AAPPS-DPP2025 Scientific Program

2025.06.23 AAPPS-DPP Program Committees

Plenary [Time table tbd.]

CD: Vladimir Rosenhaus	CUNY	Theory of wave turbulence
CD: Ting Long	Southwestern Institute of Physics	Studies of cross phase in turbulent Reynolds stress and particle flux in the edge of tokamak plasma
CD: Julian Mak	HKUST	Relaxation and equilibration of baroclinic flows
F: Anna Tenerani	The University of Texas at Austin	Compressible effects in solar wind turbulence
F: Colin Roach	UK Atomic Energy Authority	Recent Progress in our Understanding of Electromagnetic Turbulence in a Conceptual Spherical Tokamak FPP (STEP)
F: Mahendra Verma	IIT, Kanpur	Kolmogorov-like turbulence in magnetohydrodynamics
B1: Haiqing Liu	Institute of Phasma Physics, CAS	Progress on Burning Plasma Diagnostic Design for CFEDR
B1: Takahiro Miyoshi	Hiroshima University	The HLLD solver: 20 years and beyond
B1: Brendan C. Lyons	General Atomics	Pulse Design and Digital Twin Capabilities of the FUSE Integrated-Modeling Framework
B2: Edward Thomas	Auburn University	Magnetization of electrons and ions and their influence on dusty plasmas
B2: Lorin Matthews	Baylor University	Charging and Transport of Dusty in Plasma: beyond the basics
B2: Yan Feng	Soochow University	From supercritical transition of dusty plasmas to diffusion mechanism of 2D fluids
A1: Ya Zhang	Wuhan University of Technology	Numerical Study of RF Plasmas using PIC/MCC Simulations with External Circuitry
A1: Erik Wagenaars	University of York	Towards control of plasma chemistry in low-temperature plasmas
A1: Ramses Snoeckx	Empa,	Kinetic and thermodynamic insights into plasma-based gas conversion
A2: Bornali Sarma	University of Delhi	Fabrication of TENG inspired Ag-Cu coated banana fabric textile for wearable and sustainable Bio Sensor adopting plasma sputtering technology
A2: Kamatchi Sankaranarayanan	IASST	Synergistic Integration of Biophysics and Plasma Physics: Advancing Biomolecular Applications with Cold Plasma Technology
A2: Joanna Pawlat	Lublin University of Technology	Application of Non-Thermal Plasma in Food Treatment and Biological Material Conditioning
L1: Tobias Dornheim	CASUS Görlitz and Helmholtz	Toward predictive first principle simulations of warm dense matter
L1: Alexey Arefiev	University of California San Diego	Exploring new physics regimes with ultra-high-intensity laser-plasma interactions
L1: Natsumi Iwata	The University of Osaka	Mesoscale laser plasma physics explored by kJ petawatt lasers
L2: Gianluca Gregori	Oxford U	Laboratory astroparticle physics: from the stability of laboratory blazar's jets to heavy axion searches
L2: Jamie Rosenzweg	UCLA	Plasma Wakefield Accelerators in Application: the Road to Discovery Science
L2: Min Chen	Shanghai Jiao Tong university	Laser wakefield based axion-like particle generation and detection
SG: Linghua Wang	Peking University	Interplanetary energetic electrons
SG: Xinlin Li	University of Colorado Boulder	The Continuing Journey of REPTiles (Relativistic Electron and Proton Telescope Integrated Little Experiments): Achievements and Future Impact
SG: Nareshpal Saini	Guru Nanak Dev University, Amritsar	Breather Structures and Peregrine Solitons in a Polarized Space Dusty Plasma
SA: Mark Cheung	CSIRO Space & Astronomy	Data-driven Modelling of Solar Eruptive Flares
SA: Hiroya Yamaguchi	JAXA/ISAS	X-Ray Imaging and Spectroscopy Mission (XRISM): High-Resolution Spectroscopy of Astrophysical Plasmas
SA: Ying Li	Purple Mountain Observatory, CAS	The solar white-light flares observed by ASO-S
MF1: Wei Chen	Southwestern Institute of Physics	Density Limit Disruption Induced by Core-localized Alfvenic Ion Temperature Gradient Instabilities on HL-2A
MF1: Felix Warmer	Max Planck Institute for Plasma Physics	Latest performance achievements of the Wendelstein 7-X Stellarator
MF1: Yasushi ONO	University of Tokyo	Magnetic Reconnection for Fusion Plasma Ignition and Current Drive
MF2: Francesco Romanelli	Universita' degli Studi di Roma	DTT a facility to investigate heat exhaust solutions for fusion power plants
MF2: Andreas Kirschner	Forschungszentrum Jülich GmbH	Review of prompt redeposition in fusion devices with focus on tungsten-based plasma facing components
MF2: Felix Parra	Princeton Plasma Physics Laboratory	Finite gyro-radius and mean-free-path layers on tokamak walls

CD [Cross Disciplinary]

Sep 22(Mon), 14:00-16:10, Room 401	CD-1-TP Sang-Jin Park	Seoul National University	Simulations for understanding Alfven Eigenmode Mitigation physics in KSTAR Experiment
	CD-1-I1 Chuanxu Zhao	HUST	Investigation of the evolution and interaction of e-ITB and core MHD in J-TEXT
	CD-1-I2 Yi Zhang	Southwestern Institute of Physics	Impact of resonant magnetic perturbation on L-H transition dynamics in HL-2A and HL-3 tokamaks
	CD-1-I3 Wei WANG	Southwestern Institute of Physics	Dynamics of transport barriers formation in HL-3 experiment and gyro-kinetic simulations
	CD-1-I4 Xavier Garbet	NTU/CEA	Closure models for simulations of drift wave turbulence
Sep 22(Mon), 16:30-18:40, Room 401	CD-2-TP Weixin Guo	HUST	Comprehensive study of the transport and kinetic source of helium ash from alpha particles
	CD-2-I1 Patrick Diamond	UC San Diego	Radiative Mixing Layers and the Density Limit
	CD-2-I2 Ting Wu	Southwestern Institute of Physics	Impact of edge turbulence spreading on broadening the heat flux width in plasma approaching the density limit
	CD-2-I3 Bin Ahn	KAIST	Cross-field diffusion of magnetized low temperature plasmas near separatrix A Particle-In-Cell simulation study
	CD-2-I4 Shanni Huang	HUST	Theory of impurity effects on electromagnetic instabilities and the associative transport in the tokamak pedestal
	CD-2-O1 Chuang Ren	University of Rochester	Ion-electron temperature equilibration in magnetized collisionless shocks
Sep 23(Tue), 14:00-16:10, Room 401	CD-3-TP Akihiro Ishizawa	Kyoto University	Nonlinear interactions between toroidal Alfven eigenmode and microturbulence
	CD-3-I1 Lizhe Guo	Institute of Physics, CAS	Impacts of self-organized zonal fields on BAE nonlinear dynamics in phase space
	CD-3-I2 Min Jiang	Southwestern Institute of Physics	Interaction among magnetic island, flow and turbulence and its impact in plasma confinement
	CD-3-I3 Gyungjin Choi	KAIST	Self-generated oscillations in a magnetic island
	CD-3-I4 Min Ki Jung	Seoul National University	Multi-scale interactions in KSTAR disruptive plasmas with forced magnetic islands: A global gyrokinetic analysis
	CD-3-O1 Chang Kai	Chai Mr.	Transition from electrostatic to electromagnetic instabilities in magnetised plasmas
Sep 23(Tue), 16:30-18:40, Room 401	CD-4-TP Eisung Yoon	UNIST	Analyzing Phase Mixing and ITG Dynamics through Mode Decomposition Methods
	CD-4-I1 Michael Leconte	Korea Institute of Fusion Energy	Interplay between nonlinear transport crossphase and zonal modes in two-field ITG turbulence
	CD-4-I2 Makoto Sasaki	Nihon University	Trapping and de-trapping bifurcation of drift wave turbulence by zonal flows based on a reduced fluid model
	CD-4-I3 Norman Cao	The University of Texas at Austin	Stochastic Lagrangian Formulations of Transport for Coherent Structure Dominated Turbulence
	CD-4-I4 Zongmau Lee	National Cheng Kung University	Diagnostic Strategy for Phase-Space Entropy Cascade in Electron-Scale Turbulence of Laboratory Plasma
	CD-4-O1 Lei Yao	Nagoya University	Turbulence localization in zonal flows in Hasegawa-Wakatani model
Sep 24(Wed), 14:00-16:10, Room 401	CD-5-TP Naoki Kenmochi	National Institute for Fusion Science	Experimental Measurement of Local and Nonlocal Turbulence in Magnetically Confined Plasma
	CD-5-I1 Taik Soo Hahm	Seoul National University	Applications of Momentum Theorem to Magnetized Plasma
	CD-5-I2 Katsumi Ida	National Institute for Fusion Science	Non-local transport nature revealed by experiments in toroidal plasmas
	CD-5-I3 Yusuke Kosuga	Kyushu University	Avalanches in MFE and Implications for the Heat Load Width
	CD-5-I4 Hijiri Sugiyama	Nagoya University	Avalanche-like heat transport events related to microscopic turbulent vortex dynamics
	CD-5-I5 Mingyun Cao	University of California, San Diego	How ‘the tail wags the dog’: physics of edge-core coupling by inward turbulence spreading
Sep 24(Wed), 16:30-18:40, Room 401	CD-6-TP Zhihong Lin	University of California, Irvine	Minimizing turbulent transport in stellarator by optimizing zonal flow dynamics and radial electric field
	CD-6-I1 Won-Ha Ko	Korea Institute of Fusion Energy	Non-axisymmetric magnetic fields effect on rotation and turbulence in KSTAR
	CD-6-I2 Lai Wei	Dalian University of Technology	Effects of RMP on edge–core turbulence spreading and coupling in a tokamak plasma
	CD-6-I3 Yao Zhou	Shanghai Jiao Tong University	Benign saturation of ideal ballooning instability in a high-performance stellarator
	CD-6-O1 Yvonne Ban	Nanyang Technological University	Effect of helical perturbations on magnetic braking and neoclassical transport in tokamak plasmas
Sep 25(Thu), 14:00-16:10, Room 401	CD-7-TP Zeyu Li	General Atomics/DIII-D	Multi-Scale Interaction for ELM Suppression in the Tokamak Edge
	CD-7-I1 Rahul Pandit	Indian Institute of Science	Large-scale multifractality and non-self-similar energy decay in one- dimensional (1D) Burgers and three-dimensional (3D) Navier-Stokes turbulence
	CD-7-I2 James Beattie	Princeton University	Fundamental Results from the World’s Largest Simulation of Compressible MHD Turbulence: Applications to Astrophysical and Space Plasmas
	CD-7-I3 Ameir Shaa Bin Akber Ali	NTU	Fast Hybrid Neural Interpolation of Nonlinear Dynamics
	CD-7-I4 David Garrido González	Aix-Marseille University	Modeling Nonlinear and Chaotic Dynamics with Interpretable Data-Driven Reduced Order Models
Sep. 25(Thu), 16:30-18:40, Room 401	CD-8-TP Rameswar Singh	University of California San Diego	On collisionless saturation of zonal flow shear in ITG turbulence: Implications for negative triangularity.
	CD-8-I1 Kimitaka Itoh	Chubu University	On subcritical excitations of plasma turbulence
	CD-8-I2 Koki Ryono	Kyoto University	Mixing in a two-dimensional fluid and the curvature of the flow domain: how to drive the vorticity field evolve towards the statistical equilibrium
	CD-8-I3 Haomin Sun	EPFL-SPC	Reducing turbulent transport in tokamaks by combining intrinsic rotation and the low momentum diffusivity regime
	CD-8-I4 Justin Ball	EPFL-SPC	Intrinsic momentum and current drive by almost-rational surfaces in tokamaks
	CD-8-O1 Huang Jing Cheng	NTU	Extracting stochastic model for predator-prey dynamic of turbulence and zonal flow with limited data
Sep. 26(Fri), 1400-16:10 Room 401	CD-9-TP Alessandro Di Siena	Max Planck Institute for Plasma Physics	The Role of Alpha Particles in Turbulence Suppression and Confinement Enhancement in ITER and SPARC
	CD-9-I1 Kyle Callahan	Oak Ridge Institute for Science and Education	Investigation of Alfvén wave and Ion Temperature Gradient turbulence interaction under modified fast ion scattering conditions in DIII-D
	CD-9-I2 Eric Bass	University of California, San Diego	Effect of energetic particle transport in burning plasma scenarios
	CD-9-I3 Younghoon Lee	Hanyang University (HYU)	Impact of finite-orbit-width (FOW) effects on EGAM
	CD-9-I4 Minjun Choi	Korea Institute of Fusion Energy	Mesoscopic transport in KSTAR, HL-3, and DIII-D tokamaks

F [Fundamental]

Sep 21(Sun), 12:00-14:05, Room414	F-1-I1 Giuseppina Nigro	University of Rome Tor Vergata	Convective Heat Transfer in Magnetic Field Reversals: Insights from a Low-Dimensional Dynamo Model
	F-1-O1 Syed Talha Rizwan	Government College University, Lahore	Study of EMIC Waves using Cluster Observations
	F-1-O2 Shahida Parveen	Shaheed Benazir Buhtto Women University Peshawar	Head on collision of multi ion acoustic solitons with arbitrary degenerate electrons
	F-1-O3 Wei-Shuo Lo	National Central University	Dynamical behaviors of topological defects of thermal phonons in 2D dusty plasma crystals
	F-1-O4 Rabia Jahangir	National Centre for Physics	Dust Acoustic Solitons and Breathers due to Polarization Force with (r, q) Distributed Ion
	F-1-O5 Zahida Ehsan	Landau-Feynman Lab for Theoretical Physics, CUI	The Effects of Dust Size Distribution and Dust Charging on Shock Waves in Non-maxwellain Dust in Tokamak Plasma
	F-1-O6 Hafiz Zeeshan Iqbal	Forman Christian College University	Mode-Locking, Single- and Double-Well Chaos in Periodically Forced Quantum Degenerate Plasmas: Ravelling Unexplored Regimes of the Burgers Paradigm
	F-1-O7 Mushtaq Ahmad	International Islamic University Islamabad	Two Streaming Instabilities in Semiconductor Quantum Plasma
Sep 21(Sun), 14:05-16:10, Room414	F-2-I1 Ksenia Aleynikova	Max Planck Institute for Plasma Physics	Stability and transport in high-β stellarators: the role of kinetic ballooning modes
	F-2-O1 Ningfei Chen	Max-Planck Institute for Plasma Physics	Drift wave soliton formation via zonal flow generation and implication on staircase formation
	F-2-O2 Koki Yoshikawa	Nagoya University	Spatial structure of ETG turbulence-driven effective diffusion and its relations with the trapped electron mode instability
	F-2-O3 Masanori Nunami	National Institute for Fusion Science	A comprehensive map of micro-instabilities in multi-species plasmas
	F-2-O4 Aleksandra Dudkovskaia	University of York	Novel approach to gyrokinetic-Maxwell eigenvalue problem
	F-2-O5 Xiaoyi Yang	Harbin Institute of Technology	Study on the coherent structure of drift wave turbulence by eigenmode method
	F-2-O6 Seiyo Kobayashi	University of Tokyo	2D Thomson scattering measurement of electron temperature and density in merging spherical tokamak plasmas
	F-2-O7 Lucky Saikia	Institute for Plasma Research	Discharge-Driven Neutron Generation: Exploration and Application
Sep 22(Mon), 14:00-16:10, Room414	F-3-I1 Jian Zhang	Tongji University	The wave characteristics of kinetic-scale slow solar wind turbulence and their impact on the spectrum: PSP observation
	F-3-I2 Jiansen He	Peking University	Kinetic Alfvén Waves in the Primary Solar Wind: Shaping Our Understanding in the PSP and Solar Orbiter Era
	F-3-I3 Ling Chen	Purple Mountain Observatory, CAS	Kinetic Alfven Wave (KAW) in nonuniform magnetic plasma atmospheres and its applications
	F-3-I4 Jian Bao	Institute of Physics, CAS	Global simulation of drift-Alfven wave instability based on kinetic-MHD hybrid model in general geometry
	F-3-O1 Kexun Shen	Zhejiang University	PRC Stationary Power-law Solutions of Weak Kinetic-Alfvénic Turbulence
	F-3-O2 Keizo Fujimoto	Beihang University	Waves and Turbulence in the Electron Diffusion Region to Drive Magnetic Reconnection
	F-3-O3 Animesh Sharma	Indian Institue of Technology Delhi	Electron Heating From Colliding Plasma Waves
Sep 22(Mon), 16:30-18:40, Room414	F-4-I1 Walter Gekelman	University of California, Los Angeles	Experiments on Shear Alfvén waves with large transverse wavenumbers
	F-4-I2 Alessandro Fassina	ENEA	PROTO-SPHERA, a MHD configuration formed and sustained by magnetic reconnections
	F-4-I3 Muni Zhou	Dartmouth College	Magnetogenesis in collisionless plasma -- from Weibel instability to turbulent dynamo
	F-4-I4 Chiara Marchetto	CNR-Institute for Complex Systems and Politecnico di Torino	Magnetic reconnection in the presence of magnetic chaos: effects on secondary fluid instabilities
	F-4-O1 Cosmas Heiss	SPC-EPFL	Design of an advanced stabilizing shape controller on TCV using a rapid free-boundary simulator
	F-4-O2 Ritoku Horiuchi	National Institute for Fusion Science	Ion FLR effect in ion heating during the merging of two spherical-tokamak-type plasmoids
	F-4-O3 Hannah Bellenbaum	Helmholtz-Zentrum Dresden-Rossendorf	Estimating ionization states and continuum lowering from ab initio path integral Monte Carlo simulations for warm dense hydrogen
Sep 23(Tue), 14:00-16:10, Room414	F-5-I1 Ozgur Gurcan	Ecole Polytechnique	Phase transition from hydrodynamic turbulence to zonal flows and back
	F-5-I2 Francesco Pucci	NRC, Institute for Plasma Science and Technology	A wavelet-based model of magnetic turbulence in plasmas: features and applications
	F-5-I3 Tzu-Chi Liu	National Cheng Kung University	Experimental Verification of Cascade of Electron Entropy in Laboratory Plasma Experiments
	F-5-I4 Adriana Settino	Space Research Institute (IWF), Austrian Academy of Sciences	Energy pathways driven by Kelvin-Helmholtz instability
	F-5-I5 Volodymyr Mykhaylenko	Pusan National University.	The kinetic theory of the macroscale non-diffusive convective flows of a magnetized plasma, produced by the inhomogeneous microturbulence.
	F-5-O1 Hyun Zun Lee	Myongji University	Fitting Formulas for Perpendicular Closure Coefficients in High-Collisionality Deuterium–Carbon Plasmas
	F-5-O2 Navaira Izhar	Government College University, Lahore	Nonlinear Magnetosonic Waves with Modified Temperatures Based on Non-Extensive q-Distribution and Generalized (r,q) Distribution.
Sep 23(Tue), 16:30-18:40, Room414	F-6-I1 Haotian Chen	Southwestern Institute of Physics	Validity of Gyrokinetic Theory in Magnetized Plasmas
	F-6-I2 Jungpyo Lee	Hanyang University	Impact of transport ordering breakdown on plasma currents and transports in a tokamak
	F-6-I3 Ding Li	Institute of Physics, CAS	Kinetic equations for strongly magnetized homogeneous and inhomogeneous plasmas
	F-6-I4 Shinichiro Toda	National Institute for Fusion Science	Modeling of Turbulent Transport due to Dissipative Trapped Electron Modes in Tokamak Plasmas
	F-6-I5 Arash Tavassoli	Australian National University	Applying ideal Ohm’s law to relaxed MHD equilibrium in Hahm–Kulsrud–Taylor slab geometry
	F-6-O1 Philip Morrison	University of Texas at Austin	The metriplectic 4-bracket and the unified thermodynamic (UT) algorithm: applications and computations
	F-6-O2 Punit Kumar	University of Lucknow	Effective field theory of Plasmas in Podolsky corrected Photonic field
Sep 24(Wed), 14:00-16:30, Room414	F-9-I1 Toseo Moritaka	National Institute for Fusion Science	Plasma structure formation in relativistic and non-relativistic beam interactions with magnetized plasmas
	F-9-I2 Andreas Bierwage	National Institute for Quantum Science and Technology	Long-lived density spikes in laser-driven Coulomb explosion folds
	F-9-I3 Alireza Abdikian	Malayer University	Investigation of the Davey-Stewartson excitation in a relativistic degenerate plasma
	F-9-I4 Chenxu Wang	National Institute for Fusion Science	Numerical Investigations on Propagation Characteristics of Millimeter-wave Vortex in Magnetized Plasma
	F-9-I5 Raffael Düll	M2P2, Aix-Marseille Université	Electromagnetic turbulence simulations in edge plasma with the SOLEDGE3X code
	F-9-O1 Updesh Verma	Manyavar Kanshiram Government Degree College	Role of Initial Pump Intensity and Plasma Density in Generating High-Intensity, Compressed Laser Pulses via Stimulated Brillouin Scattering
	F-9-O2 Jawon Jo	Myongji University	MD simulations for oscillatory behavior of non-Maxwellian fluid moments in a magnetized plasma
Sep 24(Wed), 16:30-18:40, Room414	F-8-I1 Farah Atour	Max Planck Institute for Plasma Physics	Nonlinear dynamics of toroidal Alfvén eigenmodes driven by trapped energetic particles
	F-8-I2 Panith Adulsiriswad	National Institute for Quantum Science and Technology	Effects of Fusion-born Alpha Particles on Helical Core in ITER Hybrid Scenario
	F-8-I3 Zhiwen Cheng	Zhejiang University.	Nonlinear saturation of toroidal Alfvén eigenmode via ion induced scattering in nonuniform plasmas
	F-8-I4 Wenjie Sun	Institute of Physics, CAS	Global gyrokinetic particle simulation of kinetic ballooning modes with energetic ions
	F-8-I5 Fabien Widmer	Max Planck Institute for Plasma Physics	First-Principle Gyrokinetic Simulations of Turbulence-Driven Magnetic Islands in Tokamaks
	F-8-O1 Shrish Raj	Nanyang Technological University	Electromagnetic simulations of Toroidal Alfvén Eigenmode (TAE) using GYSELA
	F-8-O2 Shabbir Ahmad Khan	National Centre for Physics, QAU Campus	Kinetic modeling of vortex-type plasma modes carrying orbital angular momentum
Sep 25(Thu), 14:00-16:10, Poster Core time	FP-1 Zulfiqar Ahmad	Abdul Wali Khan University Mardan,	Propagatory dynamics of electromagnetic drift waves in inhomogeneous spin degenerate compact object's plasmas

