

Type	ID	Presenter	Title	Award
Invited	16Aa1	Nespoli Federico	Access to an Improved Confinement Regime with Reduced Turbulence by Boron Powder Injection in LHD	
Invited	16Aa2	Nagasaki Kazunobu	Physics Study Using 3-D Magnetic Configuration Flexibility in Heliotron J	
Oral	16Aa3	Kinoshita Toshiaki	Observation of turbulence transition in LHD	Award
Oral	16Aa4	Iwata Akihiro	Applicability Evaluation of Laser Blow-off Spectroscopy System in Heliotron J	Award
Oral	16Aa5	Saito Kenji	Upgrade of ICRF antennas by utilizing impedance transformers in LHD	
Oral	16Aa6	Kovtun Yurii	ICRF plasma production with the W7-X like antenna in the Uragan-2M stellarator	
Invited	16Ae1	Hirsch Walter Matthias	Core Diagnostics for W7-X Steady-State Operation until 18 GJ	
Invited	16Ae2	Estrada Teresa	Radial Electric Fields, Turbulence and Transport Studies in W7-X and TJ-II	
Invited	16Ae3	Mazzi Samuele	Suppression of turbulent transport induced by MeV-range ions at JET	Award
Oral	16Ae4	Matsuura Hideaki	Indirect Energy Transport Channel between Fast Ions Due to Nuclear Elastic Scattering Observed in the Large Helical Device	
Oral	16Ae5	Igami Hiroe	Electron Bernstein wave Emission Measurement in Ka-band for high Q discharges in LHD	
Invited	16Ba1	Haikim Ammar	Development of and Results From Nonlinear Full-F Electromagnetic Gyrokinetic Continuum Simulations of Tokamak Scrape-off layer Turbulence	
Invited	16Ba2	Dominski Julien	Speeding-up the gyrokinetic whole device modeling of fusion plasma with core-edge coupling schemes	
Oral	16Ba3	Trivedi Pallavi	STUDY OF THE WEIGHT EVOLUTION EQUATION OF DELTA-F AND TOTAL-F GYROKINETIC MODELS IN VIEW OF THEIR CORE-EDGE COUPLING	
Oral	16Ba4	Fujii Kotaro	Relation among turbulent fluctuations, zonal flows, and transport coefficients in time series data of gyrokinetic simulations	Award
Oral	16Ba5	Sugama Hideo	Polarization and magnetization in electromagnetic gyrokinetic turbulence	
Oral	16Ba6	Masui Hideaki	Saturation mechanism of drift-wave turbulence in finite-beta plasmas	Award
Invited	16Be1	Hoshino Kazuo	Integrated Plasma Simulation in Scrape-Off Layer and Divertor	
Invited	16Be2	Coelho João António	Global Simulations of Plasma Turbulence in Diverted Stellarators	
Oral	16Be3	ICHIGUCHI Katsuji	Numerical Study of Interaction between Interchange Mode and Global Flow	
Oral	16Be4	Enomoto Shogo	JT-60SA edge plasma modeling under several resonant magnetic perturbation conditions	Award
Oral	16Be5	Meireni Muta	Characterization of Tokamak Edge Plasmas Using Stark Broadening Analysis of Hydrogen Lines	
Invited	16Ca1	Kondo Masatoshi	Technological evolution on corrosion resistant materials for liquid Sn divertor of fusion reactors	
Invited	16Ca2	Ueda Yoshio	Development of Japanese DEMO	
Oral	16Ca3	GARG AKASH	Effects of Transmutations in Material Damage for Plasma Facing Materials in Fusion Systems	Award
Oral	16Ca4	Kitamura Yoshiki	Corrosion characteristics of additive-manufactured FeCrNiAl alloy in liquid metals PbBi, LiPb and Sn	Award
Oral	16Ca5	Kaneko Arata	Characteristics of Surface Morphology and Deuterium Retention for Tungsten After Detached Plasma Exposure	Award
Oral	16Ca6	Oya Makoto	Effective Decomposition of Water Vapor in RF plasma with Carbon Deposition	
Invited	16Ce1	Choi Changho	ITER tokamak assembly plan and progress	
Invited	16Ce2	Liao Min	Construction and qualification of ITER superconducting magnets	
Invited	16Ce3	Bykovskiy Nikolay	HTS Fusion Conductor From Aligned Stacks Transposed In Roebel Arrangement (ASTRA)	
Oral	16Ce4	Imagawa Shinsaku	Simulation of Decay of Shielding Currents in ITER-TF Joint Samples	
Oral	16Ce5	Verma Kumar Aditya	Conceptual Design and Analysis of Prototype Center Stack for Spherical Tokamak based Technologies development	
Invited	16Da1	Shoda Munehito	Direct numerical simulation of the solar wind and its application to stellar wind	
Invited	16Da2	Zhong Jayong	Modeling Solar spicules and Kelvin Helmholtz Instability with intense lasers	
Invited	16Da3	Kawashima Tomohisa	General relativistic radiative transfer in accretion flows and jets: Probing black hole spacetime and plasma dynamics	
Invited	16Da4	Hoshino Masahiro	Nonlinear Explosive Collisionless Magnetic Reconnection	
Invited	16De1	Cameron Robert	The Physical Basis for Solar Cycle Prediction	
Invited	16De2	Hennebelle o Patrick	The magnetically regulated formation of planet-forming disks	
Invited	16De3	Li Ji Gu	Modeling and interpreting the cosmic plasmas with high resolution X-ray spectroscopy	Award
