

$^{58}\text{Ni}(p, ^3\text{He})$  1970Br48

| Type            | Author                       | History | Citation             | Literature Cutoff Date |
|-----------------|------------------------------|---------|----------------------|------------------------|
| Full Evaluation | Huo Junde, Huo Su, Yang Dong |         | NDS 112, 1513 (2011) | 29-Oct-2009            |

E=45 MeV, FWHM: 45-keV, measured  $\sigma(\theta)$ , DWBA analyses.

 $^{56}\text{Co}$  Levels

| E(level) | L <sup>†</sup> | Comments   |
|----------|----------------|--|
| 0        | 4              |  |
| 166      | 2+4            |  |
| 578      | 4+6            |  |
| 840      | 4              |  |
| 961      | 2+4            | E(level): 961 and 1001 unresolved.<br>L: L=2+4 may be for 961+1001 doublet, adopted $J^\pi(961)=2^+$ would require L=2 only. |
| 1001     | 2              | L: L(1001)=2 is inconsistent with the adopted $J^\pi(1009)=5^+$ probably due to unresolved 961 and 1001.                     |
| 1106     | 4              |  |
| 1444     | 0              |  |
| 1714     | 0+2            |  |
| 1924     | 2+4            |  |
| 2050     | 2              |  |
| 2220     | 2              |  |
| 2271     | 6              |  |
| 2371     |                |  |
| 2456     | 0(+2)          |  |
| 2626     | 2              |  |
| 2734     |                |  |
| 2946     |                |  |
| 3048     | 4              |  |
| 3137     | 2+4            |  |
| 3396     | 2              |  |
| 3501     | 0              |  |
| 3587     | 0              | T=2  |
| 4432     | 2              | T=2  |
| 5090     |                |  |
| 5187     | 2              |  |

<sup>†</sup> Based on  $\sigma(\theta)$  fits with DWBA.