

ITC-13 Program

Tuesday, 9 December, 2003

Plenary Talk

(Chairperson : Z. Yoshida)

- PL-1** “Drift Waves and Zonal Flow Generation”
R. Balescu

Transport I -Theory-

(Chairperson : J. Weiland)

- I-01** “ITG and ETG Turbulence : Physical Nature and Cross-Scale Coupling”
F. Jenko
- I-02** “Gyrokinetic Simulation of Tokamak Micro-Turbulence Including Kinetic Electron Effects”
Y. Idomura
- I-03** “Recent Advances in Nonlinear Gyrokinetics”
T. S. Hahm
- I-04** “Plasma Turbulent Transport and Fine-Scale Structures of Phase Space Distribution Function”
T. H. Watanabe

Poster Session I

Poster Presentation : PI-01 ~ PI-98

Wednesday, 10 December, 2003

Memorial Talk for M. N. Rosenbluth

(Chairperson : K. Nishikawa)
P. H. Diamond

Structure Formation

(Chairperson : K. Nishikawa)
I-05 “Dynamics of Large Scale Magnetic Field Generation

During Diffusive Shock Acceleration of Cosmic Rays”

P. H. Diamond

- I-06** “Transport Model with Global Flow”

M. Yagi

- I-07** “Relaxation Oscillations and Transport Barriers Dynamics in Tokamak Edge Plasmas”
S. Benkadda

Helical Plasmas

(Chairperson : A. Shishkin)

- I-08** “Quantum Chaos Theory and the Spectrum of Ideal-MHD Instabilities in Toroidal Plasmas”
R. L. Dewar
- I-09** “Growth Rates and Structures of MHD Modes in Stellarator/Heliotron”
N. Nakajima
- I-10** “Recent Results from LHD Experiment with Emphasis on Relation to Theory from Experimentalist’s View”
H. Yamada

Poster Session II

Poster Presentation : PII-01 ~ PII-97

Space and Astrophysics

(Chairperson : J. Sakai)

- I-11** “Key Issues in Plasma Astrophysics and Relevance of Fusion Research”
B. Coppi
- I-12** “Particle Acceleration Mechanisms in Magnetosonic Shock Waves”
Y. Ohsawa
- I-13** “Explosive Magnetohydrodynamic Instabilities – from Solar Physics to Edge Localized Modes”
S. C. Cowley
- O-1** “Study of Magnetic Helicity and Magnetohydrodynamic Relaxation in Solar Flare Processes”
K. Kusano

Thursday, 11 December, 2003

High Energy Particle Physics

(Chairperson : B. Coppi)

- I-14** "Relativistic Laser Plasma Research for Fast Ignition
Laser Fusion"
K. Mima
- I-15** "Energetic Ion Transport due to Alfvén Eigenmode Bursts"
Y. Todo
- I-16** "Excitation of Zonal Flows and Fluid Closure"
J. Weiland

Reconnection and ITB

(Chairperson : Ding Li)

- I-17** "Structure Formation and Accelerated Magnetic Recon-
nection in Tokamak Plasmas"
Y. Ishii
- O-2** "Intermittency in Edge Tokamak Turbulence: Theoretical
Analysis of Transport Properties"
Y. Sarazin
- O-3** "Study of Internal Transport Barrier Triggering Mechanism
in Tokamak Plasmas"
J. Q. Dong

Memorial Symposium for M. Wakatani

(Chairperson : K. Mima)

- M-1** "Reminiscences of Masahiro Wakatani"
A. Iiyoshi
- M-2** "Aspects of the Wakatani Legacy"
J. W. Van Dam
- M-3** "Contributions of M. Wakatani to the Study of MHD
Properties of Magnetically Confined Plasmas and to the
Understanding of Helical Systems"
B. A. Carreras

Friday, 12 December, 2003

Nonneutral and Basic Plasmas

(Chairperson : M. Salimullah)

- I-18** "Collisional Transport in Plasmas with Small Cyclotron
Radius: Theory and Experiment"
T. M. O'Neil
- I-19** "Plasma-Surface Interactions during Reactive Ion Etching"
S. Hamaguchi
- O-4** "Critical Contribution of Low-Density Background
Particles in the Formation of Ordered Structures in a Pure
Electron Plasma"
Y. Kiwamoto

