

## ICPP 2008 Daily Program

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### SUNDAY, September 7

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16:00- Registration  
 18:00- Welcome Reception

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### MONDAY, September 8

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8:30-9:00 Opening Session Room V  
 9:00-9:45 Keynote Lecture Room V

	Name	Time(min)	Title of Paper
KN1	R. Sagdeev	45	<i>Plasma physics: Evolution in 50 years and the outlook</i>

9:45-10:30 Plenary Lecture Room V

	Name	Time(min)	Title of Paper
FB•PL1-1	G-A/F-A/F-B S-I. Itoh	45	<i>Structure formation in turbulent plasmas</i>

10:30-11:00 Coffee Break  
 11:00-12:30 Invited Talk Room V

	Name	Time(min)	Title of Paper
FA•I 1-V-1	G-A/F-A/F-B O. Grulke	30	<i>Formation, spatiotemporal dynamics, and control of structures in weakly developed drift wave turbulence</i>
FB•I 1-V-2	G-B/F-B E. Kim	30	<i>Statistical theory of plasma turbulence</i>
FB•I 1-V-3	G-B/F-B B. Ph. van Milligen	30	<i>A probabilistic approach to transport modeling in fusion plasmas far from thermal equilibrium</i>

11:00-12:30 Invited Talk Room W

	Name	Time(min)	Title of Paper
FC•I 1-W-1	G-D/F-C K. Ichimoto	30	<i>Dynamics of the solarplasma revealed by HINODE</i>
FC•I 1-W-2	G-D/F-C Z. Kuncic	30	<i>Enhanced MHD transport in astrophysical accretion flows: turbulence, winds and jets</i>
FC•I 1-W-3	G-D/F-C V. Krishan	30	<i>Modeling solar wind turbulence—the Kolmogorov way</i>

11:00-12:30 Invited Talk Room Z

	Name	Time(min)	Title of Paper
FH1•I 1-Z-1	G-E/F-H J. F. Kolb	30	<i>Nanosecond pulsed electric fields for medical applications</i>
FH1•I 1-Z-2	G-E/F-H A. Fridman	30	<i>Plasma medicine</i>
FH2•I 1-Z-3	G-E/G-F/F-H T. Kaneko	30	<i>Liquid-gas interfacial plasmas for formation of novel Nano-Bio materials</i>

12:30–14:00	Lunch Break		
14:00–16:00	Poster Session P1 PY, PZ, PV, PW, PX		
FB•P1-001	G-A/F-B	S. C. Chapman	<i>Generalized reynolds numbers and points of contact between intermittent turbulence and self organized criticality</i>
FB•P1-002	G-A	A. Tsushima	<i>Electron acceleration by oscillating electric field</i>
FB•P1-003	G-A/F-B	V. P. Pavlenko	<i>Nonlinear dynamics of magnetic drift modes and self-organization phenomena in turbulent unmagnetized plasma</i>
FB•P1-004	G-A/F-B	H. Miura	<i>Small scale structures in decaying Hall-Mhd turbulence</i>
FB•P1-005	G-A	F. Doveil	<i>Self-consistent effects and Hamiltonian chaotic dynamics for wave-particle interaction in a traveling wave tube</i>
FB•P1-006	G-A	V. N. Pavlenko	<i>The scattering and transformation of electromagnetic waves by density fluctuations in turbulent magnetized plasma</i>
FB•P1-007	G-A/F-B	N. Kasuya	<i>Turbulent structures and selective structural formation in magnetized cylindrical plasmas</i>
FB•P1-008	G-A/F-B	K. Kamataki	<i>Radial structure of competitive phenomena of drift and flute modes in linear cylindrical ECR plasma</i>
FB•P1-009	G-A/F-B	T. Yamada	<i>Measurement of drift wave turbulence in the Large Mirror Device-Upgrade</i>
FB•P1-010	G-A	T. Fukuyama	<i>Experimental synchronization in coupled spatially extended systems</i>
FB•P1-012	G-A/F-B	K. Araki	<i>Orthonormal divergence-free wavelet analysis of energy transfer in magnetohydrodynamic turbulence</i>
FB•P1-013	G-A/F-B	O. P. Ponomaryov	<i>Dissipative structure in normal regime of glow discharge</i>
FB•P1-014	G-B/F-B	T. Yoshinaga	<i>Non-inductive formation of spherical tokamak plasmas by ECH on CPD</i>
FB•P1-015	G-B/F-B	T. Ryoukai	<i>Field line tying and magnetic shear effects of the vertical field on low frequency density fluctuations in CPD</i>
FB•P1-016	G-B/F-B	D. Saifaoui	<i>Contribution of reversed shear in reducing the anomalous transport in tokamak</i>
FB•P1-017	G-B/F-B	K. Rypdal	<i>Slow temporal chaos driven by intermittent turbulence in a simple magnetized torus configuration</i>
FB•P1-018	G-B/F-B	R. Ball	<i>Torus bifurcations in resistive drift wave turbulence</i>
FB•P1-019	G-B/F-B	S. Inagaki	<i>Density and potential fluctuation structures in LMD-U</i>
FB•P1-020	G-B/F-B	Z. Shi	<i>Turbulence measured by the microwave imaging reflectometry in TPE-RX</i>
FB•P1-021	G-B/F-B	Q. Xu	<i>On the observation of small scale turbulence on HT-7 tokamak</i>
FB•P1-022	G-B/F-B	M. Nakata	<i>Gyrokinetic simulation of slab electron temperature gradient turbulence and zonal flows</i>
FB•P1-023	G-B/F-B	K. Itoh	<i>Seesaw mechanism in turbulence-suppression by zonal flows</i>
FB•P1-024	G-B/F-B	H. Sugama	<i>Collisional damping of zonal flows in toroidal plasmas</i>
FB•P1-025	G-B/F-B	M. Yagi	<i>Multi-scale interaction among MHD, turbulence and transport in tokamak plasmas</i>
FB•P1-026	G-B/F-B	V. A. Kurnaev	<i>Plasma confinement in the compact double-dipole magnetic trap</i>
FB•P1-027	G-B/F-B	V. I. Maslov	<i>Internal transport barrier in kinds of double layer and soliton</i>
FB•P1-028	G-B/F-B	G. Kamberov	<i>Self-organization of turbulent plasma transport</i>
FB•P1-029	G-B/F-B	D. del-Castillo-Negrete	<i>Spatio-temporal multiscaling dynamics of impurity transport in turbulent plasmas</i>

FB•P1-030	G-B/F-B	D. del-Castillo-Negrete	<i>Application of fractional diffusion models to perturbative experiments in JET</i>
FB•P1-031	G-B/F-B	Z. Gao	<i>Enhanced damping and mode structure of geodesic acoustic modes</i>
FB•P1-032	G-A/F-B	A. N. Fedorova	<i>Fusion modeling in plasma physics: Vlasov-like systems</i>
FB•P1-033	G-A/F-B	G. Zeitlin	<i>Thorny path to fusion in plasma: fusion state as a waveleton (localized (meta)stable pattern)</i>
FB•P1-034	G-B	S. Toda	<i>Transport studies of effects of zonal flows on electron internal transport barriers formation in helical plasmas</i>
FC•P1-036	G-A/F-C	V. S. Mykhaylenko	<i>Shear flow driven ion cyclotron turbulence and related anomalous transport</i>
FC•P1-037	G-A/F-C	E. Tassi	<i>Stability and nonlinear dynamics aspects of a model for collisionless magnetic reconnection</i>
FC•P1-038	G-A/F-C	T. Moritaka	<i>Generation mechanism of anomalous resistivity controlled by ion dynamics in a thin current sheet</i>
FC•P1-039	G-A/F-C	T. Suzuki	<i>Characteristics of cyclotron harmonic resonances detected by an impedance probe experiment</i>
FC•P1-040	G-A/F-C	V. F. Boretskij	<i>Investigations of multicomponent thermal arc discharge plasma</i>
FC•P1-041	G-A/F-C	H. Matsukuma	<i>Depolarization of excited next (<math>2p^5 3p; J=1</math>) atoms due to He atom collisions</i>
FC•P1-042	G-A/F-C	A. K. Singh	<i>Effect of magnetic field on stable and unstable modes in a plasma having weakly relativistic ions and electrons</i>
FC•P1-043	G-A/F-C	K. Singh	<i>Solitary waves in pair plasma: effect of density inhomogeneity</i>
FC•P1-045	G-A	N. R. Minkova	<i>Statistical modeling of plasma and finite instrumental resolution scales</i>
FC•P1-046	G-B/F-C	Z-X. Wang	<i>Dynamics of mhd shear flows in nonlinear evolutions of double tearing modes</i>
FC•P1-047	G-C/F-C	Y. Sakawa	<i>Laboratory experiments to study collisionless shocks using high-power lasers</i>
FC•P1-048	G-C/F-C	N. L.Tsintsadze	<i>Longitudinal photons in a plasma</i>
FC•P1-049	G-C/F-C	N. Yamamoto	<i>Laboratory generation of photo-ionized plasmas with sub-keV back-body radiator</i>
FC•P1-050	G-C/F-C	T. Sasaki	<i>High energy density experiments based on all ion accelerator facility</i>
FC•P1-051	G-C/F-C	Y. Kuramitsu	<i>Laboratory simulation of cosmic ray acceleration due to an incoherent wakefield induced by an intense laser pulse</i>
FC•P1-052	G-D/F-C	R. Stenzel	<i>Injection of high-power whistlers into plasmas</i>
FC•P1-053	G-D/F-C	R. Horiuchi	<i>Multi-scale simulation of collisionless driven reconnection in open systems</i>
FC•P1-054	G-D/F-B	M. E. Dieckmann	<i>Particle-in-cell simulation of a planar, partially electromagnetic relativistic shock</i>
FC•P1-055	G-D/F-C	U. A. Mofiz	<i>Dark solitons in gravitational wave and pulsar plasma interaction</i>
FC•P1-056	G-D/F-C	V. T. Voronchev	<i>Proton-induced nonthermal nuclear effects in the early universe plasma</i>
FC•P1-057	G-D/F-C	K. Fukazawa	<i>Development of the global magnetospheric simulation model with multiple time steps and grid spacings</i>
FC•P1-058	G-D/F-C	J. W. Van Dam	<i>Some physical mechanisms of precursors to earthquakes</i>
FC•P1-059	G-D/F-C	K. Togano	<i>Two-dimensional Vlasov code simulation of magnetic reconnection</i>
FC•P1-060	G-D/F-C	M. Yamao	<i>Two-dimensional particle simulation of a perpendicular shock with a shock rest frame model</i>

FC•P1-061	G-D/F-C	T.D. Arber	<i>Thermal fronts in collisionless plasmas and flaring magnetic loops</i>
FC•P1-062	G-D/F-C	H. Ohtani	<i>Energy conversion in magnetic reconnection with chaos diffusion</i>
FC•P1-063	G-D/F-C	Y. Yamazaki	<i>A comprehensive study of SFES observed at CPMN stations</i>
FC•P1-064	G-D/F-C	B. A. Trubnikov	<i>The cosmic jets are accelerators of ultrarelativistic particles of cosmic rays</i>
FC•P1-065	G-D/F-C	T. Enoto	<i>Observations of high-energy gamma rays from winter thunderclouds</i>
FC•P1-066	G-D/F-C	K. Fujimoto	<i>Fast magnetic reconnection associated with kink modes</i>
FC•P1-067	G-D/F-C	T. Sugiyama	<i>Magnetohydrodynamic (MHD) and particle-in-cell (PIC) interlocked simulation model</i>
FC•P1-068	G-D/F-C	Y. Nariyuki	<i>Stabilization of electromagnetic ion beam instabilities by finite amplitude Alfvén waves revisited</i>
FC•P1-069	G-D/F-C	Y. Nariyuki	<i>A comprehensive model on parametric instabilities of Alfvén waves in the solar wind</i>
FD•P1-070	G-A/F-D	H. Totsuji	<i>Phase diagrams of strongly coupled Yukawa particulates in deformable background and application to fine particle (dusty) plasmas</i>
FD•P1-071	G-A/F-D	N. L.Tsintsadze	<i>On dust charging equation</i>
FD•P1-072	G-A/F-D	H. R. Pakzad	<i>Solitary waves of the Kadomstev–Petviashvili equation in warm dusty plasma with variable dust charge, two temperature ion and nonthermal electron</i>
FD•P1-073	G-A/F-D	W. J. Milochl	<i>Charging of dust in the presence of a directed photon flux: numerical simulations</i>
FD•P1-074	G-A/F-D	S. C. Sharma	<i>Gyrating ion beam driven lower hybrid waves in a magnetized dusty plasma cylinder</i>
FD•P1-075	G-A/F-D	A. Gahlot	<i>Lower hybrid suppression of drift waves in a magnetized dusty plasma cylinder</i>
FD•P1-076	G-A	S. Mahmood	<i>Linear and nonlinear dust ion acoustic waves in unmagnetized dense plasmas</i>
FD•P1-077	G-A/F-D	N. M. Yatsenko	<i>Interaction of electromagnetic waves with the linear structures in dusty magnetoplasma</i>
FD•P1-078	G-A/F-D	S. V. Annibaldi	<i>Role of the ion drag force in vortex formation in dusty plasmas under microgravity</i>
FD•P1-080	G-A	B. Klumov	<i>Complex plasmas in three dimensions: experiments versus simulations</i>
FD•P1-081	G-A	T. Gohda	<i>Self-excited irregular oscillation of positively charged fine-particles in magnetized double plasmas</i>
FD•P1-082	G-A/F-D	Y. Tomita	<i>Charging of dust particles in magnetic field</i>
FD•P1-083	G-A/F-D	S. Khrapak	<i>Effect of ion-neutral collisions on basic processes in complex (dusty) plasmas</i>
FD•P1-084	G-A/F-D	S. I. Popel	<i>Ambipolar diffusion in dusty plasmas</i>
FD•P1-086	G-A/F-D	A. Samarian	<i>Discharge afterglow with dust particles</i>
FD•P1-087	G-A/F-D	V. Moss	<i>Dust cluster oscillation spectrum in the presence of charge fluctuations</i>
FD•P1-088	G-A	T. Antonova	<i>Dust particle agglomeration in the small region of enhanced ionization</i>
FD•P1-089	G-A/F-D	M. Y. Pustynnik	<i>Effect of high-voltage nanosecond pulses on dust particles levitating in a plasma</i>
FD•P1-090	G-A/F-D	R. Kompaneets	<i>Electrostatic interactions between particles in dusty plasmas with ion flows</i>

