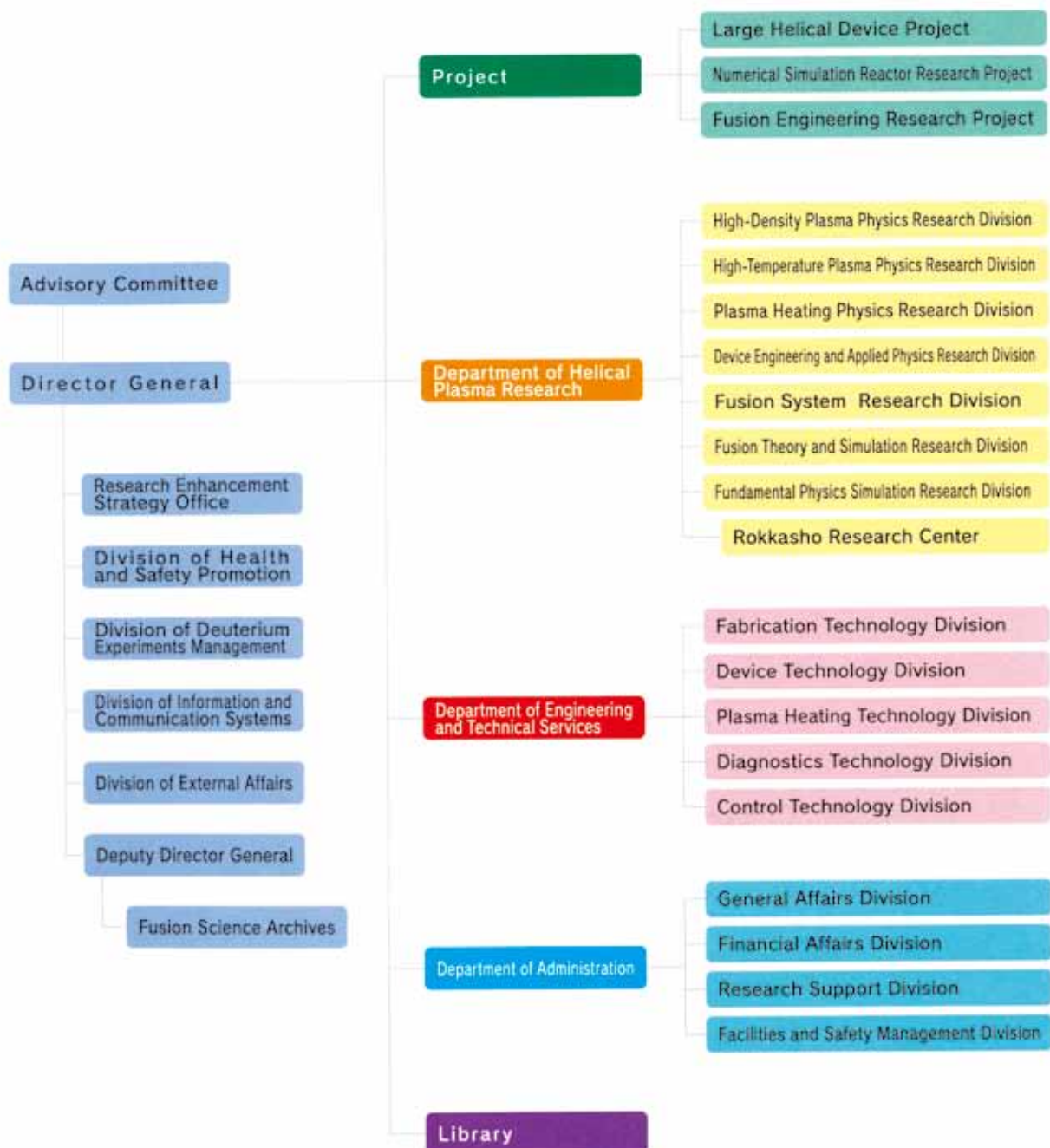


APPENDIX

APPENDIX 1. Organization of the Institute

NATIONAL INSTITUTE for FUSION SCIENCE

Organization



APPENDIX 2. Members of Committees

Advisory Committee

KODAMA, Ryousuke	Director, Institute of Laser Engineering, Osaka University
ANDO, Akira	Professor, Graduate School of Engineering, Tohoku University
OHNO, Noriyasu	Professor, Graduate School of Engineering, Nagoya University
OGAWA, Yuichi	Professor, Graduate School of Frontier Science, The University of Tokyo
NAKASHIMA, Yousuke	Director, Plasma Research Center University of Tsukuba
HANADA, Kazuaki	Professor, Research Institute for Applied Mechanics, Kyushu University
MIZUUCHI, Tohru	Director, Institute of Advanced Energy, Kyoto University
MORI, Masahiro	Managing Director, Fusion Energy Research and Development Directorate, National Institutes for Quantum and Radiological Science and Technology
WADA, Motoi	Professor, Faculty of Science and Engineering, Doshisha University
WATANABE, Tomohiko	Professor, Department of Physics, Nagoya University
MUROGA, Takeo	Deputy Director General, NIFS and Executive Director of Fusion Engineering Research Project, NIFS
MORISAKI, Tomohiro	Executive Director of Large Helical Device Project (on Science), NIFS
OSAKABE, Masaki	Executive Director of Large Helical Device Project (on Device), NIFS
SUGAMA, Hideo	Executive Director of Numerical Simulation Research Project, NIFS
YANAGI, Nagato	Executive Director of Fusion Engineering Research Project, NIFS
KUBO, Shin	Director of Plasma Heating Research Division, NIFS
MITO, Toshiyuki	Director of Device Engineering and Applied Physics Research Division, NIFS
IZUMI, Murakami	Director of Fusion Systems Research Division, NIFS
TODO, Yasushi	Director of Fusion Theory and Simulation Research Division, NIFS
