



50th EPS Conference on Plasma Physics

Salamanca, 8 - 12 July 2024

8 July	<h2>MONDAY – P1</h2>
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Location	First name	Last name	Title	Session
P1-001	ABDELHAK	MISSAOUI	Source Terms Impact on Magnetized Radio-Frequency Plasma Sheath with Super-extensive Electrons	Basic, Space & Astrophysical Plasmas
P1-002	IGOR	GIRKA	Surface wave propagation along a narrow/wide transition layer in a slab Voigt geometry	Basic, Space & Astrophysical Plasmas
P1-003	CYRILLE	SEPULCHRE	Characterisation of plasma turbulence and suprathermal ion transport in a magnetic X-point on TORPEX	Basic, Space & Astrophysical Plasmas
P1-004	THERSHI SIDDARTH	SEEBARUTH	Simulations and experiments of shocks in weakly collisional plasma	Basic, Space & Astrophysical Plasmas
P1-005	AMULYA KUMAR	SANYASI	Quasi-Longitudinal (QL) Whistler Turbulence Induced Reduced Electrostatic Particle Flux in Large Volume Plasma Device	Basic, Space & Astrophysical Plasmas
P1-006	TROY	CARTER	Heating and transport studies using the Basic Plasma Science Facility	Basic, Space & Astrophysical Plasmas
P1-007	GIACOMO	PIEROTTI	Influence of N2 vibrational kinetics on reactive species production in a humid air volumetric DBD reactor	Low Temperature and Dusty Plasmas
P1-008	FABIO	RAGAZZI	A quasi-2D approach for simulating corona discharges in air	Low Temperature and Dusty Plasmas
P1-009	WATARU	KIKUCHI	Spectroscopic Measurement of Atmospheric-pressure Non-equilibrium Ar Plasma Based on Line Spectra with Undetected Level Densities	Low Temperature and Dusty Plasmas
P1-010	TSVETELINA	PAUNSKA	Atmospheric pressure expanding Arc Discharge with multiple pin-to-pin electrodes	Low Temperature and Dusty Plasmas
P1-011	JULIEN	HERBELOT	Electric field measurements in the presence of magnetic field with the EFILe diagnostic	Low Temperature and Dusty Plasmas
P1-012	EMILIO	MARTINES	Optical emission spectroscopy of a plasma jet for biomedical applications	Low Temperature and Dusty Plasmas
P1-013	HIMANSHU	MISHRA	Electron Density Measurements in Low-Pressure Plasmas using Cutoff Probes and Comparison with Hairpin and Langmuir Probes	Low Temperature and Dusty Plasmas
P1-014	SAEEDAH	KHOSRAVI	Inactivation of Multi-Drug Resistant P. aeruginosa Biofilm by Synergistic Antimicrobial Effects of Atmospheric Pressure Non-thermal Argon Plasma and Ciprofloxacin Antibiotic	Low Temperature and Dusty Plasmas
P1-015	MD MAMUNUR	RASHID	SDBD air plasma source equipped with environmental sensor for application to bacteria inactivation	Low Temperature and Dusty Plasmas



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P1-016	SEHEE	LEE	Development of arc + microwave plasma and catalyst combined type large capacity semiconductor waste gas scrubber	Low Temperature and Dusty Plasmas
P1-017	LEONARDO	ZAMPIERI	Role of nitroxides and peroxides in the inactivation of bacteria: a survey	Low Temperature and Dusty Plasmas
P1-018	ALFONSO	MATEO	Two-Dimensional Simulations of Proton Fast Ignition Cone-in-Shell Targets	Beam Plasmas & Inertial Fusion
P1-019	SUSHIL	SINGH	Generation of mono-energetic electrons from laser plasma experiments at Prague Asterix Laser System	Beam Plasmas & Inertial Fusion
P1-020	RAFAEL	ALMEIDA	Arbitrary Electromagnetic Wave Packets in Particle in Cell Codes	Beam Plasmas & Inertial Fusion
P1-021	RAOUL	TRINES	Laser harmonic generation with tuneable orbital angular momentum using a structured plasma target	Beam Plasmas & Inertial Fusion
P1-022	JESUS	LOPEZ	PIC simulation of plasma wakefield generation in microwave waveguides	Beam Plasmas & Inertial Fusion
P1-023	JALAJ	JAIN	Preliminary Studies on the Effects of Ultra High Dose Rate Pulsed X-ray In-Vitro Irradiation on Cancer Cells Using a kilojoule Plasma Focus Device	Beam Plasmas & Inertial Fusion
P1-024	PABLO	MARTÍN-LUNA	Excitation of wakefields in carbon nanotubes: Hydrodynamic approach vs PIC simulations	Beam Plasmas & Inertial Fusion
P1-025	KARL	KRUSHELNICK	The ZEUS multi-Petawatt laser user facility	Beam Plasmas & Inertial Fusion
P1-026	STEVEN	BATHA	Radiochemical Diagnosis of Double Shell Capsule Implosions	Beam Plasmas & Inertial Fusion
P1-027	LING JEN	VANESSA PHUNG	Implementation of the optical diagnostic techniques in target sources characterisation for the laser wakefield acceleration-based experiment at ELI-NP	Beam Plasmas & Inertial Fusion
P1-028	CATERINA	RICONDA	Coherent subcycle optical shock from a superluminal plasma wake	Beam Plasmas & Inertial Fusion
P1-029	JAVIER	HONRUBIA	Fast ignition of inertial fusion targets by ions heavier than protons	Beam Plasmas & Inertial Fusion
P1-030	OWEN	CAVANAGH	Proton Post-Acceleration with Helical Coils at ELI Beamlines	Beam Plasmas & Inertial Fusion
P1-031	HENRIK	JÄRLEBLAD	Fast-ion velocity-space tomography in the JET DTE2 campaign	Magnetic Confinement Fusion Plasma
P1-032	LONG	ZENG	Characteristics of the thermal-quench process in the EAST disruptions	Magnetic Confinement Fusion Plasma
P1-033	JOSÉ LUIS	VELASCO	Robust stellarator optimization via flat mirror magnetic fields	Magnetic Confinement Fusion Plasma
P1-034	GABRIELE	PARTESOTTI	Improved weighted sum estimation of total radiated power at Wendelstein 7-X	Magnetic Confinement Fusion Plasma
P1-035	YANG	YE	First experimental results of a Compact Torus injection (central fueling) on a medium-sized Tokamak EAST	Magnetic Confinement Fusion Plasma
P1-036	LINA	VELARDE	Effect of externally-applied magnetic perturbations on fast-ion confinement in MAST-U	Magnetic Confinement Fusion Plasma



