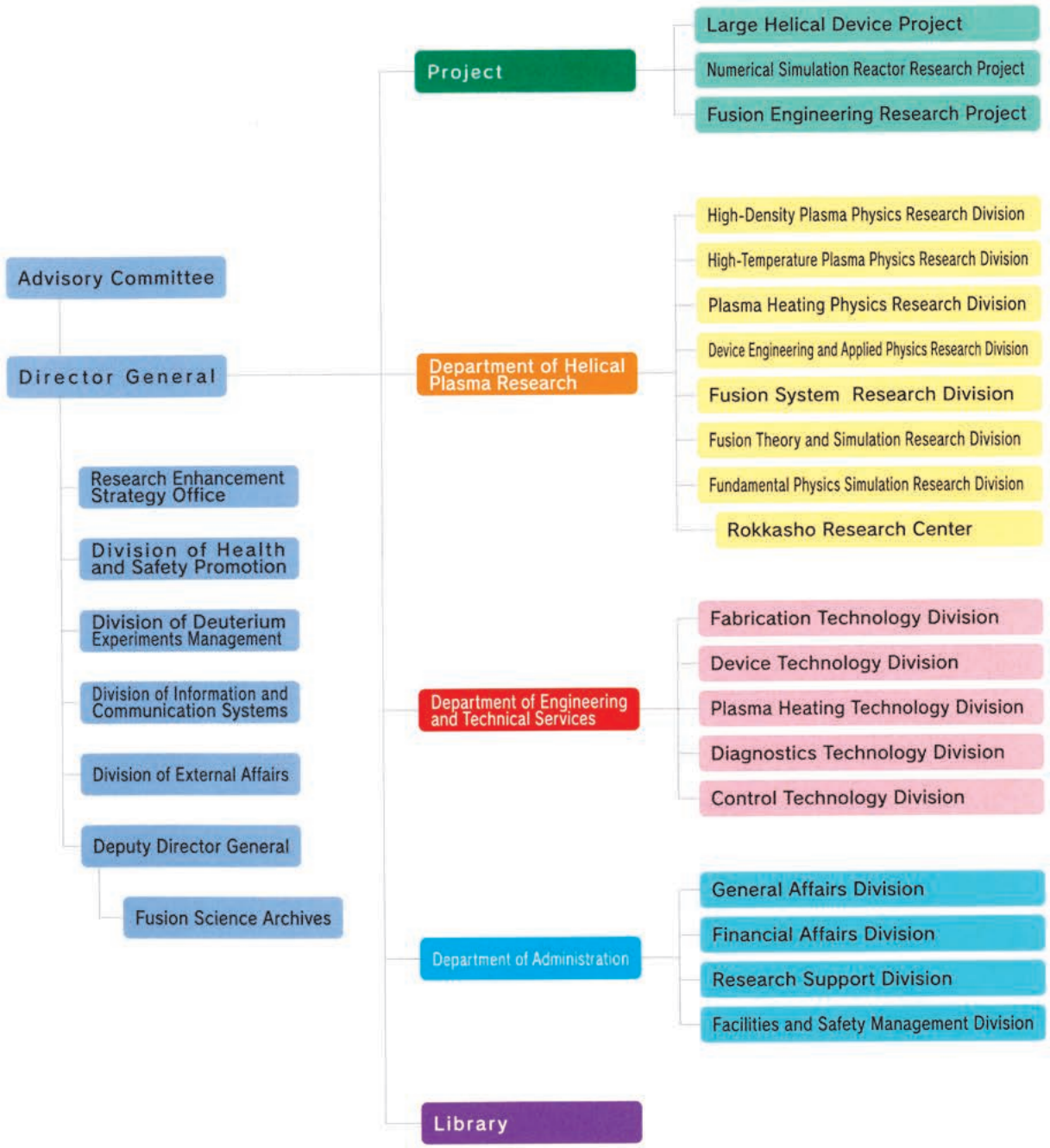
APPENDIX

APPENDIX 1. Organization of the Institute

NATIONAL INSTITUTE for FUSION SCIENCE

Organization



APPENDIX 2. Members of Committees

Advisory Committee

ANDO, Akira	Professor, Graduate School of Engineering, Tohoku University
USHIGUSA, Kenkichi	Managing Director, Fusion Energy Research and Deveropment Directorate, National Institutes for Quantum and Radiological Science and Technology
OHNO, Noriyasu	Director, Graduate School of Engineering, Nagoya University
OGAWA, Yuichi	Professor, Graduate School of Frontier Science, The University of Tokyo
KODAMA, Ryousuke	Director, Institute of Laser Engineering, Osaka University
NAGASAKI, Kazunobu	Professor, Institute of Advanced Energy, Kyoto University
NAKASHIMA, Yousuke	Director, Plasma Research Center, University of Tsukuba
HANADA, Kazuaki	Director, Resarch Institute for Applied Mechanics, Kyushu University
WATANABE, Tomohiko	Professor, Depaertment of Physics , Nagoya University
WADA, Motoi	Professor, Faculty of Science and Engineering, Doshisha 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
MURAKAMI, Izumi	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, 2021

APPENDIX 3. Advisors, Fellows, and Professors Emeritus

Advisors

Michael Tendler	Professor Royal Institute of Technology Alfvèn Laboratory

Fellows

YAMADA, Hiroshi

Professors Emeritus

ICHIKAWA, Yoshihiko (1993)
MIZUNO, Yukio (1994)
FUJITA, Junji (1996)
KURODA, Tsutomu (1997)
AMANO, Tsuneo (1998)