ISHIGURO, Seiji	Director of Fundamental Physics Simulation Research Division, NIFS
NISHIMURA, Kiyohiko	Division Director for Health and Safety Promotion, NIFS

※ This list was compiled as of March 31, 2018

APPENDIX 3. Advisors, Fellows, and Professors Emeritus

Advisors

Michael Tendler Professor
Royal Institute of Technology
Alfvén Laboratory

Fellows

YAMADA, Hiroshi

Professors Emeritus

ICHIKAWA, Yoshihiko (1993)	SATOH, Kohnosuke (2010)
MIZUNO, Yukio (1994)	OHYABU, Nobuyoshi (2010)
OBAYASHI, Haruo (1995)	MATSUOKA, Keisuke (2010)
FUJITA, Junji (1996)	TOI, Kazuo (2012)
KURODA, Tsutomu (1997)	NARIHARA, Kazumichi (2012)
AMANO, Tsuneo (1998)	KUMAZAWA, Ryuhei (2012)
MOMOTA, Hiromu (1998)	UDA, Tatsuhiko (2012)
IYOSHI, Atsuo (1999)	SATO, Motoyasu (2012)
HATORI, Tadatsugu (1999)	YAMAZAKI, Kozo (2013)
TANAHASHI, Shugo (2000)	KAWAHATA, Kazuo (2013)
KAWAMURA, Takaichi (2000)	OKAMURA Shoichi (2014)
SATO, Tetsuya (2001)	KOMORI, Akio (2015)
FUJIWARA, Masami (2002)	SUDO, Shigeru (2015)
TODOROKI, Jiro (2003)	SKORIC, Milos (2015)
KAMIMURA, Tetsuo (2003)	MUTO, Takashi (2016)
OHKUBO, Kunizo (2005)	NAGAYAMA, Yoshio (2017)
HAMADA, Yasuji (2007)	NAKAMURA, Yukio (2017)
KATO, Takako (2007)	SAGARA, Akio (2017)
NODA, Nobuaki (2008)	ITOH, Kimitaka (2017)
WATARI, Tetsuo (2008)	HORIUCHI, Ritoku(2017)
MOTOJIMA, Osamu (2009)	Hirooka, Yoshihiko (2018)

※ This list was compiled as of March 31, 2018

APPENDIX 4. List of Staff

Director General

TAKEIRI, Yasuhiko

Deputy Director General

MUROGA, Takeo

Department of Helical Plasma Research

Prof. MUROGA, Takeo (Director)

High-Density Plasma Physics Research Division

Prof. MORISAKI, Tomohiro (Director)
Prof. YAMADA, Hiroshi
Prof. WATANABE, Kiyomasa
Prof. MORITA, Shigeru
Prof. SAKAMOTO, Ryuichi
Assoc. Prof. YOHIMURA, Shinji
Assoc. Prof. OHDACHI, Satoshi
Assoc. Prof. SHOJI, Mamoru

