

Day1 - November 19, 2018 (Mon)

09:30-10:40 Opening & Group photo

10:40-11:40 PL-1 Choongseok CHANG (Princeton Plasma Physics Laboratory)

*Total-f Gyrokinetic Physics from XGC in the US SciDAC Program and Exascale Computing Project**

11:40-12:00 Break

12:00-12:30 I-01 Joaquim LOIZU (École Polytechnique Fédérale de Lausanne)

Equilibrium β -limits in stellarators using a variational principle

12:30-12:50 O-1 Motoki NAKATA (National Institute for Fusion Science)

Turbulent Transport and Zonal Flow Generation in Quasi-Axisymmetric Stellarator

12:50-14:40 Lunch

14:40-16:40 Poster 1

16:40-16:50 Break

16:50-17:20 I-02 Hidetoshi HASHIZUME (Tohoku University)

Realizable Scenario to Introduce Fusion Reactor with Providing Transmutation Functionality of Minor Actinides

17:20-17:50 I-03 Takuya GOTO (National Institute for Fusion Science)

The Latest Design of a Compact Experimental/Prototype Helical Fusion Reactor FFHR-c1

17:50-18:10 O-2 Junichi MIYAZAWA (National Institute for Fusion Science)

The Role and Issues of the Helical Volumetric Neutron Source FFHR-b1

Day2 - November 20, 2018 (Tue)

- 09:30-10:30 **PL-2 Donald A. SPONG (Oak Ridge National Laboratory)**
Energetic particle driven instabilities in the Alfvén and whistler frequency ranges
- 10:30-10:50 **O-3 Hao WANG (National Institute for Fusion Science, National Institutes of Natural Sciences)**
Simulation of energetic particle driven geodesic acoustic mode channeling in the Large Helical Device
- 10:50-11:10 **Break**
- 11:10-11:40 **I-04 Tsuyoshi INOUE (Nagoya University)**
Plasma Dynamics in the Interstellar Molecular Clouds
- 11:40-12:10 **I-05 Sudeep BHATTACHARJEE (Indian Institute of Technology - Kanpur)**
Capillary Guiding and Sub-Micron Structuring using Ion Beams from Microwave Plasmas in a Multicusp
- 12:10-12:40 **I-06 Y. Kishimoto (Kyoto University)**
Role of magnetic shear in tokamak/stellarator and laser produced magnetically confined plasmas : transport and other fundamentals
- 12:40-14:30 **Lunch**
- 14:30-16:30 **Poster 2**
- 16:30-16:40 **Break**
- 16:40-17:10 **I-07 Ritoku HORIUCHI (National Institute for Fusion Science)**
PIC simulation study of merging processes of two plasmoids in a rectangular conducting vessel
- 17:10-17:40 **I-08 Hiroshi TANABE (University of Tokyo)**
Investigation of Ion Heating/transport Process During High Guide Field Merging/reconnection Experiment
- 17:40-18:00 **O-4 Yasushi ONO (University of Tokyo)**
Self-Organization, Reconnection and Heating of Two Merging Toroidal Flux Tubes for FRC and High-Beta Tokamak Formation

Day3 - November 21, 2018 (Wed)