Invited	16De4	Kawazura Yohei	Ion versus electron heating in collisionless accretion flows	
Oral	16Ea1	Ohguri Takaki	Experimental study for the interactions between turbulence, mean shear flow and interface in electroconvection	
Oral	16Ea2	Saitoh Haruhiko	Chaos of Charged Particle Orbit in a Compact Levitated Dipole Experiment	
Oral	16Ea3	Kotani Tsubasa	Simulation Study of Energetic-ion Injection Effects on Magnetosonic and Lower-hybrid Wave Instabilities	Award
Oral	16Ea4	Horiuchi Ritoku	Formation of A Hollow Magnetic Pressure Profile by Merging of Two Spherical-Tokamak-Type Plasmoids	
Oral	16Ea5	OHIRO HIKARI	Construction of a magnetic bottle electron spectrometer for electron energy measurement in BISER X-ray and Xe interaction	Award
Oral	16Ea6	Kad Proxy	COLLECTIVE EFFECT OF SPATIO-TEMPORAL VARIATION OF LASER PULSE ON ELECTRON ACCELERATION IN RELATIVISTIC MAGNETOPLASMA	Award
Oral	16Ea7	HASEGAWA Hiroki	3D-PIC simulation for a filamentary plasma structure ended by tilted plates	
Oral	16Ea8	Kohno Haruhiko	Numerical Analysis of the Time-Dependent Radio-Frequency Sheath Behavior Using a Two-Dimensional Microscale Model	
Invited	16Ee1	Murakami Sadayoshi	Simulation Study of Plasma Control Applying Data Assimilation System for LHD	
Invited	16Ee2	Lee Hae June	The GPU-Based High-Performance Plasma Simulations for Electrostatic and Electromagnetic Applications	
Invited	16Ee3	Sasaki Makoto	Studies on spatio-temporal dynamics of turbulence by using data-driven approaches	
Invited	16Ee4	Kenmochi Naoki	Application of Generative Adversarial Networks for Plasma Diagnostics and Heating Control System	
Invited	16Pa1	Amano Takanobu	Connecting Injection and Subsequent Acceleration of Nonthermal Electrons at Collisionless Oblique Shocks	
Invited	16Pa2	Han Hyunsun	Robust Internal Transport Barrier Experiments in KSTAR	
Invited	16Pe1	Klinger Thomas	The optimized stellarator Wendelstein 7-X ready for the next operation campaigns	
Invited	16Pe2	Hotta Hideyuki	Numerical simulations of solar convection and magnetic field	
Invited	16Pm1	Mima Kunioki	Memorial Talk for Professor Kyoji Nishikawa	
Invited	16Pm2	Helander Per	Stellarators: what next?	
Invited	16Pm3	Todo Yasushi	International Collaboration in Astro-Fusion Plasma Physics Promoted by National Institutes of Natural Sciences	
Invited	16Pm4	Yoshida Zensho	Towards a new era of fusion science	
Invited	17Aa1	Ida Katsumi	Bipolar velocity-space signature of ion Landau damping	
Invited	17Aa2	Kosuga Yusuke	A Theoretical Model for Phase Space Turbulence: Formation and Dynamics of Phase Space Structures in Drift Wave Turbulence	
Invited	17Aa3	Katoh Yuto	Direct measurement of the energy exchange and the phase-space deformation through wave-particle interactions in the magnetosphere	
Invited	17Aa4	Asahi Yuuichi	Phase-Space Pattern Extraction from 5D gyrokinetic simulation data	
Invited	17Ae1	Wang Tianbo	Tungsten impurity 2D-distribution real-time monitoring method on HL-2A	
Invited	17Ae2	Brezinsek Sebastijan	Challenges in the plasma operation of fusion devices with metallic plasma-facing components	
Invited	17Ae3	Éléonore Geulin	Pellet core fueling in tokamaks, stellarators and reversed field pinches	
Oral	17Ae4	SAKAI TAKAHISA	Effect of helium pre-exposure on deuterium retention of tungsten in a compact plasma device APSEDAS	Award
Oral	17Ae5	Yatomi Go	HXR Measurement of the Scrape Off Layer Using a Target Plate in TST-2	Award
Invited	17Am1	Romero A Jesus	Plasma Control and Inference of Field-Reversed Configuration in C-2W	
Oral	17Am2	Seki Taichi	Improvement of Plasmoid Acceleration Performance by Increased Magnetic Pressure Gradient for High Mach Number Shock Generation	Award
Oral	17Am3	Kobayashi Daichi	Effect of initial-plasmoid density reduction on collisional merging process of field-reversed configurations	
Oral	17Am4	Someya Hiroki	Effect of collision modes in the collisional merging process of FRC plasma	Award
Oral	17Am5	Harashima Daisuke	Effects of collision velocity and mirror ratio on collision/merging processes of FRCs	Award
Oral	17Am6	Isobe Mitsutaka	Recent Progress of Neutron Spectrometer Development for LHD Deuterium Plasmas	

Type	ID	Presenter	Title	Award
Oral	17Am7	OGAWA Kunihiro	Feasibility Study of Deuterium-deuterium Fusion Profile Diagnostics Using Fusion Born 3 MeV Proton for CFQS	
Invited	17Ba1	Maeyama Shinya	Gyrokinetic Simulations of Cross-Scale Interactions between Electron Temperature Gradient and Trapped Electron Modes on the Supercomputer Fugaku	
