

Status Report of Japanese Group for Nuclear Structure and Decay Data Evaluation

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1. Members

Present members of Japanese group are: A. Hashizume (former affiliation: RIKEN), M. Kanbe (former affiliation: Tokyo City University), J. Katakura (Nagaoka University of Technology), K. Kitao (former affiliation: National Institute of Radiological Science), H. Koura (JAEA), S. Ohya (former affiliation: Niigata University), and H. Iimura (JAEA), who serves as group leader. The group holds a meeting once a year to exchange information on each member's progress in evaluation. Japanese group is a sub-group of JENDL committee, which supports travel cost for group meetings.

2. Mass chain evaluation

Japanese group is responsible for mass chain evaluation of $A=120-129$. We are now evaluating $A=120$ (Hashizume), 123 (Kanbe) and 126 (Iimura, Katakura, Ohya). Among them, $A=120$ and 126 have almost been completed, and their first draft will be sent to

Status of Mass Chain Evaluation

| Mass | Last NDS publication | | Status |
|------|----------------------|--------------------------|---|
| | Year | Evaluators | |
| 118 | 1995 | Kitao | |
| 120 | 2002 | Kitao, Tendow, Hashizume | Being evaluated (Hashizume) |
| 121 | 2010 | Ohya | |
| 122 | 2007 | Tamura | |
| 123 | 2004 | Ohya | Being evaluated (Kanbe) |
| 124 | 2008 | Katakura, Wu | |
| 125 | 2011 | Katakura | |
| 126 | 2002 | Katakura, Kitao | Being evaluated (Iimura, Katakura, Ohya) |
| 127 | 2011 | Hashizume | |
| 128 | 2015 | Timar, Elekes, Singh | |
| 129 | 2014 | Timar, Elekes, Singh | |

NNDC within a few months for review. Also, references of A=122 and 124 are now being collected by Katakura, Koura and Ohya in order to start the evaluation of these mass chains.

Kitao had been making the evaluation of A=118 until last year. Although there still remain some works before completion, he now is not able to continue to evaluate A=118 because of his health problem. It is also difficult for other members of Japanese group to replace him. So, Japanese group is proposing to shift the responsibility of A=118 to other centers.

3. Chart of the nuclides

10th edition of JAEA chart of the nuclides was published in 2014. Next edition is planned as chart of nuclides 2018. Compilation for this edition is in progress by Koura, Katakura, Minato and Tachibana.