- 09:30-10:30 **PL-3 Hideo SUGAMA (National Institute for Fusion Science)**
Recent Progresses in the Numerical Simulation Reactor Research Project
- 10:30-10:50 **O-5 Fulvio ZONCA (ENEA C.R. Frascati)**
Nonlinear Wave-Particle Resonances due to Imposed Magnetic Perturbations
- 10:50-11:10 **Break**
- 11:10-11:40 **I-09 Liu CHEN (Zhejiang University)**
A New Hybrid Particle Simulation Scheme using Electromagnetic Fields
- 11:40-12:10 **I-10 Rajaraman GANESH (Institute for Plasma Research, Bhat, Gandhinagar, INDIA)**
Numerical evolution and equilibria of a new gyrokinetic MHD formulation
- 12:10-12:40 **I-11 David A. GATES (Princeton Plasma Physics Laboratory)**
A quantitative model for the tokamak density limit
- 12:40-14:30 **Lunch**
- 14:30-15:00 **I-12 Zhiwei MA (Zhejiang University)**
Sawtooth oscillation and fast crash in Hall MHD
- 15:00-15:30 **I-13 Sanat K TIWARI (Indian Institute of Technology Jammu)**
Effect of bound state formation on structural and dynamical properties of an ultracold plasma
- 15:30-16:00 **I-14 Zhisong QU (the Australian National University)**
Multiregion Relaxed MHD (MRxMHD) with flow
- 16:00-16:20 **Break**
- 16:20-16:50 **I-15 Hideyuki HOTTA (Chiba university)**
Solar and stellar convection and dynamo
- 16:50-17:20 **I-16 Volodymyr Stepanovych MYKHAYLENKO (Pusan National University)**
The Nonmodal Effects of the Shearing Flows on the Instabilities of the Fusion and Space Magnetized Plasmas.
- 17:20-17:40 **O-6 Ting Long (Southwestern Institute of Physics)**
Poloidal Rotation Driven by Turbulent Residual Stress in the Edge of HL-2A Tokamak Plasmas
- 18:30-20:30 **Banquet**

Day4 - November 22, 2018 (Thu)

09:30-10:30 **PL-4 Shinsuke FUJIOKA (Osaka University)**

Magnetized Fast Isochoric Heating via Multi-Picosecond Relativistic Laser as a Scalable Approach to Laser Inertial Confinement Fusion Ignition

10:30-10:50 **O-7 Satoshi OHDACHI (National Institute for Fusion Science)**

Tomographic inversion technique using orthogonal basis patterns

10:50-11:10 **Break**

11:10-11:40 **I-17 Takashi SHIROTO (Osaka University)**

Computational theory for charge-momentum-energy-conserving electromagnetic Vlasov simulation

11:40-12:10 **I-18 Shohei SAKATA (Institute of Laser Engineering, Osaka University)**

Magnetized fast isochoric laser heating at GEKKO-LFEX laser facility

12:10-12:40 **I-19 Shigeru MORITA (National Institute for Fusion Science)**

Unique impurity control based on the intrinsic nature of LHD plasmas generated with external magnetic coil system

12:40-14:30 **Lunch**

14:30-15:00 **I-20 Ding LI (Chinese Academy of Sciences)**

Effect of Hyper-Resistivity on Nonlinear Resistive Tearing Modes

15:00-15:30 **I-21 Naohisa SAKAMOTO (Kobe University)**

Visual Data Exploration for Large-Scale Numerical Simulations on HPC Environments

