# Poster List


Online Conference
ITC31
The 31st International Toki Conference on Plasma and Fusion Research
Expanding academic world emerging from fusion science
November 8-11, 2022

# Poster Session 1 on Nov. 8th 13:00 – 15:00(JST)

[P $\alpha$ - $\beta$ F $\gamma$ ]  $\alpha$ :Day,  $\beta$ : Floor number of Remo,  $\gamma$ : Poster number

**Nominee for Best Student Presentation Award

| Day | Poster number | Presenter | Affiliation | Title |
|---|---|---|---|---|
| Nov. 8th | P1-1F01 | Wang Hao | National Institute for Fusion Science | Simulation of multi-modes in ASDEX-Upgrade plasma |
| Nov. 8th | P1-1F02 | Nunami Masanori | National Institute for Fusion Science | Application of manifold structure in turbulent transport modeling |
| Nov. 8th | P1-1F03 | Kovtun Yurii | Institute of Plasma Physics of the NSC KIPT | ICRF plasma production with hydrogen minority heating in Uragan-2M and Large Helical Device |
| Nov. 8th | P1-1F04 | canceled | | |
| Nov. 8th | P1-1F05 | Sakamoto Koki | Kyoto University | Study of ECH generated Toroidal Torque in HeliotronJ Plasma |
| Nov. 8th | P1-1F06 | Poolyarat Nopporn | Thailand Institute of Nuclear Technology | On the Status of Thailand Tokamak-1 |
| Nov. 8th | P1-1F07 | Yanai Ryoma | National Institute for Fusion Science | Study of ECH Beam Broadening Influenced by Density Fluctuations in LHD |
| Nov. 8th | P1-1F08 | Tsunoda Keishi | Nagoya University | Improvement of the accuracy of eddy current field calculation in the plasma generating region in TOKASTAR-2 |
| Nov. 8th | P1-1F09 | Nasu Tatsuhiro | The Graduate University for Advanced Studies | Cross-scale interaction between electron and ion scale turbulence |
| Nov. 8th | P1-1F10 | Wang Jialei | National Institute for Fusion Science | Self-consistent Simulations of ICRF-induced Alfvén Eigenmodes in the Large Helical Device |
| Nov. 8th | P1-1F11 | Sugama Hideo | National Institute for Fusion Science | Momentum transport in electromagnetic gyrokinetic turbulence |
| Nov. 8th | P1-1F12 | Yudai Sugimoto | Plasma Research Center, University of Tsukuba | First measurement of high-energy ions during excitation of ICRF difference-frequency wave in GAMMA 10/PDX |
| Nov. 8th | P1-1F13 | Zhou Junyao | QUEST, Kyushu University | Investigation Of Electron Bernstein Wave Current Drive In Open Magnetic Flux Surface With High-field-side RF Injection On QUEST |
| Nov. 8th | P1-1F14 | Toda Shinichiro | National Institute for Fusion Science | Quantitative research of turbulent transport for trapped electron and ion temperature gradient modes in tokamak plasmas |
| Nov. 8th | P1-1F15 | Malik Idouakass | National Institute for Fusion Science | Nonlinear Numerical Study of Energetic Particle Transport in ITER Plasmas and Comparison with Current DIII-D Results |

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| Nov. 8th | P1-1F16 | Fujimura Tetsuya | The University of Tokyo | Separation and Clustering of magnetic probe signals by fluctuation using Unsupervised deep learning method |
| Nov. 8th | P1-1F17 | Shinohara Kouji | The University of Tokyo | Design of probe to investigate energetic electrons in lower hybrid wave plasmas in the TST-2 spherical tokamak |
| Nov. 8th | P1-1F18 | Inagaki Shinichiro | Kyoto Institute of Technology | First experimental monitor of the three-dimensional structure of toroidal plasmas by using multiple soft X-ray imaging technique |
| Nov. 8th | P1-1F19 | Zennifa Fadilla | Kyushu University | Development of gyrotron operation system with relational database based on distributed communication processes |
| Nov. 8th | P1-1F20 | Gong Mingzheng | National Institute for Fusion Science | A new Correlation-ECE system on LHD |
| Nov. 8th | P1-2F01 | Ikezoe Ryuya | Research Institute for Applied Mechanics, Kyushu University | Sudden change events of plasma current during electron–cyclotron current start–up on the QUEST spherical tokamak |
| Nov. 8th | P1-2F02 | Umezaki Daisuke | Kyushu University | Observation of knock-on tail formation in deuteron velocity distribution function by ICRF-heated energetic protons in the large helical device |
| Nov. 8th | P1-2F03 | Ohno Nobuaki | University of Hyogo | Interactive Visualization of MHD simulation data with HMD and VOIR |
| Nov. 8th | P1-2F04 | Shoji Mamoru | National Institute for Fusion Science | Investigation of the magnetic field configuration for magnetic surface measurements in the CFQS quasi-axisymmetric stellarator |
| Nov. 8th | P1-2F05 | Okuda Shuhei | Kyoto University | Extension of Global Gyrokinetic Code for Tokamak Edge Turbulence Simulation |
| Nov. 8th | P1-2F06 | Saitoh Ayumu | Yamagata University | Development of High-Performance Solver for Symmetric Linear System in Shielding Current Analysis of HTS Thin Film |
| Nov. 8th | P1-2F07 | Oguchi Takuya | University of Toyama | Measurement of ion energy distribution function of fast plasma flow driven by plasma focus device using retarding field energy analyzer |
| Nov. 8th | P1-2F08 | Adulsiriswad Panith | National Institute for Fusion Science | Study of the interaction Between Energetic Particles and Magnetohydrodynamics modes in the JT-60SA inductive scenario |
| Nov. 8th | P1-2F09 | Li Hanzheng | The University of Tokyo | Nonlinear Magnetohydrodynamic Effects on Waveform Distortion and Plasma Flow of Off-axis Fishbone Instability in Tokamak Plasma |
| Nov. 8th | P1-2F10 | Goto Takuya | National Institute for Fusion Science | Study on configuration optimization of a fusion power plant with continuous helical coils |