Assoc. Prof. TOKUZAWA, Tokihiko
Assoc. Prof. KOBAYASHI, Masahiro
Assoc. Prof. MOTOJIMA, Gen
Asst. Prof. NARUSHIMA, Yoshiro
Asst. Prof. TAKEMURA, Yuki
Asst. Prof. TSUCHIYA, Hayato
Asst. Prof. OHISHI, Tetsutaro
Asst. Prof. NISHIMURA, Shin

High-Temperature Plasma Physics Research Division

Prof. SAKAKIBARA, Satoru (Director)
Prof. TANAKA, Kenji
Prof. ISOBE, Mitsutaka
Prof. IDA, Katsumi
Prof. PETERSON, Byron Jay
Assoc. Prof. GOTO, Motoshi
Assoc. Prof. AKIYAMA, Tsuyoshi
Assoc. Prof. YAMADA, Ichihiko
Assoc. Prof. OZAKI, Tetsuo
Assoc. Prof. IDO, Takeshi
Assoc. Prof. NAKANISHI, Hideya
Asst. Prof. OGAWA, Kunihiro

Asst. Prof. KOBAYASHI, Tatsuya
Asst. Prof. MUTO, Sadatsugu
Asst. Prof. TAMURA, Naoki
Asst. Prof. FUNABA, Hisamichi
Asst. Prof. YASUHARA, Ryo
Asst. Prof. YOSHINUMA, Mikirou
Asst. Prof. SUZUKI, Chihiko
Asst. Prof. SHIMIZU, Akihiko
Asst. Prof. EMOTO, Masahiko
Asst. Prof. MUKAI, Kiyofumi
Specially Appointed Prof. NISHITANI, Takeo

Plasma Heating Physics Research Division

Prof. KUBO, Shin (Director)
Prof. SIMOZUMA, Takashi
Prof. OSAKABE, Masaki
Prof. TSUMORI, Katsuyoshi
Assoc. Prof. YOSHIMURA, Yasuo
Assoc. Prof. IGAMI, Hiroe
Assoc. Prof. SAITO, Kenji
Assoc. Prof. SEKI, Tetsuo
Assoc. Prof. NAGAOKA, Ken-ichi
Asst. Prof. TSUJIMURA, Toru

Asst. Prof. NAKANO, Haruhisa
Asst. Prof. MAKINO, Ryohhei
Asst. Prof. KAMIO, Shuji
Asst. Prof. IKEDA, Katsunori
Asst. Prof. KISAKI, Masashi
Asst. Prof. TAKAHASHI, Hiromi
Asst. Prof. SEKI, Ryosuke
Asst. Prof. FUJIWARA, Yutaka
Asst. Prof. NUGA, Hideo

Device Engineering and Applied Physics Research Division

Prof. MITO, Toshiyuki (Director)
Prof. TAKAHATA, Kazuya
Prof. IMAGAWA, Shinsaku
Prof. YANAGI, Nagato
Prof. NISHIMURA, Kiyohiko
Assoc. Prof. IWAMOTO, Akifumi
Assoc. Prof. HAMAGUCHI, Shinji
Assoc. Prof. CHIKARAISHI, Hirotaka

Assoc. Prof. TAKAYAMA, Sadatsugu
Assoc. Prof. TANAKA, Masahiro
Assoc. Prof. AKATA, Naofumi
Assoc. Prof. SAZE, Takuya
Asst. Prof. TAKADA, Suguru
Asst. Prof. OBANA, Tetsuhiro
Asst. Prof. KOBAYASHI, Makoto

Fusion Systems Research Division

Prof. MURAKAMI, Izumi (Director)
Prof. MUROGA, Takeo
Prof. MIYAZAWA, Jun-ichi
Prof. HIROOKA, Yoshihiko
Prof. NISHIMURA, Arata
Prof. MASUZAKI, Suguru
Assoc. Prof. TANAKA, Teruya
Assoc. Prof. NAGASAKA, Takuya
Assoc. Prof. TAMURA, Hitoshi
Assoc. Prof. HISHINUMA, Yoshimitsu

Assoc. Prof. KATO, Daiji
Asst. Prof. GOTO, Takuya
Asst. Prof. YAGI, Juro
Asst. Prof. ASHIKAWA, Naoko
Asst. Prof. NOTO, Hiroyuki
Asst. Prof. SAKAUE, Hiroyuki
Asst. Prof. TOKITANI, Masayuki
Asst. Prof. HAMAJI, Yukinori
Specially Asst. Prof. YAJIMA, Miyuki

