

趣旨説明

Purpose of the Symposium on ' EU & JA Collaborative Activities and Joint Exploitation Strategy towards JT-60SA Experiment'

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<Purpose>

The JT-60SA project is the EU and JA joint project. For the JT-60SA project, this symposium discusses achievements, issues and directions in the both fields of procurements / assembly and research planning, and proposes experiment implementation structure required. Then symposium contributes to further growth of EU / JA / Industry / academia joint project of JT-60SA, together with establishment of tokamak experiment implementation structure using ITER and JT-60SA in Japan.

<Background>

The JT-60SA project implemented by Japan and Europe is progressing on schedule towards the first plasma in Mar. 2019. By Oct., 2013, 22 Procurement Arrangements (PAs) have been launched (JA: 13PAs, EU: 9PAs) covering 86% of the total cost of the BA Satellite Tokamak Program. After careful R&D, procurements of the major components have entered their manufacturing stages. In parallel, disassembly of JT-60U was completed on time in Oct. 2012, and the JT-60SA tokamak assembly started in January 2013. Settlement of the cryostat base was completed in Mar. 2013. The JT-60SA Research Plan has been discussed widely by the Japanese and European fusion research communities, and the JT-60SA Research Plan ver. 3.0 has been completed in December 2011 with 332 co-authors (JA 145 + EU 182 + Project Team , from 38 institutes).

EFDA has documented European roadmap to the realization of fusion energy in Nov. 2012 in which JT-60SA is defined as one of the main devices supporting and implementing ITER. EFDA has also organized a research activity preparing the JT-60SA operation. In parallel, a EU / JA working group agreed the proposal of the Joint Exploitation of the JT-60SA Facility.

<Subjects for discussion and presenters >

Based on the background mentioned above, the symposium will be progressed as follows:

- 1) ' Start of Assembly of JT-60SA and the Project Schedule'
by Dr.Y. Ikeda (JAEA, Director in charge of JT-60SA procurements and assembly)
- 2) ' Progress of Procurements by EU & JA Cooperation'
by Dr. P. Barabaschi (F4E, the European Project Manager of the JT-60SA Project)
- 3) 'Research Plan and Activities'
by Dr. M. Yoshida (JAEA, the JT-60SA Research Plan Coordinator)
- 4) 'European Research Strategy for JT-60SA'
by Dr. G. Giruzzi (CEA, the EFDA representative for JT-60SA research activity)
- 5) 'Japanese Research Organization for JT-60SA and ITER '
by Prof. Y. Ueda (Osaka Univ., the Chair of the expert committee in JAEA for JT-60SA)
- 6) Discussion with audience

END