Nonlinear Phenomena

(Chairperson : Y. Kishimoto)

- I-20** "Hamiltonian Statistical Description of Zonal-Flow
Generation"
J. A. Krommes
- I-21** "Vortical Structures in Stationary Turbulence"
F. Spineanu
- O-5** "Two-fluid Nonlinear Simulation of Self-organization of
Plasmas with Flows"
R. Numata

Transport II -Theory & Experiment-

(Chairperson : K. Ida)

- I-22** "Studies of Transport Barrier on JT-60U and JFT-2M"
Y. Miura
- O-6** "Study of Electron Heat Pulse Propagation induced by
ECRH/on-off on T-10 and LHD"
S. V. Neudatchin
- O-7** "Evolution of Large Perturbations and Anomalous
Convection in Tokamak Plasmas"
S. I. Krasheninnikov

Poster Presentations

[P-I] December 9, Tuesday, 16:00 - 18:00

- PI-01 "Study of finite-orbit-width effects on neoclassical transport in a core tokamak"
: S.Satake and M.Okamoto
- PI-02 "Radial Electric Field and the Flow in a Tokamak Plasma"
: M.Okamoto, S.Satake, and N.Nakajima
- PI-03 "Analysis of the MHD Instability Driving Mechanisms in 3D Heliotron and Quasi-Axisymmetric Systems"
: W.A.Cooper, Y.Narushima, K.Y.Watanabe, et al.
- PI-04 "Physical properties of plasma ion dynamics in various equilibria of field-reversed configuration"
: T.Takahashi, M.Ubukata, N.Iwasawa, and Y.Kondoh
- PI-05 "Transport Simulation of Internal Transport Barrier Formation Including Toroidal Plasma Rotation"
: M.Honda, A.Fukuyama, and M.Yagi
- PI-06 "Full Wave Analysis of MHD Modes Using Multi-Fluid Dielectric Tensor in an Inhomogeneous Plasmas"
: T.Akutsu and A.Fukuyama
- PI-07 "Relaxation with High-Speed Plasma Flows and Singularity Analysis in MHD Equilibrium"
: J.Shiraishi, S.Ohsaki, and Z.Yoshida
- PI-08 "Algebraic behavior of fluctuations produced by non-Hermitian property of the linearized MHD equation"
: M.Hirota and Z.Yoshida
- PI-09 "Spectroscopic Measurement to Study Two-fluid Relaxation in an Internal Coil Device Mini-RT"
: S.Yamakoshi, Y.Ogawa, J.Morikawa, et al.
- PI-10 "Formation of Radial Electric Field and Toroidal Flow of Plasmas in an Internal Coil Device Proto-RT"
: H.Saitoh, Z.Yoshida, H.Himura, et al.

- PI-11 "Characteristics of Electron Cyclotron Resonance Heating Plasmas and Experimental Plans for formation of Radial Electric Field in an Internal Coil Device Mini-RT"
: K.Ohkuni, Y.Ogawa, J.Morikawa, et al.
- PI-12 "Convective cell dynamics in universal drift wave turbulence"
: T.Saito, S.-I.Itoh, M.Yagi, et al.
- PI-13 "Stability Analysis of Neoclassical Tearing Mode"
: S.Yoshida, S.-I.Itoh, M.Yagi, and M.Azumi
- PI-14 "Current Profile Behavior during Ramping-up Phase in High Bootstrap Current Tokamak Plasmas"
: Y.Nakamura, H.Tsutsui, N.Takei, et al.
- PI-15 "ITB Formation Modeling using the ASTRA Transport Code in Reverse-Shear Plasmas"
: J.Y.Kim and S.S.Kim
- PI-16 "The Effect of Reduced Pfirsch-Schlüter Current on the Ideal MHD Stability and Alpha Particle Confinement in 2-Period Compact Configurations"
: M.Yu.Isaev, S.Okamura, and W.A.Cooper
- PI-17 "Development of a neoclassical transport database by neural network fitting in LHD"
: A.Wakasa, S.Murakami, H.Yamada, et al.
- PI-18 "Theory of the Newcomb equation and applications to MHD stability analysis of a tokamak"
: S.Tokuda and N.Aiba
- PI-19 "A model equation for ballooning modes in toroidally rotating tokamaks"
: M.Furukawa and S.Tokuda
- PI-20 "MHD stability of low-n ideal external mode in Large-Helical-Device plasma"
: Y.Narushima, K.Y.Watanabe, S.Sakakibara, et al.
- PI-21 "A simple systematic method to treat diffusion processes due to given electromagnetic fluctuations"
: N.Nakajima

