

APPENDIX 5. List of Publications I (NIFS Series)

- NIFS-886 Osamu Motojima and Nagato Yanagi
Feasibility of Artificial Geomagnetic Field Generation by a Superconducting Ring Network
May 2008
- NIFS-887 Young-Dae Jung and Daiji Kato
Pair Annihilation Effects on Surface Ion Cyclotron Wave in Semi-bounded Electron-positron-ion Plasmas
Aug. 2008
- NIFS-888 A. Komori, H. Yamada, O. Kaneko, K. Kawahata, T. Mutoh, N. Ohyabu, S. Imagawa, K. Ida, Y. Nagayama, T. Shimozuma, K. Y. Watanabe, T. Mito, M. Kobayashi, K. Nagaoka, R. Sakamoto, N. Yoshida, S. Ohdachi, S. Sakakibara, N. Ashikawa, Y. Feng, T. Fukuda, H. Igami, S. Inagaki, H. Kasahara, S. Kubo, R. Kumazawa, O. Mitarai, S. Murakami, Y. Nakamura, M. Nishiura, T. Hino, S. Masuzaki, K. Tanaka, K. Toi, A. Weller, M. Yoshinuma, Y. Narushima, N. Ohno, T. Okamura, N. Tamura, K. Saito, T. Seki, S. Sudo, H. Tanaka, T. Tokuzawa, N. Yanagi, M. Yokoyama, Y. Yoshimura, T. Akiyama, H. Chikaraishi, M. Chowdhuri, M. Emoto, N. Ezumi, H. Funaba, L. Garcia, P. Goncharov, M. Goto, K. Ichiguchi, M. Ichimura, H. Idei, T. Ido, S. Iio, K. Ikeda, M. Irie, A. Isayama, T. Ishigooka, M. Isobe, T. Ito, K. Itoh, A. Iwamae, S. Hamaguchi, K. Hamajima, S. Kitajima, S. Kado, D. Kato, T. Kato, S. Kobayashi, K. Kondo, S. Masamune, Y. Matsumoto, N. Matsunami, T. Minami, C. Michael, H. Miura, J. Miyazawa, N. Mizuguchi, T. Morisaki, S. Morita, G. Motojima, I. Murakami, S. Muto, K. Nagasaki, N. Nakajima, Y. Nakamura, H. Nakanishi, H. Nakano, K. Narihara, A. Nishimura, H. Nishimura, K. Nishimura, S. Nishimura, N. Nishino, T. Notake, T. Obana, K. Ogawa, Y. Oka, T. Ohishi, H. Okada, K. Okuno, K. Ono, M. Osakabe, T. Osako, T. Ozaki, B.J. Peterson, H. Sakaue, M. Sasao, S. Satake, K. Sato, M. Sato, A. Shimizu, M. Shiratani, M. Shoji, H. Sugama, C. Suzuki, Y. Suzuki, K. Takahata, H. Takahashi, Y. Takase, Y. Takeiri, H. Takenaga, S. Toda, Y. Todo, M. Tokitani, H. Tsuchiya, K. Tsumori, H. Urano, E. Veshchev, F. Watanabe, T. Watanabe, T. H. Watanabe, I. Yamada, S. Yamada, O. Yamagishi, S. Yamaguchi, S. Yoshimura, T. Yoshinaga, O. Motojima
Development of Net-Current Free Heliotron Plasmas in the Large Helical Device
Oct. 2008
- NIFS-889 R. Sakamoto, M. Kobayashi, J. Miyazawa, S. Ohdachi, T. Morisaki, S. Masuzaki, I. Yamada, M. Goto, K. Ida, S. Morita, S. Sakakibara, K. Tanaka, K.Y. Watanabe, Y. Suzuki, H. Funaba, N. Ashikawa, Y. Nagayama, Y. Narushima, B.J. Peterson, M. Shoji, C. Suzuki, M. Tokitani, S. Yoshimura, N. Ohyabu, H. Yamada, A. Komori, O. Motojima and LHD experimental group
High Density High Performance Plasma with Internal Diffusion Barrier in Large Helical Device
Oct. 2008
- NIFS-890 S. Ohdachi, K. Y. Watanabe, S. Sakakibara, H. Yamada, Y. Narushima,, H. Funaba, Y. Suzuki, K. Toi, I. Yamada, T. Minami, K. Narihara, K. Tanaka, T. Tokuzawa, K. Kawahata, A. Komori and the LHD Experimental Group