Fusion Theory and Simulation Research Division

Prof. TODO, Yasushi (Director)
Prof. SUGAMA, Hideo
Prof. NAKAJIMA, Noriyoshi
Prof. ICHIGUCHI, Katsuji
Prof. ITOH, Kimitaka
Prof. YOKOYAMA, Masayuki
Assoc. Prof. MIZUGUCHI, Naoki
Assoc. Prof. TODA, Shin-ichiro
Assoc. Prof. SATAKE, Shinsuke

Assoc. Prof. KANNO, Ryutaro
Assoc. Prof. SUZUKI, Yasuhiro
Assoc. Prof. NUNAMI, Masanori
Asst. Prof. YAMAGISHI, Osamu
Asst. Prof. NAKATA, Motoki
Asst. Prof. WANG, Hao
Asst. Prof. KAWAMURA, Gakushi
Asst. Prof. SATO, Masahiko
Asst. Prof. YAMAGUCHI, Hiroyuki

Fundamental Physics Simulation Research Division

Prof. ISHIGURO, Seiji (Director)
Prof. HORIUCHI, Ritoku
Prof. MIURA, Hideaki
Prof. NAKAMURA, Hiroaki
Prof. SAKAGAMI, Hitoshi
Assoc. Prof. OHTANI, Hiroaki
Assoc. Prof. ITO, Atsushi M.

Assoc. Prof. TOIDA, Mieko
Assoc. Prof. USAMI, Shunsuke
Asst. Prof. HASEGAWA, Hiroki
Asst. Prof. ITO, Atsushi
Asst. Prof. TAKAYAMA, Arimichi
Asst. Prof. YAMAMOTO, Takashi
Asst. Prof. MORITAKA, Toseo

Rokkasho Research Center

Prof. NAKAJIMA, Noriyoshi (Director, Additional Post)
Prof. NISHIMURA, Arata (Additional Post)
Asst. Prof. SATO, Masahiko (Additional Post)

Project

Large Helical Device Project

Prof. MORISAKI, Tomohiro (Executive Director (on Science))
Prof. OSAKABE, Masaki (Executive Director (on Device))

Numerical Simulation Reactor Research Project

Prof. SUGAMA, Hideo (Executive Director)

Fusion Engineering Research Project

Prof. MUROGA, Takeo (Executive Director)
Prof. YANAGI, Nagato (Executive Director)

Research Enhancement Strategy Office

Prof. MUROGA, Takeo (Director)
Specially Appointed Prof. MATSUOKA, Keisuke
Specially Appointed Prof. OKAMURA, Shoichi
Assoc. Prof. KASAHARA, Hiroshi

Division of Health and Safety Promotion

Prof. NISHIMURA, Kiyohiko (Division Director)

Division for Deuterium Experiments Management

Prof. OSAKABE, Masaki (Division Director)

Division of Information and Communication Systems

Prof. ISHIGURO, Seiji (Division Director)

Division of External Affairs

Prof. TAKAHATA, Kazuya (Division Director)

Fusion Science Archives

Prof. KUBO, Shin (Director)

Library

Prof. MURAKAMI, Izumi (Director)