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| Nov. 8th | P1-2F11 | Yabumoto Sora | The Graduate University for Advanced Studies | Detection of Abnormal Magnetic Surfaces in Optimized Configuration Survey |
| Nov. 8th | P1-2F12 | Sakaki Naoto | Nagoya University | Identification of quantum vortex in Gross-Pitaevskii simulation |
| Nov. 8th | P1-2F13 | Kim Doyeon | Plasma Research Center, University of Tsukuba | Examination of high-density plasma heating on the GAMMA 10/PDX central cell with 3D wave analysis code |
| Nov. 8th | P1-2F14 | Zenitani Seiji | Kobe University | Multiple Boris solvers for particle-in-cell (PIC) simulation |
| Nov. 8th | P1-2F15 | Matsuda Shinzaburo | Meirin Gakusya Student House | Infection Reproduction EXCEL Model of COVID-19 for Predictive Calculation of Nearby Trend up to the End of Infection |
| Nov. 8th | P1-2F16 | Miura Hideaki | National Institute for Fusion Science | Numerical simulations of Hall MHD turbulence with magnetization |
| Nov. 8th | P1-2F17 | Li Haolun | Kyoto Institute of Technology | Reactive Molecular Dynamics Study on Intermolecular Structural Changes of Radicalized Polyethylene Chains |
| Nov. 8th | P1-2F18 | Kamitani Atsushi | Yamagata University | Improved Variable-Reduction Method and Its Variant for Solving Asymmetric EFG-Type Saddle-Point Problem |
| Nov. 8th | P1-2F19 | Ishiguro Kento | Department of Electrical Engineering, Graduate School of Engineering, Nagoya University | Evaluation of the effect of tritium decay on the tolerance of DNA structure by MD simulation |
| Nov. 8th | P1-2F20 | Lin Zhehao | Nagaoka University of Technology | Implosion dynamics of direct-drive fuel pellet with improved structure for reducing nonuniformity of energy deposition by heavy-ion-beam in heavy-ion inertial fusion |
| Nov. 8th | P1-3F01 | Ito Shu | Nagoya University | Dependence of Interchange Instability Response to External RMP on Discharge Conditions |
| Nov. 8th | P1-3F02 | Matsumoto Yutaka | Hokkaido University | Monte-Carlo Analysis of Triton Produced by D-D Fusion Reaction in NB-injected LHD Plasma |
| Nov. 8th | P1-3F03 | Purohit Shishir | Institute for Plasma Research | Investigation of temporal evolution of hard X-ray spectrum from Neon seeded plasma of ADITYA-U Tokamak |
| Nov. 8th | P1-3F04 | Garg Kajal | Institute for Plasma Research | Hard X-ray analysis for ADITYA/ADITYA-U limiter plasma |
| Nov. 8th | P1-3F05 | Yatomi Go | The Graduate University for Advanced Studies | Nonlinear Interaction and Energy Transfer between Drift-Wave Turbulence and Zonal Flow |
| Nov. 8th | P1-3F06 | Dai Xiaoyue | The University of Tokyo | Characterization and controllability of hydrogen-pellet velocity and fuel deposition by a pneumatic pipe gun |

