

Programme

MONDAY			TUESDAY			WEDNESDA	<u>Y</u>		THURSDAY		
		Chair Persons			Chair Persons			Chair Persons			Chair Persons
09:00 OPENING		B. Gonçalves, D. Batani	TUTORIAL	T2	F. Wang, J. Santos	TUTORIAL	Т3	M. Simek, R. Luis	TUTORIAL	T4	C. Silva, G. Zeraouli
09:15											
09:30 TUTORIAL	T1	A. Tuccillo, A. Romano									
09:45			INVITED	2.1		INVITED	13.1		INVITED	14.1	
10:00											
10:15 ORAL	01.1		ORAL	02.1		ORAL	03.1		ORAL	04.1	
10:30 COFFEE	POSTER 1		COFFEE	POSTER 2		COFFEE	POSTER 3		COFFEE		
10:45											
11:00									ORAL	04.2	C. Silva, G. Zeraouli
11:15									ORAL	04.3	
11:30									ORAL	04.4	
11:45									ORAL	04.5	
12:00 INVITED	11.1	A. Tuccillo, A. Romano	INVITED	2.2	F. Wang, J. Santos	INVITED	13.2	M. Simek, R. Luis	INVITED	14.2	
12:15											
12:30 ORAL	01.2		INVITED	2.3		ORAL	03.2		INVITED	14.3	
12:45 ORAL	01.3					ORAL	03.3				
13:00 LUNCH			LUNCH			LUNCH			LUNCH		
13:15											
13:30											
13:45											
14:00											
14:15											
14:30											
14:45 INVITED	11.2	M. Fajardo, D. Mancelli	FAENOV SESS	ION	D. Batani, S. Malko	INVITED	13.3	M. Feroci, P. Varela	INVITED	14.4	L.L. Alves, L. Guimarãis
15:00			INTRO+ 2 TAL	.KS							
15:15 ORAL	01.4		1	F1-F2		ORAL	03.4		ORAL	04.6	
15:30 COFFEE	POSTER 1		COFFEE	POSTER 2		COFFEE	POSTER 3		COFFEE		
15:45											
16:00									ORAL	04.7	L.L. Alves, L. Guimarãis
16:15									INVITED	14.5	
16:30											
16:45 ORAL	01.5	M. Fajardo, D. Mancelli	FAENOV SESS	ION	D. Batani, S. Malko	ORAL	03.5	M. Feroci, P. Varela	CONCLUSIO	NS	B. Gonçalves, L.L. Alves
17:00 ORAL	01.6		5 TALKS	F3-F7		ORAL	03.6				
17:15 INVITED	11.3					ORAL	03.7		CONCLUSIO	N	
17:30						ORAL	03.8				
17:45 INVITED	11.4					INVITED	13.4				
18:00											
18:15 CONCLUSIO	N					CONCLUSIO	N				
18:30			CONCLUSION								

Tutorials and Topical Lectures

- T1 Exploring HED physics, ICF dynamics and lab astrophysics with advanced nuclear diagnostics, Chikang Li, MIT
- T2 Detection of the missing baryons by studying the lines from the Warm Hot Intergalactic Medium (WHIM), Fabrizio Nicastro, INAF -OAR
- T3 Bolometer Developments in Diagnostics for Magnetic Confinement Fusion, Hans Meister, Max-Planck-Institut für Plasmaphysik, Garching
- T4 Optical diagnostics: femtosecond laser measurements of E fields and novel methods for temperature and pressure measurements with atomic and molecular, Richard Miles, Department of Aerospace Engineering, Texas A&M University Department of Mechanical and Aerospace Engineering, Princeton University