※ This list was compiled as of March 31, 2018

Guest Professor

Prof. ONO, Yasushi	Tokyo University	Apr. 1, 2017-Mar. 31, 2018
Prof. MORIYAMA, Shinichi	Japan Atomic Energy Agency (JAEA)	Apr. 1, 2017-Mar. 31, 2018
Prof. TOKITA, Keiichiro	Nagoya University	Apr. 1, 2017-Mar. 31, 2018
Prof. HOUCHIN, Teruhisa	Nagoya University	Apr. 1, 2017-Mar. 31, 2018
Prof. FUCHINO, Shuichiro	National Institutes for Quantum and Radiological Science and Technology	Apr. 1, 2017-Mar. 31, 2018
Prof. NAGATA, Masayoshi	University of Hyogo	Apr. 1, 2017-Mar. 31, 2018
Prof. MURATA, Isao	Osaka University	Apr. 1, 2017-Mar. 31, 2018
Prof. SENTOKU, Yasuhiko	Osaka University	Apr. 1, 2017-Mar. 31, 2018
Assoc. Prof. YAMAGUCHI, Soichiro	Kansai University	Apr. 1, 2017-Mar. 31, 2018
Assoc. Prof. EJIRI, Akira	Tokyo University	Apr. 1, 2017-Mar. 31, 2018
Assoc. Prof. WATANABE, Takashi	Thorium Tech Solution Inc.	Apr. 1, 2017-Mar. 31, 2018
Assoc. Prof. YUSA, Noritaka	Tohoku University	Apr. 1, 2017-Mar. 31, 2018
Assoc. Prof. ISHIZAWA, Akihiro	Kyoto University	Apr. 1, 2017-Mar. 31, 2018
Assoc. Prof. YONEMURA, Shigeru	Tohoku University	Apr. 1, 2017-Mar. 31, 2018
Assoc. KOSUGA, Yusuke	Kyushu University	Apr. 1, 2017-Mar. 31, 2018
Assoc. AKIYAMA, Youko	Osaka University	Apr. 1, 2017-Mar. 31, 2018
Assoc. YOGO, Akifumi	Osaka University	Apr. 1, 2017-Mar. 31, 2018
Assoc. OTSUKA, Teppei	KINDAI University	Apr. 1, 2017-Mar. 31, 2018
Assoc. HONDA, Mitsuru	National Institutes for Quantum and Radiological Science and Technology	Apr. 1, 2017-Mar. 31, 2018
Prof. Lucianetti, Antonio	HiLASE Centrum	Jul. 1, 2017-Aug. 31, 2017
Assoc. Prof. Dodin, Ilya	Princeton Plasma Physics Laboratory	Apr. 1, 2017-May 1, 2017
Assoc. Prof. McCollam, Kardten	University of Wisconsin-Madison	Sep. 3, 2017-Oct. 14, 2017
Assoc. Prof. Velasco, Jose Luis	CIEMAT	Jan. 15, 2018-Feb. 15, 2018

COE Research Fellows

HUANG, Xianli	Apr. 1, 2017-Sep. 30, 2017
Nuga, Hideo	Apr. 1, 2017-Dec. 28, 2017
BO, Huang	Apr. 1, 2017-Sep. 30, 2018
KUZMIN, Arseniy	Apr. 1, 2017-Mar. 31, 2018
TERASAKI, Yoshiro	Apr. 1, 2017-Mar. 31, 2018
SIMON, Patrick	Dec. 1, 2017-Mar. 31, 2018

Research Fellow (Science research)

(none)

Research Fellow (Industrial-Academic coordination)

(none)

JSPS Research Fellow*(Postdoctoral Fellowships for Foreign Researchers)*

(none)

(Invitation Fellowship Programs for Research in Japan)

(none)

Department of Administration

NISHIYAMA, Kazunori Department Director

General Affairs Division

TAKEUCHI, Shohji	Director
ICHIOKA, Akihiro	Deputy Director
ARAI, Masanori	Chief/General Affairs Section
SHIMIZU, Kazuma	Chief/Planning and Evaluation Section
URUSHIHARA, Satona	Chief/Employ Section
SUGIMOTO, Michiyasu	Chief/Personnel and Payroll Section
ICHIOKA, Akihiro	Leader/External Affairs Office (Additional Post)
TAKAHASHI, Nobuhiro	Chief/Communications and Public Affairs Section

Financial Affairs Division

NISHIYAMA, Kazunori	Acting Director
TSUZUKI Tatsuko	Deputy Director
IKEDA, Katsumi	Specialist
KAWAI, Sanae	Chief/Financial Planning Section
Iwashima, Itsuki	Chief/Accounts and Properties Administration Section
FUJII, Kazuki	Chief/Audit Section
FUKUOKA, Miwa	Chief/Contracts Section
MATSUBARA, Tomohisa	Chief/Procurement Section
TSUZUKI, Tatsuko	Leader/Purchase Validation Section (Additional Post)

Research Support Division

KUWABARA, Hiroaki	Director
TERUMOTO, Naoki	Deputy Director
FUKAYA, Yosuke	Chief/Research Support Section
SAKO, Chihiro	Chief/International Collaboration Section
OHKAWA, Jun	Chief/Graduate Student Affairs Section

OHTA, Masako	Chief/Academic Information Section
TERUMOTO, Naoki	Leader/Visitor Center (Additional Post)
HOSOKAWA, Hideo	Chief/Visitor Center

Facilities and Safety Management Division

OHHASHI, Masaya	Director
NITTA, Haruki	Senior Specialist. Chief/Facilities Section (Additional Post)
MIYATA, Kazuaki	Chief/Equipment Section