Invited	17Ba2	Xiao Yong	Gyrokinetic Simulations of Isotope Effect on Turbulent Transport	
Invited	17Ba3	Montaka Toseo	Isotope effects on ion temperature gradient mode with radial electric field in Large Helical Device	
Oral	17Ba4	Le Thi Quynh Trang	Numerical Study of Spontaneous Potential Formation for Scrape-off-layer Plasma.	Award
Oral	17Ba5	Ohtani Hiroaki	Virtual-reality visualization of collision points of energetic tritons and plasma facing wall in LHD	
Invited	17Be1	Zaroso David	Transport and losses of energetic particle in fusion plasmas	
Invited	17Be2	Ishizawa Akihiro	Multi-Scale Interaction between Toroidal Alfvén Eigenmode and Drift-Wave Turbulence	
Oral	17Be3	Idouakass Malik	Precession Drift Reversal and Strong Energetic Particle Redistribution due to an Energetic Particle Driven Instability in the Large Helical Device	
Oral	17Be4	Wang Jialei	Implementation of ion cyclotron resonance frequency heating in a kinetic-MHD hybrid code: MEGA	
Oral	17Be5	Sadakata Tsubasa	A Novel Approach by Clustering Technique for Analysis of Phase Space Distribution Function in Plasma Turbulence Simulations	Award
Oral	17Be6	Yokoyama Tatsuya	Data-driven control for radiative collapse avoidance in Large Helical Device	Award
Invited	17Bm1	Bhattacharjee Amitava	Hidden Symmetries and Fusion Energy	
Invited	17Bm2	Paul Elizabeth	Adjoint methods for stellarator shape optimization and sensitivity analysis	
Invited	17Bm3	Yamaguchi Hiroyuki	Optimization of helical configuration using the OPTHECS code	
Oral	17Bm4	Nies Richard	Adjoint Methods for Quasisymmetry of Stellarator Vacuum Fields on a Surface	Award
Oral	17Bm5	Satake Shinsuke	Optimization study on Heliotron-type stellarator device	
Invited	17Ca1	SOMEYA Youji	Progress of conceptual design and key engineering issues on JA DEMO	
Invited	17Ca2	Miyazawa Junichi	Recent Progress on the Helical Fusion Reactor Design	
Invited	17Ca3		Presentation scheduled at this slot was changed	
Oral	17Ca4	Goto Takuya	Expansion of the Plasma Operation Regime of the LHD-type Helical Fusion Reactor by the Optimization of the Helical Coil Winding Law	
Oral	17Ca5	Nishimura Arata	Conceptual design of plasma vacuum vessel leg for fusion DEMO considering integration of core components	
Oral	17Ce1	Kako Mizuki	Probe design for the eddy current inspection of cooling tubes in the blanket of a prototype fusion reactor	Award
Oral	17Ce2	Kawarai Atsushi	Self-healing behavior of oxide-layer in liquid metal	Award
Oral	17Ce3	Nishio Ryunosuke	Experimental study on liquid metal level monitoring by change of cover gas pressure	Award
Oral	17Ce4	Masaki Haruya	The effect of temperature on fretting corrosion behaviors between Li2TiO3 pebbles and F82H	Award
Oral	17Ce5	Saraswat Abhishek	Experimental Investigations on Electrical-Insulation Performance of Al2O3 Coatings for High-Temperature Lead-Lithium Liquid-Metal Applications	
Oral	17Ce6	Yu Hao	Development of Al-added high Mn ODS austenitic steels	
Oral	17Ce7	Miyakawa Yukihiko	Alloying corrosion kinetics of Reduced-activation ferritic (JLF-1) in Liquid metal tin (Sn) for liquid divertor concepts	Award
Oral	17Ce8	Ishiyama Shintaro	Up-grade Bypass controlled supercritical CO2 gas turbine for 0.5MWth FFHR series fusion reactors	
Invited	17Cm1	Hartwig Seth Zachary	The SPARC Toroidal Field Model Coil	
Invited	17Cm2	Chen Zhenmao	Influence of Strong Magnetic Field on the Dynamic and Fracture Behaviors of In-Vessel Components	
Oral	17Cm3	Xiao Guanyu	MANUFACTURING AND TESTING OF A YBCO INSERT COIL OPERATION AT CURRENT BEYOND 6 kA AT FIELD UP TO 20 T AND 4.2 K	Award
Oral	17Cm4	Yamaguchi Takazumi	Analysis of Electromagnetic Field by Using Edge-based Finite Element Method: Application to High-Temperature Superconducting Tape	Award
Oral	17Cm5	NARUSHIMA Yoshiro	Test of 10kA class HTS WISE conductor in high magnetic field facility	
Oral	17Cm6	Yanagi Nagato	Progress of HTS STARS Conductor Development for the Next-Generation Helical Fusion Experimental Device	
Invited	17De1	Maiko Sophia	Low velocity proton stopping power measurements in Warm Dense Matter	
Invited	17De2	Ehret Michael	Compact Laser-driven Wire-loops as Ion Beam Shaping and Guiding Elements	
Invited	17De3	Cai Hongbo	Study of the kinetic effects in indirect-drive inertial confinement fusion hohlraums	
Invited	17De4	Jin Zhan	Recent Progress in SPring-8 Laser-wakefield Acceleration Platform	
Invited	17Dm1	Rast Peter Mark	Stellar convective turbulence: Small scale influences on large scale behavior	