MOMOTA, Hiromu (1998)
IIYOSHI, Atsuo (1999)
HATORI, Tadatsugu (1999)
TANAHASHI, Shugo (2000)
KAWAMURA, Takaichi (2000)
SATO, Tetsuya (2001)
FUJIWARA, Masami (2002)
TODOROKI, Jiro (2003)
KAMIMURA, Tetsuo (2003)
OHKUBO, Kunizo (2005)
HAMADA, Yasuji (2007)
KATO, Takako (2007)
NODA, Nobuaki (2008)
WATARI, Tetsuo (2008)
MOTOJIMA, Osamu (2009)
SATOH, Kohnosuke (2010)
OHYABU, Nobuyoshi (2010)
MATSUOKA, Keisuke (2010)
TOI, Kazuo (2012)
NARIHARA, Kazumichi (2012)
KUMAZAWA, Ryuhei (2012)
UDA, Tatsuhiko (2012)
SATO, Motoyasu (2012)
YAMAZAKI, Kozo (2013)
KAWAHATA, Kazuo (2013)
OKAMURA, Shoichi (2014)
KOMORI, Akio (2015)
SUDO, Shigeru (2015)
SKORIC, Milos (2015)
MUTO, Takashi (2016)
NAGAYAMA, Yoshio (2017)
NAKAMURA, Yukio (2017)
SAGARA, Akio (2017)
ITOH, Kimitaka (2017)
HORIUCHI, Ritoku(2017)
HIROOKA, Yoshihiko (2018)
MORITA, Shigeru (2019)
NISHIMURA, Arata (2019)

※ This list was compiled as of March 31, 2021

APPENDIX 4. List of Staff

Director General

YOSHIDA, Zensho

Deputy Director General

MUROGA, Takeo

Department of Helical Plasma Research

Prof. MUROGA, Takeo (Director)

High-Density Plasma Physics Research Division

Prof. SAKAMOTO Ryuichi (Director)
Prof. WATANABE, Kiyomasa
Prof. SAKAMOTO, Ryuichi
Prof. OHDACHI, Satoshi
Assoc. Prof. YOSHIMURA, Shinji
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. OISHI, Tetsutaro
Asst. Prof. NISHIMURA, Shin
Asst. Prof. HAYASHI, Yuki
Asst. Prof. KAWAMOTO, Yasuko
Asst. Prof. GOTO, Yuki
Specially Asst. Prof. OHTSUBO, Yohko

