Poster Session 1 [December 5 (Teusday) 13:45 - 15:45]		
No.	Name	Title
P1-1	H. Yamada	Confinement Study of Dimensionally Similar NBI Heated Plasmas on LHD
P1-2	J. S. Kang	Energy confinement characteristics of recent KSTAR high poloidal beta discharges
P1-3	Y. Nozawa	Electron Cyclotron Heating and Current Drive at Two Different Frequencies in the LATE device
P1-4	H. Igami	Two-dimensional effects on wave propagation characteristics near the mode conversion region between electromagnetic waves and electrostatic electron Bernste
P1-5	R. Yoneda	High Field Side RF Injection for Excitation of Electron Bernstein Wave
P1-6	S. Kubo	Study on a direct detection of EBW by sub-Tera-Hz gyrotron scattering in QUEST
P1-7	S. Kojima	Relativistic Doppler-shifted Resonance Coupling of 2nd Harmonic Electron Cyclotron Wave into Energetic Electrons in the Fully Non-incuvtive Plasma Current Ra
P1-8	M. H. Li	Measurements of frequency spectral broadening of lower hybrid waves in the EAST tokamak
P1-9	R. Sakai	Analysis of Current Drive in the Compact Tokamak Neutron Source for Transmutation
P1-10	B. Na	Performance of Off-axis Neutral Beam Current Drive in KSTAR
P1-11	M. Arai	Topological Transition and Inductive Current Drive of a Translated Field-Reversed Configuration Plasma
P1-12	S. Yajima	Current drive experiment using Top/Outboard side lower hybrid wave injection on TST-2 spherical tokamak
P1-13	X. Zhang	Modelling of three-ion Species ICRF heating scenario on EAST
P1-14	H. Yamaguchi	Effect of radial electric field on the NBI beam ion confinement and heat deposition in LHD
P1-15	P. Boonyarittipong	Development of High Energy Hydrogen Beam Injection System for Divertor Plasma Simulation Experiments in DT-ALPHA Device
P1-16	N. Bisai	Nonlinear studies on heavy impurity gradient driven resistive drift tearing modes in tokamaks
P1-17	N. Tamura	Characteristics of impurity transport in the EC-heated LHD plasmas
P1-18	K. Ichiguchi	Numerical analysis of interaction between shear flow and interchange mode in heliotron
P1-19	Y. Takemura	Effect of ion species on rotation of interchange mode in LHD
P1-20	Y. Nagamine	Dynamical behavior of resistive instability modes in a small aspect ratio reversed field pinch
P1-21	A. Bierwage	Role of reconnecting MHD modes in hybrid simulations of beam-driven tokamak plasmas
P1-22	M. Yoshikawa	Development of Thomson scattering system in GAMMA 10/PDX
P1-23	R. Yasuhara	Evaluation of electron temperature by the neural network method in the LHD Thomson scattering system
P1-24	J. H. Lee	Progress of KSTAR Thomson Scattering Diagnostic System in 2017 and system upgrade plan
P1-25	H.Tsuchiya	Installation of a Electron Cyclotron Emission Imaging in LHD
P1-26	Y. Ke	Development of a laser collective scattering system for measuring short-scale turbulence at the HL-2A Tokamak
P1-27	M. Takechi	Optimization of Magnetic Sensor Configuration for JT-60SA Plasma Control
P1-28	Y. U. Nam	Status and Plan for Interferometry Systems in KSTAR
P1-29	J. Kohagura	Measurement of azimuthal velocity profile of density fluctuations in the central cell of GAMMA 10 using Doppler reflectometry
P1-30	B. J. Peterson	Signal to noise estimates based on synthetic images from imaging bolometers for W7-X
P1-31	A. Sanpei	Identification of 3-D structure of Low-A RFP with imaging technique
P1-32	H. Yamazaki	Design of multi-energy SXR cameras for tokamak plasmas
P1-33	S.-H. Seo	Plasma density profile measurements by using reflectometer during L-H transition
P1-34	H. X. Wang	Density measurement by CO_2 dispersion interferometer in HL-2A Tokamak
P1-35	T. Kobayashi	Development of ion sensitive probe and its application to the RF plasma device DT-ALPHA
P1-36	K. Nojiri	Evaluation of ion temperature of the end-loss plasma using a Langmuir probe in GAMMA 10/PDX tandem mirror
P1-37	S. Purohit	Soft X-ray topographic reconstruction of Heliotron-J plasma for the study of Magnetohydrodynamics Equilibrium and Stability