Two approaches to the reactor-relevant high-beta plasmas with profile control in the Large Helical Device
Oct. 2008
- NIFS-891 K. Nagaoka, M. Yokoyama, Y. Takeiri, K. Ida, M. Yoshinuma, S. Matsuoka, S. Morita, K. Tanaka, H. Funaba, K. Ikeda, M. Osakabe, T. Mutoh, T. Seki, K. Tsumori, Y. Oka, O. Kaneko and LHD experimental group
Characteristics of High-Ion-Temperature Plasmas Heated by Neutral Beams in the Large Helical Device
Oct. 2008
- NIFS-892 K. Ida, Y. Sakamoto, M. Yoshinuma, H. Takenaga, K. Nagaoka, N. Oyama, M. Osakabe, M. Yokoyama, H. Funaba, N. Tamura, K. Tanaka, Y. Takeiri, K. Ikeda, K. Tsumori, Y. Oka, O. Kaneko, K.Itoh, S.Inagaki, T.Kobuchi, A. Isayama, T. Suzuki, T. Fujita, G. Matsunaga, K. Shinohara, Y. Koide, M. Yoshida, S. Ide, Y. Kamada, LHD experimental group and the JT-60 team
Dynamics of ion internal transport barrier in LHD heliotron and JT-60U tokamak plasmas
Oct. 2008

NIFS-893	M. Kobayashi, Y. Feng, S. Morita, M.B. Chowdhuri, S. Masuzaki, M. Goto, N. Ohyabu, T. Morisaki, H. Yamada, I. Yamada, K. Narihara, A. Komori, O. Motojima and the LHD experimental group Study on impurity screening in stochastic magnetic boundary of the Large Helical Device Oct. 2008
NIFS-894	T. Minami, S. Okamura, C. Suzuki, K. Matsuo, T. Oishi, T. Akiyama, M. Isobe, K. Ida, H. Nakano, A. Fujisawa, K. Nagaoka, M. Yoshinuma, Y. Yoshimura, K. Toi, S. Ohshima, M. Takeuchi, H. Iguchi, S. Nishimura, A. Shimizu, K. Matsuoka and C. Takahashi Simultaneous Realization of High Density Edge Transport Barrier and Improved L-mode on CHS Oct. 2008
NIFS-895	N Ashikawa, Y. Tomita, S. Masuzaki, A. Sagara, G. Kawamura, K. Nishimura, N. Ohno and LHD experimental group Characterization of heated dust particles using infrared and dynamic images in LHD Oct. 2008
NIFS-896	T. Hino, T. Hirata, N. Ashikawa, S. Masusaki, Y. Yamauchi, Y. Nobuta, N. Ohyabu, A. Sagara, N. Noda, A. Komori, O. Motojima and LHD Experimental Group Hydrogen Concentration of Co-deposited Carbon Films Produced in the Vicinity of Local Island Divertor in Large Helical Device Oct. 2008
NIFS-897	S. Masuzaki, M. Shoji, M. Kobayashi, R. Sakamoto, T. Morisaki, M. Tokitani, H. Yonezu, T. Murase, N. Ohyabu, H. Yamada, A. Komori, O. Motojima and the LHD experimental group Advanced Divertor Scenario in the Large Helical Device Oct. 2008
NIFS-898	M. Yoshinuma, K. Ida, M. Yokoyama, K. Nagaoka, M. Osakabe and the LHD Experimental Group Observations of Spontaneous Toroidal Flow on LHD Oct. 2008
NIFS-899	K. Tanaka, H. Takenaga, K. Muraoka, C. Michael, L. N. Vyacheslavov, M. Yokoyama, H. Yamada, N. Oyama, H. Urano, Y. Kamada, S. Murakami, A. Wakasa, T. Tokuzawa, T. Akiyama, K. Kawahata, M. Yoshinuma, K. Ida, I. Yamada, K. Narihara, N. Tamura and the LHD experimental group Experimental Investigation of Particle Pinch Associated with Turbulence in LHD Heliotron and JT-60U Tokamak Plasmas Oct. 2008