PI-22	"The Effect of Non-Axisymmetry of Magnetic Configurations on Radial Electric Field Transition Properties in Helical Systems" : M.Yokoyama, K.Ida, M.Yoshinuma, et al.	PI-35	"Two-Dimensional Filamentary Magnetohydrodynamics, Current-Vortex Method" : Y.Yatsuyanagi, T.Hatori, T.Kato and T.Ebisuzaki
PI-23	"Linear local stability of electrostatic drift modes in helical systems" : O.Yamagishi, N.Nakajima, H.Sugama, and Y.Nakamura	PI-36	"Control of chaos by linear and nonlinear feedback methods" : T.Saito, S.-I.Itoh, and M.Yagi
PI-24	"HINT Computation of LHD Equilibrium with Zero Rotational Transform Surface" : R.Kanno, K.Toi, K.Y.Watanabe, et al.	PI-37	"Effect of Feedback Coil and Poloidal Rotation on Nonlinear Resistive Wall Mode in a Cylindrical Tokamak" : M.Sato and N.Nakajima
PI-25	"A New Method Constructing Magnetic Flux Coordinates" : J.Todoroki, H.Sanuki, and M.Yokoyama	PI-38	"Spectrum of the Velocity Distribution Function in the Slab Ion Temperature Gradient Driven Turbulence" : H.Sugama and T.-H.Watanabe
PI-26	"Effect of Magnetic Axis Shift on Neoclassical Transport in Helical Torus" : H.Sanuki and J.Todoroki	PI-39	"Nonlinear state of turbulence and zonal flow" : K.Itoh, K.Hallatschek, S.Toda, et al.
PI-27	"Interaction between the trapped electrons and magnetic curvature-driven drift wave in the toroidal plasmas" : A.K.Wang, H.Sanuki, J.Q.Dong, et al.	PI-40	"Statistical theory for transition and long-time sustainment of improved confinement state" : S.-I.Itoh, M.Yagi, Y.Ando, et al.
PI-28	"The effect of the aspect ratio on the external kink-ballooning instability in high- β tokamaks" : N.Aiba, S.Tokuda, T.Ishizawa, and M.Okamoto	PI-41	"Large Amplitude Relativistic Electromagnetic Solitons in Intense Laser Pulse Interaction with Underdense Plasmas" : L.Baiwen, S.Ishiguro, M.M.Skoric, and H.Takamaru
PI-29	"Analytic Solution for the Nonlinear Rayleigh-Taylor Instability" : D.Li, W.L.Zhang, W.H.Yang, and Z.W.Wu	PI-42	"Intense Reflection of a Relativistic Laser Pulse in Subcritical Plasmas" : S.Ishiguro, Lj.Nikolic, and M.M.Skoric
PI-30	"New Possibilites of Mathematical Modeling of Turbulent Transport Processes in Plasma" : N.Skvortsova, G.Batanov, A.Petrov, et al.	PI-43	"Radial and Poloidal Structure Coupled with Shear Viscosity under the Existence of a Large Flow Shear in Tokamaks" : N.Kasuya, K.Itoh, and Y.Takase
PI-31	"Turbulence spectrum and transport scaling" : M.Vlad, F.Spineanu, J.H.Misguich, et al.	PI-44	"Two-Scale Structure of Current Layer in Steady Collisionless Driven Reconnection" : A.Ishizawa, R.Horiuchi, and H.Ohtani
PI-32	"Cross-Field Electron Transport and Dynamo Effect Induced by Unstable Localized Electrostatic Waves in a Magnetized Plasma" : R.Sugaya, T.Maebara, and M.Sugawa	PI-45	"Formation of Polar Convection in a Rotating Spherical Shell" : N.Ishihara and S.Kida
PI-33	"Observation of autonomous oscillation due to a positively charged electrostatic plate immersed in a magnetized plasma" : H.Naitou, S.Shinohara, M.Yagi, and O.Fukumasa	PI-46	"Avalanche Properties in a Self-Organized Critical Transport Model" : L.Garcia and B.A.Carreras
PI-34	"Chaotic oscillations via quasi-periodicity caused by applying external modulation in ionization waves" : T.Fukuyama, R.Kozakov, H.Testrich, et al.	PI-47	"On Potentiability of $^6\text{Li}+\text{D}$ and $^6\text{Li}+\text{T}$ Reactions as a Nuclear Thermometer of D-T Fusion Plasmas" : M.Nakamura, V.T.Voronchev, and Y.Nakao