Department of Engineering and Technical Services

IIMA, Masashi	Department Director
TANIGUCHI, Yoshiyuki	Deputy Department Director

Fabrication Technology Division

BABA, Tomosumi	Director
KATOH, Akemi	Chief/Parts and Material Section
ITO, Yasuhiko	Electronic Engineering Section
OKADA, Kohji	Mechanical Engineering Section
KATO, Shinji	Device Maintenance Engineering Section

Device Technology Division

YONEZU, Hiroaki	Director
HAYASHI, Hiromi	Chief/Device System Engineering Section
TSUCHIBUSHI, Yasuyuki	Chief/Vacuum Engineering Section
YASUI, Koji	Chief/Power Supply Engineering Section
SUZUKI, Naoyuki	Chief/Experimental Application Engineering Section

Plasma Heating Technology Division

KOBAYASHI, Sakuji	Director
KONDO, Tomoki	Chief/Heating System Engineering Section
SEKIGUCHI, Haruo	Chief/Particle Heating Engineering Section
ITO, Satoshi	Chief/Electron Heating Engineering Section
NOMURA, Goro	Chief/Ion Heating Engineering Section

Diagnostics Technology Division

MIYAKE, Hitoshi	Director
HAYASHI, Hiroshi	Chief/Radiation Measurement System Engineering Section
KOBUCHI, Takashi	Chief/Experimental Radiation Measurement Engineering Section
YOKOTA, Mitsuhiro	Chief/Environmental Radiation Measurement Engineering Section
OHSUNA, Masaki	Chief/Radiation Measurement Device Control Engineering Section

Control Technology Division

TANIGUCHI, Yoshiyuki	Director
MORIUCHI, Sadatomo	Chief/Control System Engineering Section
INOUE, Tomoyuki	Chief/Information Infrastructure Engineering Section
OBA, Koki	Chief/Low Temperature Control Engineering Section
OGAWA, Hideki	Chief/Control Information Engineering Section

※ This list was compiled as of March 31, 2018

APPENDIX 5. List of Publications I (NIFS Reports)

- NIFS-PROC-110 Edited by Jun Hasegawa and Tetsuo Ozaki
Recent Developments of Pulsed Power Technology and Plasma Application Research
Jan. 12, 2018
- NIFS-PROC-109 Edited by Shigeru MORITA, Liqun HU and Yeong-Kook OH
“Proceeding of A3 Foresight Program Seminar on Critical Physics Issues Specific to Steady State Sustainment of High-Performance Plasmas 11-14 July, 2017, Sapporo, Japan”
Jan. 12, 2018
- NIFS-PROC-108 Edited by Yeong-Kook OH, Shigeru MORITA and Liqun HU
“Proceeding of A3 Foresight Program Seminar on Critical Physics Issues Specific to Steady State Sustainment of High-Performance Plasmas November 22-25, 2016, Jeju, Korea”
Jan. 11, 2018
- NIFS-PROC-107 Edited by Hiroaki Ito and Tetsuo Ozaki
Recent Progress of Pulsed Power Technology and its Application to High Energy Density Plasma
Nov. 27, 2017
- NIFS-PROC-106 Edited by Keiichi Kamada and Tetsuo Ozaki
Evolution of Pulse Power and its Peripheral Technology
Nov. 01, 2017
- NIFS-PROC-105 Edited by Weihua Jiang
Frontiers of Applied Pulse Power Technology
Aug. 28, 2017
- NIFS-MEMO-81 Report on Administrative Work for Radiation Safty From April 2016 to March 2017
Radiation Control Office / Division of Health and Safty Promotion National Institute for Fusion Science
Jan. 22, 2018
- NIFS-MEMO-80 Program Committee of Technical Study on the Operation and Control of the Fusion DEMO Reactors
Report on the Operation and Contro; of the Fusion DEMO Reactors
Nov. 30, 2017
- NIFS-MEMO-79 A. Sagara, T. Goto, J. Miyazawa, N. Yanagi, H. Tamura, T. Tanaka, R. Sakamoto, S. Imagawa, T. Mito, T. Muroga, A. Iwamoto, H. Chikaraishi, M. Tanaka, O. Mitarai, K. Tsumori, M. Isobe, G. Kawamura, S. Okamura, X. Ji, S. Hamaguchi, K. Takahata, S. Ito, S. Yamada, S. Masuzaki, N. Ashikawa, S. Kubo, H. Kasahara, K. Ogawa, T. Nishitani, M. Goto, I. Yamada, R. Yasuhara, T. Akiyama, T. Tokuzawa, S. Ishiyama, T. Obana, Y. Hishinuma, S. Takada, T. Nagasaka, H. Fu, Y. Hirooka, J. Yagi, S. Takayama, D. Kato, M. Tokitani, Y. Hamaji, H. Noto, I. Murakami, H. Sakaue, and NIFS Fusion Engineering Research Project
Full Report on the NIFS Fusion Engineering Research Project for the Mid-Term of FY2010-2015
Nov. 30, 2017