	FP-2 Basanta Raj Dangal	Tribhuvan University	Effect of Variation of Presheath Ions Temperature on Multicomponent Magnetized Plasma-Wall Transition
	FP-3 Shusen Gao	Hiroshima University	Spatiotemporal Emission Spectra from Laser-Produced Tin Plasma in a Hydrogen gas Atmosphere
	FP-4 Ab Rauoof Wani	Indian Institute of Technology Jammu	Rayleigh-Taylor turbulence in strongly coupled plasmas
	FP-5 Mitsuyoshi Yagyu	Notre Dame Seishin University	On the effect of the magnetic compressibility in microtearing turbulence
	FP-6 Mizuki Tanaka	the University of Tokyo	Experimental Study of the Influence of External Inflow Drive on Energy Conversion Rate in Guide Field Reconnection
	FP-7 Shohgo Okazaki	The University of Tokyo	Primary Results of Multi-filter Soft X-Ray Tomography during Counter-Helicity Spheromak Merging
	FP-8 Jun-Zhong Wen	National Central University,	Percolation of defect and hopping clusters in the melting transition of two-dimensional Yukawa solids
	FP-9 Mikhail Mlodik	Princeton University	Drift-energy replacement effect in multi-ion magnetized plasma
	FP-10 Chang Liu	Harbin Institute of Technology	Study on the coherent structure of drift wave turbulence by eigenmode method
	FP-11 Shinjiro Takeda	The University of Tokyo	High Energy Electron Measurement in Tokamak Merging Experiments
	FP-12 Sutapa Samanta	Institute for Plasma Research	Effect of Ion Composition and Ion-Neutral Collisions on the Negative Ion Plasma Sheath with Surface Produced Negative Ions
	FP-13 Shota Ito	University of Tokyo	PIC Simulation Study of Relaxation Phenomena in Counter-helicity Merging
	FP-14 Shabbir Ahmad Khan	National Centre for Physics, QAU Campus	Kinetic full wave analysis of EC wave mode conversion by integral operator method
	FP-15 Heru Guo	Institute of Energy, Hefei Comprehensive National Science Center	Distributed modeling and simulation methods for digital tokamaks
	FP-16 Minglun Tian	HUST	Two-dimensional PIC/MCC modeling of inductively coupled plasma: a benchmark study in the GEC configuration
Sep 25(Thu), 16:30-18:40, Room414	F-10-I1 Tara Ahmadi	University of Tokyo	Numerical study on Ion and Electron Dynamics and the Role of Electrostatic Potential on Particle Heating in Merging startup in TS-6 experiment
	F-10-I2 TIANCHAO XU	Tsinghua University	Experimental Investigation of Inward Particle Transport Driven by Vorticity Flux in the PPT Device
	F-10-I3 Hengqian Liu	University of Science and Technology of China	Optimizing omnigenity like quasisymmetry for stellarators
	F-10-I4 Jian Chen	Sun Yat-sen University	Three-dimensional Helical-rotating Plasma Structures in Beam-generated Partially Magnetized E´B Plasmas
	F-10-I5 Chizhou Wang	EPFL	Prediction of runaway electron avalanche in ITER mitigated disruptions via 3D MHD modelling
	F-10-O1 Qihang Li	Peking University	Avalanche effect correction of runaway electrons
	F-10-O2 Yutaka Nakamura	The University of Osaka	Verification of fast electrons convergence effect by controlling the plasma density distribution
Sep. 25(Fri), 14:00-16:10, Room414	F-11-I1 Abhay Ram	Plasma Science and Fusion Center, MIT	Quantum Computing Approach to Wave Propagation in Plasmas
	F-11-I2 Zhenyu Wang	Institute of Plasma Physics, CAS	Full-f 6D particle-in-cell simulations of quasi-kinetic equilibrium and drift-wave instability under spatial inhomogeneity
	F-11-I3 Matthew Thomas	The Australian National University	Computation of Shear Alfvén Waves in Stochastic Magnetic Fields
	F-11-I4 Animesh Kuley	Indian Institute of Science Bangalore	Neural network-assisted electrostatic global gyrokinetic toroidal code using cylindrical coordinates
	F-11-I5 Robert Ewart	Princeton University	Rapid thermalisation, and non-thermal equilibria in near-collisionless plasmas
	F-11-O1 Kooper de Lacy	The University of Western Australia	Convergence Rate of Multi-region Relaxed MHD Equilibria to Ideal MHD Equilibria
	F-11-O2 Masaru Furukawa	Tottori University	Helically symmetric equilibria of incompressible MHD in cylindrical geometry

B1 [Diagnostics, Simulation and Data Science]

Sep 22(Mon), 14:00-16:10, Room413	~~B1-1-I1 Yunxin Cheng~~	~~Institute of Phasma Physics, CAS~~	~~Recent progress on tungsten spectra study using high performance spectroscopic systems in EAST tokamak~~
	B1-1-I2 Naoki Tamura	Max Planck Institute for Plasma Physics	Plasma Diagnostics and Control with Tracer Encapsulated Solid Pellet (TESPEL) in Magnetically Confined High-Temperature Plasmas
	B1-1-I3 Jia Han	University of California Los Angeles	X Ray Diagnostics for high energy electrons using Tungsten Pellets
	B1-1-O1 Jiankun Hua	HUST	The distribution of the parallel electron-current at the boundary of plasma on J-TEXT
	B1-1-O2 Shengyu Wang	The University of Tokyo	Investigation of Hard X-Ray emission in Lower Hybrid Wave Experiments on the TST-2 Spherical Tokamak
	B1-1-O3 Seongmin Choi	KAIST	Development of a Virtual FVC System and Forward Model for Shattered Pellet Injection Tracking in KSTAR
	B1-1-O4 Tingyu Li	Institute Of Plasma Physics, CAS	Method for Optimizing the Layout of Equilibrium Magnetic Sensors and a Real-Time Status Monitoring System in Tokamak Devices
	B1-1-O5 Ying Hao Matthew Liang	A*STAR	Conceptual design of a Doppler Backscattering diagnostic for the EXL-50U spherical tokamak
Sep 22(Mon), 14:00-16:10, Room404	B1-2-I1 Masahiko Sato	National Institute for Fusion Science	Recent progress and future prospects of kinetic-magnetohydrodynamic hybrid simulations using the MEGA code
	B1-2-I2 Shiyang Liu	Zhejiang University	Development of the Gyrokinetic-MHD Hybrid Code cuGMEC and Its Nonlinear Simulations of Alpha Particle-driven Alfven Eigenmodes in ITER
	B1-2-I3 Wei Zhang	Zhejiang University	Strong toroidal electric field generation during sawtooth crashes
	B1-2-O1 Jun Kuang	Anhui University	Development of a static tokamak equilibrium solver and design of cloverleaf configuration
	B1-2-O2 Sumin Yi	Korea Institute of Fusion Energy	Turbulence simulation with a bounce-averaged kinetic electron model in general tokamak geometry
	B1-2-O3 Rui Costa	UKAEA	Towards visualizing multi-dimensional gyrokinetic simulation data
	B1-2-O4 Maho Matsukura	Tohoku University	Effect of ion mass on ExB Electron Drift Instability investigated by 2D PIC simulation
	B1-2-O5 Anbang Sun	Xi'an Jiaotong University	Recent progress in plasma modeling for streamers and electrical propulsion
Sep 22(Mon), 16:30-18:40, Room413	B1-3-I1 Guanghai Hu	Institute of Plasma Physics,CAS	Development of fast neutral alkali beam for edge plasma parameters measurement on EAST and CFQS
	B1-3-I2 Changlin LAN	Lanzhou University	Neutron In-situ calibration technology for future D-T fusion devices
	B1-3-I3 Naohiro Kasuya	RIAM, Kyushu Univ.	Synthetic diagnostics for fluctuation detection in toroidal plasmas
	B1-3-I4 Siriyaporn Sangaroon	Mahasarakham University	Recent progress in advanced diagnostics for Thailand Tokamak-1
	B1-3-O1 Yuyang Liu	Institute of plasma physics, CAS	Advances in the Design of the Dispersion Interferometer System for the Burning Plasma Tokamak in China
	B1-3-O2 Bharat Hegde	Institute for Plasma Research	Laser Induced Breakdown Spectroscopy (LIBS) based wall monitoring diagnostic for ADITYA-U tokamak
	B1-3-O3 Eiichiroou Kawamori	National Cheng Kung University	Experimental Plan for Measuring Fluctuations in the Velocity Distribution Function of Relativistic Electrons Using Electron Cyclotron Emission Spectra in the Spherical Tokamak FIRST
Sep 22(Mon), 16:30-18:40, Room404	B1-4-I1 Shuai Xu	Forschungszentrum Jülich GmbH	The influence of 3D magnetic topology on the divertor power exhaust
	B1-4-I2 Jie Huang	Southwestern Institute of Physics	Three-dimensional nonlinear modeling of tokamak plasmas with applied Magnetic Perturbations
	B1-4-I3 Hideaki Miura	National Institute for Fusion Science	Characterization of Hall MHD turbulence as wave turbulence
	B1-4-I4 Takashi Shiroto	Nagoya University	Energy-consistent discontinuous Galerkin schemes for the visco-resistive magnetohydrodynamic equations
	B1-4-O1 Takayuki Umeda	Hokkaido University	New integrator for relativistic equations of motion for charged particles
	B1-4-O2 Yufei Hao	Purple Mountain Observatory, CAS	High-speed jets behind a quasi-parallel shock: 2-D hybrid simulations
	B1-4-O3 Yong Cao	Harbin Institute of Technology	A Generalized External Circuit Model for high order Electrostatic IFE-PIC codes
Sep 23(Tue), 14:00-16:10, Room413	B1-5-I1 Kenichiro Terasaka	Sojo University	Advanced Laser-Doppler Spectroscopy with Twisted Wavefront for Plasma Flow Measurements
	B1-5-I2 Nikolay BRITUN	Nagoya University	Emission and absorption-based plasma diagnostic techniques for number density detection: Basics and Examples
	B1-5-I3 Kentaro Sakai	National Institute for Fusion Science	Collective Thomson scattering for non-equilibrium plasma measurements
	B1-5-I4 Tsuyohito Ito	The University of Tokyo	Electric field measurements by coherent anti-Stokes Raman scattering in visible region
	B1-5-O1 Yuqi Xu	Institute of Plasma Physics, CAS	Performance prediction of upgrading lithium beam emission spectroscopy to sodium beam emission spectroscopy diagnostic on EAST
	B1-5-O2 Yuan-Yao Chang	National Cheng Kung University	Development of calibration method of electron cyclotron emission radiometer for optically-thin magnetized plasma
	B1-5-O3 Deepika Behmani	Indian Institute of Technology Kanpur	Flow field dynamics in an atmospheric pressure plasma jet: A tale of turbulence and transition
Sep 23(Tue), 14:00-16:10, Room 404	B1-6-I1 Hanyang Lyu	University of Science and Technology of China	The current driven by the electromagnetic Ion Temperature Gradient turbulence
	B1-6-I2 Lei Qi	Korea Institute of Fusion Energy	Global gyrokinetic simulations of isotope effects for future tokamak plasma core and pedestal
	B1-6-I3 Keiji Fujita	Nagoya university	Extension and application of the gyrokinetic code GKV to space plasmas
	B1-6-O1 Dinkar Mishra	University of Lucknow	Twisted THz generation via LG laser pulse in magnetized plasma
	B1-6-O2 Shimin Yu	Huazhong University of Science and Technology	Impedance matching of pulse modulated capacitively coupled plasmas
	B1-6-O3 Atsushi Komuro	AIST	Extending Simulation-Based Insights to Experiments: A Comprehensive Approach to Atmospheric Pressure Streamer Discharge Studies
	B1-6-O4 Ayushi Agrawal	Indian Institute of Technology Roorkee	A comprehensive collisional radiative modelling of singly ionized iodine plasma for Plasma Diagnostics
	B1-6-O5 Swati Baruah	Rabindranath Tagore University	Lane Dynamics in 3D Pair Ion Plasmas: Influence of external forces
Sep. 23(Tue), 16:30-18:40, Room413	B1-7-I1 Dongjoon Lee	Korea Research Institute of Standards and Science	Electro-optic sensing technique for plasma diagnosis
	B1-7-I2 Swapnali Khamaru	Kyoto Institute of Technology	Computational and experimental analysis of H-atom-assisted non-thermal conversion of methane-hydrogen plasma to acetylene
	B1-7-I3 Kunihiro KAMATAKI	Kyushu University	Evaluation method of fine particle charge and measurement of spatial electric field in Ar plasma using optical tweezers method
	B1-7-I4 Mikirou Yoshinuma	National Institute for Fusion Science	Development of hyperspectral camera for auroral imaging using Galvanometer-mirror-scanning optics
	B1-7-O1 Xiangming Liu	Laser Fusion Research Center, CAEP	Backscatter diagnostics at the 100-kJ laser facility for laser-driven hohlraum applications
	B1-7-O2 Pradoong SUANPOOT	Maejo University	Electron Temperature Investigation in Ar/N_2 Non-Thermal Plasma Jet Using Plasma Propagation Speed Model
	B1-7-O3 Tomoyuki Murakami	Seikei University	Complex network analysis in plasma chemistry
Sep 24(Wed), 14:00-16:10, Room413	B1-8-I1 Sadruddin Benkadda	Aix Marseille university-CNRS	Interpretable AI-Driven Modeling of Plasma Turbulence
	B1-8-I2 Sven Wiesen	DIFFER - Dutch Institute for Fundamental Energy Research	Data-driven models for fusion plasma exhaust: AI methods gaining maturity
	B1-8-I3 Nitesh Bhatia	United Kingdom Atomic Energy Authority	Visualising Fusion: Connecting Data, Design, and Discovery
	B1-8-I4 Adriano Agnello	UK Science and Technology Facilities Council	AI and data solutions for experiment design and control
	B1-8-O1 Samuel Jackson	UKAEA	Towards Open Machine Learning Datasets for Fusion Research with Active Learning
	B1-8-O2 Riccardo Rossi	Università degli Studi di Roma	Integrating Deep Learning with Plasma Physics for Accurate and Reliable Multi-Diagnostic and Time-Constrained Inverse Problem Methodologies in Nuclear Fusion
	B1-8-O3 Bihao Guo	Institute Of Plasma Physics, CAS	Overview of AI-based MHD events and disruption prediction on EAST tokamak