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P1-037	RUI	COELHO	Alfvén eigenmode analysis of strong electron heated pulses of JET DTE2 plasmas using MEGA	Magnetic Confinement Fusion Plasma
P1-038	CRISTIANO	LEONI	Scrape-off Layer opacity to D and T gas puff fueling in JET baseline scenario	Magnetic Confinement Fusion Plasma
P1-039	JOQ	JAKUBOWSKI	Significant widening of divertor power flux distribution with increasing SOL power due to enhanced anomalous transport at Wendelstein 7-X	Magnetic Confinement Fusion Plasma
P1-040	VITO KONRAD	ZOTTA	Predictive modelling of JET baseline scenarios from DTE2 towards DTE3	Magnetic Confinement Fusion Plasma
P1-041	EDMONDO	GIOVANNOZZI	Low frequency intra ELM pedestal MHD activity observed in low collisionality peeling limited scenario on JET	Magnetic Confinement Fusion Plasma
P1-042	KEN	MCCLEMENTS	Studying fast-ion populations in MAST-U using oscillations in solid-state neutral particle analyser signals and neutral-beam power	Magnetic Confinement Fusion Plasma
P1-043	TUOMAS	TALA	Isotope and Species Scaling between Dimensionally Matched JET Deuterium, Tritium and Helium L-mode Plasmas	Magnetic Confinement Fusion Plasma
P1-044	DMYTRO	GREKOV	ICRF Slow Wave Simulations in JET	Magnetic Confinement Fusion Plasma
P1-045	FRANCIS CLINTON PRASANTH	ALBERT DEVASAGAYAM	Gyrokinetic and TGLF simulations of JET ICRH only H-mode plasmas and dimensionally matched Deuterium, Tritium and Helium L-mode discharges	Magnetic Confinement Fusion Plasma
P1-046	HAMPUS	NYSTRÖM	Effects of resistivity on predictive pedestal modeling for JET	Magnetic Confinement Fusion Plasma
P1-047	MADS RUD	LARSEN	4D reconstruction of JET DTE2 fast-ion distribution function based on synthetic data	Magnetic Confinement Fusion Plasma
P1-048	EMILIA R.	SOLANO	Potential research programme for JET	Magnetic Confinement Fusion Plasma
P1-049	LORENZO	FRASSINETTI	Peeling limited pedestal experiments in JET-ILW and MAST-U	Magnetic Confinement Fusion Plasma
P1-050	AARO	JÄRVINEN	State representation learning algorithms for data-driven predictions of tokamak pedestals	Magnetic Confinement Fusion Plasma
P1-051	FRANCESCO PAOLO	ORSITTO	High beta experiments on JET in preparation of JT-60SA	Magnetic Confinement Fusion Plasma
P1-052	GIULIA	MARCER	Measurement of the fusion power in DT plasmas of JET DTE3 campaign based on the D(T, ³ He) γ reaction gamma-ray emission	Magnetic Confinement Fusion Plasma
P1-053	PEI	REN	Impact of boronization on the edge plasma distributions with the island divertor on Wendelstein 7-X	Magnetic Confinement Fusion Plasma
P1-054	JACOPO	LOMBARDO	Interpretative TRANSP analysis of JET baseline scenario: performance dependence on kinetic plasma parameters	Magnetic Confinement Fusion Plasma
P1-055	ANDREAS	LANGENBERG	Towards Stationary High Performance Plasmas at Wendelstein 7-X	Magnetic Confinement Fusion Plasma
P1-056	YOANA	NAKEVA	Analysing pedestal stability with seeded impurities in H-mode plasma in JET-ILW	Magnetic Confinement Fusion Plasma



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P1-057	ATTILA	BUZÁS	Cross-diagnostic analysis of plasma filaments on the Wendelstein 7-X stellarator	Magnetic Confinement Fusion Plasma
P1-058	FRANCISCO JAVIER	ARTOLA SUCH	Current Quench duration, material assimilation and plasma re-heating studies for Shattered Pellet Injection experiments in JET	Magnetic Confinement Fusion Plasma
P1-059	CRISTIAN	SOMMARIVA	Generation and time evolution of island-like patterns in synchrotron radiation videos of JET runaway electron beams: a numerical investigation with the aid of the JOREK code	Magnetic Confinement Fusion Plasma
P1-060	WENYIN	WEI	Enlarging the divertor wet area through the lobe structure intertwined by the stable and unstable manifolds of the outermost X-cycle	Magnetic Confinement Fusion Plasma
P1-061	YEVHEN	SIUSKO	Wendelstein 7-X ultrashort electron cyclotron resonance heating discharge for wall conditioning	Magnetic Confinement Fusion Plasma
P1-062	JANNIK	WAGNER	In-situ spectral calibration of the Thomson scattering diagnostic at W7-X	Magnetic Confinement Fusion Plasma
P1-063	VALERIAN	HALL-CHEN	Evaluating Doppler backscattering for inferring internal magnetic pitch angle of Mega Ampere Spherical Tokamak-Upgrade plasmas	Magnetic Confinement Fusion Plasma
P1-064	EDOARDO	TOMASINA	Exploring linear plasma response for RMP ELM mitigation and suppression in MAST-U	Magnetic Confinement Fusion Plasma
P1-065	MICHELE	MARIN	Integrated modelling of JET T-rich scenario	Magnetic Confinement Fusion Plasma
P1-066	CARL	ROGGE	Towards Modeling Pellet-Produced Plasmoid Dynamics in Stellarators using the Nonlinear MHD Code JOREK	Magnetic Confinement Fusion Plasma
P1-067	HENNING	THOMSEN	Challenges on the way to a real time tomography system at the Wendelstein 7-X stellarator	Magnetic Confinement Fusion Plasma
P1-068	MASSIMILIANO	ROMÉ	FPTM 2.0: Fully relativistic bounce-averaged Fokker-Planck code for stellarators and tokamaks	Magnetic Confinement Fusion Plasma
P1-069	EDOARDO	ALESSI	Impact of light impurities injection on n=1 core MHD activity at JET	Magnetic Confinement Fusion Plasma
P1-070	YACOPO	DAMIZIA	Ion Temperature Analysis in MAST-U Divertor with ELM Temperature Measurements Using Retarding Field Energy Analyzer	Magnetic Confinement Fusion Plasma
P1-071	DAVID	SPEIRS	Collective High-k Adjustable-radius Scattering Instrument (CHASI) for electron scale turbulence measurement on MAST-U	Magnetic Confinement Fusion Plasma
P1-072	LUCÍA	SANCHIS	ASCOT simulations of helium beam-ion losses in Wendelstein 7-X	Magnetic Confinement Fusion Plasma
P1-073	JOZEF	ONGENA	First results and upgrade of the ICRH antenna system for W7-X	Magnetic Confinement Fusion Plasma
P1-074	ALF	KÖHN-SEEMANN	Coupling to electron Bernstein waves at very steep density gradients in MAST Upgrade	Magnetic Confinement Fusion Plasma
P1-075	NATHAN	SCHOONHEERE	Benign termination of runaway electron beams at JET: Radiated power and bolometry during massive material injections	Magnetic Confinement Fusion Plasma
P1-076	ANDREA	VALENTINI	Numerical and analytical calculations of orbit-wise synthetic spectra from two-step gamma-ray fusion reactions	Magnetic Confinement Fusion Plasma
P1-077	CARLOS	SILVA	Er measurements in JET L-mode plasmas for a wide range of densities – from the low recycling regime up to the density limit	Magnetic Confinement Fusion Plasma