FH1•P1-091	G-E	T. Shimizu	<i>Fabrication and characterization of calcium encapsulated single-walled carbon nanotube field effect transistor with plasma ion irradiation method</i>
FH1•P1-092	G-E	K. Ostrikov	<i>Plasma nanoarchitectronics: nearing self-assembled nanoelectronics</i>
FH1•P1-093	G-E/F-H	H. Yamaguchi	<i>First principle molecular dynamics simulation on the interaction of plasmas with single-walled carbon nanotubes</i>
FH1•P1-094	G-E/F-D	T. Mieno	<i>In-situ measurement of production process of carbon clusters under gravity-free condition by the Mie-scattering method</i>
FH1•P1-095	G-E/F-F	B. Vidhani	<i>Carbon nanoparticles and nanostructures deposition using dense plasma focus device and their characterization</i>
FH1•P1-096	G-E/F-H	N. Bilasini Devi	<i>Nanoparticles and nanostructures of aluminium nitride deposition using dense plasma focus device</i>
FH1•P1-097	G-E/F-H	G. Yokokura	<i>Synthesis of magnetic-atom endohedral fullerene using electron cyclotron resonance plasma irradiation method</i>
FH1•P1-098	G-E/F-H	I. Levchenko	<i>Plasma deposition of germanium nanoislands on silicon without Stranski-Krastanow fragmentation: a KMC study</i>
FH1•P1-099	G-E/F-H	I. Levchenko	<i>Growth of carbon nanotubes in vacuum arc plasma and on surface</i>
FH1•P1-100	G-E/F-H	M. P. Srivastava	<i>Plasma route to nanoscience and nanotechnology frontiers</i>
FH1•P1-101	G-E/F-H	M. Yabuno	<i>Effects of gas ion density on formation of gas-atom encapsulated silicon cage clusters</i>
FH1•P1-102	G-E/F-H	R. Hatakeyama	<i>Growth kinetics and unique-optical features of freestanding single-walled carbon nanotubes fabricated by diffusion plasma CVD</i>
FH1•P1-103	G-E/F-H	S. Sugimoto	<i>Carbon nanotube formation directly on the surface of stainless steel materials by plasma-assisted chemical vapor deposition</i>
FH1•P1-104	G-E/F-H	S. Roy	<i>Nanoparticles and nanostructured cobalt deposition using dense plasma focus device and their characterization</i>
FH1•P1-105	G-E/F-H	S. Yatsu	<i>Formation of conductive and semiconductive nanoballs by submerged glow discharge</i>
FH1•P1-106	G-E/F-H	S. Kuroda	<i>Diameter distribution control of single-walled carbon nanotubes by adjusting the pressures in diffusion plasma CVD</i>
FH1•P1-107	G-E/F-H	S. Miyanaga	<i>Efficient synthesis of nitrogen atom encapsulated fullerenes by plasma irradiation method</i>
FH1•P1-108	G-E/F-H	Y. Malhotra	<i>ZnO:Co nanostructures and nanoparticles with various stoichiometry deposited by dense plasma focus device</i>
FH1•P1-109	G-E/F-H	Y. Hanabusa	<i>Formation of azafullerene encapsulated single-walled carbon nanotubes using plasma ion irradiation method</i>
FH1•P1-110	G-E/F-H	Y. F. Li	<i>Creation of functional double-walled carbon nanotubes by plasma processing</i>
FH1•P1-111	G-E/F-H	Yong-il Kim	<i>The generation of the CNT on the metal wire by the simple arc discharge method</i>
FH1•P1-112	G-E	T. Matsuda	<i>Characteristics of 100 nm-dot array of vertically aligned carbon nanotube field emitters fabricated by dc plasma enhanced chemical</i>
FH1•P1-113	G-E	Di Lu	<i>Low-temperature growth of carbon nano-materials on different catalysts by surface-wave plasma assisted sol-gel synthesis technique</i>
FH1•P1-114	G-E/F-H	N. Hayashi	<i>Treatment of proteins using oxygen plasma produced by RF discharge</i>
FH1•P1-115	G-E/F-H	D. Vicoveanu	<i>Discrimination of the killing effects of the spore decontamination agents in oxygen RF discharges</i>

FH1•P1-116	G-E/F-H	D. Vicoveanu	<i>Parametric characterization of the spore inactivation kinetics in low pressure RF oxygen plasmas</i>
FH1•P1-117	G-E/F-H	H. Sakakita	<i>Irradiation effects on mouse internal organ using atmospheric plasma jets</i>
FH1•P1-118	G-E/F-H	H. Ito	<i>Characteristics of surface sterilization using microwave plasma torch</i>
FH1•P1-119	G-E/F-H	K. Takaki	<i>Improvement of edible mushroom yield by electric stimulations</i>
FH1•P1-120	G-E/F-H	S. Kitazaki	<i>Sterilization characteristics of tube inner surface using oxygen and water vapor plasma</i>
FH1•P1-122	G-E	M. K. Singh	<i>Sterilization efficiency of inactivation factors in a microwave plasma device</i>
FH1•P1-123	G-E	L. Xu	<i>Generation technique and sterilization application of microwave-excited plasma inside a medical container</i>
FH1•P1-124	G-E	S. Kojima	<i>Low-temperature modification of peptide using ion-assisted surface-wave plasma</i>
FH1•P1-125	G-E	H. Eto	<i>Sterilization of tubular medical instruments using wire-type dielectric barrier discharge</i>
FH1•P1-126	G-E	A. Yonesu	<i>Characteristics of surface sterilization using microwave ECR plasma</i>
FH1•P1-127	G-E	A. Ahmeda	<i>Effects of different plasma source on the growth of bacteria</i>
FH1•P1-128	G-E	T. Ohta	<i>Effect of UV light on sterilization of penicillium digitatum using non-equilibrium atmospheric pressure plasma</i>
FH1•P1-129	G-E	T. Shimizu	<i>Small microwave plasma torch for disinfection</i>
FH1•P1-130	G-E	W. Guan	<i>Influence of calcium hydroxide solution in RF plasma on sterilization of bacterial spores</i>
FH1•P1-131	G-E	A. E. Metawa	<i>Electrical characteristics of DBD and Bio application</i>
FH1•P1-132	G-F/F-H	Y. Yagyu	<i>Influence of atomic and molecular oxygen generated by RF plasma on reduction of protein</i>
FH1•P1-133	G-F/F-H	S. Katsuki	<i>A phosphatidylserine translocation in hela cells exposed to intense burst sinusoidal electric fields</i>
FH2•P1-134	G-E/F-H	S. H. R. Hosseini	<i>Laser micro-plasma induced underwater micro-shock waves and their medical applications</i>
FH2•P1-135	G-E/F-H	U. Khaled	<i>Enhancement of microplasma generated in water by adding carbon nanotubes</i>
FH2•P1-136	G-E/F-H	T. Ishijima	<i>Simulation of microwave radiation for microwave discharge in liquid</i>
FH2•P1-137	G-E/F-H	M. Miyagishi	<i>New experiment on plasma-liquid interaction using surface wave plasma</i>
FH2•P1-138	G-E/F-H	Yong-il Kim	<i>Underwater arc discharge CNT production method with the physical-vibration to the carbon electrode</i>
FH2•P1-139	G-E/F-H	S. Kanazawa	<i>Time resolved imaging of pulsed streamer discharge at the air/water interface</i>
FH2•P1-140	G-E	N. Tsuda	<i>Property of laser-induced plasma in liquid</i>
FH2•P1-141	G-E	T. Shirafuji	<i>Reaction kinetics in the plasma on the water surface</i>
FH2•P1-142	G-E	Y. Matsuda	<i>Ozone generation using micro barrier discharge in water</i>
FH2•P1-143	G-E/F-H	M. R. Vasquez Jr.	<i>Sputtering of liquid metals suspended on an insulating reservoir by a RF bias</i>
FH2•P1-144	G-E	T. Maehara	<i>Preliminary study of RF plasma in aqueous solution for degradation of methylene blue</i>
FH2•P1-145	G-F/F-H	J. Janek	<i>The interface between a plasma and an ionic liquid -electrochemistry with free electrons</i>

FH2•P1-146	G-F/F-H	K. Baba	<i>Gas-liquid interfacial discharge using ionic liquids at low gas pressure</i>
FH2•P1-147	G-F/F-H	T. Morita	<i>Plasma generation on gas-liquid interface and its effects on liquid properties</i>
APC•P1-148	G-A	V. V. Gorin	<i>Simplest simulation of the hollow cathode effect</i>
APC•P1-149	G-A	J. Orszagh	<i>The influence of gas pressure and electronegativity on the electric properties of bipolar corona discharge</i>
APC•P1-150	G-A	R. Stenzel	<i>Dynamics of fireballs</i>
APC•P1-151	G-A	N. Sternberg	<i>Cylindrical weakly-ionized plasma in fluid approximation</i>
APC•P1-152	G-A	Y. Yamamura	<i>Ion current oscillations and performances based on an anomalous transport model in Hall thrusters</i>
APC•P1-153	G-A	J. Maeda	<i>Stability of <math>N_2</math> plasma in Al made planar magnetron device</i>
APC•P1-154	G-A	S. Imakita	<i>Production of a narrow magnetized plasma by a high temperature cathode</i>
APC•P1-155	G-A	H. Akatsuka	<i>Numerical study on the gas temperature of microwave discharge rare gas plasmas as a rarefied gas dynamic system</i>
APC•P1-156	G-A	R. Kompaneets	<i>On the stability of mobility-limited ion drift in weakly-ionized plasma</i>
APC•P1-157	G-A	H. Nakamoto	<i>Investigation of the ion anomalous transport on the discharge current oscillation and performances of SPT-100 type Hall thrusters</i>
APC•P1-158	G-A	M. Zambra	<i>Qualitative analysis of the X-ray generation from a hybrid plasma focus</i>
APC•P1-159	G-A	N. Mungkung	<i>The mitigation of partial discharge on the partially insulated cable</i>
APC•P1-160	G-A	S. Shimamoto	<i>Effect of noise due to magnetic field at the surface of discharge cathode</i>
APC•P1-161	G-A	Z-L. Dai	<i>Simulations of dual frequency capacitively coupled plasma</i>
APC•P1-162	G-A	M. Hamamoto	<i>Spectroscopic study of pre-breakdown plasma in linear fluorescent lamp</i>
APC•P1-163	G-A	M. Hamamoto	<i>Effect of increase rate of applied voltage on ignition voltage of fluorescent lamp under light irradiation</i>
APC•P1-164	G-A	A. A. Petrov	<i>Electro-explosive mechanism of carbon cathode destruction in negative corona discharge in trichel pulse regime</i>
APC•P1-165	G-A	E. Kawamori	<i>Magnetized plasma experiments using plasma emitter</i>
APC•P1-166	G-A	T. Yoshioka	<i>Production and control of VHF excited plasmas by superposing two standing waves</i>
APC•P1-167	G-A	T. Nakano	<i>Relationship between <math>D^-/H^-</math> negative ion production and extraction of negative ions in a volume negative ion source</i>
APC•P1-168	G-A	T. Shibata	<i>Modeling of hydrogen negative ions in sheet plasma</i>
APC•P1-169	G-A	A. Tsuji	<i>Numerical study on discharge characteristics of a line-shaped microwave plasma with a rectangular slotted waveguide</i>
APC•P1-170	G-A	A. Tsuji	<i>Fluid simulation of <math>c-C_5F_8</math> discharges with quantum chemistry calculation</i>
APC•P1-171	G-A	A. Tsuji	<i>Study on wave mode control in slot-excited microwave plasmas</i>
APC•P1-172	G-A	O.S. Stoican	<i>Effect of an external electrode on the characteristics of a low frequency discharge</i>
APC•P1-173	G-A	T. Gyergyek	<i>A one dimensional kinetic model of a bounded plasma system containing hot and emitted electrons with drifting velocity distributions</i>
APC•P1-174	G-A	M. Nunami	<i>Numerical analysis of laser produced plasma expansion with large ion larmor radius via 3D PIC simulation</i>

APC•P1-175	G-A	L. Soto	<i>Scaling, stability and fusion mechanisms studies using plasma focus devices from hundred of kilojoules to less than one joule</i>
AWM•P1-176	G-A/F-B	S. H. R. Hosseini	<i>Experimental study of converging spherical underwater shock waves</i>
AWM•P1-177	G-A	M. Toida	<i>Parametric studies of high- and low-frequency magnetosonic waves and ion acceleration in two-ion-species plasmas</i>
AWM•P1-178	G-A	M. Mehdipoor	<i>Effects of positron density and temperature on ion acoustic solitary waves in magnetized electron-positron-ion plasmas</i>
AWM•P1-179	G-A	H. R. Pakzad	<i>Ion acoustic solitary waves with nonthermal distribution of ion</i>
AWM•P1-180	G-A	I. Mori	<i>Nonlinear mode coupling and instability occurred in a beam-plasma system</i>
AWM•P1-182	G-A	S. Krishan	<i>Non-exponentially growing instabilities</i>
AWM•P1-183	G-A	T. Kumashiro	<i>Vlasov simulation of finite amplitude magnetohydrodynamic waves in solar wind : parametric instability of Alfvén waves</i>
AWM•P1-184	G-A/F-B	I. O. Anisimov	<i>Dynamics of the modulated electron beam in the inhomogeneous plasma barrier: one-dimensional simulation using PIC method</i>
AWM•P1-185	G-A	I. O. Anisimov	<i>Dynamics of thin modulated electron beam in homogeneous plasma: PIC simulation</i>
AWM•P1-186	G-A	V. Saxena	<i>Superluminal coupled nonlinear stationary waves in cold relativistic electron-ion plasmas</i>
AWM•P1-187	G-A	V. Saxena	<i>Spatio-temporal evolution of relativistically intense waves in a cold homogeneous plasma</i>
AWM•P1-188	G-A	T. Umeda	<i>Vlasov simulation of Langmuir decay instability</i>
AWM•P1-189	G-A	E. Tassi	<i>Symmetries and solutions of equations describing force-free magnetic fields</i>
AWM•P1-190	G-A/F-B	T. Eu. Litoshenko	<i>Resonant interaction of thin modulated electron beam with inhomogeneous plasma</i>
AWM•P1-191	G-A/F-B	D. A. Tolstik	<i>Investigation of EMHD equations solutions for 3-D localized concentration obstacles</i>
AWM•P1-192	G-A	A. Rusanov	<i>Electromagnetic waves in longitudinally magnetized planar and rectangular plasma waveguides</i>
AWM•P1-193	G-A	K. Akimoto	<i>Transit-time effects on cyclotron resonance heating</i>
AWM•P1-194	G-A	A. Suzuki	<i>A novel method to construct stationary solutions of the Vlasov-Maxwell system</i>
AWM•P1-195	G-A	H. Bailung	<i>Transition of ion acoustic perturbation in multicomponent plasma with negative ions</i>
AWM•P1-196	G-A	E. V. Rostomyan	<i>Beam-plasma interaction in presence of dissipation in finite external magnetic field</i>
BET•P1-197	G-B	K. Ikeda	<i>Optical observation of neutral beam attenuation in high temperature plasma</i>
BET•P1-198	G-B	H. Funaba	<i>Thermal transport analysis of high density plasmas on LHD</i>
BET•P1-199	G-B	M. Yokoyama	<i>Transport properties of high-ion-temperature plasmas in the large helical device (LHD)</i>
BET•P1-200	G-B	M. Koubiti	<i>Spectroscopic investigation of the ablation cloud of aluminum and titanium pellets injected in LHD</i>
BET•P1-201	G-B	T. Tokuzawa	<i>Particle transport study around expanding magnetic island in the large helical device</i>
BET•P1-202	G-B	R. Ishizaki	<i>Plasmoid motion in helical plasmas</i>

