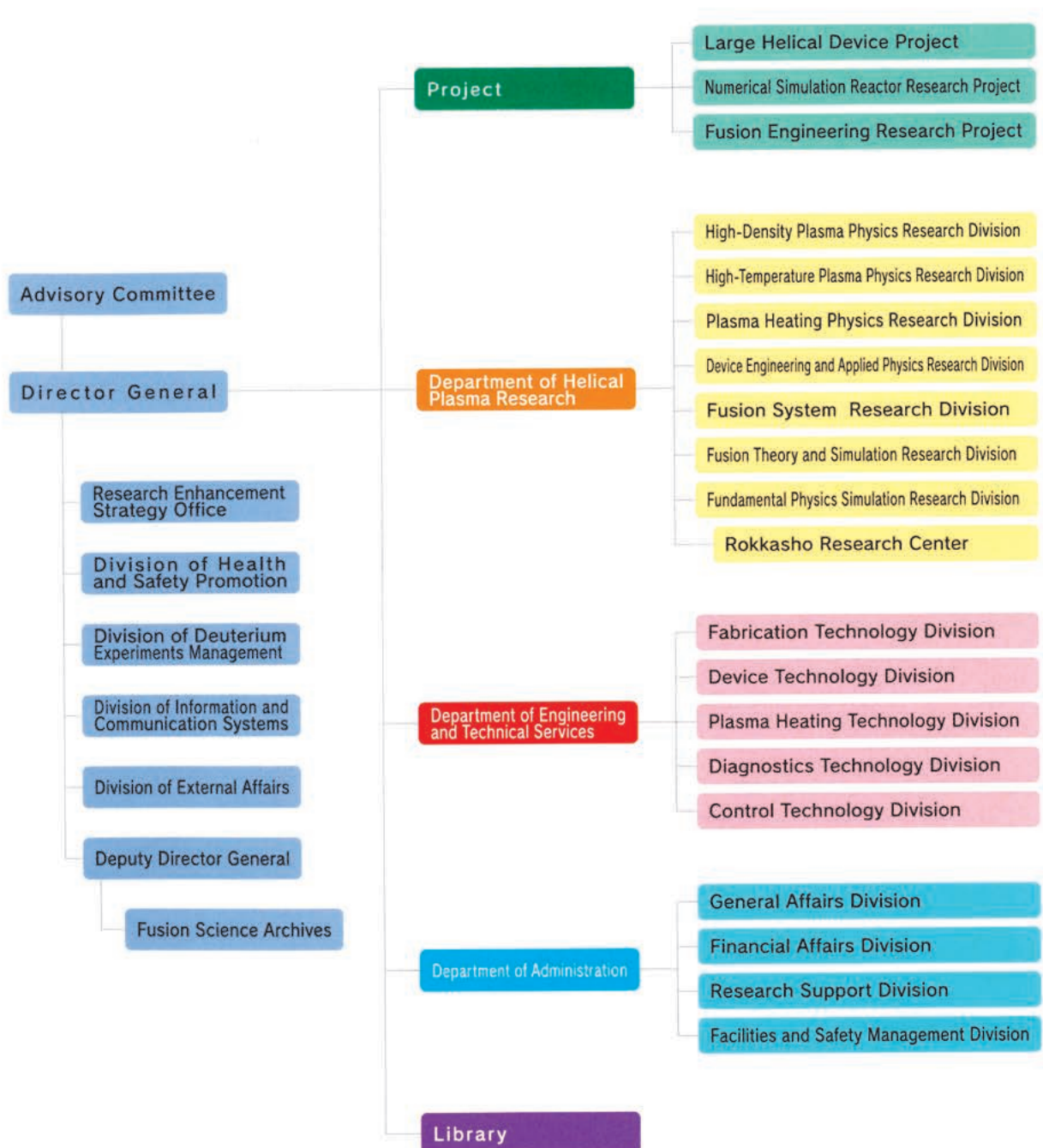


APPENDIX

APPENDIX 1. Organization of the Institute

NATIONAL INSTITUTE for FUSION SCIENCE

Organization



APPENDIX 2. Members of Committees

Advisory Committee

UEDA, Yoshio	Professor Graduate School of Engineering, Osaka University
OHNO, Noriyasu	Professor Graduate School of Engineering, Nagoya University
OZAWA, Tohru	Professor Department of Applied Physics, Waseda University
KANEKO, Toshiro	Professor Graduate School of Engineering, Tohoku University
KISHIMOTO, Yasuaki	Professor Graduate School of Energy Science, Kyoto University
KURIHARA, Kenichi	Managing Director, Fusion Energy Research and Development Directorate, National Institutes for Quantum and Radiological Science and Technology
FUJISAWA, Akihide	Professor Research Institute for Applied Mechanics, Kyushu University
MATSUOKA, Ayako	Professor Graduate School of Science, Kyoto University
YAMADA, Hiroshi	Professor Graduate School of Frontier Sciences, The University of Tokyo
YONEDA, Hitoki	Professor Institute for laser science, The University of Electro-Communications
WATANABE, Tomo-hiko	Professor Department of Physics, Nagoya University

※ This list was compiled as of March 31, 2023

APPENDIX 3. Advisors, Fellows, and Professors Emeritus

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)
KAMIMURA, Tetsuo (2003)
HAMADA, Yasuji (2007)
KATO, Takako (2007)
NODA, Nobuaki (2008)
WATARI, Tetsuo (2008)
MOTOJIMA, Osamu (2009)
SATO, 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)
KUBO, Shin (2020)
MITO, Toshiyuki (2020)
NISHIMURA, Kiyohiko (2020)
ISHIGURO, Seiji (2021)
MUROGA, Takeo (2021)
NAKAJIMA, Noriyoshi (2021)
