APPENDIX 4. List of Publications I (NIFS Series)

NIFS-832	N. Hatano, R. Shirasaki and H. Nakamura
	Magnetization of a Two-Dimensional Electron Gas with a Spin-orbit Interaction
	Apr. 2006
NIFS-833	M. Rajkovic and M. Skoric
	Multifractal Characterization of L- and H-mode Plasma Edge Turbulence
	June 2006
NIFS-834	O. Motojima et al
	Extended Steady-State and High-Beta Regimes of Net-Current Free Heliotron Plasmas in the Large
	Helical Device
	Oct. 2006
NIFS-835	A. Fujisawa et al.
	Experimental Progress on Zonal Flow Physics in Toroidal Plasmas
	Oct. 2006
NIFS-836	J. Miyazawa et al.
	Density Regime of Complete Detachment and Operational Density Limit in LHD
	Oct. 2006
NIFS-837	M. Yokoyama et al.
	Core Electron-Root Confinement (CERC) in Helical Plasmas
	Oct. 2006
NIFS-838	TH. Watanabe and H. Sugama
	Gyrokinectic Theory and Simulation of Zonal Flows and Turbulence in Helical Systems
	Oct. 2006
NIFS-839	S. Okamura et al.
	Progress of Confinement Physics Study in Compact Helical System
	Oct. 2006
NIFS-840	N. Tamura et al.
	Impact of Nonlocal Electron Heat Transport on the High Temperature Plasmas of LHD
	Oct. 2006
NIFS-841	S. Sakakibara et al.
	Stability in High-Beta Plasmas of LHD
	Oct. 2006
NIFS-842	N. Ohyabu et al.
	Super Dense Core Plasma due to Internal Diffusion Barrier in LHD
	Oct. 2006
NIFS-843	K. Toi et al.
	Characteristic Features of Edge Transport Barrier Formed in Helical Divertor Configuration of the
	Large Helical Device
	Oct. 2006
NIFS-844	T. Mutoh et al.
	Steady-State Operation of ICRF Heated Plasma in the Large Helical Device
	Oct. 2006
NIFS-845	S. Masuzaki et al.
	Particle Balance Study in the Large Helical Device
	Oct. 2006

NIFS-846	N. Ohno et al.
	Bursty Fluctuation Characteristics in SOL/Divertor Plasmas of Large Helical Device
	Oct. 2006
NIFS-847	M. Tokitani et al.
	Quantitative Analysis of Plasma Particles in Materials Exposed to LHD Divertor Plasmas
	Oct. 2006
NIFS-848	K. Ida et al.
	Dynamic Transport Study of the Plasmas with Transport Improvement in LHD and JT-60U
	Oct. 2006
NIFS-849	Y. Takeiri et al.
	Confinement Improvement in High-ion Temperature Plasmas Heated with High-energy
	Negative-NBI in LHD
	Oct. 2006
NIFS-850	M. Isobe et al.
	Fast Ion-Driven MHD Instabilities and Consequent Fast Ion Losses in the Compact Helical System
	Oct. 2006
NIFS-851	K. Saito et al.
	Study of High-energy Ion Tail Formation with Second Harmonic ICRF Heating and NBI in LHD
	Oct. 2006
NIFS-852	M. Yoshinuma
	Formation of Radial Electric Field Shear at Boundary of Magnetic Island in LHD
	Oct. 2006
NIFS-853	S. Kado et al.
	Dynamics of the Pedestal Structure in the Edge Transport Barrier in CHS
	Oct. 2006
NIFS-854	S. Morita et al.
	Characteristic Features of Edge Localized Mode under the Presence of Edge Ergodic Magnetic Field
	Layer in LHD
	Oct. 2006
NIFS-855	H. Yamada et al.
	Density Limit in Discharges with High Internal Inductance on JT-60U
	Oct. 2006
NIFS-856	S. Ohdachi et al.
	Two-Dimensional Structure of MHD Instabilities and their Non-Linear Evolution in the Large
	Helical Device
NUES 057	Oct. 2006
NIFS-857	N. Nakajima Thermal Difference has Stankentin Electrometric Electrotic na
	Thermal Diffusion by Stochastic Electromagnetic Fluctuations Oct. 2006
NHEO 070	S. Satake
NIFS-858	Global Simulation of the GAM Oscillation and Damping in a Drift Kinetic Model
	Oct. 2006
NIFS-859	A. Ishizawa et al.
1111 0-039	Multi-Scale-Nonlinear Interactions among Micro-turbulence, Magnetic Islands, and Zonal Flows
	Oct. 2006
NIFS-860	R. Ishizaki et al.
	MHD Simulation on Ablation Cloud in Tokamak and Heliotron
	Oct. 2006

