

Poster Session 1 (November 5 (Tuesday) 13:40 - 15:40)

No.	Name	Title
P1-01	Tetsuo OZAKI	Measurements of D/H Ratio Using Compact Neutral Particle Analyzer in LHD Deuterium Experiments
P1-02	Jing WU	Complex Visible Spectrum Simulation and Experimental Study of Tokamak Plasma
P1-03	Xuan Nhat BUI	Evaluation of divertor heat flux using combined probes array
P1-04	Kunihito OGAWA	1 MeV triton orbit analysis in EAST
P1-05	Hideaki MATSUURA	Numerical Study on Large-Angle-Scattering Effects Observed in the LHD Deuterium Plasma Using the Boltzmann-Fokker-Planck Model
P1-07	Liang LIU	Measurement of absolute carbon and helium impurity density profiles based on CXRS diagnostic on HL-2A tokamak
P1-08	Chunhua LIU	The stray laser light simulation and optimized design of beam dump for Thomson scattering system in HL-2M tokamak
P1-09	Maoyuan LUO	Measurement of Electron Temperature Profile and Fluctuation with ECE Radiometer System in Heliotron J
P1-10	Toshiki KINOSHITA	Macroscopic and microscopic instabilities in detached plasma of LHD
P1-12	Dechuan QIU	Design of compact multi-path Thomson scattering diagnostic with signal delay system in Heliotron J
P1-13	Yoshio NAGAYAMA	Measurement of Electron Density Fluctuations by Using the O-mode Microwave Imaging Reflectometry (O-MIR) in TST-2 Spherical Tokamak
P1-14	Masaharu FUKUYAMA	Evaluation of Quasi-Optical Mirror in Millimeter- and Submillimeter-Wave Range Using Three-Dimensional Printer Technique
P1-15	Osamu WATANABE	Evaluation of X-ray penetration pass through shield gap of a hard X-ray measurement system
P1-16	Naoto IMAGAWA	Particle Transport Analysis by Pellet Injection for Characterization of Isotope Effect in LHD
P1-17	Shu ITO	The response of RMP on interchange instability in LHD
P1-18	Peerapat BOONYARITPONG	Proton Beam Production for Divertor Plasma Simulation Experiments in DT-ALPHA Device
P1-19	Kenji SAITO	A scheme for ICRF heating of high-density core plasma in LHD
P1-20	Mitsutaka ISOBE	Measurement of neutron yield for strict observance of its budget in LHD
P1-21	Ryohhei IKEDA	Equilibrium analysis of tokamak plasma including the eddy current effects in TOKASTAR-2
P1-22	Dogyun HWANGBO	Inspection of Arc Trails Formed in Stellarator/Heliotron Devices W7-X and LHD
P1-23	Daichi KOBAYASHI	Evaluation of Transition Velocity Control by Auxiliary Coils for Collisional Merging Formation of FRCs by 2-D Resistive MHD Simulation
P1-24	Hisamichi FUNABA	Impurity Transport of Externally Injected Metal Impurities in the LHD Plasma with Impurity Hole
P1-25	Hiroshi OKAWA	Application to Plasma Immersion Ion Implantation by Inertial Electrostatic Confinement (IEC) Device
P1-26	Akitomi IWAMOTO	Void-free Fuel Solidification in a Foam Shell FIERX Target
P1-27	Hirotsuka CHIKARASHI	Renewal of large current dc power system for fusion plasma experiment facility LHD
P1-28	Mamoru SHOJI	Radiation Resistant Camera System For Monitoring Deuterium Plasma Discharge In The Large Helical Device
P1-29	Osamu MITARAI	Comparative Studies on the Control Algorithm for the High-density Ignition Regime in FFHR-d1
P1-30	Kento MIYAMAE	Study on System Dynamics of Fuel and Burning in DD Start-up Scenario of a Fusion Reactor
P1-31	Kaoru OHYA	Simulation of Deuterium Retention in Tungsten by Repetitive Irradiation with High-Flux Deuterium Ions
P1-32	Yifan ZHANG	Development of a bipolar power supply for Ohmic heating on QUEST spherical tokamak
P1-33	Kosuke ASAI	Temperature dependence on co-deposition layer formed by sputtered tungsten and helium plasma
P1-34	Sho NAKAGAWA	Engineering analysis for vacuum vessel of CFQS quasi-axisymmetric stellarator
P1-35	Ichihiro YAMADA	Influence of neutron irradiation on LHD Thomson scattering system
P1-36	Shunya NAKASONE	The investigation of pretreatment methods for liquid scintillation measurement of environmental water-samples using ion exchange resin
P1-37	Noppon POOLYARAT	Design of power supply system for magnet systems of Thailand Tokamak -1
P1-38	Jiraporn PROMPING	Numerical Study of Supersonic Molecular Beam Injection System in Future Thailand Tokamak
P1-39	Kwangho JANG	Design of VFT and Multipactor Test Chamber for High Power Helicon Current Drive System in KSTAR
P1-40	Myoung-Jae LEE	Propagation of lower-hybrid surface waves in semibounded warm plasmas
P1-41	Gediminas GAIGALAS	Theoretical investigation of E1 transitions for Pr II - Gd II ions