Invited	17Dm2	Leutenegger Maurice	Atomic physics experiments enabling x-ray spectroscopic diagnostics for astrophysics	
Invited	17Dm3	Zhang Zhe	Supersonic collision of high-density plasma jets from conical implosions	
Invited	17Dm4	Pucci Fulvia	Plasma physics in the IRCC-AFP collaboration: magnetic reconnection and stellar accretion disks	
Invited	17Ea1	Ito Tomoko	Mechanisms of Atomic Layer Etching by Metal-Organic Complex Formation	
Invited	17Ea2	Saito Seiki	Molecular Dynamics Simulation for Hydrogen Recycling on Plasma Facing Materials	
Invited	17Ea3	Atsushi M. Ito	Gapped Scale Simulation Approach for Plasma-Material Interaction	
Invited	17Ea1	Tsankov Vaskov Tsanko	Investigation of high-frequency low-pressure discharges for metallic mirror cleaning in fusion experiments	
Invited	17Ee2	Despiau-Pujo Emilie	Low-temperature helium and hydrogen plasmas interaction with materials for etch applications: A molecular dynamics study	
Oral	17Ee3	Kawashima Tomohiro	Assessment of insulation property of slush nitrogen under high electric field	
Oral	17Ee4	Jaber Y Abdullah	Nitridation And Chlorine Removal Effects Of Nitrogen Ion Irradiation During Plasma-Enhanced Atomic Layer Deposition (PE-ALD) Of Silicon Nitride	Award
Oral	17Ee5	Catapang Barabona Allen Vincent	Surface Condition of Zn Target in a DC Reactive Magnetron Sputtering Plasma Source Using Water Vapor Plasma	Award
Oral	17Ee6	Sakai Hayato	Silicon Carbide Films Prepared by Unbalanced Magnetron Sputtering with SiC Target	
Invited	17Em1	Sawada Keiji	Development of Rovibrationally Resolved Collisional-Radiative Model and Neutral Transport Code of Molecular Hydrogen	
Oral	17Em2	Okamoto Atsushi	Effect of velocity distribution anisotropy in collisional radiative model	
Oral	17Em3	Yadava Nandini	Vibrational Temperature Estimation of Nitrogen Molecules in Radio-Frequency (RF) Produced Plasma	Award
Oral	17Em4	Takahashi Hiroyuki	Observation of Electron Temperature Rise in Divertor Relevant Recombining Plasma along Magnetic Field Line	
Oral	17Em5	Hernandez II Aquino James Edward	Influence of Target Cavity Formation on the Emission Spectra of Nanosecond Laser Ablation Plasmas	Award
Oral	17Em6		Withdrawn	
Oral	17Em7	GUO XINYUE	Isotope effects in detached helium plasma with hydrogen and deuterium gas puffing	Award
Invited	17Pa1	Parra I Felix	Finite Gyro-Radius and Mean-Free-Path Layers on Tokamak Walls	
Invited	17Pa2	Huang Juan	Progress of physics understanding for long pulse high-performance plasmas on EAST towards steady-state operation of ITER and CFETR	
Invited	17Pe1	CASNER Alexis	Recent advances in turbulent High Energy Density laser-plasma experiments	
Invited	17Pe2	Sentoku Yasuhiko	Pathway to high gain laser fusion with fast ignition scheme	
Invited	17Pm1	Landreman Matt	Innovations in Stellarator Optimization for Quasisymmetry	
Invited	17Pm2	Kotschenreuther T Mike	Regimes of Weak ITG/TEM for Strong Transport Barriers without Velocity Shear	
Invited	18Aa1	Tsujimura Toru	Electron heat transport study during off-axis electron cyclotron heating	
Invited	18Aa2	Kobayashi Tatsuya	Dependence of electron ITB threshold condition on isotope mass	
Oral	18Aa3	Nakano Haruhisa	Transport and Profile Responses due to Off-axis ECRH on High Ion Temperature Discharge in Large Helical Device	
Oral	18Aa4	Nishimoto Shu	Experimental Study on Turbulent Transport and its Dependence on 3-Dimensional Magnetic Field Configuration Effect in LHD	Award
Oral	18Aa5	Patel Sharvil	Ion Cyclotron Emission from Ohmic Heated Plasma of the ADITYA-U Tokamak	Award
Oral	18Aa6	Chowdhuri Bikas Malay	IMPURITY BEHAVIOR IN HIGH DENSITY ADITYA TOKAMAK PLASMAS	
Invited	18Ae1	Jakubowski Marcin	Divertor heat load control by impurity seeding in Wendelstein 7-X	
Invited	18Ae2	Gradic Dorothea	Inter-machine spectroscopic study of SOL flows in ASDEX Upgrade and Wendelstein 7-X	
Invited	18Ae3	Wang Liang	Divertor heat load control with plasma detachment in EAST	
Oral	18Ae4	Shoji Mamoru	Simulation of the carbon deposition profile on directional material probes in the Large Helical Device using the ERO2.0 code	

Type	ID	Presenter	Title	Award
Oral	18Ae5	Matsuura Hiroto	CONSTRUCTION OF 2D TEMPERATURE RESPONSE FUNCTION FOR DIVERTOR TILE HEAT LOAD ESTIMATION	
Invited	18Am1	Geiger Benedikt	Capabilities and Future Directions of the HSX Stellarator Experiment	
Invited	18Am2	Hegna Chris	Realizing the advances in plasma theory via a new quasi-symmetric stellarator experiment	