Invited Talks

- 11.1 In situ and remote laser diagnostics for material characterization from plasma facing components to Cultural Heritage surfaces, Roberta Fantoni, ENEA FSN-TECFIS, CR Frascati
- 11.2 Development of plasma diagnostics in support of PETAL on LMJ laser facility. First preliminary PETAL experiment, RAFFESTIN Didier, Centre Laser Intenses et Applications, Université de Bordeaux-CNRS-CEA, UMR 5107, F-33405 TALENCE, France
- 11.3 Vacuum ultraviolet absorption spectroscopy of oxygen discharges, Jean-Paul Booth, LPP-CNRS, Ecole Polytechnique, Palaiseau, France
- 11.4 Imaging Neutral Particle Analyzer Measurements of the Confined Fast Ion Profile and Instability Induced Transport in DIII-D, Michael Van Zeeland, General Atomics
- 12.1 X-ray temporal and spatial diagnosis technology in ShenGuang laser facilities, Xing Zhang, Laser Fusion Research Center, China Academy of Engineering Physics
- 12.2 X-Ray Diagnostics and Analysis of Inertial Confinement Fusion Implosions on the National Ignition Facility, Arthur Pak, Lawrence Livermore National Laboratory

- 12.3 Real-time Control of Plasma Parameters with Measurements by Faraday-effect Polarimetry On EAST tokamak, Shouxin Wang, Institute of Plasma Physics, Chinese Academy of Sciences
- 13.1 The impact of improved plasma diagnostics on modeling the Xray Universe, Junjie Mao, Strathclyde/SRON
- 13.2 High rate neutron and gamma ray spectroscopy of magnetic confinement fusion plasmas, Marco Tardocchi, CNR-IFP
- 13.3 Phase-enhanced x-ray radiography for dense plasma studies, Luca Antonelli, University of York
- 13.4 Fluorescence measurements of atomic species in discharges and flames, Pavel Dvorák, Masaryk University, Faculty of Science
- 14.1 EUV-induced microplasmas, created in atomic and molecular gases, Andrzej Bartnik, Institute of Optoelectronics, Military University of Technology, Warsaw, Poland
- 14.2 Cavity enhanced laser spectroscopy of oxidation chemistry in atmospheric pressure plasmas, Professor Grant Ritchie, Department of Chemistry, Physical and Theoretical Chemistry Laboratory, University of Oxford, South Parks Road, Oxford, OX1 3QZ
- 14.3 Multidiagnostics setups for Magnetoplasmas devoted to Astrophysics and Nuclear Astrophysics Research in Compact Traps, EUGENIA NASELLI, Istituto Nazionale di Fisica Nucleare -Laboratori Nazionali del Sud (INFN-LNS), Catania, Italy
- 14.4 TES detectors applications for scientific instruments in space and ground Paolo Bastia Thales Alenia Space Italia S.p.A.
- 14.5 Versatility and Flexibility of the Tracer-Encapsulated Solid Pellet as a Diagnostic Tool in Magnetic Fusion Plasmas, Naoki Tamura, National Institute for Fusion Science, National Institutes of Natural Sciences

Session in memory of Anatoly Faenov (X-ray spectroscopy and X-ray imaging)

F1 Progress in X-ray spectroscopy and imaging diagnostics for high energy density studies with lasers, Sergey Pikuz, Joint Institute for High Temperatures RAS, Moscow, Russia

- F2 Relativistic laser plasma of gas cluster targets particle and X-ray diagnostics, Yuji Fukuda, Kansai Photon Science Institute (KPSI), National Institutes for Quantum and Radiological Science and Technology (QST)
- F3 X-ray imaging of bio/medical samples using laser-plasma-based X-ray sources and LiF detector, Francesco Flora, ENEA, the Italian National Agency for New Technologies, Energy and Sustainable Economic Development
- F4 Overview on heavy ion beam plasma research with respect to Accelerator Driven High Energy Density Science Perspectives at HIAF (China) and FAIR (Ge, Dieter H.H. Hoffmann, Xi'An Jiaotong University
- F5 X-ray diagnostics in Laboratory Astrophysics, Koenig, Laboratoire LULI
- F6 X-ray emission from autoionizing states: dielectronic satellites and hollow ions, Frank Rosmej, Sorbonne University
- F7 Advanced non-LTE radiation kinetics modeling in ATOMIC, Joe Abdallah, Theoretical Division, Los Alamos National Laboratory, Los Alamos, New Mexico 87545, USA

