

List of JAERI Documents (updated 10/8/07)

JAEA-Technology

- 2007-014** Operating Experiences since Rise-to-power Test in High Temperature Engineering Test reactor (HTTR)
Daisuke Tochio, Shuji Watanabe, Toshihiro Motegi, Shuichi Kawano, Yasuhiko Kameyama, Kenji Sekita, Kozo Kawasaki
Department of HTTR, Oarai Research and Development Center
March 2007
- 2007-011** Evaluating and Categorizing the Reliability of Distribution Coefficient Values in the Sorption Database
Michel Ochs, Yoshihiko Saito, Akira Kitamura, Masahiro Shibata, Hiroshi Sasamoto, Mikazu Yui
Radionuclear Migration Research Group, Geological Isolation Research and Development Directorate
March 2007
- 2007-010** Development of MOX Fuel Database
Yoshihisa Ikusawa, Takayuki Ozawa
Fuel Technology Department, Plutonium Fuel Development Center, Nuclear Fuel Cycle Engineering Laboratories, Tokai Research and Development Center
Takayuki Ozawa
March 2007
- 2007-003** Development of the Unattended Spent Fuel Flow Monitoring Safeguards System (UFFM) for the High Temperature Engineering Test Reactor (HTTR) (Joint Research)
Shigeaki Nakagawa, Masayuki Umeda, David H. Beddingfield, Howard O. Menlove, Kiyonobu Yamashita
Department of HTTR, Oarai research and Development Center
February 2007
- 2006-055** Evaluation Technology for Burnup and Generated Amount of Plutonium by Measurement of Xenon Isotopic Ratio in Dissolver Off-gas at Reprocessing Facility (Joint Research)
Masanori Okano, Takehiko Kuno, Ichiro Takahashi, Hidetomo Shirouzu, William S. Charlton, Cyndi A. Wells, Philip H. Hemberger, Keiji Yamada, Toshio Sakai
Technical Services Department, Tokai Reprocessing Technology Development Center, Nuclear Fuel Cycle Engineering Laboratories, Tokai Research and Development Center
December 2006
- 2006-051** LWR MOX Fuel Irradiation Tests – HBWR Irradiation with the Instrument Rig, IFA-514/565
Takayuki Ozawa
Fuel Technology Department, Plutonium Fuel Development Center, Nuclear Fuel Cycle Engineering Laboratories, Tokai Research and Development Center
November 2006
- 2006-047** Fabrication and Characterization of ⁶Li-enriched Li₂TiO₃ Pebbles for a High Li-Burnup Irradiation Test
Kunihiko Tsuchiya, Hiroshi Kawamura
Blanket Irradiation and Analysis Group
Fusion Research and Development Directorate
October 2006
- 2006-042** Preliminary Investigation on Welding and Cutting Methods for First Wall Support Leg in ITER Blanket Module
Kensuku MOHRI, Satoshi SUZUKI, Mikio ENOEDA, Satoshi KAKUDATE, Kiyoshi SHIBANUMA, Masato AKIBA

August 2006

- 2006-038** Design and Rescue Scenario of Common Repair Equipment for In-Vessel Components in ITER Hot Cell
Satoshi KAKUDATE, Nobukazu TAKEDA, Masataka NAKAHIRA, Kiyoshi SHIBANUMA
June 2006
- 2006-021** Design of Single-Longitudinal-mode Laser Oscillator for Edge Thomson Scattering System in ITER
Takaki HATAE, Hiroyuki KUBOMURA, Shin-ichi MATSUOKA, Yoshinori KUSAMA
June 2006
- 2006-017** Applicability Assessment of Plug Weld to ITER Vacuum Vessel by Crack Propagation Analysis
Junji OHMORI, Masataka NAKAHIRA, Nobukazu TAKADA, Kiyoshi SHIBANUMA, Hiromi SAGO, Masanori ONOZUKA
March 2006
- 2005-001** Neutron irradiation Test of Copper Alloy/Stainless Steel Joint Materials
Hirokazu Yamada, Hiroshi Kawamura
January 2006