SHIMOZUMA, Takashi (2021)

※ This list was compiled as of March 31, 2023

APPENDIX 4. List of Staff

Director General

YOSHIDA, Zensho

Deputy Director General

MORISAKI, Tomohiro

Department of Helical Plasma Research

Prof. IDA, Katsumi (Director)

High-Density Plasma Physics Research Division

Prof. SAKAMOTO, Ryuichi

Prof. OHDACHI, Satoshi

Prof. WATANABE, Kiyomasa

Assoc. Prof. KOBAYASHI, Masahiro

Assoc. Prof. MOTOJIMA, Gen

Assoc. Prof. SHOJI, Mamoru

Assoc. Prof. TOKUZAWA, Tokihiko

Assoc. Prof. YOSHIMURA, Shinji

Asst. Prof. NARUSHIMA, Yoshiro

Asst. Prof. TAKEMURA, Yuki

Asst. Prof. NISHIMURA, Shin

Asst. Prof. HAYASHI, Yuki

Asst. Prof. KAWAMOTO, Yasuko

Asst. Prof. GOTO, Yuki

Project 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, Ichihiko

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

Proj. Res. Staff ZHAO, Mingzhong

Plasma Heating Physics Research Division

Prof. NAGAOKA, Kenichi (Director)

Prof. OSAKABE, Masaki

Prof. TSUMORI, Katsuyoshi

Assoc. Prof. IGAMI, Hiroe

Assoc. Prof. KASAHARA, Hiroshi

Assoc. Prof. NAKANO, Haruhisa

Assoc. Prof. NISHIURA, Masaki

Assoc. Prof. SAITO, Kenji

Assoc. Prof. SEKI, Tetsuo

Assoc. Prof. TAKAHASHI, Hiromi

Assoc. Prof. YOSHIMURA, Yasuo

Asst. Prof. IKEDA, Katsunori

Asst. Prof. KENMOCHI, Naoki

Asst. Prof. NUGA, Hideo

Asst. Prof. SEKI, Ryosuke

Asst. Prof. YANAI Ryohma

Project Asst. Prof. KAWACHI Yuichi

Device Engineering and Applied Physics Research Division

Prof. IMAGAWA, Shinsaku
Prof. HIRANO, Naoki
Prof. TAKAHATA, Kazuya
Prof. YANAGI, Nagato
Assoc. Prof. CHIKARAISHI, Hirotaka
Assoc. Prof. HAMAGUCHI, Shinji
Assoc. Prof. IWAMOTO, Akifumi

