



ECPD 2023 PROGRAM

	Sunday 23 April	Monday 24 April	Tuesday 25 April	Wednesday 26 April	Thursday 27 April	Friday 28 April
08:30-09:00		<b>OPENING CEREMONY</b>				<b>PROBONO MEETING</b>
		Session 1- Chair: Tsuyoshi Akiyama - Vice Chair: Ioannis Ftilis	Session 5 - Chair: Marco Feroci - Vice Chair: Nektarios Papadogiannis	Session 9 - Chair: Milan Simek - Vice Chair: Emmanouel Benis	Session 11 - Chair: Dimitri Batani - Vice Chair: Vasilis Dimitriou	
9:00-9:45		<b>K1-172_Rejean L. Boivin</b> Diagnostics For Fusion Reactors	<b>K2-190_Chintan Shah</b> High-resolution laboratory measurements advancing diagnostics of astrophysical and fusion plasmas	<b>K3-189_Giorgio Dilecce</b> A critical overview of Optical Emission Spectroscopy for plasma diagnostics	<b>K4-David Schlossberg</b> Diagnostics for Fusion Gain > 1 Experiments on the NIF LLNL	CORE GROUP & MANAGEMENT COMMITTEE MEETING
9:45-10:15		<b>I1-66_Artur Perek</b> Multispectral Advanced Narrowband Tokamak Imaging Systems (MANTIS)	<b>I6-Franco Alladio</b> PROTO-SPHERA: a magnetic confinement experiment which emulates the jet + torus astrophysical plasmas	<b>I11-159_Tomas Hoder</b> Non-steady state collision-radiative models for atmospheric pressure plasma diagnostics	<b>I13-Sander Nijdam</b> Advanced 3D time resolved imaging of streamers and comparison with numerical model results	
10:15-10:35		<b>O1-29_Liang Liu</b> Visible imaging diagnostics for high-performance plasmas on the HL-2M tokamak	<b>O15-99_Giorgio Finocchiaro</b> Space resolved electron density and temperature evaluation by X-ray pinhole camera in ECR plasma	<b>O29-126_Alma Kurmanova</b> Energy-resolved Thomson parabola spectrometer for laser-driven low energy multi-ion measurement	<b>O36-181_Roger Reichle</b> Recent highlights of diagnostics and their port integration at ITER	
10:35-10:55		<b>O2-37_Yumin Wang</b> Development of the electron cyclotron emission diagnostics on EXL-50 spherical torus	<b>O16-51_Sergiy Ponomarenko</b> Development and commissioning of upgraded microwave radiometer for CTS diagnostics at W7-X stellarator	<b>O30-144_Riccardo Agnello</b> Reconstruction of beam emission spectra produced by a large negative ion beam for fusion	<b>O37-6_Dieter H.H. Hoffmann</b> Recent results on proton-11Boron reaction obtained in accelerator and laser-plasma experiments	
10:55-11:30		<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	
		Session 2 - Chair: Rejean L. Boivin - Vice Chair: Artur Perek	Session 6 - Chair: Karl Krushelnick - Vice Chair: Franco Alladio	Session 10 - Chair: Michael Tatarakis - Vice Chair: Farhat Beg	Session 12 - Chair: Dieter H.H. Hoffmann - Vice Chair: Sander Nijdam	Meeting Reception
11:30-11:50		<b>O3-8_Dieter H.H. Hoffmann</b> Laboratory Atmosphere Model of the Hottest White Dwarf H1504+65	<b>O17-59_Alamgir Mondal</b> Temporally and spatially resolved characterization of capillary discharge plasma density profile using emission spectroscopy	<b>O31_31_Didier Mazon</b> Overview of ITPA diagnostics R&D: recent activities in support of ITER	<b>O38-163_Arthur Dogariu</b> Advanced optical diagnostics for low temperature plasmas at PCRF	WORKING GROUP MEETING  FREE TO ATTEND SELECTIVE PRESENTATIONS
11:50-12:10		<b>O4_97_Carlos Salgado</b> Angular-resolved Thomson Parabola spectrometer for laser-plasma Ion aAccelerators	<b>O18-132_Hang Zhao</b> Recent progress of Thomson scattering diagnostics at the 100kJ-level laser facility in China	<b>O32-23_Shaocheng Liu</b> Development of a new helium imaging system to measure the edge two-dimensional turbulence and profiles simultaneously on EAST	<b>O39-118_Filipe da Silva</b> Status of the EUROfusion Enabling Research Project "Advances in real-time reflectometry plasma tracking for next generation machines"	<a href="#">DOWNLOAD AGENDA</a>
12:10-12:30		<b>O5-115_Ioannis Tazes</b> Characterization of optically shaped gas-jet target profiles for proton acceleration experiments in the near-critical density regime	<b>O19-117_Oldrich Renner</b> 1D Space-time & 2D space resolved hot electron generation at shock ignition relevant laser-matter coupling parameters	<b>O33-17_Golo Fuchert</b> Calibration techniques for Thomson scattering diagnostics on large fusion experiments	<b>O40-11_Andrei Gusarov</b> Development of Fibre Optics Current Sensor synthetic diagnostic for ITER	