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P1-078	MIKLOS	VECSEI	Direct analysis of density fluctuations with Alkali Beam Emission Spectroscopy at W7-X	Magnetic Confinement Fusion Plasma
P1-079	GIANLUCA	PUCELLA	High-beta NTM in JET hybrid scenarios at different toroidal magnetic fields	Magnetic Confinement Fusion Plasma
P1-080	JONATHAN	WOOD	First impurity density measurements on the ST40 tokamak	Magnetic Confinement Fusion Plasma
P1-081	GOLO	FUCHERT	Machine-learning-based correction of systematic errors in density profiles from Thomson scattering in Wendelstein 7-X	Magnetic Confinement Fusion Plasma
P1-082	MATTEO	GAMBRIOLI	Locked mode prediction through machine learning algorithms	Magnetic Confinement Fusion Plasma
P1-083	KOKI	IMADA	ELM-free and peeling-limited H-mode phases in MAST Upgrade tokamak	Magnetic Confinement Fusion Plasma
P1-084	SEBASTIAN	BANNMANN	Spontaneous reduction of anomalous particle transport in neutral beam heated Wendelstein 7-X plasmas	Magnetic Confinement Fusion Plasma
P1-085	IVAN	PARADELA PEREZ	Analysis of power balance and divertor asymmetries in MAST-U using SOLPS-ITER	Magnetic Confinement Fusion Plasma
P1-086	EUGENIO	SCHUSTER	Optimization Strategies for Model-based Scenario Planning in Tokamaks Based on Different Types of Equilibrium Solvers	Magnetic Confinement Fusion Plasma
P1-087	GABRIEL	MIRON	Derivation of the $q=1$ dynamic profile from the 1/1 perturbation amplitude	Magnetic Confinement Fusion Plasma
P1-088	EMILY	LEWIS	Physics-informed neural networks for Grad-Shafranov equilibria in JET-ILW	Magnetic Confinement Fusion Plasma
P1-089	MARIA FILOMENA	NAVE	Studies of Intrinsic Rotation in JET Ohmic Plasmas	Magnetic Confinement Fusion Plasma
P1-090	MATT	TOBIN	Operational space assessment of vertical controllability using DECAF, and predictive capability of a vertical stability metric for tokamak plasmas	Magnetic Confinement Fusion Plasma
P1-091	STEVEN	SABBAGH	Expanded Tokamak Disruption Event Characterization and Forecasting Research and Investigation of High Beta Plasmas in MAST-U	Magnetic Confinement Fusion Plasma
P1-092	KATSUJI	ICHIGUCHI	Numerical study of global flow in 3D magnetic configurations	Magnetic Confinement Fusion Plasma
P1-093	JOAQUIN	GALDON QUIROGA	Mitigation of ICRH fast-ion losses induced by Alfvén Eigenmodes using NBI: experiments and modelling in the ASDEX Upgrade tokamak	Magnetic Confinement Fusion Plasma
P1-094	RICHARD	BUTTERY	Plans to Develop Integrated Core-Edge-Wall Plasma Solutions for a Fusion Pilot Plant with an Upgrade to DIII-D	Magnetic Confinement Fusion Plasma
P1-095	BOJIANG	DING	Investigation on PDI Bifurcation of Lower Hybrid Wave During Electron Density Ramp-up in EAST	Magnetic Confinement Fusion Plasma
P1-096	GENIA	VOGMAN	A complete quasilinear model for the acceleration-driven lower hybrid drift instability and a computational assessment of its validity	Magnetic Confinement Fusion Plasma
P1-097	LIAM	PATTINSON	PlasmaFAIR: Improving the Sustainability of Software in Plasma Science	Magnetic Confinement Fusion Plasma
P1-098	QINGQUAN	YU	Numerical modelling of sawteeth and sawtooth-free regime	Magnetic Confinement Fusion Plasma



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P1-099	JINPING	QIAN	Experimental Research of ECW Pre-ionization and Assisted Start-up in EAST	Magnetic Confinement Fusion Plasma
P1-100	BERNARD	REMAN	Velocity-space tomography for 3-ion scheme ICRF heated plasmas in JET	Magnetic Confinement Fusion Plasma
P1-101	MANUEL	GARCIA MUÑOZ	Physics basis and commissioning of the SMall Aspect Ratio Tokamak (SMART)	Magnetic Confinement Fusion Plasma
P1-102	MATE	LAMPERT	Investigation of micro-tearing modes on MAST-U	Magnetic Confinement Fusion Plasma



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TUESDAY – P2

9
July

Location	First name	Last name	Title	SESSION
P2-001	CRISTINA	YUBERO	Accurate analytical parametrization of the Stark profile of the H α line.	Basic, Space & Astrophysical Plasmas
P2-002	SEIYA	NISHIMURA	Electron internal energy generation during linear growth of feedback instability in dipole magnetosphere	Basic, Space & Astrophysical Plasmas
P2-003	LAILA	KAHLON	Nonlinear Solitary Structures in Ionospheric Plasmas	Basic, Space & Astrophysical Plasmas
P2-004	KARLYGASH	DZHUMAGULOVA	Effective potentials for electron-atom and electron-ion interactions in the dense plasma	Basic, Space & Astrophysical Plasmas
P2-005	YELDOS	SEITKOZHANOV	Thermodynamic properties of dense plasmas	Basic, Space & Astrophysical Plasmas
P2-006	CHRISTINE	STOLLBERG	Thomson Scattering for RAID plasma characterization and diagnostics validation	Basic, Space & Astrophysical Plasmas
P2-007	HUAN	CHEN	Study on transient and steady-state processes of corona discharge ionic wind	Low Temperature and Dusty Plasmas
P2-008	CHEN PIN	CHANG	Numerical Study of Neutral Hydrogen Beam Production via Charge Exchange Reactions with Argon gas	Low Temperature and Dusty Plasmas
P2-009	YOSHIKO	BAILUNG	Interaction of a Strongly Coupled Dusty Plasma medium with Non-Magnetic and Magnetic obstacles	Low Temperature and Dusty Plasmas
P2-010	KYU SUNG	HEO	Research on Photoresist properties according to semiconductor etching temperature	Low Temperature and Dusty Plasmas
P2-011	BAHRAM	MAHDAVIPOUR	The influence of secondary electron emission and gas pressure on striations in electronegative capacitive chlorine discharges	Low Temperature and Dusty Plasmas
P2-012	SIMON	VINCENT	Toroidal helicon waves in TORPEX	Low Temperature and Dusty Plasmas
P2-013	GWAN-HA	KIM	Influence of substrate properties in dry etching of Ta ₂ O ₅ thin films	Low Temperature and Dusty Plasmas
P2-014	IRYNA	LITOVKO	Evaporation of microdroplets by a fast electron beam	Low Temperature and Dusty Plasmas
P2-015	MURAT	MYRZALY	Charging of dusty plasma microparticles by ion and electron fluxes with kappa distribution in collisional mode	Low Temperature and Dusty Plasmas
P2-016	CLAUDIA	RICCARDI	Regulating the wettability properties of Polytetrafluoroethylene (PTFE) via oxygen plasma treatment: influence of the operating pressure and examining the aging behavior	Low Temperature and Dusty Plasmas