PI-48	"Magnetic Configuration in the Helical Device and Formation of the X-point in Helical Plasmas upon Injection of High Energy Particles" : M.Yakovlev, O.Motojima, S.Inagaki, et al.	PI-60 "On MHD Oscillation in high beta H-mode tokamak plasma in JFT-2M" : K.Hoshino, K.Tsuzuki, H.Kawashima, et al.
PI-49	"Parameter Requirements for D-3He Helical Reactors" : O.Mitarai, A.Sagara, S.Imagawa, et al.	PI-61 "Low m/n modes behavior of MHD plasma in LHD" : H.Miura and T.Hayashi
PI-50	"Reduction in 14MeV Neutron Generation Rate by ICRF Injection in D-3He Burning Plasmas" : H.Matsuura and Y.Nakao	PI-62 "Analysis of Pellet Ablation with Atomic Processes" : R.Ishizaki, N.Nakajima, and P.B.Parks
PI-51	"Temperature, Density, Magnetic Field and Pitch Angle Dependence of Neutral Particle Spectrum in Large Helical Device" : T.Ozaki, P.Goncharov, S.Murakami, et al.	PI-63 "Neoclassical and Anomalous Transport Analysis of Helical Reactor Plasmas" : K.Yamazaki, M.Mikhailov, S.Sakakibara, et al.
PI-52	"A Numerical Approach to the Localization of Passive Line Integrated Neutral Particle Measurements on LHD" : P.R.Goncharov, J.F.Lyon, T.Ozaki, and S.Sudo	PI-64 "MHD Equilibrium and Stability of Spherical Tokamak Plasma with Current Hole" : N.Mizuguchi and T.Hayashi
PI-53	"Theoretical modeling and application of microwave reflectometry to plasma turbulence study" : L.G.Bruskin, N.Oyama, A.Mase, et al.	PI-65 "Edge Plasma Simulations for Stellarator System with UEDGE Code" : A.Takayama, A.Yu.Pigarov, S.I.Krasheninnikov, et al.
PI-54	"Two-Dimensional Kinetic Model for Fast Electron Transport in Compressed Core Plasmas" : T.Yokota, Y.Nakao, T.Johzaki, and K.Mima	PI-66 "Configuration Effect on LH Transition in Tohoku University Heliac" : H.Takahashi, S.Kitajima, M.Yokoyama, et al.
PI-55	"Self-reversal and Sustainment of Magnetic Fields in Helicity-driven Toroidal Plasmas" : M.Nagata, T.Takamiya, K.Kawami, et al.	PI-67 "H-mode Characteristics with Hot-Cathode-Biasing in Tohoku University Heliac" : Y.Tanaka, S.Kitajima, H.Takahashi, et al.
PI-56	"Kinetic Theory for Spontaneous Magnetic Field in Laser Plasma Interaction" : Shao-ping Zhu, C.Y.Zheng, and X.T.He	PI-68 "Emittance of a fast ion generated by an intense ultra-short laser pulse on a plasma foil target" : T.Okada, T.Kitada, K.Okubo, and A.A.Andreev
PI-57	"Generation of magnetic field and high harmonics in laser-dense plasma Interaction" : C.Y.Zheng, Shao-ping Zhu, and X.T.He	PI-69 "A Model for 'He Rich Events in Solar Flares" : M.Toida and H.Okumura
PI-58	"X-ray spectroscopic measurements of energy transport in ultra-intense laser produced plasma" : Y.Inubushi, H.Nishimura, R.Matsui, et al.	PI-70 "Numerical Studies of Magnetosonic Waves in a Thermal-Equilibrium, Multi-Ion-Species Plasma" : T.Yoshiya, M.Toida, and Y.Ohsawa
PI-59	"Integrated Simulations for Fast Ignition Targets" : T.Johzaki, H.Nagatomo, K.Mima, et al.	PI-71 "Incessant Shock Acceleration of Fast Ions Enhanced by Relativistic Effects" : S.Usami and Y.Ohsawa
		PI-72 "Production of Ultrarelativistic Positrons by an Oblique Magnetosonic Shock Wave in an Electron-Positron-Ion Plasma" : H.Hasegawa and Y.Ohsawa