APPENDIX 6. List of Publications II (Journals, etc.)

- 1 Abe Y., Sunahara A., Lee S., Yanagawa T., Zhang Z., Arikawa Y., Morace A., Nagai T., Ikenouchi T., Tosaki S., Kojima S., Sakata S., Satoh N., Watari T., Nishihara K., Kawashima T., Yogo A., Sakagami H., Shiraga H., Nishimura H., Mima K., Azechi H., Norimatsu T., Nakai M., Fujioka S.
Production of intense, pulsed, and point-like neutron source from deuterated plastic cavity by mono-directional kilo-joule laser irradiation
Applied Physics Letters 111 23 233506
- 2 Akata N., Shiroma Y., Furukawa M., Kato A., Kakiuchi H., Hosoda M., Kanai Y., Yanagisawa F.
Concentrations of chemical components, including ^{210}Pb , present in aerosols collected at Naha, Okinawa Prefecture, a sub-tropical region of Japan
Japanese Journal of Health Physics 53 1 17-22
- 3 Akata N., Shiroma Y., Ikemoto N., Kato A., Hegeds's M., Tanaka M., Kakiuchi H., Kovács T.
Atmospheric Concentration and Deposition Flux of Cosmogenic Beryllium-7 at Toki, Central Part of Japan
Radiation Environment and Medicine 7 1 47-52
- 4 Baldzuhn J., Damm H., Dinklage A., Sakamoto R., Motojima G., Yasuhara R., Ida K., Yamada H.
Particle fueling experiments with a series of pellets in LHD
Plasma Physics and Controlled Fusion 60 3 35006
- 5 Bando T., Ohdachi S., Suzuki Y., Sakamoto R., Narushima Y., Takemura Y., Watanabe K., Sakakibara S., Du X., Motojima G., Tanaka K., Morisaki T.
Simultaneous excitation of the snake-like oscillations and the $m/n = 1/1$ resistive interchange modes around the $iota = 1$ rational surface just after hydrogen pellet injections in LHD plasmas
Physics of Plasmas 25 1 12507
- 6 Berkel M., Kobayashi T., Igami H., Vandersteen G., Hogeweij G., Tanaka K., Tamura N., Zwart H., Kubo S., Ito S., Tsuchiya H., Baar M.
New evidence and impact of electron transport non-linearities based on new perturbative inter-modulation analysis
Nuclear Fusion 57 12 126036
- 7 Bernard E., Sakamoto R., Kreter A., Barthe M., Autissier E., Desgardin P., Yamada H., Garcia-argote S., Pieters G., Chêne J., Rousseau B., Grisolia C.
Tungsten as a plasma-facing material in fusion devices: impact of helium high-temperature irradiation on hydrogen retention and damages in the material
Physica Scripta 2017 T170 14023
- 8 Chikada T., Fujita H., Matsunaga M., Horikoshi S., Mochizuki J., Hu C., Koch F., Tokitani M., Hishinuma Y., Yabuuchi K., Oya Y.
Deuterium permeation behavior in iron-irradiated erbium oxide coating
Fusion Engineering and Design 124
- 9 Chikaraishi H.
Activity Report of the Committee of a Nuclear Fusion Reactor and its Control Technology Investigation
IEEJ Transactions on Power and Energy 137 9 598-601
- 10 Creely A., Ida K., Yoshinuma M., Tokuzawa T., Tsujimura T., Akiyama T., Sakamoto R., Emoto M., Tanaka K., Michael C.
Novel Analysis Technique for Measuring Edge Density Fluctuation Profiles with Reflectometry in the Large Helical Device
Review of Scientific Instruments 88 7 73509
- 11 Dobbins T., Ida K., Suzuki C., Yoshinuma M., Kobayashi T., Suzuki Y., Yoshida M.
A motional Stark effect diagnostic analysis routine for improved resolution of $iota$ in the core of the large helical device
Review of Scientific Instruments 88 9 93518