Sep 24(Wed), 16:30-18:40, Room413	B1-9-I1 Yuya Morishita	Kyoto University	Adaptive model predictive control of fusion plasma based on data assimilation system ASTI
	B1-9-I2 Azarakhsh Jalalvand	Princeton University	AI-Driven Advancements in Tokamak Diagnostics, Control, and Scenario Optimization
	B1-9-I3 Zongyu Yang	Southwestern Institute of Physics	Towards integrated and robust control: a unified fusion plasma status embedding based on Transformer and masked auto-encoder.
	B1-9-I4 Yue Yu	Institute of Plasma Physics, CAS	Real-Time Detachment Forecaster: Decoding X-Point Radiation in Impurity-Seeded Plasmas
	B1-9-O1 RYOTA YONEDA	NTT Space Environment and Energy Laboratories	Offline Reinforcement Learning by Decision Transformer for Tokamak Plasma Control
	B1-9-O2 Kai ZHONG	Anhui University	The instability prediction of non-resonant energetic particle modes based on machine learning algorithms
	B1-9-O3 Runyu Luo	Huazhong University of Science and Technology	A Preliminary Investigation into the Prediction of Tearing Mode Evolution Using Deep Learning
Sep 25(Thu), 14:00-16:10, Room413	B1-10-I1 Mitsuru Honda	Kyoto University	Transport model surrogates via Gaussian process regression
	B1-10-I2 Aaro Järvinen	VTT	Towards scalable large-scale model validation with data science
	B1-10-I3 Shinya Maeyama	National Institute for Fusion Science	Improvement of turbulent transport model using multi-fidelity data fusion approach
	B1-10-I4 Alex Panera Alvarez	DIFFER	Pellet Fueling: AI-Enhanced Surrogate Modeling and Integrated Modelling
	B1-10-O1 Yong Xiao	Zhejiang University	AI Surrogate Model for Turbulent Transport in Tokamak Plasmas Using Gyrokinetic Simulation Data and Machine Learning
	B1-10-O2 Kotaro Fujii	Nagoya University	Causal relationship from multivariate time series and dominant scale for ITG turbulent transport
	B1-10-O3 Shan Wei	Shanghai Jiao Tong University	Three-dimensional Radiation Reconstruction Based on X-ray Imaging via Convolutional Neural Network
Sep 25(Thu), 16:30-18:40, Poster Core Time	B1-P1 Tatsushi Yano	Osaka Metropolitan University	Unsteady evaluation method of heat flux on plasma-irradiated targets from long-discharge plasmas and accurate consideration of cooling effects
	B1-P2 Yao Wang	Harbin Institute of Technology	Research of plasma multi-color imaging diagnosis based on metasurface
	B1-P3YUNFEI WANG	Institute of Plasma Physics, CAS	Power balance analysis of high-parameter long-pulse discharges on EAST
	B1-P4 Yubo Zhang	Institute of Plasma Physics, CAS	Study on fast deuterium ion physics based on neutron camera diagnostic technology for EAST high performance plasma experiment
	B1-P5 Kunal Singha	Institute for Plasma Research	Understanding Nonlinear Capacitive Probe Response in Nonneutral Plasma Diagnostics
	B1-P6 Hayato Kawazome	National Institute of Technology (KOSEN), Kagawa college	Numerical study of He I 1s1S-2p1P radiation trapping in high-ambient gas pressure thermal arc plasma
	B1-P7 Tomohide Suetsugu	Kyushu University	Measurement of spatial structures of fluctuations during the startup of tokamak plasmas in the PLATO tokamak by HIBP
	B1-P8 Ryusuke Hamada	Hiroshima University	Self-absorption of He resonance line outside of the plasma
	B1-P9 Sami Ul Haq	NILOP C PIEAS	Characterisation of magnetically confined laser induced copper plasma
	B1-P18 Hong Wang	Anshan Normal University	Simulation of device in low density plasma: From spacecraft to dust particle
	B1-P19 Woongil Ji	KAIST	Electrostatic PIC simulation of low temperature plasma in cusp-shaped magnetic field for deuterium ion source
	B1-P20 Harune Sekido	Nagoya University	Correction of Numerical Errors at Current Sources in Explicit Finite-Difference Time-Domain Method for Plasma Kinetic Simulations
	B1-P21 Xinyu Ge	ISEE	Suppressing numerical errors in higher-order Finite-Difference Time-Domain methods
	B1-P22 Nitish Ghosh	Indian Institute of Technology Roorkee	A detailed collisional radiative model for Ti plasma
	B1-P23 Jin Wook Kang	KAIST	Calculation of two-dimensional electromagnetic fields in a Cylindrical Inductively Coupled Plasma
	B1-P32 Zijie Liu	Institute of Energy, Hefei Comprehensive National Science Center	Plasma electron density profile tomography for EAST based on integrated data analysis
	B1-P33 Emi Narita	Kyoto University	Empirical transport modeling for the edge region of H-mode plasmas for integrated simulations
	B1-P34 Yuita Shirasawa	NTT Space Environment and Energy Laboratories	Identification of reduced-order models by sparse regression with oracle property
	B1-P40 Kun-Han Lee	National Center for High-performance Computing, NIAR	Development of Digital Twin for Taiwan's First Spherical Tokamak (FIRST): Simulation, Diagnostics, and Integration Framework
	B1-P41 Suho Kim	Department of Physics and Photon Science, GIST	Correction of Beam Deflection Effects in Interferometry for Near-critical Density Plasma Diagnostics
	B1-P42 Pengze Xiao	Huazhong University of Science and Technology	Numerical Simulation of Thermally Sustained Micro Discharge at Atmospheric Pressure by PIC/MCC-DSMC Coupled Method
	B1-Pxx Hua-Sheng Xie	ENN	Efficient Approaches to Solve Plasma Dispersion Relations with Arbitrary Distributions
Sep 26(Fri), 14:00-16:10, Room413	B1-12-I1 Addam Kit	VTT, Technical Research Centre of Finland	State representation learning of pedestal plasmas
	B1-12-I2 Satoru Tokuda	Kyushu University	Utilization and development of Bayesian statistics in plasma physics
	B1-12-I3 Xishuo Wei	University of California, Irvine	The low-dimensional representation of Quasi-Helical stellarator geometry
	B1-12-O1 YU ZHONG	Huazhong University of Science and Technology	Disruption Prediction for Different Operational Phase Based on Disruption Budget
	B1-12-O2 Chengshuo Shen	Huazhong University of Science and Technology	Transferable and interpretable disruption prediction based on physics-guided machine learning
	B1-12-O3 Sukma Wahyu Fitriani	Kyushu University	Predicting Plasma-Deposited Thin Film Properties Using Machine Learning based on Optical Emission Spectroscopy

B2 [Quantum/Dusty plasma, Plasma Source, Basic Experiments, A&M]

Sep 22(Mon), 14:00-16:10, Room504+505	B2-1-I1 Lin I	National Central University	Coherent entities in thermally excited two dimensional dusty plasma crystals: observation of multi-scale vorticity waves and vorticity wave vortices
	B2-1-I2 Chen-Kang Huang	National Central University	Formation and microfilamentation of spiral density waves in plasmas induced by circularly polarized field ionization
	B2-1-I3 Surabhi Jaiswal	Indian Institute of Science Education and Research Pune	Studying complex plasma crystal and its dynamical behavior in different plasma systems
	B2-1-I4 Dong Huang	Soochow University	Isomorphic lines and isomorphic invariants in dusty plasmas and its applications
	B2-1-I5 Shaoyu Lu	Soochow University	Internal friction of grain boundaries in two-dimensional Yukawa solids
	B2-1-O1 Khalid Hussain	Shah University of Narowal	Cylindrical and Spherical Dust Ion Acoustic Solitary Waves in Non-Maxwellian Space Plasmas
	B2-1-O2 Zubia Kiran	GC University	Kinetic Alfvén waves in a homogeneous dusty magnetoplasma with dust charge fluctuation effects
Sep 22(Mon), 16:30-18:40, Room504+505	B2-2-I1 Yangyang Fu	Tsinghua University	Similarity laws and scaling networks for radio frequency plasmas
	B2-2-I2 Chengxun Yuan	Harbin Institute of Technology	Measurement of Microwave Propagation in Periodically Structured Dusty Plasma
	B2-2-I3 Wei Kong	Civil Aviation University of China	Test of fluctuation–dissipation relation for active dusty plasmas: a molecular dynamics simulation
	B2-2-I4 Liang Xu	Soochow University	Mathematical and computational modeling of the gas breakdown in the planar magnetron discharge
	B2-2-I5 Srikumar Ghorui	Bhabha Atomic Research Centre	Aqueous Nitrogen Fertilizer in High Concentration from Air and Water: A Novel Fast Thermal Plasma Route
	B2-2-O1 Anisa Qamar	University of Peshawar	Magnetosonic shock waves in degenerate electron-positron-ion plasma with distinct spin densities
	B2-2-O2 Hoa Thi Truong	The University of Danang	Development of a Low-Voltage Micro Plasma Jet System Utilizing Silicon Diodes for Alternating Current
Sep 23(Tue), 14:00-16:10, Room504+505	B2-3-I1 Job Beckers	Eindhoven University of Technology	Complex Ionized Media and Contamination Control in Semiconductor Industry
	B2-3-I2 Eva Kovacevic	Université de Orleans	Low temperature low pressure low power reactive plasmas for 2D and multimaterials
	B2-3-I3 Yong-Xin Liu	Dalian University of Technology	Equivalent circuit modeling for electrical parameter diagnostic of a pulse-modulated RF
	B2-3-I4 Cheng-Ran Du	Donghua University	Vortex formation in a phase-separated binary complex plasma under microgravity
	B2-3-I5 Evan Matthew Aguirre	Indian Institute of Technology Delhi	Direct measurements of ion dynamics in a dusty plasma
	B2-3-O1 Wajid Ali	University of Peshawar	Ion-acoustic Solitary Waves with Arbitrary Degenerated Electrons and Positrons in Quantum Plasma
	B2-3-O2 Shahid Muhammad	Women University of Azad Jammu	Paramagnetic Spin Drift Effects on the Propagation of Electrostatic Plasma Modes in Spin Quantum Plasmas
Sep 23(Tue), 16:30-18:40, Room504+505	B2-4-I1 Kazunori Takahashi	Tohoku University	Radiofrequency plasmas in a magnetic nozzle: fundamental physics and applications
	B2-4-I2 Zhuang Liu	Soochow University	Investigations of dust and impurities in EAST and HL-3 tokamaks
	B2-4-I3 Aohua Mao	Harbin Institute of Technology	Structure characteristics of three-dimensional asymmetric magnetic reconnection in SPERF-AREX experiments
	B2-4-I4 Kenichi Nagaoka	National Institute for Fusion Science	Negative-ion-meniscus response to RF perturbation in an injector-scale negative-ion source
	B2-4-I5 Akira Sasaki	National Institutes for Quantum Science and Technology (QST)	Atomic Processes in laser produced tin plasmas for application to extreme ultra-violet (EUV) lithography
	B2-4-O1 Zafar Iqbal	Government College University, Lahore	Propagation of nonlinear hydromagnetic waves in a cold dusty plasma
	B2-4-O2 Zulfiqar Ahmad Abdul	Wali Khan University Mardan	Analysis of electromagnetic drift waves in inhomogeneous spin degenerate compact object's plasmas
Sep 24(Wed), 14:00-16:10, Room504+505	B2-5-I1 Takuma Yamada	Kyushu University	Observation of transitions in meso-scale structures formed in plasma turbulence
	B2-5-I2 Taiki Kobayashi	Kyushu University	Tomographic observation of solitary wave deformation by nonlinear effects of background asymmetry
	B2-5-I3 Ramesh Narayanan	Indian Institute of Technology Delhi	Exploring the Potential of an ECR Source for Large-Area Hydrogen Negative Ion Production in Fusion Applications
	B2-5-I4 Zijia Chu	Harbin Institute of Technology	Electron stacking phenomenon of residual charges in nanosecond pulsed coaxial dielectric barrier discharge
	B2-5-O1 Donatella Fiorucci	ENEA, Research Center Frascati	Photo-neutralization-based NBI systems for Nuclear Fusion Power Plants
	B2-5-O2 Shahzad Mahmood	Theoretical Physics Division, PINSTECH	Nonlinear ion-acoustic waves in quantum plasmas with arbitrary degeneracy of electrons
	B2-5-O3 Rozina Chaudhary	G. Gulberg College for women (LCW, University)	Wave-particle interactions in quantum plasma
	B2-5-O4 Num Prasad Acharya	Num Central Department of Physics, TU	DUST-ION ACOUSTIC SOLITARY WAVES IN MAGNETIZED DUSTY PLASMA WITH POSITIVE ION-BEAM CURRENT AND DUST CHARGE FLUCTUATIONS FOR NON-ADIABATIC AND ADIABATIC SYSTEMS
Sep 24(Wed), 16:30-18:40, Room504+505	B2-6-I1 Zhehui Wang	Los Alamos National Laboratory	Data-driven dusty plasma research and applications through DustNET
	B2-6-I2 Hanno Kaehlert	Kiel University	Dielectric response and collective modes of strongly coupled plasmas
	B2-6-I3 Reetesh Kumar Gangwar	Indian Institute of Technology Tirupati	Optimization of reactive species generation in nonthermal atmospheric pressure Ar plasma using machine learning methods
	B2-6-I4 Chenyao Jin	Hefei Institutes of Physical Science, CAS	The frequency limits of plasma response to pulsed ion acoustic wave excitation in a multi-dipole confined hot cathode discharge
	B2-6-I5 Chen Zhou	Harbin Institute of Technology	Use of plasma electron spectroscopy method to detect gas particles in nonlocal plasma of short glow discharge
	B2-6-O1 Asma Afzal	Forman Christian College (A Chartered University)	On effective radiational gravity acceleration at the interface of dense plasmas and vacuum
	B2-6-O2 Abdur Rasheed	Govt. College University, Faisalabad	Understanding Dispersion Characteristics and Instability Dynamics of Plasma Modes with Ion Beams in Relativistic Quantum Environments
Sep 25(Thu), 14:00-16:10, Room504+505	B2-7-I1 Fumiaki Mitsugi	Kumamoto University	Application of optical wave microphone for plasma jets
	B2-7-I2 Simon P. H. Vincent	EPFL-SPC	Helicon waves in toroidal geometry
	B2-7-I3 Daiki Nishimura	National Institute for Fusion Science	Rotational movement analysis for cylindrical plasma images obtained with tomography
	B2-7-I4 Atsushi Okamoto	Nagoya University	High temperature bubble phenomenon in ECR plasmas
	B2-7-I5 Akihito Ogawa	Kyoto Institute of Technology	Experimental analysis of the antisymmetric vorticity during convective vortex merging
	B2-7-O1 Geethika B R	Institute for Plasma Research	Analysis of Polarized Emission from Laser Produced Plasma
	B2-7-O2 Maroosh Akhter	Forman Christian College (A Chartered University)	The impact of quantized magnetic pressure on the stimulated Brillouin scattering of electromagnetic waves
Sep 25(Thu), 16:30-18:40, Poster Core Time	B2-P1 Yu Takehiro	Hiroshima university	Amplitude of spontaneous emission of 112-nm Al3+ ion 3s-3p transition in neon-like aluminum laser plasma
	B2-P2 RENJITH KUMAR R	Research Scholar	Study of laser ablation of thin film in rear and front ablation
	B2-P3 Kiyoyuki Yambe	Niigata University	Multi-Layer Flow Structure Formed by Interaction of Plasma and Neutral Gas
	B2-P4 Yuto Kambara	Hiroshima University	Development of plasma window for electron beam welding in atmosphere
	B2-P5 Kosei Iguchi	Kyushu University	Evaluation of Charge of Microparticles in Plasma Using Optical Tweezers
	B2-P6 Rupali Paul	Institute for Plasma Research	Stochastic dust charging in multicomponent plasmas: Impact of energetic electron populations on charge fluctuations
Sep 26(Fri), 14:00-16:30, Room504+505	B2-9-I1 J. Tito Mendonca	Instituto Superior Técnico, Universidade de Lisboa	Twisted Waves in Plasmas: Topology and Applications
	B2-9-I2 Sanat Kumar Tiwari	Indian Institute of Technology Jammu	Turbulence characteristics in dusty plasma
	B2-9-I3 Yuto Toda	SOKENDAI	Comparison of hydrogen atom and hydrogen ion injection onto a tungsten surface using time-dependent density functional theory

B2-9-I4 Jingfeng Yao	Harbin Institute of Technology	Investigation of discharge characteristics of high-energy microwave plasma switches with different electrode spacings
B2-9-O1 Muhammad Adnan	Kohat University of Science and Technology	Excitations of Surface Waves in Spin Polarized Quantum Magneto-Plasma over a Plasma-Vacuum Interface
B2-9-O2 Asma Afzal	Forman Christian College (A Chartered University)	On effective radiational gravity acceleration at the interface of dense plasmas and vacuum

A1 [Plasma Materials and Processing]