NIFS-900	S. Inagaki, N. Tamura, T. Tokuzawa, K. Ida, T. Shimozuma, S. Kubo, Y. Nagayama, K. Kawahata, S. Sudo, A. Komori, K. Itoh, S.-I. Itoh and LHD Experimental Group Radial Interaction in Dynamic Heat Transport of LHD Plasmas Oct. 2008
NIFS-901	T. Fukuda, N. Tamura, K. Ida, C. Michael, K. Tanaka, L. N. Vyacheslavov, M. Yoshinuma, T. Kobuchi, K. Y. Watanabe, H. Funaba, H. Igami, K. Itoh, T. Ido, S. Inagaki, T. Oishi, T. Kato, S. Kado, S. Kubo, M. Goto, R. Sakamoto, S. Satake, A. Shimizu, T. Shimozuma, C. Suzuki, S. Sudo, Y. Takeiri, K. Toi, T. Tokuzawa, H. Nakano, K. Narihara, S. Nishimura, T. Notake, T. Minami, S. Muto, S. Morita, Y. Liu, R. Pavlichenco, H. Yamada, I. Yamada, M. Yokoyama, K. Kawahata, A. Komori, the LHD experimental group Impact of Magnetic Shear Modification on Confinement and Turbulent Fluctuations in LHD Plasmas Oct. 2008
NIFS-902	T. Yoshinaga, K. Hanada, H. Zushi, K. Nakamura, K. N. Sato, H. Idei, M. Sakamoto, M. Hasegawa, T. Morisaki, Y. Nakashima, N. Nishino, Y. Takase, T. Maekawa, Y. Kishimoto, O. Mitarai, N. Yoshida, K. Tokunaga, Y. Hirooka, Y. Higashizono, S. Kawasaki, H. Nakashima, A. Higashijima, R. Bhattacharyay, S. Kawano, S. Kawakami, T. Kikukawa, K. Dono, M. Ishiguro, H. Honma, T. Miyazaki, T. Ryokai, T. Sakimura, Y. Inada, S. Watanabe and Y. Wataya Physics Study of EC-Excited Current Generation via Current Jump in the Compact Plasma-Wall-Interaction Experimental Device Oct. 2008

NIFS-903	H. Igami, Y. Yoshimura, S. Kubo, T. Shimozuma, H. Takahashi, T. Akiyama, C. Takahashi, K. Nagaoka, T. Minami, K. Matsuoka, S. Okamura, H. Tanaka, K. Nagasaki, S. Inagaki, T. Mutoh, A. Komori, the LHD experimental group and the CHS experimental group Electron Bernstein wave heating via the slow X-B mode conversion process with direct launching from the high field side in LHD Oct. 2008
NIFS-904	S. Kubo, T. Shimozuma, Y. Yoshimura, H. Igami, T. Notake, H. Takahashi, T. Mutoh, H. Tanaka, S. Inagaki 4), K. Tanaka, Y. Nagayama, I. Yamada, K. Narihara, S. Sakakibara, S. Muto, T. Tokuzawa, K. Ida, T. Ido, A. Shimizu, K.Y. Watanabe, K. Kawahata, N. Ohyabu, O. Kaneko, H. Yamada, A. Komori, S. Sudo, O. Motojima and LHD experimental group Profile control by local ECRH in LHD Oct. 2008
NIFS-905	Y. Nakamura, K. Y. Watanabe, K. Kawaoto, K. Ida, Y. Narushima, M. Yoshinuma, S. Sakakibara, I. Yamada, T. Tokuzawa, M. Goto, K. Tanaka, N. Nakajima, K. Kawahata and LHD experimental group Time Evolution of the Bootstrap Current Profile in LHD Plasmas Oct. 2008
NIFS-906	R. Kumazawa, T. Mutoh, K. Saito, T. Seki, H. Kasahara, S. Masuzaki, N. Ashikawa, M. Tokitani, N. Tamura, Y. Nakamura, S. Kubo, T. Shimozuma, Y. Yoshimura, H. Igami, H. Takahashi, Y. Takeiri, K. Tsumori, M. Osakabe, K. Ikeda, K. Nagaoka, O. Kaneko, M. Goto, K. Sato, H. Chikaraishi, Y. Zhao, J.G. Kwak, J.S. Yoon, H. Yamada, K. Kawahata, N. Ohyabu, K. Ida, Y. Nagayama, A. Komori, S. Sudo, O. Motojima and LHD experiment group Progress towards RF Heated Steady-State Plasma Operations on LHD by Employing ICRF Heating Methods and Improved Divertor Plates Oct. 2008