BET•P1-203	G-B	D. Liu	<i>Enhancement of performance of compact toroid injector for LHD</i>
BET•P1-204	G-B	S. Nishimura	<i>Effects of configuration control on the neoclassical viscosity in H eliotron-J</i>
BET•P1-205	G-B	G. Motojima	<i>Experimental study of non-inductive current in Heliotron J</i>
BET•P1-206	G-B	M. Ishiguro	<i>Investigation of formation of closed flux surface by electrons confined in open magnetic field</i>
BET•P1-207	G-B	H. Honma	<i>Calorimetric measurement of kinetic energy of compact toroid in the spherical tokamak CPD</i>
BET•P1-208	G-B	M. Yoshikawa	<i>Density and potential fluctuation measurements in the tandem mirror GAMMA 10 plasma</i>
BET•P1-209	G-B	T. Ikeyama	<i>MHD motions on field-reversed configuration plasma</i>
BET•P1-210	G-B	K. Oki	<i>Large-scale profile change of magnetic field in a low-aspect ratio RFP</i>
BET•P1-211	G-B	R. Ikezoe	<i>Characterization of MHD behavior in a low-aspect ratio RFP</i>
BET•P1-212	G-B	S. Motohashi	<i>Appropriateness examination of the model functions for the equilibrium reconstruction analysis</i>
BET•P1-213	G-B	O. Watanabe	<i>Non-inductive plasma start-up and sustainment by wave heating at two frequencies in the TST-2 spherical tokamak</i>
BET•P1-214	G-B	S. Nishi	<i>Investigation on equilibrium and transport of toroidal ECR plasmas in the low aspect ratio torus experiment device</i>
BET•P1-215	G-B	K. Yamazaki	<i>Analyses and experiments of compact spherical tokamak-stellarator "TOKASTAR"</i>
BET•P1-216	G-A	Q. Xu	<i>Long pulse and high power LHCD plasmas on HT-7 tokamak</i>
BET•P1-217	G-A	F. Wang	<i>A real-time plasma position control system based on rEFIT in HT-7 tokamak</i>
BET•P1-218	G-A	K. Nakamura	<i>Characteristics of SVD in ST plasma shape reproduction method based on CCS</i>
BET•P1-219	G-B	S. Satake	<i>Comparison of neoclassical transport calculation in helical configurations between small-and finite-orbit-width models</i>
BET•P1-220	G-B	H. Utoh	<i>High beta discharges with hydrogen storage electrode biasing in the tohoku university heliac</i>
BET•P1-221	G-B	T. Asai	<i>Control of plasma dynamics in a translation process of field-reversed configuration</i>
BET•P1-222	G-B	M. Ohnishi	<i>Formation of field-reversed configuration by larger rotating magnetic field</i>
BET•P1-223	G-B	A. Sanpei	<i>Characterization of neoclassical equilibria in a low-aspect ratio RFP</i>
BET•P1-224	G-B	T. Ido	<i>Potential fluctuation measurement using a heavy ion beam probe during ECCD in LHD</i>
EET•P1-225	G-E/F-H	H. Sugiura	<i>Efficient decomposition of organic materials by slot-excited microwave plasmas in water</i>
EET•P1-226	G-E/F-H	K. Takahashi	<i>Water purification using non-thermal plasma driven by blumlein-line stacked pulsed power generator</i>
EET•P1-227	G-E	K. Takaki	<i>Influence of no concentration on removal efficiency in multipoint-to-plane electrode dielectric barrier discharge reactor</i>
EET•P1-228	G-E	R. Kamada	<i>Treatment of methane using double surface discharge</i>
EET•P1-229	G-E	S. Yao	<i>Observation of particulate matter combustion in a pulsed discharge duration</i>
EET•P1-230	G-E	T. Nagashima	<i>Recycle of metal-plating plastics by pulse arc discharge</i>

EET•P1-231	G-E	Y. Fujii	<i>Simultaneous decompositions of electrostatic-precipitated diesel particulate matters and nitric oxides using dielectric barrier discharge</i>
EPP•P1-232	G-E/F-G	I. Ogawa	<i>Continuous frequency tuning gyrotron, gyrotron FUCW IV</i>
EPP•P1-233	G-E	H. Oe	<i>Experimental study on disk type cold cathode in weakly relativistic energy region</i>
EPP•P1-234	G-E	E. Agheb	<i>Estimation of very fast transient voltage distribution in air-cored pulsed transformer windings based on FDTD method</i>
EPP•P1-235	G-E	E. Agheb	<i>Empy modeling of air-cored transformer windings under high-frequency transient</i>
EPP•P1-236	G-E	J. Jadidian	<i>Numerical simulation of an explosively driven HVDC circuit breaker</i>
EPP•P1-237	G-E	J. Jadidian	<i>A novel method for high current vacuum arc interruption using external ultra high axial pulsed magnetic fields</i>
EPP•P1-238	G-E	K. Goto	<i>Analysis of behavior of charged particles in cusp type direct energy converter for advanced fusion</i>
EPP•P1-239	G-E	S. Anan'ev	<i>Pulsed plasma dynamics in different kinds of imploding loads of megaampere range</i>
EPP•P1-240	G-E	T. Namihira	<i>Observation of streamer, glow to arc transition in pulsed discharge</i>
EPP•P1-241	G-E	T. Misawa	<i>Time evolution of plasma parameter on shunting arc discharge plasma under the low gas pressure</i>
EPP•P1-242	G-E	T. Idehara	<i>A THz gyrotron FUCW III with a 20T superconducting magnet</i>
EPP•P1-243	G-E	Y. Oda	<i>A structure of breakdown plasma by a high power millimeter wave beam</i>
EPP•P1-244	G-E	Y. Takashima	<i>Analysis of slow-wave instability in rectangularly corrugated cylindrical waveguide</i>
FH2•P1-245	G-E/F-H	Y. E. Krasik	<i>Underwater electrical wire explosion</i>

16:00-16:30 Coffee Break

16:30-18:30 Oral Session Room X

		Name	Time(min)	Title of Paper
FB•O1-X-1	G-B/F-B	A. Krämer-Flecken	20	<i>Overview on turbulence and structure formation during resonant magnetic perturbations at TEXTOR</i>
FB•O1-X-2	G-A/F-B	A. Fujisawa	20	<i>Turbulence measurements and discovery of zonal magnetic field using HIBPs in CHS</i>
FB•O1-X-3	G-A/F-B	Y. Nagashima	20	<i>Reynolds stress probe measurements for investigation of nonlinear processes of turbulence in the large mirror device and in the large mirror device-upgrade</i>
FB•O1-X-4	G-A/F-B	R. Bingham	20	<i>Spontaneous generation of self-organized zonal flows in turbulent plasmas</i>
FB•O1-X-5	G-B/F-B	T. H. Watanabe	20	<i>Gyrokinetic simulation of turbulent transport reduction and zonal flow enhancement in helical systems</i>
FB•O1-X-6	G-B/F-B	J. Li	20	<i>Nonlinear interaction and turbulent transport in mixed scale MHD and ITG fluctuations</i>

16:30-18:30 Oral Session Room R

		Name	Time(min)	Title of Paper
FB•O1-Y-1	G-A/F-B	Wolf-C. Müller	20	<i>The role of cross helicity in turbulent two-dimensional magnetohydrodynamic convection</i>

BET•O1-Y-2	G-B	K. Yambe	20	<i>Equilibrium of field-reversed configuration plasma sustained by rotating magnetic field</i>
BET•O1-Y-3	G-B	G. Fiksel	20	<i>Ions in the reversed field pinch : momentum transport, heating, and confinement</i>
FF•O1-Y-4	G-B/F-F	F. M. Poli	20	<i>Study of spectral properties of ELMs on JET using a wavelet analysis</i>
BET•O1-Y-5	G-B	N. Tamura	20	<i>Confinement property of tracer impurity particle inside a static magnetic island O-point of large helical device</i>
BET•O1-Y-6	G-B	T. Mizuuchi	20	<i>Configuration control experiments in Heliotron J</i>

16:30-18:30 Oral Session Room W

		Name	Time(min)	Title of Paper
FC•O1-W-1	G-D/F-C	C.Z. Cheng	20	<i>Impulsive magnetic reconnection in solar and laboratory plasmas</i>
FC•O1-W-2	G-D/F-C	A. Kosovichev	20	<i>Diagnostics of plasma dynamics and magnetism inside the sun by helioseismology</i>
FC•O1-W-3	G-D/F-C	K. Kusano	20	<i>Study of the initiation mechanism and the predictability of solar eruption based on data-driven simulation</i>
FC•O1-W-4	G-D/F-C	T. D. Arber	20	<i>Observational signatures of kink unstable coronal loops</i>
FC•O1-W-5	G-A/F-C	T. Shoji	20	<i>Acoustic black hole in plasma flow-experiment: observation of a classical analogue to the Hawking radiation</i>

16:30-18:30 Oral Session Room Z

		Name	Time(min)	Title of Paper
FH1•O1-Z-1	G-E/F-H	A. E. Rider	20	<i>Stoichiometric III-V quantum dots: a plasma-based approach</i>
FH1•O1-Z-2	G-E/F-H	T. Nozaki	20	<i>A single-step plasma synthesis of organically-passivated blue-luminescent silicon nanocrystal</i>
FH1•O1-Z-3	G-E/F-H	R. S. Rawat	20	<i>Magnetic CoPt nano-particles deposition using plasma focus device</i>
FH1•O1-Z-4	G-E/F-H	A. Ogino	20	<i>Influence of substrate bias of surface-wave plasma treatment on the structure of polysaccharide membranes</i>
FH1•O1-Z-5	G-E/F-H	T. Hirata	20	<i>Culture and differentiation of neural stem cells on CNT/polymer based Bio-nanosensor treated by plasma-activation method</i>
FH2•O1-Z-6	G-F/F-H	B. R. Locke	20	<i>Electrical discharge at the gas-liquid interface in near boiling water</i>

18:45-19:15 Awarding Ceremony & Talk Room W  
IUPAP 2008 Young Scientist Prize in Plasma Physics

**TUESDAY, September 9**

8:30–9:15 Plenary Lecture Room V

		Name	Time(min)	Title of Paper
FNE•PL2-1	G-F/G-C	C. Joshi	45	<i>Surfing plasma waves: A new paradigm for particle accelerators</i>

9:15–10:00 Plenary Lecture Room V

		Name	Time(min)	Title of Paper
BET•PL2-2	G-B	O. Kaneko	45	<i>Extension of improved particle and energy confinement regime in the core of LHD plasma</i>

10:00–10:30 Coffee Break

10:30–12:30 Invited Talk Room W

		Name	Time(min)	Title of Paper
FF•I 2-W-1	G-B/F-F	C. S. Chang	30	<i>Physics of edge plasma</i>
FF•I 2-W-2	G-B/F-F	O. E. Garcia	30	<i>Blob transport in the plasma edge: a review</i>
FF•I 2-W-3	G-B/F-F	N. Asakura	30	<i>SOL plasma flow in tokamak L- and H-mode plasmas and its effects on impurity transport</i>
FF•I 2-W-4	G-B/F-F	N. Ohno	30	<i>Non-diffusive SOL plasma transport in magnetically confined plasmas in relation with magnetic configuration and plasma detachment with use of statistical analysis</i>

10:30–12:30 Invited Talk Room V

		Name	Time(min)	Title of Paper
FC•I 2-V-1	G-D/F-C	M. Hoshino	30	<i>Particle acceleration in relativistic astrophysical shock</i>
FC•I 2-V-2	G-A/F-C	H. Tsuchiya	30	<i>Recent progresses in research of non-thermal processes in lightning and thunderclouds</i>
FB•I 2-V-3	G-D/F-C	M. S. Potgieter	30	<i>Cosmic rays in the dynamic heliosphere</i>
FC•I 2-V-4	G-A/F-C	I. Kourakis	30	<i>Nonlinear dynamics of rotating multi-component pair plasmas and e-p-i plasmas</i>

12:30–14:00 Lunch Break

14:00–16:00 Poster Session P2 PY, PZ, PV, PW, PX

		Name	Time(min)	Title of Paper
FA•P2-001	G-A/F-A	Md. Nurujjaman		<i>Noise invoked resonance in glow discharge plasmas</i>
FA•P2-002	G-A/F-A	O. Waldmann		<i>Multi-anode photomultiplier tube as a tool for spatio-temporal measurements in a plasma</i>
FA•P2-003	G-A/F-A	T. Motomura		<i>Characteristics of large diameter, high-density helicon plasma with short axial length using a flat spiral antenna</i>
FA•P2-004	G-A/F-A	S. Shinohara		<i>Performance of large diameter, high-density helicon plasma by changing magnetic field configuration and axial length</i>
FA•P2-005	G-A/F-A	M. M. Rahman		<i>Formation and control of electron temperature gradient in magnetized plasmas</i>

FA•P2-007	G-A/F-A	N. Ezumi	<i>Ion sensitive probe measurement of detached plasmas in the linear plasma device CTP-HC</i>
FA•P2-008	G-A/F-A	S. Yoshimura	<i>Measurement of ion flow velocity field associated with plasma hole using laser induced fluorescence spectroscopy</i>
FA•P2-009	G-A/F-A	K. Terasaka	<i>Effect of rotation on acceleration of ions along the magnetic field line</i>
FA•P2-010	G-A/F-A	S. Etoh	<i>Development of high resolution LIF spectroscopy utilizing a saturated absorption spectrum</i>
FA•P2-011	G-A/F-A	K. Saeki	<i>Dynamics of flute-type spiral vortices in a magnetized plasma</i>
FA•P2-012	G-A/F-A	K. Toki	<i>Plasma acceleration in a compact helicon source using RF antennae</i>
FA•P2-013	G-A/F-A	K. Rahbarnia	<i>Alfvén waves in multicomponent plasmas</i>
FA•P2-014	G-A/F-A	L. V. Simonchik	<i>Resonant suppression and feed-back control of an absolute instability by the pump frequency modulation</i>
FA•P2-015	G-A/F-A	S. Tamura	<i>Effects of parallel flow velocity shear on drift wave in two-component ion plasmas</i>
FA•P2-016	G-B/F-A	S. V. Ryzhkov	<i>Alternative fusion reactors as future commercial power plants</i>
FA•P2-017	G-B/F-A	A. Okamoto	<i>Ion beam injection in a high density plasma and its application to beam diagnostics and divertor plasma physics</i>
FA•P2-018	G-B/F-A	V. A. Kurnaev	<i>Excitation of helicon modes due to dynatron instability of plasma-surface interaction</i>
FA•P2-019	G-F/F-A	H. Himura	<i>Proposed new experiment on two-fluid plasmas using two linear non-neutral plasmas</i>
FC•P2-020	G-D/F-C	P. L. Verma	<i>Geomagnetic storms in relation with halo and partial halo coronal mass ejections and disturbances in solar wind plasma parameters</i>
FC•P2-021	G-D/F-C	P. L. Verma	<i>Large geomagnetic storms in relation to CME related shocks and magnetic clouds</i>
FC•P2-023	G-D/F-C	M. H. Saito	<i>Magnetotail conditions for ballooning instability at substorm onset</i>
FC•P2-024	G-D/F-C	H. Kawano	<i>Estimation of the magnetospheric plasma density from the ground by using ULF waves observed by MAGDAS/CPMN</i>
FC•P2-025	G-D/F-C	T. K. M. Nakamura	<i>Non-linear coupling between magnetic reconnection and MHD-scale Kelvin-Helmholtz instability: full particle simulations</i>
FC•P2-026	G-D/F-C	R. D. Sydora	<i>Kinetic simulations of whistler oscillations and comparison to satellite observations</i>
FC•P2-027	G-D/F-C	M. Amano	<i>Three-dimensional MHD simulation of the solar wind with rotation of the sun</i>
FC•P2-028	G-D/F-C	A. Fujimoto	<i>Two kinds of global Pc5s observed at CPMN stations</i>
FC•P2-029	G-D/F-C	K. Yumoto	<i>Magdas and FM-CW rader observations of transient disturbances in the magnetosphere</i>
FC•P2-030	G-D/F-C	T. Miyoshi	<i>Fast magnetic reconnection induced by resistive tearing modes at high magnetic Reynolds number</i>
FC•P2-031	G-D/F-C	G. C. Das	<i>Transient behaviour of ion-acoustic waves in magnetized plasma with negative ions</i>
FC•P2-032	G-D/F-C	M. Toida	<i>Repeated interactions of thermal ions with an oblique shock wave</i>
FC•P2-033	G-D/F-C	M. P. Bora	<i>The effect of ionization in a thermal plasma with radiation</i>
FC•P2-034	G-D/F-C	Y. Ohsawa	<i>Theory and simulations of parallel electric fields in nonlinear magnetosonic waves: two-component plasma</i>
FC•P2-035	G-D/F-C	S. Takahashi	<i>Theory and simulations of parallel electric fields in nonlinear magnetosonic waves: three-component plasma</i>