Sep 21(Sun), 12:00-13:40, Room402+403	A1-1-I1 Makoto Kambara	University of Osaka	Mesoplasma rejuvenation of waste powders for a novel recirculation loop in advanced additive manufacturing
	A1-1-I2 Hiroshi Furuta	Kochi University of Technology	Shape Control of Carbon Nanotube Forests via Bottom-up Process of Catalyst Nanoparticles
	A1-1-I3 Hiroharu Kawasaki	National Institute of Technology (KOSEN), Sasebo College	Trial of elemental gradient functional thin films preparation by sputtering with mixed powder targets III
	A1-1-I4 Tamiko Ohshima	Nagasaki University	Single cathode combinatorial deposition using powder target by sputtering process
	A1-1-I5 Giichiro Uchida	Meijo University	Fabrication of nanowire film in the plasma sputtering process for Li-ion-battery anode
Sep 21(Sun), 13:30-15:30, Room402+403	A1-1-I6 Osamu Sakai	The University of Shiga Prefecture	Complex network in low-temperature plasma analyzed by Shannon entropy
	A1-1-I7 Mineo Hiramatsu	Meijo University	Plasma synthesis of 3-dimensional graphene-based materials
	A1-1-I8 Masanori Shinohara	Fukuoka University	Graphene growth with high power pulsed plasma
	A1-1-I9 Karol Hensel	Comenius University Bratislava	Effect of pellet catalyst properties on gas cleaning process
	A1-1-O1 Arunsinh Bakulsinh Zala	Nanyang Technological University	α-Alumina Synthesis at Room Temperature Using a Plasma Focus Device for Fusion Blankets
	A1-1-O2 Yanhong Guan	Institute Of Plasma Physics, CAS	Development of boron-coated full-metal wall in EAST for ITER new baseline
Sep 22(Mon), 14:00-16:20, Room402+403	A1-2-I1 Shahid Rafique	University of Engineering and Technology, Lahore	Material Fabrication/ Modification using Atmospheric Pressure Plasmas
	A1-2-I2 Kosuke Takenaka	Osaka University	Enhancement of bonding strength of metals /organic materials direct bonding vis non-equilibrium atmospheric pressure plasma irradiation
	A1-2-I3 Naoki Shirai	Hokkaido University	Self-organized luminescent patterns observed in direct current glow discharge from low pressure to atmospheric pressure
	A1-2-I4 Ruixue Wang	Beijing University of Chemical Technology	Atmospheric-Pressure Low-Temperature Plasma for Thin Film Deposition on Metallic Substrates
	A1-2-I5 Tatsuru Shirafuji	Osaka Metropolitan University	Surface-Launched Plasma Bullet and Its Application
	A1-2-I6 Chuansheng Zhang	Institute of Electrical Engineering, CAS	Improving high-temperature capacitive energy storage of biaxially oriented polypropylene using atmospheric pressure plasma jet
	A1-2-I7 Wenjun Ning	Sichuan University	Atmospheric Pressure Plasma Jet: The free jet and its interacting with surfaces
Sep 22(Mon), 16:20-18:50, Room402+403	A1-3-I1 Shazia Bashir	Government College Women University Sialkot	Laser -induced plasma as a reliable and versatile tool for material processing
	A1-3-I2 Naoto Yamashita	Kyushu University	Large area fabrication of electrically switchable magnetic garnet using a plasma process
	A1-3-I3 Naho Itagaki	Kyushu University	Nucleation-Controlled Sputtering Growth of Epitaxial and Non-Epitaxial Oxide Semiconducting Thin Films
	A1-3-I4 Heeyeop CHAE	Sungkyunkwan University	Plasma Atomic Layer Etching of Metals and Dielectric Materials
	A1-3-I5 Min-Kyu Son	Korea Institute of Ceramic Engineering & Technology	Defect engineering via electron beam annealing treatment for the enhanced activity of electrochemical reactions
	A1-3-I6 Kwang-Ryeol Lee	Korea Institute of Science and Technology	Plasma application for manipulating surface properties by diamond-like carbon coatings and surface modification
	A1-3-O1 Erik V JOHNSON	LPICM, CNRS, Ecole Polytechnique, Institut Polytechnique de Paris	Etching Uniformity and Profile Control in Patterned Plasma System for HJT-IBC Solar Cell Fabrication
	A1-3-O2 Yuan-Ming Chang	Feng Chia University	Residual Stress and Related Properties of TiO2/TiN/TiC Thin Films Deposited by Ion Energy Modulated ALIS and Magnetron Sputtering Hybrid Process
Sep 23(Tue), 14:00-16:20, Room402+403	A1-4-I1 Shota Nunomura	National Institute of Advanced Industrial Science and Technology	Radical, ion, and photon's effects on material damage/defects during plasma etching
	A1-4-I2 Keiichiro Urabe	Kyoto University	Monitoring of low-temperature plasma processes by in-situ impedance spectroscopy
	A1-4-I3 Takayoshi Tsutsumi	Nagoya University	Transport mechanism of active species in high-aspect-ratio hole during plasma etching
	A1-4-I4 Hamid Latif	Forman Christian College, Lahore	Effect of Fluorine-Doped Tin Oxide Target Morphology on Thin Film Deposition by Laser Induced Plasma for Perovskite Solar Cell application.
	A1-4-I5 Kentaro Tomita	Hokkaido University	Studies of EUV light source plasmas based on measurements of electron temperature and electron density
	A1-4-I6 Qing Xiong	Xi'an Jiaotong University	High frequency generation mechanism of DC arc and its detection approach
	A1-4-I7 Sarveshwar Sharma	Institute for Plasma Research	Impact of Electron Bounce-Cyclotron Resonance (ECBR) on Plasma Dynamics in Weakly Magnetized Capacitive Discharges
Sep 23(Tue), 16:20-18:55, Room402+403	A1-5-I1 Long Chen	Dalian Maritime University	Study on plasma instabilities in Hall thrusters: mechanisms and mitigation strategies
	A1-5-I2 Matteo Gherardi	Alma Mater Studiorum – Università di Bologna	Atmospheric pressure plasma polymerization with aerosolized precursors
	A1-5-I3 Deepak Prasad Subedi	Kathmandu University	Dielectric Barrier Discharge and its Application for Surface Treatment of Materials
	A1-5-I4 Takayuki Watanabe	Kyushu University	Multiphase AC arc, fundamentals and applications
	A1-5-I5 Nan Jiang	Dalian University of Technology	The Characteristics of Rotating Dielectric Barrier Discharge and Its Modification Effects of Epoxy Resin/Aluminum Nitride (EP/AlN) Composites
	A1-5-I6 Haw Jiunn Woo	Universiti Malaya	LOW POWER 50 HZ ARGON GLOW DISCHARGE FOR SURFACE MODIFICATION OF POLYSTYRENE AND POLYTETRAFLUOROETHYLENE
	A1-5-I7 Hui Jiang	Chongqing University	Developments and Interactions of the Channels in Surface Dielectric Barrier Discharge
	A1-5-O1 Pradeep Lamichhane	University of warwick	NO_x Production in a Stagnant Liquid Layer Using Combined Submerged Plasma Micro-Jets: Synergistic Effects of Jet Dynamics and Catalysts
Sep 24(Wed), 14:00-16:20, Room 402+403	A1-6-I1 Kai Zhao	Dalian University of Technology	Charged particle dynamics and electron power absorption mode in capacitively coupled argon discharges with different biasing parameters
	A1-6-I2 Bocong Zheng	Beijing Institute of Technology	Transport analysis in capacitively coupled plasmas
	A1-6-I3 Masaya Shigeta	Tohoku University	The Difficulty and Charm of Computational Plasma Fluid Mechanics
	A1-6-I4 Ho Jun Kim	Hanyang University	Analysis of stagnation point flow within an inductively coupled plasma reactor for the enhancement of deposition methodologies
	A1-6-I5 Sanghoo Park	KAIST	Practical issues in tomographic reconstruction of semiconductor processing plasmas
	A1-6-I6 Haruka Suzuki	Nagoya University	Reconstruction of three-dimensional structure of plasma emission using multi-view images
	A1-6-I7 Xuekai Pei	Wuhan University	NO Formation Dynamics in Air Plasma: Advanced Laser Diagnostics
Sep 24(Wed), 16:20-18:50), Room402+403	A1-7-I1 Sirui Li	Eindhoven University of Technology	Integrated Process for Carbon Valorization Using Plasma-Sorbent Systems
	A1-7-I2 Peter Bruggeman	University of Minnesota	Plasma Interactions at the Interface with Liquids, Nanoparticles and Catalytic Surfaces
	A1-7-I3 Liguang Dou	Institute of Electrical Engineering, CAS	Synergistic promotion of vibrant H radicals and targeted Cu/MgAlO interface for CO2 hydrogenation by non-thermal plasma
	A1-7-I4 De-Zheng Yang	Dalian University of Technology	High efficiency NOx synthesis and regulation using dielectric barrier discharge in the needle array packed bed reactor
	A1-7-I5 Oi Lun Helena Li	Pusan National University	New era of plasma engineering for catalytic materials synthesis and their applications
	A1-7-I6 Dengke Xi	Institute of Electrical Engineering,CAS	Plasma-enabled methane conversion to hydrogen and nanocarbon materials
	A1-7-O1 Monika Verma	DELHI TECHNOLOGICAL UNIVERSITY	Effect of Plasma Process Parameters on the Electrical Characteristics of Dual-Gate Graphene Field-Effect Transistors
	A1-7-O2 Abhijit Mishra	Indian Institute of Technology Jodhpur	Variations in Discharge Characteristics of Bipolar Pulsed Cold Atmospheric Plasma Jets Induced by Liquid Conductivity
Sep 25(Thu), 14:00-16:10, Poster Core Time	A1-P1 Hiroharu Kawasaki	National Institute of Technology, Sasebo College	Trial of elemental gradient functional thin films preparation by sputtering with mixed powder targets III
	A1-P2 Masaharu Shiratani	Kyushu University	Kyushu University's Latest Initiatives in EUV Light Source Development for Semiconductor Technology
	A1-P3 Kazuaki Shimpo	Osaka Metropolitan University	Numerical Simulation of Methylene Blue Decomposition using a Microplasma Contactor

	A1-P4 Yuto Yonehara	Meijo University	Effect of substrate on growth of nitrogen doped diamond film with plasma enhanced chemical vapor deposition
	A1-P5 Shumpei Ohara	Kyushu University	Effects of Precursor Gas Molecules on the Deposition Properties of Hydrogenated Amorphous Carbon Films by Plasma Chemical Vapor Deposition
	A1-P6 Kazuki Nagamine	Kyushu University	Effects on Film Properties Caused by He addition to Ar/C2H2 PECVD
	A1-P7 Koji Kuroda	Osaka Metropolitan University	dV/dt Dependence of Characteristics of Surface-Launched Plasma Bullet - A Study up to 356 kV/μs using SiC MOS FETs-
	A1-P8 Shinjiro Ono	Kyushu University	Suppression of Compressive Stress in Hydrogenated Amorphous Carbon Films Using Carbon Nanoparticle-Embedded Sandwich Structures
	A1-P9 Manato Eri	Kyushu University	Analysis of hydrocarbon dissociation processes in CXHY+Ar plasma by quadrupole mass spectrometry
	A1-P10 Hyunil Benjamin Kim	Gwangju Institute of Science and Technology(GIST)	Enhancement of radical uniformity in CCP using a Rogowski electrode and spatial analysis via OES
	A1-P11 Wei Jiang	Huazhong Univeristy of Science and Technology	Multi-Solution Impedance Matching in Capacitively Coupled Plasma
Sep 25(Thu), 16:20-18:50, Room 402+403	A1-9-I1 Hang Wang	Institute of Electrical Engineering, CAS	High-value conversion of waste oil to hydrogen and C2 gases using pulsed discharge plasma
	A1-9-I2 Quan-Zhi Zhang	Dalian University of Technolgoy	Plasma streamer propagation dynamics in gas phase DBD, catalyst pores and SDBD
	A1-9-I3 Nikola Skoro	University of Belgrade	Properties of plasma activated liquids created by using different atmospheric pressure plasma sources
	A1-9-I4 Susumu Toko	University of Osaka	Sorption enhanced methanation with plasma catalysis using various types of zeolites
	A1-9-I5 Keigo Takeda	Meijo University	Surface reactions of reactive species in low temperature plasma
	A1-9-I6 Najeeb Rehman	COMSATS University Islamabad	Advanced Wastewater Treatment Using Underwater Plasma: Insights into Plasma Dynamics and Dye Degradation Efficiency
	A1-9-O1 Shikha Pandey	Indian Institute of Technology Jodhpur	Environmental Friendly Wastewater Treatment through Non-Thermal Plasma: Mechanistic Insights into Dye Degradation
	A1-9-O2 Chun Li	Beijing University of Chemical Technology	Atmospheric Pressure Air Plasma for Efficient Degradation of Aging-related Body Odors
Sep 25(Thu), 16:20-18:55, Room404	A1-10-I1 Yasunori Tanaka	Kanazawa University	Highly-Controlled Thermofluid Fields in Tandem Modulated Induction Thermal Plasmas for High-Rate Nanoparticle Synthesis
	A1-10-I2 Tzu-Ying Lin	National Tsing Hua University	Plasma-Assisted Surface Modification of Energy Storage Materials
	A1-10-I3 Feng Liang	Kunming University of Science and Technology	Multi-scales Modification of Energy Materials by Nonthermal Plasma
	A1-10-I4 Rajdeep Singh Rawat	Nanyang Technological University	Nanostructured Carbon Technologies via Cold/Hot Plasmas for Energy and Media Applications
	A1-10-I5 Manabu Tanaka	Kyushu University	Innovative Thermal Plasma Generation and Its System for Materials Processing
	A1-10-I6 Suresh C. Sharma	Delhi Technological University	Modeling and Simulation of Plasma-Assisted Graphene Field Effect Transistor for Biosensing Applications
	A1-10-I7 Xiaolei Fan	The University of Manchester	On the role of sheath layer in nonthermal plasma catalysis
	A1-10-O1 Soon Han Bryan Teo	Australian National University	Impact of alloying and exposure temperature on He retention and He thermal dynamics in W-based materials
Sep 26(Fri), 14:00-16:10, Room402+403	A1-11-I1 Koichi Sasaki	Hokkaido University	Mechanism of droplet ejection from liquid metals interacting with hydrogen plasmas
	A1-11-I2 Hitoshi Muneoka	Tohoku University	Gas-Liquid Transition and Influence of Density Fluctuations in Supercritical Fluid Plasmas
	A1-11-I3 Takayuki Ohta	Meijo university	Low temperature deposition of metal oxide semiconductor material by high-power impulse magnetron sputtering
	A1-11-I4 Toru Sasaki	Nagaoka University of Technology	Curing Process of Electrically Conductive Adhesives and Formation of Resistant Coatings using Atmospheric Pressure Plasma
	A1-11-I5 Atsushi Ito	National Institute for Fusion Science	Ehrenfest Molecular Dynamics for Quantum Process under Ion Injection onto Solid Surfaces and Seed Coats

A2 [Plasma Life Science]

Sep 21(Sun), 12:00-13:55, Room405+406	A2-1-I1 Kazunori Koga	Kyushu University	Transport of reactive species generated by nonthermal plasma through rice seed husk
	A2-1-I2 Henrike Brust	Leibniz Institute for Plasma Science and Technology (INP)	Application of cold plasma for seed treatments - short- and long-term effects and capacity for inactivation of microorganisms
	A2-1-I3 Kazuo Tsugane	National Institute for Basic Biology	Investigating the activation of transposons in rice seeds treated with cold plasma
	A2-1-I4 Sureeporn Sarapirom	Maejo University	Unleashing the Pharmaceutical Potential and Maximizing Yield of Ilex Rotunda with Plasma-Activated Water in Hydroponics
	A2-1-I5 Hiroshi Hashizume	Nagoya Univ.	Effectiveness of cold plasma for rice cultivation at various growth stages
	A2-1-O1 Sushma Jangra	Indian Institute of Technology Jodhpur	Optimization of Cold Atmospheric Pressure Plasma for Enhanced Nitrogen Species Generation in Soil to Improve Fertility and Wheat Crop Yield
Sep 21(Sun), 14:05-16:05, Room405+406	A2-2-I1 Eric ROBERT	GREMI, CNRS/University of Orleans	Cross talk between plasma jets and targets for life science applications
	A2-2-I2 KOICHI TAKAKI	Iwate University	Function of high-voltage stimulation on fruiting body formation of Basidiomycota
	A2-2-I3 Rasa Zukiene	Vytautas Magnus University	Phytohormone response to cold plasma in seeds, leaves, and flowers
	A2-2-I4 Takamasa Okumura	Kyushu University	Cutting-edge research into induction of plant responses by irradiation of atmospheric pressure plasma
	A2-2-I5 Mahesha Manjunatha	Poojary University of Copenhagen	Application of plasma technology in grain treatments for studying the effects of their oxidation (tentative title and topic)
	A1-2-I8 Yoko Otsubo	The University of Tokyo	Molecular mechanisms underlying cellular responses to plasma irradiation in fission yeast
Sep 22(Mon), 14:00-16:10, Room405+406	A2-3-I1 Hiroshi Ehara	Nagoya University	Phenotypic changes induced by the application of low-temperature plasma treatments in various crop species
	A2-3-I2 Yoshihisa Ikeda	Ehime University	Plasma Specialization for Molecular introduction into Plant calls
	A2-3-I3 Kazuya Ishikawa	Ritsumeikan University	Elucidation of adaptation mechanism of rice to environmental stress through cold plasma treatment
	A2-3-I4 Muhammad Shafiq	University of Peshawar	PRESERVATION OF FRUITS AND VEGETABLES USING INHOUSE PLASMA OZONE GENERATOR
	A2-3-I5 Tomonori SUDO	Ritsumeikan Asia Pacific University	Expectations for Plasma Agri to achieve Sustainable Development
	A2-3-O1 Ritesh Mishra	Indian Institute of Technology Jodhpur	Cold Plasma-Assisted Pectin Extraction from Dragon Fruit Peels: A Novel Approach to Enhance Film Mechanical Properties
	A2-3-O2 Ahmed Khacef	GREMI, CNRS-Université de Orléans	Cold Plasma Technology for the Prevention of Postharvest Grain Losses
Sep 22(Mon), 16:30-18:40, Room405+406	A2-4-I1 Stephan Reuter	Polytechnique Montreal	Applications of atmospheric pressure plasmas in hydroponics (tentative title and topic)
	A2-4-I2 Nobuyuki Uozumi	Tohoku University	Nitrogen gas fertilization via plasma technology to promote plant growth
	A2-4-I3 Rajesh Prakash Guragain	Sagarmatha College of Science and Technology	Enhancement of Seed Germination and Growth through Non-Thermal Plasma Treatment: A Sustainable Approach for Agriculture
	A2-4-I4 Shoko Tsuboyama	Tokyo University of Science	Immediate Responses and Growth Enhancement Triggered by Cold Plasma Irradiation in the Model Plant Marchantia polymorpha
	A2-4-I5 Yuki Yanagawa	Chiba University	Atmospheric-pressure plasma promoted germination and growth in Sorghum bicolor
	A2-4-O1 Santosh Dhungana	Tribhuvan University	Plasma-activated water (PAW) from a customized power system: generation, analysis, and plant growth enhancement
	A2-4-O2 Quoc An Ha Than	Institute of Advanced Technology, VAST	The Impact of Plasma Activated Seawater on Postharvest Sea Grapes Caulerpa lentillifera
Sep 23(Tue), 14:00-16:10, Room405+406	A2-5-I1 Katsuhisa Kitano	Osaka University	Identification of key chemical species in plasma-treated water for effective and safe disinfection
	A2-5-I2 Miran MOZETIC	Jozef Stefan Institute	Cold plasma within a stable supercavitation bubble - a breakthrough technology for efficient inactivation of viruses in water
	A2-5-I3 Samira tajiknezhad	Gonbad Kavous University	Effects of corona discharge plasma on the disinfection of Whey
	A2-5-I4 Michihiko Nakano	Kyushu University	Novel biological indicator using DNA-labeled microbeads for evaluating nonthermal plasma sterilization
	A2-5-I5 Nagendra Kumar Kaushik	Kwangwoon University	Plasma-Generated Nitric Oxide Water for Biological Applications: Infection Control and Cosmetic Innovations
	A2-5-O1 Raju Bhai Tyata	Khwopa College of Engineering	Electrical and Optical Characterization of Dielectric Barrier Discharge and its Application in Water Treatment
	A2-5-O2 Otamurot Rajabov	Arifov Institute of Ion-Plasma and Laser Technologies	Atomistic modeling of cold atmospheric plasma effects on antibiotic removal from wastewater: A case study with amoxicillin
Sep 23(Tue), 16:30-18:40, Room405+406	A2-6-I1 Alexander Fridman	Drexel University, Nyheim Plasma Institute	Non-Thermal Plasma in Liquids: from Chemical and Biological Water Cleaning to Synthesis of New Materials in Liquid Nitrogen
	A2-6-I2 Hiromasa Tanaka	Nagoya University	Unraveling the Biological Effects of Plasma-Activated Solutions: From Basic Science to Applications
	A2-6-I3 Romolo Laurita	Alma University of Bologna	Production and chemical composition of Plasma Activated Water (PAW) used for pathogen treatment in food products and packaging
	A2-6-I4 Ruonan Ma	Zhengzhou University	Plasma-activated water as potential green adjuvant to enhance the insecticidal activity of pesticides against cotton aphids
	A2-6-I5 Yuzuru Ikehara	Chiba University	Plasma application will open the research to analyze life activity directly observed using an optical microscope by electron microscope.
	A2-6-O1 Duc Ba Nguyen	Duy Tan University	Role of liquid dielectric and its application for developing a dielectric barrier discharge configuration for cold plasma jet generation
	A2-6-O2 Alam Md Jahangir	Shizuoka University	Drug Delivery in Brain Endothelial Cells by Cold Atmospheric Microplasma
Sep 24(wed), 14:00-16:10, Room405+406	A2-7-I1 Seong Ling Yap	Universiti Malaya	Scalable and Gas-Free Plasma Systems for Extreme Biofilm Eradication
	A2-7-I2 Shinya Kumagai	Meijo University	A micro perfusion system for promoted cell growth using plasma exposure through micro air-liquid interface
	A2-7-I3 Ram Prakash	Indian Institute of Technology Jodhpur	Non-equilibrium Cold Plasma Technologies for Health and Environmental Applications
	A2-7-I4 Dheerawan Boonyawan	Chiang Mai University	Phenotypic Traits (skin discoloration) in the Nile Tilapia (Oreochromis niloticus): Air Plasma-Exposed Media on Hatching Stage Study
	A2-7-O1 Jaroslav Kristof	Shizuoka University	Reactive oxygen species influence on plasma-treated HL-60 cells
	A2-7-O2 Hirofumi Kurita	Toyohashi University of Technology	Enhancement of cell death by combination of cold atmospheric plasma irradiation and pulsed electric field application
	A2-7-O3 Masafumi Jinno	Ehime University	Electrical Equivalent Circuit Network-Based Study of Programmed Cell Death Induced by Plasma-Injected Electric Energy
	A2-7-O4 Bhargavi Sharma	Delhi Technological University	Dielectric Modulated Triple Metal- Plasma Assisted - Carbon Nanotube Field Effect Transistor (TM-PA-CNTFET) Biosensor for Detection of Various Biomolecules
Sep 24(Wed), 16:30-18:40, Room405+406	A2-8-I1 Hideo Fukuhara	Kochi University	Immune response induced by atmospheric pressure low-temperature plasma for bladder cancer
	A2-8-I2 Jamoliddin Razzokov	National Research University	Cold Atmospheric Plasma as a Modulator of Immune Checkpoints: Targeting PD-1 and PD-L1/PD-L2 interaction via Molecular Dynamics
	A2-8-I3 Hamid Hosano	Kumamoto University	Drug/gene delivery by pulsed power: From pulse electric fields (PEFs) to pulse laser breakdowns
	A2-8-I4 Zhitong Chen	Shenzhen Institute of Advanced Technology, CAS	Plasma delivery systems for cancer treatment
	A2-8-I5 HAJIME SAKAKITA	Meijo University	International Standard for Commercialization as Regulatory Science
	A2-8-O1 Jalaj Jain	Comisión Chilena de Energía Nuclear	Ultra high-dose rate X-ray pulses emitted from a kilojoule plasma focus device induce larger cancer cell deaths than the conventional X-ray irradiation: Preliminary single dose and fractionation studies
	A2-8-O2 Kazuo Shimizu	Shizuoka University	Application of Atmospheric Microplasma for Nose to Brain Drug Delivery
Sep 25(Thu), 14:00-16:10, Poster Core Time	A2-P1 Sudeep Bhattacharjee	Indian Institute of Technology - Kanpur	Cold atmospheric pressure micro-plasma jet in a transverse magnetic field : effect of field induced plasma water activation on seedling growth
	A2-P2 Heping SHI	Kyushu University	Visualization of Two-Dimensional Colorimetric Reactions of Reactive Oxygen Species Using KI-Starch Reagent
	A2-P3 Zita Nauciene	Vytautas Magnus University	The effects of different gas phase composition low-pressure plasma treatment of red clover (Trifolium pratense) seeds on seed germination and morphological parameters of seedlings
	A2-P4 Rukhsora Akramova	National Research University TIIAME	Selective Disruption of E-Cadherin–E-Cadherin Interactions in Inflammatory Breast Cancer Using Cold Atmospheric Plasma