NIFS-861	N. Kasuya and K. Itoh
	Two-dimensionally Steep Structure of the Electric Field in Tokamak H-mode
	Oct. 2006
NIFS-862	N. Mizuguchi et al.
	Nonlinear Simulation of Edge-Localized Mode in Spherical Tokamak
	Oct. 2006
NIFS-863	A. Iwamoto et al.
	Development of the Foam Cryogenic Target for the FIREX Project
	Oct. 2006
NIFS-864	S. Imagawa et al.
	Achievement of High Availability in Long-term Operation and Upgrading Plan of the LHD
	Superconducting System
	Oct. 2006
NIFS-865	O. Kaneko et al.
	High Performance Operation of Negative-Ion-Based Neutral Beam Injection System for the Large
	Helical Device
	Oct. 2006
NIFS-866	T. Tanaka et al.
	Neutronics Investigation of Advanced Self-Cooled Liquid Blanket Systems in Helical Reactor
	Oct. 2006
NIFS-867	O. Mitarai et al.
	Minimization of the External Heating Power by Long Fusion Power Rise-up Time for Self-ignition
	Access in the Helical Reactor FFHR2m
	Oct. 2006
NIFS-868	Y. Nakamura et al.
	Analysis of Net Plasma Currents in Non-Axisymmetric Plasmas
	Oct. 2006
NIFS-869	K. Itoh et al.
	Physics of Electron Internal Transport Barrier in Toroidal Helical Plasmas
	Oct. 2006
NIFS-870	H. Sugama, TH. Watanabe and W. Horton
	Collisionless Kinetic-fluid Model of Zonal Flows in Toroidal Plasmas
	Dec. 2006
NIFS-871	M. Nunami, R. Kannno, S. Satake H. Takamaru, H. Sugama and M. Okamoto
	Neoclassical Transport Analysis around An $m/n = 1/1$ Magnetic Island
	Mar. 2007
NIFS-DAT	
	Extended Incident-Angle Dependence Formula of Sputter Yield
	June 2006
NIFS-DAT	
	T. Morishita, K. Motohashi, L. Pichl, R. Suzuki, D. Kato, I. Murakami, T. Kato and
	M. Kato
	Report on Cross Section Data Compilation for electron and Ion Collisions with
	Molecules of Hydrogen, Hydrogen Isotopes, Nitrogen, Oxygen, Hydrocarbons, Water
	and Carbon Oxide
	Sep. 2006

NIFS-DATA-99	I. Skobelev, I. Murakami and T. Kato Recommended Data on Proton-Ion Collision Rate Coefficients for Fe XVII - FE XXIII Ions Jan. 2007
NIFS-MEMO-49	Y. Ogawa and K. Okano Socio-Economic Research for Innovative Energy Technologies Oct. 2006
NIFS-MEMO-50	Safety and Environmental Research Center, National Institute for Fusion Science Report on Administrative Work for Radiation Safety from April 2004 to March 2006 Nov. 2006
NIFS-MEMO-51	Edited by the SNET Task: R. Horiguchi (Chair), Kenzo Tsuda, Y. Nagayama, S. Ishiguro, T. Yamamoto, S. Takami (Network Manager) Summary Report using SNET(Network for Collaboration using Super-SINET) in the 2005 fiscal year Nov. 2006
NIFS-MEMO-52	T. Yamamoto Development of the Intramural Server for Disributing the Virus-definition-file. Feb. 2007
NIFS-MEMO-53	T. Yamamoto Development of a File Exchange System Based on the FTP Service Using Temporary Accounts Mar. 2007
NIFS-PROC-62	Edited by H. Akiyama and S. Katsuki Physics and Applications of High Energy Density Plasmas Produced by Pulsed Power Apr. 2006
NIFS-PROC-63	 K. Toi (Ed.) Proceedings of 9th IAEA Technical Meeting on"Energetic Particles in Magnetic Confinement Systems" 9 to 11 November 2005, Hida Earth Wisdom Center, Takayama, Japan Apr. 2006
NIFS-PROC-64	Ed. W. Jiang The Frontiers of Pulse Power and Particle Beam Technology June 2006
NIFS-PROC-65	H. Sanuki SOKENDAI Lecture Series "Mathematics for Physics "Maghematical Tools for Nonlinear Phenomenta (Lecture series I) June 2006
NIFS-TECH-14	T. Watanabe, M. Yoshida, S. Masuzaki, M. Emoto and Y. Nagayama How to Use the Numerical System "LHD_LINES_OF_FORCE.EXE" for the Visualization of Lines of Force in the Large Helical Device Sep. 2006