Oral Presentations

- O1.1 passive spectroscopy for magnetized plasma turbulence study, Esmat Ghorbanpour, University of Guilan
- O1.2 New stripe tube technology for ultra-fast time response in Inertial Confinement Fusion in China, Feng Wang, Laser Fusion Research Center, China Academy of Engineering Physics
- O1.3 Diagnosing forward fast electrons in relativistic laser-foil interactions using terahertz emission, Yutong Li, Institute of Physics, Chinese Academy of Sciences
- O1.4 Deep Neural Networks for Plasma Tomography with Applications to JET and COMPASS, Diogo Carvalho, Instituto de Plasmas e Fusão Nuclear (IPFN/IST)
- O1.5 Characterization of new radio-frequency setup for studying large 2D complex plasmas, Volodymyr Nosenko, Institute of Materials Physics in Space, German Aerospace Center DLR

- O1.6 Evolution of plasma instabilities with slow energy deposition in an exploding wire, Gonzalo Rodríguez Prieto, INEI UCLM
- O2.1 Time-resolved diagnostics of a pulsed magnetron sputtering discharge with a Co target operated in an argon/oxygen gas mixture, Rainer Hippler, Institute of Physics CAS
- O3.1 Development and characterization of a new concept of Soft X-Rays diagnostic for tokamaks. Andrea Muraro, Istituto di Fisica del Plasma (IFP-CNR)
- O3.2 Synthetic conventional reflectometry probing of edge and scrape-off layer plasma turbulence, José Vicente, Instituto de Plasmas e Fusão Nuclear, Instituto Superior Técnico, Universidade de Lisboa, 1049-001 Lisboa, Portugal
- O3.3 Picosecond Laser-Driven Transient Electromagnetic Fields for High Energy-Density Beam Tailoring, Michael EHRET, (1) Université de Bordeaux, CNRS, CEA, CELIA (Centre Lasers Intenses et Applications), UMR 5107, Talence, France; (2) Institut für Kernphysik, Techn
- O3.4 Electron Cyclotron Emission Imaging (ECEI) and Microwave Imaging Reflectometry (MIR) Fusion Diagnostics Advances Employing Millimeter-wave System-on-C, Jo-Han Yu, University of California, Davis
- O3.5 Status of ITER diagnostic development, De Bock Maarten, ITER Organization
- O3.6 A 0.89THz heterodyne interferometer to measure electron density for inductively coupled plasma, Jibo Zhang, Institute of Plasma Physics Chinese Academy of Sciences (ASIPP)
- O3.7 Observation of thermal events on the plasma facing components of Wendelstein 7-X, Aleix Puig Sitjes, Max-Planck-Institut für Plasmaphysik
- O3.8 Neutron shielding assessment of a multi-reflectometer system for DEMO, Raul Luís, Instituto de Plasmas e Fusão Nuclear, Instituto Superior Técnico
- O4.1 High Resolution Probe for filament transport and current density study at the edge region of W7-X, Monica Spolaore, Consorzio RFX, Padova, Italy

- O4.2 Conceptual design of JT-60SA edge Thomson scattering diagnostic, Roberto Pasqualotto, Consorzio RFX
- O4.3 Recent progress on Transformational Diagnostic Development at US ICF Research Facilities, James Steven Ross, Lawrence Livermore National Laboratory
- O4.4 Diagnostics of Solar Coronal Plasmas with Compressed Sensing, Mark Cheung, Lockheed Martin Solar & Astrophysics Laboratory
- O4.5 Imaging the solid to plasma transition, Gareth O. Williams, Instituto de Plasmas e Fusão Nuclear, Instituto Superior Técnico
- O4.6 Optical diagnostics of initial phase of nanosecond discharge in liquid water, Milan Simek Institute of Plasma Physics, CAS, Prague, Czech Republic
- O4.7 New JET Diagnostic Capability to Support the Scenario Development and the Physics Programme at Different Fuel Mixtures, Andrea Murari, JET Programme Management Unit