15:30-15:50 **Closing**

Poster 1 :: November 19, 2018 (Mon) 14:40-16:40

- P1-01 Jinbang YUAN (Southwestern Institute of Physics)**
Gas Puff Imaging Diagnostic on HL-2A Tokamak
- P1-02 Masaharu Fukuyama (Kyushu university)**
Adaptive-array ECE Diagnostics for using phased-array patch loop antennae
- P1-03 Miu YUNOKI (Kyushu-University)**
Development of W-band corrugated horn antenna based on electromagnetic field simulator analysis
- P1-04 *Withdrawn***
- P1-05 Hisamichi FUNABA (National Institute for Fusion Science)**
Evaluation of Electron Temperature from the Time-Developing Thomson Scattered Signals on LHD
- P1-06 Nilam NIMAVAT (SOKENDAI)**
Study of Lyman- α Line Polarization due to Anisotropic Electron Collisions in LHD Plasma
- P1-07 Peerapat BOONYARITTIPONG (Tohoku University)**
High Energy H⁺ Beam Production for Divertor Plasma Simulation Experiments in DT-ALPHA Device
- P1-08 Shishir PUROHIT (National Institute for Fusion Science)**
SOFT X-RAY TOMOGRAPHIC RECONSTRUCTION OF HELIOTRON-J PLASMA FOR THE STUDY OF MAGNETOHYDRODYNAMICS ACTIVITIES
- P1-09 Ryosuke SEKI (National Institute for Fusion Science)**
Evaluation of Neutron emission rate with FIT3D-DD code in large helical device
- P1-10 Qinghong CAO (Graduate School of Engineering, the University of Tokyo)**
2D High-Resolution Magnetic Field Measurement of the Merging Tokamak Plasmas in New Reconnection Experiment: TS-3U
- P1-11 Yasuko KAWAMOTO (National Institute for Fusion Science)**
Effective ion charge diagnostic for the LHD plasma
- P1-12 Yongtae KO (University of Tokyo)**
Measurement of the lower hybrid wave using RF magnetic probes on the TST-2 spherical tokamak
- P1-13 Moe AKIMITSU (The University of Tokyo)**
High Resolution Magnetic Field Measurement of Magnetic Reconnection in TS-6 Device Using Printed-Circuit Board Coils
- P1-14 Hamada Y. (NIFS)**
Study of high-frequency magnetic bursts in JIPPT-IIU tokamak plasmas using a heavy ion beam probe
- P1-15 R. Kanno (National Institute for Fusion Science)**
Development of impurity transport simulation code based on drift-kinetic equation
- P1-16 Mamoru SHOJI (National Institute for Fusion Science)**
Comparative Analysis of Impurity Transport in the Peripheral Plasma in the Large Helical Device for Carbon and Tungsten Divertor Configurations with EMC3-EIRENE
- P1-17 Ryota MATOIKE (Kyoto University)**
First Application of 3D peripheral plasma transport code EMC3-EIRENE to Heliotron J
- P1-18 T. Kobayashi (National Institute for Fusion Science)**
Comparison of 3D distribution of impurity emission obtained by single field-of-view tomography with 3D edge transport code EMC3-EIRENE in the large helical device
- P1-19 Tomoyuki MAEDA (Keio University)**
Effects of the Plasma Blob Nonlinear Formation/Transport on Impurity Transport in the SOL Regions
- P1-20 Jintana PAKDEEWANICH (Prince of Songkla University)**
Effects of Impurity Radiation on Plasma Performance, Pedestal width and Height Based on Two-field Bifurcation Approach
- P1-21 Tetsutarou OISHI (National Institute for Fusion Science)**
Study of Carbon Impurity Transport in Deuterium and Hydrogen Plasmas in the Edge Ergodic Layer of Large Helical Device