PI-73	"Ion-acoustic Solitons in a Weakly Relativistic Plasma with Finite Ion Temperature and Non-thermal Electrons" : Tarsem Singh Gill, Harvinder Kaur, and Nareshpal Singh Saini	PI-87	"Effect of plasma flow on the gas conductance in a simulated closed-divertor" : A.Matsubara, T.Watanabe, T.Sugimoto, et al.
PI-74	"Development of the robust MHD code" : N.Nishino	PI-88	"Bootstrap Current Coefficients in Stellarators" : S.Nishimura and H.Sugama
PI-75	"Numerical study of plasma etching processes: SiO ₂ etching by CF _x " : H.Ohta and S.Hamaguchi	PI-89	"Classical Trajectory Monte Carlo Simulations for Charge Transfer Processes" : I.Yamada
PI-76	"Plasma-Surface Interactions between Organic Polymers and N ₂ /H ₂ Plasmas" : H.Yamada and S.Hamaguchi	PI-90	"Zirconium Oxide Thin Film Preparation Using Oxygen Inductively Coupled Plasma Sputtering" : Y.Ohtsu, M.Egami, H.Fujita, and K.Yukimura
PI-77	"Improvement with High Frequency Field of Discharge Plasma by an Electron Beam" : M.Sugawa, S.Utsunomiya, T.Maebara, and R.Sugaya	PI-91	"High-Density Plasma Production in Capacitively Coupled RF Discharge by Means of Oxide Material Electrodes" : Y.Ohtsu, T.Shimazoe, and H.Fujita
PI-78	"EUV spectra from Xe ¹⁰⁺ ions" : T.Obara, D.Kato, and T.Kato	PI-92	"Cyclotron-Resonance Accelerations by a Generalized EM Wave" : K.Akimoto and H.Hojo
PI-79	"Frequency Broadening of High Harmonic Fast Wave" : T.Taniguchi, Y.Takase, A.Ejiri, et al.	PI-93	"Edge Transport Barrier in CHS measured using Beam Emission Spectroscopy" : T.Oishi, S.Kado, M.Yoshinuma, et al.
PI-80	"Experimental Observation of Radiation from Ultrahigh Intense Laser Pulse Interaction with Low Magnetized Plasma" : H.ParchamYAragh, N.Yugami, M.Aoyagi, et al.	PI-94	"Spatial structure of Molecular Assisted Recombination for the formation of the detached plasma" : H.Ogawa, K.Kumita, M.Ono, et al.
PI-81	"Behavior of Dust Particles in RF Plasma with a Ring-Shaped Antenna" : T.Misawa and H.Fujita	PI-95	"Control of H ⁻ ion density in the sheet plasma by an electron emitter" : M.Ono, K.Kumita, A.Tonegawa, et al.
PI-82	"Application of Ultrashort-Pulse Reflectometer in HYPER-I Device Plasma" : T.Kaneba, T.Tokuzawa, A.Okamoto, et al.	PI-96	"Ion radial transport due to a non-uniform electrostatic potential in a magnetic mirror" : I.Katsuma, H.Saimaru, Y.Tatematsu, et al.
PI-83	"Dust Acoustic and Dust Ion Acoustic Nonlinear Structures: Theory and Experiments" : S.I.Popel	PI-97	"Exact periodic solutions of the stationary Hasegawa-Mima equation" : F.Spineanu, M.Vlad, K.Itoh, and S.-I.Itoh
PI-84	"Soft X-ray Emission Spectra from Capillary Plasma" : P.Vrba, A.Jancarek, M.Vrbova, et al.	PI-98	"Self-focusing and Self-phase Modulation of an Elliptic Gaussian Laser Beam in Collisionless Magnetoplasma" : Nareshpal Singh Saini and Tarsem Singh Gill
PI-85	"Wave Dispersion in a Magnetized Coulomb Crystal" : G.Uchida, Uwe Konopka, and G.Morfill		
PI-86	"Reduction of Sheath Potential and Dust Ion-Acoustic Wave by Negatively Charged Dust Particles" : Y.Tomita, R.Smirnov, Yu.Chutov, et al.		

