Poster Session 2 [December 6 (Wednesday) 16:05 - 18:05]

No.	Name	Title
P2-1	M. Isobe	Neutron emission rate in the first deuterium experiment campaign of the Large Helical Device
P2-2	R. Seki	Comparison of neutron emission rate evaluated by FIT3D-DD code with measurements in the large helical device
P2-3	K. Ogawa	Neutron flux measurement using a fast-neutron scintillation detector with high temporal resolution on Large Helical Device
P2-4	N. Pu	Initial results of triton burnup study in the Large Helical Device
P2-5	H. Kawase	Neutron emission profile measurements in LHD deuterium plasmas
P2-6	D. Ito	DEVELOPMENT OF WIDE DYNAMIC RANGE NEUTRON FLUX MONITOR HAVING FAST TIME RESPONSE FOR LHD
P2-7	H. Matsuura	Knock-on tail observation in LHD deuterium plasmas
P2-8	T. Nishitani	Fast ion confinement study by neutron emission rate measurement after short pulse NB injection in the Large Helical Device
P2-9	Y. Fujiwara	Evaluation of fast ions decay time and radial profile using a fast ion charge exchange spectroscopy measurement in the large helical device
P2-10	S. Kamio	Experimental Evaluation of Fast-ion Velocity Distribution Produced by Neutral Beam with Si-FNA in LHD
P2-11	J. Morimoto	The effect of plasma beta on orbit and loss process of fast ions in the Large Helical Device
P2-12	M. Yokoyama	Extensions and Applications of Integrated Transport Analysis Suite, TASK3D-a, for Deuterium Experiment in LHD
P2-13	T. Kobayashi	Electron heat pulse propagation experiments in hydrogen and deuterium plasmas on Large Helical Device
P2-14	K. Hasamada	Observation of monotonical spectrum in power scan experiment on PANTA
P2-15	M. Minoura	Electrode biasing experiment in TOKASTAR-2 helical plasmas
P2-16	T. Oishi	Response of plasmas to tungsten pellet injection in neutral beam heated discharges in Large Helical Device
P2-17	F. Tanaka	Collisional merging process of field-reversed configuration plasmas in the FAT-CM device
P2-18	K. Kuroda	TSC simulation of transient CHI in new electrode configuration on QUEST
P2-19	A. Ejiri	Numerical Study of Pre-Ionization by AC Ohmic Coil Operation
P2-20	S. Nishimura	Interaction between energetic ions and rotating interchange mode
P2-21	K. Toi	Characteristic Properties of Energetic-Ion-Driven Geodesic Acoustic Modes Observed in a Reversed Magnetic Shear Plasma of LHD
P2-22	H. Wang	Simulations of energetic particle driven geodesic acoustic mode using MEGA code with different models
P2-23	T. Ido	Detection of spatial structure of energetic particle-driven geodesic acoustic mode by a heavy ion beam probe in the Large Helical Device
P2-24	L. G. Eliseev	Evaluation of the turbulent particle flux by Heavy Ion Beam Probe in the T-10 tokamak
P2-25	M. Goto	Polarization spectroscopy for a study of plasma anisotropy in LHD
P2-26	N. Nimavat	Measurement of line emission polarization for a study of anisotropy in the electron velocity distribution function at LHD
P2-27	R. Yokoyama	Application of He I line intensity ratio method to tokamak plasma in TOKASTAR-2
P2-28	Y. Liu	Observation of tungsten line emissions in wavelength range of 10-500 Å in the Large Helical Device
P2-29	H. Funaba	Partial pressure measurement of hydrogen and deuterium by Penning gauge spectroscopy on LHD
P2-30	C. Suzuki	Extreme ultraviolet spectroscopy in the krypton seeding experiment on LHD
P2-31	H. A. Sakaue	High resolution EUV spectrometer for the spectroscopy of highly charged tungsten ions with a compact electron beam ion trap
P2-32	T. Yokodo	Impact of the upstream plasma parameters on the spectroscopic measurement in the GAMMA 10/PDX divertor simulation experiments
P2-33	A. Kuzmin	Investigation of the impurity flow velocity and temperature in the edge plasma of LHD: dependence on density and isotope effect
P2-34	N. Yoneda	Spectroscopic Measurements of Impurity Ion Toroidal and Poloidal Flow Velocities and Their Dependence on Vertical Magnetic Field in QUEST Toroidal
P2-35	T. Kobayashi	Measurement of impurity emission intensity distribution in the edge region of LHD and its relation to the magnetic field structure