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| Nov. 8th | P1-3F07 | Suzuki Taiju | Graduate School of Engineering, The University of Tokyo | Active Control of Reconnection Downstream Condition for Enhancement of Electron Acceleration in the UTST device |
| Nov. 8th | P1-3F08 | Anzai Akiyoshi | Department of Nuclear Engineering, Kyoto University | Kinetic Transport Analysis with Finite-Orbit-Width Bounce-averaged Fokker-Planck Simulation Code TASK/FP |
| Nov. 8th | P1-3F09 | Matsuoka Seikichi | National Institute for Fusion Science | Global gyrokinetic simulations of linear ion temperature gradient mode in a stellarator plasma |
| Nov. 8th | P1-3F10 | Seto Takumi | Plasma Reserch Center, University of Tsukuba | Development of Steady State High-Density Helicon Plasma Source with 2-turn Flat Loop Antenna for DEMO Divertor Simulation Experiment |
| Nov. 8th | P1-3F11 | Nakajima Yutaro | Kyoto Institute of Technology | Conservation of Particle numbers, Hamiltonians, and Canonical angular momenta in Counter-differential rigid-rotation equilibria of Electrically non-neutral two-fluid plasmas |
| Nov. 8th | P1-3F12 | Satake Shinsue | National Institute for Fusion Science | Analysis on the core potential profile in the impurity-hole plasma in LHD |
| Nov. 8th | P1-3F13 | Shota Mochinaga | Kyushu University | Simulation of core plasma transport including impurity in improved confinement mode |
| Nov. 8th | P1-3F14 | Nishimura Daiki | Kyushu University | Estimation Method of 2D Velocity Field in Turbulent Plasma Using Tomography |
| Nov. 8th | P1-3F15 | Fukano Azusa | Tokyo Metropolitan College of Industrial Technology | Study of plasma with negative hydrogen ions in magnetic field increasing toward a wall |
| Nov. 8th | P1-3F16 | Wang Yunfei | Interdisciplinary Graduate School of Engineering Sciences, Kyushu University | Power balance investigation in long-pulse high-performance discharges in EAST tokamak |
| Nov. 8th | P1-3F17 | Matsuura Hiroto | Osaka Metropolitan University | Application of Two-dimensional Heat Conduction Model to Profile Estimation of Divertor Tile Heat Flux |
| Nov. 8th | P1-3F18 | Nakamura Hiroaki | National Institute for Fusion Science | MD analysis on hydrogen behavior in tungsten vacancy |
| Nov. 8th | P1-3F19 | Matsuzawa Takumi | University of Toyama | Numerical study of ion beam evolution by applying pulsed magnetic field to RF plasma |
| Nov. 8th | P1-3F20 | Cai Furui | Kyoto University | Multi-fold zoning of scrap-off layer in Heliotron J for divertor transport analysis |
| Nov. 8th | P1-4F01 | Tanaka Hirohiko | Nagoya University | Multivariate analysis of LHD divertor and core plasma distributions |

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| Nov. 8th | P1-4F02 | Nojiri Kunpei | National Institutes for Quantum Science and Technology | Assessment of neutral emissivity characteristics of ITER divertor plasmas and prospects for spectroscopic measurements of fuel/impurity influxes and ionization front using Divertor Impurity Monitor |
| Nov. 8th | P1-4F03 | Saito Seiki | Yamagata University | Development of Hydrogen Recycling Model for DEMO Reactor |
| Nov. 8th | P1-4F04 | Hamaji Yukinori | National Institute for Fusion Science | Development of a heated liquid metal flowing system for PSI research |
| Nov. 8th | P1-4F05 | Somboonkittichai Nopparit | Department of Physics, Faculty of Science, Kasetsart University | Numerical Study of Heat Transport in Static Liquid Metal Exposed to Plasma with Magnetic Field |
| Nov. 8th | P1-4F06 | Takahashi Satoshi | Plasma Research Center, University of Tsukuba | Comparison of Spatio-temporal Distribution of Emissions Related to N-MAR Based on High Speed Camera Observation in GAMMA 10/PDX Divertor Simulated Plasmas |
| Nov. 8th | P1-4F07 | Kanno Ryutaro | National Institute for Fusion Science | Probabilistic Approach to Heavy Impurity Transport in Three-Dimensional Edge Plasma |
| Nov. 8th | P1-4F08 | Lee Myoung-Jae | Hanyang University | Influence of plasma screening on the Shannon entropy for atomic states in a dense plasma |
| Nov. 8th | P1-4F09 | Matsumura Naoki | Graduate School of Advanced Science and Engineering, Hiroshima University | Effect of kilo-tesla magnetic field on ignition and burn dynamics in fast ignition laser fusion |
| Nov. 8th | P1-4F10 | Song Dingbao | Kyushu university | Isonuclear sequence of water window EUV spectra for highly charged bismuth ions |
| Nov. 8th | P1-4F11 | Simons Joseph John | The Graduate University for Advanced Studies | Quantitative Analysis of Doppler-free Spectra via the Collisional-Radiative Model |
| Nov. 8th | P1-4F12 | Matsuoka Yoshihiro | Nagoya University | Guiding effect of fast electron by extreme ultrahigh intensity leading laser in fast ignition laser fusion |
| Nov. 8th | P1-4F13 | Yagasaki Konan | Graduate School of Engineering, Nagoya University | Increasing the electron density for volumetric recombination in the linear ECR device NUMBER |
| Nov. 8th | P1-4F14 | Priti Priti | National Institute for Fusion Science | Spectral Analysis of Multiply Charged Tungsten ions in NIR Region |
| Nov. 8th | P1-4F15 | Kumeda Chihiro | Graduate School of Advanced Science and Engineering, Hiroshima University | Laser Parameter Dependence of Water-Window X-ray Emitted from Laser-Produced Au Plasma |