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- 2005-061** In Japanese
- 2005-059** In Japanese
- 2005-058** In Japanese
- 2005-057** In Japanese
- 2005-055** In Japanese
- 2005-053** Numerical analysis on deflagration-to-detonation transition of a hydrogen-oxygen mixture in a smooth tube
Yoshitomo INABA, Alewxei KOTCHOURKO, Wolfgang BREITUNG
September 2005
- 2005-047** Design of Micro-Fission Chambers for ITER low power operations
Taeko Nishitani, Michinori Yamauchi, Mikio Izumi, Yoshinori Kusama.
September 2005
- 2005-036** Compatibility of reduced activation ferritic/martensitic steel specimens with liquid Na and NaK in Irradiation rig of IFMIF
Toshiaki Yutani, Hiroo Nakamura, Masayoshi Sugimoto
June 2005
- 2005-029** Remote handling design for moderator-reflector maintenance in JSNS
Makato Techigawara, Hideyuki Aizawa, Masahide Harada, Hidetaka Kinoshita, Shinichiro Meigo, Fujio Makawa, Masanori Kaminaga, Takashi Kato, Yujiro Ideka
May 2005
- 2005-017** Coarse break-up of a stream of oxide and steel melt in a water pool
Kiyofumi Moriyama, Yu Maruyama, Tsutomu Usami, Hideo Nakamura
August 2005
- 2005-015** Safety demonstration test (SR-3/S1C-3/S2C-3/SF-2) Plan using the HTTR (Contract research)

- Shigeaki Nakagawa, Nariaki Sakabara, Kuniyoshi Takamatsu, Eiji Takada, Daisuke Tochio,
Yiroyuki Ohwada
March 2005
- 2005-013** Low temperature Tritium release experiment from Lithium Titanete breeder material
Kunihiko Tsuchiya, Hiroshi Kawamura, Masaru Nakamichi, Hisashi Sagawa
March 2005
- 2004-079** Calculation of age-dependent dose conversion coefficients for radionuclides uniformly distributed
in air
Tran Van HUNG, Daiki SOTAH, Fumiaki TAKAHASHI, Shuichi TSUDA, Akira ENDO,
KimiKI saito, Yasuhiro YAMAGUCHI
February 2005
- 2004-072** Dynamic analysis of ITER Tokamak based on results of vibration test using scaled model
Nobukazu Takeda, Satoshi Kakudate, Masataka Nakahira
January 2005
- 2004-071** Research and development of remote maintenance equipment for ITER divertor mainenance
Nobukazu Takada, Satoshi Kakudate, Masataka Nakahira
February 2005
- 2004-068** Structural analysis of support structure for ITER vacuum vessel
Nobukazu TAKEDA, Junji OHMORI, Masataka NAKAHIRA
December 2004
- 2004-031** Characteristics of a low energy and high flux compact plasma source and preliminary results in
studying surface modification of Tungsten irradiated by the source
Guang-Nam Luo, Wataru Shu, Hirofumi Nakamura, Shigeru O'Hira, Takumi Hayashi, Masataka
Nishi
March 2004
- 2004-027** Analysis of the TREIGA Mark-II Benchmark IEU-COMP-THERM-003 with Monte Carlo code
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Mohammad Sayem MAHMOOD, Yasunobu NAGAYA, Takamasa MORI
March 2004
- 2004-017** Analysis of the TREIGA Mark-II Benchmark IEU-COMP-THERM-003 with Monte Carlo code
MVP
Mohammad Sayem MAHMOOD, Yasunobu NAGAYA, Takamasa MORI
March 2004
- 2004-014** Safety demonstration test (SR-2/S2C-2/SF-1) Plan using the HTTR (Contract research)
Nariaki SAKABA, Shigeaki NAKAGAWA, Kuniyoshi TAKAMATSU, Eiji TAKADA, Kenji
SAITO, Takayuki FURUSAWA, Daisuke TOCHIO, Yukio TACHIBANA, Tatsuo IYOKU
February 2004
- 2003-087** Applicability of LBB concept to Takamak-type fusion machine.
Masataka NAKAHIRA
December 2003
- 2003-084** Quantitative experiments on thermal hydraulic characteristics of an annular tubs with twisted fins
Koichiro EZATO, Masayuki DAIRAKU, Masaki TANIGUCHI, Kazuyoshi SATO, Satoshi
SUZUKI, Masato AKIBA
November 2003
- 2003-074** Safety demonostration test (S1C-2/S2C-1) Plan using the HTTR (Contract research)