Invited	18Am3	Faber Benjamin	Turbulence saturation and optimization in quasi-symmetric stellarator geometries	
Invited	18Am4	Tanaka Kenji	Investigations of Magnetic Configuration Effects on Turbulence Driven Transport from LHD and W7-X Comparison Experiments	
Invited	18Ba1	Feng Zhichen	Proposal of a Linked Mirror Configuration for Magnetic Confinement Experiments	
Oral	18Ba2	Nishimura Yasutaro	Ion orbital loss in diverted negative triangularity tokamaks	
Oral	18Ba3	Bai Xue	Modification of Favorable Average Curvature Effect by Changing Parallel Sound Wave Behavior in Tokamak Plasmas	
Oral	18Ba4	Masamoto Yusai	Comparison of MHD stability between positive- and negative-triangularity tokamak plasmas with internal transport barriers	Award
Oral	18Ba5	Xu Shaokang	Anomalous tungsten transport driven by ion temperature gradient turbulence	
Oral	18Ba6	Aich Suman	Sensing the Change in Size of a Circular Tokamak Plasma Using a Single Magnetic Probe: a Theoretical Approach	
Oral	18Ba7	Okumura Kaito	Extension of Particle Balance Model Including Plasma Wall Interaction for Long-Term Operation of Fusion Reactor	Award
Invited	18Be1	Loizu Joaquim	Nonlinear saturation of tearing modes without resolving the dynamics	
Invited	18Be2	Slaby Christoph	Linear and nonlinear simulations of pre-current-crash events in Wendelstein 7-X using a variety of models	
Oral	18Be3	Yamashita Yushiro	Numerical Simulations of Non-axisymmetric Current Quench in Tokamaks	Award
Oral	18Be4	Naito Shin	Numerical analysis of the stabilizing effect of local coils on the vertical instability in tokamak	Award
Oral	18Be5		Withdrawn	
Invited	18Bm1	Zheng Linjin	Perpendicular magnetofluid theory for magnetically confined plasma physics	
Invited	18Bm2	Morrison Philip	Equilibrium States via Simulated Annealing	
Invited	18Bm3	Gates A David	Stellarator Simplification using Permanent Magnets	
Invited	18Bm4	Xu Guosheng	Development Of Advanced Stellarator With Standardized Permanent Magnet Blocks	
Invited	18Ca1	Ito Satoshi	Current status of technical development for segment-fabrication of high-temperature superconducting fusion magnet	
Invited	18Ca2	Qin Jinggang	The Recent process of HTS coil research for Fusion Reactor at ASIPP	
Oral	18Ca3	Garfias Dávalos Diego Armando	Simulation of Non-Uniform Current Distribution in Stacked HTS Tapes	Award
Oral	18Ca4	Saitoh Ayumu	Performance Improvement of Symmetric Linear System Solver in Shielding Current Analysis of HTS Thin Film: Application of H-Matrix-Based Preconditioner	
Oral	18Ca5	Yoshihashi Sachiko	Evaluation of induced radioactivity generated in the LHD deuterium plasma experiments	
Oral	18Ca6	Kobayashi Inami Makoto	Thermal Neutron Measurement Capability of Single Crystal CVD Diamond Detector near the Reactor Core Region of UTR – KINKI	
Invited	18Ce1	DARBOS Caroline	Status Of The Heating & Current Drive Systems For ITER	
Invited	18Ce2	Kocan Martin	ITER Diagnostics Integration Challenges in the Nuclear Environment	
Invited	18Ce3	Jelonnek John	Research on Gyrotron Components and Control for Advanced EC Heating, Plasma Control and Diagnostics	
Oral	18Ce4	Nakamura Kazuo	Quatemion Analysis of Transient Phenomena in Matrix Converter Based on Space-Vector Modulation	
Invited	18Cm1	Koyanagi Takaaki	Damage processes in fusion structural ceramics under neutron and ion irradiation	
Oral	18Cm2	SHEN WANQI	The Enhancement of Fuzz Formation Caused by He-W Co-deposition	Award
Oral	18Cm3	Yoneta Koume	Crack formation inside plasma-facing materials irradiated by pulsed laser to simulate heat load in inertial confinement fusion system	Award
Oral	18Cm4	Tamura Kouta	Sputtering Behavior of Sn and Sn-based Alloy Under Hydrogen Plasma Exposure	
Oral	18Cm5	Sakuma Ikko	Verification of hydrogen isotope exchange reaction in In-liquid plasma experimental device	
Oral	18Cm6	Kawase Hiroki	Preliminary results of H ₂ O and D ₂ O real-time measurement using mid-IR lasers with wavelength of 2.9 μm and 3.9 μm	
Oral	18Cm7	Xiangyu Wu	Comparative evaluation of bonding strength of vacuum plasma spraying/explosive welding W-FB2H using ultra-small double-notch shear compression test	Award
Invited	18De1	Yoneda Hitoki	Highly coherent hard x-ray laser controlled with Bragg crystal target	
Invited	18De2	KORNEEV Philipp	Quasi-stationary Electromagnetic Structures in Plasmas Generated in ps-regime for Particle Collimation and Magnetic Reconnection Studies	
Invited	18De3	Jia Qing	Inverse Faraday Effect of Full Poincare Beams in Plasmas	