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| Nov. 8th | P1-4F16 | Takaoka Ryota | Department of Electronics, Kyoto Institute of Technology | All-in-one probe used for investigating canonical helicity in RELAX plasmas |
| Nov. 8th | P1-4F17 | Jin Hailin | The University of Tokyo | Development of a reflectometry for measuring magnetic shear inside tokamak plasma |
| Nov. 8th | P1-4F18 | Higuchi Shunya | Nagoya university | Design and development of Laser Thomson Scattering system in the linear ECR plasma experimental device NUMBER |
| Nov. 8th | P1-4F19 | Funaba Hisamichi | National Institute for Fusion Science | Real-time measurement of electron temperature and density profiles by Thomson scattering on LHD |
| Nov. 8th | P1-4F20 | Penado Montanez Keith Nealson | Graduate School of Science and Engineering, Doshisha University | Characterization of a Capacitively-Coupled Atmospheric Pressure Plasma Source for Ion Mobility Spectrometry |
| Nov. 8th | P1-5F01 | Shigematsu Naoki | Plasma Research Center, University of Tsukuba | Development of infrared imaging video bolometer system for radiation power measurement in the upstream of GAMMA 10/PDX divertor simulation plasma |
| Nov. 8th | P1-5F02 | Liu Bing | National Institute for Fusion Science and Dalian University of Technology | Footprint analysis of CFQS equilibrium fields by means of field line tracing and transport model |
| Nov. 8th | P1-5F03 | Kanno Hirofumi | Graduate School of Engineering, Kobe University | Heat quantity measurement for a simulation experiment of divertor thermal load reduction by direct energy conversion |
| Nov. 8th | P1-5F04 | Sugiyama Tsukasa | The Graduate University for Advanced Studies | Study of asymmetry of heat and particle loads on divertor tiles in LHD |
| Nov. 8th | P1-5F05 | Mukai Kiyofumi | National Institute for Fusion Science | Relation between toroidally asymmetric behavior of divertor heat load and radiation structure in impurity seeded plasmas on LHD |
| Nov. 8th | P1-5F06 | Ryosuke Hiraka | Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, | Deformation on GaInSn flow surface induced by magnetic field |
| Nov. 8th | P1-5F07 | Yu Hao | Tohoku University | Effect of Fe ion irradiation on the performance of alumina scale formed on FeCrAl ODS ferritic alloys |
| Nov. 8th | P1-5F08 | Yang Haotian | The Graduate University for Advanced Studies | Laser processing of advanced materials for fusion sciences |
| Nov. 8th | P1-5F09 | Kobayashi Makoto | National Institute for Fusion Science | Evaluation of vacancy accumulation for the prediction of tritium inventory in tungsten |

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| Nov. 8th | P1-5F10 | Ueda Sotaro | Graduate School of Engineering, Hokkaido University, Sapporo, Japan | Helium Irradiation Effects on Deuterium Permeation Behavior in Tungsten-Coated Ferritic Steel |
| Nov. 8th | P1-5F11 | Takada Suguru | National Institute for Fusion Science | Flow-metering Of Cryogenic Helium Gas Using By The Conventional Resistor Thermometers |
| Nov. 8th | P1-5F12 | Obana Tetsuhiro | National Institute for Fusion Science | Numerical analysis of hysteresis loss in stacked REBCO tapes for large current-carrying conductors |
| Nov. 8th | P1-5F13 | Kajitani Hideki | National Institutes for Quantum Science and Technology | Completion of all Winding Packs for ITER Toroidal Field coils in Japan |
| Nov. 8th | P1-5F14 | Hasegawa Shin | National Institutes for Quantum Science and Technology | A double check process for CCL positional plates in ITER TF coil integration |
| Nov. 8th | P1-5F15 | Shimamoto Tomoki | The Graduate University for Advanced Studies | Study on effect of segregated copper wires on the cryogenic stability of NbTi/Cu wires |
| Nov. 8th | P1-5F16 | Ishiyama Shintaro | Waseda University | Aerodynamic design of Bypass controlled supercritical CO2 gas turbine full scale model for 3GWth FFHR |
| Nov. 8th | P1-5F17 | Nakamura Kazuo | Research Institute for Applied Mechanics, Kyushu University | Quaternion Analysis of Transient Phenomena of Motor-Generator |
| Nov. 8th | P1-5F18 | Takeno Hiromasa | Kobe University | Efficiency Dependence on Deceleration Voltage in a Simulation Experiment of Traveling Wave Direct Energy Converter |
| Nov. 8th | P1-5F19 | Kunisada Takaaki | Kobe University | Analysis of deterioration of particle separation performance in a cusp-type direct energy converter simulator |
| Nov. 8th | P1-5F20 | Koga Mayuko | University of Hyogo | Development of Target Injection System by Using Electromagnetic Coil |