Nariaki SAKABA, Shingeaki NAKAGAWA, Eiji TAKADA, Yukio TACHIBANA, Kenji SAITO, Takayuki FURUSAWA, Kuniyoshi TAKAMATSU, Daisuka TOCHIO, Tatsuo IYOKU
August 2003

- 2003-069** Effects of volume fraction and non-uniform arrangement of water moderator on reactivity
Xinrong CAO, Takenori SUZAKI, Teruhiko KUGO, Takamasa MORI
August 2003
- 2003-058** Nuclear, Thermo-Mechanical and Tritium release analysis of ITER Breeding Blanket
Yasuo KOSAKU, Toshimasa KURODA, Mikio ENOEDA, Toshihisa HATNO, Satoshi SATO, Shinichi SATOH, Toshio OSAKI, Nobuharu MIKI, Masato AKIBA
June 2003
- 2003-057** Evaluation of Neutronic Characteristics of Stavy 80-cm-diameter cylindrical core fueled with 6 percent enriched Uranyl Nitrate solution
Hiroshi Yanagisawa, Yiroki Sono
June 2003
- 2003-044** Accelerator technical design report for high-intensity proton accelerator facility project, J-Parc (KEK Report 2002-13)
March 2003
- 2003-037** ROSA-V Large scale test facility (LSTF) system description for the third and fourth simulated fuel assemblies
March 2003
- 2003-021** Extended calculations of OECD/NEA Phase II-C burnup credit criticality benchmark problem for PWR spent fuel transport cask by using MCNP-4B2 code and JENDL-3.2 library
Takeshi Kuroishi, Anh Tuan Hoang, Yasushi Nomura, Hiroshi Okuno
March 2003
- 2003-005** IFMIF-KEP International fusion materials irradiation facility key element technology phase report
March 2003
- 2002-098** Japanese contribution to the design of primary module of shielding blanket in ITER-FEAT
Toshimasa KURODA, Toshihisa HATANNO, Nobuharu MIKI, Seiji HIROKI, Mikio ENOEDA, Junji OHMORI, Shinichi SATO, Masato AKIBA
February 2003
- 2002-083** Study for reducing radioactive solid waste at ITER decommissioning period
Shinichi SATO, Masanori ARAKI, Junji OHMORI, Isamu OHNO, Satoshi SATO, Michinori YAMAUHI, Takeo Nishitani
November 2002
- 2002-080** Nb₃Al Insert experiment log book – 3rd experiment of CS model coil
Makoto SUGIMOTO, Norikiyo KOIZUMI, Takaaki ISONO, Kunihiro MATSUI, Yoshihiko NUNOYA, Fumiaki TSUTSUMI, Masayuki OSHIKIRI, Hiroshi WAKABAYASHI, Kiyoshi OKUNO, Hiroshi TSUJI
October 2002
- 2002-078** Fabrication of the full scale separable first wall of ITER shielding blanket
Yasuo KOSAKU, Toshimasa KURODA, Toshihisa HATANNO, Mikio ENOEDA, Nobuharu MIKI, Masato AKIBA
October 2002