Invited	18De4	Matsumoto Yosuke	Plasma first-principle simulations for elucidating particle accelerations in the exascale computing era	
Oral	18Ea1	Rattanawongnara Engrhyt	Density and Temperature measurements near the plasma-beam boundary in a negative ion source	
Oral	18Ea2	Haba Yasuaki	First observation of two-dimensional velocity distribution functions of multiple velocity components in a single isolated negative ion beamlet aimed at fusion plasma heating	
Oral	18Ea3	Kaminaga Hiroki	Characteristics of plasma parameters with magnetic filter of SMF on negative ion source using TPDsheet-U.	Award
Oral	18Ea4	Goka Taiga	Reduction of co-extracted electron current by SMF using Cs-free negative ion source	Award
Oral	18Ea5	Hamajima Taiga	IDENTIFICATION OF TWO-TYPE RESPONSES TO THE RF ELECTRIC FIELD OF NEGATIVE ION BEAM	Award
Oral	18Ea6	Suzuki Asahi	Negative ion beam extraction in a large diameter RF negative hydrogen ion source and simulation study of a neutralization cell	Award
Oral	18Ea7	Shimizu Seiya	Evaluation of negative ion production with C12A7 electrode in negative hydrogen ion source with kW-class ICP discharge	Award
Oral	18Ea8	Li Haolun	Reactive molecular dynamics simulations on structural stabilization of damaged polyethylene chains	
Invited	18Ee1	Wang Douyan	Biological applications using pulsed electric energies	
Invited	18Ee2	Yagi-Utsumi Maho	Cold atmospheric plasma modification of amyloid β	
Invited	18Ee3	Gherardi Matteo	Atmospheric pressure plasma deposition of silicon-containing thin films	
Oral	18Ee4	SHARMA DEEPAK	Design and analysis of a plasma chamber for thermal processing applications	
Invited	18Em1	Hood Thomas Ryan	Laser-Induced Fluorescence Measurement of Ion-Acoustic Fluctuations in the Plasma Sheath	
Invited	18Em2	Li Dong	Development and application of the Gaussian Process Tomography (GPT) method for Soft X-ray and visible spectroscopic diagnostics	
Oral	18Em3	Ohdachi Satoshi	Comparison of the Tomographic Reconstruction Method of the SX Emission Profile for the Next Generation Non-Circular Tokamaks	
Oral	18Em4	Tetsuya Fujimura	Development of tomography method for magnetic island in fusion plasmas using non-stationary gaussian process	Award
Oral	18Em5	manabe ryo	Trial of Deep Learning for Image Reconstruction of Lens-less Microwave Holography	Award
Oral	18Em6	Nakamura Hiroaki	MD simulation on fabrication of chiral nanoneedle under optical vortex laser irradiation	
Invited	18Pa1	Zhu Shaoping	Some fundamental scientific issues in laser fusion	
Invited	18Pa2	Ishikawa Kenji	Toward plasma cancer therapy and intracellular metabolic modifications by treatments using low-temperature plasma-activated solutions	
Invited	18Pe1	Zajickova Lenka	Plasma polymerization aimed for biomedical applications	
Invited	18Pe2	Nunami Masanori	Recent Progress of Simulation Studies on Turbulent Transport of Helical Plasmas	
Invited	18Pm1	Poli Francesca	Overview of next-step stellarator and tokamak design studies at PPPL	
Invited	18Pm2	Warner Felix	Progress on the (European) stellarator systems studies	
Invited	19Aa1	WANG Xian-Qu	Configuration characteristics of the Chinese First Quasi-axisymmetric Stellarator (CFQS)	
Oral	19Aa2	Yoshimura Yasuo	Investigation of Capability of Current Control by EC-Waves in the Quasi-Axisymmetric Stellarator CFQS	
Oral	19Aa3	Shimizu Akhiro	Current status of physics/engineering studies and construction of quasi-axisymmetric stellarator CFQS	
Oral	19Aa4	SEKI RYOSUKE	Prediction of Neutron Emission Rate in Deuterium Neutral Beam heated CFQS plasmas using FIT3D-DD code	
Oral	19Aa5	Mori Takahiro	Absorption Analysis of Electromagnetic Waves under the overdense state in the magnetospheric plasma device RT-1	Award
Oral	19Aa6	YAMADA Iwao	Finite element modeling of electron transport for electron cyclotron wave assisted tokamak start-up	Award
Oral	19Aa7	TANNA L. RAKESH	EQUILIBRIUM MAGNETIC FIELD REQUIREMENTS DURING PLASMA INITIATION AND CURRENT RAMP-UP PHASE IN ADITYA-UTOKAMAK DISCHARGES	Award
Oral	19Ae1	YAMADA Ichihiro	Neural Network Data Analysis in the LHD Thomson Scattering System	
Oral	19Ae2	Noguchi Daichi	Measurement of the wave with difference-frequency between applied two ICRF waves in GAMMA 10/PDX	
Oral	19Ae3	Sakai Hikona	Development of phase contrast imaging using 1.06μm YAG laser for micro-turbulence measurements	Award

Type	ID	Presenter	Title	Award
Oral	19Ae4	Matsuyama Akinobu	Results of ITER DMS pellet material (neon) injection into Large Helical Device	