FC•P2-036	G-D/F-C	M. Sato	<i>Simulation studies of electron acceleration to ultrarelativistic energies caused by small pulses generated in shock waves</i>
FC•P2-037	G-D/F-C	K. S. Musatenko	<i>Diffused plasma boundary model for investigation of transition radiation of relativistic electron from interplanetary shock</i>
FC•P2-038	G-D/F-C	A. Ikeda	<i>Pi2 electric and magnetic pulsations at the low-latitude GPMN stations</i>
FC•P2-039	G-D/F-C	T. Terasawa	<i>Particle acceleration at strong shocks modified by self-consistently excited MHD turbulence</i>
FC•P2-040	G-D/F-C	S. A. Koryagin	<i>Stochastic electron-ion collisions in quantizing magnetic field of white dwarfs</i>
FC•P2-041	G-D/F-C	T. Lindstedt	<i>Separatrix regions of magnetic reconnection</i>
FC•P2-042	G-D/F-C	P. H. Sakanaka	<i>Generalized beltrami equation as solution for the ball lightning</i>
FC•P2-043	G-D/F-C	C. Z. Cheng	<i>Physical mechanism of substorm onset</i>
FC•P2-044	G-D/F-C	K. Kondoh	<i>Spontaneous fast reconnection in the near-earth plasma sheet</i>
FC•P2-045	G-D/F-C	A. S. de Assis	<i>KAW induced electron fluxes enhancement at auroral arc edges</i>
FC•P2-046	G-D/F-C	M. Den	<i>Magnetic reconnection and three-dimensional MHD simulation of substorm</i>
FC•P2-047	G-D/F-C	C. Forest	<i>An weakly-magnetized plasma Couette flow experiment</i>
FC•P2-048	G-D/F-C	D. Shaikh	<i>Relaxation processes in laboratory and space plasmas</i>
FC•P2-049	G-D/F-C	T. Tokunaga	<i>Polarization characteristics of global Pi 2 magnetic pulsations estimated by independent component analysis</i>
FC•P2-050	G-D/F-C	H. Takahashi	<i>Extension of the Sweet-Parker magnetic reconnection to relativistic plasma</i>
FC•P2-051	G-D	S. Hirose	<i>Radiation MHD simulations of standard accretion disk segments</i>
FC•P2-052	G-D/F-C	C. H. Jaroschek	<i>Radiation dominated relativistic current sheets</i>
FC•P2-053	G-D/F-C	J. Matsumoto	<i>Relativistic numerical study on the explosive energy release in ultra-strongly magnetized neutron stars</i>
FC•P2-054	G-D/F-C	N. V. Baranets	<i>Excitation of HF and ULF-VLF fields during the charged particle beam injection in space active experiment</i>
FC•P2-055	G-D/F-C	M. V. Alves	<i>Auroral region response during HILDCAA events</i>
FF•P2-057	G-A/F-F	A. Fukano	<i>Electric potential in a magnetized plasma with magnetic field increasing toward a wall</i>
FF•P2-058	G-A/F-F	N. Azizi	<i>Analyse of langmuir probe for measurement of plasma edge electron temperature and density in IR-T1 tokamak</i>
FF•P2-059	G-A/F-F	I. Levchenko	<i>Electron conductivity in low-temperature magnetically confined plasmas</i>
FF•P2-060	G-A/F-F	Y. Takeguchi	<i>Carbon erosion under heavy atomic hydrogen irradiation</i>
FF•P2-061	G-A/F-F	M. Kyo	<i>Carbon dust formation under heavy atomic hydrogen irradiation</i>
FF•P2-062	G-A	T. Tabata	<i>A new model on erosion of diverter plates by energetic ions in fusion plasmas</i>
FF•P2-063	G-A/F-F	M. Čerček	<i>Collector floating potentials in a discharge plasma with two species of positive ions</i>
FF•P2-064	G-A/F-F	M. Čerček	<i>Electric and spectroscopic characterization of magnetized hydrogen and helium hot cathode discharge plasmas</i>
FF•P2-065	G-A/F-E	A. Samarian	<i>Dust in flowing magnetized plasma</i>
FF•P2-066	G-A	T. Shikama	<i>Observation of H<sub>2</sub> I'<sup>1</sup>Πg<sup>+</sup>/-B'<sup>1</sup>Σu<sup>+</sup> band spectra in a hollow-cathode glow discharge</i>

FF•P2-067	G-A	K. Shibagaki	<i>Diagnostics of high-density, low-temperature recombining hydrogen plasmas produced by helicon-wave discharges</i>
FF•P2-068	G-A	J. Inamori	<i>Modeling of the interaction between electrons and neutral particles during ELM burst</i>
FF•P2-069	G-A	H. A. Sakaue	<i>Spectroscopy of highly charged iron ions with electron beam ion traps</i>
FF•P2-070	G-B/F-F	K. Ohya	<i>Transport of heavy hydrocarbons and its redeposition on plasma facing walls</i>
FF•P2-071	G-B/F-F	H. Yagihashi	<i>Analysis for surface probes prepared 10th experimental campaign of LHD</i>
FF•P2-072	G-B/F-F	H. Tanaka	<i>Statistical analysis on bursty fluctuation in attached- and detached-divertor plasmas of the LHD</i>
FF•P2-073	G-B/F-F	N. Ezumi	<i>Plasma flow in the LHD ergodic layer</i>
FF•P2-074	G-B/F-F	Y. Hirooka	<i>Active particle control in the CPD compact spherical tokamak by a rotating poloidal limiter</i>
FF•P2-075	G-B/F-F	Y. Higashizono	<i>Neutral particle behavior in the compact PWI simulator "APSEDAS"</i>
FF•P2-076	G-B/F-F	M. Sakamoto	<i>Study of surface modification due to plasma-wall interaction in APSEDAS</i>
FF•P2-077	G-B/F-F	T. Miyazaki	<i>Real time measurement of optical reflectivity on material surface during plasma irradiation</i>
FF•P2-078	G-B/F-F	Y. Kikuhara	<i>Molecular dynamics simulation of hydrocarbon reflection of carbon and tungsten in realistic surface conditions</i>
FF•P2-079	G-B/F-F	K. Inai	<i>An eddy-PIC simulation of co-deposition of hydrogen isotopes on castellated structure of plasma facing tiles</i>
FF•P2-080	G-B/F-F	A. Ito	<i>Molecular dynamics study on behavior of hydrocarbon molecules in hydrogen atom gas</i>
FF•P2-081	G-B/F-F	Y. Yu	<i>ECR discharge cleaning on HT-7 tokamak</i>
FF•P2-082	G-B	T. Morisaki	<i>Comparison of edge plasma properties between LHD heliotron and CPD spherical tokamak</i>
FF•P2-083	G-B	S. Kado	<i>Measurement of atomic temperature of helium in MAP-II divertor simulator</i>
FF•P2-084	G-B	T. Kenmotsu	<i>Effect of surface structure upon particle reflection coefficients and sputtering yields</i>
FF•P2-085	G-B	D. Basu	<i>Edge biasing of SINP-tokamak plasma in high-q regime.</i>
FF•P2-086	G-B/F-F	H. Matsuura	<i>3D Monte Carlo simulation for H-alpha spectra observed in compact helical system</i>
FF•P2-087	G-B/F-F	S. Brezinsek	<i>Comparison of <math>^{13}\text{C}_2\text{H}_4</math> and <math>^{13}\text{CH}_4</math> injection through graphite and tungsten limiters in the tokamak TEXTOR</i>
FF•P2-088	G-B/F-F	G. Kawamura	<i>1D fluid model of plasma profiles in the LHD divertor leg</i>
FF•P2-089	G-B	Q. Li	<i>Modeling of heat flux deposition onto a VPS-W/CU HT-7 movable limiter</i>
FF•P2-090	G-B/F-F	R. Tarkeshian	<i>The effect of plasma on titanium coated ferritic steel in IR-T1 tokamak</i>
FH1•P2-092	G-E	J. Sato	<i>Study of field emission performance of carbon nanotubes using surface-wave plasma post-treatment</i>
FH1•P2-093	G-E	K. Shinji	<i>Cathod-luminescence measurements of zinc oxide nano-particle fabricated by YAG laser ablation technique</i>
FH1•P2-094	G-E	L. Bo	<i>Characteristics of nano-sized discharges using carbon nanotube electrode in gases and plasma surrounding</i>

FH1•P2-095	G-E	M. Qiang	<i>Low-temperature growth of carbon nanomaterials with graphene layer encapsulated metal catalysts using plasma-enhanced chemical vapor deposition</i>
FH1•P2-096	G-E	A. E. Rider	<i>Controlling the elemental composition of silicon carbide quantum dots: benefits of a plasma-based growth environment</i>
FH1•P2-097	G-E	E. Tam	<i>Plasma/ion-controlled metal catalyst saturation: enabling simultaneous growth of carbon nanotube and nanocone arrays</i>
FH1•P2-098	G-E	E. Tam	<i>Numerical modeling of single wall carbon nanotube growth in plasma and neutral gas systems</i>
FH1•P2-099	G-E	E. Tam	<i>Size-selected Ni catalyst islands for single-walled carbon nanotube arrays</i>
FH1•P2-100	G-E	K. Ostrikov	<i>Nanowire catalytic sensing of reactive post-glow plasmas</i>
FH1•P2-101	G-E	K. Ostrikov	<i>Cadmium oxide nanostructures through interaction of reactive plasmas with cadmium surfaces</i>
FH1•P2-102	G-E	K. Ostrikov	<i>Plasma-related effects in the PECVD of vertically aligned carbon nanostructures</i>
FH1•P2-103	G-E	K. Takahashi	<i>Effect of TiO<sub>2</sub> doping on single-walled carbon nanotube gas sensor prepared by pulsed laser ablation method</i>
FH1•P2-104	G-E	S. Kondo	<i>Initial growth phase of carbon nanowalls synthesized by irradiation of ions and radicals</i>
FH1•P2-105	G-E	S. Iwashita	<i>Manipulation of nano-blocks formed in CVD plasmas using pulse RF discharges with amplitude modulation</i>
FH1•P2-106	G-E	S. Matsunaga	<i>Fabrication of electrodes for single-walled carbon nanotube gas sensor using RF sputtering</i>
FH1•P2-107	G-E	K. Suresh	<i>Effects of plasma parameters and collection region on synthesis of nano and spheroidization of nickel particles during thermal plasma processing</i>
FH1•P2-108	G-E	Y. Sakamoto	<i>Observation of composite carbon nanostructures produced by plasma and ion beam combined syntheses</i>
FH1•P2-109	G-E	Y. Yoshihara	<i>Characterization of carbon nanoclusters synthesized by using the well-controlled thermal plasmas</i>
FH1•P2-110	G-E	Z. Ghorannevis	<i>Effect of gold catalytic layer thickness on growth of single-walled carbon nanotubes using thermal and plasma CVD</i>
FH1•P2-111	G-F/F-H	A. Mahmoodi	<i>Effect of catalyst electron beam pretreatment on the growth of carbon nanotubes by chemical vapor deposition</i>
FH1•P2-112	G-F/F-H	S. Aouki	<i>Preparation of carbon-nano tubes based gas sensor by using plasma assisted organ-metal catalytic source method</i>
FH1•P2-113	G-F/F-H	T. Shigematsu	<i>The crystallization of carbon nanotubes in liquid helium</i>
FH1•P2-114	G-F/F-H	Y. Hirotsu	<i>Single-walled carbon nanotubes decorated with biological molecules using electrolyte plasmas</i>
AWM•P2-115	G-A	W. Oohara	<i>Catalytic effect on ionization of hydrogen</i>
AWM•P2-116	G-A	N. Takeuchi	<i>Multiple ray trace analysis for fast wave heating and current drive using combine antenna system</i>
AWM•P2-117	G-A	A. Aïssi	<i>Time-domain model of a traveling-wave tube</i>
AWM•P2-118	G-A	T. Gyergyek	<i>Studying the formation of the pre-sheath in an oblique magnetic field using a fluid model and PIC simulation</i>
AWM•P2-119	G-A	V. Muñoz	<i>Finite wavelength effects on Langmuir wave propagation in relativistic nonextensive plasmas</i>
AWM•P2-120	G-A	M. Zambra	<i>Current sheet thickness in the plasma focus snowplow model</i>

AWM•P2-121	G-A	R. P. Sharma	<i>Effect of laser beam filamentation on plasma wave localization and electron heating</i>
AWM•P2-122	G-A	P. K. Shukla	<i>Strong magnetic field generation in dense quantum plasmas due to the Weibel instability</i>
AWM•P2-123	G-A	A. S. Bains	<i>Modulational instability of weakly relativistic ion acoustic wave in warm electron-positron-ion plasma.</i>
AWM•P2-124	G-A	M. Hirota	<i>Action-angle variables for the ideal-MHD continuous spectrum</i>
AWM•P2-125	G-A	J. Ekeberg	<i>Modeling of solitary waves in a low-beta plasma</i>
AWM•P2-126	G-A	L. A. Rios	<i>Neutrino-driven instabilities in very dense plasmas</i>
AWM•P2-127	G-A	W. M. Moslem	<i>Electrostatic solitary waves in multicomponent nonthermal plasma</i>
AWM•P2-128	G-A	P. K. Shukla	<i>Localized electromagnetic waves in a magnetized electron-positron plasma</i>
AWM•P2-129	G-A	H. Nakano	<i>Characteristics of spontaneous magnetic fluctuations in ECR plasma in linear device</i>
AWM•P2-130	G-A	Y. Ohara	<i>Selective heating of helium ion in a magnetized sheet plasma</i>
AWM•P2-131	G-A	I. Tsukabayashi	<i>Observation of drift waves due to flute instability around a magnetic dipole</i>
AWM•P2-132	G-A	M. Ichimura	<i>Parametric excitation of low frequency waves in ICRF-produced plasmas on GAMMA 10</i>
AWM•P2-133	G-A	V. N. Pavlenko	<i>Nonstationary parametric processes in relativistic semi-bounded plasma</i>
AWM•P2-134	G-A	V. N. Pavlenko	<i>Diffusion in parametrically unstable magnetized plasma</i>
AWM•P2-135	G-B	K. S. Goswami	<i>Effect of magnetic field on MHD pressure drop inside a rectangular conducting duct</i>
AWM•P2-136	G-B	S. Vahedi	<i>Experimental study of runaway electrons in IR-T1 tokamak</i>
AFV•P2-137	G-A/F-B	K. Saeki	<i>Monopole drift-wave vortices in a viscous magnetized plasma</i>
AFV•P2-138	G-C/F-B	V. I. Maslov	<i>Solitary electron wake bubble – vortex</i>
AFV•P2-139	G-A/F-B	J. Gruber	<i>Mapping of thermal plasma jet non-linear dynamics in reconstructed phase space</i>
AFV•P2-140	G-A/F-B	M. Vlad	<i>Quasi-stable structures of vortex crystals as extrema of an action functional</i>
AFV•P2-141	G-A	Y. Saitou	<i>Estimation of minimum size of electrodes for face-toface double probe using two-dimensional particle-in-cell simulation</i>
AFV•P2-142	G-A	S. Takamura	<i>Bifurcation of atmospheric helium jet discharge and dynamic behavior of plasma/gas mixture flow</i>
AFV•P2-143	G-A	C. O. Harahap	<i>Numerical computation of flows with moving boundaries using an immersed interface method</i>
AFV•P2-144	G-A	Y. Nambu	<i>Acoustic black hole in plasma flow-theory: observation of a classical analogue to the Hawking radiation</i>
AFV•P2-145	G-A	K. Yoshida	<i>Flowing characteristics of cold arc jet plasma along open field lines</i>
AFV•P2-146	G-A	S. Enge	<i>Measurements of Ar-ion flow in negative ion containing plasmas</i>
AFV•P2-147	G-A	Y. Yatsuyanagi	<i>Statistical mechanical understanding of two-dimensional point vortex system at negative absolute temperature</i>
AFV•P2-148	G-A	H. Takana	<i>Control of charged nano/micro particle behavior in an impinging supersonic jet</i>
AFV•P2-149	G-A	T. Gohda	<i>Dynamic behavior of dust flow with velocity shear in RF plasma</i>