- P1-22 Gakushi KAWAMURA (National Institute for Fusion Science)**
Impurity Transport Analysis in LHD Divertor Plasma with Neon Gas Puff
- P1-23 Keisuke MATSUURA (Graduate School of Engineering, Nagoya University)**
Analysis of impurity ion transport in plasmas with toroidal rotation by orbit following calculation
- P1-24 Arseniy Kuzmin (NIFS)**
Helium and carbon collisional-radiative models for evaluation of plasma parameters in stochastic layer of LHD
- P1-25 Yuejiang SHI (Seoul National University)**
Observation of multi-channel non-local transport in J-TEXT plasmas
- P1-26 Shinichiro TODA (National Institute for Fusion Science)**
Transport simulation in helical plasmas by use of gyrokinetic transport model
- P1-27 *Withdrawn***
- P1-28 Kimitaka ITOH (Chubu University)**
On the source of turbulence by fuelling
- P1-29 V.Yu. SERGEEV (Peter the Great St.Petersburg Polytechnic University)**
MODELING OF NON-LOCALITY PHENOMENA IN MAGNETICALLY CONFINED PLASMAS
- P1-30 Shinsuke SATAKE (National Institute for Fusion Science)**
Development of a Global Neoclassical Transport Simulation for Multi Species Plasmas in Helical Configuration
- P1-31 Yang LI (Southwestern Institute of Physics)**
NONLINEAR TURBULENT PARALLEL MOMENTUM TRANSPORT DUE TO BLOBS
- P1-32 Boyu ZHANG (Kyushu University)**
Evaluation Of Intermittency Of Turbulence In A Linear Magnetized Plasma
- P1-33 Guoliang XIAO (Southwestern Institute of Physics, China)**
Effect of the external driven velocity shear on the turbulence radial wavenumber spectral shift and its amplitude
- P1-34 Naoki KENMOCHI (The University of Tokyo)**
Uphill Diffusion with Low Frequency Fluctuation in Dipole Magnetic Field
- P1-35 Shogo MAETA (Kyoto University)**
Modelling of heat transport in LHD using neural network with non-dimensional input parameters
- P1-36 Yasuhiro YAMAMOTO (Kyoto University)**
Effects of Electron Cyclotron Heating on the Toroidal Flow in Helical Plasmas
- P1-37 Rentaro YOSHIDA (Kyoto university)**
Velocity Space Two-dimensional Collisional Effect On Flux-driven ITG Turbulence
- P1-38 Yasushi TODO (National Institute for Fusion Science)**
Critical Fast Ion Distribution Function for the Synchronized Burst of Multiple Alfvén Eigenmodes
- P1-39 Kunihiro OGAWA (NIFS)**
Feasibility Study of Neutral Beam Injection on Chinese First Quasi-axisymmetric Stellarator (CFQS)
- P1-40 Shigeyoshi KINOSHITA (National Institute for Fusion Science (NIFS))**
Engineering Design for the Chinese First Quasi-axisymmetric Stellarator (CFQS)
- P1-41 Mitsutaka ISOBE (National Institute for Fusion Science)**
Current Status of the NIFS-SWJTU Joint Project for Chinese First Quasi-axisymmetric Stellarator (CFQS)
- P1-42 Suphachok BUARUK (Prince of Songkla University)**
Comparisons of the Plasma Performance of Future Thailand Tokamak using Various External Heating
- P1-43 K. SATOU (Nagoya University)**
Development and tests of electrode assembly for plasma-immersed energetic-ion-production device
- P1-44 Akihiro SHIMIZU (National Institute for Fusion Science)**
Consideration of The Influence of Coil Misalignment on The CFQS Magnetic Configuration
- P1-45 Shota YAMADA (Keio University)**
Numerical Simulation for the Enhancement of H- Production in the DC Arc-Discharge Hydrogen Negative Ion Source for Medical Use

- P1-46 Hatem ELSERAFY (Kyushu University)**
Design of high field side injection of X-mode for EBW conversion experiment in QUEST
- P1-47 Hongyu Zhou (University of Defense Technology)**
Numerical study of bandwidth effect on stimulated Raman backscattering in nonlinear regime
- P1-48 Yuuki OKAMOTO (kobe university)**
Improvement of ion-ion separation and collection by modification of electrode structure in a cusp type direct energy converter
- P1-49 N. Kamuki (Chubu University)**
Computational Design of Next Generation Fusion Reactor, FFHR
- P1-50 Keito HANAI (Tokai university)**
Development of Cs-free high current negative ion source by sheet plasma
- P1-51 Toshiyuki MARUYAMA (TOYAMA Co.,Ltd.)**
Mechanical design and structural analysis for lower port optics of ITER Divertor Impurity Monitor
- P1-52 Hiroki SHISHIDO (Tohoku University)**
A Dynamic Model of the Sustainable Twin Nuclear Fuel Cycle by Introducing Fusion Transmutation Reactors
- P1-53 Taiga SHINOBI (Kyoto University)**
Integrated simulation study of LHD type fusion reactor by TASK3D
- P1-54 Roppon PICHA (Thailand Institute of Nuclear Technology)**
Simulation Study of Triangularity Effects on Plasma Properties for Future Thailand Tokamak
- P1-55 Arata NISHIMURA (National Institute for Fusion Science)**
Study on Butt Weld Joint of Thick Plate Superconducting Coil Structure for Reduction of Welding Residual Deformation
- P1-56 S. Matsunaga (SOKENDAI)**
Current transfer characteristics on the Wound and Impregnated Stacked Elastic tapes conductor
- P1-57 Tetsuhiro OBANA (NIFS)**
Self-magnetic field measurements of the JT-60SA CSI module
- P1-58 Shinsaku IMAGAWA (National Institute for Fusion Science)**
Study on Configuration of Conductor Samples for 13 T - 700 mm Test Facility
- P1-59 Kazuhiro SHIBATA (Kobe University)**
Experimental analysis on variation of the amount of particles passing through traveling wave direct energy converter
- P1-60 Hirotaka YAMADA (Kobe University)**
Improvement of evaluation of heat quantity in a simulation experiment of divertor thermal load reduction by using a charge separation device
- P1-61 Takeru OHGO (The Graduate University for Advanced Studies)**
Pebble Manufacturing by the High Viscosity Liquid Shot Tower Method for the Fusible Metal Pebble Divertor
- P1-62 Punit KUMAR (University of Lucknow, India)**
Electron-Hole Instability In Quantum Semiconductor Quantum Plasma With Spin Polarization
- P1-63 Young-Dae JUNG (Hanyang University)**
Resonant instabilities of surface dust ion-acoustic waves in a bounded dusty plasma slab with ion flows
- P1-64 Myoung-Jae LEE (Hanyang University)**
Propagation of Ion-Cyclotron Surface Waves in Semi-bounded Dusty Plasmas with the Generalized Nonthermal Distribution Function
- P1-65 Takumi HADA (Nihon university)**
Propagation of plasma bullet in impurity-controlled working gas: from standard to ultrapure atmospheric pressure plasma
- P1-66 Muhammad IKRAM (Hazara University Mansehra, 21300 Khyber Pakhtunkhwa, Pakistan)**
Electrostatic Simulations Of The RF Heating Of A Non-Neutral Plasma In An Electron Trap
- P1-67 Seiji ISHIGURO (National Institute for Fusion Science)**
Potential Structure in the Detached Plasma Invaded by a Strong Plasma Pulse