Oral	19Ae5	Kenji Ueda	Two-dimensional electrostatic potential structure based on coherence imaging spectroscopy in magnetospheric plasma device RT-1	Award
Oral	19Ae6	KADO KEITARO	Optimization of magnetic field based on electron orbit measurement in TOKASTAR-2 helical plasmas	Award
Invited	19Am1	Takahashi Hiromi	Performance Integration and Optimization of High Temperature Plasmas in the LHD	
Oral	19Am2	HU WENQING	Bicoherence Analysis on the Density and Magnetic Fluctuations of H-mode Plasma in LHD	Award
Oral	19Am3	Ito Shu	Effects of External RMP on Instability with Minor Collapse in LHD	Award
Oral	19Am4	Funaba Hisamichi	Fast Signal Modeling for Thomson Scattering Diagnostics and Effects on Electron Temperature and Density Evaluation	
Oral	19Am5	Oishi Tetsuzarou	Spatial Profiles of NeV-NaX Emission in ECR-heated Discharges with Divertor Detachment Induced by RMP Application and Ne Gas Puffing in the Large Helical Devices	
Oral	19Am6	kawamoto yasuko	Effect of Impurity on Effective Ion Charge Zeff Measurement in LHD	
Oral	19Am7	Nakamura Kaori	Installation and test of a cesium sputter type negative ion source for LHD-HIBP	Award
Invited	19Ba1	WANG Hao	Simulations of Alfvén eigenmodes in CFQS using MEGA code	
Invited	19Ba2	Hezaveh Hesar Maskan Hooman	Convective transport in phase space during long range Alfvénic frequency chirping; Simulations using the MEGA code	Award
Oral	19Ba3	NUGA Hideo	Numerical estimation of the tritium yields during LHD deuterium experiment campaign	
Oral	19Ba4	Matsumoto Yutaka	Monte-Carlo Simulation of D-D Neutron Emission Rate in NBI-Heated Deuterium Plasma of LHD	
Oral	19Ba5	Naoki Motomasa	Diagnostic method of deuteron velocity distribution function based on spatial neutron flux profile measurement in deuterium-beam-injected deuterium plasmas	Award
Oral	19Ba6	ITOH CHUJUO	FAST ION DIAGNOSTICS METHOD USING VISIBLE LIGHT SPECTRA OF 3HE BY DD REACTION -PRELIMINARY STUDY ON EXPERIMENTAL CONDITION IN LHD-	Award
Invited	19Bm1	Smirnov Roman	Modeling of plasma-wall coupling effects in edge plasma transport	
Invited	19Bm2	Li Nami	Characteristics of grassy ELMs and its impact on the divertor heat flux width	
Invited	19Bm3	Liu Chang	Self-consistent simulation of resistive kink instabilities with runaway electrons	
Invited	19Bm4	Kolemen Egemen	DESC: Fast and Accurate Stellarator Equilibrium and Optimization Code with Automatic Differentiation	
Oral	19Ca1	Takeo Hiromasa	Initial results of ion-ion separation experiment for advanced fusion in a unified direct energy conversion simulator	
Oral	19Ca2	Lin Zhehao	Reduction of energy deposition nonuniformity by adjustment of tamper shape in fuel pallet for heavy-ion inertial fusion	Award
Oral	19Ca3	Sakaki Naoto	Detection of quantum vortex in superfluid 4He	Award
Oral	19Ca4	Watanabe Osamu	The first experiment of a finline antenna for lower hybrid wave current drive	
Oral	19Ca5	Somboonkitichai Nopparit	Computational Investigation of 2-D Temperature Distribution in Plasma Exposed Liquid Metals	
Oral	19Ca6	Takao Miharuru	Effect of Wire Material and Input Energy on Soft X-ray in Divergent Wire Array Z-pinch	Award
Oral	19Ca7	Annaka Yuta	Effect of Oversized Factor on Multimode Radiation in 0.1-THz Surface-Wave Oscillator	
Oral	19Ca8	Iwamoto Akifumi	Cryogenic Thermal Conductivity Measurements of Yb:YAG ceramics	
Oral	19Ce1	Montallana Aranbxa Danielle	FABRICATION OF PLASMA-REDUCED Ag-TiO2 NANOPARTICLES FOR PHOTOCATALYTIC APPLICATIONS	
Oral	19Ce2	Kuzmin Arseniy	Oxygen effect on hydrogen permeability through PdCu membrane under hydrogen plasma irradiation	
Oral	19Ce3	Kawanami Ryuta	Application of Linear Response Theory to the Relaxation of a Polyethylene Damaged by Substituted Tritium	Award
Oral	19Ce4	Kurosaki Kentaro	Measurements of electron temperature and density of a hollow cathode type cascade arc discharge by means of Thomson scattering	Award
Oral	19Ce5	Bou Che	Performance Evaluation and Extension of Mesh Generation Scheme Based on Structure of Magnetic Field Lines for Large Helical Device	Award
Oral	19Ce6	Suzuki Chihiro	Analysis of EUV Spectra of Lanthanum and Europium Ions Observed in the Large Helical Device	
Invited	19Cm1	Zhou Haishan	R&D Progress of the Plasma-facing Materials/components Testing Facilities in the CRAFT Project	
Oral	19Cm2	Natsume Hiroki	Measurement of the bidirectional reflectance distribution function of tungsten surface sputtered in argon plasma	Award
Oral	19Cm3	Zhap Mingzhong	Impurities deposition and hydrogen retention profiles in the graphite divertor target elements from different toroidal positions of Wendelstein 7-X	