- 2002-075** Development of HIP Technique for bonding of CuCrZr with Stainless Steel and Beryllium for application to the ITER first wall
Toshihisa HATANO, Mikio ENOEDA, Toshimasa KURODA, Masato AKIBA
October 2002
- 2002-063** Fabrication of prototype mockups of ITER shielding blanket with separable first wall
Yasuo KOSAKU, Toshimasa KURODA, Mikio ENOEDA, Toshihisa HATANO, Satoshi SATO, Masato AKIBA
July 2002
- 2002-056** Pumping Characteristics of roots blower pumps for light element gases
Seji HIROKI, Tetsuya ABE, Sadamitsu TANZAWA, Jun-ichi NAKAMURA, Tetsuro OHBAYASHI
July 2002
- 2002-053** Alternatives of ITER vacuum vessel support system
Junji OHMORI, Kazunori KITAMURA, Masanori ARAKI, Isamu OHNO, Teruako SHOJI
July 2002
- 2002-049** Comparison of HTGR fuel design, manufacture and quality control methods between Japan and China
Xiomng FU, Masashi TAKAHASHI, Shouhei UETA, Mazuhiro SAWA
May 2002
- 2002-046** Thermal cycle test of elemental mockups of ITER breeding blanket
Yoshihiko YANAGI, Yasuo KOSAKU, Toshihisa HATANO, Toshimasa KURODA, Mikio ENOEDA, Masato AKIBA
May 2002
- 2002-039** VXIbus-based signal generator for resonant power supply system of the 3 GeV RCS
Fengqing ZHANG, Yasuhiro WATANABE, Shoichiro KOSEKI, Norio TANI, Roshikazu ADACHI, Hirohiko SOMEYA
March 2002
- 2002-033** Design of neutron monitor using flowing water activation for ITER
Takeo NISHITANI, Katsuyuki EBISAWA, Christ WALKER, Satoshi KASAI
March 2002
- 2002-022** IFMIF International Fusion materials irradiation facility Key Element TechnologyPhase, Interim Report
IFMIF International Team
March 2002
- 2001-027** A design study of hydrogen isotope separation system for ITER-FEAT
Yasunori IWAI, Toshihiko YAMANISHI, Masataka NISHI
March 2001
- 2001-022** Development of the Centrifugal Pellet Injector for JT-6OU
Kaname KIZU, Hajime HIRATSUKA, Hisashi ICHIGE, Takaaki IWAHASHI, Tadayuki SASAJIMA, Kei MASAKI, Noboru SASAKI, Masao HONDA, Naoyuki MIYA, Nobuyuki HOSOGANE
March 2001
- 2001-011** Depressurization analyses of PWR station blackout with MELCOR 1.8.4
Anhar R. ANTARIKSAWAN, Akihide HIDAKA, Kiyofumi MORIYAMA, Kazuichiro HASHIMOTO
March 2001
- 2000-071** Technical Development on Burn-up Credit for Spent LWR Fuels

(Eds.) Yoshinori NAKAHARA, Kenya SUYAMA, Takenori SUZAKI
September 2000 (partly in Japanese)