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

Fusion Systems Research Division

Prof. MURAKAMI, Izumi (Director)
Prof. MASUZAKI, Suguru
Prof. NAGASAKA, Takuya
Assoc. Prof. ASHIKAWA, Naoko
Assoc. Prof. HISHINUMA, Yoshimitsu
Assoc. Prof. KATO, Daiji
Assoc. Prof. TAMURA, Hitoshi
Assoc. Prof. TANAKA, Teruya
Assoc. Prof. TOKITANI, Masayuki

Asst. Prof. GOTO, Takuya
Asst. Prof. HAMAJI, Yukinori
Asst. Prof. KAWATE, Tomoko
Asst. Prof. NOTO, Hiroyuki
Asst. Prof. SAKAUE, Hiroyuki
Asst. Prof. SHEN, Jingjie
Asst. Prof. YAJIMA, Miyuki
Specially Appointed Prof. NAGATA, Daisuke

Fusion Theory and Simulation Research Division

Prof. TODO, Yasushi (Director)
Prof. ICHIGUCHI, Katsuji
Assoc. Prof. KANNO, Ryutaro
Assoc. Prof. MIZUGUCHI, Naoki
Assoc. Prof. NAKATA, Motoki
Assoc. Prof. NUNAMI, Masanori
Assoc. Prof. SATAKE, Shinsuke
Assoc. Prof. TODA, Shinichiro
Asst. Prof. ISHIZAKI, Ryuichi

Asst. Prof. KAWAMURA, Gakushi
Asst. Prof. MATSUOKA, Seikichi
Asst. Prof. SATO, Masahiko
Asst. Prof. WANG, Hao
Asst. Prof. YAMAGISHI, Osamu
Asst. Prof. YAMAGUCHI, Hiroyuki
Proj. Asst. Pro. WANG, Jialei
Proj. Res. Staff ADULSIRISWAD, Panith
Proj. Res. Staff IDOUKASS, Malik

Fundamental Physics Simulation Research Division

Prof. SUGAMA, Hideo
Prof. MIURA, Hideaki
Prof. NAKAMURA, Hiroaki
Prof. SAKAGAMI, Hitoshi
Assoc. Prof. ITO, Atsushi M.
Assoc. Prof. OHTANI, Hiroaki
Assoc. Prof. TOIDA, Mieko

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

Rokkasho Research Center

Prof. YOKOYAMA, Masayuki
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. MURAKAMI, Izumi
Prof. YANAGI, Nagato

Research Enhancement Strategy Office

Prof. YOSHIDA, Zensho (Director)
Specially Appointed Prof. CARR, Stephen
Specially Appointed Prof. MITO, Toshiyuki
Specially Appointed Prof. YAJI Kentaro

Division of Health and Safety Promotion

Prof. SAKAKIBARA, Satoru (Division Director)

Division for Deuterium Experiments Management

Prof. OSAKABE, Masaki (Division Director)

Division of Information and Communication Systems

Prof. SAKAMOTO, Ryuichi (Division Director)

Division of External Affairs

Prof. TAKAHATA, Kazuya (Division Director)

Fusion Science Archives

Prof. MURAKAMI, Izumi (Director)

Library

Prof. MURAKAMI, Izumi (Director)

※ This list was compiled as of March 31, 2023

Visiting Researcher

KRAUS, Werner
SHARAPOV, Sergei
WENZEL, Uwe

Center of Excellence Researcher

FUJITA, Keiji
GUPTA, Shivam
WEI, Shizhao

Research Fellow (Science research)