AFV•P2-150	G-A/F-B	K. Ogiwara	<i>Measurement of neutral flow velocity field associated with anti-<math>E \times B</math> vortex</i>
AFV•P2-151	G-A	D. Nakata	<i>Sheath fall measurement in a parallel-plate magnetoplasma dynamic accelerator</i>
BEH•P2-152	G-B	M. Uchida	<i>Solenoid-free formation of spherical torus by ECH/ECCD in the low aspect ratio torus experiment device</i>
BEH•P2-153	G-B	E. A. Veshchev	<i>Fast particles loss-cone measurements by angular resolved multi sightline neutral particle analyzer (ARMS-NPA) on large helical device (LHD)</i>
BEH•P2-154	G-B	T. Ozaki	<i>Radial profiles of high-energy particles in NBI and ICH plasmas measured by pellet charge exchange technique on large helical device</i>
BEH•P2-155	G-B	S. Kubo	<i>Higher harmonic ECE spectrum and its change during ECRH in LHD</i>
BEH•P2-156	G-B	K. Nagaoka	<i>Observation of anomalous fast ion transport induced by MHD activities in HELIOTRON J</i>
BEH•P2-157	G-B	H. Idei	<i>Ray trace and Fokker-Planck analyses for electron Bernstein wave heating and current drive in QUEST</i>
BEH•P2-158	G-B	T. Ito	<i>Possibility of excitation of Alfvén eigenmodes by energetic ions near the plasma edge in the compact helical system</i>
BEH•P2-159	G-B	M. Osakabe	<i>Proposal of neutral beam injection to QUEST</i>
BEH•P2-160	G-B	K. Sathyanarayana	<i>Second harmonic pre-ionization / start-up experiments in tokamak ADITYA</i>
BEH•P2-161	G-B	Y. Jawad	<i>Photon temperatures of hard X-ray emission of LHCD plasmas and current drive efficiency in the HT-7 tokamak</i>
BEH•P2-162	G-B	R. Kumazawa	<i>Electron heating by ICRF mode-conversion heating in LHD</i>
BTT•P2-163	G-B	Y. Murakami	<i>Confinement properties of improved low aspect ratio <math>l=1</math> helical system</i>
BTT•P2-164	G-B	M. Toma	<i>Analysis of the high-<math>Z</math> impurity transport in a tokamak by the IMPGYRO code</i>
BTT•P2-165	G-B	A. Matsuyama	<i>Neoclassical transport calculation based on the correlation function and collisional <math>\delta f</math> schemes</i>
BTT•P2-166	G-B	T. Yamamoto	<i>A global simulation study of ICRF heating by TASK/WM and GNET in toroidal plasmas</i>

BTT•P2-167	G-B	H. Nuga	<i>Self-consistent analysis of fundamental and higher harmonic ICRF heating in tokamak plasmas</i>
BTT•P2-168	G-B	T. Fukue	<i>Effect of nuclear elastic scattering on fusion product spectrum in self-sustaining D<sup>3</sup> He plasmas</i>
BTT•P2-169	G-B	K. Hamamatsu	<i>Numerical modelling of high energy ion transport in tokamak plasmas</i>
BTT•P2-170	G-B	T. Ozeki	<i>Integrated modeling for control of advanced tokamak plasma</i>
BTT•P2-171	G-B	R. Kanno	<i>Monte-Carlo simulation of transport in ergodic region</i>
BTT•P2-172	G-B	S. Futatani	<i>Influence of impurity concentrations on transport properties in tokamak plasmas</i>
BTT•P2-173	G-B	F. da Silva	<i>A numerical study of forward- and back-scattering signatures on Doppler reflectometry signals</i>
BTT•P2-174	G-B	K. Hizanidis	<i>Diffusion of electrons by radio frequency waves and non-axisymmetric perturbations in toroidal plasmas</i>
BTT•P2-175	G-B	M. M. Hatami	<i>Effects of the second ion species density on characteristics of a three-component plasma sheath</i>
BTT•P2-176	G-B	R. Kumazawa	<i>Characteristics of complex conjugate impedance antenna for ICRF heating</i>
BTT•P2-177	G-B	S. Cappello	<i>On trapped particles in reversed field pinches</i>
BTT•P2-178	G-B	J. Urban	<i>EBW simulations in experimental context</i>
BTT•P2-179	G-B	H. Naitou	<i>Development and parallelization of gyrokinetic PIC code for MHD simulation</i>
EPS•P2-180	G-E/F-H	Y. Setsuhara	<i>Control of ion energy distributions in inductively-coupled plasmas driven by low-inductance antenna modules</i>
EPS•P2-181	G-E	D-W. Han	<i>Improvement of cathode usage of a planar magnetron sputtering source by changing magnetic field distribution</i>
EPS•P2-182	G-E	F. M. Aghamir	<i>Study of plasma sheath formation in a low energy plasma focus</i>
EPS•P2-183	G-E	H. Toyoda	<i>Production of one-meter square high density microwave plasma for thin film deposition</i>
EPS•P2-184	G-E	H. Osawa	<i>Numerical study of glow discharge in pulse operation of IEC device with confronting two plasma sources</i>
EPS•P2-185	G-E	I. V. Litovko	<i>Cylindrical gas discharge of magnetron type model</i>
EPS•P2-186	G-E	K. Takahashi	<i>Double layer formation in a low-pressure argon plasma expanded by permanent magnets</i>
EPS•P2-187	G-E	M. V. Roshan	<i>High energy deuterons emission in NX2 plasma focus</i>
EPS•P2-188	G-E	M. Tichy	<i>Spatial plasma profiles in a dc-energized hollow-cathode plasma jet system</i>
EPS•P2-189	G-E	N. N. Bogatov	<i>Photoemission discharge</i>
EPS•P2-190	G-E	R. S. Rawat	<i>A fast miniature plasma focus based compact and portable nanosecond pulsed neutron source</i>
EPS•P2-191	G-E	S. Iizuka	<i>Electron temperature control by applying dc voltage to a mesh grid blanketed with thin films in reactive plasmas</i>
EPS•P2-192	G-E	T. Tanikawa	<i>Characterization of a new helicon plasma source with a segmented multi-loop antenna</i>
EPS•P2-193	G-E	T. Nishimura	<i>Excitation of a linear magnetized plasma with a coaxial microwave applicator</i>
EPS•P2-194	G-E	Y. Ohtsu	<i>Two-dimensional spatial structure of inductively coupled plasma with one internal loop antenna</i>

EPS•P2-195	G-E	Y. Ohtsu	<i>High density capacitive plasma with multi-hollow cathode discharge and secondary electron emission</i>
EPS•P2-196	G-E	Y. Akashi	<i>A large volume high pressure plasma source by using cylindrical parallel MCS discharge</i>
EPS•P2-197	G-E	C. Berenguer	<i>Electron collision excitation of AR I and XE I metastable levels</i>
EPS•P2-198	G-E	K. Katsonis	<i>Transition probabilities of the argon atom and its ions</i>
ELX•P2-199	G-E/F-G	K. Matsumoto	<i>UV-emission from poly-phase molecular discharge/plasma confined by multi-pole magnetic field</i>
ELX•P2-200	G-E	M. Naka	<i>Measurements of distributions of Ba atom density and electrode temperature in low-pressure fluorescent lamp</i>
ELX•P2-201	G-E	Y. Shimizu	<i>Damage acceleration of electrodes in a low pressure Hg discharge lamp by shorttime turn on/ turn off operation</i>
ELX•P2-202	G-E	Y. Shata	<i>Study on the wall blackning of a high intensity discharge lamp</i>
ELX•P2-203	G-E/F-G	Y. Sakai	<i>The possibility of a capillary discharge soft X-ray laser with shorter wavelength by utilizing a recombination scheme</i>
ELX•P2-204	G-E	S. Takahashi	<i>Fast pulsed capillary discharge for lasing of a recombination soft X-ray laser</i>
EST•P2-205	G-E/F-F	M. Wada	<i>Effective work function of an oxide cathode in plasma</i>
EST•P2-206	G-E	T-H. Chen	<i>Atmospheric-pressure spin plasma jet processing for polymethylmetacrylate treatment using experimental design methodology</i>
EST•P2-207	G-E	S. Moradian	<i>Investigating the effect of power/time in the wettability of Ar and O<sub>2</sub> gas plasma treated low density polyethylene</i>
EST•P2-208	G-E/F-F	A. N. Veklich	<i>Surface treatment of composite electrodes by arc discharge plasma</i>
EST•P2-209	G-E/F-F	C. P. Cornet	<i>Numerical simulation of plasma immersion ion implantation on insulators</i>
EST•P2-210	G-E/F-F	K. Tokunaga	<i>Ellipsometry measurement on metallic mirror materials irradiated with low energy helium ion</i>
EST•P2-211	G-E/F-F	V. S. Voitsenya	<i>Behavior of mirrors of metal amorphous alloys under ion bombardment</i>
EST•P2-212	G-E/F-H	Y. Setsuhara	<i>Low-damage plasma processing of polymers for high-quality organic-inorganic hybrid device fabrications with low-potential plasmas driven by low-inductance antenna modules</i>
EST•P2-213	G-E	E. Anzawa	<i>Polymer surface modification for adhesion using surface-wave excited argon plasma with acetic acid</i>
EST•P2-214	G-E	A. Kobayashi	<i>Micro structure and property of Zr-based metallic glass coating formed by gas tunnel type plasma spraying</i>
EST•P2-215	G-E	A. M. Lungu	<i>Antifriction properties comparison of layers prepared by thermionic vacuum arc and plasma spray</i>
EST•P2-216	G-E	C-J. Wu	<i>Zinc oxide coatings using atmospheric pressure plasma deposition</i>
EST•P2-217	G-E	H. Ebrahimian	<i>Effect of nitrogen ion implantation on corrosion resistance of Ti films deposited on steel 304 by ion beam sputtering</i>
EST•P2-218	G-E	K. Taniguchi	<i>Behavior of nitrogen radicals in plasma treatment of PET films</i>
EST•P2-219	G-E	K. Nagai	<i>Hydrophilization of polycarbonate by Ar glow discharge</i>
EST•P2-220	G-E	M. Ghoranneviss	<i>Effect of low temperature plasma treatment on poly vinyl chloride film</i>
EST•P2-221	G-E	M. Khoramabadi	<i>Effects of ion temperature on collisional dc sheath in plasma ion implantation</i>
EST•P2-222	G-E	M. Moradshahi	<i>Investigation of the corrosion behavior of TiN coated aluminum samples by plasma sputtering</i>

EST•P2-223	G-E	N. Saoula	<i>Influence of nitrogen content on the structural, and mechanical properties of TiN thin films</i>
EST•P2-224	G-E	P. Suanpoot	<i>A SF<sub>6</sub> RF plasma reactor for surface modification of Thai silk</i>
EST•P2-225	G-E	R. Sasaki	<i>Atmospheric large sized remote plasma source for hydrophilization of metal surface</i>
EST•P2-226	G-E	R. Ichiki	<i>Surface nitriding of light metals using electron-beam-excited-plasma (EBEP) source</i>
EST•P2-227	G-E	S. Y. Allan	<i>Ion energy distributions in mesh assisted plasma immersion ion implantation.</i>
EST•P2-228	G-E	S. Furukawa	<i>Investigation of the gas dependence of dry surface decontamination performance in low-pressure arc plasmas</i>
EST•P2-229	G-E	S. Yoshida	<i>Surface treatment of cellulose in microwave-excited plasmas at atmospheric pressure</i>
EST•P2-230	G-E	T. Toda	<i>Production of high quality Ti-Hap functionally graded coating using well-controlled thermal plasmas</i>
EST•P2-231	G-E	T. Y. Cho	<i>A study on the surface modification by HVOF coating of WC-CrCo powder and by laser heat treatment of the coating</i>
EST•P2-232	G-E	W. T. Hsieh	<i>Flame retardant coating by atmospheric pressure plasma</i>
EST•P2-233	G-E	A. Qayyum	<i>Reactive sputter -deposition of titanium nitride on AISI 304 by plasma focus</i>
EST•P2-234	G-E	S. Inbakumar	<i>Surface modification and antibacterial analysis of plasma treated polyester</i>
FI•P2-235	G-E/F-A	M. Nasser	<i>Spatial profile of plasma potential oscillation in a magnetized inductive plasma discharges</i>
FI•P2-236	G-E	S. Iwashita	<i>Detection of nano-particles formed in CVD plasmas using a two-dimensional photon-counting laser-light-scattering method</i>
FI•P2-237	G-E	A. Kono	<i>Effect of multiphoton ionization in laser thomson scattering diagnostics of low-temperature plasmas</i>
FI•P2-238	G-E	H. Okumura	<i>Growth of neutral species in the downstream region of perfluorocarbon plasmas</i>
FI•P2-239	G-E	J. Kluson	<i>A diagnostic study of dc discharge in cylindrical magnetron in pulsed regime</i>
FI•P2-240	G-E	K. Inoue	<i>Main discharge power dependence of emission intensities in H<sub>2</sub>+C<sub>7</sub>H<sub>8</sub> plasmas</i>
FI•P2-241	G-E	K. Nagano	<i>Electron temperature and density measurement of cylindrical parallel MCS discharge plasma in atmospheric pressure</i>
FI•P2-242	G-E	K. Sasaki	<i>Spectroscopic studies of spark-plug assisted atmospheric-pressure microwave discharge</i>
FI•P2-243	G-E	K. Hattori	<i>A magneto-plasma-dynamic arcjet (MPDA) plasma density measurements by using multi-reflection type He-Ne laser interferometer</i>
FI•P2-244	G-E	M. Tichy	<i>Diagnostics of the hollow cathode plasma jet for TiO<sub>2</sub> thin films deposition</i>
FI•P2-245	G-E	T. Sasaki	<i>Spatial characterization of the plasma density in a magnetically expanding plasma using permanent magnets</i>
FI•P2-246	G-E	T. Ito	<i>Dynamic behavior of hydrogen and nitrogen radicals in pulse modulated induction thermal plasmas</i>
FI•P2-247	G-E	T. Sakuyama	<i>Investigation on spatial temperature decay of thermal plasma with polymer ablation</i>

FI•P2-248	G-E	W. M. Nakamura	<i>Optical emission spectroscopy of a magnetically enhanced multi-hollow discharge plasma for a-Si:H deposition</i>
FI•P2-249	G-E	Y. Horikawa	<i>Density measurements of metastable N<sub>2</sub> molecules and n atoms in ICP N<sub>2</sub> plasmas</i>
FI•P2-250	G-E	Y. Kubota	<i>Spectroscopic analysis of nitrogen atmospheric plasma jet</i>

16:00-16:30 Coffee Break

16:30-18:30 Oral Session Room X

	Name	Time(min)	Title of Paper
AWM•O2-X-1 G-A	A. Fukuyama	20	<i>Full wave analysis including finite gyroradius effects using integral dielectric tensor operator</i>
FA•O2-X-2 G-A/F-A	R. L. Dewar	20	<i>Adiabatic wave-particle interaction revisited</i>
AWM•O2-X-3 G-A	J. Vranjes	20	<i>Ion acoustic instability due to collisional energy transfer</i>
FA•O2-X-4 G-A/F-A	F. Skiff	20	<i>Ion phase-space fluctuations</i>
AFV•O2-X-5 G-A/F-B	A. I. Yakimenko	20	<i>Stable vector vortex solitons in plasmas</i>
AWM•O2-X-6 G-A	C. Uberoi	20	<i>Electron-inertia effects on the transverse gravitational instability</i>