# Poster Session 2 on Nov. 9th 13:00 – 15:00(JST)

[P $\alpha$ - $\beta$ F $\gamma$ ]  $\alpha$ :Day,  $\beta$ : Floor number of Remo,  $\gamma$ : Poster number

**Nominee for Best Student Presentation Award

| Day | Poster number | Presenter | Affiliation | Title |
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| Nov. 9th | P2-1F01 | Dey Ritu | Institute for Plasma Research | Effect of convective transport on cross-field plasma particle and energy fluxes in edge/SOL plasmas of ADITYA-U tokamak |
| Nov. 9th | P2-1F02 | Okada Naonori | Tokai University | Characteristics of detachment plasma in ICR heating using the linear divertor simulator TPDsheet-U |
| Nov. 9th | P2-1F03 | Matoike Ryota | Kyoto Universiry | Counter-Streaming Flow Induced in the Scrape-Off Layer of Heliotron J |
| Nov. 9th | P2-1F04 | Miyauchi Reina | Plasma Research Center, University of Tsukuba | Observation of Hydrogen Emission Spectra in discharge region of Hot Cathode DC Arc Hydrogen Plasma Source |
| Nov. 9th | P2-1F05 | Catapang Barabona Allen Vincent | Doshisha University | Measurement of Ion Energy Distributions of Water Vapor Plasma in a DC and 13.56 MHz RF Reactive Magnetron Sputtering Plasma Source |
| Nov. 9th | P2-1F06 | Kitazawa Sin-iti | National Institutes for Quantum Science and Technology | Progress of Gamma ray irradiation experiments on ITER diagnostics in JADA |
| Nov. 9th | P2-1F07 | Ogawa Kunihiro | National Institute for Fusion Science | Large Volume and Fast Response Gamma-ray Diagnostic in the Large Helical Device |
| Nov. 9th | P2-1F08 | Yamada Ichihiro | National Institute for Fusion Science | Development of a nine-channel polychromator for experimental study of electron velocity distribution by Thomson scattering diagnostics |
| Nov. 9th | P2-1F09 | Haba Yasuaki | College of Industrial Technology, Nihon University | Development of a compact negative ion source toward further understanding of velocity distributions for single negative ion beam |
| Nov. 9th | P2-1F10 | Saito Toshiki | Institute for Materials Research, Tohoku University | Microstructural Study of Zr-Added ODS-Cu for DEMO Divertor Heat Sink |
| Nov. 9th | P2-1F11 | Shen Jingjie | National Institute for Fusion Science | Effects of Ti and Cr Concentrations on Microstructure and Mechanical Properties of High-Purity Vanadium Alloys |
| Nov. 9th | P2-1F12 | Tanaka Teruya | National Institute for Fusion Science | Applicability of Photoluminescence Measurement with 532 and 635 nm Lasers for Crystallinity Analysis of Er2O3 Electrical Insulator |

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| Nov. 9th | P2-1F13 | Muto Ryuhei | Tokyo Institute of Technology | α-Al2O3 layer formation on inner surface of APMT tube for reduction of MHD pressure drop in liquid blanket manifold system |
| Nov. 9th | P2-1F14 | Hayashi Shunsuke | Tokai university | Deuterium Plasma Exposure Experiments on Tungsten Thin Films Simulating Divertor Redeposited Layers |
| Nov. 9th | P2-1F15 | Nurut Marlis Agusutrisno | Kyushu University | Dependence of crystal structure and magnetic properties of ZnO:Co films on oxygen and nitrogen gas flow during deposition grown by RF Sputtering |
| Nov. 9th | P2-1F16 | Zhang Jiaqi | Osaka University | Characterization of Solid D-T Fuel for Fusion Reactor Using Refractive Index Distribution Analysis |
| Nov. 9th | P2-1F17 | Ijima Takahiro | Tohoku University | Feasibility Study on Liquid Divertor Using Molten Salt Free Surface Flow with Turbulent Promoters |
| Nov. 9th | P2-1F18 | Akata Naofumi | Hirosaki University | Tritium Concentration in Natural Spring Water Collected at Hirosaki, Japan |
| Nov. 9th | P2-1F19 | Chikaraishi Hirotaka | National Institute for Fusion Science | Long-term Operation of Dc Power System for LHD Superconducting Coil |
| Nov. 9th | P2-1F20 | Ebara Shinji | Tohoku University | Evaluation of Heat Transfer Characteristics of Multi-Elbow Cooling System under One-sided Heating for Fusion Divertor |
| Nov. 9th | P2-2F01 | Varela Rodriguez Jacobo | Universidad Carlos III de Madrid | Modeling of the PbLi flow for different operational regimes of the DCLL blanket module |
| Nov. 9th | P2-2F02 | canceled | | |
| Nov. 9th | P2-2F03 | Sato Motoyasu | Chubu University | A concept of ddμFusion - Solid Thorium fission Reactor for Safer and Cleaner Quantum Energy Generator |
| Nov. 9th | P2-2F04 | Santharam Kumar Ranjith | Institute for Plasma Research | Engineering analysis of the Prototype Center Stack structure for Spherical Tokamak |
| Nov. 9th | P2-2F05 | Tanaka Masahiro | National Institute for Fusion Science | Chromatographic analysis of atmospheric molecular hydrogen (H2) for understanding environmental molecular tritium (HT) |
| Nov. 9th | P2-2F06 | Imagawa Shinsaku | National Institute for Fusion Science | Residual magnetic field by superconducting magnets of the Large Helical Device |
| Nov. 9th | P2-2F07 | Hirano Naoki | National Institute for Fusion Science | Elemental Research on a Static Magnetic Refrigeration System for Cooling to Liquid Hydrogen Temperature |
| Nov. 9th | P2-2F08 | Nishimura Arata | National Institute for Fusion Science | Change in Supercritical Surface of Nb3Sn Wire by Neutron Irradiation |