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P2-017	DONG HUN	SHIN	Development of pre-plasma treatment to reduce PFCs using microwave plasma at low pressure	Low Temperature and Dusty Plasmas
P2-018	EDWARD	THOMAS	Transition to ion magnetization as a threshold for plasma and dusty plasma structure formation in the Magnetized Dusty Plasma Experiment (MDPX) device	Low Temperature and Dusty Plasmas
P2-019	RABIA	MARYAM	Enhancing polyethylene terephthalate (PET) surface wettability properties through Oxygen Plasma Treatment and Graphene Coating	Low Temperature and Dusty Plasmas
P2-020	KIERAN	WILSON	Stimulated Raman Scattering of Microwaves in an ICP	Low Temperature and Dusty Plasmas
P2-021	PASCAL	LOISEAU	Some ways to improve smoothing by spectral dispersion's efficiency for mitigating laser-plasma instabilities on the LMJ facility	Beam Plasmas & Inertial Fusion
P2-022	TAO	TAO	Machine learning assisted pulse shaping for double cone ignition implosions	Beam Plasmas & Inertial Fusion
P2-023	QUENTIN	LABRO	Simulating beam-plasma instabilities with a quasistatic particle-in-cell code	Beam Plasmas & Inertial Fusion
P2-024	IMRAN	KHAN	Ion acceleration by obliquely incident laser pulses in the presence of an external magnetic field	Beam Plasmas & Inertial Fusion
P2-025	KALYANI	SWAIN	Emergence of a conical-spiral weakly relativistic electron beam (REB) from the laser-cluster interaction in an ambient magnetic field	Beam Plasmas & Inertial Fusion
P2-026	FRANCISCO	COBOS	Compressibility correction on initial conditions of incompressible Richtmyer-Meshkov Instability models	Beam Plasmas & Inertial Fusion
P2-027	VICTOR	PEREZ-RAMIREZ	Investigating the Diffraction Efficiency Dependence on Plasma Density for Plasma Diffraction Gratings	Beam Plasmas & Inertial Fusion
P2-028	SHIH-WEI	WANG	Enhancement of Laser Target Heating Induced by Surface Nanostructures	Beam Plasmas & Inertial Fusion
P2-029	TATSUFUMI	NAKAMURA	Self-force on uniformly accelerating charged particles	Beam Plasmas & Inertial Fusion
P2-030	GABRIEL	PÉREZ-CALLEJO	Probing HED shock dynamics via 2D Talbot X-ray interferometry	Beam Plasmas & Inertial Fusion
P2-031	MING	GU	A Systematic Study of Plasma Screening on High Energy Density Plasmas	Beam Plasmas & Inertial Fusion
P2-032	CHLOE	HO	Neutron Production from Cryogenic Deuterium Ribbons at Vulcan Petawatt	Beam Plasmas & Inertial Fusion
P2-033	CONOR	FEGAN	Investigations of the Electromagnetic Fields Induced by Electron Propagation Through Near-Solid-Density Foams	Beam Plasmas & Inertial Fusion
P2-034	YONGKUN	DING	The influences of M-band flux on the fusion performance of gas capsules in Au/DU hohlraums	Beam Plasmas & Inertial Fusion
P2-035	PIERRE	BARTOLI	Probing Strong Field QED with Doppler boosted beams	QED Plasmas
P2-036	LUCAS	INIGO GAMIZ	Optimisation of Quasi-Neutral Lepton Beams using Direct Laser Acceleration	QED Plasmas
P2-037	GIUSEPPE	NICOTERA	Design of a gamma-photon spectrometer for nonlinear inverse Compton scattering experiments at the Apollon facility	QED Plasmas



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P2-038	MICHAEL	QUIN	Coherent XUV light from microbunching in an intense laser pulse	QED Plasmas
P2-039	LUCA	FEDELI	A new radiation module for the WarpX Particle-In-Cell code	QED Plasmas
P2-040	MATHIAS	SAMUELSSON	Collision parameters needed to measure polarization-dependent pair creation	QED Plasmas
P2-041	CHRISTOFFER	OLOFSSON	Towards statistical testing of strong-field QED at laser-electron colliders	QED Plasmas
P2-042	SARA	MORADI	Phase dynamics and locking of large-scale modes in plasma edge	Magnetic Confinement Fusion Plasma
P2-043	ALEXANDER	KNIEPS	FusionSC – Simplifying the daily work in fusion device modeling	Magnetic Confinement Fusion Plasma
P2-044	JUAN MANUEL	LOSADA	A three-point velocity estimation method for two-dimensional coarse-grained imaging data	Magnetic Confinement Fusion Plasma
P2-045	DONG	LI	Development and application of Bayesian based Gaussian Process Tomography (GPT) method in fusion diagnostics	Magnetic Confinement Fusion Plasma
P2-046	KUNYU	CHEN	Convective Amplification of a Resonant Parametric Instability Arises from Low-frequency Plasma Noise	Magnetic Confinement Fusion Plasma
P2-047	ARTUR	KRYZHANOVSKYY	Global Alfvénic modes excitation in fusion plasmas following magnetic reconnection events	Magnetic Confinement Fusion Plasma
P2-048	ROBIN	VARENNES	Building data-driven surrogate models using machine learning.	Magnetic Confinement Fusion Plasma
P2-049	DAVID LEONARDO	GALINDO HUERTAS	A new FELICE release coupled to TOPICA code	Magnetic Confinement Fusion Plasma
P2-050	GUODONG	ZHANG	The electromagnetic gyrokinetic simulations of ITG-TEM instability in finite- β tokamak plasmas	Magnetic Confinement Fusion Plasma
P2-051	GEORGE	THROUMOULOPOULOS	Hybrid, tokamak-pertinent equilibria with toroidal plasma rotation	Magnetic Confinement Fusion Plasma
P2-052	YANGBO	LI	Exploration and experimental results of hybrid configurations in J-TEXT	Magnetic Confinement Fusion Plasma
P2-053	SEHOON	KO	Role of an External Torque Injection for Internal Transport Barrier Formation in a Weak Magnetic Shear Configuration	Magnetic Confinement Fusion Plasma
P2-054	JONATHAN	GRAVES	Non-linear saturation of non-resonant ideal long wavelength instabilities and application to sustained hybrid operational regimes	Magnetic Confinement Fusion Plasma
P2-055	GHASSAN	ANTAR	The radial extension of the interaction between ICRH and turbulence at the tokamak edge	Magnetic Confinement Fusion Plasma
P2-056	YOUWEN	SUN	Resonant field amplification of magnetic perturbations facilitates edge localized modes suppression in EAST towards ITER baseline scenario	Magnetic Confinement Fusion Plasma
P2-057	SERGEI	KRASHENINNIKOV	On anomalous transport of multi-species edge plasma: generalized Hasegawa-Wakatani model and the FLR effects	Magnetic Confinement Fusion Plasma
P2-058	LIMING	YU	Observation of Resonant Tearing Mode Induced by Energetic-ion Redistribution Due to Sawtooth Collapse in HL-2A NBI Plasmas	Magnetic Confinement Fusion Plasma