- 2000-042** Development of ITER shielding blanket prototype mockup by HIP bonding
Satoshi Sato, Kazuyuki Furuya, Toshihisa Hatano, Toshimasa Kuroda, Mikio Enoeda, Hideyuki Takatsu, Yoshihiro Ohara
July 2000
- 2000-014** IFMIF International Fusion Materials Irradiation Facility - Conceptual Design Activity - Reduced Cost Report - A Supplement to the CDA by the IFMIF team
Fusion Neutronics Laboratory
February 2000
- 2000-006** Assessment of buckling for vacuum vessel and back plate of RC-ITER (IAM-V2)
Junji OHMORI, Masanori ARAKI
February 2000
- 2000-001** Solution exploration of Plasma initiation and current ramp-up scenario in A-SSTR
A.R. POLEVOI, S. NISHIO, K. USHIGUSA
January 2000
- 99-069** Crystal Growth of $\text{Li}^{10}\text{B}_3\text{O}_5$
Akira Sugiyama, Hugh G. Gallagher, Thomas P.J. Han
September 1999
- 99-003** High gamma-rays irradiation tests of critical components for ITER (International Thermonuclear Experimental Reactor) in-vessel remote handling system
Kenjiro OBARA, Satoshi KAKUDATE, Kiyoshi OKA, Hiroshi TAGUCHI, Akira ITO, Koichi KOIZUMI, Kiyoshi SHIBANUMA, Toshiaki YAGI, Yosuke MORITA, Takao KANAZAWA, Eisuke TADA
February 1999
- 98-060** Analysis of the HTTR's benchmark problems and comparison between the HTTR and the FSJ code systems
Nozomu RUJIMOTO, Ursula OHLIG, Hans BROCKMANN, Kiyonobu YAMASHITA
January 1999
- 98-059** Preliminary Thermo-mechanical analysis of ITER breeding blanket
Shigeto KIKUCHI, Toshimasa KURODA, Mikio ENOEDA
January 1999
- 98-058** Fabrication and testing of small scale mock-ups of ITER shielding blanket
Toshihisa HATANO, Satoshi SATO, Satoshi SUZUKI, Kenji YOKOYAMA, Kazuyuki FURUYA, Toshimasa KURODA, Mikio ENOEDA, Hideyuki TAKATSU, Yoshihiro OHARA
December 1998
- 98-055** Design & Analysis of ITER shield blanket
Junji OHMORI, Toshihisa HATANO, Kouichiro EZATO, Shigemitsu HARA, Hidenori MIURA, Toshimasa KURODA, Kazuyuki FURUYA, Satoshi SATO, Mikio ENOEDA, Hideyuki TAKATSU, Yoshiyuki OHARA
December 1998
- 99-048** Development of pipe welding, cutting & inspection tools for the ITER blanket
Kiyoshi OKA, Akira ITO, Kou TAGUCHI, Yuji TAKIGUCHI, Hiroyuki TAKAHASHI, Eisuke TADA
July 1999
- 99-044** A Study of density, porosity and grain size of unirradiated rox fuels and simulated rox fuels

Kazuaki YANAGISAWA, Toshihiko OHMICHU, Noriko SHIRASU, Toshiuki YAMASHITA,
Yasuhiko KIMURA, Atsushi ONOZAWA, Hisao NAGASHIMA, Hiroyuki KANAZAWA,
Fumio KANAIZUKA, Hidetoshi AMANO
May 1999

- 99-036** Research program (VEGA) on the fission product release from irradiated fuel
Takehiko NAKAMURA, Akihide HIDAHA, Kazuichiro HASHIMOTO, Yuhei HARADA,
Yasuharu NISHINO, Hiroyuki KANAZAWA, Hiroshi UETSUKA, Jun SUGIMOTO
March 1999
- 99-036** Development of compact surveillance and monitoring system "Cosmos"
Hironobu OGAWA, Takehiko MUKAIYAMA
March 1999
- 99-041** Development of authentication system for the fast critical assembly (FCA) portal monitor (P/M)
and penetration monitor (PN/M) systems of JAERI
Hironobu OGAWA, Takehiko MUKAIYAMA
May 1999
- 99-032** A study on density, melting point, thermal expansion, creep, thermal diffusivity and thermal
conductivity of the simulated rock-like Oxide (rox) fuels
Mazuaki YANAGISAWA, Toshihiko IHMICHU, Noriko SHIRASU, Tadasumi MUROMURA,
Tetsushi MATSUDA
March 1999
- 99-027** ITER cryostat thermal shield detailed design
Akira ITO, Masataka NAKAHIRA, Kazuya HAMADA, Hiroyuki TAKAHASHI, Eisuke TADA,
Takashi KATO, Akira NISHIKAWA
March 1999
- 99-026** ITER cryostat main chamber and vacuum vessel pressure suppression system design
Akira ITO, Masataka NAKAHIRA, Hiroyuki TAKAHASHI, Eisuke TADA, Yoshitane
NAKASHIMA, Osamu UENO
March 1999
- 99-013** Analysis of steam generator tube rupture as a severe accident using Melcor 1.8.4
Hongrun YANG, Akihide HIDAHA, Jun SUGIMOTO
March 1999
- 98-051** ITER breeding blanket module - design & analysis
Toshimasa KURODA, Mikio ENOEDA, Shigeto KIKUCHI, Junji OHMORI, Shinichi SATO,
Toshio OSAKI, Kazuyuki FURUYA, Toshihisa HATANNO, Satoshi SATO, Hideyuki TAKATSU
November 1998
- 98-036** Development of multi-channel optical-fiber feed through for ITER
Tatsuo SUGIE, Tomoaki TORIYA, Satoshi KASAI
August 1998
- 98-035** Auto-identification fiber-optical seal verifier
Yoichi YAMAMOTO, Takehiro MUKAIYAMA
August 1998
- 97-019** Options for a next generation neutron source for neutron scattering based on the projected LINAC
facility at JAERI
Ferenc MEZEI, Noboru WATANABE, Nobuo NIIMURA, Yukio MORII, Kazuya AIZAWA,
Jun-ichi SUZUKI
March 1997
- 97-008** Heat transfer augmentation for high heat flux removal in rib-roughened narrow channels