P2-36	H. Nakamura	Population Distribution of Molecular Hydrogen Desorbed from Plasma-Facing Material
P2-37	A. Terakado	Measurements of hydrogen molecular rovibrational temperature with high temperature target in divertor simulation plasma on GAMMA 10/PDX
P2-38	H. Matsuura	Heliotron J divertor plasma measurement with a combined divertor probe array
P2-39	Y. W. Yu	Fuel recycling and particle exhaust studies for long pulse plasma operation in EAST tokamak
P2-40	G. Kawamura	First EMC3-EIRENE modeling of a LHD-type fusion reactor with liquid metal limiter
P2-41	T. Iijima	Study on produce of detached plasma by H_2 and Ar injection in GAMMA 10/PDX
P2-42	H. Takahashi	Divertor plasma simulating experiment using hydrogen ionizing plasma and helium ion beam in an RF plasma source DT-ALPHA
P2-43	A. Shimizu	Configuration property of Chinese First Quasi-axisymmetric Stellarator
P2-44	T. Yokoyama	Disruption prediction by Support Vector Machine and Neural Network with Exhaustive Search
P2-45	Withdrawn	Withdrawn
P2-46	Y. Shibata	Simulation studies of the plasma vertical displacement event (VDE) and driven halo current in a tokamak DEMO reactor
P2-47	J. Chen	Reassessments of operation scenarios on CFETR for DEMO validation
P2-48	R. Ishizaki	MHD simulation on pellet injection in the LHD plasma with m/n=1/1 island
P2-49	T. Takayama	Numerical Investigation on Pellet Acceleration System by Using High-Temperature Superconducting Film
P2-50	A. Kamitani	Comparison between FEM and Equivalent-Circuit Model Simulations of Superconducting Linear Acceleration System for Pellet Injection
P2-51	Y. Fujita	Large Scale Simulation of Electromagnetic Wave Propagation Phenomena in Miter Bend using Parallelized FDTD
P2-52	T. Okamoto	A method of equilibrium reconstruction in an RFP plasma based on gradient method
P2-53	Y. Yamamoto	Effect of Pfirsch-Schlüter flow on the toroidal flow asymmetry in LHD
P2-54	H. Miura	Large-eddy-simulation approach for numerical simulation of ballooning modes in LHD
P2-55	H. Seto	Linear Analysis of Shaping Effects on Non-ideal Ballooning Mode Instabilities
P2-56	H. Nakayama	Simulation study of ICRF minority heating in the Alcator C-Mod plasma by GNET/TORIC codes
P2-57	C.-C. Chang	Simulation of ECCD current with coupled magnetic islands dependents on JT-60U experiment
P2-58	M. Yagi	Simulation study on nonlocal transport in tokamak plasmas
P2-59	J. Promping	Plasma Scenario Study for Small Tokamak in Thailand using Integrated Predictive Modeling Code
P2-60	O. Watanabe	Stability of toroidal plasma current modified by magnetization of central solenoidal coil
P2-61	S. A. Khan	Kinetic full wave analysis of Bernstein waves in tokamak plasmas
P2-62	T. Miyoshi	A hint from electromagnetic plasma physics to quark-gluon plasma physics
P2-63 (on Dec. 5)	T. Itoh	Speed-up of Meshless Time-Domain Method for Three-Dimensional Electromagnetic Wave Propagation Simulation
P2-64	K. Yanagihara	Extension of ray tracing for a description of electron cyclotron wave beams in inhomogeneous magnetized plasma
P2-65	A. Fukuyama	Linear stability analysis of Alfvén eigemodes with arbitrary velocity distribution functions in toroidal plasmas
P2-66	L. Chang	Gap eigenmode of electromagnetic waves in cylindrical plasmas
P2-67	S. Ikuno	Optimal Preconditioner for Linear System Obtained by Electromagnetic Analysis
P2-68	D. Adachi	Separation of plasma particles by solenoid coil and Helmholtz coil
P2-69	T. Matsui	Full-particle simulation on beam ion plasma in linear confinement system
P2-70	M.-J. Lee	Propagation of modified dust-acoustic and dust-cyclotron hybrid surface waves
P2-71	S. Fujiwara	Dissipative particle dynamics simulation for self-assembly of symmetric bolaamphiphilic molecules in a solution
P2-72	M. Shirai	Numerical analysis of quantum mechanical $\boldsymbol{E} \times \boldsymbol{B}$ drift in non-uniform electric fields
P2-73	R. Picha	Predictions of Tritium Production in DEMOs Using BALDUR Code