- P1-68 Mark jeffry Din DE LEON (University of the Philippines Diliman)**
Cold Atmospheric Pressure Plasma Jet Treatment Of Polyvinyl Chloride For Improved Paint Adhesion
- P1-69 S. Yamashita (Tsukuba university)**
Evaluation of the stable measurement method by ASDEX type fast ion gauge under high-pressure gas environment
- P1-70 G. SAKAI (Gunma University)**
A Monte Carlo Simulation for Hollow-Cathode Discharge Plasma in Magnetic Fields
- P1-71 Shingo MASAKI (Doshisha University)**
Electric Potential Structure in the Extraction Region of the Negative Hydrogen Ion Source
- P1-72 Jingyuan YANG (Nagoya Institute of Technology)**
Fluctuations of Incompressible Passive Vectors Convected by Homogeneous Turbulence
- P1-73 Volodymyr Volodymyrovych MYKHAYLENKO (Pusan National University)**
The Ion Cyclotron Instabilities And Turbulence Of The Plasma Shearing Flows
- P1-74 Keisuke ARAKI (Okayama University of Science)**
A note on stability analysis by the second variation of the Lagrangian and Hamiltonian
- P1-75 Sota Mukai (Hokkaido University)**
Invariant Correction for Analysis of N-body Problem
- P1-76 Takeru FURUKAWA (Tokyo university of Agriculture and Technology)**
Measurement of Azimuthal Current in Rotating Magnetic Field Plasma Acceleration Method
- P1-77 Joey kim Tumbali SORIANO (Doshisha University)**
Development and characterization of ion mobility spectrometer
- P1-78 Arnold Rey Burgos GINES (Doshisha University)**
Characteristics of an ECR Sheet Plasma
- P1-79 Shinji YOSHIMURA (National Institute for Fusion Science)**
Intermittent magnetic fluctuations associated with high-temperature bubbles in an ECR plasma
- P1-80 Hiroe IGAMI (NIFS)**
Observation of stair-like frequency transitions of ion cyclotron harmonic emissions in the lower hybrid frequency range in LHD
- P1-81 K. ASAOKA (Nagoya University)**
Generation of spiral shape nitrogen recombining plasma for radical sources
- P1-82 Marlo Nicole GILOS (Doshisha University)**
OPTICAL EMISSION SPECTROSCOPY OF ARGON AND WATER VAPOR DC REACTIVE SPUTTERING OF ZINC OXIDE FILMS
- P1-83 Keigo Asano (Nagoya University)**
FDTD Simulation of Optical Properties of Tungsten Fuzz Structure
- P1-84 Ma. Shanlene D.C. Dela Vega (University of the Philippines Diliman)**
Plasma Modification of Exfoliated Graphene and Its Effects on Water Desalination
- P1-85 Kota YANAGIHARA (Nagoya University)**
Extended geometrical optics ray tracing with single reference ray method in helical fusion plasmas
- P1-86 Shin NISHIMURA (National Institute for Fusion Science)**
Nonlinear collisional energy exchange/scattering of plasma particle species with strongly anisotropic velocity distribution
- P1-87 Junichi SEKIGUCHI (Nihon University)**
Excitation of Shock Waves in a Collisional Merging Process of FRC Plasmas
- P1-88 Tetsuya AKITSU (Professor Emeritus of the University of Yamanashi)**
Electro-chemical plasma degradation of the 2,4 di-bromophenol flame retardant.
- P1-89 Hiroshi OKAWA (Happy Science University)**
Water-remediation using gas-liquid boundary plasma electrolysis
- P2-60 Takao FUKUYAMA (Nagasaki University)**
Study on spatiotemporal structure of ionization waves in a glow discharge plasma