High-Temperature Plasma Physics Research Division

Prof. IDA, Katsumi (Director)
Prof. SAKAKIBARA, Satoru
Prof. TANAKA, Kenji
Prof. ISOBE, Mitsutaka
Prof. PETERSON, Byron Jay
Assoc. Prof. GOTO, Motoshi
Assoc. Prof. TAMURA, Naoki
Assoc. Prof. YAMADA, Ichihiro
Assoc. Prof. YASUHARA, Ryo
Assoc. Prof. OZAKI, Tetsuo
Assoc. Prof. NAKANISHI, Hideya
Assoc. Prof.OGAWA, Kunihiro
Asst. Prof. KOBAYASHI, Tatsuya
Asst. Prof. MUTO, Sadatsugu
Asst. Prof. FUNABA, Hisamichi
Asst. Prof. YOSHINUMA, Mikirou
Asst. Prof. SUZUKI, Chihiro
Asst. Prof. SHIMIZU, Akihiro
Asst. Prof. EMOTO, Masahiko
Asst. Prof. MUKAI, Kiyofumi
Asst. Prof. UEHARA, Hiyori

Plasma Heating Physics Research Division

Prof. KUBO, Shin (Director)
Prof. SIMOZUMA, Takashi
Prof. OSAKABE, Masaki
Prof. TSUMORI, Katsuyoshi
Assoc. YOSHIMURA, Yasuo
Assoc. Prof. NISHIURA, Masaki
Assoc. Prof. KASAHARA.Hiroshi
Assoc. Prof. IGAMI, Hiroe
Assoc. Prof. TAKAHASHI, Hiromi
Assoc. Prof. SAITO, Kenji
Assoc. Prof. SEKI, Tetsuo
Prof. NAGAOKA, Kenichi
Asst. Prof. TSUJIMURA, Toru
Asst. Prof. NAKANO, Haruhisa
Asst. Prof. KAMIO, Shuji
Asst. Prof. IKEDA, Katsunori
Asst. Prof. KISAKI, Masashi
Asst. Prof. SEKI, Ryosuke
Asst. Prof. FUJIWARA, Yutaka
Asst. Prof. NUGA, Hideo
Asst. Prof. YANAI Ryohma

Device Engineering and Applied Physics Research Division

Prof. MITO, Toshiyuki (Director)
Prof. TAKAHATA, Kazuya
Prof. IMAGAWA, Shinsaku
Prof. YANAGI, Nagato
Prof. NISHIMURA, Kiyohiko
Prof. HIRANO, Naoki
Assoc. Prof. IWAMOTO, Akifumi
Assoc. Prof. HAMAGUCHI, Shinji
Assoc. Prof. CHIKARAISHI, Hirotaka
Assoc. Prof. TAKAYAMA, Sadatsugu
Assoc. Prof. TANAKA, Masahiro
Assoc. Prof. SAZE, Takuya
Asst. Prof. TAKADA, Suguru
Asst. Prof. OBANA, Tetsuhiro
Asst. Prof. KOBAYASHI, Makoto
Asst. Prof. ONODERA, Yuta

Fusion Systems Research Division

Prof. MURAKAMI, Izumi (Director)
Prof. MUROGA, Takeo
Prof. MIYAZAWA, Junichi
Prof. NISHIMURA, Arata
Prof. MASUZAKI.Suguru
Assoc. Prof. TANAKA, Teruya
Assoc. Prof. TAMURA, Hitoshi
Assoc. Prof. NAGASAKA, Takuya
Assoc. Prof. HISHINUMA, Yoshimitsu
Assoc. Prof. KATO, Daiji
Assoc. Prof. TOKITANI, Masayuki
Asst. Prof. GOTO, Takuya
Asst. Prof. ASHIKAWA, Naoko
Asst. Prof. NOTO, Hiroyuki
Asst. Prof. SAKAUE, Hiroyuki
Asst. Prof. HAMAJI.Yukinori
Asst. Prof. YAJIMA, Miyuki
Asst. Prof. SHEN, Jingjie