Md. Shafiqul ISLAM, Ryutaro HINO, Katsuhiro HAGA, Masanori MONDE, Yukio SUDO
March 1997

- 96-055** Design of divertor impurity monitoring system for ITER
Tatsuo SUGIE, Hiroaki OGAWA, Jan KATSUNUMA, Mitsumasa MARUO, Toshiro ANDO,
Saytoshi KASAI
December 1996
- 96-049** Structural analysis of vacuum vessel and blanket support system for International Thermonuclear
Experimental Reactor (ITER)
Kazunori KITAMURA, Kouichi KOIZUMI, Hideo SHIMANE, Hideyuki TAKATSU, Eisuke
TADA
November 1996
- 96-048** Conceptual design of separated first wall and testing of small size mock-ups
Koichi MOIZU I, Masataka NAKAHIRA, Masanao SHIBUI, Hideyuki TAKATSU, Eisuke
TADA
November 1996
- 96-042** Design of intermediate heat exchanger for the HTGR-closed cycle gas turbine power generation
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Yasushi MUTO, Kazuhiko HADA, Hajime KOIKEGAMI, Hiroyuki KISAMORI
October 1996
- 96-041** Development of radiation-hard ultrasonic inspection probes for ITER vacuum vessel
Koichi KOISUMI, Masataka NAKAHIRA, Kiyoshi OKA
- 96-040** Irradiation tests on diagnostics components for ITER in 1995
Takeo NISHITANI, Toshiyuki IIDA, Yujiro IKEDA, Etsuo ISHITSUKA, Tsunemi KAKUTA,
Satoshi KASAI, Hiroshi KAWAMURA, Fujio MAEKAWA, Yosuke MORITA, Akira
NAGASHIMA, Tetsuya NAKAZAWA, Kenji NODA, Yukio OYAMA, Hisashi SAGAWA,
Fuminobu SATO, Tatsuo SUGIE, Daiki YAMAKI
October 1996
- 96-038** Design of radial neutron spectrometer for ITER
Takeo NISHITANI, Tetsuo IGUSHI, Katsuyuki EBISAWA, Yoshio KITA, Satoshi KASAI
September 1996
- 96-036** Addendum to IFMIR-CDA interim report
IFMIF-CDA Team
August 1996
- 96-035** Development of remote bore tools for pipe welding/cutting by YAG laser
Kiyoshi OKA, Masataka NAKAHIRA, Satoshi KAKUDATE, Eisuke TADA, Kenjiro OBARA,
Kou TAGUCHI, Naokazu KANAMORI
July 1996
- 96-031** Assessment of F/W electrical cutting for reduction of electromagnetic force on the Blanket
module
Kazunori KITAMURA, Manabu KOMATSUZAKI, Satoshi NISHIO, Kouichi KOIZUMI,
Hideyuki TAKATSU
July 1996