Sep 25(Thu), 16:30-18:40, Room405+406	A2-9-I2 Toshiyuki Kawasaki	Nishinippon Institute of Technology	Control of liquid flows generated by plasma–liquid interactions
	A2-9-I3 Takehiko Sato	Tohoku University	High-speed nanodroplets for innovation in water utilization
	A2-9-I4 Yoko Yamanishi	Kyushu University	Emergent Functions of Plasma-induced Bubble
	A2-9-I5 Shota Sasaki	Tohoku University	Controlled generation of air plasma-derived reactive nitrogen species and its agricultural applications
	A2-9-I6 Nozomi Takeuchi	Institute of Science Tokyo	Plasma-ozone combination process for decomposition of persistent organic compounds with efficient generation of hydrogen peroxide
Sep 26(Fri), 16:30-18:40, Room405+406	A2-10-I1 Kathrina Lois Taaca	University of the Philippines Diliman	Impact of Sterilization and Bioactivity of Plasma-activated Hybrid Hydrogels
	A2-10-I2 Suraj Kumar Sinha	Pondicherry University	Cold Plasma for Rapid Soil Nitrification
	A2-10-I3 Pankaj Attri	Kyushu University	Computational Investigation of Plasma-Induced Oxidative Modifications on Heat Shock Protein Structure
	A2-10-I4 Akiyo Tanaka	Kyushu University	Assessment of the health effects of indium compounds in experimental animals
	A2-10-I5 VIKAS RATHORE	Walailak University	Green Fertilizers (urea and ammonium nitrate) Synthesis via Plasma-Liquid Interaction

L1 [ICF, HEDS, Laboratory Astro Physics]

Sep 22(Mon), 14:00-16:10, Room411	L1-1-I1 Huibo Tang	Harbin Institute of Technology	Laboratory observation of ion drift acceleration of laser-produced magnetized collisionless shocks
	L1-1-I2 Jin Matsumoto	Fukuoka University	Magnetic field amplification in chiral magnetohydrodynamic simulation
	L1-1-I3 Michael Grech	Ecole Polytechnique	Electron-positron-photon cascades in strong electromagnetic and in matter as a path toward pair plasma production
	L1-1-I4 Shinji Koide	Kumamoto University	Instability of current sheet in low-density plasma around the anchor region of relativistic jets of AGNs
	L1-1-I5 Keita Seto	Japan Atomic Energy Agency	Plasma kinetic model of nonlinear scalar QED particles in high-intensity laser pulse
	L1-1-O1 Yuki Amano	ISAS/JAXA	A Laboratory plasma experiment for application to X-ray astronomy using a compact electron beam ion trap (EBIT)
	L1-1-O2 Po-Yu Chang	National Cheng Kung University	Experimental Study of the Criteria for Rod Explosion in Pulsed Power Discharges
Sep 22(Mon), 16:30-18:40, Room411	L1-2-I1 Chengzhuo Xiao	Hunan University	Spatial distributions of laser-plasma instability in the beam overlapping region
	L1-2-I2 Matthew Edwards	Stanford University	Diffractive Plasma Optics for Compact Ultra-High-Power Femtosecond Lasers
	L1-2-I3 Byoung-ick Cho	Gwangju Institute of Science and Technology	Frustrated Brunel Heating by Relativistic Gyromagnetic Effects in Ultraintense Laser-Matter Interactions
	L1-2-I4 Mario Manuel	General Atomics	Integration and testing of advanced algorithms for controlling high-energy-density physics experiments
	L1-2-I5 Yin Shi	University of Science and Technology of China	Generation of 10 kT axial magnetic fields using multiple conventional laser beams: A sensitivity study for kJ PW-class laser facilities
	L1-2-O1 Devdigvijay Singh	Stanford University	Light-Structuring Plasma Holograms
	L1-2-O2 TARANJOT SINGH	Dav University, Jalandhar	Second harmonic generation of high power Cosh-gaussian laser beam in Cold Quantum Plasma
Sep 23(Tue), 14:00-16:10, Poster Core time	L1-P1 Yuka Doke	The University of Tokyo	Experimental Study of Solar Flare Mechanism by Use of Torus Plasma Merging
	L1-P2 Kaichi Iida	The University of Osaka	Development of a Diagnostic Method for Non-Equilibrium Plasma Using Thomson Scattering
Sep 23(Tue), 16:30-18:40, Room411	L1-4-I1 Yasiaki Kishimoto	Kyoto University	Overview
	L1-4-I2 Sergey Bulanov	ELI-ERIC, ELI-Beamlines	Journey Through the World of Nonlinear Waves
	L1-4-I3 Hiroshi Azechi	Osaka University	Final Work: Integral Model of Hydrodynamic Instabilities in Inertial Fusion Implosions
	L1-4-I4 Natsumi Iwata	The University of Osaka	Laser plasma physics from particle motion to macroscopic transport
	L1-4-I5 Alexey Arefiev	University of California, San Diego	In the spirit of Professor Mima's vision for US–Japan collaboration: Discovery of a self-organized gamma-gamma collider
	L1-4-I6 Kimitaka Itoh	Chubu University	In memory of Prof. Mima - Fusion Science in His Days
Sep 24(Wed), 14:00-16:10, Room411	L1-5-I1 Liang Sun	Laser Fusion Research Center, CAEP	Boron Nitride at 500–1600 GPa: Laser-Driven Shock Compression Reveals Phase Transitions, Melting, and Dual Applications in Fusion and Planetary Science
	L1-5-I2 Gabriele Cristoforetti	Intense Laser Irradiation Laboratory, INO-CNR	Experimental investigations of laser-plasma instabilities and of mitigation strategies at Shock Ignition laser intensities
	L1-5-I3 Amitava Adak	Indian Institute of Technology (ISM) Dhanbad	Ultrafast dynamics in intense femtosecond laser-driven dense plasmas
	L1-5-I4 Chiharu Nakatsuji	ILE, The University of Osaka	Dependences of the density-scale-length on parametric instabilities and hot-electron generation toward Shock Ignition scheme
	L1-5-I5 Michael Lavell	University of Rochester	Kinetic simulations of fusion burn propagation
Sep 24(Wed), 16:30-18:40, Room411	L1-6-I1 Omar Hurricane	Lawrence Livermore National Laboratory	Achieving Target Gain of 2.5 in Inertial Confinement Fusion Plasmas
	L1-6-I2 Clément Goyon	Lawrence Livermore National Laboratory	A cohesive U.S. strategy to achieving Inertial Fusion Energy
	L1-6-I3 Cliff Thomas	University of Rochester	Hybrid target design for IFE
	L1-6-I4 Neil Alexander	General Atomics	Target Fabrication for Inertial Fusion Energy
	L1-6-I5 Mayuko Koga	University of Hyogo	Development of Fuel Target Injection Systems for Fast Ignition
	L1-6-O1 Aurélia Maïolo	CELIA, University of Bordeaux-CNRS-CEA	Design of ICF Targets for Energy Production - TARANIS Project
	L1-6-O2 Qianlei Du	SJTU	Machine Learning Optimization of Room-Temperature Target for Laser Inertial Fusion Energy
Sep 25(Thu), 14:00-16:10, Room411	L1-7-I1 Takashi Kikuchi	Nagaoka University of Technology	Study on Peripheral System and Issues for Heavy–Ion Inertial Fusion Reactor
	L1-7-I2 Yuchi Wu	National Laser Fusion Research Center, CAEP	Development of the hot spot RKE diagnostics with an orthogonal nTOF sightlines
	L1-7-I3 Wei-Min Wang	Renmin University of China	Laser parameter design for DCI laser fusion
	L1-7-I4 Naoki Okuda	Osaka University	Efficient heating of high-density plasmas by thermal diffusion with kinetic particle transport
	L1-7-I5 Tomoyuki Johzaki	Hiroshima University	Neutronic effects on ignition and burn dynamics in fast ignition laser fusion
	L1-7-O1 Yasuhiko Sentoku	ILE, The University of Osaka	Fast heatwave ignition in laser fusion
Sep 25(Thu), 16:30-18:40, Room411	~~L1-8-I1 Arghya Mukherjee~~	~~Amity School of Physical Sciences, Amity University~~	~~Laser driven high-energy ion beam generation using ultrathin composite targets~~
	L1-8-I2 Nicholas Dover	Imperial College London	Developing a novel platform for investigating intense near-critical-density laser plasma interactions
	L1-8-I3 Hayato Yanagawa	Osaka University	Study on propagation characteristics of relativistic laser light in overcritical density plasma
	L1-8-I4 David Blackman	ELI ERIC Beamlines Facility	Laser beam smoothing techniques including the use of broadband width signals and their effect on high energy density plasmas
	L1-8-I5 Yuji Takagi	ILE, Osaka University	Relativistic electron production by stochastic laser-plasma interaction in sub-relativistic intensity regime
	L1-8-O1 Nathan Smith	University of York	Surrogate modelling of X-Ray emission and Positron production in Laser-Plasma interactions
	L1-8-O2 Zi-Yu Chen	Sichuan University	Extreme field generation and high-quality proton acceleration driven by Bessel-Gaussian lasers
	L1-8-O3 Qing Wang	Institute of Applied Physics and Computational Mathematics	The origins of hot electron generation in planar target hybrid drive experiments at SG-100kJ Facility
Sep 26(Fri), 14:00-16:10), Room411	L1-9-I1 Siegfried Glenzer	SLAC National Accelerator Laboratory	The Dawn of Inertial Fusion Energy research
	L1-9-I2 G. Elijah Kemp	Lawrence Livermore National Laboratory	First demonstration of a layered direct-drive inertial confinement fusion target on the National Ignition Facility
	L1-9-I3 Chao Tian	Laser Fusion Research Center, CAEP	Interface slit-induced implosion asymmetry in double-shell targets: Time-resolved high-energy X-ray radiography with 10-μm spatial resolution
	L1-9-I4 Bin Qiao	Peking University	Electron Stochastic and Shock Acceleration in Laboratory-Produced Turbulent Plasmas
	L1-9-O1 Zhu Lei	Institute of Applied Physics and Computational Mathematics	Laboratory evidence of confinement and acceleration of wide-angle flows by toroidal magnetic fields
	L1-9-O2 Wei Liu	Laser Fusion Research Center, CAEP	Diagnostics of the electron temperature distribution of hot spot using a four-color quasi-monochromatic X-ray Kirkpatrick-Baez microscope

L2 [LWFA/PWFA, Photon beam Science]

Sep 22(Mon), 14:00-16:10, Room412	L2-1-I1 John Farmer	Max-Planck-Institute for Physics	AWAKE: harnessing plasma instabilities for high-gradient acceleration
	L2-1-I2 Hyyong SUK	Gwangju Institute of Science and Technology	Recent progress in the laser pulse compression experiment using a plasma with a density gradient
	L2-1-I3 Brendan O'Shea	SLAC	Plasma Wakefield Acceleration, FACET-II and a Wakefield Collider
	L2-1-I4 Feng Zhang	Laser Fusion Research Center (LFRC), CAEP	Muon Production and Acceleration with Ultrashort High Intensity laser
	L2-1-I5 Mathieu Dumergue	LULI	The APOLLON laser facility : Current status and scientific outcomes at multi-PW level
	L2-1-O1 Arun Kumar R M	Indian Institute of Technology Hyderabad	High-Energetic Alpha Particles generation through Proton-Boron fusion reactions by Intense Laser Plasma Interaction
Sep 22(Mon), 16:30-18:40, Room412	L2-2-I1 Jorge Vieira	Instituto Superior Técnico	Superradiant light sources based on plasma accelerators in the nonlinear blowout regime
	L2-2-I2 Zhan Jin	SANKEN, Osaka University	Advancing Laser Wakefield Acceleration: Toward a Compact Tabletop XUV Free-Electron Laser
	L2-2-I3 Taiwu Huang	Shenzhen Technology University	Control of laser-driven relativistic electron beams and its application in generating compact radiation sources
	L2-2-I4 Alexander Pirozhkov	KPSI-QST	BISER: Towards Terawatt compact coherent x-ray source
	L2-2-I5 Dominika Maslarova	Chalmers University of Technology	Batch Bayesian optimization of attosecond betatron pulses from laser wakefield acceleration
	L2-2-O1 AMAR PAL	Indian Institute of Technology Hyderabad	High Harmonic Generation using Plasma Wedge Target
Sep 23(Tue), 16:30-18:40, Room412	L2-4-I1 Hyung Taek KIM	APRI-GIST	Recent Advances in Electron Acceleration and Gamma-Ray Generation with 4 PW laser at CoReLS
	L2-4-I2 Mohammad Mirzaie	Center for Relativistic Laser Science, IBS	Pursuing Strong-Field QED Studies with multi PW lasers
	L2-4-I3 Xing-Long Zhu	Zhejiang University	Efficient generation of extremely dense gamma-rays and polarized lepton beams in plasmas
	L2-4-I4 Yan-Fei Li	Xi'an Jiaotong University	Numerical Investigation of Polarization Dynamics in Strong-Field QED
	L2-4-I5 Wenpeng Wang	Shanghai Institute of Optics and Fine Mechanics, CAS	Isolated Attosecond γ-Ray Pulse Generation with Transverse Orbital Angular Momentum Using Intense Spatiotemporal Optical Vortex Lasers
	L2-4-O1 Dang Khoa Tran	National Tsing Hua University	Enhanced intensity of betatron radiation from few-TW LWFA with an asymmetric density profile in a sub-mm gas jet
Sep 24(Wed), 14:00-16:10, Room412	L2-5-I1 Lance Labun	U. Texas	Laser wakefield accelerators for industry
	L2-5-I2 Ming Zeng	Institute of High Energy Physics, CAS	Capillary discharge plasma channels for laser pulse guiding and active lensing charged particle beams
	L2-5-I3 Madezda Bobrova	Czech Technical University in Prague	Capillary discharge plasma channels for laser pulse guiding and active lensing charged particle beams
	L2-5-I4 Xinzhe Zhu	Shanghai Jiao Tong university	High energy electron acceleration and mid-infrared radiation in curved plasma channel
	L2-5-I5 Gabriele Grittani	Extreme Light Infrastructure ELI	High energy High repetition rate electron beams at ELI Beamlines
	L2-5-O1 YAN-Jun GU	Osaka University	Generation of Highly Stable Electron Beam in LWFA via Shock Injection
Sep 24(Wed), 16:30-18:40, Room412	L2-6-I1 Pisin Chen	NTU	Black hole Hawking evaporation and the AnaBHEL experiment
	L2-6-I2 Bernhard Hidding	Heinrich-Heine-University Düsseldorf	Hybrid Laser-Plasma Wakefield Acceleration: Harnessing the Best of Both Worlds
	L2-6-I3 Lance Labun	U. Texas	Particle production and vacuum structure in QED
	L2-6-I4 Zhenming Sheng	SJTU	Brilliant gamma-ray emission driven by laser and electron beams in plasma
	L2-6-I5 Yasuhiro Kuramitsu	Osaka University	Model experiments of cosmic ray acceleration using intense lasers
	L2-6-I6 Jiayong Zhong	Beijing Normal University	Recent Advances in Laboratory Astrophysics at Shenguang-II Laser Facilities
Sep 25(Thu), 14:00-16:10, Room412	L2-7-I1 Tsuneyuki Ozaki	INRS-EMT	High-order harmonics generation and attosecond dynamics in laser-produced plasma
	L2-7-I2 Yao-Li Liu	National Cheng Kung University	Tomographic Measurement and Quasi-Phase Matching of High-Order Harmonic Generation via the Selected-Zoning Method
	L2-7-I3 Aurélien Houard	CNRS, ENSTA, Ecole polytechnique	Steering laser-produced THz radiation in air with superluminal ionization fronts
	L2-7-I4 Seong Hee Park	Korea University	R&Ds of Compact, hybrid-type sub-THz Wakefield Accelerator
	L2-7-I5 Linzheng Wang	Shanghai Jiao Tong University	Terahertz Vortices with Tunable Topological Charges from a Laser-Plasma Channel
	L2-7-I6 Seongjin JEON	Gwangju Institute of Science and Technology	Improved Terahertz Detection Based on Terahertz Field-Induced Second Harmonic Generation
Sep 25(Thu), 16:30-18:40, Room412	L2-8-I1 Dong Wu	Shanghai Jiao-Tong University	Mechanisms behind the surprising observation of supra-thermal ions in fusion burning plasmas
	L2-8-I2 Zheng Gong	Institute of Theoretical Physics, CAS	Laser wakefield acceleration of ions with a transverse flying focus
	L2-8-I3 Ke Jiang	Shenzhen Technology University	Porous Foam: Bridging High-Energy-Density Physics and Complex System Sciences
	L2-8-I4 Subhasish Bag	Indian Institute of Technology Delhi (IIT Delhi)	Investigation of the dynamics of finite size plasma
	L2-8-O1 Hui Zhang	Shanghai Institute of Optics and Fine Mechanics, CAS	PW femtosecond lasers driven high-quality proton acceleration
	L2-8-O2 Clément Lacoste	INRS	Optimization and application of helical coil target with varying geometry and screen tube
	L2-8-O3 Bhuvanesh Ramakrishna	Indian Institute of Technology Hyderabad	Observation of change in bulk plasma temperature with Laser polarization
Sep 26(Fri), 14:00-16:10, Room412	L2-9-I1 Yipeng Wu	Shanghai Jiao Tong University	Plasma-based generation and manipulation of intense structured laser pulses
	L2-9-I2 Yang Wan	Zhengzhou University	Recent progress on laser-driven Very High Energy Electron radiotherapy
	L2-9-I3 MinSup Hur	UNIST	Plasma Photonics for Generation of Exawatt to Zettawatt Laser Pulses
	L2-9LI4 Jaehoon Kim	Korea Electrotechnology Research Institute	Current Research Status of Laser Wakefield Accelerator for Cancer Treatment
	L2-9-I5 Jie Feng	Shanghai Jiao Tong University	Laser Plasma Accelerating Electron Beam for Nuclear Applications
	L2-9-O1 Baris Emre Bingol	University of Strathclyde	LWFA-Driven Photonuclear and Photo-Spallation Reactions for Production of Medical Radionuclides
	L2-9-O2 Jyoti Rajput	Lovely Professional University	Impact of Static Magnetic Field Configurations on IFEL-Driven Electron Acceleration in a Magnetized Ion Channel