Fusion Theory and Simulation Research Division

Prof. TODO, Yasushi (Director)
Prof. SUGAMA, Hideo
Prof. ICHIGUCHI, Katsuji
Prof. YOKOYAMA, Masayuki
Assoc. Prof. MIZUGUCHI, Naoki
Assoc. Prof. TODA, Shinichiro
Assoc. Prof. SATAKE, Shinsuke
Assoc. Prof. KANNO, Ryutaro
Assoc. Prof. SUZUKI, Yasuhiro
Assoc. Prof. NUNAMI, Masanori
Asst. Prof. YAMAGISHI, Osamu
Asst. Prof. ISHIZAKI, Ryuichi
Asst. Prof. NAKATA, Motoki
Asst. Prof. WANG, Hao
Asst. Prof. KAWAMURA, Gakushi
Asst. Prof. SATO, Masahiko
Asst. Prof. YAMAGUCHI, Hiroyuki
Asst. Prof. MATSUOKA, Seikichi

Fundamental Physics Simulation Research Division

Prof. ISHIGURO, Seiji (Director)
Prof. MIURA, Hideaki
Prof. NAKAMURA, Hiroaki
Prof. SAKAGAMI, Hitoshi
Assoc. Prof. USAMI, Shunsuke
Assoc. Prof. OHTANI, Hiroaki
Assoc. Prof. ITO, Atsushi M.
Assoc. Prof. TOIDA, Mieko
Assoc. Prof. YAMAMOTO, Takashi
Asst. Prof. HASEGAWA, Hiroki
Asst. Prof. MORITAKA, Toseo
Asst. Prof. ITO, Atsushi
Asst. Prof. TAKAYAMA, Arimichi

Rokkasho Research Center

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

Project

Large Helical Device Project

Prof. IDA, Katsumi
Prof. OSAKABE, Masaki

Numerical Simulation Reactor Research Project

Prof. SUGAMA, Hideo

Fusion Engineering Research Project

Prof. MUROGA, Takeo
Prof. YANAGI, Nagato

Research Enhancement Strategy Office

Prof. MUROGA, Takeo (Director)
Specially Appointed Prof. OKAMURA, Shoichi
Specially Appointed Prof. ROBINSON, Kenneth
Specially Appointed Prof. YAJI Kentaro

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, 2021

Guest Professor

(None)

COE Research Fellows

SIMON Partric
SHIN Shogeth
JACOBO Varela Rodriguz
MALIK Idouakass
CHEN Hengjiun
ISLAM Md. Shahinul

Research Fellow (Science research)

(None)

Research Fellow (Industrial-Academic coordination)

(None)

JSPS Research Fellow

(None)

Depertment of Administration

NODA, Takao	Department Director

General Affairs Division

NISHIO, Naoaki	Director
ICHIOKA, Akihiro	Senior Advisor
ARAI, Masanori	Chief/General Affairs Section
SHIMIZU, Kazuma	Chief/Planning and Evaluation Section
MAEDA, Yoshikazu	Chief/Employee Section
UESUGI, Kotaro	Chief/Personnel and Payroll Section
MATSUBARA, Tomohisa	Chief/Communications and Public Affairs Section

Financial Affairs Division

SHIMIZU, Naomi	Director
TSUDA, Makoto	Deputy Director
FUJII, Kazuki	Chief/Financial Planning Section
Iwashima, Itsuki	Chief/Accounts and Properties Administration Section
FUKUOKA, Miwa	Chief/Audit Section
HIBINO, Atsushi	Chief/Procurement Section

Research Support Division

FUJITA, Hirotada	Director
URUSHIHARA, Satona	Deputy Director
SUZUKI, Takayuki	Chief/Research Support Section
SOGA, Shihoko	Chief/International Collaboration Section
KAWAI, Sanae	Chief/Graduate Student Affairs Section
OHTA, Masako	Chief/Academic Information Section
URUSHIHARA, Satona	Leader/Visitor Center (Additional Post)
KONDO, Takahiko	Chief/Visitor Center