- 96-024** Japan-Australia co-operative program on research and development of technology for the management of high level radioactive wastes: Phase II (1990-1995)
(Eds.) Tsunetaka BANBA, Kaye P. hart
May 1996
- 96-023** Assembly tool design
Naokazu KANAKORI, Masataka NAKAHIRA, Yoshinao OHKAWA, Eisuke TADA, Masahiro SEKI
June 1996
- 96-016** Optimizing voltage wave forms of poloidal field coils at the plasma breakdown
Ikuo SENDA, Terauki SHOJI, Toru Nishino, Hirobumi FUJIEDA, Toshihide TSUNEMATSU
March 1996
- 96-011** Irradiation tests of critical components for remote handling system in Gamma radiation environment
Kenjiro OBARA, Satoshi KAKUDATE, Kiyoshi OKA, Kazuyuki FURUYA, Hiroshi TAGUCHI, Eisuke TADA, Hiyoshi SHIBANUMA, Kouichi OIZUMI, Yoshinao OHKAWA, Youske MORITA, Toshiaki YAGI, Noriko YOKOO, Takao KANAZAWA, Noriyuki HANEDA, Hirohisa KANEKO
March 1996
- 96-010** Conceptual design studies of in-vessel viewing equipment for ITER
Kenjiro OBARA, Kiyoshi OKA, Hiroshi TAGUCHI, Akira ITOH, Eisuke TADA, Kiyoshi SHIBANUMA
March 1996
- 96-056** Pre-irradiation characterization of HTGR fuel for HRB-22 capsule irradiation test (JAERI/US DoE collaborative irradiation test for HTGR fuel)
Kazuo MINATO, Hironobu, KIKUCHI, Kazuhiro SAWA, Tsutomu TOBITA, Kousaku FUKUDA
January 1996
- 95-052** Corcon-Mod3 analysis of SURC experiments on molten core concrete interaction
Jinquan YAN, Yu MARUYAMA, Jun SUGIMOTO
December 1995
- 95-050** Accident identification in Tritium processing system of international thermonuclear experimental reactor in engineering design activity
Mikio ENOEDA, Doug F. HOLLAND, Yuji MATSUDA, Shigeru O'HIRA, Kenji OKUNO, Taisei NAITOH, Shingo HIRATA
November 1995
- 95-033** Fabrication and high heat flux test of divertor cooling elements
Satoshi SUZUKI, Masanori ARAKI, Kazuyuki NAKAMURA, Kazuyoshi SATOH, Kenji YOKOYAMA, Masayuki DAIRAKU, Masato AKIBA
June 1995
- 95-032** Feasibility study of first wall electrical connector
Kazunori KITAMURA, Hideyuki TAKATSU, Kouichi KOIZUMI, Toshihide TSUNEMATSU
May 1995
- 95-022** Heat transfer experiments on the cooling tubes for divertor plates under one-sided heating conditions
Masanori ARAKI, Masuro OGAWA, Tomoaki KUNUGI, Shuichi IKEDA, Kazuyoshi SATOH, Satoshi SUZUKI, Yoshihiko NISHINO, Masayuki DAIRAKU, Kazuyuki NAKAMURA, Kenji YOKOYAMA, Masato AKIBA
March 1995