NIFS-907	H. Kasahara, K. Saito, T. Seki, R. Kumazawa, S. Kubo, T. Shimozuma, H. Igami, Y. Yoshimura, H. Takahashi, T. Mutoh, T. Oosako, Y. Takase, M. Ichimura, M. Osakabe, S. Ohdachi, M. Nishiura, K. Ida, T. Tokuzawa, I. Yamada, K. Narihara, S. Morita, H. Yamada, A. Komori, S. Sudo, O. Motojima and the LHD experimental group High harmonic fast wave heating and beam driven ion cyclotron emission behavior in the LHD Oct. 2008
NIFS-908	A. Fujisawa, S. Ohshima A. Shimizu, H. Nakano, H. Iguchi, K. Itoh, S. Okamura, K. Matsuoka, T. Minami, Y. Yoshimura, K. Nagaoka, C. Takahashi, S. Nishimura, M. Isobe, C. Suzuki, T. Akiyama, CHS group Oscillatory Zonal Flows Driven by Interaction between Energetic Ions and Fishbone-like Instability in CHS Oct. 2008
NIFS-909	S. Murakami, M. Osakabe, K. Ida, M. Yoshinuma, T. Ozaki, T. Tokuzawa, M. Isobe, M. Nishiura, P. Goncharov, E.A. Veshchev, Y. Takeiri, Y. Oka, K. Tsumori, K. Ikeda, K. Nagaoka, K. Saito, T. Seki, R. Kumazawa, H. Kasahara, T. Mutoh, O. Kaneko, A. Komori and the LHD experimental group Radial Profile and Confinement of Energetic Particles during NBI and ICRF Heating in LHD Oct. 2008
NIFS-910	K. Toi, F. Watanabe, T. Tokuzawa, K. Ida, S. Morita, T. Ido, A. Shimizu, M. Isobe, K. Ogawa, D. Spong, Y. Todo, T. Watari, S. Ohdachi, S. Sakakibara, S. Yamamoto, S. Inagaki, K. Narihara, M. Osakabe, K. Nagaoka, Y. Narushima, K.W. Watanabe, H. Funaba, M. Goto, K. Ikeda, T. Ito, O. Kaneko, S. Kubo, T. Minami, J. Miyazawa, Y. Nagayama, M. Nishiura, Y. Oka, R. Sakamoto, T. Shimozuma, Y. Takeiri, K. Tanaka, K. Tsumori, I. Yamada, M. Yoshinuma, K. Kawahata, A. Komori and LHD Experimental Group Alfvén Eigenmodes and Geodesic Acoustic Modes Driven by Energetic Ions in an LHD Plasma with Non-monotonic Rotational Transform Profile Oct. 2008
NIFS-911	M. Nishiura, M. Isobe, S. Yamamoto, T. Tokuzawa, T. Mutoh, H. Funaba, K. Saito, T. Seki, S. Murakami, M. Osakabe, F. Watanabe, K. Toi, T. Ido, T. Nagasaka, K. Fujioka, Y. Fujimoto, M. Nakatsuka, T. Hirouchi, M. Sasao, LHD experimental group Fast-ion transport during repetitive burst phenomena of Toroidal Alfvén Eigenmodes in the Large Helical Device Oct. 2008
NIFS-912	S. Toda, K. Itoh, and N. Ohyabu Theoretical Modelling of Transport Barriers in Helical Plasmas Oct. 2008

NIFS-913	A. Ito, Y. Wang, S. Irle, K. Morokuma, and H. Nakamura Molecular Dynamics Simulation of Chemical Sputtering of Hydrogen Atom on Layer Structured Graphite Oct. 2008
NIFS-914	Y. Todo, N. Nakajima, M. Osakabe, S. Yamamoto, D.A. Spong Simulation Study of Interaction between Energetic Ions and Alfvén Eigenmodes in LHD Oct. 2008
