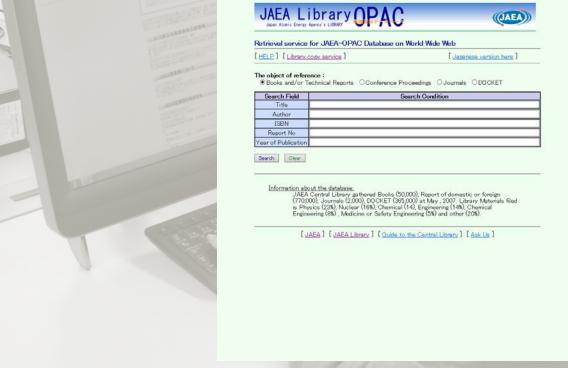


Searching for materials

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The search screen for the database of collected materials (OPAC)

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Reading room (an area for reference books and standards etc.)



Research Commons

We preserve information concerning the Fukushima Daiichi Nuclear Power Station accident

JAEA preserves information concerning the Fukushima Daiichi Nuclear Power Station accident which may otherwise go missing and be lost, and transmits it from the "Fukushima Nuclear Accident Archive".

Click here for details.

We also transmit information on the result of R&D carried out by JAEA regarding measures to address the Fukushima Daiichi Nuclear Power Station accident as well as related foreign and domestic documents from our website for the

"Reference information about the Fukushima Daiichi nuclear power station accident".





Reference information about the Fukushima Daiichi nuclear power station accident

- 1. Eukushima Nuclear Accident Archive (User's Guide) 2015/1/23 UPS
- 2. JAEA R&D results on Fukushima Daiichi nuclear power station accident UI
 - 2-1. JAEA Reports
 - 2-2 Papers
 - Leaful hibliographics related to the Futushims Dairchi nuclear power
- Reports related to the Fukushima Dailchi nuclear power station accident
- 5. References in STV/PUB/1239; Environmental consequences of the Chemobyl accident and their remediation, twenty years of experience / report of the Chemobyl Forum Expert Group "Environment"

Japan Atomic Energy Agency Intellectual Resources Management and R&D Collaboration Department infragrapper 9 lass as in

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Full texts of R&D reports etc.

A list of reference literatures (on the Chernobyl Nuclear Power Station accident

etc.)

We also possess these materials

JAEA Library holds no less than 2.5 million technical materials (nuclear energy reports) created by major foreign and domestic research organizations etc. in the form of micro materials.

Moreover, the Library actively collects materials called "gray literature" meaning hard to obtain from general bookstores, which includes documents such as materials for international conferences held both abroad and domestically.



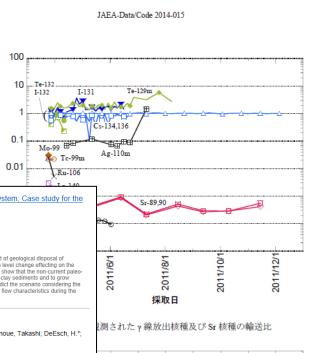
Microfiche
(Material of the US Nuclear Regulatory Commission)

We provide R&D results

JAEA Library makes efforts to disseminate information on the JAEA R&D reports and the academic papers written by JAEA staffs. Such information can be searched on the JAEA Library's web site, and the full text of the JAEA R&D reports are available in pdf format. Click here to try searching.

Additionally, we publish "JAEA R&D Review" providing the digests of our current achievements.

Results of simplified simulations on the relocation behavior of simulated molten materials



- 6 Comparative SINGAP-MAMuG test for the ITER neutral beam injector
- Taniguchi, Masaki; Kashiwagi, Mieko; Umeda, Naotaka; Dairaku, Masayuki; Watanabe, Kazuhiro; Inoue, Takashi; DeEsch, H.*;
 - JAEA-Research 2008-121, 2009/03

JAEA-Research-2008-121.pdf:5.95MB

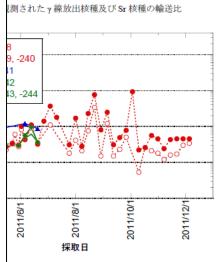
For the ITER NBI, two accelerator concepts have been proposed. One is the SINGAP (single gap single aperture) developed at CEA Cadarache and the other is the MAMuG (Multi aperture multi gap) developed at JAEA. In order to assess the performance of the SINGAP and the MAMuG concepts at the same test facility under the asme diagnostics, a collaborative test was performed between JAEA and CEA Cadarache under an ITER test agreement. For this purpose, the SINGAP accelerator was installed at the MTF of JAEA. From the viewpoint of voltage holding, maximum beam current and electron acceleration, the MAMuG showed better performance than the SINGAP, and it has been decided to choose the MAMuG as the baseline accelerator for the ITER NBI.

- 7 Behavior of secondary-particles in a MeV-class electrostatic accelerator
- Mizuno, Takatoshi; Inoue, Takashi; Taniguchi, Masaki; Kashiwagi, Mieko; Umeda, Naotaka; Tobari, Hiroyuki; Dairaku, Masayuki; Watanabe, Kazuhiro
 - JAEA-Research 2008-120, 2009/03

JAEA-Research-2008-120.pdf:5.24MB

In an accelerator for a N-NBI, there are several processes of secondary-particle production such as the collision of H $^-$ ions with H $_2$ gas, extraction of H $^+$ ions from beam plasma, and secondary-electron emission. The secondary particles cause heat load to the NBI components. It is necessary to analyze behavior of them in the accelerator. In this report, the secondary-particle behavior in MAMuG type MeV accelerator at JAEA has been analyzed by EAMCC. In the result, it is clarified that about 40% of H $^-$ ions extracted from the no source were low the stripping process in the MeV accelerator. More than 90% of the heat load to the intermediate grids was caused by collision of the electrons. A comparison of results obtained from experiments and present analyses showed different tendency in the currents flowing into the 2nd and the 3rd intermediate grids. This is supposed due to H $^+_2$ ions extracted from beam plasma as a possible cause of the difference.

- Study on perturbation scenario for potential effect of uplift, denudation, subsidence and sedimentation on a HLW disposal system
- Kawamura, Makoto; Ebashi, Takeshi; Makino, Hitoshi; Niizato, Tadafumi; Yasue, Kenichi; Oi, Takao



料に観測されたα線放出核種の輸送比



We are transmitting Japan's nuclear energy-related information to the world

JAEA Library submit input, i.e. nuclear literature published in Japan the International Nuclear Information System (INIS) Database of the International Atomic Energy Agency (IAEA), and contributes to transmitting the research results to the world. The INIS Database now stores over 3.7 millions records, and provides the information free of charge. Click here for details.



JAEA Library was founded in 1959. Though a part of the building was damaged by the Great East Japan Earthquake in 2011, it was reopened in June 2014 after repair work.

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January 2015, No. 5

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