- 12 Farthing J., Ozeki T., Clement-lorenzo S., Nakajima N., Sartori F., Tommasi G., Manduchi G., Barbato P., Rigoni A., Vitale V., Giruzzi G., Mattei M., Mele A., Imbeaux F., Artaud J., Robin F., Noe J., Joffrin E., Hynes A., Hemming O., Wheatley M., Ohira S., Ide S., Ishii Y., Matsukawa M., Kubo H., Totsuka T., Urano H., Naito O., Hayashi N., Miyata Y., Namekawa M., Wakasa A., Oshima T., Nakanishi H., Yamanaka K.
Status of the ITER remote experimentation centre
Fusion Engineering and Design 128 158-162
- 13 Goto T., Miyazawa J.
Estimation of the pumping power of the liquid metal divertor REVOLVER-D for the LHD-type helical fusion reactor FFHR-d1
Plasma and Fusion Research 12 Regular Issue 1405016
- 14 Goto T., Miyazawa J., Sakamoto R., Suzuki Y., Suzuki C., Seki R., Satake S., Huang B., Nunami M., Yokoyama M., Sagara A.
Development of a Real-time Simulation Tool towards Self-consistent Scenario of Plasma Start-up and Sustainment on Helical Fusion Reactor FFHR-d1
Nuclear Fusion 57 6 66011
- 15 Goto T., Miyazawa J., Yanagi N., Tamura H., Tanaka T., Sakamoto R., Suzuki C., Seki R., Satake S., Nunami M., Yokoyama M., Sagara A.
Core plasma design of the compact helical reactor with a consideration of the equipartition effect
Plasma Physics and Controlled Fusion 60 7 74001
- 16 Hamaji Y., Lee H., Kreter A., Möller S., Rasinski M., Tokitani M., Masuzaki S., Sagara A., Oya M., Imano K., Ueda Y., Sakamoto R.
Damage and deuterium retention of re-solidified tungsten following vertical displacement event-like heat load
Nuclear Materials and Energy 12 1303-1307
- 17 Hara H., Ohashi H., Li B., Dunne P., O'Sullivan G., Sasaki A., Suzuki C., Tamura N., Sakaue H., Kato D., Murakami I., Higashiguchi T.
Spectral evolution of soft x-ray emission from optically thin, high electron temperature platinum plasmas
APL Photonics 2 8 81301
- 18 Hasegawa H., Ishiguro S.
Development and Verification of the Three-dimensional Electrostatic Particle Simulation Code for the Study of Blob and Hole Propagation Dynamics
Plasma and Fusion Research 12 Regular Issue 1401044-1-1401044-9
- 19 Hasegawa H., Ishiguro S.
Microscopic Effect on Filamentary Coherent Structure Dynamics in Boundary Layer Plasmas
Plasma 1 1 6
- 20 Hasegawa H., Ishiguro S.
Impurity Transport Caused by Blob and Hole Propagations
Nuclear Fusion 57 11 116008
- 21 Hirooka Y., Bi H., Shimada M., Ono M.
Hydrogen and helium recycling from a JxB-force convected liquid metal $Ga_{67}In_{20.5}Sn_{12.5}$ under steady state plasma bombardment
Fusion Engineering and Design 117 140-144
- 22 Honda M., Satake S., Suzuki Y., Shinohara K., Yoshida M., Narita E., Nakata M., Aiba N., Shiraishi J., Hayashi N., Matsunaga G., Matsuyama A., Ide S.
Predictions of toroidal rotation and torque sources arising in non-axisymmetric perturbed magnetic fields in tokamaks
Nuclear Fusion 57 11 116050
- 23 Huang X., Morita S., Oishi T., Murakami I., Goto M., Zhang H., Liu Y., LHD experiment group.
Formation of impurity transport barrier in LHD plasmas with hollow density profile
Nuclear Fusion 57 8 86031

- 24 Ida K., Fujita T.
Internal Transport Barrier in Tokamak and Helical Plasmas
Plasma Physics and Controlled Fusion 60 3 33001
- 25 Ida K., Kobayashi T., Yoshinuma M., Akiyama T., Tokuzawa T., Tsuchiya H., Itoh K.
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