NIFS-915	A. Ishizawa and N. Nakajima Transport due to Electromagnetic Turbulence in Externally Heated Plasma Oct. 2008
NIFS-916	T.-H.Watanabe, H.Sugama and S. Ferrando-Margaret Regulation of Turbulent Transport in Neoclassically Optimized Helical Configurations with Radial Electric Fields Oct. 2008
NIFS-917	H. Miura and N. Nakajima MHD Simulation of High Wavenumber Ballooning-like Modes in LHD Oct. 2008
NIFS-918	N. Mizuguchi, Y. Suzuki, N. Ohyabu Nonlinear Dynamics of Collapse Phenomena in Heliotron Plasma with Large Pressure Gradient Oct. 2008
NIFS-919	M. Sato, K.Y.Watanabe, Y.Nakamura, A.Fukuyama, S.Murakami, S.Toda, M.Yokoyama, H. Funaba, S.Sakakibara, S.Ohdachi, H.Yamada, N.Nakajima Study of MHD stability beta limit in LHD by hierarchy integrated simulation code Oct. 2008
NIFS-920	Y. Suzuki, K. Y. Watanabe, S. Sakakibara, N. Nakajima, N. Ohyabu Theoretical studies of equilibrium beta limit in heliotron plasmas Oct. 2008
NIFS-921	T. Goto, Y. Ogawa, R. Hiwatari, Y. Asaoka, K. Okano, Y. Someya, A. Sunahara, T. Johzaki Conceptual Design of a Fast-Ignition Laser Fusion Reactor FALCON-D Oct. 2008
NIFS-922	H. Sakagami, T. Nakamura, T. Johzaki, H. Nagatomo, Y. Nakao, T. Taguchi, K. Mima Integrated Simulations and Respective Simulation Modeling for FIREX-I Oct. 2008
NIFS-923	N. Yoshida, Y. Ohtawa, A. Ebihara, T.Akiyama, M. Tokitani, N. Ashikawa, K. Kawahata Reflectivity Reduction of Retro-Reflector Installed in LHD due to Plasma Surface Interaction Oct. 2008
NIFS-924	T. Muroga, T. Nagasaka, M. Kondo, A. Sagara, N. Noda, A. Suzuki, T. Terai Compatibility of Reduced Activation Ferritic/Martensitic Steels with Liquid Breeders Oct. 2008
NIFS-925	T. Nagasaka, M. Kondo, T. Muroga, N. Noda, A. Sagara, O. Motojima, A. Suzuki, T. Terai Progress in Flibe Corrosion Study toward Material Research Loop and Advanced Liquid Breeder Blanket Oct. 2008
NIFS-926	S. Imagawa, K. Takahata, H. Tamura, N. Yanagi, T. Mito, T. Obana and A. Sagara Concept of Magnet Systems for LHD-type Reactor Oct. 2008
NIFS-927	Y. Kozaki, S. Imagawa, A. Sagara Design Windows and Cost Analysis on Helical Reactor Oct. 2008
NIFS-928	O. Mitarai, A. Sagara, N. Ashikawa, R. Sakamoto, M. Yoshinuma, M. Goto, T. Morisaki, T. Masuzaki, K. Ida, S. Morita, M. Osakabe, K. Tanaka, K. Nagaoka, N. Ohyabu, A. Komori, and O. Motojima The low temperature and high density ignition in the helical reactor FFHR2m based on LHD experiments Oct. 2008

NIFS-929	H. Azechi, K. Mima, Y. Fujimoto, S. Fujioka, H. Homma, T. Jitsuno, T. Johzaki, M. Koga, J., Kawanaka, N. Miyanaga, M. Murakami, H. Nagatomo, K. Nagai, M. Nakai, T. Nakamura, K., Nishihara, H. Nishimura, T. Norimatsu, K. Shigemori, H. Shiraga, K. Tsubakimoto, A. Iwamoto, T. Mito, H. Sakagami, M. Isobe, T. Ozaki, O. Motojima, R. Kodama, K. Kondo, K.A. Tanaka, Y. Nakao, Y. Sentoku, A. Sunahara, T. Taguchi Plasma Physics Study and Laser Development for the Fast Ignition Realization Experiment (FIREX) Project Oct. 2008