Oral	19Cm4	Yusa Noritaka	Application of High-frequency Ultrasonic Test to the Non-destructive Inspection of W-Cu Bonded Interface	
Oral	19Cm5	Bui Xuan Nhat Son	DIVERTOR HEAT FLUX SENSOR UPGRADE USING SMALL THERMOCOUPLE	
Oral	19Cm6	Seki Yohji	Tensile properties of CuCrZr tube during mass production for the ITER divertor outer vertical target	
Oral	19Cm7	Ashikawa Naoko	Material Selection Matrix for the Tritium Removal Scenario Constructions in DEMO	
Invited	19Cm8	WANG Xiaoyu	OVERVIEW OF DESIGN AND R&D APPROACH FOR CN HCCB TBS	
Invited	19Da1	YOGO Akifumi	Laser-driven Neutron Source: State-of-the-Art and Applications	
Invited	19Da2	Huang Kai	Temporal characterization of laser driven ultrafast electron bunches via electro-optic sampling	
Oral	19Da3	Murakami Kenta	Dependence of water window X-ray intensity on target thickness in laser produced Au plasmas	Award
Oral	19Da4	Takahashi Kazumasa	Ion generation using frozen Xe target for laser ion source	
Oral	19Da5	Katane Hiroto	Effect of solenoid magnetic field on time evolution of ion beam emittance in laser ion source	Award
Invited	19Dm1	Kanasaki Masato	Measurement of Laser-Accelerated Ions from Cluster Targets using Solid State Nuclear Track Detectors	
Invited	19Dm2	Zhang Feng	Enhanced Energy Coupling for Indirect Drive Fast Ignition Fusion Targets	
Oral	19Dm3	Ozaki Tetsuo	Estimation of a plasma mirror reflectivity of LFEX laser using electron energy spectrometers	
Oral	19Dm4	Koga Mayuko	Behavior of Gas Injected Fast Ignition Targets	
Oral	19Dm5	Watanabe Naoto	Effects of radial thermal conduction and radiation transport during fuel pellet implosion in heavy-ion inertial fusion	Award
Invited	19Ea1	Nakanishi Hideya	Fusion Cloud - Open Inter-Fusion Research Platform in Japan -	
Invited	19Ea2	TOKUNAGA SHINSUKE	Investigation of required network-storage system toward Fusion Information Science Center in Rokkasho	
Oral	19Ea3	Dave Amitkumar Bhurugu	SYNTHETIC DATA GENERATION BY T-GAN FOR TOKAMAK PLASMA CURRENT QUENCH EXPERIMENTS	Award
Oral	19Ea4	Takayama Arimichi	Code Tuning of DFT-based Simulation Software Package OpenMX for the Plasma Simulator in NIFS	
Oral	19Ea5	Wang Yan	In-situ Visualization by Smart Cameras Applied to 3D Game of Life	Award
Oral	19Ea6	Mukai Kiyofumi	Feature extraction from two-dimensional radiation images of impurity seeded plasmas on Large Helical Device	
Invited	19Ee1	Shikama Taiichi	Development of a near-infrared Stokes spectropolarimetry system for the spatially resolved measurements of atomic emissivity and velocity distribution in the scrape-off-layer of Heliotron J	
Invited	19Ee2	Elskens Yves	Wave-Particle Interaction in a Traveling Wave Tube	
Invited	19Ee3	Tanaka Nozomi	Comprehensive measurements of hydrogen radicals in hydrogen plasma induced by intense extreme ultraviolet radiation	
Invited	19Em1	del-Castillo-Negrete Diego	A Feynman-Kac based probabilistic method for the computation of confinement and exit-time in plasma and fluid local and nonlocal transport problems	
Oral	19Em2	Kamitani Atsushi	Linear-System Solver for EFG-Type Saddle-Point Problem without Using QR Decomposition	
Oral	19Em3	Omori Hibiki	Energy and angular momentum correction for BIA method for multi-body problems	Award
Oral	19Em4	Habu Shu	Quasi-optical Simulation on Propagation of Laguerre-Gaussian Beams in Cold Plasma	Award
Oral	19Em5	OGURA Kazuo	Excitation of Spool-Plasmon with Non-Zero Angular Momentum Based on Plasmonic Vortex Cavity	
Oral	19Em6	Kubo Shin	Laguerre-Gauss beam formation by spatiotemporal coherent cyclotron motion of electrons	
Oral	19Em7	Goto Yuki	Direct Measurement of the Phase/Polarization Singularity for the Millimeter Wave with Helical Wavefront by Heterodyne Detection System at Two Spatial Points	
Invited	19Pa1	Nishiuchi Mamiko	Energetic and highly charged ion acceleration by temporally controlled high intensity femtosecond laser pulses	
Invited	19Pa2	Lu Kun	Overview of CRAFT Progress	
Invited	19Pa3	Whyte Dennis	Overview of high-field magnet development and the SPARC tokamak	
Invited	19Pe1	Kobayashi Masahiro	Plasma transport in magnetic island and stochastic magnetic field in non-axisymmetric torus magnetic geometry	
Invited	19Pe2	Kato Daiji	Atomic Data Development of Lanthanide for Kilonova	
Invited	19Pm1	Carter A Troy	Overview of plasma wave studies using the Basic Plasma Science Facility	
Invited	19Pm2		Presentation scheduled at this slot was changed	