[P-II] December 10, Wednesday, 13:40 - 15:30

- PII-01 "Electron Cyclotron Radiation Studies Using the ASTRA Transport Code Coupled with the CYTRAN Routine"
: J.Dies, J.Garcia, F.Albajar, et al.
- PII-02 "Magnetic structures inside the separatrix on field-reversed configuration plasmas"
: H.Gota, T.Takahashi, and Y.Nogi
- PII-03 "Formation of field-reversed configuration plasmas using resistive metal liners"
: M.Okada, K.Fujimoto, H.Gota, et al.
- PII-04 "Neoclassical transport studies in TJ-II stellarator using Pretor code"
: J.Garcia, K.Yamazaki, J.Dies, et al.
- PII-05 "Kinetic simulation for infinitely long cylindrical high-beta plasma with field-null surface"
: T.Takahashi, K.Morohashi, N.Iwasawa, and Y.Kondoh
- PII-06 "Comparison of Empirical Transport Models with Transient Transport Experiments in LHD"
: M.Yakovlev, S.Inagaki, K.Ida, et al.
- PII-07 "Compact Torus Plasma Injector in High Repetition Rate Operation"
: S.Shimamura, J.Nitou, M.Hayakawa, and F.Oota
- PII-08 "MHD Equilibrium of Heliotron J Plasmas"
: Y.Suzuki, Y.Nakamura, K.Kondo, et al.
- PII-09 "About Possible Accumulation of Impurity Ions in the Island Region in Helical Plasma"
: A.Shishkin
- PII-10 "Conceptual Approach to Steady State Reversed field Pinch Reactor with Low Aspect Ratio"
: S.Shiina, Y.Nagamine, Y.Osanai, et al.
- PII-11 "Tokamak Error Fields, Locked Modes and Disruption"
: A.Hojabri, F.Hajakbari, and M.Borghei
- PII-12 "Suppression of Tearing Mode in an RFP with Rotating Helical Field"
: S.Masamune, T.Yamamoto, K.Ohta, and M.Iida
- PII-13 "Transport Simulation of Electron ITB Formation on LHD"
: H.Funaba, N.Ohyabu, K.Yamazaki, et al.

- PII-14 "The Effect of Bumpy Ripple and Magnetic Field Error on The Particle Transport in Quasi Axisymmetric System"
: A.Shimizu, S.Okamura, M.Isobe, et al.
- PII-15 "Fully-three Dimensional Simulation of Neutral Particle Transport in the Plasma Periphery on the Large Helical Device"
: M.Shoji, T.Morisaki, S.Masuzaki, et al.
- PII-16 "Experimental Simulation of High Temperature Plasma Transport Using Dimensionally Similar Cold Plasmas in the Compact Helical System"
: K.Toi, R.Ikeda, M.Takeuchi, et al.
- PII-17 "Effects of Current Profile on Ideal MHD Stability in a Compact Quasi-Axisymmetric Stellarator"
: C.Suzuki, S.Okamura, M.Isobe, et al.
- PII-18 "Relationships between the prediction of linear MHD stability criteria and the experiment in LHD"
: K.Y.Watanabe, Y.Narushima, S.Sakakibara, et al.
- PII-19 "Monte Carlo Simulation of Particle Transport in the LID configuration"
: R.Kanno, S.Jimbo, H.Takamaru, and M.Okamoto
- PII-20 "Experimental demonstration of the stabilizing effect of a superthermal electron avalanche during electron cyclotron resonant heating"
: A.Lazaros, A.Shimizu, Y.Yoshimura, et al.
- PII-21 "Improved Formalism for Flowing Two-Fluid Equilibrium and Its Application to ST"
: A.Ishida, C.Harahap, L.C.Stehnauer, and Y-K.M Peng
- PII-22 "Quasi-isodynamic Configuration with Poloidally Closed Contours of B and Small Number of Periods"
: M.A.Samitov, W.A.Cooper, M.Yu.Isaev, et al.
- PII-23 "Particle Orbits and Radial loss in the GAMMA10 Tandem Mirror"
: T.Ito and I.Katanuma
- PII-24 "Radial Electric Field Control for Retardation of Radial Transport of Bounce Ions in the Tandem Mirror"
: K.Ishii, Y.Takemura, A.Kojima, et al.
- PII-25 "Neutral transport analysis in non-axisymmetric anchor region of the GAMMA 10 tandem mirror using a Monte-Carlo simulation"
: Y.Nakashima, Y.Higashizono, T.Ohki, et al.