(None)

Research Fellow (Industrial-Academic coordination)

(None)

JSPS Research Fellow

(None)

Department of Administration

NODA, Takao Department Director

General Affairs Division

ASANO, Masahiro Director
ARAI, Masanori Deputy Director
ICHIOKA, Akihiro Senior Advisor
SHIMIZU, Kazuma Chief/General Affairs Section
UESUGI, Kohtaro Chief/Planning and Evaluation Section
INAGAKI, Tomoko Chief/Employee Section
MURASE, Itaru Chief/Personnel and Payroll Section
MATSUBARA, Tomohisa Chief/Communications and Public Affairs Section

Financial Affairs Division

HIROI, Noriaki Director
OHBA, Ryo Deputy Director
HIBINO, Atsushi Chief/Financial Planning Section
KONDO, Takahiko Chief/Accounts and Properties Administration Section
FUKUOKA, Miwa Chief/Audit Section
IWASHIMA, Itsuki Chief/Procurement Section

Research Support Division

KUMAZAWA, Shuhei Director
OHKAWA, Jun Deputy Director
SUZUKI, Takayuki Chief/Research Support Section
SOGA, Shihoko Chief/International Collaboration Section
KAWAI, Sanae Chief/Graduate Student Affairs Section
OHKAWA, Jun Chief/Academic Information Section
OHKAWA, Jun Leader/Visitor Center (Additional Post)
HAYASHI, Tomomi Chief/Visitor Center

Facilities and Safety Management Division

SHIRAHIGE, Tamio Director
WAKASHIMA, Masahiro Senior Specialist
MIYATA, Kazuaki Chief/Facilities Section
IKEDA, Katsumi Chief/Equipment Section

※ This list was compiled as of March 31, 2023

APPENDIX 5. List of Publications I (NIFS Reports)

NIFS-MEMO-92

Radiation Control Office/Division of Health and Safety Promotion, National Institute for Fusion Science
Report on Administrative Work for Radiation Safety, From April 2021 to March 2022
Feb. 28, 2023

NIFS-MEMO-91

Shinzaburo Matsuda and Kazue Kimura
Shigeru Mori and Kazuhisa Mori, brothers devoted their lives to the new energy developments
Feb. 16, 2023

NIFS-MEMO-90

Department of Engineering and Technical Services, National Institute for Fusion Science
Proceedings of Symposium on Technology in Laboratories, 10–11 March 2022
May 28, 2022