16:30-18:30 Oral Session Room W

	Name	Time(min)	Title of Paper
FB•O2-W-1 G-B/F-B	V. Naulin	20	<i>Fast heat pulse propagation by turbulence spreading</i>
FB•O2-W-2 G-B/F-B	G. J. Morales	20	<i>Exponential frequency spectrum in magnetized plasmas</i>
BTT•O2-W-3 G-B	D. F. Escande	20	<i>When can the Fokker-Planck equation describe anomalous or chaotic particle transport?</i>
FF•O2-W-4 G-B/F-F	T. Tanabe	20	<i>Isotopic effects in hydrogen (H, D and T) retention at plasma facing surface</i>
FF•O2-W-5 G-B	M. Leconte	20	<i>Effects of resonant magnetic perturbations on the dynamics of edge transport barriers</i>
O2-W-6 G-B/F-F	C. Ionita	20	<i>Simultaneous measurements of electrostatic and magnetic fluctuations in ASDEX upgrade edge plasma</i>

16:30-18:30 Oral Session Room Y

	Name	Time(min)	Title of Paper
FB•O2-Y-1 G-D/F-B	E. Nordblad	20	<i>Orbital angular momentum and space plasma waves</i>
AWM•O2-Y-2 G-A	J. Zheng	20	<i>Fluctuations and waves in pair plasmas with inclusion of Coulomb collisions</i>
FC•O2-Y-3 G-D/F-C	R. Matsumoto	20	<i>Global simulations of disk-jet connection</i>
FF•O2-Y-4 G-B/F-F	S. Kuhn	20	<i>Gradient-length analysis of the magnetized plasma-wall transition (MPWT)</i>
AWM•O2-Y-5 G-A	K. Takahashi	20	<i>Electron energy distribution functions correlating with the formation of a helicon double layer</i>
ANN•O2-Y-6 G-A	M. Aramaki	20	<i>Observation of phase transitions of 1-dimensional ion cloud in a linear RF trap</i>

16:30-18:30 Oral Session

Room Z

		Name	Time(min)	Title of Paper
EST•O2-Z-1	G-E/F-H	M. Nisoa	20	<i>Surface modification of cellulose membrane by plasma assisted deposition of hydrocarbon films</i>
EAP•O2-Z-2	G-E	Y. Sugi	20	<i>High-rate silicon oxide etching using an atmospheric-pressure microplasma</i>
EMS•O2-Z-3	G-E	H. Yamada	20	<i>Microwave plasma generated in a narrow gap for synthesis of single-crystalline diamond</i>
EAP•O2-Z-4	G-E	M. J. Pinheiro	20	<i>Atmospheric dielectric barrier discharges suitable for aerodynamic effects</i>
FI•O2-Z-5	G-E	K. Uchino	20	<i>Laser thomson scattering diagnostics of dielectric barrier discharge plasmas</i>
ELP•O2-Z-6	G-E	S.A. Pikuz Jr.	20	<i>Fast ions generation by femtosecond laser pulse effective coupling into snow nanoparticles</i>

18:45-22:00 International Workshop on  
Plasma Applications

Room Z

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*WEDNESDAY, September 10*

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8:30–9:15 Plenary Lecture Room V

	Name	Time(min)	Title of Paper
FC•PL3-1	G-D/F-C	C. Thompson	45 <i>Physics of neutron stars with super-QED magnetic fields</i>

9:15–10:00 Plenary Lecture Room V

	Name	Time(min)	Title of Paper
CFI•PL3-2	G-C	R. B. Stephens	45 <i>Energy injection for fast ignition</i>

10:00–10:45 SemiCentennial Lecture Room V

	Name	Time(min)	Title of Paper
SC1	A. Iiyoshi	45	<i>Development of fusion science studies in the fifty years</i>

10:45–11:00 Coffee Break

11:00–12:30 Invited Talk Room W

	Name	Time(min)	Title of Paper
FB•I 3-W-1	G-B/F-B	M. Vlad	30 <i>Trapping, anomalous transport and quasi-coherent structures in magnetically confined plasmas</i>
FC•I 3-W-2	G-A/F-B/F-C	L.-N. Hau	30 <i>Fluid and kinetic theory of fire-hose instabilities</i>
FB•I 3-W-3	G-B/G-A/F-B	M. G. Shats	30 <i>Spectrally condensed fluid turbulence and L-H transitions in plasma</i>

11:00–12:30 Invited Talk Room V

	Name	Time(min)	Title of Paper
FC•I 3-V-1	G-D/F-C	H. Ji	30 <i>Experimental study of angular momentum transport in astrophysically relevant flows</i>
BEM•I 3-V-2	G-B	P. Zanca	30 <i>Beyond the intelligent-shell concept: the clean-mode-control for tearing perturbations</i>
BEM•I 3-V-3	G-B/F-C	X. Wang	30 <i>Mode conversion and wave mediated reconnection</i>

12:30–18:30 Tour around Aso

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*THURSDAY, September 11*

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8:30-9:15 Plenary Lecture Room V

		Name	Time(min)	Title of Paper
EPS•PL4-1	G-E	P. Chabert	45	<i>Physics of multiple-frequency capacitive discharges used for plasma processing applications</i>

9:15-10:00 Plenary Lecture Room V

		Name	Time(min)	Title of Paper
FD•PL4-2	G-A/F-D	A. Piel	45	<i>Plasma crystals -structure and dynamics</i>

10:00-10:30 Coffee Break

10:30-12:30 Invited Talk Room W

		Name	Time(min)	Title of Paper
FD•I 4-W-1	G-A/F-D	S. I. Popel	30	<i>Dusty plasma processes in geophysics</i>
ANN•I 4-W-2	G-A	C. F. Driscoll	30	<i>Trapped-particle-mediated asymmetry induced transport and damping</i>
ANN•I 4-W-3	G-A	I. Iosilevskiy	30	<i>Non-congruent phase coexistence in equilibrium Coulomb systems</i>
AWM•I 4-W-4	G-A	L. O. Silva	30	<i>White light parametric instabilities in plasmas</i>

10:30-12:30 Invited Talk Room V

		Name	Time(min)	Title of Paper
FC•I 4-V-1	G-C/F-C	M. Koenig	30	<i>Recent experiments on laboratory astrophysics at LULI</i>
FG•I 4-V-2	G-E/G-C/F-G	S. Fujioka	30	<i>Laser-produced extreme ultraviolet light source plasma for the next generation lithography application</i>
FG•I 4-V-3	G-E/F-G	O. Sakai	30	<i>Microplasma array serving as photonic crystals and plasmon chains</i>
EPS•I 4-V-4	G-E	U. Czarnetzki	30	<i>Wave heating in helicon and flat coil neutral loop discharges</i>

12:30-14:00 Lunch Break

14:00-16:00 Poster Session P3 PY, PZ, PV, PW, PX

		Name	Time(min)	Title of Paper
FB•P3-001	G-D/F-B	W. M. Macek		<i>Multiscale multifractal intermittent turbulence in space plasmas</i>
FB•P3-002	G-D/F-B	V. A. Pilipenko		<i>MHD wave conversion: lessons from the terrestrial magnetosphere</i>
FB•P3-003	G-D/F-B	H. R. Pakzad		<i>Ion acoustic solitary waves in weakly relativistic plasma with nonthermal electron, positron and warm ion</i>
FB•P3-004	G-D/F-B	H. Khalilpour		<i>Dynamic of beam-driven plasma waves and drift rate of type III radio burst in nonuniform solar wind plasma</i>
FB•P3-005	G-D/F-B	T. Hada		<i>Bi-spectrum analysis of MHD turbulence using multi-spacecraft data</i>
FB•P3-006	G-D/F-B	T. Hada		<i>Transport of energetic particles in large amplitude MHD turbulence</i>
FB•P3-007	G-D/F-B	H. Hasegawa		<i>Multi-scale structure of Kelvin-Helmholtz vortices detected at the earth's magnetospheric boundary</i>

FB•P3-008	G-D/F-B	S. C. Chapman	<i>Self-similar scaling of fluctuations in the turbulent solar wind: in situ turbulence and coronal signatures.</i>
FB•P3-009	G-D/F-B	K. Tsubouchi	<i>Alfven wave evolution in a corotating interaction region</i>
FB•P3-010	G-D/F-B	H. Ohno	<i>Effects of small wavenumber Alfvén waves on particle acceleration</i>
FB•P3-011	G-D/F-B	R. Yoshitake	<i>Macroscopic electric field generation in the relativistic plasma fluids</i>
FB•P3-012	G-D/F-B	Y. V. Kizyurov	<i>Plasma density fluctuations in turbulent flows of active regions of the solar photosphere</i>
FB•P3-013	G-D/F-B	Y. Matsumoto	<i>Decay and coalescence of the Kelvin-Helmholtz vortices</i>
FB•P3-014	G-D/F-B	P. K. Shukla	<i>3D simulations of compressible Hall MHD turbulence</i>
FB•P3-015	G-D/F-B	P. K. Shukla	<i>Dynamics of large amplitude EMHD structures in magnetized plasmas</i>
FB•P3-016	G-D/F-B	H. Hasegawa	<i>Effect of microscopic instability on quiet auroral arc formation</i>
FB•P3-017	G-D/F-B	S. Matsukiyo	<i>Relativistic particle acceleration in developing Alfven turbulence</i>
FB•P3-018	G-D/F-B	M. Strumik	<i>Markovian character and transfer of fluctuations in solar wind turbulence</i>
FB•P3-020	G-D/F-B	I. Kitiashvili	<i>Role of the turbulent magnetic helicity in the non-linear behavior of solar dynamo</i>
FB•P3-021	G-D/F-B	T. K. Nakamura	<i>Dissipation processes in relativistic plasmas</i>
FB•P3-022	G-F/F-B	K. Rypdal	<i>Turbulent and avalanching cascades in a dusty plasma monolayer</i>
FD•P3-023	G-A/F-D	K. Jiang	<i>Mach cones in a three-dimensional complex plasma</i>
FD•P3-024	G-A/F-D	I. M. Tkachenko	<i>Dynamic properties of dusty plasmas with external ionization sources</i>
FD•P3-025	G-A/F-D	S. A. Maierov	<i>Modelling of dust particle charging in the upper atmosphere</i>
FD•P3-026	G-A/F-D	N. F. Cramer	<i>Nonlinear dust-lattice waves: a modified Toda lattice</i>
FD•P3-027	G-A	S. A. Khan	<i>Electrostatic nonlinear structures in very dense magnetized plasmas</i>
FD•P3-028	G-A/F-D	D. Shimizu	<i>3D structures and fluctuations of charged fine particles in ac trap</i>
FD•P3-029	G-A/F-D	J. Kubota	<i>Coulomb cluster in a plasma under cryogenic environment</i>
FD•P3-030	G-A/F-D	N. S. Saini	<i>Study of solitary structures in multispecies magnetized dusty plasma</i>
FD•P3-031	G-A/F-D	W. Sekine	<i>Dust dynamics in cryogenic environment</i>
FD•P3-032	G-A/F-D	M. Shindo	<i>Dust charge in collisional plasma in liquid helium vapor</i>
FD•P3-033	G-A/F-D	M. Chaudhuri	<i>Ion drag force on an absorbing grain and electric potential distribution in highly collisional plasma in the presence of plasma production and loss</i>
FD•P3-034	G-A/F-D	Y. Hayashi	<i>Behaviors of fine particles in a planar magnetron plasma</i>
FD•P3-035	G-A/F-D	D. Ping	<i>The distribution of dust particles in the plasma sheath</i>
FD•P3-036	G-A/F-D	N. Shukla	<i>Generation of magnetic field in positive-negative dusty plasma</i>
FD•P3-037	G-A/F-D	I. Kourakis	<i>Nonlinear excitations in dusty plasma crystals: a survey of recent theoretical results</i>
FD•P3-038	G-A/F-D	S. K. Sharma	<i>Characteristics of solitary waves in dusty multicomponent plasma</i>
FD•P3-039	G-B/F-D	Ye. V. Martysh	<i>Peculiarities of dust transport in edge plasma</i>
FD•P3-040		T. S. Ramazanov	<i>Effective potentials and physical properties of strongly coupled plasma</i>
FD•P3-041	G-D/F-D	F. Verheest	<i>Acoustic solitons in plasmas with cold negative and warm positive dust</i>
FD•P3-042	G-D/F-D	S. V. Vladimirov	<i>Nonlinear waves in dusty plasma</i>
FD•P3-043	G-D/F-D	B. Roy	<i>Effect of secondary electron emission on the propagation of dust ion acoustic (DIA) waves in a complex plasma</i>

FD•P3-044	G-D/F-D	S. Sarkar	<i>Jeans instability due to drifting of negatively charged dust grains in a complex plasma in presence of secondary electron emission</i>
FD•P3-045	G-E/F-D	P. K. Shukla	<i>Critical point phenomena in a magnetized dusty plasma</i>
FD•P3-046	G-E/F-D	B. Erdev	<i>The charging of dust in weakly ionized and high pressure plasma</i>
FD•P3-047	G-E/F-D	O. Yu. Kravchenko	<i>Computer simulation of ion energy distributions in RF discharges with dust particles</i>
FD•P3-048	G-E/F-D	S. Iwashita	<i>A comparison of dust particles produced due to interaction between graphite and plasmas: LHD vs helicon discharges</i>
FD•P3-049	G-E/F-D	T. Y. Lisitchenko	<i>Layer-like structure of radio-frequency discharge with dust particles</i>
FD•P3-050	G-E/F-D	V. Yu. Karasev	<i>Macrospin of the dust granule</i>
FD•P3-051	G-E/F-D	Y. Li	<i>Dust transport in stripe electrode device</i>
FE•P3-052	G-B/F-E	T. Shoji	<i>Excitation and suppression of Alfvén eigenmodes (AES) by using DED coils</i>
FE•P3-053	G-B/F-E	M. Isobe	<i>Lorentz alpha orbit calculation in search for position suitable for escaping alpha particle diagnostics for ITER</i>
FE•P3-054	G-B/F-E	M. Ishikawa	<i>Development of microfission chamber for fusion power diagnostics on ITER</i>
FE•P3-055	G-B/F-E	K. Yamazaki	<i>Impurity behavior in ITER and helical burning plasmas with internal transport barrier</i>
FE•P3-056	G-B/F-E	T. Oishi	<i>Pellet and gas-puff fueling simulation in ITER and power plant plasmas using "TOTAL" code</i>
FE•P3-057	G-B/F-E	S. Saadat	<i>Statistical analysis on frequency oscillation Mirnov in IR-T1 tokamak</i>
FE•P3-058	G-B/F-E	S. Saadat	<i>Mirnov coil analysis by singular value decomposition method in IR-T1 tokamak</i>
FE•P3-059	G-B/F-E	H. Jhang	<i>Modification of Alfvén continuum frequency by plasma rotation</i>
FE•P3-060	G-B/F-E	N. Poolyarat	<i>Sensitivity study of plasma in HL-2A tokamak</i>
FE•P3-061	G-B/F-E	Z. T. Wan	<i>Relativistic quasi-linear description of three-dimension diffusion</i>
FE•P3-062	G-B/F-E	T. Onjun	<i>ITER performance study with the presence of internal transport barrier</i>
FE•P3-063	G-F/F-E	H. Liu	<i>My advice to ITER-driven plasma physics</i>
FG•P3-064	G-C/F-G	E. Takahashi	<i>Proton acceleration by high-intensity UV laser irradiation with thin foil targets</i>
FG•P3-065	G-C/F-G	A. Sagisaka	<i>Observation of UV harmonics from a thin-foil target in high-intensity laser-driven proton generation</i>
FG•P3-066	G-C/F-G	R. Sugaya	<i>Acceleration of relativistic electron beam trapped in extraordinary beat wave</i>
FG•P3-067	G-C/F-E	H. K. Malik	<i>Generation of wakefield by microwave pulse of Gaussian-like shape in waveguide</i>
FG•P3-068	G-C/F-G	Y. Nodera	<i>Efficient laser proton-beam generation by a tailored hole target</i>
FG•P3-069	G-C/F-G	A. Korzhimanov	<i>Proton and light ion acceleration in rarefied targets irradiated by superstrong laser pulses</i>
FG•P3-070	G-C/F-G	E. A. Orozco	<i>Simulation of electron's beam acceleration by electromagnetic field in statics inhomogeneous magnetic field</i>
FG•P3-071	G-C/F-G	A. C. Ting	<i>Observation of large-angle quasi-monoenergetic electrons from a laser wakefield in the blowout regime</i>
FG•P3-072	G-E	H. Hojo	<i>Electromagnetic wave characteristics in plasma photonic crystals</i>
FG•P3-073	G-E/F-G	V. I. Maslov	<i>Instability excitation in EUV source</i>