Facilities and Safety Management Division

SHIRAHIGE, Tamio	Director
WAKASHIMA, Masahiro	Deputy Director
MIYATA, Kazuaki	Chief/Facilities and Equipment Section
IKEDA, Katsumi	Facility Planning Section

※ This list was compiled as of March 31, 2021

APPENDIX 5. List of Publications I (NIFS Reports)

NIFS-1128 Osamu Mitarai and Nagato Yanagi
Suppression method of COVID-19 infection by isolation time control based on the SIR model and the analogy of nuclear fusion research
Dec. 01, 2020

NIFS-MEMO-87 CHS-qa design team
Proposal of the CHS-qa expriment
July 22, 2020 (In Japanese)

NIFS-PROC-120 Edited by Izumi Tsutsui (KEK) and Shin Kubo (NIFS)
Proceedings of the meetings on Archives in Fields of Natural Sciences in FY2019
Feb. 26, 2021 (In Japanese)

NIFS-PROC-119 NIFS-SWJTU JOINT PROJECT FOR CFQS -PHYSICS AND ENGINEERING DESIGN-
VER.3.1 2020. NOV.
National Institute for Fusion Science, National Institutes of Natural Sciences
Institute of Fusion Science, School of Physical Science and Technology, Southwest Jiaotong University
Hefei Keye Electro Physical Equipment Manufacturing Co. Ltd.
Jan. 25, 2021

NIFS-PROC-118 Edited by Tetsuo Ozaki and Sunao Katsuki
New Development of Beam Physics and the Application by New Generation Pulsed Power Technology
June 29, 2020

NIFS-PROC-117 Edited by E. Kikutani (KEK) and S. Kubo (NIFS)
Proceedings of the meeting on Archives in Fields of Natural Sciences in FY2018
June 9, 2020 (In Japanese)

※ This list was compiled as of March 31, 2021

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

1. Abe Y., Johzaki T., Sunahara A., Arikawa Y., Ozaki T., Ishii K., Hanayama R., Okihara S., Miura E., Komeda O., Sakata S., Matsuo K., Morita H., Takizawa R., Mizutani R., Iwamoto A., Sakagami H., Sentoku Y., Shiraga H., Nakai M., Fujioka S., Mori Y., Kitagawa Y.

   Monte Carlo particle collision model for qualitative analysis of neutron energy spectra from anisotropic inertial confinement fusion
   High Energy Density Physics 36 100803 2020

2. Akata N., Iwata C., Nakada M., Tanaka M., Kakiuchi H., Kovács T., Yanagisawa F., Kanai Y.

   Characterization of atmospheric 210Pb concentration and its relation to major ion species at Tsukuba, Japan
   Journal of Radioanalytical and Nuclear Chemistry 327 755-760 2021

3. Araki K., Miura H.

   Asymmetry of Quadratic Energy Transfer Between Ion Cyclotron and Whistler Modes in Fully Developed Hall Magnetohydrodynamic Turbulence
   Plasma and Fusion Research 15 Special Issue 1 2401024 2020

4. Bando T., Ohdachi S.

   Research and Technology Notes: Separation of fluctuation component with Singular Spectrum Analysis
   Journal of Plasma and Fusion Research 96 5 262-266 2020

5. Berkel M., Van kampen R., Vandersteen G., Kobayashi T., Ravensbergen T., Igami H., Lammers J., Oosterwegel G., Galperti C., Felici F., Baar M.

   Correcting for non-periodic behaviour in perturbative experiments: application to heat pulse propagation and modulated gas-puff experiments
   Plasma Physics and Controlled Fusion 62 9 94001 2020

6. Chen H., Uehara H., Kawase H., Yasuhara R.

   Efficient visible laser operation of Tb:LiYF4 and LiTbF4
   Optics Express 28 8 10951-10959 2020

7. Chen H., Uehara H., Yasuhara R.

   Compact deep ultraviolet frequency-doubled Tb:LiYF4 lasers at 272 nm
   Optics Letters 45 19 5558 2020

8. Chen H., Yao W., Uehara H., Yasuhara R.

   Graphene Q-switched Tb:LiYF4 green laser
   Optics Letters 45 9 2596-2599 2020

9. Ejiri A., Aoi Y., Yamazaki H., Tsujii N., Takase Y., Watanabe O., Ko Y., Rice J., Peng Y., Iwasaki K., Matsuzaki K., Osawa Y., Yoshimura Y.