ECPD 2023 PROGRAM

12:30-12:50	<b>O6-69_90_J. F. Rivero Rodriguez</b> First experimental measurements of the scintillator-based Fast-Ion Loss Detector in the MAST-U spherical tokamak	<b>O20-113_Stavros Moustazis</b> Gain evaluation for low-density np/nB >1 proton- Boron fusion plasmas	<b>O34-19_Alexandru Boboc</b> JET Far Infrared (FIR) Interferometer/Polarimeter Diagnostic System – 40 years of lessons learned	<b>O41-156_Fabrizio Consoli</b> Multilayer time-of-flight detector for real-time particle detection in laser-matter experiments
12:50-13:10	<b>O7-76_Hui Lian</b> Observation of the Geodesic Acoustic Modes (GAM) density fluctuations in H-mode on EAST	<b>O21-20_Michał Jagielski</b> Hybrid Garfield++ simulations of GEM detectors for tokamak plasma radiation monitoring	<b>O35-50_Diogo R. Ferreira</b> Improving the time resolution of Thomson scattering via machine learning on reflectometry data	<b>O42-158_Gergo I. Pokol</b> EDICAM camera for runaway electron detection in JT-60SA disruptions
13:10-13:40	<b>I2-175_Mengfang Ren</b> Primary results of EAST edge TV Thomson scattering system	<b>I-7-Victor Doroshenko</b> X-ray polarimetry as a plasma physics probe in accreting pulsars	<b>I12-174_Karl Krushelnick</b> Experimental diagnostic systems for the new 3 PW laser facility at the University of Michigan	<b>I14-15_Tokihiko Tokuzawa</b> Millimeter-wave scattering measurement system for verifying anisotropy and interactions between scales in microscale turbulence
13:40-14:40	Lunch Break	Lunch Break	Lunch Break	Lunch Break
14:40-15:40	Poster Session1	Poster Session 2	EXCURSION	Poster Session 3
	Session 3 - Chair: Ioannis Fitisil - Vice Chair: Mengfang Ren	Session 7 - Chair: Nektarios Papadogiannis - Vice Chair: Victor Doroshenko		Session13 Chair: Vasilis Dimitriou - Vice Chair: Tokihiko Tokuzawa
15:40-16:10	<b>I3-147_Shaun Haskey</b> Active and Passive Balmer- $\alpha$ Measurements in Magnetic Confinement Experiments	<b>I8-182_Farhat Beg</b> Time resolved spectroscopy of proton heated targets relevant to proton fast ignition		<b>I15-46_Sehyun Kwak</b> Overview of Bayesian plasma diagnostic modelling at W7-X
16:10-16:40	<b>I4-171_Scott Silburn</b> Diagnostic challenges for JET DT Campaign	<b>I9-65_Luis Felipe Delgado-Aparicio</b> Measurement of the seed of runaway electrons with new multi-energy SXR camera		<b>I16-Ivo Furno</b> Diagnostics for high power helicon plasmas: from lasers to magnetic probes
16:40-17:00	<b>O8-83_Dong Guo</b> Design of a wide-angle infrared visible viewing system using reflective optics on EXL-50 spherical torus	<b>O22-78_Yuan Yao</b> Development of a multifunctional real-time data processing system for interferometers on EAST		<b>O43-137_Paul Neumayer</b> HED science with intense heavy-ion pulses at GSI/FAIR
17:00-17:20	<b>O9-68_Diego Jose Cruz Zabala</b> Diagnostic overview for the first operational phase of the SMART tokamak	<b>O23-136_Calum Freeman</b> Synthetic X-ray phase contrast images using the GREENER code		<b>O44-140_Petr Bílek</b> Experimental study of sub-atmospheric streamers in pure N2 with implications for nitrogen kinetic models
17:20-17:40	<b>O10-57_Wolfgang Theobald</b> X-Ray Phase-Contrast Imaging of Imploding Strong Shock Waves	<b>O24-151_Emanouil Benis</b> Coherent XUV Multispectral Diffraction Imaging for dense plasma diagnosis		<b>O45-133_Alexandros Gerakis</b> Single shot, non-resonant, four-wave mixing laser diagnostics for low temperature plasmas
17:40-18:10	Coffee Break	Coffee Break		Coffee Break