NIFS-930	H. Zushi, Y. Hirooka, R. Bhattacharyay, M. Sakamoto, Y. Nakashima, T. Yoshinaga, Y. Higashizono, K. Hanada, N. Nishino, N. Yoshida, K. Tokunaga, S. Kado, T. Shikama, Kawasaki, K. Okamoto, T. Miyazaki, H. Honma, K. N. Sato, K. Nakamura, H. Idei, M. Hasegawa, H. Nakashima, A. Higashijima Active Particle Control Experiments and Critical Particle Flux Discriminating between the Wall Pumping and Fueling in the Compact Plasma Wall Interaction Device CPD Spherical Tokamak Oct. 2008
NIFS-931	N. Fukumoto, K. Hanada, S. Kawakami, S. Honma, M. Nagata, N. Nishino, H. Zushi, K. Sato, K. Nakamura, H. Idei, M. Sakamoto, M. Hasegawa, S. Kawasaki, H. Nakashima, A. Higashijima, R. Bhattacharyay, K. Okamoto, Y. Kikuchi Investigation of compact toroid penetration for fuelling spherical tokamak plasmas on CPD Oct. 2008
NIFS-932	S. Kobayashi, T. Mizuuchi, K. Nagasaki, H. Okada, K. Kondo, S. Yamamoto, S. Murakami, D. Katayama, Y. Suzuki, T. Minami, K. Nagaoka, Y. Takeiri, K. Murai, Y. Nakamura, M. Yokoyama, K. Hanatani, G. Motojima, K. Hosaka, K. Toushi, F. Sano Effect of Bumpy Magnetic Field on Energy Confinement in NBI Plasmas of Heliotron J Oct. 2008
NIFS-933	K. Nagasaki, G. Motojima, S. Kobayashi, S. Yamamoto, T. Mizuuchi, H. Okada, K. Hanatani, S. Konoshima, K. Masuda, K. Kondo, Y. Nakamura, S. Watanabe, K. Mukai, K. Hosaka, K. Kowada, S. Mihara, Y. Yoshimura, Y. Suzuki, A. Fernández, A. Cappa, F. Sano Effect of Magnetic Field Ripple on ECCD in Heliotron J Oct. 2008
NIFS-934	H. Okada, S. Kobayashi, H. Takahashi, S. Mihara, D. Katayama, T. Mutoh, T. Mizuuchi, K. Nagasaki, Y. Nakamura, S. Yamamoto, H. Arimoto, G. Motojima, S. Watanabe, K. Mukai, H. Matsuo, Y. Kowada, K. Hosaka, S. Konoshima, K. Hanatani, K. Kondo and F. Sano Velocity Distribution of Fast Ions Generated by ICRF Heating in Heliotron J Oct. 2008
NIFS-935	H. Shiraga, J. Zhong, M. Koga, H. Nishimura, S. Fujioka, M. Tanabe, H. Azechi, T. Watari, H. Hosoda, K. Takeda, K. Otani, M. Nakai, K. Nagai, T. Norimatsu, N. Miyanaga, H. Nagatomo, T. Johzaki, K. Mima, A. Iwamoto, T. Mito, M. Isobe, and T. Ozaki Implosion and Heating Experiments of Fast Ignition Targets for FIREX-1 Project Oct. 2008
NIFS-936	M. Chen, Y. Kishimoto, J. Li, D. Saitou Theory and simulation of non-local thermal smoothing for arbitrary scale length modulation Oct. 2008
NIFS-937	J. Kawanaka, N. Miyanaga, K. Tsubakimoto, T. Jitsuno, M. Nakatsuka, Y. Izawa, R. Yasuhara, T. Kawashima “GENBU”-Laser Development with Cryogenic Yb:YAG Ceramic for Fusion Energy Reactor Driver Oct. 2008
NIFS-938	M. Murakami, H. Azechi, H. Nagatomo, T. Kadono, K. Shigemori, Y. Hironaka, T. Watari, K. Takeda, T. Norimatsu, H. Shiraga, K. Mima, S. Obenschain, M. Karasik, J. Bates, D. Colombant, Y. Aglitskiy, A. Velikovich, A. Schmitt, J. Sethian Quest for Impact Fast Ignition Oct. 2008