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| <p>PII-26 “Global Plasma Equilibrium in a Helical System with Ideally Conducting Wall”
: V.D.Pustovitov</p> <p>PII-27 “Axisymmetric MHD Simulation of ITB Crush and Following Disruption Dynamics of Tokamak Plasmas with High Bootstrap Current”
: N.Takei, Y.Nakamura, Y.Kawano, et al.</p> <p>PII-28 “The Effect of a Uniform Magnetic Field on the Motion of a Single Particle in the Strongly Coupled One-Component Plasma”
: J.O.Malo</p> <p>PII-29 “Study of Particle Diffusion in a Stochastic Magnetic Field: DIA Approximation and Beyond”
: M.Taguchi</p> <p>PII-30 “Electron Acceleration due to Electric Field Bursts close to the Lower Hybrid Frequency in a High-Voltage Linear Plasma Discharge”
: Y.Takeda and H.Inuzuka</p> <p>PII-31 “Nonlinear Simulation of Kinetic Internal Kink Modes in Tokamaks”
: H.Naitou, J.-N.Leboeuf, H.Nagahara, et al.</p> <p>PII-32 “Particle-Trapping Effects in Electron-Beam-Plasma”
: T.Takeda and K.Yamagiwa</p> <p>PII-33 “Study of transport regimes of ITG driven turbulence”
: K.Takeda, S.Benkadda, S.Hamaguchi, and M.Wakatani</p> <p>PII-34 “Magnetic Field Perturbations Correlated with Large Amplitude Lower-Hybrid Waves in a High-Voltage Linear Plasma Discharge”
: S.I.Popel, Y.Takeda, H.Inuzuka, and K.Elsässer</p> <p>PII-35 “Interaction of Two Electrons by Interchanging the Phonon Occured in the Beam-Plasma System”
: I.Mori and T.Morimoto</p> <p>PII-36 “Electromagnetic effect on turbulent transport in tokamak based on Landau fluid global simulation”
: N.Miyato, J.Li, and Y.Kishimoto</p> <p>PII-37 “MHD Relaxation to a flipped state in low aspect ratio toroidal plasmas”
: Y.Kagei, Y.Kishimoto, M.Nagata, et al.</p> <p>PII-38 “Saturation of zonal flow in electron temperature gradient turbulence”
: Jiquan Li, Y.Kishimoto, Y.Idomura, et al.</p> | <p>PII-39 “Effects of Self-Consistent Flow on Island Generation in Interchange Mode”
: K.Ichiguchi and B.A.Carreras</p> <p>PII-40 “Fluid Simulation on Subcycle Pulse Generation in Relativistic Laser-Plasma Interactions”
: H.Hojo, K.Akimoto, and T.Watanabe</p> <p>PII-41 “Statistical Characteristics from Gyro-fluid Transport Simulation”
: T.Matsumoto, Y.Kishimoto, and J.Li</p> <p>PII-42 “Non-invariance of both magnetic fluxes within flux tubes and global helicities in an ideal plasma and numerical demonstrations of generalized self-organization theory”
: Y.Kondoh, S.Serizawa, T.Takahashi, and J.W.Van Dam</p> <p>PII-43 “Measurement of Supersonic Rotation Accompanied with Plasma Hole”
: A.Okamoto, S.Yoshimura, and M.Y.Tanaka</p> <p>PII-44 “Observation of Plasma Hole in an ECR Argon Plasma”
: S.Yoshimura, A.Okamoto, and M.Y.Tanaka</p> <p>PII-45 “Dynamical Evolution of Thin Current Sheets in a Three-Dimensional Open System”
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