Poster 2 :: November 20, 2018 (Tue) 14:30-16:30

- P2-01 Hideaki MIURA (National Institute for Fusion Science)**
Anisotropic SGS modeling for large eddy simulation of magnetized plasma
- P2-02 Kiyomasa WATANABE (NIFS)**
Study of interchange MHD instability in low magnetic shear heliotron plasma with net toroidal current
- P2-03 Katsuji ICHIGUCHI (National Institute for Fusion Science)**
Fundamental Numerical Study of D Shape Heliotron
- P2-04 Yong LIU (Institute of Plasma Physics)**
Intense intermittent radiation at the plasma frequency on EAST
- P2-05 T. YAMAUCHI (Nagoya University)**
Development of electron gun and probes for Measurement of Magnetic Flux Surface on TOKASTAR-2
- P2-06 Naoki MIZUGUCHI (National Institute for Fusion Science)**
Numerical Modeling of Pressure Redistribution in the Single Helicity States of Reversed-Field Pinch
- P2-07 Tetsuo OZAKI (NIFS)**
Reduction of the neutron induced noise in the compact neutral particle analyzer for LHD deuterium plasma experiments
- P2-08 J. Varela (NIFS)**
Analysis of the MHD stability and energetic particles effects on EIC events in LHD plasma using a Landau-closure model
- P2-09 Hideaki MATSUURA (Kyushu University)**
Knock-on Tail Observation Scenario Using γ -ray-generating $6\text{Li}+d$ Reaction in the LHD Deuterium Plasma
- P2-10 Shota SUGIYAMA (Kyushu University)**
Prediction of Neutron Emission Anisotropy for Validation of an Analysis Model for Neutron Spectra in Beam-Injected LHD Deuterium Plasmas
- P2-11 K. Kimura (Kyushu University)**
Knock-on Tail Observation Scenario Using Characteristic X-rays from Energetic Ions Produced by $6\text{Li}+d$ Reaction
- P2-12 Mieko TOIDA (National Institute for Fusion Science)**
Particle simulation of stair-like frequency chirping in lower-hybrid resonance range caused by energetic ions
- P2-13 Tatsuki AMITANI (National Institute of Technology, Toyama College)**
Development of Fast-Neutron Detector with Scintillating Optical Fiber for Triton Burnup Experiment in Deuterium Plasmas
- P2-14 Hideo NUGA (National Institute for Fusion Science)**
Analysis of energetic particle confinement in LHD using neutron diagnostics and Fokker-Planck codes
- P2-15 Jialei WANG (Dalian University of Technology)**
Linear and Nonlinear Simulations of Alfvén Eigenmodes Destabilized by Energetic Ions and Electrons
- P2-16 Hibiki YAMAZAKI (The University of Tokyo)**
Hard X-ray Profile Measurements for TST-2 Lower Hybrid Current Driven Plasmas
- P2-17 Linge ZANG (Southwestern Institute of Physics)**
Development of a calibration system for the compact pinhole NPA on HL-2A/M
- P2-18 Neng PU (The Graduate University for Advanced Studies)**
Evaluation of Scintillating-fiber detector response for 14 MeV neutron measurement
- P2-19 Y. Hayashi (National Institute for Fusion Science)**
Study on heat pulse propagation in detached recombining plasma by using linear plasma device Magnum-PSI
- P2-20 Jhoelle GUHIT (Doshisha University)**
Effect of Substrate Temperature on the Hydrogen Reflection at Metal Surfaces
- P2-21 Hirohiko TANAKA (Nagoya University)**
Characterization of He induced nanostructures using SEM image analysis
- P2-22 Junki MORIMOTO (SOKENDAI (The Graduate University for Advanced Studies))**
The finite larmor radius effect on heat load by lost fast ions