Poster sessions

- P1.1 Development of the Space-Resolving Flux Detection Technique for the Localized Radiation Flux Measurement in Inertial Confinement Fusion, Xie Xufei, Research Center of Laser Fusion, Chinese Academy of Engineering Physics
- P1.2 The Behavior of Enthalpy of ZnO Wurtzite Phase unde Low and High Temperature and Pressure a Molecular Dynamics Prediction, Yahia chergui, Boumerdes University Igee institute
- P1.3 Positron impact electronic excitation of N2, Jorge L S Lino, Assessoria e Orientação Estudantil
- P1.4 The HRR Diagnostic program @ CLPU, Luca Volpe, centro de laseres pulsados
- P1.5 Triple Langmuir probe for diagnosis of atmospheric pressure plasma produced by Dielectric Barrier Discharge of parallel plates, Ivan Alves de Souza, Federal University of Rio Grande do Norte (UFRN)
- P1.6 Synthetic far-infrared laser diagnostic system on HL-2A tokamak, Yonggao LI, Southwestern Institute of Physics
- P1.7 A neutron-diagnostic method using a BF3 detector array for ultrashortpulse-laser neutron sources in strong gamma-ray environments, GuoErfu, Shanghai Institution of Laser Plasma

- P1.8 First Mirror Test in JET for ITER: Complete overview after campaigns in JET with carbon and metal walls, Marek Rubel, KTH Royal Institute of Technology, Stockholm, Sweden
- P1.9 Experimental study of driven uniformity of VISAR on ShenGuang-III prototype laser facility, Ji Yan, Laser Fusion Research Center
- P1.10 Development of Specific-Region Flux Diagnosis for Inertial Confinement Fusion Experiments, Lifei Hou, Laser Fusion Research Center, China Academy Engineering Physics
- P1.11 CXRS-DIAGNOSTICS OF THE T-15MD TOKAMAK, Ivan Zemtsov, National Research Center «Kurchatov Institute»
- P1.12 ITPA R&D Activities in Support of ITER Diagnostics, MAZON Didier, CEA CADARACHE
- P1.13 ACTIVATION ANALYSIS OF THE DNFM DIAGNOSTICS DETECTOR MODULE, Davlet Kumpilov, Project center ITER, Moscow, Russia
- P1.14 Statistical characteristics of Thomson scattering data, Donald H. McNeill, consultant, 5903 Liebig Ave., Apt. 1, Bronx, NY 10471, USA
- P1.16 Preliminary study of a visible, high-resolution spectrometer for DEMO divertor survey, Winder Gonzalez, Forschungszentrum Jülich GmbH, Institut für Energie und Klimaforschung - Plasmaphysik, 52425 Jülich, Germany
- P1.17 Benchmarking of CXRS modelling against JET experimental data, Stanislav Serov, Institution "Project Center ITER", Moscow, Russia
- P1.19 Michelson interferometer diagnostic for electron cyclotron emission measurement on SST-1: Overview of system assembly, transmission line layout in-la, Abhishek Sinha, Institute for Plasma Research, HBNI, Bhat, Gandhinagar, India
- P1.20 Energy and Pitch Angle Resolved Escaping Beam Ion Measurement by Faraday-cup-based Fast Ion Loss Detector in Wendelstein 7-X, Kunihiro OGAWA, National Institute for Fusion Science
- P1.21 Development of capillary plate neutron detector filed with liquid scintillator by using recoiled-particle trajectory analyses, Takeo Nishitani, National Institute for Fusion Science
- P1.22 JET Enhanced Diagnostic Capabilities and Scientific Exploitation in Support of Deuterium-Tritium Campaigns, Joao Figueiredo, IPFN
- P1.23 Observation of the TESPEL-injected impurities behavior by the PHA system at Wendelstein 7-X, Monika Kubkowska, IPPLM
- P1.24 Hardware design and beam modeling of the imaging heavy ion beam probe diagnostic at ASDEX Upgrade, Gregor Birkenmeier, Max Planck Institute for Plasma Physics