※ This list was compiled as of March 31, 2023

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

1. Akiyama Y., Akazawa N., Kunitoku Y., Manabe Y., Sato F., Iwamoto A., Imagawa S., Nishijima S.
Study on irradiation effect of insulating materials for fusion superconducting magnets –interlaminar shear strength at liquid helium temperature–
Radiation Physics and Chemistry 199 110372 -2022
2. Buakham S., Sangaroon S., Ogawa K., Isobe M.
Sensitivity of Gaussian energy broadening function of MCNP pulse height spectra on CLYC7 scintillation detector
Journal of Physics: Conference Series 2431 012070 -2023
3. Chikaraishi H., Ashikawa N., Goto T., Hirano N.
Conceptual Design of Fusion Power Complex with Hydrogen Storage Function in Superconducting Magnet System
Plasma and Fusion Research 18 Regular Issue 1205001 -2023
4. Fujii K., Nunami M.
Relations among Turbulent Fluctuations, Zonal Flows, and Transport Coefficients in Time Series Data of Gyrokinetic Simulations simulations
Plasma and Fusion Research 17 Special Issue 1 2403030 -2022
5. Fujita K., Satake S.
Evaluation of impacts of driving forces on neoclassical transport with weight-splitting method
Plasma and Fusion Research 17 Regular Issue 1403065 -2022
6. Fujita S., Ito A., Miyamoto Y., Kawanishi Y., Torii K., Shimajiri Y., Nishimura A., Tokuda K., Ohnishi T., Kaneko H., Inoue T., Takekawa S., Kohno M., Ueda S., Nishimoto S., Yoneda R., Nishikawa K., Yoshida D.
Distance determination of molecular clouds in the first quadrant of the Galactic plane using deep learning: I. Method and results
Publications of the Astronomical Society of Japan 75 1 279-295 -2023
7. Funaba H., Yamada I., Yasuhara R., Uehara H., Tojo H., Yatsuka E., Lee J., Huang Y.
Fast Signal Modeling for Thomson Scattering Diagnostics and Effects on Electron Temperature Evaluation
Plasma and Fusion Research 17 Special Issue 1 2402032 -2022
8. Funaba H., Yasuhara R., Uehara H., Yamada I., Sakamoto R., Osakabe M., Den hartog D.
Electron temperature and density measurement by Thomson scattering with a high repetition rate laser of 20 kHz on LHD
Scientific Reports 12 15112 -2022
9. Garfias davalos D., Morbey M., Narushima Y., Yanagi N.
Simulation of Non-Uniform Current Distribution in Stacked HTS Tapes
Plasma and Fusion Research 17 Special Issue 1 2405066 -2022
10. Gonzalez-martin J., Du X., Heidbrink W., Zeeland M., Särkimäki K., Snicker A., Wang X., Todo Y.
Modelling the Alfvén eigenmode induced fast-ion flow measured by an imaging neutral particle analyzer
Nuclear Fusion 62 11 112003 -2022
11. Gonzalez-martin J., Garcia-Munoz M., Galdon-Quiroga J., Todo Y., Dominguez-palacios J., Dunne M., Jansen van Vuuren A., Liu Y., Sanchis L., Spong D., Suttrop W., Wang X., Willensdorfer M.
Active Control of Alfvén Eigenmodes by Externally Applied 3D Magnetic Perturbations
Physical Review Letters 130 3 035101 -2023
12. Hayashi Y., Tanaka H., Ohno N., Kajita S., Morgan T., Meiden H., Scholten J., Vernimmen J., Natsume H., Sawada K., Masuda S.
Reduction of pulsed particle load with dynamic pressure induced by transient recycled neutral flux
Plasma Physics and Controlled Fusion 64 10 105013 -2022
13. Hirano N.
Circulation Cooling Technology for Superconducting Coils
Journal of the Cryogenic Society of Japan 57 4 223-229 -2022