- P2-23 Apiwat WISITSORASAK (King Mongkut's University of Technology Thonburi)**
Development of Extended Two-Point Model for Asymmetric Scrape-Off-Layer
- P2-24 Akihiro IWATA (Kyoto University)**
Observation of the Hot Spot on Plasma-Facing Wall in Heliotron J by the Visible and Near-Infrared Simple Spectrometer System
- P2-25 Hiroki HASEGAWA (National Institute for Fusion Science)**
Effect of Ion Mass on Plasma Filament Propagation Dynamics
- P2-26 Yasuhiro SUZUKI (National Institute for Fusion Science)**
Particle-In-Cell (PIC) simulation of plasma-wall interactions with anisotropic temperature
- P2-27 Yutaka FUJIWARA (NIFS)**
Evaluation of an Energetic Particle Radial Profile Using a FIDA Diagnostic in the Large Helical Device
- P2-28 Azusa FUKANO (Tokyo Metropolitan College of Industrial Technology)**
Analysis of Plasma Distribution near the Extraction Region in Negative Ion Sources with Surface and Volume Produced Negative Ions
- P2-29 Shuji KAMIO (National Institute for Fusion Science)**
Steady State Operation with High Power ICRF Heating in LHD
- P2-30 Motoshi GOTO (National Institute for Fusion Science)**
Dependence of Plasma Parameters in Hydrogen Pellet Ablation Cloud on the Background Plasma Conditions
- P2-31 Canbin HUANG (Kyushu University)**
RESULT OF TRANSIENT COAXIAL HELICITY INJECTION EXPERIMENTS ON QUEST
- P2-32 Yuki GOTO (Nagoya University)**
Observation and Calculation of the ECE with Spatial Changing of the Optical Thickness in the LHD Plasma
- P2-33 Fumiaki INOUE (Ibaraki University)**
Development of Fast Switching Device of High Power Millimeter Wave Using Natural Vibration for Electron Cyclotron Current Drive System
- P2-34 Yuya MORISHITA (kyoto university)**
Simulation study of Neutral Beam Injection Heating in the HSX plasma
- P2-35 Shin KUBO (National Institute for Fusion Science)**
Electron Bernstein wave detection by far-infrared wave scattering in QUEST
- P2-36 Hiroto MATSUURA (Osaka Prefecture University)**
Consideration of Heat Conduction Problem in Heliotron J Combined Probe Analysis
- P2-37 Keiji Fujita (Sokendai)**
Global effects on the variation of ion density and electrostatic potential
- P2-38 Tianyang XIA (ASIPP)**
Simulations on the H-mode Heat Fluxes Affected by the Topology Changing Effects of LHW on EAST
- P2-39 Apisit - DANG-IAD (Prince of songkla University)**
Study of Torques and Current Effects on ETB and ITB Formations based on Three-Field Bifurcation Concept
- P2-40 Ryusei KOTERA (KyotoUniversity)**
Evaluation Of Beam-Beam Fusion Reaction Rate Including Localized Beam Profile In Tokamak Plasma
- P2-41 Ryosuke SEKI (National Institute for Fusion Science)**
Evaluation of Pressure Anisotropy derived from NBI in the LHD by using the Monte Carlo code
- P2-42 Takahiro URANO (Gunma University)**
Hybrid simulation of tangential neutral beam injection into a field-reversed configuration plasma
- P2-43 Makoto KOBAYASHI (national institute for fusion science)**
Correlation between migration of hydrogen isotopes and oxygen distribution in SS-316L
- P2-44 Siriyaporn - SANGAROON (Mahasarakham University)**
Neutronics Assessment for Phase II Future Thailand Tokamak
- P2-45 Takeo NISHITANI (National Institute for Fusion Science)**
Neutronics analyses for shield upgrading of the compact neutral particle analyzer for LHD deuterium plasma