ECPD 2023 PROGRAM

		Session 4 - Chair: Shaun Haskey - Vice Chair: Scott Silburn	Session 8 Chair: Luis Felipe Delgado- Aparicio - Vice Chair: Tomas Hoder		Session 14 - Chair: Dimitri Batani- Vice Chair: Michael Tatarakis	
18:10-18:40	REGISTRATION & WELCOME RECEPTION	I5-92_Yuqiu Gu High resolution radiography research based on picosecond laser: a review of experiments at shenguang II upgraded facility	I10-Gabi Stancu Specificities of plasma diagnostics using ultrashort laser induced fluorescence techniques		Award talk <b>Marco Borghesi</b> Probing transient plasma phenomena with laser-accelerated proton beams	
18:40-19:00		O11-73_Luke Simons Modelling and design of a hard X ray spectrometer for TCV	O25-63_José Rueda-Rueda First Measurements with an Imaging Neutral Particle Analyzer in the ASDEX Upgrade tokamak		O46-88_Dorina Ticos Diagnostics of a Laboratory Platform for studying Electron Beam Driven Turbulence in Dusty Plasma	
19:00-19:20		O12-67_Kaden Loring TALIF diagnostic for atomic hydrogen density in divertor-relevant plasmas	O26-56_Christos Vlachos Laser-driven quasi-static magnetic fields for magnetized high energy-density experiments	O47-168_Dobrynya Kolodko Mass-spectrometric measurements of ion flux at a substrate in reactive HiPIMS processes		
19:20-19:40		O13-10_Feng Wang Progress of high spatial and temporal resolution diagnosis for inertial confinement fusion experiments In ShengGuang 100KJ laser facility	O27-64_Lin Nie The Progress of ITER Divertor Langmuir Probe final design	CONFERENCE CLOSURE		
20:00-20:30		O14. B. Chen, F. Wang, P. Wang Diagnosis integrated control and intelligent operation in inertial confinement fusion	O28-X. Zhang, F. Wang, J. Xu, Y. Gou, B. Mu, J. Dong, P. Yang, Y. Yang, Y. Pu, J Yan, Z. Chen, C. Sun, Y. Dong, D. Yang, J. Yang, Z. Zhao, B. Zhang The development of a pulse dilated wolver-like X-ray microscope for the Imaging of the Hot Spot in a High-modes Asymmetry		GALA DINNER	

TOPIC BY COLOR

Basic and Astrophysical Plasmas (BAP)

Beam Plasmas and Inertial Fusion (BPIF)

Low-Temperature and Industrial Plasmas (LTIP)

Magnetic Confinement Fusion (MCF)