- P1.25 Fast measurements of the ion temperature in the scrape-off layer of the COMPASS tokamak, Jiri Adamek, Institute of Plasma Physics of Czech Academy of Sciences
- P1.26 Optimization of the collective Thomson scattering system on Wendelstein 7-X, Ivana Abramovic, Eindhoven University of Technology
- P1.27 Electromagnetic Inverse Profiling for Plasma Diagnostics in compact microwave-based Ion Sources, Giuseppe Torrisi, Istituto Nazionale di Fisica Nucleare - Laboratori Nazionali del Sud (INFN-LNS)
- P1.28 Measurement of the electron temperature by soft x-ray pulse height analyzer on J-TEXT, Zhongyong Chen, Huazhong University of Science and Technology
- P1.29 Heavy ions induced plasma scintillation experiments, Maxime LAMOTTE, CEA Cadarache
- P1.30 Five-channel tunable W-band Doppler backscattering system in the Experimental Advanced Superconducting Tokamak, Xi Feng, KTX Laboratory and Department of Engineering and Applied Physics, University of Science and Technology of China, Anhui Hefei 230026, China
- P1.31 Effect of reflections on 2D tomographic reconstructions of filtered cameras and on interpreting spectroscopic measurements in the JET ITER-like wall d, Juuso Karhunen, Aalto University
- P1.32 Simulation of X-ray conversion into primary electrons in GEM-based detector, Karol Malinowski, Institute of Plasma Physics and Laser Microfusion
- P1.33 High Bandwidth Diagnostics for MAST-U Using FPGA Technology, Charles Vincent, Durham University
- P1.34 Development of NPA Array Using Single Crystal CVD Diamond Detectors, Shuji Kamio, National Institute for Fusion Science
- P1.35 Neutron flux evaluation by a single crystal CVD diamond detector in LHD deuterium experiment, Makoto Kobayashi, National Institute for Fusion Science
- P1.36 Integrated polychromator and data acquisition system for the laser Thomson scattering diagnostic, Andrej Lizunov, Budker Institute of nuclear physics
- P1.37 Plasma Diagnositcs for Laser Megajoules, jean-baptiste haumonte, BERTIN TECHNOLOGIES
- P1.38 UV Timing Fiducial for X-Ray Streak Camera: LMJ Experimental Results, REMY, CEA
- P1.39 3D simulations of Photonis® P510/PSU streak tube, Champeaux CEA

- P1.40 Development of Electron Cyclotron Emission Imaging system on J-TEXT Tokamak, Zhoujun Yang, Huazhong University of Science and Technology
- P1.41 Neutron Detection System for PW Laser Facility, Hongjie LIU, Research Center of Laser Fusion, CAEP
- P1.42 Assessment of tomography signals in view of neural network reconstruction, Rúben Valentim Alves Cardoso, Instituto de Plasmas e Fusão Nuclear
- P1.43 Development of an adjustable Kirkpatrick-Baez microscope for laser driven x-ray sources at CLPU, Ghassan ZERAOULI, Centro de Laseres Pulsados (CLPU)
- P1.44 EVALUATION OF PLASMA PARAMETERS AND EXPERIMENT ON THE PF -30 INSTALLATION, Anuar Zhukeshov, KazNU
- P1.45 Development of Multi-Channel Dual Correlation Reflectometer Based on Multiplexer Technique, Peiwan Shi, Southwestern Institute of Physics
- P1.46 The stray laser light simulation and optimized mechanical design of beam dump for Thomson scattering system in HL-2M tokamak, Chunhua Liu, Southwestern Institute of Physics
- P1.47 A new double crystal calibration system for absolute X-ray emission measurements, Lauren Hobbs, AWE Plc
- P1.48 Recent Doppler backscattering applications in Globus-M tokamak, Alexander Yashin, Peter the Great St. Petersburg Polytechnic University
- P1.49 Brilliant and energetic alpha-particle source based on proton boron nuclear fusion, Lorenzo Giuffrida, Institute of Physics ASCR, v.v.i (FZU), ELI-Beamlines project, Prague, Czech Republic
- P1.50 Brilliant and energetic alpha-particle source based on proton boron nuclear fusion, Lorenzo Giuffrida, Institute of Physics ASCR, v.v.i (FZU), ELI-Beamlines project, Prague, Czech Republic
- P1.51 Impact of thermal environment on metal resistor bolometers and concepts for compensation, Florian Penzel, Max Planck Institute for Plasma Physics, Boltzmannstr. 2, 85748 Garching, Germany
- P1.52 Improvement of Light Collection Systems for KSTAR Thomson Scattering Diagnostic, Jong-ha Lee, National Fusion Research Institute
- P1.53 Upgrade of FMCW reflectometer on HL-2A tokamak, Yang ZengChen, Southwestern Institute of Physics, Chengdu, China
- P1.54 Development of a calibration system for the compact pinhole NPA on HL-2A/M, Zang Linge, Southwestern Institute of Physics