14. Huang J., Nakata M., Xu Y., Shimizu A., Isobe M., Okamura S., Liu H., Wang X., Zhang X., Liu H., Cheng J., Tang C.
Identification of electrostatic microinstability maps in quasi-axisymmetric stellarator
Physics of Plasmas 29 5 052505 -2022
15. Ialovega M., Bernard E., Barthe M., Bisson R., Campos A., Cabié M., Neisius T., Sakamoto R., Kreter A., Grisolia C., Angot T., Martin C.
Helium-induced morphology evolution in tungsten under thermal treatment
Nuclear Fusion 62 12 126022 -2022
16. Ida K., Kobayashi T., Yoshinuma M., Nagaoka K., Ogawa K., Tokuzawa T., Nuga H., Katoh Y.
Direct observation of mass-dependent collisionless energy transfer via Landau and transit-time damping
Communications Physics 5 228 -2022
17. Ikeda K., Tsumori K., Nakano H., Nagaoka K., Takeiri Y., Masaki S., Engrhyt R., Osakabe M.
Difference of co-extracted electron current and beam acceleration in a negative ion source with hydrogen-isotope ions
Journal of Physics: Conference Series 2244 012060 -2022
18. Imagawa S., Iwamoto A., Hamaguchi S., Shirai Y., Kawasaki R., Ohya H., Matsumoto F., Shiotsu M., Tsuda M., Nagasaki Y., Yagai T., Kobayashi H.
Design, Fabrication and Soundness Test of A Bi2223 Magnet Designed for Cooling by Liquid Hydrogen
IEEE Transactions on Applied Superconductivity 32 6 4604605 -2022
19. Ishiyama S., Sagara A., Chikaraishi H., Yanagi N.
Design Concept of Supercritical CO₂ Gas Cooled Divertors in FFHR Series Fusion Reactors
Plasma and Fusion Research 17 Regular Issue 1405103 -2022
20. Ishiyama S., Sagara A., Chikaraishi H., Yanagi N.
Up-Grade Bypass Controlled Supercritical CO₂ Gas Turbine for 0.6 GWth FFHR Series Fusion Reactors
Plasma and Fusion Research 17 Special Issue 1 2405054 -2022
21. Ito A.
Simulation for Plasma-Material Interaction on Fusion Science and Nano-technology
Oyo Buturi 92 2 94-97 -2023
22. Iwamoto A., Four A., Baudouy B.
Cryogenic thermal conductivity measurements of Yb:YAG ceramics
Plasma and Fusion Research 17 Special Issue 1 2405033 -2022
23. Kajita S., Ito A., Imano K.
Growth of fiberform nanostructures on metal surfaces by helium plasma irradiation
Journal of Applied Physics 132 18 181101 -2022
24. Kanno R., Kawamura G., Nunami M., Matsuoka S., Satake S.
Monte Carlo Solver for Partly Calculating a Solution to the Poisson Equation in Three-Dimensional Curvilinear Coordinates
Plasma and Fusion Research 17 Regular Issue 1403029 -2022
25. Kawachi Y., Sasaki M., Kosuga Y., Terasaka K., Nishizawa T., Yamada T., Kasuya N., Moon C., Inagaki S.
Spatiotemporal dynamics of high-wavenumber turbulence in a basic laboratory plasma
Scientific Reports 12 19799 -2022
26. Kawamura G., Nakata M., Suzuki Y., Hayashi Y., Sakamoto R.
Divertor leg control of a quasi-symmetry stellarator with external coils and its consequences for transport
Contributions to Plasma Physics 62 6 e202100196 -2022
27. Kawase H., Uehara H., Yasuhara R.
Preliminary Results of H₂O and D₂O Real-Time Measurement Using Mid-IR Lasers with a Wavelength of 2.9 μ m and 3.9 μ m
Plasma and Fusion Research 17 Regular Issue 1205057 -2022