NIFS-939	Keiji Nagai, H. Yang, A. Iwamoto, M. Nakai, H. Homma, H. Shiraga, H. Azechi, K. A. Tanaka, R. Kodama, T. Norimatsu, and K. Mima Encapsulation of low density plastic foam materials for the fast ignition realization experiment (FIREX) –control of microstructure and density– Oct. 2008

- NIFS-940 H. Nagatomo, T. Johzaki, H. Sakagami Y. Sentoku, A. Sunahara, T. Taguchi, Y. Nakao, H. Shiraga, H. Azechi, K. Mima
Numerical Study of Advanced Target Design for FIREX-I
Oct. 2008
- NIFS-941 T. Norimatsu, T. Oshige, Y. Shimada, H. Furukawa, T. Kunugi, H. Nakajima, Y. Kajimura, and K. Mima,
Elemental researches on the critical issue of laser fusion reactor KOYO-F - Formation of aerosols, protection of beam port and flow stability -
Oct. 2008
- NIFS-942 H. Yoshida, T. Endo, R. Tsuji, K. Saruta, T. Kassai, S. Sakae, H. Hayashi, T. Kitabatake
Development of Target Injection and Tracking for IFE in Japan
Oct. 2008
- NIFS-943 T. Imai , T. Kariya , R. Minami , H. Shidara , K. Sakamoto, S. Kubo, T. Shimozuma, T. Mutoh, H. Takahashi, Y. Mitsunaka, Y. Endo , M. Harigae , M. Nakamura , Y. Sakagoshi , N. Murofushi , M. Ichimura , Y. Nakashima , M. Yoshikawa , Y. Yamaguchi and GAMMA 10 group
Development of 1MW Gyrotron and Progress of ECH System for the GAMMA 10 Tandem Mirror in Tsukuba
Oct. 2008
- NIFS-944 K.Hanada, K.N.Sato, H.Zushi, K.Nakamura, M.Sakamoto, H.Idei, M.Hasegawa, Y.Takase, O. Mitarai, T.Maekawa, Y.Kishimoto, M.Ishiguro, T.Yoshinaga, H.Igami, S.Kawasaki, H. Nakashima, A.Higashijima, Y.Higashizono, A.Ando, N.Asakura, A.Ejiri, Y.Hirooka, A.Ishida, A. Komori, M.Matsukawa, O.Motojima, Y.Ogawa, N.Ohno10), Y.Ono, M.Peng1, S.Sudo, H. Yamada, N.Yoshida, Z.Yoshida.
Physical Design of MW-class Steady-state Spherical Tokamak, QUEST
Oct. 2008
- NIFS-945 R. Burhenn, Y. Feng, K. Ida, D. Kalinina, H. Maassberg, K.J. McCarthy, S. Morita, Y. Nakamura, H. Nozato, S. Okamura, S. Sudo, C. Suzuki, N. Tamura, A. Weller, M. Yoshinuma, B. Zurro
On Impurity Handling in High Performance Stellarator/Heliotron Plasmas
Oct. 2008
- NIFS-946 A. Weller, K.Y. Watanabe, S. Sakakibara, A. Dinklage, H. Funaba, J. Geiger, J.H. Harris, S. Ohdachi, R. Preuss, Y. Suzuki, A. Werner, H. Yamada, M.C. Zarnstorff, W7-X Team, LHD Experimental Group
International Stellarator/Heliotron Database Activities on High-Beta Confinement and Operational Boundaries
Oct. 2008
- NIFS-947 Y. Feng, M. Kobayashi, F. Sardei, S. Masuzaki, J. Kisslinger, T. Morisaki, P. Grigull, H. Yamada, K. McCormick, N. Ohyabu, R. König, I. Yamada, L. Giannone, K. Narihara, U. Wenzel, S. Morita, H. Thomsen, J. Miyazawa, N. Ramasubramanian, T. Watanabe, N. Ashikawa, K. Ida, A. Komori, O. Motojima, Y. Nakamura, B.J. Peterson, K. Sato, M. Shoji, N. Tamura, M. Tokitani, the LHD experimental group
Comparative Divertor-Transport Study for Helical Devices
Oct. 2008
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