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P2-059	JUAN	HUANG	Fully non-inductive long-pulse high-confinement plasma at high density on EAST towards future fusion reactors	Magnetic Confinement Fusion Plasma
P2-060	YIANNIS	ANTONENAS	Particle energy and momentum transport on the Arnold web of the Guiding Center motion in toroidal fusion plasmas	Magnetic Confinement Fusion Plasma
P2-061	DANIELE	HAMM	Bayesian tomographic inversions: prior design and posterior-based inference	Magnetic Confinement Fusion Plasma
P2-062	BART	VAN COMPERNOLLE	Predict-first modeling of NSTX-U discharges with a focus on the role of high-harmonic fast waves	Magnetic Confinement Fusion Plasma
P2-063	ROGERIO	JORGE	Tokamak to Stellarator Conversion using Permanent Magnets	Magnetic Confinement Fusion Plasma
P2-064	FUBIN	ZHONG	Characteristics of pedestal and ELMs in the density scan experiment on EAST	Magnetic Confinement Fusion Plasma
P2-065	CARMINE	CASTALDO	Nonlinear modeling of lower hybrid wave propagation in collisional tokamak plasmas	Magnetic Confinement Fusion Plasma
P2-066	MARKUS	MARKL	Towards an integral model resolving ion species effects and the ExB resonance in the kinetic plasma response to magnetic perturbations	Magnetic Confinement Fusion Plasma
P2-067	JOHAN	BUERMANS	Cross-diagnostic characterization of ECRH helium plasma in TOMAS	Magnetic Confinement Fusion Plasma
P2-068	K. C.	SHAING	Notes on orbit squeezing and density variation in neoclassical theory	Magnetic Confinement Fusion Plasma
P2-069	MENGDI	KONG	Study of plasmoid drifts in massive material injection with JOREK	Magnetic Confinement Fusion Plasma
P2-070	JOSÉ LUIS	DE PABLOS	Turbulence control through feedback of Zonal Flows	Magnetic Confinement Fusion Plasma
P2-071	ARTUR	MALAQUIAS	Simulation of run-away electron trajectories during current ramp-down and ramp-up in ISTTOK AC discharges	Magnetic Confinement Fusion Plasma
P2-072	SYNNE	BRYNJULFSEN	Numerical simulations of turbulence and blobs structures in the scrape-off layer of magnetized plasmas	Magnetic Confinement Fusion Plasma
P2-073	YINAN	ZHOU	The θ -dependent Faraday angle and density perturbations during the sawtooth crash on J-TEXT	Magnetic Confinement Fusion Plasma
P2-074	MANNI	JIA	Impact of tungsten wall on H-mode operational space in EAST in support of ITER new baseline	Magnetic Confinement Fusion Plasma
P2-075	JIANKUN	HUA	Edge current density distributions in the island divertor configurations on the J-TEXT tokamak	Magnetic Confinement Fusion Plasma
P2-076	DAVID	GARRIDO GONZÁLEZ	AI-driven Reduced Order Modelling for Understanding the Dynamics of Edge Tokamak Plasma Turbulence	Magnetic Confinement Fusion Plasma
P2-077	YURII	KOVTUN	Radio frequency plasma production at frequencies higher than ion cyclotron frequency at Uragan-2M stellarator	Magnetic Confinement Fusion Plasma
P2-078	GUILLAUME	LO-CASCIO	Tungsten transport with positive or negative density gradient and transport barrier in gyrokinetic simulations	Magnetic Confinement Fusion Plasma
P2-079	MATTHIAS	WIESENBERGER	Effects of plasma resistivity in FELTOR simulations of three-dimensional full-F gyro-fluid turbulence	Magnetic Confinement Fusion Plasma



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P2-080	ANNA	KRUPKA	Scaling laws of the plasma velocity in visco-resistive magnetohydrodynamic systems	Magnetic Confinement Fusion Plasma
P2-081	SVETLANA	RATYNSKAIA	Metallic melt transport across castellated tiles	Magnetic Confinement Fusion Plasma
P2-082	LUKAS	BÄHNER	Self-consistent modelling of ICRH waves and fast ions	Magnetic Confinement Fusion Plasma
P2-083	LYES	KADI	TALIF measurements of atomic hydrogen density and comparison to EIRENE simulations on the RAID linear device	Magnetic Confinement Fusion Plasma
P2-084	DANIEL	ŠVORC	Validation of tokamak magnetic equilibrium reconstructions using the SOLPS-ITER edge plasma transport code simulations	Magnetic Confinement Fusion Plasma
P2-085	ALESSANDRO	TENAGLIA	A unified approach to plasma shape control with coil current allocation in magnetic confinement fusion	Magnetic Confinement Fusion Plasma
P2-086	IRENE	CASIRAGHI	Plasma modelling with the SOLPS-ITER code in preparation for the upgrade of the GyM linear plasma device to BiGyM	Magnetic Confinement Fusion Plasma
P2-087	TENGFEI	SUN	ELM Mitigation Through self-adapting RMP generated by Divertor Biasing Current in SOL Region on the HL-2A Tokamak	Magnetic Confinement Fusion Plasma
P2-088	MATISSE	LANZARONE	Comparison of Neural Network and XGBoost Surrogate Models for Predictions of QuaLiKiz Simulation Stability and Eigenvalues	Magnetic Confinement Fusion Plasma
P2-089	HANNAH	WILLETT	Initial results from the upgraded Triple Wavelength Spectrometer on the ST40 tokamak	Magnetic Confinement Fusion Plasma
P2-090	ZIWEI	QIANG	The Long-Period Sawtooth after H-L transition on EAST Tokamak	Magnetic Confinement Fusion Plasma
P2-091	GERGO	POKOL	Kinetic modelling of runaway electron momentum distributions for large tokamaks	Magnetic Confinement Fusion Plasma
P2-092	JAKUB	VINKLÁREK	Tokamak GOLEM for fusion education – chapter 15	Magnetic Confinement Fusion Plasma
P2-093	PAULO	RODRIGUES	Guiding centre, full gyromotion, and fast-ion losses in stellarators	Magnetic Confinement Fusion Plasma
P2-094	SARA	ABBASI	Plasma Tomography at GOLEM Tokamak using Neural Network model	Magnetic Confinement Fusion Plasma
P2-095	LIONELLO	MARRELLI	RFX-mod2 plasma modelling, scenarios studies and diagnostic capability enhancements for multi-magnetic configuration fusion research	Magnetic Confinement Fusion Plasma
P2-096	WEIXING	WANG	Internal transport barrier formation induced by magnetic Islands	Magnetic Confinement Fusion Plasma
P2-097	JEREMY JOHNATHAN	WILLIAMS	Understanding Large-Scale Plasma Simulation Challenges for Fusion Energy on Supercomputers	Magnetic Confinement Fusion Plasma
P2-098	MATTEO VALERIO	FALESSI	Properties of zonal states in the presence of ion temperature gradient driven turbulence	Magnetic Confinement Fusion Plasma
P2-099	KLAUS	HALLATSCHEK	Multi-fluid and gyrokinetic Landau collisions	Magnetic Confinement Fusion Plasma
P2-100	EFSTRATIOS	KOUKOUTSIS	Quantum Simulations for Electromagnetic Wave Heating in Cold Inhomogeneous Magnetized Plasma	Magnetic Confinement Fusion Plasma



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P2-101	ELEONORA	VIEZZER	Diagnostics overview for the first experimental campaign at the SMART spherical tokamak	Magnetic Confinement Fusion Plasma
P2-102	MYRIAM	HAMED	Predictive transport modeling of microtearing turbulence in H-mode plasmas through machine learning	Magnetic Confinement Fusion Plasma
P2-103	GEORGY	SUBBOTIN	Electromagnetic System Conceptual Design for a Negative Triangularity Tokamak	Magnetic Confinement Fusion Plasma
P2-104	WOUTER	TIERENS	Sheath rectification modelling on WEST: comparison of dielectric layer and boundary condition approaches	Magnetic Confinement Fusion Plasma
P2-105	MICHELE	GUERINI ROCCO	Realtime raytracing of Electron Cyclotron waves for Neoclassical Tearing Modes control in The Divertor Tokamak Test facility	Magnetic Confinement Fusion Plasma
P2-106	MANAURE	FRANCISQUEZ	Comparison of gyrokinetic (Gkeyll) and fluid (SOLPS) studies of the scrape-off layer of a prospective spherical tokamak pilot plant	Magnetic Confinement Fusion Plasma
P2-107	GEORG	GRASSLER	Study of neoclassical toroidal viscous torque for 3D coil variants in EU-DEMO	Magnetic Confinement Fusion Plasma
P2-108	SHUZHI	YUAN	The uncertainty quantification of the free boundary G-S plasma equilibrium calculation on EAST tokamak	Magnetic Confinement Fusion Plasma
P2-109	SADAYOSHI	MURAKAMI	Simulation study of helium ash removal by ICRF heating in LHD and rippled tokamak plasmas	Magnetic Confinement Fusion Plasma
P2-110	DIEGO	DEL-CASTILLO-NEGRETE	A normalizing flow surrogate model to accelerate particle-based computations with applications to runaway electrons and chaotic transport	Magnetic Confinement Fusion Plasma