- P1.55 Hard X-ray pinhole camera system in the HL-2A tokamak, ZHANG Yipo, Southwestern Institute of Physics
- P1.56 Advancements of quasi-optical system for Electron Cyclotron Emission Imaging diagnostic on J-TEXT tokamak, Xianli Xie, Huazhong University of Science and Technology
- P1.57 Spectrometer of fast neutrons and gamma rays based on stilbene scintillator in the Gas Dynamic Trap device, Egor Pinzhenin, Budker Institute of Nuclear Physics
- P1.58 Impact of injecting different TESPEL-types on Wendelstein 7-X plasmas, René Bussiahn, Max-Planck-Institut für Plasmaphysik, Teilinstitut Greifswald, Germany
- P1.60 Two-crystal upgrade for High-Resolution X-ray Imaging Crystal Spectrometers on EAST, Bo Lyu, Institute of Plasma Physics, Chinese Academy of Sciences
- P1.61 A flexible and compact electronic system for the bolometric diagnostic with on-line calibration capability, Carlo Neri, ENEA
- P1.62 A new electronic system for bolometric diagnostic based on metal foils on FTU device, Gerarda Apruzzese, ENEA, Fusion and Technologies for Nuclear Safety Department, C.R. Frascati
- P1.63 Innovative X and gamma rays detection with Silicon and gas detectors coupled to microchip electronics for laser produced plasmas, Danilo Pacella, ENEA-Frascati
- P1.64 Comprehensive quantitative plasma diagnostic using a mid-infrared frequency comb analyzing an industrial plasma processes, Norbert Lang, Leibniz Institute for Plasma Science and Technology (INP), Felix-Hausdorff-Straße 2, 17489 Greifswald, Germany
- P1.65 Neutron diagnostics for DEMO, Marco Cecconello, Department of Physics and Astronomy, Uppsala University, EURATOM-VR Association, Uppsala, Sweden
- P1.66 Electron Optic modelling of Bilamellar Streak Tubes, Steven James, AWE Plc.
- P1.67 Radiography of inertial confinement fusion implosions using hard X-rays generated by a short pulse laser, Yuchi Wu, Research Center of Laser Fusion, CAEP
- P1.69 Ion Collection by Flush Mounted Probes in Particle-in-cell Simulation, Ales Podolnik, Institute of Plasma Physics of Czech Academy of Sciences

- P1.70 Mineral insulated cable assessment for inductive magnetic diagnostic sensors of a hot-wall tokamak, André Torres, Institute of Plasma Physics of the CAS
- P1.71 Electric Characterization of Homemade AC Glow Discharge Plasma and Application on Fish Protein Films for Food Packaging, Magno Pinto Collares, Fereral University of Rio Grande, Rio Grande do Sul, 96203-900 Brazil.
- P1.72 Design and experiment of short pulse laser plasma x-ray using source coded, Tiankui Zhang, Laser Fusion Research Center
- P1.73 Absolute spectral calibration of Thomson scattering systems using Rayleigh scattering, Evan R Scott, Max-Planck-Institut für Plasmaphysik
- P1.74 Plasma diagnostics in hybrid reactive pulsed HiPIMS magnetron sputtering system combined with RF-ECWR plasma, Zdenek Hubicka, Institute of Physics CAS, Na Slovance 2, Prague 8, 182 21, Czech Republic
- P1.75 Utilizing silicon photomultiplier detectors for low light level high frequency measurements in fusion diagnostics, Daniel Dunai, Wigner Research Centre for Physics, Budapest, Hungary
- P1.76 Bremsstrahlung Cannon for the characterization of hot electrons generated in high-intensity laser-plasma interactions, Olena Turianska, CELIA, University of Bordeaux, France
- P1.77 Designing for Remote Handling: the case-study of the ITER Plasma Position Reflectometry in-vessel antennas, Alberto Vale, IPFN-IST
- P.1.78 Use of VISAR for Equation of State Measurements of Diamond up to 4 Mbar, Donaldi Mancelli, Universitè de Bordeaux, CNRS, CEA, CELIA, Donostia International Physics Center
- P2.2 New Infrared imaging diagnostic for the Neutral Beam Heating System at the TJ-II stellarator, Macarena Liniers, Laboratorio Nacional de Fusion-CIEMAT
- P2.3 Time resolved X- ray emission diagnostics in an axis-symmetric simple mirror trap, Giuseppe Castro, INFN- Laboratori Nazionali del Sud
- P2.4 Electron beams as plasma diagnostics tools: modelling approach and first experiments, A. Galatà, INFN- Laboratori Nazionali del Sud
- P2.5 Temperature Calculation Using a Multispectral Infrared Camera, Alexandrine Huot, Telops
- P2.6 Real-time multi-threaded reflectometry density profile reconstructions on COMPASS tokamak, Pedro Deus Lourenço, IPFN-IST