P1-38	K. Yasuda	Estimation of tokamak plasma position and shape in TOKASTAR-2 using magnetic field measurement
P1-39	J. Ko	Measurement of safety factor profiles from polarimetric and spectral MSE at KSTAR
P1-40	K. Saito	RF wave detection with high-frequency magnetic probes in LHD
P1-41	G. Seguineaud	Spatial resolution measurement of hydrogen pellet ablation cloud in the LHD
P1-42	T. Kobayashi	Surface Current Approximation of Magnetization Currents of Magnetic Materials in Axisymmetric Tokamak Devices for the Correction of their Effects on Magnetic
P1-43	Z. H. Qin	Global gyrokinetic simulation of linear micro-instability in HL-2A tokamak plasmas with ion transport barrier
P1-44	T. Ohno	Global mode analysis of ion-temperature-gradient instability using a gyro-fluid model in linear devices
P1-45	Y. Hamada	Study of MTM, KBM, TEM, ITG and GAM oscillations in JIPPT-IIU tokamak plasmas using a heavy ion beam probe
P1-46	Withdrawn	Withdrawn
P1-47	Y. Kawachi	Detection of phase of fluctuating wave excited in linear magnetized plasma
P1-48	A. Fukano	Effects of Hydrogen Negative Ions on Plasma with Magnetic Field Decreasing toward a Wall
P1-49	J. X. Li	Preliminary Study on Discharge Evolution and X-point Control of HL-2M Snowflake Divertor
P1-50	R. Tatsumi	Numerical Analysis of a pure-convective problem in SOL/Divertor Plasmas
P1-51	Y. Li	ELM dynamic simulation for detached divertor plasmas using one-dimension fluid code
P1-52	S. Togo	Benchmarking of B2 Code with a One-Dimensional Plasma Fluid Code Incorporating Anisotropic Ion Temperature on Simple Mirror Configurations
P1-53	M. S. Islam	Investigation of E-Divertor Plasma during Simultaneous Injection of Hydrogen and Impurity Gas in GAMMA 10/PDX by Using the LINDA Code
P1-54	H. Hasegawa	Plasma Coherent Structure Transport Dynamics with Impurity Ions
P1-55	T. Komikado	Absorptions of ICRF fundamental harmonic waves by NBI beam ions and heating efficiencies in high density plasmas of LHD
P1-56	K. Hosokawa	Development of high-speed analysis module for heating and current drive by neutral particle beam injection to tokamak plasma
P1-57	T. Takahashi	Calculation of efficient geometry of neutral beam injection into a field-reversed configuration
P1-58	S. Maeta	Integrated transport simulation of ECH plasma in LHD
P1-59	N. Kasuya	On a Radial Eigenmode Structure of Drift-Wave Instability with a Inhomogeneous Neutral Density Profile in Cylindrical Plasmas
P1-60	T.-H. Watanabe	Effects of parallel correlation on ITG/TEM turbulence transport
P1-61	N. Tsujine	Temperature dependence of contact discontinuities in Vlasov simulations
P1-62	K. Nishioka	Implementation of the moment extract approach to the toroidal gyrokinetic simulation code GKV
P1-63	T. Urano	Analysis of electromagnetic fluctuation field in a field-reversed configuration by full-particle simulation
P1-64	S. Matsuoka	Benchmark of neoclassical transport in a global full-f gyrokinetic simulations for stellarator plasmas
P1-65	H. Asai	Benchmarking of nonlinear collision model for Monte Carlo code with TASK/FP Fokker-Planck code
P1-66	T. Moritaka	Optimization of the gyrokinetic particle-in-cell code (XGC1) for multi-core CPUs with cache memory
P1-67	R. Horiuchi	PIC simulation study of merging processes of two spheromak-like plasmoids
P1-68	T. Honda	Coloured particle-in-cell simulation of classical SU(2) Yang-Mills plasma
P1-69	K. Nishida	Particle-In-Cell Simulation of Field-Reveresed Configuration with Adaptive Particle Management
P1-70	S. Toda	Reduced models for turbulent transport by gyro-kinetic simulation with kinetic electron in helical plasmas
P1-71	S. Usami	Effective proton heating through collisionless driven reconnection in the presence of guide field
P1-72	M. Sasaki	Evaluation of line-integral effect of Heavy Ion Beam Probe measurement of energetic-particle driven geodesic acoustic modes