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| Nov. 9th | P2-2F09 | Oguro Hidetoshi | Tokai University | Development of MgB2 superconducting wires with other superconductor additions |
| Nov. 9th | P2-2F10 | Kawagoe Akifumi | Kagoshima University | Investigation of inter-tape coupling losses in the YBCO stacked cables |
| Nov. 9th | P2-2F11 | Kawamura Gakushi | National Institute for Fusion Science | Transport modeling of plasma in a linear device with gas flow control |
| Nov. 9th | P2-2F12 | Isobe Yugo | The University of Tokyo | Data-drive study on occurrence condition of detached plasma in magnetic confinement |
| Nov. 9th | P2-2F13 | Kobayashi Masahiro | National Institute for Fusion Science | Thermal Instability of Toroidal Confinement Plasmas and its Control with Magnetic Perturbation Field Application |
| Nov. 9th | P2-2F14 | Oya Makoto | Kyushu University | Predictive calculation of fuel inventory in plasma-facing walls of JA DEMO reactor |
| Nov. 9th | P2-2F15 | Iijima Takaaki | National Institutes for Quantum Science and Technology | Design of Water-Cooled Glow Discharge Electrode in JT-60SA |
| Nov. 9th | P2-2F16 | Enomoto Shogo | Graduate School of Engineering, Nagoya University | Edge plasma transport modeling in JT-60SA focusing on toroidal field ripple and RMP coil parity difference |
| Nov. 9th | P2-2F17 | Faridafshin Mohammadjavad | Department of Quantum Science and Energy Engineering, Graduate School of Engineering, Tohoku University | The effect of the grain size of divertor's cooling pipe on the capability of high-frequency ultrasonic tests to evaluate the quality of the bond between divertor's cooling pipe and armor |
| Nov. 9th | P2-2F18 | Takanashi Kosuke | University of Tsukuba | Analysis of the contribution of magnetic moment conservation to ion energy transport in the GAMMA 10/PDX divergent field region |
| Nov. 9th | P2-3F01 | Nishiura Masaki | National Institute for Fusion Science | Mixed Features of Energetic Ion Population from Collective Scattering Spectra in the Large Helical Device |
| Nov. 9th | P2-3F02 | Paenthong Worathat | King Mongkut's University of Technology Thonburi | Particle Orbit Analysis toward the Neutral Beam Injection in Thailand Tokamak-1 |
| Nov. 9th | P2-3F03 | Sanpei Akio | Kyoto Institute of Technology | Role of the Edge Magnetic Field on Rotation of Visible Light Emitted from RELAX-RFP Plasmas |
| Nov. 9th | P2-3F04 | Okada Toshikazu | Kyoto Institute of Technology, Department of Electronics | Confinement times of superimposed lithium ion and electron plasmas with regard to the difference in their densities |
| Nov. 9th | P2-3F05 | Isobe Mitsutaka | National Institute for Fusion Science | Assessment for DD neutron and secondary Gamma-ray fields in CFQS quasi-axisymmetric stellarator toward deuterium operation |

