------------------------------------------|
| 0                   |               | 0,2 |                                                         |
| $2.12 \times 10^3$  |               | 0   | E(level): L: from ( <a href="#">1975Pu01</a> ).         |
| $4.44 \times 10^3$  |               |     | E(level): from ( <a href="#">1975Pu01</a> ).            |
| $5.02 \times 10^3$  |               | 0   | E(level): L: from ( <a href="#">1975Pu01</a> ).         |
| $6.74 \times 10^3$  |               |     | E(level): from ( <a href="#">1975Pu01</a> ).            |
| $6.79 \times 10^3$  |               |     | E(level): from ( <a href="#">1975Pu01</a> ).            |
| $7.29 \times 10^3$  |               |     | E(level): from ( <a href="#">1975Pu01</a> ).            |
| $14.47 \times 10^3$ | 260 keV       | 25  | E(level): $\Gamma$ : from ( <a href="#">1982Zw02</a> ). |
| $14.57 \times 10^3$ | $\leq 30$ keV |     | E(level): $\Gamma$ : from ( <a href="#">1982Zw02</a> ). |