FG•P3-074	G-E	A. Sunahara	<i>Radiation hydrodynamic simulation of extreme ultra-violet emission from laser-produced Tin plasmas</i>
FG•P3-075	G-E	S. M. Hassan	<i>Miniature plasma focus- modeling of plasma dynamics</i>
FG•P3-076	G-E	K. Takasugi	<i>Behavior of debris in a gas-puff Z-pinch</i>
FG•P3-077	G-E	K. Takasugi	<i>Gas-puff design and hot spot formation in a Z-pinch plasma</i>
FG•P3-078	G-E	K. Tomita	<i>Collective laser Thomson scattering studies of laser produced EUV plasmas</i>
FG•P3-079	G-E	O. Sakuchi	<i>Development of xenon gas-jet Z-pinch discharge and laser triggered Tin discharge light sources for EUV lithography</i>
FG•P3-080	G-E	T. Suganuma	<i>ECR heating of laser produced Sn plasma for drift control in B field</i>
FG•P3-081	G-E	T. Akiyama	<i>Imaging diagnostics of debris from double pulse laser-produced Tin plasma for EUV light source</i>
FG•P3-082	G-C/F-G	K. Kondo	<i>Ultrafast plasma photonics - measurement and control of laser wakefield plasmas -</i>
ANN•P3-083	G-A	R. Pakter	<i>Image effects on the transport of intense nonaxisymmetric charged beams</i>
ANN•P3-084	G-A	Y. Yuri	<i>Coulomb coupling and heating of charged particle beams in the presence of dispersion</i>
ANN•P3-085	G-A	K. Nakamura	<i>Numerical studies on inward penetration of electrons in helical non-neutral plasmas</i>
ANN•P3-086	G-A	K. Ito	<i>Tune depression of ion plasmas observed in a linear Paul trap</i>
ANN•P3-087	G-A/F-H	H. Totsuji	<i>Finite two-dimensional systems of electrons at zero and finite temperatures: simulations based on classical-map hypernetted chain method</i>
ANN•P3-088	G-A	M. Kenji	<i>Method of calculations PIC simulations by special purpose computer system for gravitational N-body problems</i>
ANN•P3-089	G-A/F-B	T. Shoji	<i>Structure and dynamics of current filaments in dielectric barrier discharge</i>
ANN•P3-090	G-A	M. Aramaki	<i>Development of non-destructive Doppler-LIF system for laser-cooled ions in a linear RF trap using a modulated probe-laser technique</i>
BEM•P3-091	G-B	Y. Narushima	<i>MHD stability analysis of IDB plasma in LHD</i>
BEM•P3-092	G-B	S. Yamamoto	<i>Studies of mhd instabilities using data mining technique in heliotron j</i>
BEM•P3-093	G-B	Y. Kikuchi	<i>MHD relaxation and plasma flow driven by coaxial helicity injection in the HIST spherical torus device</i>
BEM•P3-094	G-B	J. J. Martinell	<i>Modelling ion acceleration in a Z-pinch by an m=0 instability with Hall-MHD</i>
BEM•P3-095	G-B	A. Tarifeño	<i>Neutron emission optimization of a small plasma focus operated at tens of joules</i>
BEM•P3-096	G-B	A. Salar elahi	<i>Fabrication of magnetic probes for measurement of plasma displacement in IR-T1 tokamak</i>
BEM•P3-097	G-B	A. Salar elahi	<i>Comparative measurements of plasma position using magnetic probe and CCD camera in IR-T1 tokamak</i>
BEM•P3-098	G-B	S. Feizi	<i>Suppression of tearing mode in IR-T1 tokamak by using helical magnetic field</i>
BEM•P3-099	G-B	Si-Woo Yoon	<i>Startup scenario and operational boundary of KSTAR 1st plasma (experiment and modeling)</i>
BEM•P3-100	G-B	W. C. Kim	<i>Start-up of KSTAR tokamak</i>

BEM•P3-101	G-B	K. Y. Watanabe	<i>Confinement properties of the LHD configuration achieving the highest beta value</i>
BEM•P3-102	G-B	C. Pavez	<i>Forming a hollow gas embedded Z-pinch by means of conical electrodes</i>
BEM•P3-103	G-B	M. P. Bora	<i>Neoclassical tearing modes in presence of flows with kinetic-neoclassical closure</i>
BTM•P3-104	G-B	T. Matsumoto	<i>Eigenvalue spectrum of MHD modes in cylindrical tokamak plasmas with small resistivity</i>
BTM•P3-105	G-B	M. Okamura	<i>Magnetic field properties of improved low aspect ratio l=1 helical system</i>
BTM•P3-106	G-B	B. Li	<i>Extension of electron dissipation region along the downstream direction in steady collisionless driven reconnection</i>
BTM•P3-107	G-B	T. Kanki	<i>Nonlinear MHD simulation of current drive by coaxial helicity injection in spherical torus</i>
BTM•P3-108	G-B	K. Ichiguchi	<i>Multi-scale MHD simulation incorporating pressure transport equation for LHD plasma</i>
BTM•P3-109	G-B	S. Tokuda	<i>Conjugate variable method in the Hamilton-Lie perturbation theory – some applications to plasma physics –</i>
BTM•P3-110	G-B	S. Nishimura	<i>Multi-scale dynamics of rotating drift-tearing mode</i>
BTM•P3-111	G-B	D. Chandra	<i>Nonlinear dynamics of multiple NTMs in tokamaks</i>
BTM•P3-112	G-B	M. Muraglia	<i>Nonlinear rotation of magnetic islands imbedded in small scale turbulence</i>
BTM•P3-113	G-B	M. J. Hole	<i>Equilibria and stability of a partially relaxed 3D MHD model with KAM surfaces</i>
BTM•P3-114	G-B	M. J. Hole	<i>A modulation model for frequency fine splitting of Alfvén eigenmodes in MAST</i>
BOR•P3-115	G-B	A. Fujimaru	<i>Effect of nuclear elastic scattering on energy transfer process of ICRF resonated ions in DT plasmas</i>
BOR•P3-116	G-B	H. Shibata	<i>Deuterium retention and desorption behavior of <math>Li_2TiO_3</math> under various deuterium ion irradiation temperatures</i>
BOR•P3-117	G-B	S. Nishio	<i>A possibility of tokamak based fusion-fission hybrid reactor</i>
BOR•P3-118	G-B	H. Matsuura	<i>Modification of alpha-particle emission spectrum and its effect on plasma heating characteristics in beam-injected DT plasmas</i>
CFI•P3-119	G-C/F-G	T. Johzaki	<i>Ignition and burn dynamics of DT fuels in impact fast ignition</i>
CFI•P3-120	G-C/F-G	K. A. Tanaka	<i>On the observation of super-penetrated ultra-intense laser light in over-dense plasma</i>
CFI•P3-121	G-C/F-G	A. Ya. Faenov	<i>Hollow ion spectra in warm dense laser-produced plasma observation and modeling.</i>
CFI•P3-122	G-C/F-G	M. Aggarwal	<i>Optical guiding of cylindrical Gaussian laser beam in relativistic plasma</i>
CFI•P3-123	G-C/F-G	H. Habara	<i>Development of high-order harmonic light spectrometer for observation of strong magnetic field generated by fast electrons in laser-plasma interactions</i>
CFI•P3-124	G-C/F-G	M. Wei	<i>Hybrid PIC modeling of relativistic electron beam transport in warm dense plasmas for fast ignition study</i>
CFI•P3-125	G-C/F-G	M. Koga	<i>Simultaneous measurement of implosion process and heating laser injection by using X-ray framing camera</i>
CFI•P3-126	G-C/F-G	R. Ondarza-Rovira	<i>Effect of modulation on intensity scaling in relativistic laser-plasma interactions</i>
CFI•P3-127	G-C/F-G	A. Okabayashi	<i>Monte-calro simulations for heating of superdense matter by relativistic electrons</i>

CFI•P3-128	G-C/F-G	R. D. Sydora	<i>Quasi-monoenergetic ions from collisionless expansion of multi-species spherical clusters</i>
CLF•P3-129	G-C/F-G	M. Khan	<i>Influence of non-sinusoidal corrugated interface on growth of Richtmyer-Meshkov instability</i>
CLF•P3-130	G-C/F-G	P. Nicolai	<i>Modelling of multidimensional effects in hot spot relaxation in laser-produced plasmas</i>
CLF•P3-131	G-C/F-G	T. Kikuchi	<i>Orbit increases of halo particles during bunch compression of high-current heavy ion beams</i>
CLF•P3-132	G-A/F-E	A. Ghasemizad	<i>The investigation of Rayleigh-Taylor instability growth rate in inertial confinement fusion</i>
CPF•P3-133	G-C/F-G	A. Singh	<i>Dynamics of filament formation in a laser produced collisional magnetoplasma</i>
CPF•P3-134	G-C/F-G	M. Habibi	<i>Correlation between plasma pinch intensity and current sheath symmetry at Amirkabir plasma focus facility</i>
CPF•P3-135	G-C/F-G	H. R. Yousefi	<i>Effect of anode design on the neutron emission in a dense plasma focus</i>
CPF•P3-136	G-C/F-G	H. R. Yousefi	<i>Ability investigation of dense plasma focus device for hydrogen-boron fuel fusion</i>
CPF•P3-137	G-C/F-G	S. A. Al-Mamun	<i>Chemically non-equilibrium modeling of argon inductively coupled thermal plasma with C-H-O systems</i>
CFR•P3-138	G-C/F-G	Y. Kajimura	<i>Numerical study for a protection of laser beam port by magnetic fields in the laser fusion reactor KOYO-F</i>
CFR•P3-139	G-C/F-G	M. Yoshida	<i>Hydrogen retention in the first wall tiles of JT-60U</i>
CFR•P3-140	G-C/F-G	H. Furukawa	<i>Dynamics of ablation plumes produced by fusion products in laser fusion liquid wall chamber</i>
EAP•P3-141	G-E/F-A	L. V. Simonchik	<i>Self-sustained normal dc atmospheric pressure glow discharge: from a micro-up to high current discharge</i>
EAP•P3-142	G-E	H. Sakakita	<i>Production of high density plasmas using focused multi atmospheric plasma jets</i>
EAP•P3-143	G-E	H. Inui	<i>Three-phase ac excited nonequilibrium atmospheric pressure plasma and surface modification process of polymer materials</i>
EAP•P3-144	G-E	J. H. Choi	<i>Temperature-dependent transition of discharge pattern during helium cryo-plasma</i>
EAP•P3-145	G-E	K. Miyaji	<i>Plasma production in pressurized carbon dioxide up to supercritical conditions</i>
EAP•P3-146	G-E	K. Matsuo	<i>Fluid mechanics of torch appearance in dc-driven atmospheric pressure air microplasmas</i>
EAP•P3-147	G-E	Y. Iwabuchi	<i>Characteristic analysis of a highly reactive air jet generated by atmospheric dielectric barrier discharge</i>
EAP•P3-148	G-E	Y. Okamoto	<i>Characteristics of helium microwave-induced atmospheric pressure plasma for fine particles analysis</i>
EAP•P3-149	G-E	Y. Matsudaira	<i>Development of novel nonequilibrium atmospheric pressure plasma with ultrahigh electron density and high cleaning performance on glass surface</i>
EAP•P3-150	G-E	K. Urabe	<i>Spatiotemporally resolved diagnostics of a microplasma jet using laser spectroscopy methods</i>
EAP•P3-151	G-E	J. Watanabe	<i>Discharge characteristics of multi-hole micro plasmas driven by ac high-voltages at atmospheric pressure</i>
EAP•P3-152	G-E	H. Fujiyama	<i>Generation of high ionization degree micro plasmas in narrow closed space surrounded by solid wall</i>

EAP•P3-153	G-E	S. Iizuka	<i>RF impulse barrier discharge for MgO microparticle production in sub-atmospheric pressure regime</i>
EAP•P3-154	G-E	T. Ueno	<i>Portable Marx generator for microplasma applications</i>
EAP•P3-156	G-E	K. Singh	<i>Electron transport in hydrogen thermal plasmas</i>
EAP•P3-157	G-E	S. Namba	<i>Transition from thermal to recombining plasma in a free expanding arc jet plasma generator</i>
EAP•P3-158	G-E	Y. Tsubokawa	<i>Control of induction thermal plasmas by coil current modulation in arbitrary-waveform</i>
ESA•P3-159	G-E/F-H	T. Kobayashi	<i>Oblique argon ion etching for copper at elevated temperature</i>
ESA•P3-160	G-E/F-H	Y. Setsuhara	<i>Development of combinatorial plasma-process analyzer for next-generation plasma-nano-fabrications</i>
ESA•P3-161	G-E	A. Matsutani	<i>Vertical and smooth dry etching of Si by XeF<sub>2</sub> plasma</i>
ESA•P3-162	G-E	A. E. Rider	<i>Structural and optical properties of hydrogenated amorphous silicon carbide films by inductively coupled plasma chemical vapor deposition</i>
ESA•P3-163	G-E	R. Takahashi	<i>Etching of diamond-like carbon in fluorocarbon plasmas</i>
EMS•P3-164	G-E/F-A	R. T. Khaydarov	<i>Investigation formation of charge and of energy spectra of multiply charged ions, generated under the action of laser radiation on the surface of two-element targets Tm<sub>2</sub>O<sub>3</sub>, Yb<sub>2</sub>O<sub>3</sub> and Eu<sub>2</sub>O<sub>3</sub></i>
EMS•P3-165	G-E	B. Park	<i>Effects of gas pressure and discharge power on electrical and optical properties of ZnO:Al thin film deposited on polymer substrate</i>
EMS•P3-166	G-E	C.-H Su	<i>Low temperature deposition of TiOx films by self-assembled atmospheric-pressure plasma system</i>
EMS•P3-168	G-E	H. Kawasaki	<i>Preparation of WO<sub>3</sub> thin films for electrochromic display by plasma process</i>
EMS•P3-169	G-E	H. Sato	<i>Dependence of volume fraction of clusters on deposition rate of a-Si:H films deposited using a multi-hollow discharge plasma CVD method</i>
EMS•P3-170	G-E	H. Ito	<i>Mechanically hard SiC<sub>x</sub>:h films in amorphous phase</i>
EMS•P3-171	G-E	J. Umetsu	<i>Dependence of deposition rate on a ratio of ion flux to radical flux in plasma anisotropic CVD of C films</i>
EMS•P3-172	G-E	J. Umetsu	<i>Substrate temperature of deposition profile of carbon films in trenches deposited by plasma CVD</i>
EMS•P3-173	G-E	M. Shinohara	<i>Investigation of growth process amorphous carbon film during plasma enhanced chemical vapor deposition</i>
EMS•P3-174	G-E	M. Yoshida	<i>A novel method for the production of AlN film with high adhesion on Al substrate</i>
EMS•P3-175	G-E	M. Kusabiraki	<i>Preparation of plasma-polymerized p-xylene films for encapsulation of organic light-emitting diodes</i>
EMS•P3-176	G-E	S. Yang	<i>The investigation of process-structure-property relationship of plasma deposited hydrophobic-hard SiOx films</i>
EMS•P3-177	G-E	S. Takabayashi	<i>Chemical structural analysis of diamondlike carbon using X-ray photoelectron spectroscopy</i>
EMS•P3-178	G-E	Y. Umeda	<i>Properties of GZO thin film deposited at various positions in the plasma plume in PLD method</i>
EMS•P3-179	G-E	Y. Matsuda	<i>Deposition of aluminum doped zinc oxide thin film using inductively coupled plasma assisted sputtering</i>
EMS•P3-180	G-E	Z. P. Wang	<i>Preparation of silicon carbide using a 20kj plasma focus device</i>
EBM•P3-181	G-E	H. Ito	<i>Development of bipolar pulse accelerator for intense pulsed heavy ion beam</i>