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| Nov. 9th | P2-3F06 | Ohtani Hiroaki | National Institute for Fusion Science | Analysis of number density of intersection points of energetic tritons and plasma facing wall by virtual-reality system |
| Nov. 9th | P2-3F07 | Takayama Teruou | Yamagata University | Numerical Investigations on Superconducting Linear Acceleration System by Using Finite Element Method: Influence of Magnet Current on Pellet Velocity |
| Nov. 9th | P2-3F08 | Seki Rryosuke | National Institute for Fusion Science | Development of TASK3D/WM module with hot-plasma model for analyses of the ICRF wave in a non-axisymmetric torus. |
| Nov. 9th | P2-3F09 | Shiroto Takashi | National Institutes for Quantum Science and Technology | Locally divergence-free discontinuous Galerkin method in generalized curvilinear coordinates |
| Nov. 9th | P2-3F10 | Ichiguchi Katsuji | National Institute for Fusion Science | Numerical analysis of nonlinear transition of pressure driven modes in heliotron plasmas |
| Nov. 9th | P2-3F11 | Wang Yan | Kobe University | In Situ Visualization Inspired By Ant Colony Formation |
| Nov. 9th | P2-3F12 | Ito Shoto | Tokyo Institute of Technology | Numerical Calculation of Amplification on Nitrogen Balmer-α with Unresolved Satellite Lines |
| Nov. 9th | P2-3F13 | Okamoto Takuma | Plasma Research Center, University of Tsukuba | Influence of N-MAR on Ion Flux Reduction during N2 and H2 Seeding in Hydrogen plasma |
| Nov. 9th | P2-3F14 | Kato Daiji | National Institute for Fusion Science | Spectroscopic measurements of pellet ablation cloud of lanthanide for laboratory assessment of atomic data relevant to Kilonovae |
| Nov. 9th | P2-3F15 | Gupta Shivam | National Institute for Fusion Science | Spectroscopic Studies of Highly Charged Kr Ions Through Collisional Radiative Model |
| Nov. 9th | P2-3F16 | Murakami Izumi | National Institute for Fusion Science | Evaluation of extreme ultraviolet spectra of W22+ - W25+ ions with LHD |
| Nov. 9th | P2-3F17 | Asai Fumiya | Nagoya University | Development of quasioptical beam tracing code with relaxed scale constraint |
| Nov. 9th | P2-3F18 | Kad Proxy | Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India | Dynamics of Hermite-Gaussian Laser beam in plasma and its effect on Teraherz generation |
| Nov. 9th | P2-3F19 | Goka Taiga | Tokai university | Characteristics of extracted current density for the Cs-free negative ion source using TPDsheet-U |
| Nov. 9th | P2-3F20 | Ohshiro Yuken | The University of Tokyo | Measurement of L-shell emission from iron-group elements for high resolution X-ray spectroscopy in future astronomy |

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| Nov. 9th | P2-4F01 | Usami Shunsuke | National Institute for Fusion Science | Investigation of Ion Heating Mechanism during the Plasma Merging in a Spherical Tokamak |
| Nov. 9th | P2-4F02 | Hasegawa Hiroki | National Institute for Fusion Science, National Institutes of Natural Sciences | Three-Dimensional Particle-in-Cell Simulations for Study of Filamentary Plasma Structure Formations |
| Nov. 9th | P2-4F03 | Yoshimura Yasuo | National Institute for Fusion Science | Comparative Study for Optimum ECH/ECCD System of the Quasi-Axisymmetric Stellarator CFQS |
| Nov. 9th | P2-4F04 | Mishra Shankar Jyoti | Institute for Plasma Research | Development of a fast solenoid valve assisted mechanical launcher for cryogenic pellets |
| Nov. 9th | P2-4F05 | Tahara Kosuke | Department of Nuclear Engineering, Kyoto University | Influence of the Beam-beam Collisions on the Energetic Particle Distribution in Large Helical Device |
| Nov. 9th | P2-4F06 | Kobayashi Daichi | Nihon University | Visible Light Imaging of Super-Alfvénic/Sonic Collisional Merging Process of Field-Reversed Configurations with Contrast-Medium Mixing Plasmoid |
| Nov. 9th | P2-4F07 | Seki Taichi | Nihon University | Increased Relative Velocity due to Enhanced Magnetic Pressure Gradient for the Collision Experiment of High-Beta Plasmoids |
| Nov. 9th | P2-4F08 | Moritaka Toseo | National Institute for Fusion Science | Electrostatic field calculation in the edge region of a helical fusion device using the gyrokinetic model |
| Nov. 9th | P2-4F09 | Shimizu Akihiro | National Institute for Fusion Science | Recent progress of physics/engineering design and construction of quasi-axisymmetric stellarator CFQS |
| Nov. 9th | P2-4F10 | Xiong Guozhen | Southwest Jiaotong University | Effects of discreteness and misalignment of modular coils on the magnetic field and particle confinement in Chinese First Quasi-axisymmetric Stellarator (CFQS) |
| Nov. 9th | P2-4F11 | Yamashita Yushiro | Kyoto University | Integrated Simulation Code for Predicting Disruption Process with Non-axisymmetric Eddy Currents |
| Nov. 9th | P2-4F12 | Inoue Takeru | Kyoto Institute of Technology | Initial results of tokamak plasmas formed in RELAX |
| Nov. 9th | P2-4F13 | Jajima Yuki | College of Industrial Technology, Nihon University | Estimation of 2D distribution evolution of electrostatic potential fluctuations using deep learning |
| Nov. 9th | P2-4F14 | Fujii Kotaro | Nagoya University | Time delay of zonal flow in functional relations among turbulence, zonal flow, and transport coefficient of gyrokinetic simulations |
| Nov. 9th | P2-4F15 | Toida Mieko | National Institute Fusion Science | Dependence of energetic ion mass on nonlinear development of lower-hybrid wave instabilities |