SG [Space plasma & Geomagnetism]

Sep 22(Mon), 14:00-16:10, Room503	SG-1-I1 Qiaofeng Zhang	University of Science and Technology of China	Laboratory observations of particle heating and acceleration during electron-only magnetic reconnection
	SG-1-I2 Shan Wang	Peking University	New insights on the high reconnection rate and diminishment of ion outflow in reconnection
	SG-1-I3 Kai Huang	Harbin Institute of Technology	Secondary reconnection between interlinked flux tubes driven by magnetic reconnection with a short x-line
	SG-1-I4 Nehpreet Walia	Los Alamos National Laboratory	The Scaling of Particle Acceleration During Asymmetric Reconnection
	SG-1-I5 Xianglei He	Harbin Institute of Technology	Numerical analysis of three-dimensional magnetopause-like reconnection properties by iPIC3D simulation for SPERF-AREX
	SG-1-I6 Kui Jiang	Wuhan University	Interactions between dipolarization front and magnetic reconnection: MMS observations
	SG-1-O1 Victor Munoz	Universidad de Chile	Community Structure Of Earth's Magnetic Field Measurements
Sep 22(Mon), 14:00-16:10, Room503	SG-2-I1 Fumiko Otsuka	Kyushu University	Time series analysis of electron acceleration in quasi-perpendicular shock transition regions
	SG-2-I2 Qiyang Xiong	Wuhan	Guide Field Dependence of Energy Conversion and Magnetic Topologies in Reconnection Turbulent Outflow
	SG-2-I3 Quanming Lu	University of Science and Technology of China	Two-dimensional Particle-in-cell Simulation of Magnetic Reconnection in the magnetosheath
	SG-2-I4 Shuichi Matsukiyo	Kyushu University	Power laser experiment of magnetized shock: Reflected ions and nonstationarity
	SG-2-I5 Rodrigo Miranda	University of Brasilia	Observation of complexity-entropy in the Earth's plasma sheet
	SG-2-O1 Ruolin Wang	the University of Tokyo	High-Frequency Wave Generation at Earth's Bow Shock: Insights from Shock-Driven Electron Acceleration
	SG-2-O2 Andrea Larosa	ISTP-CNR	Wavelet-based modeling of the heliospheric turbulent magnetic field
Sep 23(Tue), 14:00-16:10, Room503	SG-5-I1 MNS Qureshi	Government College University	Cluster Observations of Whistler Waves and Associated Non-Maxwellian Velocity Distributions
	SG-5-I2 Jinsong Zhao	Purple Mountain Observatory, CAS	Resonant and nonresonant wave-particle interactions in the mirror and firehose instabilities
	SG-5-I3 Robert Rankin	University of Alberta	Auroral Beading and Magnetospheric ULF Waves
	SG-5-I4 Satoshi Kurita	Kyoto University	Activity of plasmaspheric hiss waves during the May 2024 Gannon storm observed by the Arase satellite
	SG-5-I5 Jinghuan Li	Swedish Institute of Space Physics (IRF), Uppsala	Direct observations of cross-scale wave-particle energy transfer in space plasmas
	SG-5-I6 Ioannis Kourakis	Khalifa University	Electrostatic Solitary Waves in Space Plasmas: Recent Advancements and Applications in Planetary Magnetospheres
	SG-5-I7 Ammarah Sheikh	Government Jinnah Islamia Graduate College Sialkot	Revisiting the analytical and numerical analysis of Bump on tail Instability by reduced Cairns distribution
Sep 23(Tue), 16:30-18:40, Room503	SG-6-I1 Yikai Hsich	Kyoto University	Formation of the Spectral Gap Around 0.5fce of Whistler-Mode Chorus Waves in the Earth's magnetosphere
	SG-6-I2 Xueyi Wang	Auburn University	EMIC waves and associated particle dynamics in the inner Earth's Magnetosphere
	SG-6-I3 Bofeng Tang	National Space Science Center, CAS	Effect of evolving turbulence on the diffusion coefficients of wave-particle interaction associated with whistler model wave
	SG-6-I4 Yuto Katoh	Tohoku University	CubeSat project PCUBE for probing, controlling, and understanding of radiation belt environments
	SG-6-I5 Si Liu	Changsha University of Science and Technology	Nonlinear Interactions Between Chorus and ECH Waves in the Inner Magnetosphere
	SG-6-I6 Tsubasa Kotani	Kyoto University	Harmonic structure of lower hybrid and upper hybrid waves driven by energetic particles
	SG-6-I7 Muhammad Sarfraz	GC University Lahore	Quasilinear theory for the collective and collisional processes: A fundamental explanation of "Electron Brazil Plot"
Sep 24(Wed), 14:00-16:10, Room503	SG-3-O1 Peter Yoon	University of Maryland College Park	Magnetospheric radio and plasma wave emissions: Quasilinear analysis of Juno spacecraft data
	SG-3-O2 Yoshiharu Omura	Kyoto University	Nonlinear Wave Growth of Whistler-mode Hiss Emissions in the Plasmasphere
	SG-3-O3 Li Li	China University of Geosciences (Beijing)	Modulation of Lower Hybrid and ECH Waves by Ultra-low Frequency (ULF) Waves in the Earth's Magnetosphere
	SG-3-O4 Qiang Hu	The University of Alabama in Huntsville	Small-scale Magnetic Flux Ropes across Earth's Bow Shock
	SG-3-O5 Shubhangi Lagad	Indian Institute of Geomagnetism	Banded Electron Cyclotron Waves at Earth's Magnetopause
	SG-3-O6 Tomo-Hiko Watanabe	Nagoya University	Gyrokinetic simulation of auroral arc growth in a dipole field
	SG-3-O7 JOHAN SHARMA	Indian Institute Of Technology Hyderabad	Electron scale current sheets in kinetic Alfvén wave turbulence
	SG-3-O8 Kshama Tiwari	Banaras Hindu University	Multi-instrument study on the Great American Solar Eclipse
	SG-3-O9 Sebastián Saldivia	University of Chile	The effect of plasma expansion on the dispersion properties of MHD waves
	SG-5-O10 Dedong Wang	GFZ Helmholtz Center for Geosciences	Electromagnetic Waves and Their Effects on Energetic Electrons in the Inner-magnetosphere
	SG-5-O11 Manpreet Singh	Southwest Jiaotong University	Quantifying Electrostatic Wave-particle Interactions and Plasma Heating at Earth's Bow Shock Using MMS Observations
Sep 24(Wed), 16:30-18:40, Room503	SG-4-I1 Ryo Kono	Kyushu University	Plasma two-fluid simulation using Physics-Informed Neural Networks
	SG-4-I2 Breno Raphaldini	University of Sao Paulo	MHD Rossby waves and the analogy between solar magnetic activity and the Earth's weather
	SG-4-I3 Ryoya Sakata	Tohoku University	Effects of a planetary magnetic field on ion escape from ancient Mars based on 3D global multifluid MHD simulations
	SG-4-I4 Gang Li Macau	University of Science and Technology	Effect of Forbush Decrease on Global Electric Circuit–
	SG-4-I6 Sadia Zaheer	Forman Christian College (Chartered University), Lahore	Exploring the wave modes from charged particles in space plasmas; theory and observation.
	SG-4-I7 Nazish Rubab	University of Central Punjab	Influence of secondary electron emission on plasma-surface interactions in the low Geostationary orbit environment
Sep 24(Wed), 16:30-18:40, Poster Core Time	SG-P1 Kyung Sun Park	CBNU	Global MHD simulation of magnetospheric dynamics: comparison between the terrestrial and Jovian planets
	SG-P2 Masatomi Iizawa	Technische Universität Braunschweig	Magnetic helicity observations in the inner heliosphere
	SG-P3 Tohru Shimizu	RCSCE, Ehime University	Linear Theory of Tearing Instability with the improved WKB approximation
	SG-P4 Breno Raphaldini	University of Sao Paulo	MHD Rossby waves and the analogy between solar magnetic activity and the Earth's weather
Sep 25(Thu), 14:00-16:10, Room503	SG-7-I1 Jing Jiao	National Space Science Center, CAS	Equatorward wind driven significant upwelling of the Thermosphere-Ionospheric Ca+ layer over middle latitude during the November 2023 strong geomagnetic storm
	SG-7-I2 Ajeet Kumar Maurya	Babasaheb Bhimrao Ambedkar University	Identification of major ionizing sources for D-region ionization using VLF signal amplitude during solar flare emission event
	SG-7-I3 Binzhang Zhang	University of Hong Kong	Transition from a Dungey convection- to rotation-dominated magnetosphere: Implications of magnetic topology and auroral morphology
	SG-7-I4 Hyuckjin Kwon	Korea Polar Research Institute	Sun-aligned arc motion driven by magnetic reconnection under northward IMF
	SG-7-I5 Laila Zafar Kahlon	Forman Christian College, Lahore	Damped KP equation for magnetosonic waves in a dissipative ionospheric F Layer OH plasma
	SG-7-I6 Jesus Perez	UCLA	Direct comparisons of whistler mode excitation between an electric and loop dipole antenna in a laboratory plasma
	SG-7-O1 Uma Pandey	Indian Institute of Technology, Kanpur	India Ionospheric precursors before Strong Earthquakes Detected by GPS-TEC
Sep 25(Thu), 16:30-18:40, Room503	SG-8-I1 Junyi Ren	University of Science and Technology of China	Hybrid simulations of magnetosheath jets and bow waves
	SG-8-I2 Fang Shen	National Space Science Center (NSSC), CAS	Simulation of Solar Energetic Particles Propagation under Stream Interaction Regions
	SG-8-I3 Kun-Han Lee	National Center for High-performance Computing, NIAR	Generation of Kinetic Alfvén Waves and Parallel Ion Cyclotron Waves Triggered by Ion Beam Modes in the Solar Wind
	SG-8-I4 Yasuhito Narita	Technical University of Braunschweig	Electromotive field - The missing puzzle piece of space plasma turbulence
	SG-8-O1 SABA KHALID	Government College University Lahore	KdV Modeling of Field-Aligned Potentials in Alfvenic Double Layers by using (r, q) distribution function
	SG-8-O2 Kuldeep Singh	Khalifa University of Science & Technology	Nonlinear waves in planetary magnetospheres
	SG-8-O3 Abhay Kumar Singh	Banaras Hindu University	Multi-instrument study of the response of intense solar flares during the descending period of the 24th solar cycle
Sep 26(Fri), 14:00-16:10, Room503	SG-9-I1 Yixin Sun	Peking University	Violation of the Impenetrable Barrier: MSS-1 and Arase Observations of MeV Electrons in the Inner Radiation Belt During the May 2024 Geomagnetic Storm
	SG-9-I2 San Lu	University of Science and Technology of China	Three-dimensional global hybrid simulations of plasma transport and energy conversion during solar wind-magnetosphere interactions
	SG-9-I3 Kirolosse Girgis	Kyushu University	Numerical Modeling of Particle Dynamics during Dipolarization Events in Substorm Time
	SG-9-I4 Xu-Zhi Zhou	Peking University	Vertical Stripes of Quasi-Trapped Electrons in the Inner Radiation Belt: Evidence for Large-Scale Electric Field Pulses
	SG-9-I5 Yusuke Ebihara	Kyoto University	Generation, propagation and consequence of field-aligned currents during substorm expansion

	SG-9-I6 Shuo Yao	China University of Geosciences	Features and Source Current of the Ground Induced Geoelectric Field During Magnetic Storms
	SG-9-I7 Vipin Kumar Yadav	SPL / VSSC / ISRO	Observations of Extreme Solar Transient Events by MAG Payload onboard Aditya-L1 Spacecraft around L1 Point

SA [Solar and Astro]