   Development of a Compact Hard X-Ray Camera on the TST-2 Spherical Tokamak
   Plasma and Fusion Research 15 Regular Issue 1202023 2020

10. Fujita K., Satake S., Kanno R., Nunami M., Nakata M., García-regaña J., Velasco J., Calvo I.

    Global calculation of neoclassical impurity transport including the variation of electrostatic potential
    Journal of Plasma Physics 86 3 905860319 2020

11. Fujiwara Y., Kamio S., Yamaguchi H., Garcia A., Stagner L., Nuga H., Seki R., Ogawa K., Isobe M., Yokoyama M., Heidbrink W., Osakabe M., LHD Experiment Group.

    Fast-ion D alpha diagnostic with 3D-supporting FIDASIM in the Large Helical Device
    Nuclear Fusion 60 11 112014 2020

12. Geiger B., Stagner L., Heidbrink W., Dux R., Fischer R., Fujiwara Y., Garcia A., Jacobsen A., Vuuren A., Karpushov A., Liu D., Schneider P., Sfiligoi I., Poloskei P., Weiland M.

    Progress in modelling fast-ion D-alpha spectra and neutral particle analyzer fluxes using FIDASIM
    Plasma Physics and Controlled Fusion 62 10 105008 2020

13. Goto M., Ramaiya N.

    Polarization of Lyman-α Line Due to the Anisotropy of Electron Collisions in a Plasma
    Symmetry 13 2 297 2021

14. Goto M., Ramaiya N., Oishi T., Kawamoto Y., Kawate T.
Measurement of anisotropic electron velocity distribution function in LHD by polarization spectroscopy
Plasma and Fusion Research 16 Special Issue 1 2402029 2021

15. Goya K., Mori A., Tokita S., Yasuhara R., Kishi T., Nishijima Y., Tanabe S., Uehara H.
Broadband mid-infrared amplified spontaneous emission from Er/Dy co-doped fluoride fiber with a simple diode-pumped configuration
Scientific Reports 11 5432 2021

16. Haba Y., Nagaoka K., Tsumori K., Kisaki M., Takahashi K., Nakano H., Ikeda K., Yoshimura S., Osakabe M.
Response of beam focusing to plasma fluctuation in a filament-arc-type negative ion source
Japanese Journal of Applied Physics 59 SH SHHA01 2020

17. Habara H., Lad A., Nagami R., Singh P., Chatterjee G., Adak A., Dalui M., Jha J., Brijesh P., Mishima Y., Nagai K., Sakagami H., Tata S., Talluri M., Krishnamurthy M., Tanaka K., Kumar G.
Micro-optics for ultra-intense lasers
AIP Advances 11 3 35214 2021

18. Hashida M., Furukawa Y., Inoue S., Sakabe S., Masuno S., Kusaba M., Sakagami H., Tsukamoto M.
Uniform LIPSS on titanium irradiated by two-color double-pulse beam of femtosecond laser
Journal of Laser Applications 32 2 22054 2020

19. Hirano N., Nagai S., Xie Y., Okamura T.
Basic research of HTS coil cooling assist technology by magnetic refrigeration
Journal of Physics: Conference Series 1559 12090 2020

20. Hu K., Wang Q., Koyamada K., Ohtani H., Goto T., Miyazawa J.
Visualization of The Plasma Shape in a Force Free Helical Reactor, FFHR
Journal of Advanced Simulation in Science and Engineering 7 1 151-167 2020

21. Hu W., Kobayashi T., Suzuki Y., Yoshinuma M., Tokuzawa T., Ida K.
Correlation analysis between density and magnetic field low frequency fluctuations in improved confinement mode on LHD
Plasma and Fusion Research 16 Special Issue 1 2402031 2021

