

§6-1 Investigation and Analysis of Historical Documents and Materials in the Planning Phase of the Fusion Energy Research Projects in Japan

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The purpose of this general collaboration research is to clarify each position of the main documents and materials, which were given to JAERI/JAEA by Prof. K. Yamamoto and Dr. S. Mori,^{1), 2)} from a historical viewpoint of the developmental research (project-oriented fusion energy research) as well as the academic one in Japan. As the first stage, the important items of investigation and analysis of them were listed as follows: the initiation of project-oriented fusion research, the choice of “tokamak” type as the promising fusion device, the construction of the break-even plasma test facilities JT-60, the initiation of international cooperation including Japan-US cooperation of D-III etc., the participation in the ITER project and so on.

Then to see mutual relativity of each of the main documents and materials to the above investigation and analysis items or other historically important events, preparatory arrangements of the chronological table of fusion energy research closely related to Prof. K. Yamamoto and Dr. S. Mori have been started. In the next stage, the following works are planned: the extraction of the main and important documents and materials, analysis of them, investigation of mutual relativity, and such. It would be expected that each position of the main and important documents and materials would be made clear from a historical point of view in fusion energy research in Japan in the final stage.

- 1) Matsuda S., “The role played by the pioneers in fusion energy development seen in terms of archives (1)”, Plasma Conference 2014, Niigata, Nov. 2014.
- 2) Matsuda, S., “The role played by the fusion research leaders seen from a viewpoint of archives”, Symposium on archives for natural science, NIFS, Dec. 2014.



Fig. 1. The shelves which store the carton boxes containing Prof. K.Yamamoto's documents and materials (front row) and Dr. S.Mori's ones (rear row)



Fig. 2. The carton boxes containing Prof. K.Yamamoto's documents and materials



Fig. 3. The carton boxes containing Dr. S.Mori's documents and materials