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THURSDAY – P3

Location	First name	Last name	Title	SESSION
P3-001	PRATYUSH RANJAN	SEN SARMA	Characterization of a neodymium plasma for the measurement of atomic transition probabilities	Basic, Space & Astrophysical Plasmas
P3-002	RENAT	KARIMOV	Exploring Magnetic Field Fluctuations in Ar Helicon Plasma: A Preliminary Investigation within the RAID Device using Bdot Diagnostics and Prony Method	Basic, Space & Astrophysical Plasmas
P3-003	DANIELA	GRASSO	3D magnetic reconnection driven by runaway current	Basic, Space & Astrophysical Plasmas
P3-004	ANABELLA	ARAUDO	Beam emission from magnetars as a mechanism for Fast Radio Bursts	Basic, Space & Astrophysical Plasmas
P3-005	EVE V.	STENSON	Designing a stellarator for electron-positron plasmas	Basic, Space & Astrophysical Plasmas
P3-006	TESSA	WALTENSPIEL	Study of magnetic field compression in plasma for laboratory astrophysics	Basic, Space & Astrophysical Plasmas
P3-007	ROBERTO	DE ANGELIS	Modeling of ns-LPP plume expansion for Stopping Power studies	Basic, Space & Astrophysical Plasmas
P3-008	ABHISHEK	PANCHAL	Ultra-high dose rate effects from laser-driven electrons on Fricke dosimeter	Beam Plasmas & Inertial Fusion
P3-009	MUFEI	LUO	Autoresonant plasma wave excitation in multidimensional particle-in-cell simulations	Beam Plasmas & Inertial Fusion
P3-010	GAÉTAN	SARY	Modelling picosecond X-ray PETAL backlighters	Beam Plasmas & Inertial Fusion
P3-011	DRAGOS	TATOMIRESCU	Numerical study on the influence of target density over ion acceleration and gamma production from ultra high intensity laser interactions with overdense cos ² profile argon gas jets	Beam Plasmas & Inertial Fusion
P3-012	SYLVAIN	BRIAND	Study of the solid-plasma transition by near edge X-ray spectroscopy	Beam Plasmas & Inertial Fusion
P3-013	YOSHIHIDE	NAKAMIYA	Commissioning experiment for laser-driven dark matter search with 100 TW laser system at ELI-NP	Beam Plasmas & Inertial Fusion
P3-014	ROBBIE	WILSON	On the development and commissioning of a laser-solid target area at SCAPA for laser-driven ion acceleration at 1 Hz	Beam Plasmas & Inertial Fusion
P3-015	ARGHYA	MUKHERJEE	Hole-boring radiation pressure acceleration of ion beams for fast ignition	Beam Plasmas & Inertial Fusion
P3-016	JEAN-LUC	DUBOIS	MPE project	Beam Plasmas & Inertial Fusion
P3-017	ROBERT	BABJAK	Towards DLA based gamma-photon sources	Beam Plasmas & Inertial Fusion



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P3-018	JAROSLAW	DOMANSKI	Influence of the magnetic field on the emission of hot electrons and ions from ablative plasma produced from a disc-coil target by the 1st and 3rd harmonic of the PALS laser	Beam Plasmas & Inertial Fusion
P3-019	FRIDA	BROGREN	Data-driven study of laser wakefield acceleration	Beam Plasmas & Inertial Fusion
P3-020	EMILIEN	DENOUAL	Modeling terahertz emissions from energetic electrons and ions in foil targets irradiated by ultraintense femtosecond laser pulses	Beam Plasmas & Inertial Fusion
P3-021	SUBHAJIT	BHASKAR	Effect of orbital angular momentum on self-focusing and self-compression of optical vortex beam in an under-dense plasma	Beam Plasmas & Inertial Fusion
P3-022	NICOLAS	FEFEU	Study of fast discharge pulses produced by high-intensity laser-matter interactions using a Faraday Rotation diagnostic	Beam Plasmas & Inertial Fusion
P3-023	EMMA	HUME	Exploring the emittance of escaping fast electrons from nanowire targets	Beam Plasmas & Inertial Fusion
P3-024	HANNA	MARCHENKO	Interferometric measurements of plasma produced by interaction of femtosecond Ti:Sapphire laser pulses with aluminum massive target	Beam Plasmas & Inertial Fusion
P3-025	ALESSANDRO	MAFFINI	Carbon nanofoam targets for inertial confinement fusion experiments	Beam Plasmas & Inertial Fusion
P3-026	KEREN CAROLINA	VANEGAS PEREZ	A practical guide to developing a 1D-EM-PIC code using the Yee algorithm and the Boris method for kinetic plasma simulation	Beam Plasmas & Inertial Fusion
P3-027	PIOTR	RAĆZKA	Laser-driven source of highly collimated protons with low electromagnetic pulse signature	Beam Plasmas & Inertial Fusion
P3-028	XAVIER	DAVOINE	Production of energetic electrons, protons and neutrons with the LMJ-PETAL PW laser	Beam Plasmas & Inertial Fusion
P3-029	JOSE-MANUEL	ALVAREZ	Radiation Protection at CLPU's Ultra-High Intensity Laser VEGA	Beam Plasmas & Inertial Fusion
P3-030	HANNAH	MAGUIRE	Single-pulse Gy-scale irradiation of biological cells at average dose-rates above 10^{13} Gy/s from a laser-wakefield accelerator	Beam Plasmas & Inertial Fusion
P3-031	GEORGE	HICKS	Magdrive: Next Generation Spacecraft Propulsion	Beam Plasmas & Inertial Fusion
P3-032	GAURAV	KUMAR	Electromagnetic soliton generation in an Over-dense plasma through Laser-plasma interaction: Using PIC simulation	Beam Plasmas & Inertial Fusion
P3-033	TEMOUR	FOSTER	Laser-driven production of ultra-short high quality positron beams	Beam Plasmas & Inertial Fusion
P3-034	ARIDAI	BORDÓN SÁNCHEZ	Spectroscopic and MHD modelling of strongly magnetized cylindrical implosions at the National Ignition Facility	Beam Plasmas & Inertial Fusion
P3-035	VICTOR	TKACHENKO	Hard X-ray induced structural transformation in diamond	Beam Plasmas & Inertial Fusion
P3-036	PETR	POKORNÝ	Borane plasma characterization: towards efficient proton-boron fusion	Beam Plasmas & Inertial Fusion
P3-037	HENRI	VINCENTI	A novel laser-driven electron accelerator scheme based on a plasma mirror injector	Beam Plasmas & Inertial Fusion
P3-038	ALBERTINE	LOUDIN	Modelling of a gaseous photochemically-induced grating	Beam Plasmas & Inertial Fusion