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| Nov. 9th | P2-4F16 | Fujita Keiji | National Institute for Fusion Science | How to evaluate neoclassical transport coefficients by a single $\delta f$ simulation |
| Nov. 9th | P2-4F17 | Radžiūtė Laima | Institute of Theoretical Physics and Astronomy, Vilnius University | Investigation on ions of Ge-kike iso-electronic sequence |
| Nov. 9th | P2-4F18 | Kojima Tomihiko | NTT Space Environment and Energy Laboratories | Numerical Analysis of Plasma Detachment in a Magnetic Thrust Chamber for Laser Fusion Rocket using Fully Particle-in-cell Simulation |
| Nov. 9th | P2-4F19 | Kobayashi Taiki | Interdisciplinary Graduate School of Engineering Science, Kyushu University | Investigation of solitary oscillation using tomography in cylindrical plasma |
| Nov. 9th | P2-4F20 | Kotani Tsubasa | Graduate school of Science, Kyoto university | Simulation study of harmonic lower hybrid waves due to energetic-ion driven instabilities |
| Nov. 9th | P2-5F01 | Emoto Masahiko | National Institute for Fusion Science | Open Data Server for the LHD Experiment Data to Support Fusion Cloud |
| Nov. 9th | P2-5F02 | Feng Chao | Graduate School of Energy Science, Kyoto University | Evaluation of the spatial emission reconstruction based on EUV spectroscopy for asymmetrical magnetic flux surface in Heliotron J |
| Nov. 9th | P2-5F03 | Jang Sejung | Tokyo Institute of Technology | Prediction of Plasma Vertical displacement by Using LSTM Recurrent Neural Network |
| Nov. 9th | P2-5F04 | Zhang Pengfei | Kyoto university | Properties and characterization of retroreflector array for multi-channel 320GHz interferometer system in Heliotron J |
| Nov. 9th | P2-5F05 | Keren Lin | Tokyo Institute of Technology | Improvements on Line Intensity Analysis of Neutral Helium by Incorporating the Reabsorption Processes in the Helium Collisional-Radiative Model |
| Nov. 9th | P2-5F06 | canceled | | |
| Nov. 9th | P2-5F07 | Furukawa Takeru | Kobe University | Investigation of ion acceleration in electrodeless plasma thruster using rotating magnetic field acceleration method |
| Nov. 9th | P2-5F08 | Nikaido Fuka | Osaka university | Measurement of laser-driven ion with fluorescent nuclear track detectors using machine learning and application for the reconstruction of electric and magnetic fields |
| Nov. 9th | P2-5F09 | Hirama Keisuke | Nihon University | Development of Tomography Camera System with Doublet Lens Unit for Super-sonic Collisional Merging Formation of FRC |

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| Nov. 9th | P2-5F10 | Ejiri Akira | The University of Tokyo | Design Study of a Multi-Chord Line Integrated Thomson Scattering System for TST-2 Spherical Tokamak Device |
| Nov. 9th | P2-5F11 | Akitsu Tetsuya | University of Yamanashi | Study on the Drift-Alfven Turbulence in a Collisional Current-Carrying Finite-β Plasma |
| Nov. 9th | P2-5F12 | Nakayama Tomonari | The Graduate University for Advanced Studies | Simplified transport modeling with turbulence and zonal–flow effects using gradient-based optimization techniques |
| Nov. 9th | P2-5F13 | Baigetsu Ryosuke | Department of Nuclear Engineering | J×B Torque Generation by Perpendicular NBI and ICRF Heating and its Effect on Toroidal Flow in LHD |
| Nov. 9th | P2-5F14 | Watanabe Tomo-Hiko | Nagoya University, Kyoto University | Roles of effective diffusion of ETG turbulence in ITG/TEM instabilities |
| Nov. 9th | P2-5F15 | Kasahara Hiroshi | National Institute for Fusion Science | Measurement of minority ion concentration in the ICRF resonance and hybrid layer using fast wave heating in the Large Helical Device |
| Nov. 9th | P2-5F16 | Vanthieghem Arno | Princeton University - NINS | Electron heating in unmagnetized shock waves |
| Nov. 9th | P2-5F17 | Sakai Hikona | Kyushu University | Initial result of interaction between fast ion and turbulence in LHD |
| Nov. 9th | P2-5F18 | canceled | | |
| Nov. 9th | P2-5F19 | Murakami Sadayoshi | Kyoto University | Effects of magnetic and electrostatic fluctuations on ECH supra-thermal electron behavior and toroidal torques in tokamak plasma |
| Nov. 9th | P2-5F20 | Kawate Tomoko | National Institute for Fusion Science | Spectroscopic Diagnostics of Weakly Ionized Plasmas in Anisotropic Fields |