P2-74	Y. Saito	Simulation Study of Fusion Reactions in Time Evolving Deuterium Plasma at LHD
P2-75	H. Sugama	Derivation of pressure tensors based on the variational principle
P2-76	M. Tendler	The synergy of neoclassical flows and turbulence driven zonal flows in tokamaks
P2-77	P. Kanth	Development and Validation of ACTYS-1-GO: A Multipoint Nuclear Activation Code
P2-78	K. Ichimura	Sensitivity calibrations of ASDEX type fast ionization gauges in mixed gas environment of hydrogen and noble gases
P2-79	S. Nakagawa	Estimation of Plasma Emission Transition Using Hidden Malcov Model

P2-80	A. Nishimura	Several Considerations on Construction Site of DEMO Fusion Reactor
P2-81	C. H. Park	Preliminary on Structural Soundness Evaluation of Liquid Lithium Test Loop for Intense Fusion Neutron Source
P2-82	Y. Nonda	Measurement of Heat Quantity in a Small Cusp-type Direct Energy Converter for Divertor Thermal Load Reduction
P2-83	J. Miyazawa	Initial Results of the Vacuum Pumping Experiment using the Supersonic Jet Pump
P2-84	T. Ohgo	A Study on the Thermal Property of the Jet with Internal Flow Resistance for Liquid Metal Divertor REVOLVER-D
P2-85	T. Goto	Initial Results of Liquid Metal Circulation Experiment for Realization of the Liquid Metal Divertor REVOLVER-D
P2-86	M. Kobayashi	Development of the tritium transport model for pebbles of Li_2TiO_3
P2-87	T. Tanaka	Evaluation of contribution of nuclear reactions in shielding of fusion neutrons
P2-88	K. Kumagai	Control of Tritium Transport in Molten Fluoride Salts under Neutron Irradiation with AmBe source
P2-89	S. Imagawa	Study on wind-react-transfer method for helical coils wound from Nb3Sn cable-in-conduit conductors
P2-90	T. Obana	Hydraulic characteristics of a quad-pancake coil wound with a Nb3Sn CIC conductor
P2-91	S. Matsunaga	Measurement of self-magnetic field generated by non-uniform current distribution in a high-temperature superconductor tape
P2-92	N. Yanagi	Innovative Design of The Helical Fusion Reactor FFHR-d1C with Configuration Optimization and Engineering Feasibility for Helical Maintenance
P2-93	S. Hamaguchi	Operations of the helium subcooling system for the LHD helical coils during ten plasma experimental campaigns
P2-94	K. Tsumori	Difference of Hydrogen and Deuterium Plasmas in the Negative Ion Source for NBI
P2-95	E. Sartori	Study of emittance measurements in a high-current multibeamlet beam
P2-96	J. H. Jeong	Development status of new NBI system in KSTAR
P2-97	Y. Haba	Experimental observation of phase space structure of negative hydrogen ion beam for plasma heating
P2-98	G. Serianni	Particle beams as controllable complex systems: application of the network theory
P2-99	K. Masuzawa	Production of negative hydrogen ions and beam extraction from a large diameter RF negative hydrogen ion source
P2-100	Y. Hayashi	Fusion Power Control by Injecting Fuel and Impurity Particles
P2-101	M. Shimada	Magnetically-guided liquid metal divertor
P2-102	N. K. Kharchev	Use of a powerful microwave discharge for plasma-chemical applications
P2-103	G. De Masi	A novel Plasma Medicine tool for accelerated haemostasis
P2-104	K. Ueno	Spatially Resolved Measurements of Metastable Atom Density and Electric Field Strength in a Microhollow Cathode He Plasma by Laser Absorption Spec
P2-105	M. Osaki	Optical Reflectance of Nano-structed Tungsten using FDTD simulation
P2-106	T. Akiyama	Compact dispersion interferometer with a high efficiency nonlinear crystal for atmospheric pressure plasmas
P2-107	J. K. Soriano	Low power excitation of an Ar atmospheric pressure plasma by inductive coupling
P2-108	I. N. D. Ocampo	Ar/O2 Atmospheric Pressure Plasma Jet Treatment of Pure Cotton Fabric for Antibacterial Application
P2-109	D. Hamada	Magnetic field configuration dependence of plasma production and transport in a linear plasma device NUMBER
P2-110	T. Fukuyama	Study on dynamical behaviors of ionization waves influenced by feedback in a glow discharge plasma

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