Sep 22(Mon), 14:00-16:30, Room502	SA-1-I1 Ayumi Asai	Kyoto University	Advancing Solar Observations with DST and SMART, Hida Observatory
	SA-1-I2 Sayak Bose	Princeton Plasma Physics Laboratory	Experimental Study of Alfvén Wave Reflection from an Alfvén-speed Gradient Relevant to the Solar Coronal Holes
	SA-1-I3 Qi Hao	Nanjing University	Developing Automated Detection, Tracking and Analysis Methods for Solar Activities via Machine Learning
	SA-1-I4 Lei Lu	Purple Mountain Observatory, CAS	Application of Radio Observations in the Study of Solar Eruptions
	SA-1-I5 Sushree S. Nayak	Indian Institute of Astrophysics	Magnetohydrodynamics modeling of solar jets to jetlets
	SA-1-I6 Ayu Ramada Sukarmadji	IRAP/Université de Toulouse	Deciphering the nanojet phenomenon through observations and numerical simulations
	SA-1-O1 Mehdi Yousefzadeh	Shandong University	Kinetic Modeling of Coherent Emission in Coronal Loops: An Innovative Three-Step Numerical Approach
	SA-1-O2 Zihao Yang	High Altitude Observatory, NCAR	Observing the evolution of the Sun’s global coronal magnetic field over 8 months
Sep 22(Mon), 14:00-16:10, Room502	SA-2-I1 Shuhong Yang	National Astronomical Observatories, CAS	Magnetic field and meridional flow in the solar polar regions
	SA-2-I2 Pooja Devi	Kumaun University	Extreme-ultraviolet (EUV) Waves and Coronal Seismology
	SA-2-I3 Souvik Bose	Lockheed Martin Solar & Astrophysics Lab/SETI Institute	Heating of the chromosphere and corona in the active regions of the Sun
	SA-2-I4 Istvan Pusztai	Chalmers University of Technology	From Weibel seed generation to saturated dynamo in collisionless plasmas with finite mass ratio
	SA-2-I5 Nobumitsu Yokoi	University of Tokyo	Novel effects of kinetic and cross helicities in solar- and astro-physics
	SA-2-O1 Bidya Binay Karak	Indian Institute of Technology (BHU) Varanasi	Observed Joy's law during the emergence of bipolar sunspots unveils their origin
	SA-2-O2 Gohar Abbas	Government College University Lahore	Spectral analysis of circularly polarized waves associated with the ultra-relativistic electrons in Van-Allen radiation belts
	SA-2-O3 Yihua Li	Nanjing University	Data-constrained MHD simulation of solar corona including solar wind effects
Sep 23(Tue), 14:00-16:10, Room502	SA-3-I1 Yusuke Tsukamoto	Kagoshima University	Co-evolution of protoplanetary disks and dust grains
	SA-3-I2 Amit Seta	Australian National University	Magnetic Fields in the Multiphase Medium of Galaxies
	SA-3-I3 Daisei Abe	Tohoku University	Growth of Massive Molecular Filament by Accretion Flows: New mechanism to Support a Supercritical Filament against Radial Collapse
	SA-3-I4 Yoshiaki Misugi	National Astronomical Observatory of Japan	Physical Properties of Molecular Cloud Cores Formed in Strongly Magnetized Molecular Filaments
	SA-3-I5 Sadiq Usman	University of Wah	Magnetorotational Instability in differentially rotating degenerate astrophysical electron–positron–ion plasma
	SA-3-O1 Rei Nishiura	Kyoto University	Induced Compton scattering in magnetized electron and positron pair plasma
	SA-3-O2 Masanori Iwamoto	Kyoto University	Stimulated Scattering of Strong Waves in Pair Plasmas
	SA-3-O3 Shota Yokoyama	Chiba University	Cosmic-ray Driven Resistive Heating of the Intergalactic Medium in the Early Universe and Its Implications for 21-cm Line Observations
Sep 23(Tue),16:30-18:40, Room502	SA-4-I1 Rony Keppens	CmPA, KU Leuven	Mathematics for coronal rain: the hydrodynamic thermal continuum
	SA-4-I2 Seray Şahin Solakcı	Akdeniz University	From Chromospheric Evaporation to Coronal Rain: An Investigation of the Mass and Energy Cycle of a Flare
	SA-4-I3 Tinatin Baratashvili	KU Leuven	From Sun to Earth: Exploring the strengths and challenges of the global 3D MHD time-accurate modelling
	SA-4-I4 Jefferson Agudelo Rueda	Northumbria University	Characterising Sub-Grid-Scale Effects on Plasma Turbulence in the Earth's Magnetosheath: Contribution to Generalised Ohm’s Law
	SA-4-I5 Liping Yang	National Space Science Center, CAS	Three-part Structure Formation & Interplanetary Rotation of Mars-Directed Coronal Mass Ejection on 2021 December 4
	SA-4-I6 Hong-Peng Lu	Guizhou University	Detecting Stellar CMEs Using Time-Domain Spectroscopy from LAMOST
	SA-4-O1 Kamlesh Bora	Max Planck Institute for Solar System Research	Quasi-Separatrix-Layers Channel Solar Wind Outflows in Coronal Hole
Sep 24(Wed), 14:00-16:10, Room502	SA-5-I1 Masahiro Machida	Kyushu University	Disk Formation and Magnetic Interchange Instability in Weakly Ionized Star-Forming Clouds
	SA-5-I2 Yun-Wei Yu	Central China Normal University	Eclipsed X-ray Bursts and Fast Radio Burst Activity of Magnetar SGR J1935+2154
	SA-5-I3 Ashley Bransgrove	Princeton University	Extreme Plasma Physics of Neutron Stars
	SA-5-I4 Shigeo Kimura	Tohoku University	Non-thermal Phenomena in Strongly Magnetized Accretion Flows around Black Holes
	SA-5-I5 Akihiro Inoue	Osaka University	Three-Dimensional General Relativistic Radiation MHD Simulations of Supercritical Accretion onto a Magnetized Neutron Star
	SA-5-O1 Kanta Kitajima	Nagoya University	Particle-Based Analysis of Relativistic Jets
	SA-5-O2 Nicolas Brughmans	KU Leuven	A visual approach to MHD instabilities in accretion disks
Sep 24(Wed), 16:30-18:40, Poster Core Time	SA-P1SOMNATH MAHATO	INDIA METEOROLOGICAL DEPARTMENT	Evaluation of long-term changes of solar radiation in India
	SA-P2 Pallab Boro	Jawaharlal Nehru University	Magnetohydrodynamic (MHD) waves driven by cosmic rays in magnetized self-gravitating dusty molecular clouds
	SA-P3 Ravinder R. Bhambhu	Jawaharlal Nehru University	Neutrino flux mixing in core-collapse supernova and Rayleigh-Taylor instability: A hydrodynamic approach
	SA-P4 Jyoti Turi	Visva-Bharati University	Dynamics and modulation of cosmic ray modified magnetosonic waves in a galactic gaseous rotating plasma
	SA-P5 Hayato Saguchi	Tohoku University	The radial evolution of parametric decay instability incorporating temperature anisotropy in the near-sun solar wind
	SA-P6 Daichi Kashizaki	Tohoku University	Expanding MRI Heating Models for Stratified Accretion Disks to Include Parker Instability
	SA-P7 Alejandro Zamorano	Universidad de Chile	SOLAR FLARE MODEL OVER A REWIRED MAGNETIC FIELD NETWORK
	SA-P8 Souvik Das	Tezpur University	Solar surface oscillations with bi-spectral electronic thermostatistics
	SA-P9 Shunshun Cao	Peking University	Insights into Pulsar Magnetospheres Using FAST Single Pulses
	SA-P10 Jun Dai	Kyoto University	End-view Observations of Large-amplitude Longitudinal Oscillations of a Quiescent Prominence
Sep 25(Thu), 14:00-16:10, Room502	SA-7-I1 Xin Cheng	Nanjing University	Origin and Energization of Solar Explosions
	SA-7-I2 Qingmin Zhang	Purple Mountain Observatory, CAS	Investigating the early evolutions of non-radial solar eruptions
	SA-7-I3 Xiaozhou Zhao	Yunnan Observatories, CAS	Flux rope eruptions and shocks: 2.5D numerical modeling
	SA-7-I4 Jinhan Guo	Nanjing University	Numerical MHD Modelings of Failed Solar Eruptions: Constraints and Observational Manifestations
	SA-7-I5 Chen Xing	Nanjing University	Unveiling the Initiation Route of Coronal Mass Ejections through Their Slow Rise Phase
	SA-7-I6 Stephen Vincena	University of California, Los Angeles	Three-wave coupling between shear Alfvén waves and kink-unstable magnetic flux ropes
	SA-7-O1 Ramesh Chandra	Kumaun University, Nainital	Solar Filament Eruption and EUV Loop Dynamics
Sep 25(Thu), 16:30-18:40, Room502	SA-6-I1 Yulei Wang	Nanjing University	Three-dimensional Magnetic Reconnection within Strongly Turbulent Solar Flare Current Sheets
	SA-6-I2 Xiaoping Zhang	Macau University of Science and Technology	Unveiling mass transfer in solar flares: Insights from elemental abundance evolutions observed in Chang’E-2 and MSS missions

	SA-6-I3 Bhuwan Joshi	Udaipur Solar Observatory	Energy Release and Coronal Dynamics in Solar Flares: Insights from 2D and 3D Magnetic Reconnection Models
	SA-6-I4 Xiangliang Kong	Shandong University	Modeling the Acceleration and Transport of Energetic Particles in Solar Flares Based on Macroscopic MHD Simulations
	SA-6-I5 Maria Kazachenko	University of Colorado, Boulder	Magnetic-field field evolution during an X-class solar flare using realistic MHD simulations and observations.
	SA-6-O1 Zekun Lu	Nanjing University	Heating the Hot and Super-hot Corona in Solar Active Regions: Insights from MURaM
	SA-6-O2 Philippe Bourdin	University of Graz	the European Solar Telescope, the future mission
Sep 26(Fri), 14:00-16:10, Room502	SA-9-I1 Tetsuo Taki	The University of Tokyo	New framework for dust diffusion in partially ionized plasma with high dust-to-gas ratio: an application to a gap created by a protoplanet in a protoplanetary disk
	SA-9-I2 Shogo Isayama	Kyushu University	Relativistic resonant and trailing-field acceleration induced by large amplitude Alfvén waves in a strong magnetic field
	SA-9-I3 Hassan Shah	Forman Christian College, Lahore	Chaotic Evolution of Shock Waves, Solitons, and Solitary Shocks in a Degenerate Quantum Plasma with Adiabatically Trapped Electrons
	SA-9-I4 Shoma Kamijima	Kyoto University	Cosmic ray acceleration and maximum energy in core-collapse supernova remnants
	SA-9-O1 Masahiro Hoshino	The University of Tokyo	Electron-ion temperature ratio in mildly relativistic parallel shocks
	SA-9-O2 Ahmad Fahim Spinghar	International Islamic University	Linear Analysis of Drift Alfven Waves in Dense Astrophysical Objects
	SA-9-O3 Kanji Morikawa	The University of Tokyo	Magnetic turbulence by the interaction between a special relativistic shock and an inhomogeneous medium
	SA-9-O4 Subham Ghosh	International Centre for Theoretical Sciences	Magnetic Reconnection: An Alternative Explanation of Radio Emission in Galaxy Clusters

MF1[Core Plasma]

Sep 22(Mon), 14:00-16:10, Room409	MF1-1-I1 Yiming Zu	Southwest Jiaotong University	Hall MHD Simulations of MARFE Dynamics in Limiter and Divertor Configurations
	MF1-1-I2 Gianluca Pucella	ENEA	Hybrid scenario at high beta_N with mild MHD activity on MAST-U
	MF1-1-I3 Feifei Long	University of science and technology of China	Prediction of NTM seed magnetic island trigger threshold in EAST based on supervised learning
	MF1-1-I4 Jia Li	Chengdu University of Technology	Impurity effects on kinetic ballooning instability in high q regions of tokamak plasmas
	MF1-1-I5 Oleg Samoylov	Max Planck Institute for Plasma Physics	Magnetic reconnection rate during sawtooth crashes in ASDEX Upgrade and EAST
	MF1-1-O1 Masato Matsuoka	Nagoya University	Experimental observation of local reduction of gradient in energy spectrum of energetic particles interacting with MHD bursts
	MF1-1-O2 Yiming Ma	Huazhong University of Science and Technology	MHD simulation of tilt instability during the dynamic FRC magnetic compression process
Sep 22(Mon), 16:20-18:50, Room409	MF1-2-I1 Pan Li	Institute of Plasma Physics, CAS	Dynamics between energetic particles driven instabilities, lower frequency flow and turbulence on EAST
	MF1-2-I2 Wei Xia	Institute of Plasma Physics, CAS	Characteristic of Thermal Quench and its Interpretive JOREK Simulation in EAST Disruptions
	MF1-2-I3 Chang Liu	Peking University	Analysis and Simulation of Effective Runaway Electron Mitigation Using a Passive Coil in J-TEXT Tokamak
	MF1-2-I4 Wei Zheng	Huazhong University of Science and Technology	Disruption Prediction for Future Tokamak Reactors from Different Perspectives and with Different Methods
	MF1-2-I5 Akihide FUJISAWA	Kyusyu University	Dynamics Review and Prospect of Plasma Turbulence Observatory
	MF1-2-I6 Hongxuan Zhu	Zhejiang University	Global eigenmode structure of linear drift-wave instabilities on flux surfaces in stellarators
	MF1-2-O1 Zhe Chen	University of Science and Technology	Nonlinear excitation of energetic particle-induced geodesic acoustic mode via resonance overlap with Alfvén instability in CFQS
	MF1-2-O2 Chien-Chung Hsu	National Central University	An improved analytical theory of ion temperature gradient instability in tokamak plasmas
Sep 23(Tue), 14:00-16:10, Room409	MF1-3-I1 Liming Yu	Southwestern Institute of Physics	Experiment and simulation results of interactions between energetic ions and tearing modes on HL-2A tokamak
	MF1-3-I2 Xu Yang	Chongqing Technology and Business University	Optimized RMP spectrum design towards robust ELM control
	MF1-3-I3 Yanlong Li	Institute of Plasma Physics, CAS	Simulation of ELM control with the helical current filament induced by low-hybrid waves in EAST
	MF1-3-I4 Nengchao WANG	Huazhong University of Science and Technology	Electron internal transport barrier induced by neoclassical tearing mode in the ECRH plasma on J-TEXT
	MF1-3-I5 Xiaoxi Zhang	China University of Geosciences (Beijing)	Effects of Trapped Energetic ions on the 2/1 Tearing Mode and Fishbone-like Mode
	MF1-3-O1 Atsushi Fukuyama	Kyoto University	Kinetic full wave analysis in inhomogeneous plasmas using integral form of dielectric tensor
	MF1-3-O2 Yihui Liang	Shanghai Jiao Tong University	Design of 3D equilibria and coils for steady-state operation of tokamaks
Sep 23(Tue), 14:00-16:10, Room412	MF1-10-I1 Masaki UCHIDA	Kyoto University	Non-inductive startup of overdense spherical tokamak by electron Bernstein waves with reduced trapped electrons
	MF1-10-I2 Kristel Crombe	Laboratory for Plasma Physics, Royal Military Academy	Advancements in Commissioning the ICRH System for Wendelstein 7-X
	MF1-10-I3 Lunan Liu	Institute of Plasma Physics, CAS	ICRF Heating on EAST: Recent Experimental Advances and Engineering Developments
	MF1-10-I4 Hiroshi Tanabe	University of Tokyo	Application of reconnection heating for solenoid-free plasma startup in TS-6 and ST40
	MF1-10-I5 Yihang Chen	Southwestern Institute of Physics	Experimental study of sawtooth pacing control in strong neutron beam heated plasmas on the HL-3 tokamak
	MF1-10-O1 Zhuo Qi Liu	Dalian University of Technology	ICRF wave heating simulation integrating with SOL plasma based on FEM
	MF1-10-O2 Chenyu Pan	ASIPP	Excitation of Fast-ion Driven Alfvén Eigenmodes by ICRF Heating in High β_p Plasmas on EAST
Sep 23(Tue), 16:20-18:50, Room409	MF1-4-I1 Yinan Zhou	University of Science and Technology of China	The irrational/additional poloidal particle transport part during sawtooth collapse.
	MF1-4-I2 Dongmei FAN	Southwestern Institute of Physics	Impact of resonant magnetic perturbations on impurity transport in HL-3 H-mode plasmas
	MF1-4-I3 Stefano Gabriellini	UKAEA	Core transport simulations of plasma scenarios for JET and JT-60SA tokamaks: validation and prediction for future JT-60SA experiments
	MF1-4-I4 Toshiki Kinoshita	Kyushu University	Advances in Turbulence-Driven Transport Control for improved Plasma Confinement
	MF1-4-I5 Anders Nielsen	Technical University of Denmark (DTU)	Simulating Edge Transport in MAST-U Using the FELTOR Code
	MF1-4-I6 Chio-Zong Cheng	Princeton University, Univ. Tokyo	Ion and Electron Heating/Acceleration in Magnetic Reconnection of Merging Tokamak Plasmas
	MF1-4-O1 Sagar Choudhary	Institute for Plasma Research	Density gradient driven transport in LTX-like plasma due to Ubiquitous Mode
	MF1-4-O2 Jianwen Liu	Institute of Plasma Physics, CAS	Effect of ECRH power deposition on stiff transport in electron heating dominated plasma on EAST
Sep 24(Wed), 14:00-16:20, Room409	MF1-5-I1 Adriano Mele	EPFL	Plasma integrated control: a perspective and outlook on the recent advancements at the TCV tokamak
	MF1-5-I2 Joydeep Ghosh	Institute for Plasma Research	Recent Experimental and Operational Highlights from ADITYA-U Tokamak
	MF1-5-I3 Pedro Molina	EPFL-SPC	Fast electron generation during tokamak startup: experiments and simulations in the TCV tokamak
	MF1-5-I4 Xianyi Nie	University of Science and Technology of China	FOCUS-HTS: A New Stellarator Coil Design Code for Three-dimensional High-Temperature Superconducting Magnets
	MF1-5-I5 Yangbo Li	Huazhong University of Science and Technology	Experimental results of Tokamak-Stellarator hybrid configuration by external rotational transform on J-TEXT
	MF1-5-I6 Alejandro Navarro	Max-Planck-Institute for Plasma Physics	Exploring Turbulence in Stellarators: Advances in Global Gyrokinetic Simulations
	MF1-5-I7 Luca Garzotti	UKAEA	Integrated scenario modelling in support of fusion experiments.
Sep 24(Wed), 16:30-18:50, Room409	MF1-6-O1 Hiroyuki Yamaguchi	National Institute for Fusion Science	An Innovative Stellarator: Variable Symmetry Torus
	MF1-6-O2 Akihiro Shimizu	National Institute for Fusion Science	Construction and experiment of quasi-axisymmetric stellarator CFQS-T
	MF1-6-O3 Haijun Ren	University of Science and Technology of China	MHD analysis of electromagnetic GAMs in up-down asymmetric tokamaks
	MF1-6-O4 Kunihiro Ogawa	National Institute for Fusion Science	Experimental study of MHD instability effect on MeV ion confinement in KSTAR
	MF1-6-O5 Juan Ruiz Ruiz	University of Oxford	Assessing the effect of energetic-particle-driven modes on fusion power gain in burning plasmas
	MF1-6-O6 Brad Dempsie	University of Saskatchewan	Extended Stability and Plasma Shock Behavior in a Flow Through Z-pinch
	MF1-6-O7 Shuhei Sumida	National Institutes for Quantum Science and Technology	Observation of runaway electrons with neutron flux monitors in the initial operation phase of JT-60SA
	MF1-6-O8 Kensho Takenaka	Kyoto University	Analysis of Beta Dependence of Microinstabilities in Realistic Configurations Using Global Gyrokinetic Simulations
	MF1-6-O9 Oleg Krutkin	EPFL-SPC	Gyrokinetic simulations of core turbulence in a reference JT-60SA scenario
	MF1-6-O10 Kajal Shah	Princeton Plasma Physics Laboratory	Study of radiated power asymmetries in the Spherical Tokamak Advanced Reactor (STAR)
Sep 24(Wed), 16:30-18:40 Poster Core Time	MF1-P1 Zhongyong Chen	Huazhong University of Science and Technology	Optimization of Electromagnetic Pellet Injector for disruption mitigation on J-TEXT tokamak
	MF1-P2 Muto Takahashi	Tohoku University	Numerical Exploration into Feasibility of Current Drive by Synchrotron Radiation in Tokamaks
	MF1-P3 Jiangang Chen	Kyushu University	Evaluation of a Diagnostic Neutral Beam Injector in the spherical tokamak QUEST
	MF1-P4 Keiichiro Egashira	Kyushu University	Observation of knock-on tail formation using neutral particle analyzer in LHD deuterium plasma
	MF1-P5 Tetsutarou Oishi	Tohoku University	X-ray spectroscopy of tungsten impurity ions in magnetically confined high-temperature plasmas and its application to ion and electron temperature measurements