28. Kawate T., Ashikawa N., Goto M., Oishi T., Kawamoto Y., Toyoda H., Shoji M., Kawamura G., Masuzaki S., Nespoli F., Gilson E., Lunsford R., Suzuki C., Nagy A., Gates D.
Experimental study on boron distribution and transport at plasma-facing components during impurity powder dropping in the Large Helical Device
Nuclear Fusion 62 12 126052 -2022
29. Kenmochi N., Ida K., Tokuzawa T., Yasuhara R., Funaba H., Uehara H., Den hartog D., Yamada I., Yoshinuma M., Takemura Y., Igami H.
Preceding propagation of turbulence pulses at avalanche events in a magnetically confined plasma
Scientific Reports 12 6979 -2022
30. Kimura K., Matsuura H., Itoh C., Kawamoto Y., Oishi T., Goto M., Ogawa K., Nishitani T., Isobe M., Osakabe M.
Study on Fast Deuteron Diagnostics Method Using Fast ^3He Visible Spectra in the Large Helical Device Deuterium Plasma
Plasma and Fusion Research 18 Regular Issue 1403002 -2023
31. Kinoshita T., Tanaka K., Takemura Y., Takeshida S., Sakai H.
Development of Two-Color Laser Imaging Interferometer Using CO_2 Laser and Quantum Cascade Laser in the Large Helical Device
Plasma and Fusion Research 17 Regular Issue 1402107 -2022
32. Kitagawa Y., Mori Y., Ishii K., Hanayama R., Okihara S., Arikawa Y., Abe Y., Miura E., Ozaki T., Komeda O., Suto H., Umetani Y., Sunahara A., Johzaki T., Sakagami H., Iwamoto A., Sentoku Y., Nakajima N., Sakata S., Matsuo K., Mirfayzi R., Kawanaka J., Fujiokua S., Tsubakimoto K., Shigemori K., Yamanoi K., Yogo A., Nakao A., Asano M., Shiraga H., Motohiro T., Hioki T., Azuma H.
Direct fast heating efficiency of a counter-imploded core plasma employing a laser for fast ignition experiments (LFEX)
Nuclear Fusion 62 9 096013 -2022
33. Kobayashi M., Ohdachi S., Xu Y., Li W., Shimizu A., Cheng J.
Gas puff imaging system for edge plasma fluctuation measurements in Large Helical Device
Review of Scientific Instruments 93 9 093513 -2022
34. Kobayashi M., Seki R., Hayashi Y., Oishi T., Tanaka K., Takemura Y., Ida K., Kinoshita T., Mukai K., Morita S., Masuzaki S.
Confinement improvement during detached phase with RMP application in deuterium plasmas of LHD
Nuclear Fusion 62 5 056006 -2022
35. Kobayashi M., Yoshihashi S., Yamanishi H., Sangaroon S., Ogawa K., Isobe M., Uritani A., Osakabe M.
Thermal Neutron Measurement Capability of a Single Crystal CVD Diamond Detector near the Reactor Core Region of UTR-KINKI
Plasma and Fusion Research 17 Special Issue 1 2405045 -2022
36. Kobayashi T., Sasaki M., Ido T., Kamiya K., Miura Y., Ida K., Itoh K.
Behavior of geodesic acoustic mode and limit-cycle oscillation approaching L-H transition in JFT-2M tokamak
Plasma Physics and Controlled Fusion 64 11 114002 -2022
37. Kobayashi T., Shimizu A., Nishiura M., Ido T., Tokuzawa T., Tsujimura T., Nagaoka K., Ida K.
Hydrogen isotope effect on self-organized electron internal transport barrier criticality and role of radial electric field in toroidal plasmas
Scientific Reports 12 5507 5507 -2022
38. Kobayashi T., Yan Z., McKee G., Austin M., Grierson B., Gohil P.
Prompt core confinement improvement across the L–H transition in DIII-D: Profile stiffness, turbulence dynamics, and isotope effect
Physics of Plasmas 30 3 032301 -2023
39. Koga M., Uchino S., Maeda E., Yamanoi K., Iwamoto A.
Behavior of Gas Injected Fast Ignition Targets
Plasma and Fusion Research 17 Special Issue 1 2404052 -2022
40. Kotani T., Toida M., Moritaka T., Taguchi S.
Harmonic Structure of Lower Hybrid Waves Driven by Energetic Ions at 4000 km Altitude: PIC Simulation
Geophysical Research Letters 50 5 e20222GL102356 -2023