22. Ida K.
Bifurcation phenomena in magnetically confined toroidal plasmas
Advances in Physics: X 5 1 1801354 2020

23. Ida K., Yoshinuma M., Tanaka K., Nakata M., Kobayashi T., Fujiwara Y., Sakamoto R., Motojima G., Masuzaki S., The LHD Experimental Group.
Characteristics of plasma parameters and turbulence in the isotope-mixing and the non-mixing states in hydrogen–deuterium mixture plasmas in the large helical device
Nuclear Fusion 61 1 16012 2021

24. Imagawa S., Obana T., Hamaguchi S., Yanagi N., Mito T.
Normal-zone propagation in helical coils of Large Helical Device
Journal of the Cryogenic Society of Japan 55 5 357-365 2020

25. Ishiyama S., Chikaraishi H., Sagara A.
Operating scenario of 3GWth class FFHR power plant with bypass controlled supercritical CO2 gas turbine power generation system
Fusion Engineering and Design 164 112194 2021

26. Islam M., Nakashima Y., Iijima T., Nojiri K., Ezumi N., Yoshikawa M., Kariya T., Minami R., Hirata M., Hoshino K., Hatayama A., Hasegawa H., Ishiguro S., Matsuura H., Sakamoto M.
Study of the Transient Behavior of Detached Plasma during Xe Gas Injection into the D-Module of GAMMA 10/PDX
Plasma and Fusion Research 15 Regular Issue 1402074 2020

27. Islam M., Nakashima Y., Ishiguro S., Hoshino K., Hatayama A., Hasegawa H., Sakamoto M.
Numerical Simulation Study of the Magnetic Flux Tube Expansion on the Divertor Plasma Parameters by the LINDA Code
Plasma and Fusion Research 16 Special Issue 1 2403049 2021

28. Ito A.

Saloon: An Encouragement of Writing with Markdown
Journal of Plasma and Fusion Research 96 7 379-387 2020

29. Ito A., Nakajima N.

Two-fluid and finite Larmor radius effects on high-beta tokamak equilibria with flow in reduced magnetohydrodynamics
Physica Scripta 96 3 35602 2021

30. Ito A., Takayama A., Watanabe O., Singh V., Tyagi S., Singh S.

Tuning of Density Functional Theory Simulation on Vector Processor System – Plasma Simulator Raijin –
Plasma and Fusion Research 15 Regular Issue 1203085 2020

31. Ito D., Yazawa H., Tomitaka M., Kumagai T., Kono S., Yamauchi M., Misawa T., Kobuchi T., Hayashi H., Miyake H., Ogawa K., Nishitani T., Isobe M.

Development of a Wide Dynamic Range Neutron Flux Measurement Instrument Having Fast Time Response for Fusion Experiments
Plasma and Fusion Research 16 Regular Issue 1405018 2021

32. Iwamoto A., Kodama R.

Conceptual design of a subcritical research reactor for inertial fusion energy with the J-EPoCH facility
High Energy Density Physics 36 100842 2020

33. Kageyama A., Sakamoto N., Miura H., Ohno N.

Interactive Exploration of the In-Situ Visualization of a Magnetohydrodynamic Simulation
Plasma and Fusion Research 15 Regular Issue 1401065 2020

34. Kamio S., Fujiwara Y., Nagaoka K., Ogawa K., Seki R., Yamaguchi H., Nuga H., Isobe M., Osakabe M., Cheng C.

Observation of clump structure in transported particle orbit using an upgraded neutral particle analyzer during TAE burst in LHD
Nuclear Fusion 60 11 112002 2020

35. Kamio S., Fujiwara Y., Ogawa K., Kobayashi M., Sangaroon S., Isobe M., Seki R., Nuga H., Osakabe M., Matsuyama S., Miwa M., Toyama S.