	MF1-P6 Shin Nishimura	National Institute for Fusion Science	Non-ambipolar Radial Transport of NB-produced Fast Ions including Charge Exchange Loss
	MF1-P7 Zhoujun Yang	Huazhong University of Science and Technology	Development of Enhanced Scattering diagnostic on J-TEXT
	MF1-P8 Kazutoshi Yasui	Nagoya University	Determination of multi-variable control gain based on response characteristics and control tests in JA-DEMO plasma
	MF1-P9 Taiyo Sakai	Nagoya University	Effects of magnetic field geometry on microinstabilities in an advanced stellarator
	MF1-P10Komal Komal	Institute for Plasma Research	Impact of MHD activity on the dynamics of energetic electrons in ADITYA-U tokamak
	MF1-P11Jianqiu Zhu	Institute of Plasma Physics, CAS	Research on Artificial Intelligence Algorithm Integration and Computational Resource Scheduling in Plasma Control Systems
	MF1-P12 Tong Liu	Dalian University of Technology	Facilitation of NTM control via ECCD due to current condensation effect in RMS tokamak plasmas
	MF1-P13 Man Li	Harbin Institute of Technology	Simulation study of tearing mode instabilities after pellet injection in Tokamak device
Sep 25(Thu), 14:00-16:20, Room409	MF1-7-I1 Juan Huang	Institute of Plasma Physics, CAS	Long-pulse high-confinement plasma towards future fusion reactors
	MF1-7-I2 Jie Zhang	University of Science and Technology of China	Evaluation of pellet fueling depth and its impact on fusion performances in fusion reactors
	MF1-7-I3 Jian Liu	Shandong University	Canonical Hamiltonian Theory and Symplectic Algorithms of Guiding Center Dynamics
	MF1-7-I4 Teobaldo di Cortemiglia	Max–Planck–Institut fuer Plasmaphysik	Full-radius integrated modelling of the H-mode confinement dependence on plasma size and aspect ratio and predictions of ITER and DEMO
	MF1-7-I5 Gabriele Merlo	Max Planck Institute for Plasma Physics	Global gyrokinetic multiscale pedestal simulations with the GENE code
	MF1-7-I6 Chiara Piron	ENEA, Consorzio RFX	Advances toward high-beta long-pulse operation in the WPTE tokamaks
	MF1-7-I7 Akira Ejiri	University of Tokyo	Parameter surveys for a fusion energy systems integration test facility FAST
Sep 25(Thu), 14:00-18:40, Room402+403	MF1-11-I1 Yang Li	Shouthwestern Institute of Physics	Kinetic research on energetical particle modes in burning fusion plasmas
	MF1-11-I2 Feng Wang	Dalian University of Technology	Application of Particle Orbit Tracking Model in Tokamak Buring Plasmas
	MF1-11-I3 Yunpeng Zou	Institute of Plasma Physics, CAS	Hybrid simulations of mode coupling between internal kink mode and energetic-particle continuum mode
	MF1-11-I4 Jacobo V. Rodriuez	University of Texas at Austin	Bursting activity in LHD plasma induced by multiple EP populations
	MF1-11-I5 Tatsuya Kobayashi	National Institute for Fusion Science	Modeling of charge exchange recombination spectroscopy and inverse problem analysis using Bayesian approach
	MF1-11-O1 Xiangfeng Wu	Dalian University of Technology	Simulations of fusion reactions under thermal and non-thermal equilibrium distributions in tokamaks
	MF1-11-O2 Nicola Amorisco	UK Atomic Energy Authority	FreeGSNKE: an open source pure-Python predictive evolutive equilibrium code for control design and validation
Sep 25(Thu), 16:20-18:50, Room409	MF1-8-I1 Heng Lan	Southwest Jiaotong University	Experimental study of the electromagnetic fluctuations and energy confinement in the quasi-axisymmetric stellarator CFQS-T plasmas
	MF1-8-I2 Jian Zhang	Huazhong University of Science and Technology	Numerical solutions of resistive finite-pressure magnetohydrodynamic equilibria for quasiaxisymmetric stellarator CFQS and non-axisymmetric toroidal plasmas
	MF1-8-I3 Huishan Cai	University of Science and Technology of China	Multi-scale gyrokinetic simulation of the interaction between turbulence and fishbone
	MF1-8-I4 James Yang	Princeton Plasma Physics Laboratory	Aspect ratio dependence of fast ion effects on neoclassical tearing mode growth
	MF1-8-I5 Chao Li	Peking University	Numerical Extraction of Nearest Canonical Equilibrium Distribution via Natural Gradient Descent method
	MF1-8-I6 Francesco Porcelli	Polytechnic University of Turin	Vertical Displacement Oscillatory Modes driven by Fast Ions in Tokamak Plasmas
	MF1-8-O1 Kajal Shah Pandit	Deendayal Energy University	Argon impurity transport in Ohmic discharges of ADITYA-U Tokamak
	MF1-8-O2 Tomoya Kawazu	Kyoto University	Effects of magnetic field geometry and beta dependence on trapped electron mode turbulent transport in tokamak plasmas.
Sep 26(Fri), 14:00-16:10, Room 409	MF1-9-I1 Tokihiko Tokuzawa	National Institute for Fusion Science	Review of radio plasma physics for fusion science
	MF1-9-I2 Hui-Hui Wang	Institute of Plasma Physics, CAS	Overview of error field scaling studies in EAST and implications for ITER
	MF1-9-I3 Jack Berkery	Princeton Plasma Physics Laboratory	Research Advancing the Physics of Spherical Tokamaks in Preparation for Operation of NSTX-U
	MF1-9-I4 Kai Li	Qingdao University	Prediction of the kinetic profiles from core to pedestal for H-mode discharges on EAST
	MF1-9-I5 Makoto Hasegawa	Kyushu University	Development of Divertor Configuration Control in QUEST with Experiments and AI-Based Identification
	MF1-9-I6 Shinichiro Kado	Institute of Advanced Energy, Kyoto University	Dynamic Behavior of Pellet Fueling in Heliotron J from Ablation Cloud to Reheat Phenomena
	MF1-9-I7 Ahmed Diallo	Princeton Plasma Physics Laboratory	Spin-Polarized Fuel for Enhanced Tritium Self-Sufficiency and Electric Power Output

MF2[Edge Plasma]

Sep 22(Mon), 14:00-16:10, Room410	MF2-1-I1 Jonathan Gaspar	Aix-Marseille University, CNRS, IUSTI	Overview of long pulse, high fluence and high heat flux operation in WEST full tungsten environment
	MF2-1-I2 Jack Lovell	Oak Ridge National Laboratory	Highlights from the third experiment campaign of MAST Upgrade
	MF2-1-I3 Dorothea Gradic	Max-Planck Institut für Plasmaphysik	Development of long pulse detached plasmas in the Wendelstein 7-X stellarator
	MF2-1-I4 Sebastijan Brezinsek	Forschungszentrum Jülich GmbH	Plasma-Wall Interactions Studies in support of the new ITER baseline
	MF2-1-I5 Luis Gil	Univ. Lisboa	A high-confinement, no-ELM regime in JET: the EDA H-mode
	MF2-1-I6 Qingquan Yang	Institute of Plasma Physics, CAS	Recent Advances in Small ELM Regimes: Highlights from EAST Tokamak
Sep 22(Mon), 16:30-18:40, Room410	MF2-2-I1 Dieter Boeyaert	University of Wisconsin-Madison	Particle exhaust studies in non-resonant divertors using EMC3-EIRENE
	MF2-2-I2 Diego S.de Oliveira	CEA	3D numerical modeling of power exhaust and W migration in WEST plasma taking into account the impact of realistic wall and magnetic geometry
	MF2-2-I3 Manuel S. D'Abusco	Princeton Plasma Physics Laboratory (PPPL)	Predicting 3D heat fluxes of non-axisymmetric plasmas in SPARC tokamak with the HEAT code
	MF2-2-I4 Makoto OYA	Kyushu University	Evaluation study of fuel retention in plasma-facing walls of JA DEMO reactor.
	MF2-2-I5 Chaofeng Sang	Dalian University of Technology	Simulation of first wall erosion and high-Z impurity transport in EAST tokamak Boundary
	MF2-2-O1 Alexander Knieps	Forschungszentrum Juelich	Exploring improved PFC heat load distributions on Wendelstein 7-X using multi-objective optimization
	MF2-2-O2 Chase Hargrove	The Pennsylvania State University	The Synergistic Effects of Plasma and Heat Loads on Dispersion-Strengthened Tungsten in DIII-D
Sep 23(Tue), 14:00-16:10, Room410	MF2-3-I1 George Wilkie	Princeton Plasma Physics Laboratory	Neutral recycling studies with advanced tooling
	MF2-3-I2 Yulin Zhou	Southwestern Institute of Physics	Study of neutrals and impurity transport effects on divertor detachment
	MF2-3-I3 Santanu Banerjee	Princeton Plasma Physics Laboratory	Role of edge neutrals in the low-recycling regime in achieving steady state flat temperature profiles and exciting tearing mode activity in LTX-β
	MF2-3-I4 Thomas Bosman	DIFFER	X-point radiator control and its dynamics in ASDEX Upgrade and JET deuterium–tritium discharges
	MF2-3-I5 Hui Wang	Institute of Plasma Physics, CAS	Kinetic effects on tungsten impurity edge transport and screening under different divertor conditions
	MF2-3-O1 Jingchun Li	Shenzhen University	Coupling of Geodesic Acoustic Modes and Resonant Magnetic Perturbations in Fusion Plasmas
	MF2-3-O2 Yiren Zhu	Southwestern Institute of Physics	Exploring the pathway to the Super H-mode on HL-3
Sep 23(Tue), 16:30-18:40, Room410	MF2-4-I1 Wei Xu	Institute of Energy, Hefei Comprehensive National Science Center	The effects of powder real-time injection for achieving long-pulse H-mode discharges in EAST
	MF2-4-I2 Dmitry Rudakov	University of California, San Diego	Quantification of runaway electron impact in the lower divertor of DIII-D tokamak using an instrumented sacrificial probe
	MF2-4-I3 Jinheng Zhao	Institute of Plasma Physics, CAS	Interpretive modeling of Grassy ELM transport in the scrape-off layer and the influence on divertor tungsten erosion
	MF2-4-I4 Kyungtak Lim	Nanyang Technological University (NTU)	Effects of negative triangularity on SOL plasma turbulence
	MF2-4-I5 Jaehyun Lee	Korea Institute of Fusion Energy (KFE)	Characterization of Pedestal Turbulence and Its Role in ELM Dynamics in KSTAR Plasmas
	MF2-4-O1 Zikai Huang	Tsinghua University	Energy Transfer and Spectral Evolution Induced by Parametric Decay Instability During the Injection of Lower Hybrid Waves
	MF2-4-O2 Xiaoyu Yang	Tsinghua University	Analysis of Parametric Instabilities in Helicon Wave current drive experiments
Sep 23(Tue), 16:30-18:40, Room503	MF2-10-I1 Bob Kool	NWO instituut DIFFER	Alternative divertor configurations improve power exhaust control
	MF2-10-I2 Massimo Carpita	SPC - EPFL	Assessment of alternative divertor configurations in TCV via experiments and interpretative SOLPS-ITER modelling
	MF2-10-I3 Ryuya Ikezoe	Kyushu University	A new approach to solving divertor heat and particle issues – RF plugging using a toroidally localized electrodes
	MF2-10-I4 Daniel Andruczyk	University of Illinois Urbana-Champaign	Driving a path to a viable fusion power device with liquid lithium technology
	MF2-10-I5 Dennis Boyle	Princeton Plasma Physics Laboratory	Key steps toward low-recycling, liquid lithium fusion devices in the Lithium Tokamak Experiment-β (LTX-β)
	MF2-10-O1 Jonathan Yu	General Atomics	Advancing Core-Edge Integration using Mid-Leg Pumping in a new DIII-D Divertor
Sep 24(Wed), 14:00-16:10, Room410	MF2-5-I1 Jekil Lee	Korea Institute of Fusion Energy	Observation of symmetry-breaking by RMP-induced edge kink-like modes in KSTAR and their effects on density pump-out
	MF2-5-I2 Neng Zhang	Southwestern Institute of Physics	Linear and quasi-linear toroidal modeling of resonant magnetic perturbations during ELM mitigation in HL-3 tokamak
	MF2-5-I3 Jian Xu	Dalian University of Technology	Deep learning based plasma response models to 3D external magnetic field perturbations in EAST
	MF2-5-I4 Xinliang Xu	Southwest Institute of Physics	Advancing Pedestal Stability Prediction with Neural Networks and Automated MHD Modeling
	MF2-5-I5 Guoliang XIAO	Southwestern institute of physics	Advancements in SMBI Technology for Fusion Reactor Fueling Framework: AI - Driven Innovations and Physical Insights
	MF2-5-O1 ShengBo Zhao	Institute of Plasma Physics, CAS	Plasma Disruption Mitigation Features Using MGI and SPI on the EAST Device
	MF2-5-O2 Li Li	Institute of Plasma Physics, CAS	Effects on characteristics of plasma disruption mitigation using shattered pellet injection on EAST
Sep 24(Wed), 16:30-18:40, Poster Core Time	MF2-P1 Hao Man	Huazhong University of Science and Technology	First Detection of Electron Temperature Perturbation Caused by Beta-induced Alfvén Eigenmodes Associated with Locked Magnetic Islands
	MF2-P2 Kiwoo Lee	Korea institute of Fusion Energy	Influence of Electron Temperature on Tungsten Impurity Behavior
	MF2-P3 HISATO KIZU	Nagoya University	Design and assembly of internal-coil divertor experimental device SOLEIL
	MF2-P4 Shiming Liu	Dalian University of Technology	Depth profiling and thickness diagnosis of multilayer deposited samples using LPIR-LIBS technology
	MF2-P5 Shota Abe	Princeton Plasma Physics Laboratory	An impurity powder dropper for boron wall conditioning and a material sampling probe for conditioning evaluation in the SMART tokamak
Sep 25(Thu), 14:00-16:10, Room410	MF2-7-I1 Jeongwon Lee	Korea Institute of Fusion Energy	Study on poloidal field configuration effect to electron cyclotron wall cleaning in KSTAR
	MF2-7-I2 Karl Krieger	Max-Planck-Institute for Plasma Physics	Efficiency of glow discharge boronisation in ASDEX Upgrade
	MF2-7-I3 Rong Yan	Institute of Plasma Physics, CAS	Boron erosion and deposition evolution behaviour monitored with quartz crystal microbalance in EAST
	MF2-7-I4 Dahuan Zhu	Institute of Plasma Physics, CAS	Melting behaviors of metal plasma facing components during plasma operations in EAST
	MF2-7-I5 Florian Effenberg	Princeton Plasma Physics Laboratory	Real-time boron injection for plasma-facing component conditioning, tungsten source control, and implications for ITER
	MF2-7-I6 Shota Abe	Princeton Plasma Physics Laboratory	Deuterium Retention of Boron Powder from Deuterium Gas or Ion Exposure to Estimate Tritium Inventory in Advanced Fusion Reactors
Sep 25(Thu), 16:30-18:40, Room410	MF2-8-I1 Leonid Zakharov	LiWFusion	From tokamaks to toga device with lithium plasma environment and eliminated PSI
	MF2-8-I2 Qinghu Yang	Huazhong University of Science and Technology	The construction and experiment results of high-field-side divertor target biasing system (HDTB) on J-TEXT
	MF2-8-I3 Choongki Sung	KAIST	Development of a Scrape Off Layer Plasma Simulator using a magnetic mirror device in KAIST (KAIMIR)
	MF2-8-I4 Jonathon Menard	Princeton Plasma Physics Laboratory	Physics design of a Spherical Tokamak Advanced Reactor (STAR)
	MF2-8-I5 Nicola Lonigro	University of York,UKAEA	Improving exhaust performance with total flux expansion and the strongly baffled X-point target divertor on MAST-U
	MF2-8-I6 Andres Cathey	IPP Garching	Fully integrated 3D nonlinear time-dependent modelling of pedestal and scrape-off layer in the JOREK code
Sep 26(Fri), 14:00-16:40, Room410	MF2-9-I2 Yoshihiko Nagashima	Kyushu University	Development of a Limiter-like Langmuir Probe System for the QUEST All-Metal Device
	MF2-9-I3 Seungmin Bong	KAIST	Newly designed Langmuir probe system at the tungsten lower divertors in KSTAR

MF2-9-O1 Chen Zhang	Dalian University of Technology	Simulation and experimental study of separatrix reconstruction by visible light in EAST
MF2-9-O2 Zhan-Hong Lin	Dalian University of Technology	Synthetic diagnostic of INPA passive signal in EAST
MF2-9-O3 Johan Buermans	LPP-ERM/KMS	Cross-diagnostic calibration of the density measurements in TOMAS

Satellite Meetings

Akira Hasegawa 90 years old memorial symposium

Sep 21(Sun), 9:30-11:35, Room410	AK-1-I1 Liu Chen	University of California, Irvine	Physics of kinetic Alfvén waves : History and Progress
	AK-1-I2 Fulvio Zonca	ENEA	The role of kinetic Alfvén waves in burning plasma self-organization
	AK-1-I3 Troy Carter	ORNL	Overview of Alfven wave research using the Large Plasma Device
	AK-1-I4 Zensho Yoshida	University of Tokyo	Thermal equilibrium in a dipole magnetic field --entropy on a leaf of phase space
	AK-1-I5 Alex Simpson	OpenStar Technologies	Tahi: Dipole confinement of fusion-relevant plasmas
Sep 21(Sun), 14:30-16:35, Room410	AK-2-I1 Zhihong Lin	University of California, Irvine	Zonal flows: from Hasegawa-Mima equation to gyrokinetic simulation
	AK-2-I2 Michio Yamada	Kyoto University	Hasegawa-Mima equations and Rossby waves in Geophysical Fluids
	AK-2-I3 Jan Weiland	Lehigh Univ.	Nonlinearities in magnetic confinement, ionospheric physics and population explosion leading to profile resiliense
	AK-2-I4 Katsunobu Nishihara	The University of Osaka	The dawn of plasma computer simulation and 60 years of memories with Professor Hasegawa
	AK-2-I5 Akihiro Maruta	The University of Osaka	Optical Solitons and Eigenvalue Communications

Mini Symposium : Advancements in hydrogen boron fusion

	PB-1-I1 Takashi Mutoh	Chubu U.	supra-thermal ion tail experiment on LHD
	PB-1-I2 Yueng-Kay Martin Peng	ENN Science and Technology Development Corp., Ltd.	EXL-50U Experiments, Addressing Key Physics Issues for Future Spherical Torus Proton-Boron Reactors
	PB-1-I3 KUNIHIRO OGAWA	National Institute for Fusion Science	Demonstration of aneutronic p-11B reaction in a magnetic confinement device
	PB-1-I4 Bing Liu	ENN	EXL-50U p-boron supra-thermal heating and reaction rate
	PB-1-I5 Yangchun Liu	Zhejiang Univ.	supra-thermal ion heating modeling
	PB-2-I1 Yongtau Zhao	Xi'an Jiaotong Univ.	Proton-boron nuclear reaction in plasma initiated by laser-accelerated protons
	PB-2-I2 Dimitri Batani	Université de Bordeaux	status of laser-driven proton boron experiments
	PB-2-I3 Tieshuan Fan	Peking University	status of research on cross-section measurements
	PB-2-I4 Sergey Pikuz	HB11	Energy Techno-economical model and laser requirements for laser fusion with advanced fuels
	PB-2-I5 Dong Wu	Shanghai Jiaotong Univ.	advanced simulation of p-boron plasmas
	PB-2-I6 Jieru Ren	Xi'an Jiaotong Univ.	electron generation through laser interaction with NCD plasma

Mini Symposium: Physics of matter and hydro processes in high energy density plasmas

	HEDP-I1 Snezhana Abarzhi	The University of Western Australia (AU)	Instabilities in fusion plasmas: Interface dynamics and flow fields structure
	HEDP-I2 Hiroshi Azechi	Osaka University	On kinematic viscosity, scaling laws and spectral shapes in Rayleigh-Taylor mixing plasma experiments
	HEDP-I3 Bruno Coppi	Massachusetts Institute of Technology (US)	In situ magnetic field generation and plasma structures as constituents of astrophysical jets
	HEDP-I4 Yasuhide Fukumoto	Kyushu University	Nambu Bracket, isomagnetovortical perturbations and wave energy for compressible baroclinic magneto-hydrodynamics
	HEDP-I5 Chihiro Matsuoka	Osaka Metropolitan University	A rotation-free vortex solution in special and general relativistic hydrodynamics
	HEDP-I6 Takayoshi Sano	Institute for Laser Engineering, Osaka University	Richtmyer-Meshkov instability in magnetized laser plasmas
	HEDP-I7 Ryunosuke Takizawa	Institute for Laser Engineering, Osaka University	Experimental Investigation of Fast Ignition Toward High-Efficiency Ignition
	HEDP-I8 Sergei Zybin	California Institute of Technology	Combined Richtmyer-Meshkov and Kelvin-Helmholtz instabilities under converging shock in cylindrical geometry