- P2.7 Forward Modelling an Imaging Motional Stark Effect Diagnostic for Edge Current Density Measurements on MAST-U, Sam Gibson, Durham University
- P2.8 A wave absorption diagnostic for electron plasma waves, Fred Skiff, University of Iowa
- P2.9 Thomson Scattering Systems on Advanced Beam Driven C-2W FRC Experiment, Kan Zhai, TAE Technologies, Inc.
- P2.10 Overview of C-2W Field-Reversed Configuration Plasma Diagnostics, Hiroshi Gota, TAE Technologies, Inc.
- P2.11 Three dimensional tomographic reconstruction of edge impurity emission base on the imaging system on the J-TEXT tokamak, Zhipeng Chen, Huazhong University of Science and Technology, Wuhan, China
- P2.12 A new dual-HCN laser diagnostic system on J-TEXT, Gao Li, School of Electrical and Electronic Engineering, Huazhong University of Science and Technology
- P2.13 Development of Wide-Frequency Range Antenna Array for Microwave Imaging Diagnostics, Daisuke Kuwahara, Chubu University
- P2.14 Velocity-space sensitivity of the Neutron Camera Upgrade on MAST-U, Andrea Sperduti, Uppsala University
- P2.15 Validating the ASCOT modelling of NBI fast ions in Wendelstein 7-X, Simppa Äkäslompolo, Max-Planck-Institut für Plasmaphysik, Teilinstitut Greifswald, Greifswald, Germany
- P2.16 Upgrades to the KSTAR ECE diagnostic with a W-band radiometer, Kyu-Dong Lee, National Fusion Research Institute
- P2.17 Estimates of TPR spectrometer instrumental signal-to-background ratios and count rate limits for ITER like plasmas, Benjaminas Marcinkevicius, Uppsala University
- P2.18 Development of Li, Na, K, Rb and Cs thermionic ion sources using SiC block heater technology, Gábor Anda, MTA Wigner RCP, Hungary
- P2.19 Preliminary design of quasioptic system for the interferometer for COMPASS-U tokamak, Mykyta Varavin, Institute of Plasma Physics of Academy of Sciences of Czech Republic
- P2.21 The development of high performance streak cameras for ICF applications, Xing Wang, Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences
- P2.22 Development of a new bolometric camera for vertical view in WEST, P. Devynck, CEA, IRFM, F-13108 St. Paul-lez-Durance cedex, France