Neutron-induced signal on the single crystal chemical vapor deposition diamond-based neutral particle analyzer
Review of Scientific Instruments 91 11 113304 2020

36. Kamio S., Fujiwara Y., Ogawa K., Seki R., Nagaoka K., Nuga H., Sangaroon S., Isobe M., Osakabe M., Cheng C.

Initial Results of Hydrogen and Deuterium Beam Ion Simultaneous Transport due to Toroidal Alfvén Eigenmode in the Large Helical Device
Plasma and Fusion Research 16 Special Issue 1 2402044 2021

37. Kamitani A., Takayama T., Saitoh A., Nakamura H.

Acceleration Techniques for Linear-System Solver in Shielding Current Analysis of Cracked HTS Film
Plasma and Fusion Research 16 Special Issue 1 2405005 2021

38. Kawase H., Uehara H., Yao W., Chen H., Yasuhara R.

Optical chopper based mechanically Q-switched ~3 μm Er:YAP single-crystal laser
Japanese Journal of Applied Physics 60 1 12002 2021

39. Kawate T., Tsuzuki T., Shimizu T., Imada S., Katsukawa Y., Hara H., Suematsu Y., Ichimoto K., Hattori T., Narasaki S., Warren H., Teriaca L., Korendyke C., Brown C., Auchere F.

A sensitivity analysis of the updated optical design for EUVST on the Solar-C mission
Proceedings of SPIE 11444 114443J 2020

40. Kobayashi M., Angelone M., Yoshihashi S., Ogawa K., Isobe M., Nishitani T., Sangaroon S., Kamio S., Fujiwara Y., Tsubouchi T., Uritani A., Sakama M., Osakabe M., The LHD Experimental Group.

Thermal neutron measurement by single crystal CVD diamond detector applied with the pulse shape discrimination during deuterium plasma experiment in LHD
Fusion Engineering and Design 161 112063 2020

41. Kobayashi M., Ogawa K., Isobe M., Nishitani T., Nishimura T., Mukai K., Yoshihashi S., Osakabe M.

Design of neutron spectrum-shaping assembly around the pneumatic tube-end in the LHD torus hall for the medical research application
Plasma and Fusion Research 15 Special Issue 1 2405043 2020

42. Kobayashi M., Tokar M.

Time-dependent plasma transport simulation for the study of edge impurity radiation dynamics with magnetic island in large helical device
Contributions to Plasma Physics 60 5-6 e201900138 2020

43. Kobayashi T.

The physics of the mean and oscillating radial electric field in the L–H transition: the driving nature and turbulent transport suppression mechanism
Nuclear Fusion 60 9 95001 2020

44. Kobayashi T., Ida K., Tanaka K., Yoshinuma M., Tsujimura T., Inagaki S., Tokuzawa T., Tsuchiya H., Tamura N., Igami H., Yoshimura Y., Itoh S., Itoh K.

Isotope effect in transient electron thermal transport property and its impact on the electron internal transport barrier
Nuclear Fusion 60 7 76015 2020

45. Kobayashi T., Kin F., Kawachi Y., Sasaki M., Kosuga Y., Yamasaki K., Inagaki S.

Impact of helium neutral gas puff on plasma turbulence in linear magnetized argon plasmas
Physics of Plasmas 27 6 62309 2020

46. Kobayashi T., Yanai R., Tsujimura T., Tokuzawa T., Ida K.

Transient Electron Thermal Transport Analysis Accounting Oblique Electron Cyclotron Resonance Heating Injection to Magnetic Field Line
Plasma and Fusion Research 15 Regular Issue 1402072 2020

47. Kobayashi T., Yoshinuma M., Ida K.

Two-dimensional beam emission spectroscopy for hydrogen isotope negative neutral beam in Large Helical Device
Plasma Physics and Controlled Fusion 62 12 125011 2020

48. Kocsis G., Tamura N., Bussiahn R., McCarthy K., Baldzuhn J., Biedermann C., Cseh G., Damm H., Kornejew P., König R., Panadero N., Szepesi T.

Investigation of TESPEL cloud dynamics in Wendelstein 7-X stellarator
Nuclear Fusion 61 1 16006 2021

49. Koschinsky J., Akaslompolo S., Biedermann C., Bozhenkov S., Isobe M., Kontula J., Ogawa K., Schneider W., Warmer F., Wurden G., Wolf R., W7-x team T.

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