

$^{70}\text{Ge}(\text{d,t})$ , (pol d,t) 1977Bi08

| Type            | Author         | History<br>Citation | Literature Cutoff Date |
|-----------------|----------------|---------------------|------------------------|
| Full Evaluation | C. D. Nesaraja | NDS 115, 1 (2014)   | 31-Jul-2013            |

1977Bi08: polarized d at E=16 MeV, measured:  $\sigma(\theta)$ ,  $\theta=15^\circ-80^\circ$  and vector-analyzing powers.  $\Delta E$ -E telescopes resolution (FWHM)=60 keV, magnetic spectrograph resolution (FWHM)=18 keV. DWBA analysis.

 $^{69}\text{Ge}$  Levels

| E(level) | $J^\pi$ <sup>†</sup> | $L$ <sup>‡</sup> | C <sup>2</sup> S | E(level)          | $J^\pi$ <sup>†</sup> | $L$ <sup>‡</sup> | C <sup>2</sup> S | E(level) | $J^\pi$ <sup>†</sup> | $L$ <sup>‡</sup> | C <sup>2</sup> S |
|----------|----------------------|------------------|------------------|-------------------|----------------------|------------------|------------------|----------|----------------------|------------------|------------------|
| 0        | $5/2^-$              | 3                | 3.2 8            | 1159              | $(3/2)^-$            | 1                | 0.04 1           | 1611     | $(5/2^-)$            | (3)              | 0.24 8           |
| 87       | $1/2^-$              | 1                | 0.61 15          | 1306              | $3/2^-$              | 1                | 0.05 1           | 1724     | $(3/2)^-$            | 1                | 0.07 2           |
| 233      | $(3/2)^-$            | 1                | 0.07 2           | 1414              | $(5/2)^-$            | 3                | 0.17 6           | 1763     | $(1/2^+)$            | (0)              | 0.02 1           |
| 374      | $3/2^-$              | 1                | 1.7 4            | 1438              | $(1/2^+)$            | (0)              | 0.01 1           | 2091     | $1/2^+$              | 0                | 0.02 1           |
| 398      |                      |                  |                  | 1466 <sup>#</sup> | $9/2^+$              | 4                | 0.66 23          | 2106     | $(3/2)^-$            | 1                | 0.11 4           |
| 813      | $5/2^+$              | 2                | 0.09 2           | 1479 <sup>#</sup> | $(5/2)^-$            | 3                | 0.21 7           | 2145     | $(9/2)$              | 4                | 0.29 7           |
| 995      | $1/2^-$              | 1                | 0.25 6           | 1537              | $(3/2)^-$            | 1                | 0.02 1           |          |                      |                  |                  |

<sup>†</sup> From measured L value and vector-analyzing power.

<sup>‡</sup> From DWBA analysis of  $\sigma(\theta)$ .

<sup>#</sup> Doublet components. Energies are rounded-off values from Adopted Levels. Authors report E=1468 with L=4+3 and J=9/2 and (5/2).