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 $^{106}\text{Cd}(\alpha,2n\gamma)$  **1969Ya05**

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| Type            | History      |          | Literature Cutoff Date |
|-----------------|--------------|----------|------------------------|
|                 | Author       | Citation |                        |
| Full Evaluation | Jean Blachot | ENSDF    | 1-Jul-2008             |

$E\alpha=30,40, 50$  MeV; semi.

Authors placed gammas in level scheme on the basis of  $\gamma$ -ray intensity and analogy to  $^{110}\text{Sn}$ .

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 $^{108}\text{Sn}$  Levels

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| <u>E(level)</u> | <u><math>J^\pi^\dagger</math></u> |
|-----------------|-----------------------------------|
| 0               | $0^+$                             |
| 1206            | $(2^+)$                           |
| 2111            | $(4^+)$                           |
| 2365            | $(6^+)$                           |

$^\dagger$  From Adopted Levels.

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 $\gamma(^{108}\text{Sn})$ 

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| <u><math>E_\gamma</math></u> | <u><math>E_i(\text{level})</math></u> | <u><math>J_i^\pi</math></u> | <u><math>E_f</math></u> | <u><math>J_f^\pi</math></u> |
|------------------------------|---------------------------------------|-----------------------------|-------------------------|-----------------------------|
| 253.7                        | 2365                                  | $(6^+)$                     | 2111                    | $(4^+)$                     |
| 905.8                        | 2111                                  | $(4^+)$                     | 1206                    | $(2^+)$                     |
| <sup>x</sup> 1120.8          |                                       |                             |                         |                             |
| 1206.0                       | 1206                                  | $(2^+)$                     | 0                       | $0^+$                       |
| <sup>x</sup> 1296.5          |                                       |                             |                         |                             |
| <sup>x</sup> 1396.0          |                                       |                             |                         |                             |

<sup>x</sup>  $\gamma$  ray not placed in level scheme.

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Level Scheme