EBM•P3-182	G-E	H. Ito	<i>Diagnosis of intense pulsed aluminum ion beam by magnetically insulated ion diode</i>
EBM•P3-183	G-E/F-F	N. Bolouki	<i>Effects of cathode materials and gas species on electron beam performance in a plasma cold cathode electron source</i>
EBM•P3-184	G-E	H. Tobar	<i>Uniform negative ion beam extraction in a cesium-seeded large negative ion source with a tent magnetic filter</i>
EBM•P3-185	G-E	I. V. Litovko	<i>Computer simulation for optimization of ion sources</i>
EBM•P3-186	G-E	J. Moreno	<i>Ions emission study in a compact plasma focus devices of hundreds of joules</i>
EBM•P3-187	G-E	B. Maraghechi	<i>Waveguide modes in a relativistic electron beam with ion-channel guiding</i>
EBM•P3-188	G-E	M. Kikuchi	<i>Study on the beam transport in a high energy neutral helium beam system with double charge exchange cell</i>
EBM•P3-189	G-E	N. Miyamoto	<i>Ion beam current characteristics of bernus-type ion source with co-axial cathode</i>
EBM•P3-190	G-E	S. Ieki	<i>Magnetron target surrounding solid material ion source</i>
EBM•P3-191	G-E	Y. Tanaka	<i>Development of negative ion based neutral beam injector toward JT-60SA</i>
ELP•P3-192	G-E/F-A	A. Bhasin	<i>Effect of beam pre-bunching and guide magnetic field on slow wave free electron laser</i>
ELP•P3-193	G-E	B. Maraghechi	<i>Wave mode couplings in a free-electron laser with axial magnetic field in the presence of self-fields</i>
ELP•P3-194	G-E	K. Misumi	<i>Output power characteristics of a gas-dynamic laser by the improved type shock tube</i>
ELP•P3-196	G-E	S. Nishiyori	<i>Improvement of the large diameter diaphragmless shock tube for CO<sub>2</sub> gas-dynamic laser studies</i>
EPR•P3-198	G-E	A. Ando	<i>Experimental study of ion heating and acceleration in a fast-flowing plasma for the advanced plasma propulsion</i>
EPR•P3-199	G-E	C. M. Collingwood	<i>Development of a differential radio frequency ion thruster for precision spacecraft control</i>
EPR•P3-200	G-E	G. Leray	<i>PEGASES: plasma propulsion with electronegative gases</i>
EPR•P3-201	G-E	H. Nakashima	<i>Magnet systems for a magnetic nozzle of laser-produced plasma propulsion</i>
EPR•P3-202	G-E	H. Usui	<i>Multi-scale plasma particle simulation for the development of interplanetary flight system</i>
EPR•P3-203	G-E	H. Nishida	<i>MHD flow field and momentum transfer process of magneto-plasma sail</i>
EPR•P3-204	G-E	I. Funaki	<i>Research status of sail propulsion using the solar wind</i>
EPR•P3-205	G-E	J. L. Ferreira	<i>A permanent magnet Hall thruster for satellite propulsion with low energy consumption</i>
EPR•P3-206	G-E	K. Ueno	<i>Imaging of plasma flow around magnetoplasma sail in laboratory experiment</i>
EPR•P3-207	G-E	K. Nishiyama	<i>An ion machined accelerator grid for a 20-cm ECR ion thruster</i>
EPR•P3-208	G-E	M. Nishiyama	<i>Effect of Xe retention on sputtering yield of graphite by Xe<sup>+</sup> bombardment</i>
EPR•P3-209	G-E	M. Coletti	<i>Hollow cathode life time model</i>
EPR•P3-210	G-E	N. Matsuda	<i>A magnetic nozzle design for a laser fusion rocket based on impact fast ignition scheme</i>

EPR•P3-211	G-E	N. Mizuno	<i>Particle motion and performance in Hall thrusters</i>
EPR•P3-212	G-E	R. I. Marques	<i>Development and testing of a double discharge pulsed plasma thruster for the UNISAT-5 satellite</i>
EPR•P3-213	G-E	T. Muranaka	<i>Evaluation of electric field measurement in space environment</i>
EPR•P3-214	G-E	T. Saito	<i>Pulsed plasma acceleration using powdered propellant</i>
EPR•P3-215	G-E	Y. Kajimura	<i>Numerical study of inflation of a dipolar magnetic field in space by plasma jet injection</i>
EPR•P3-216	G-A/G-E	I. S. Rêgo	<i>Plasma dynamics in ground-tests of a laser-propelled lightcraft: preliminary studies</i>
FI•P3-217	G-A	I. Sakurai	<i>Iron <math>K\alpha</math> measurement of LHD plasmas using a compact X-ray spectrometer</i>
FI•P3-218	G-A/F-E	R. Shariatzadeh	<i>Design and fabrication a movable langmuir probe for plasma edge parameters measurement in IR-T1 tokamak</i>
FI•P3-219	G-A/F-E	M. Ghasemloo	<i>Measurement of magnetic fields in the IR-T1 tokamak using a mesh-grid arrangement</i>
FI•P3-220	G-A	R. W. Schrittwieser	<i>An axially movable laser-heated emissive probe</i>
FI•P3-221	G-A	K. Fujii	<i>Spectroscopic diagnostics of helium discharge produced during sucrose triboluminescence</i>
FI•P3-222	G-A	K. Nakamura	<i>Effects of probe shape on electron density measurements with frequency shift probes</i>
FI•P3-223	G-A	Y. Nakao	<i>Use of <math>\gamma</math>-ray-generating reaction for diagnostics of laser-imploded DT plasma</i>
FI•P3-224	G-B/F-G	K. Uehara	<i>Flight-type-probe for measuring hot core plasmas</i>
FI•P3-225	G-B/F-G	M. Machida	<i>The role of higher diffraction order to determine ion temperature in VUV region using multichannel detector</i>
FI•P3-226	G-B	V. K. Yadav	<i>Electric probes for characterization of microwave produced plasmas</i>
FI•P3-227	G-B/F-G	N. Nishino	<i>Status of two-dimensional ion velocity measurement system in NSTX</i>
FI•P3-228	G-B	Y. Nagayama	<i>Development of the microwave imaging reflectometry in LHD</i>
FI•P3-229	G-B	Y. Nakashima	<i>Two-dimensional visible image measurement in the GAMMA 10 central-cell using high-speed camera</i>
FI•P3-230	G-B	S. Yoshimura	<i>Observation of radial displacement and tilting of FRC plasma using computer tomography at two different cross sections</i>
FI•P3-231	G-B	D. Kuwahara	<i>Development of 2-D antenna array for microwave imaging reflectometry in LHD</i>
FI•P3-232	G-B	K. Kawahata	<i>Combined system of a two color laser interferometer and a polarimeter</i>
FI•P3-233	G-B	K. Ogawa	<i>Installation of bi-directional lost fast-ion probe in the large helical device</i>
FI•P3-234	G-B	E. A. Drapiko	<i>Advantages of high temperature operation of an imaging bolometer</i>
FI•P3-235	G-B	S. Hirayama	<i>Use of <math>\gamma</math>-ray-generating <math>{}^6\text{Li}+\text{D}</math> reaction for fast-ion diagnostics in deuterium plasmas</i>
FI•P3-236	G-B	K. Okada	<i>Measurement of DT and DD neutrons with a tof spectrometer for measurement of fuel ion density ratio on ITER</i>
FI•P3-237	G-B	T. Nakajima	<i>Plasma spectroscopy in a high magnetic field condition</i>
FI•P3-238	G-B	I. Yamada	<i>On-demand density correction using steady-state plasmas in the LHD thomson scattering</i>
FI•P3-239	G-B	S. Sawada	<i>Development of a high-frequency excited surface production negative ion source</i>

FI•P3-240	G-B	Y. Katsube	<i>Plasma parameter measurements of a high power density He<sup>+</sup> ion source</i>
FI•P3-241	G-B	G. R. Etaati	<i>Calibration constant of a silver activation counter used with plasma focus devices</i>
FI•P3-242	G-B	J. Luo	<i>Reconstruction of electron density distribution based on plasma shapes</i>
FI•P3-243	G-B	H. Sakakita	<i>Evaluation of 25 keV helium hydrogen ion beam for the alpha particle measurement in ITER</i>
FI•P3-244	G-B	T. Hatae	<i>Development of polarization interferometer for thomson scattering diagnostics in JT-60U</i>
FI•P3-245	G-B	A. K. Chattopadhyay	<i>Instability analysis in ADITYA tokamak discharges with the help of soft X-ray</i>
FI•P3-246	G-B	N. Iwama	<i>Hopfield neural network for plasma image reconstruction in application to a bolometer camera system of LHD</i>
FI•P3-247	G-B	Y. Yokota	<i>Development of ultrashort-pulse reflectometer for density profile measurement in LHD</i>
FNE•P3-248	G-F	A. V. Arsenin	<i>Collisionless electron heating in a very high frequency neutral loop discharge</i>
FNE•P3-249	G-F	A. S. de Assis	<i>Kinetic Alfvén waves in the presence of magnetic monopoles of electron mass in a uniform magnetic field</i>
FNE•P3-250	G-F	Y. Kunieda	<i>Development of high-time-resolved X-ray detector using surface plasmon resonance</i>
FG•P3-251	G-E	S. M. Hassan	<i>Study of X-ray and EUV emission in table-top X-pinch</i>

16:00-16:30 Coffee Break

16:30-18:30 Oral Session Room W

		Name	Time(min)	Title of Paper
ANN•O3-W-1	G-A	R. Pakter	20	<i>Collisionless relaxation in non-neutral plasmas</i>
ANN•O3-W-2	G-A	Y. Kawai	20	<i>Elementary processes of free-decaying two-dimensional turbulence in magnetized pure electron plasmas</i>
FD•O3-W-3	G-A/F-D	B. Klumov	20	<i>Crystallization of charged dust particles in mesoscopic system: molecular dynamics simulations</i>
FD•O3-W-4	G-A/F-D	O. F. Petrov	20	<i>Dusty plasma in laboratory: diagnostics methods and results</i>
FD•O3-W-5	G-A/F-D	V. Nosenko	20	<i>Dynamics of defects in a two-dimensional plasma crystal</i>
FD•O3-W-6	G-D/F-D	P. K. Shukla	20	<i>On the formation of plasma structures in our magnetized dusty universe</i>

16:30-18:30 Oral Session Room Z

		Name	Time(min)	Title of Paper
APC•O3-Z-1	G-A	T. Ficker	20	<i>Electrical breakdown in gases via a new mechanism of avalanche and streamer multiplications</i>
FB•O3-Z-2	G-A	V. I. Erofeev	20	<i>Key ideas for heightening the informativeness of plasma physical theorizing</i>
FC•O3-Z-3	G-C/F-C	Ph. Nicolai	20	<i>Supersonic plasma jet interaction with gases and plasmas at the PALS laser facility</i>
CFI•O3-Z-4	G-C/F-G	Y. Iizuka	20	<i>Direct-indirect hybrid implosion in heavy ion inertial fusion</i>

CLF•03-Z-5	G-C/F-G	M. Olazabal-Loumé	20	<i>Numerical simulations and stability study of double ablation front structures, using radiation transport effects in direct-drive ICF</i>
FG•03-Z-6	G-C/F-G	R. D. Sydora	20	<i>Vacuum electron acceleration in the field of a tightly focused laser</i>

16:30-18:30 Oral Session Room X

		Name	Time(min)	Title of Paper
FNE•03-X-1	G-F	S. A. Meiss	20	<i>The interface between plasmas and solid ion conductors: yttria-stabilized zirconia as a material for electrodes and probes</i>
FA•03-X-2	G-A/F-A/F-E	G. J. van Rooij	20	<i>Anomalous (pre-) sheath behavior observed upon target biasing under ITER divertor relevant plasma conditions</i>
BET•03-X-3	G-B	M. G. Bell	20	<i>An overview of recent results from the national spherical torus experiment</i>
FE•03-X-4	G-B/F-E	M. Honda	20	<i>Toroidal rotation profiles under the influence of fast-ion losses due to toroidal field ripple</i>
FE•03-X-5	G-B/F-E	A. Kirschner	20	<i>Modeling of erosion and deposition of ITER limiters during ramp phases</i>
FE•03-X-6	G-B/F-E	A. Kreter	20	<i>Fuel retention in carbon based materials including ITER-grade CFC NB41 exposed in TEXTOR and PISCES-A</i>

16:30-18:30 Oral Session Room Y

		Name	Time(min)	Title of Paper
EMS•03-Y-1	G-E	C. P. Lungu	20	<i>Electron spectroscopy analysis of the beryllium films prepared by thermionic vacuum arc method</i>
ELX•03-Y-2	G-E	T. A. Pikuz	20	<i>Femtosecond-laser-driven-cluster-based debris-free soft X-ray source for nanostructure imaging</i>
EPR•03-Y-3	G-E	S. Tsikata	20	<i>Electron density fluctuations in a Hall plasma thruster: observations by collective light scattering</i>
EPR•03-Y-4	G-E	A. N. Grubisic	20	<i>Feasibility of MEMS hollow cathode discharge devices for micro-spacecraft plasma propulsion</i>
FH1•03-Y-5	G-F/F-H	S. Katsuki	20	<i>Intracellular DNA damage induced by intense burst sinusoidal electric fields</i>
FH1•03-Y-6	G-E	H. X. Liu	20	<i>Non-thermal afterglow plasma treatment for biocompatibility improvement of medical poly(tetrafluoroethylene)</i>

19:00-21:00 Congress Dinner Hotel Okura

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*FRIDAY September 12*

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8:30-9:15 Plenary Lecture Room V

		Name	Time(min)	Title of Paper
BET•PL5-1	G-B	A. Sykes	45	<i>The development of the spherical tokamak</i>

9:15-10:00 Plenary Lecture Room V

		Name	Time(min)	Title of Paper
CLF•PL5-2	G-C	J. Zhang	45	

10:00-10:30 Coffee Break

*High energy density physics research in China*

10:30-12:30 Invited Talk Room V

		Name	Time(min)	Title of Paper
FE•I 5-V-1	G-B/F-E	P. H. Diamond	40	<i>Theory of non-diffusive turbulent transport of momentum and the origins of spontaneous rotation in tokamaks</i>
FE•I 5-V-2	G-B/F-E	J. W. Van Dam	40	<i>Progress toward burning plasmas</i>
FE•I 5-V-3	G-B/F-E	G. S. Lee	40	<i>KSTAR construction, commissioning and implication to the ITER project</i>

10:30-12:30 Invited Talk Room W

		Name	Time(min)	Title of Paper
FI•I 5-W-1	G-A/F-I	A. J. H. Donné	40	<i>New insights in high temperature plasma physics by diagnostics advances</i>
I 5-W-2	G-F	B. Eliasson	40	<i>Nonlinear aspects of quantum plasma physics : nanoplasmonics and nanostructures in dense plasmas</i>
FNE•I 5-W-3	G-F	T. Hatsuda	40	<i>The quark-gluon plasma</i>

12:00-12:30

		Name	Time(min)	Title of Paper
FNE•I 5-V-4	G-F	F. Wagner	30	<i>The power of plasmas</i>

12:30- Closing Session