- 95-021** Test program development for ITER blanket design
Toshimasa KURASAWA, Satoshi SATO, Mazuyuki FURUYA, Masataka NAKAHIRA, Ikuhide TOGAMI, Toshiyuki HASHIMOTO, Toshimasa KURODA, Hideyuki TAKATSU
March 1995
- 95-019** Conceptual design of ITER shielding blanket
Satoshi SATO, Hideyuki TAKATSU, Toshimasa Kurasawa, Toshiyuki HASHIMOTO, Kouichi KOIZUMI, Kazunori KITAMURA, Yutaka ITOU, Yoshihiro OZAWA, Eisuke TADA, Masataka NAKAHIRA, Shin MURAKAMI, Kazuyuki FURUYA, Ikuhide TOGAMI, Toshihide TSUNEMATSU, Masahiro SEKI
March 1995
- 95-018** Design study on a 1 MeV, 12.5 MN neutral beam injector module for ITER
Yoshihazu OKUMURA, Masaya HANADA, Takashi INOUE, Koichi MAKI, Shuichi MAENO, Kenji MIYAMOTO, Yoshihiro OHARA, Kazuhiro WATANABE, Sergei ZIMIN
March 1995
- 95-017** Joining technology development of advanced materials SS304 by friction welding
Kunihiko TSUCHIYA, Hiroshi KAWAMURA, Rokuro OYAMADA
March 1995
- 95-016** Study on the photo acoustic spectroscopy capabilities with remote detection for monitoring of actinide species in nuclear fuel reprocessing solutions
Sergey I. SINKOV, Takehiro KIHARA, Sachio FUJINE, Mitsura MAEDA
March 1995
- 95-010** Characteristics of prepared gamma-ray calibration sources for radioactivity measurement of environmental and radiation control samples
Supian Bin SAMAT, Yoshihiro OI, Mitsumasa TAKI, Iwao MANABE, Makoto YOSHIDA, Kentaro MINAMI
March 1995
- 95-009** Trial fabrication and preliminary characterization of electrical insulator for liquid metal system
Masaru NAKAMICHI, Hiroshi KAWAURA, Rokuro OYAMADA
March 1995
- 95-008** Tokamak Assembly and Tooling
Masataka NAKAHIRA, Eisuke TADA, Naokazu KANAMORI, Satoshi KAKUDATE, Kiyoshi OKA
February 1995
- 95-004** Calculation of air activation in an electron LINAC facility using the EGS4 code system
Akira ENDO
February 1995
- 95-001** Water chemistry management in cooling system of research reactor in JAERI
Nitaya SUPARIT, Tetsuo YOSHIJIMA, Sumitoshi TANAKA
February 1995
- 94-033** Critical element development of standard components for pipe welding/cutting by CO₂ laser
Kiyoshi OKA, Satoshi KAKUDATE, Masataka NAKAHIRA, Eisuke TADA, Kenjiro OBARA, Naokazu KANAMORI, Kou TAGUCHI, Mitsunori KONDOH, Kiyoshi SHIBANUMA, Masahiro SEKI
November 1994

- 94-026** Peaking factors of nuclear heating due to void ducts in the 80% SS-20% H₂O shielding blanket of fusion experimental reactors
Sergei ZIMIN, Satoshi SATO, Toshiyuki HASHIMOTO, Hideyuki TAKATSU
November 1994
- 94-022** Critical element study on autonomous position control of articulated-arm type manipulator
Kiyoshi OKA, Satoshi KAKUDATE, Masataka NAKAHIRA, Eisuke TADA, Kenjiro OBARA, Kou TAGUCHI, Naokazu KANAMORI, Mitsunori KONDOH, Kiyoshi SHIBANUMA, Masahiro SEKI
October 1994
- 94-015** Shielding Analysis of the ITER/EDA NBI duct
Sergei ZIMIN, Koichi MAKI, Hideyuki TAKETSU, Satoshi SATO, Toshihide TSUNEMASU, Takashi INOUE, Yoshihiro OHARA
August 1994
- 94-013** Hydrogen formation in metals and alloys during fusion reactor operation
Sergei Zimin, Hideyuki TAKATSU, Seiji MORI
August 1994
- 94-012** Critical element development of double seal door for Tritium containment
Naokazu KANAKORI, Satoshi KAKUDATE, Kiyoshi OKA, Masataka NAKAHIRA, Kou TAGUCHI, Kenjiro OBARA, Eisuke TADA, Kiyoshi SHIBANUMA, Masahiro SEKI
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