P1-73	M. Toida	Simulation study of high-frequency magnetosonic waves excited by energetic ions in association with ion cyclotron emission
P1-74	A. Takayama	molecular dynamics simulation of physical processes in tungsten self-irradiation
P1-75	G. Purohit	Electron impact ionization cross sections of tungsten atoms and tungsten ions
P1-76	A. M. Ito	Triple Hybrid Simulation Method for Tungsten Fuzzy Nanostructure Formation
P1-77 (on Dec. 6)	A. Saitoh	Numerical Method for Electromagnetic Wave Scattering Problem of 2D Object with Fuzz-Like Structure
P1-78 (on Dec. 6)	Y. Tamura	Visualization and sonification of electromagnetic field data of nano-structured Tungsten using HMD
P1-79	N. Ohno	Development towards In-Situ Visualization
P1-80	H. Ohtani	Optimization of electromagnetic particle simulation code PASMO for investigation of magnetic reconnection in open system
P1-81	A. Mondal	Ablation geometry dependence on the dynamics of laser induced thin film plasma
P1-82	R. Bahl	Beam Dynamics design of 60 MHz proton Radio Frequency Quadrupole for Ion-Irradiation Facility
P1-83	S. Ishihara	Characteristics of extraction negative ion currents on cesium-free negative ion source using high density sheet plasma

P1-84	T. Shimozuma	Improvement of Millimeter-Wave Transmission Efficiency Using Beam Profile Monitors in an ECRH Transmission Line
P1-85	Y. Goto	Development of the Grating Mirror for Transmission system on ECH
P1-86 (on Dec. 6)	D. Kato	Cathode and ionoluminescence of Er_2O_3 at elevated temperatures
P1-87	N. Akata	Development of rapid sampling system of atmospheric water vapor for tritium measurement
P1-88	M. Tanaka	Monitoring of tritium concentration by simplified active sampler in a fusion test facility
P1-89	T. Saze	Visualization of thermal neutron distribution into the shielding door of LHD using a gold foil and an imaging plate
P1-90	G. Yamazaki	Corrosion Protection of Ferritic steel in HF-containing FLiNaK by Sacrificial Titanium Anode
P1-91	Withdrawn	Withdrawn
P1-92	T. Hayashi	Deuterium permeation properties in tungsten exposed to D-He mixture plasma
P1-93	H. Nakanishi	Real-Time data replication to remote archiving site for LHD experiment
P1-94	Y. Hamaji	A new beam transfer system for thermal shock experiments in ACT2 facility
P1-95	T. Edo	Performance Improvement of a Magnetized Coaxial Plasma Gun by adopting Iron-Core Bias Coil and Pre-Ionization Systems
P1-96	K. Tokunaga	Making highly efficient discharge and fast wave current drive by controlling electron energy distribution function in plasma using helicon wave
P1-97	D. Kuwahara	Development of Local Oscillator Integrated Antenna Array for E-band Microwave Imaging Interferometer
P1-98	K. Harada	A Preliminary Study of Ion-Ion Separation in Cusp-type Direct Energy Converter
P1-99	H. Sato	A study of dual-frequency modulation through multiple field regions in a traveling wave direct energy converter simulator
P1-100	R. Rane	The anode glow formation and its effect on thin film deposition in an inverted cylindrical magnetron discharge
P1-101	T. Furukawa	Study on Plasma Characteristics Using RMF Plasma Acceleration Method
P1-102	H. Kanaya	Dynamics of rod particles in plasma
P1-103	T. Kigami	Analysis of phenomenon of levitation of microorganism in RF plasma
P1-104	Y. Tomita	Morphology changes of platinum and tungsten carbide by He plasma irradiation
P1-105	T. Nojima	Nanostructure growth on rhodium/ruthenium by the exposure to He plasma
P1-106	M. T. San	Spoof Plasmon on Periodically Corrugated Metal Cylinder
P1-107	A. R. B. Gines	Formation of nanostructures on solid surface by irradiation of a magnetized sheet plasma
P1-108	Y. Park	Experimental study on axially compressed electron plasmas for compact simulator of energy driver in heavy ion fusion
P1-109	M. Sakagami	Experimental Study on Backward Wave Oscillator with a Dielectric Discharge Cold Cathode