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P3-039	FILIFE	CRUZ	Laser-plasma instabilities driven by broadband lasers: comparison between Generalized Photon Kinetics and plasma kinetic simulations	Beam Plasmas & Inertial Fusion
P3-040	ENRIQUE	ZAPATA CORNEJO	Algorithms for unsupervised learning of MHD modes in TJ-II stellarator and JET tokamak	Magnetic Confinement Fusion Plasma
P3-041	GARY	STAEBLER	Sensitivity of core transport prediction to the separatrix temperature and density in tokamak L-mode and Ohmic regimes	Magnetic Confinement Fusion Plasma
P3-042	SASKIA	MORDIJCK	Density peaking in DIII-D negative triangularity plasmas	Magnetic Confinement Fusion Plasma
P3-043	JEFF	CANDY	Global-Spectral Gyrokinetic Simulation	Magnetic Confinement Fusion Plasma
P3-044	PETER	DONNEL	Effect of shaping on Trapped Electron Mode instability: an analytical model	Magnetic Confinement Fusion Plasma
P3-045	HOWARD	WILSON	Peeling-ballooning stability of the tokamak pedestal plasma with 3D magnetic perturbations: towards ELITE-3D	Magnetic Confinement Fusion Plasma
P3-046	MARINA	BECOULET	Non-linear gyro-kinetic Ion Temperature Gradient (ITG) and Trapped Electron Modes (TEM) turbulence modelling in X-point geometry in negative and positive triangularity shapes.	Magnetic Confinement Fusion Plasma
P3-047	SASCHA	RIENAECKER	Linking Edge Flows to the Magnetic Geometry Asymmetry in Tokamaks	Magnetic Confinement Fusion Plasma
P3-048	ALESSANDRO	BALESTRI	Experiments and gyrokinetic simulations of TCV plasmas with negative triangularity in view of DTT operations	Magnetic Confinement Fusion Plasma
P3-049	PETER	BALAZS	Benchmark of synthetic beam emission diagnostic codes for ITER	Magnetic Confinement Fusion Plasma
P3-050	OLIVIER	PANICO	Indirect evidence of avalanche-like transport in TCV plasmas backed by 1D nonlinear simulations	Magnetic Confinement Fusion Plasma
P3-051	ANTONIA	FRANK	Recent advances in modelling the width and rotation frequency of neoclassical tearing modes in the TCV tokamak using the co-MRE	Magnetic Confinement Fusion Plasma
P3-052	XUE	BAI	Impact of increasing plasma-wall gap on ELM control by RMP in ITER during Augmented First Plasma (AFP)	Magnetic Confinement Fusion Plasma
P3-053	MARTIM	ZURITA	Target heat load mitigation through gas baffling in TCV	Magnetic Confinement Fusion Plasma
P3-054	OLEG	KRUTKIN	Gyrokinetic modelling of the electron scale transport in the TCV pedestal	Magnetic Confinement Fusion Plasma
P3-055	JOSE	BOEDO	Density Shoulder Formation in DIII-D	Magnetic Confinement Fusion Plasma
P3-056	KYUNGTAH	LIM	Predictive power-sharing scaling law in double-null L-mode plasmas	Magnetic Confinement Fusion Plasma
P3-057	THEO	FONGHETTI	WEST long pulse L-mode plasma predictive modelling	Magnetic Confinement Fusion Plasma
P3-058	MIRIAM	LA MATINA	Experimental analysis of ELM precursors with the Thermal Helium Beam diagnostic at TCV	Magnetic Confinement Fusion Plasma
P3-059	ANTTI	SALMI	Balanced NBI experiments for momentum transport and intrinsic torque analysis at the TCV tokamak	Magnetic Confinement Fusion Plasma



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P3-060	YANN	MUNSCHY	Plasma-wall interaction: new features from 2D to 5D kinetic simulations	Magnetic Confinement Fusion Plasma
P3-061	NICOLA	BERTELLI	Study of the impact of the edge density fluctuations on the HHFW propagation in NSTX-U for a cold and (local k) hot plasmas	Magnetic Confinement Fusion Plasma
P3-062	MARTA	PEDRINI	Power Balance on TCV	Magnetic Confinement Fusion Plasma
P3-063	TOMAS	ODSTRCIL	Experimental investigation of impurity transport in wide pedestal QH-mode regime on DIII-D	Magnetic Confinement Fusion Plasma
P3-064	RAUL	GERRU MIGUELANEZ	Effect of detachment on ionization and neutral density profiles in the edge and SOL in the DIII-D tokamak	Magnetic Confinement Fusion Plasma
P3-065	ABHAY	RAM	Plasma start-up by electron cyclotron waves	Magnetic Confinement Fusion Plasma
P3-066	BELÉN	LÓPEZ-MIRANDA	Characterization of the impact of pellet injections on fast-ion losses in NBI plasmas in the TJ-II stellarator	Magnetic Confinement Fusion Plasma
P3-067	ANASS	NAJLAOUI	Validating TGLF for Predicting Kinetic Ballooning Modes turbulence in Tokamak Discharges	Magnetic Confinement Fusion Plasma
P3-068	TOMMASO	RIZZI	Modelling of graphite sample explosion due to RE impact: DIII-D experiment	Magnetic Confinement Fusion Plasma
P3-069	COSMAS	HEIß	Investigation of Axisymmetric Stability with Current Diffusion in Single-Axis and Doublet Plasma Equilibria on TCV using the MEQ Suite	Magnetic Confinement Fusion Plasma
P3-070	JAIME	DE LA RIVA VILLÉN	C6+ ion temperature and flow profiles during NBI plasmas in the TJ-II stellarator	Magnetic Confinement Fusion Plasma
P3-071	VICTOR	TRIBALDOS	Neoclassical Analysis of the enhanced-performance scenarios in the stellarator TJ-II after pellet injection	Magnetic Confinement Fusion Plasma
P3-072	JOSE RAMON	MARTIN-SOLIS	Fast deconfinement of vertically unstable disruption generated runaway beams	Magnetic Confinement Fusion Plasma
P3-073	NICOLAS	RIVALS	Dissipative compact divertor in WEST : experiments and SOLEDGE modelling	Magnetic Confinement Fusion Plasma
P3-074	LUIS	GARCIA GONZALO	Impact of low order rationals in the enhanced confinement by pellet injection in TJ-II	Magnetic Confinement Fusion Plasma
P3-075	XUCHEN	WANG	Doppler backscattering measurements of high-k turbulence localised by magnetic-pitch-angle matching	Magnetic Confinement Fusion Plasma
P3-076	JOSÉ ÁNGEL	MIER	AVALANCHE STATISTICS OF FLUCTUATION INDUCED FLUXES IN SLPM AND W7-AS	Magnetic Confinement Fusion Plasma
P3-077	MÁRTON BENDEGÚZ	VAVRIK	Schlieren diagnostic for propellant gas flow characterization of Shattered Pellet Injectors of the ITER DMS	Magnetic Confinement Fusion Plasma
P3-078	GARANÇE	DURR-LEGOUPIL-NICOUD	Studying the Role of Divertor Closure and N2 Detachment in NT L-Mode plasmas on TCV	Magnetic Confinement Fusion Plasma
P3-079	CASSANDRE	CONTRÉ	Predict-first radial transport simulations and coupling with the TCV shot preparation using RAPTOR and FBT	Magnetic Confinement Fusion Plasma
P3-080	SIMON	VAN MULDER	Improved equilibrium reconstruction for ITER through dynamic state estimation of tokamak plasma profiles	Magnetic Confinement Fusion Plasma