P1-42	Yoshihide SHIBATA	Study of the plasma response on external RMP field in a small tokamak device HYBTOK-II
P1-43	Kazuya HASHIGUCHI	Experimental studies on ion-ion separation and their collection for direct energy conversion
P1-44	Tetsuya AKITSU	A Study on the Detection of Plasma Generated Radicals in the Degradation of Dibromophenols in Water Solution
P1-45	Hayato TSUCHIYA	Study of reconstruction of microwave reflectometry image by machine learning
P1-46	Tomoko KAWATE	Detection of Non-thermal Electrons in LHD Plasmas via Fe-line Spectroscopy
P1-47	Yoshiki MARUKI	High density plasma generation in a thruster using a helical antenna with variable axial length
P1-48	Atsuya KURISUJNO	Improvement of electron collection using a magnetic field with low mirror ratio in a secondary electron direct energy converter simulator
P1-49	Hironume YAMAZUJI	Plasma generation study on dependence of magnetic fields ratio between upstream and downstream for a single helical antenna thruster
P1-50	Quan SHI	The Formation of Cone Structure On Silicon Irradiated with Low Energy Helium Plasma: Flux and Sample Temperature Dependences
P1-51	Hironasa TAKENO	Simulation experiment of thermal load reduction by direct energy conversion using an ion beam injector
P1-52	Daichi OGATA	Mixer Comb-Frequency Generator for Differential Phase Reflectometry
P1-53	Shota ERA	New identification of UV-visible emission lines from highly charged tungsten ions in COBIT
P1-54	Hiroki TAKANO	Two-point measurements along the magnetic field in detached linear plasmas with laser Thomson scattering method
P1-55	Koji ASAKKA	Measurement of Nitrogen Atom Density Generated by Spiral Shape Recombining Plasma
P1-56	Ryosuke OCHIAI	Development and evaluation of ion energy analyzer for energetic ion measurement in a linear plasma device NUMBER
P1-57	Shogo HATTORI	Plasma potential measurements in detached plasmas by using electrostatic probes
P1-58	Hideaki MIURA	Large eddy simulations of magnetized plasmas described by extended MHD model
P1-59	Ryutarō KANNO	Global effect on collisional transport of tungsten impurity
P1-60	Hideo SUGAMA	Improved Linearized Model Collision Operator for Kinetic Plasma Simulation
P1-61	Shirichiro TODA	Study on Effects of Zonal Flows and Trapped Electrons on Turbulent Transport by Reduced Models for Helical Plasmas
P1-62	Kota YANAGIHARA	Quasioptical modeling of the electron cyclotron resonance heating
P1-63	Shabbir Ahmad KHAN	Kinetic full wave analysis of electron cyclotron waves in a tokamak plasma using integral operator method
P1-64	Isaya SAEKI	Simulation study of detached helium plasma in NAGDIS-II by using the fluid code LINDA
P1-65	Jie HUANG	3-D equilibrium reconstruction under resonant magnetic perturbations on EAST
P1-66	Takazumi YAMAGUCHI	Equivalent-Circuit Model for Superconducting Linear Acceleration System: Improvement of Acceleration Performance
P1-67	Ayumu SAITOH	Hybrid Method Incorporated with Meshless approach for Electromagnetic Wave Simulation
P1-68	Haolun LI	Molecular Dynamics Simulation on Structural Change of Tritium-substituted Polyethylene Using Reactive Force Field
P1-69	Shinsuke SATAKE	Optimization study of heliotron devices
P1-70	Ryoya FUNABASHI	High-speed analysis of heating and current drive with neutral beam injection in tokamak plasma
P1-71	Katsuji ICHIGUCHI	Numerical Study of Net Toroidal Current Effects on MHD Stability of LHD Plasmas
P1-72	Daisuke AOKI	Neutral effects on the structure of minimum enstrophy flows
P1-73	Hiroki HASEGAWA	Isotope Effect on Plasma Coherent Structure Propagation
P1-74	Shuhei TOMIMATSU	Dynamics of resistive ballooning instability in PLATO tokamak plasma
P1-75	Gakushi KAWAMURA	Reconstruction of Radiation Profile of Neon-Seeded LHD Plasma from Bolometer Measurements with the Aid of EMC-3-EIRENE
P1-76	Rudolf TRETTLER	MHD Simulation of Plasma Sheet Thinning Due to Loss of Near-Earth Magnetotail Plasma
P1-77	Mieko TOIDA	Simulation study of trapped electron effects on positron acceleration by a shock wave in an electron-ion-positron plasma
P1-78	Arata NISHIMURA	Neutron Irradiation Effect on Critical Current and Critical Magnetic Field of Nb3Sn wire
P1-79	Hiroaki OHTANI	Optimization of electromagnetic particle simulation code PASMO
P1-80	Yasuhiro SUZUKI	Impacts of RMP fields on ELMs in a JT-60SA plasma
P1-81	Ritoku HORIUCHI	Energy Partition and Temperature Anisotropy in Merging Processes of two Spherical-Tokamak-type Plasmoids