

## APPENDIX 5. List of Publications I (NIFS Series)

- NIFS-949 Young-Dae Jung and D. Kato  
Quantum Effects on the Formation of Negative Hydrogen Ion by Polarization Electron Capture in Partially Ionized Dense Hydrogen Plasmas  
May 07, 2009
- NIFS-950 Young-Dae Jung and D. Kato  
Quantum Effects on the Entanglement Fidelity in Elastic Scatterings in Strongly Coupled Semiclassical Plasmas  
May 07, 2009
- NIFS-951 Young-Dae Jung and D. Kato  
Quantum and Plasma Screening Effects on the Wannier Threshold Law for the Double-electron Ionization in Strongly Coupled Semiclassical Plasmas  
June 30, 2009
- NIFS-952 Young-Dae Jung and D. Kato  
Electron Collision Effects on the Bremsstrahlung Emission in Lorentzian Plasmas  
June 30, 2009
- NIFS-953 A. Endo, N. Hatano, H. Nakamura and R. Shirasaki  
Fundamental Relation between Longitudinal and Transverse Conductivities in the Quantum Hall System  
July 09, 2009
- NIFS-954 M. Matsuo, A. Endo, N. Hatano, H. Nakamura, R. Shirasaki, K. Sugihara  
Quantum Nernst Effect in a Bismuth Single Crystal  
July 09, 2009
- NIFS-955 H. Sugama, T.-H. Watanabe, and M. Nunami  
Linearized Model Collision Operators for Multiple Ion Species Plasmas and Gyrokinetic Entropy Balance Equations  
Aug. 04, 2009
- NIFS-956 S. Satake, Y. Idomura, H. Sugama, T.-H. Watanabe  
Benchmark Test of Drift-kinetic and Gyrokinetic Codes through Neoclassical Transport Simulations  
Sep. 08, 2009
- NIFS-957 R. Kanno, M. Nunami, S. Satake, H. Takamaru, M. Okamoto and N. Ohya  
Modelling of Ion Thermal Transport in Ergodic Region of Collisionless Toroidal Plasma  
Sep. 09, 2009
- NIFS-958 S. Saito, A. Ito and H. Nakamura  
Incident Angle Dependence of Reactions between Graphene and Hydrogen Atom by Molecular Dynamics Simulation  
Jan. 12, 2010
- NIFS-959 M. Nunami, T.-H. Watanabe and H. Sugama  
Gyrokinetic Vlasov Code Including Full Three-dimensional Geometry of Experiments  
Mar. 09, 2010
- NIFS-DATA-106 Y. Wu, Y.Y. Qi, J. Yan, J.G. Wang, Y. Li, R.J. Buenker and D. Kato  
Low Energy Electron Capture in Collisions of  $C^{3+}$  with He  
June 18, 2009
- NIFS-DATA-107 V.P. Shevelko, D. Kato, M.-Y. Song, H. Tawara, I.Yu. Tolstikhina and J.-S. Yoon  
One-electron Capture and Target Ionization in  $He^+$ -neutral-atom Collisions.  
Dec. 11, 2009
- NIFS-DATA-108 H. Kato, H. Kawahara, M. Hoshino, M.C. Garcia, S.J. Buckman, M.J. Brunger, L. Campbell, H. Cho, Y.-K. Kim, J.-S. Yoon, M.-Y. Song, D. Kato, I. Murakami, T. Kato and H. Tanaka  
Cross Sections and Oscillator Strengths for Electron-impact Excitation of Electronic States in Polyatomic Molecules  
*-Application Examples of the BEf- scaling model in Optically-allowed Transitions-*  
Dec. 14, 2009

- NIFS-MEMO-58 Radiation Control Safety Office/Safety Hygiene Protection Bureau, Safety and Environmental  
Research Center National Institute for Fusion Science  
Report on Administrative Work for Radiation Safety from April 2008 to March 2009  
Dec. 07, 2009
- NIFS-PROC-80 K. Miyamoto  
Plasma Physics for Controlled Fusion  
Jan. 12, 2010
- NIFS-PROC-81 Eds. F. Koike and C. Dong  
JSPS-CAS Core University Program Seminar Proceedings of Japan-China Joint Seminar on  
Atomic and Molecular Processes in Plasma Oct. 26 - 31, 2009, Xi'an, China  
Feb. 24, 2010
- NIFS-PROC-82 Eds. K. Kamada and T. Ozaki  
New Developments of Plasma Science with Pulsed Power Technology, Mar. 5-6, 2009, NIFS  
Mar. 17, 2010