- P2.23 First neutron spectroscopy measurements with a compact C7LYC based detector at EAST, Davide Rigamonti, Istituto di Fisica del Plasma "P. Caldirola", CNR, Milano, Italy
- P2.25 Benchmarking of the EM modelling of the ITER plasma position reflectometry in-vessel antennas using prototype tests, Jorge H. Belo, Instituto de Plasmas e Fusão Nuclear
- P2.26 Study of N2 transport with residual gas analysis in fusion devices, Aleksander Drenik, Max-Planck-Institut fuer Plasmaphysik
- P2.27 Benchmarking 2D against 3D FDTD codes in the assessment of reflectometry performance in fusion devices, Filipe José Fernandes Manuel da Silva, Instituto Superior Técnico - Instituto de Plasmas e Fusão Nuclear
- P2.28 Charged particle detector for Breit-Wheeler pair-production experiments, Dimitri Khaghani, CELIA
- P2.29 Comparison of Phase-extraction Methods of Dispersion Interferometers, Jens Knauer, Max-Planck-Institut für Plasmaphysik, Wendelsteinstr. 1, 17491 Greifswald, Germany
- P2.30 ISTTOK poloidal field coils positioning assessment, Horácio Fernandes, Instituto de Plasmas e Fusão Nuclear, Instituto Superior Técnico, Universidade de Lisboa
- P2.31 Design status of the in-vessel components for the ITER plasma position reflectometers of gaps 4 and 6, Paulo Varela, IPFN
- P2.32 Diagnostics and stabilisation of fusion relevant, laser-accelerated highenergetic proton beams with miniaturised Rogowski coils, Johannes Gruenwald, Gruenwald Laboratories
- P2.33 Tomographic reconstruction of COMPASS tokamak edge turbulence from single visible camera data and automatic structure tracking, Nicolas LEMOINE, IJL, Université de Lorraine, UMR 7198 du CNRS
- P2.34 First measurement of impurity density with the combination of the CXRS and BES systems on EAST tokamak, yingying Li, Institute of Plasma Physics Chinese Academy of Sciences
- P2.36 The spectroscopy diagnostics for the ESTHER facility, Rui Gomes, Instituto de Plasmas e Fusão Nuclear / IST
- P2.37 On the reconstruction method of hollow density profiles using relfectometry data in fusion plasmas, S. Heuraux, IJL CNRS-University of Lorraine
- P2.38 Studies of the Microwave Reflectometer Design for the COMPASS-U, Ondrej Bogar, Institute of Plasma Physics, The Czech Academy of Sciences, Prague, Czech Republic

- P2.39 Real-time detection and correction of frequency sweeping nonlinearities of FMCW reflectometer microwave sources, Jorge M. Santos, Instituto de Plasmas e Fusão Nuclear
- P2.40 Assessment of a multi-reflectometers positioning system for DEMO plasmas, Emanuel Alves Ricardo, Instituto de Plasmas e Fusão Nuclear, Instituto Superior Técnico
- P2.41 Calculation of absolute values of laser plasma X-ray emission intensity generated during Si foils irradiation by picosecond laser pulses with intensity, Sergey Ryazantsev, Joint Institute for High Temperatures of the Russian Academy of Sciences (JIHT RAS)
- P2.42 Characterization of modified 90deg cylindrical energy analyzer with electron beam, Ridhima Sharma, Instituto Superior Tecnico
- P2.43 An absolutely-calibrated extreme UV imaging spectrometer for the WEST tokamak, Rémy GUIRLET, CEA-IRFM
- P2.44 Comparative analysis of the characteristics of the plasma stream in the MPC facility, depending on different kind of working gases, Tetiana, National Science Center "Kharkov Institute of Physics and Technology", Institute of Plasma Physics
- P2.45 X-ray daignostics of hydrodynamic phenomena in laser-induced astrophysically-relevant plasma, Filippov Evgeny, Joint Institute for High Temperatures of the Russian Academy of Sciences
- P2.46 Research network and contribution of Prof. A. Faenov in high energy density experimental science and X-ray diagnostics, Pikuz Tatiana, Osaka University
- P2.47 Near-wall plasma acceleration measurements with the incoherent and coherent Thomson scattering diagnostics at Magnum-PSI, Jonathan van den Berg, DIFFER
- P2.48 Stark width and shift of He I spectral lines at plasma conditions of astrophysical interest, Marco Antonio Gigosos, Departamento de Física Teórica, Atómica y Óptica, Universidad de Valladolid, Spain
- P2.49 Time resolved x-ray imaging of hot electron generation at shock ignition relevant laser intensities, Oldrich RENNER, Institute of Physics of ASCR & ELI-Beamlines, 18221 Prague, Czech Republic
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