41. Kovtun Y., Moiseenko V., Lozin A., Pavlichenko O., Shapoval A., Grigor'eva L., Baron D., Kozulya M., Maznichenko S., Korovin V., Kramskoy E., Zamanov M., Siusko Y., Krasiuk A., Romanov V., Garkusha I., Wauters T., Alonso A., Brakel R., Dinklage A., Hartmann D., Kazakov Y., Laqua H., Lazerson S., Ongena J., Thomsen H., Fuchert G., Stange T., Kamio S.
ICRF Plasma Production with the W7-X Like Antenna in the Uragan-2M Stellarator
Plasma and Fusion Research 17 Special Issue 1 2402034 -2022
42. Kuwata H., Akata N., Okada K., Tanaka M., Tazoe H., Kurita N., Otashiro N., Negami R., Suzuki T., Tamakuma Y., Shiroma Y., Hosoda M.
Monthly Precipitation Collected at Hirosaki, Japan: Its Tritium Concentration and Chemical and Stable Isotope Compositions
Atmosphere 13 5 848 -2022
43. Li E., Uehara H., Tokita S., Yao W., Yasuhara R.
A hybrid quantum cascade laser/Fe:ZnSe amplifier system for power scaling of CW lasers at 4.0–4.6 μm
Optics and Laser Technology 157 108783 -2023
44. Li E., Yao W., Uehara H., Yasuhara R.
Cryogenically cooled 2.8 μm Er:YAP laser with watt-level output power
Applied Physics Express 15 9 092003 -2022
45. Li H., Zhang X., Xu Y., Lei G., Tsumori K., Isobe M., Shimizu A., Cui Z., Zhu Y., Hu J., Ni Y., Geng S., Liu H., Wang X., Huang J., Liu H., Cheng J., Tang C.
Theoretical calculation of cesium deposition and co-deposition with electronegative elements on the plasma grid in negative ion sources
Nuclear Materials and Energy 34 101334 -2023
46. Liu H., Zhang J., Xu Y., Shimizu A., Cooper W., Okamura S., Isobe M., Wang X., Huang J., Cheng J.
Effects of bootstrap current on magnetic configuration in Chinese first quasi-axisymmetric stellarator
Nuclear Fusion 63 2 026018 -2023
47. Maekaku K., Yoshida Z.
Hierarchical foliation of one-dimensional Vlasov-Poisson system
Physics of Plasmas 29 8 082303 -2022
48. Maeyama S., Watanabe T., Nakata M., Nunami M., Asahi Y., Ishizawa A.
Multi-scale turbulence simulation suggesting improvement of electron heated plasma confinement
Nature Communications 13 3166 -2022
49. Magee R., Ogawa K., Tajima T., Allfrey I., Gota H., Mccarroll P., Ohdachi S., Isobe M., Kamio S., Klumper V., Nuga H., Shoji M., Ziaei S., Binderbauer M., Osakabe M.
First measurements of p11B fusion in a magnetically confined plasma
Nature Communications 14 955 -2023
50. Matsuura H., Kimura K., Umezaki D., Ogawa K., Isobe M., Kawamoto Y., Oishi T., Goto M., Tamura N., Osakabe M., Nishitani T., Sugiyama S.
Indirect energy transfer channel between fast ions via nuclear elastic scattering observed on the large helical device
Physics of Plasmas 29 9 092502 -2022
51. Minagawa H., Yoshimura S., Terasaka K., Aramaki M.
Analysis of Azimuthal Doppler Shift of Anisotropically Absorbed Laguerre-Gaussian Beam Propagating in Transverse Flow
Plasma and Fusion Research 17 Regular Issue 1401099 -2022
52. Miyazawa T., Saito H., Hishinuma Y., Nagasaka T., Muroga T., Shen J., Okuno Y., Yu H., Kasada R., Hasegawa A.
Effect on impact properties of adding tantalum to V-4Cr-4Ti ternary vanadium alloy
Nuclear Materials and Energy 31 101198 -2022
53. Morace A., Abe Y., Honrubia J., Iwata N., Arikawa Y., Nakata Y., Johzaki T., Yogo A., Sentoku Y., Mima K., Ma T., Mariscal D., Sakagami H., Norimatsu T., Tsubakimoto K., Kawanaka J., Tokita S., Miyanaga N., Shiraga H., Sakawa Y., Nakai M., Azechi H., Fujioka S., Kodama R.
Super-strong magnetic field-dominated ion beam dynamics in focusing plasma devices
Scientific Reports 12 6876 -2022

54. Mori T., Nishiura M., Kenmochi N., Ueda K., Nakazawa T., Yoshida Z.
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