experiments

- P2-46 Hisanori MIYANISHI (Nagoya University)**
Molecular dynamics simulation of DNA damage by tritium beta-decay
- P2-47 Sin-iti KITAZAWA (National Institutes for Quantum and Radiological Science and Technology)**
Gamma ray irradiation effect on optical elements of ITER divertor impurity monitor
- P2-48 Sumi Yokoyama (Fujita Health University)**
Field estimation for improvement of environmental tritium behavior model
- P2-49 Tomoyo TANAKA (Nagoya University)**
Measurement of Thermal and Epi-thermal Neutron Flux Distribution in the Torus Hall of LHD Using Activation Method in 1st Deuterium Experiment Campaign
- P2-50 Atsushi M. ITO (National Institute for Fusion Science)**
Incident Energy Dependence of Tungsten Fuzzy Nanostructure Formation under Helium Plasma Irradiation by Using BCA-MD-KMC Multi-Hybrid Simulation
- P2-51 Arimichi TAKAYAMA (National Institute for Fusion Science)**
Physical Properties of Self-irradiated Tungsten Evaluated by Molecular Dynamics Simulation
- P2-52 K. Asai (graduate school of engineering, Nagoya University)**
Characteristics of co-deposition by tungsten deposition layer formed by helium plasma
- P2-53 Teruou TAKAYAMA (Yamagata University)**
High-Performance FEM Simulation of Axisymmetric Pellet Injection System Using HTS Linear Acceleration
- P2-54 Jiraporn PROMPING (Thailand Institute of Nuclear Technology)**
Predictions of plasma behavior due to pellet injection for future Thailand tokamak using CRONOS code
- P2-55 Ryusuke TSUJI (Ibaraki University)**
Trajectory Calculation of Horizontally Injected Inertial Fusion Energy Target in Residual Gas
- P2-56 H. NATSUME (Nagoya University)**
Observation with microwave interferometer and Langmuir probe along the magnetic field in the detached linear plasma
- P2-57 Kazuya ICHIMURA (Kobe university)**
Study on the Sensitivity of Fast Ionization Gauge in Mixture Gas of Hydrogen and Helium
- P2-58 Duan Xie (National University of Defense Technology)**
The Application of Polarization Grating (PG) in High-Order Harmonic Generation from Intense Laser-Solid Interaction
- P2-59 Hiroaki NAKAMURA (National Institute for Fusion Science)**
Rotational-symmetry dependence of orbital angular momentum in waveguide
- P2-61 Wakaba KOBAYASHI (Keio University)**
Investigation of Dependence of Power Transfer on Frequency in the Linac4 H- Source
- P2-62 Efren N. Hamoy (Ateneo de Manila)**
Self-Tuning Inductively Coupled Plasma Generator
- P2-63 S. Iwata (Gunma University)**
Monte Carlo analysis of ionization and secondary electron emission in a hollow cathode discharge with magnetic field applied by Helmholtz coil current
- P2-64 Kojiro SEKIGUCHI (Gunma University)**
Hollow cathode discharge experiment applying magnetic field of permanent magnets
- P2-65 Takayuki HARUKI (University of Toyama)**
Boundary conditions required to suppress electric fields initially induced in the vicinity of a stressed X-point
- P2-66 Shunsuke USAMI (National Institute for Fusion Science)**
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