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P3-081	PIERRE	MANAS	Tungsten transport in presence of seeded impurities: on the neoclassical and turbulent W peaking in WEST plasmas	Magnetic Confinement Fusion Plasma
P3-082	GUILLAUME	BROCHARD	Generation of Constants of Motion distributions for Energetic Particles in ITER Integrated Modelling Analysis Suite	Magnetic Confinement Fusion Plasma
P3-083	TIMOTHÉ	ROUYER	Competition between Ion Temperature Gradient and Parallel Velocity Gradient instabilities in tokamaks studied with 5D gyrokinetic simulations	Magnetic Confinement Fusion Plasma
P3-084	LORENZO	VOTTA	Experimental and numerical investigation of suprathermal electron dynamics in TCV plasmas	Magnetic Confinement Fusion Plasma
P3-085	GIOVANNI	MARIANO	3D Monte Carlo simulations for ITER Neutron Diagnostics	Magnetic Confinement Fusion Plasma
P3-086	ANDREI	KOVALEV	Synthetic Diagnostic Analysis of ITER Neutron Activation System	Magnetic Confinement Fusion Plasma
P3-087	LUKE	SIMONS	Modelling the Interaction of Runaway Electrons with a TCV Carbon Tile	Magnetic Confinement Fusion Plasma
P3-088	DANIEL	MEDINA-ROQUE	A study on Z-dependence of impurity confinement and transport in turbulence reduced plasmas via lithium powder injection in LHD	Magnetic Confinement Fusion Plasma
P3-089	LUIS	DELGADO-APARICIO	AI and W radiation survey to constrain $\langle Te \rangle$ and $Te(r,t)$ measurement with adaptive multi-energy SXR diagnostics in MST and WEST	Magnetic Confinement Fusion Plasma
P3-090	YURY	GRIBOV	DINA simulations of ITER 15MA hydrogen L-mode scenarios with tungsten first wall	Magnetic Confinement Fusion Plasma
P3-091	PHILIPPE	HUYNH	Evaluation of the ion temperature in the WEST tokamak with ICRF heating	Magnetic Confinement Fusion Plasma
P3-092	GUILLAUME	VAN PARYS	Modeling the effect of anisotropy and rotation on TCV equilibria using the MEQ suite of codes	Magnetic Confinement Fusion Plasma
P3-093	ANTOINE	MERLE	Full discharge coil trajectory optimisation using a quasi-Newton method with the FBT code from the MEQ suite	Magnetic Confinement Fusion Plasma
P3-094	CRISTINA	VENTURINI	Modelling of Plasma Confinement State Transitions using Hybrid Physics-based and Data Driven Approaches	Magnetic Confinement Fusion Plasma
P3-095	PABLO	RODRIGUEZ-FERNANDEZ	Surrogate-based optimization for high-fidelity predictions of core performance in burning plasmas	Magnetic Confinement Fusion Plasma
P3-096	TARIQ	RAFIQ	Optimizations, Stability and Physics Enhancements in the IMAS-compatible Multi-Mode Anomalous Transport Model	Magnetic Confinement Fusion Plasma
P3-097	TULLIO	BARBUI	First results of a multi-energy soft x-ray diagnostic for Te measurements and W transport studies on the WEST tokamak	Magnetic Confinement Fusion Plasma
P3-098	ARTUR	PEREK	A systematic search for the optimal baffle closure at the TCV tokamak	Magnetic Confinement Fusion Plasma
P3-099	SYUN'ICHI	SHIRAIWA	Development of differential operator for RF current including all-order finite Larmor radius effects without using high order derivatives.	Magnetic Confinement Fusion Plasma
P3-100	YOERI	POELS	Disruption Avoidance using Dynamic Deep Latent Variable Model-based Plasma State Monitoring	Magnetic Confinement Fusion Plasma
P3-101	BENOÎT	CLAVIER	Artificial Intelligence generated surrogate model of plasma turbulence	Magnetic Confinement Fusion Plasma



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P3-102	REINART	COOSEMANS	Application of the Fenix flight simulator to TCv	Magnetic Confinement Fusion Plasma
P3-103	ÁLVARO	SÁNCHEZ-VILLAR	Machine learning assisted Petra-M TORIC ICRF core-edge coupling	Magnetic Confinement Fusion Plasma
P3-104	VERONIKA	ZAMKOVSKA	Implementation of a cross-device model for halo current as a criterion for deployment of disruption mitigation in the DECAF code	Magnetic Confinement Fusion Plasma
P3-105	MATHIAS	HOPPE	An upper neutral pressure limit for low-Z benign termination of runaway electron beams in TCv	Magnetic Confinement Fusion Plasma
P3-106	ARNE	KALLENBACH	A 0-D impurity transport model for discharge preparation and real-time application	Magnetic Confinement Fusion Plasma
P3-107	EDWARD	STARTSEV	Simulating electromagnetic instabilities in tokamaks with gyrokinetic particle-in-cell code GTS	Magnetic Confinement Fusion Plasma
P3-108	SHINICHIRO	KOJIMA	Validation of Plasma Equilibrium Flight Simulator: MECS code in JT-60SA	Magnetic Confinement Fusion Plasma
P3-109	IDA	EKMARK	Fluid and kinetic modeling of runaway electron seed generation during disruptions	Magnetic Confinement Fusion Plasma
P3-110	CHRIS	ACHESON	OpenStar Technologies: Exploring the levitated dipole as a fusion device	Magnetic Confinement Fusion Plasma



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FRIDAY – P4

Location	First name	Last name	Title	SESSION
P4-001	FRANCISCO JAVIER	POLANCO RODRIGUEZ	Study of nonlinear processes occurring during type III solar radio bursts using electromagnetic waveform analysis	Basic, Space & Astrophysical Plasmas
P4-002	NIDHI	SINHA	SF6 alternative gases for industrial applications: Study of electron impact processes and transport parameters	Basic, Space & Astrophysical Plasmas
P4-003	ERIK	SHALENOV	Characteristics of Shannon's information entropy of atomic states in dense plasma	Basic, Space & Astrophysical Plasmas
P4-004	TAWEESAK	JITSUK	Multi-Scale Interactions of Global Tearing Modes and Trapped Electron Modes	Basic, Space & Astrophysical Plasmas
P4-005	ANTONIO	TRIFIRÒ	Ion Stopping Power studies in the energy domain of astrophysical nuclear reactions and nuclear fusion for energy production	Basic, Space & Astrophysical Plasmas
P4-006	BOJING	ZHU	Fine-structure investigation of the turbulence-induced dissipation-diffusion in the flare current sheet	Basic, Space & Astrophysical Plasmas
P4-007	CRUZ	MÉNDEZ	VEGA beamlines reorganization for driving user plasma accelerators	Basic, Space & Astrophysical Plasmas
P4-008	ENRIQUE	Garcia Garcia	VEGA double pulse setup stability measurements: keys for driving laser wakefield accelerators	Basic, Space & Astrophysical Plasmas
P4-009	VLADIMIR	PANCHENKO	Transformation processes in strongly magnetized turbulent plasma with upper hybrid pump	Basic, Space & Astrophysical Plasmas
P4-010	SRIMANTA	MAITY	Modeling of coupling and acceleration of externally injected electron beams in laser wakefield acceleration	Beam Plasmas & Inertial Fusion
P4-011	MAIA	PEAT	Machine learning guided optimisation of fast electron temperature in laser-solid interaction experiments	Beam Plasmas & Inertial Fusion
P4-012	SHAO-WEI	CHOU	Enhancing Betatron Oscillation through Asymmetric Injection of Laser Wakefield Accelerator	Beam Plasmas & Inertial Fusion
P4-013	NARDJESSE	BOUDJEMA	"On line-on target" temporal beam diagnostic at high power and focal spot optimization of femtosecond petawatt-class lasers systems for laser-plasma interaction	Beam Plasmas & Inertial Fusion
P4-014	SAMIA	KHETARI	Warm Dense Matter (WDM) target characterization via time-dependent radiography Proton (PR)	Beam Plasmas & Inertial Fusion
P4-015	ANA MARÍA	CIVES FERNÁNDEZ	Study of radiation and particle sources based on plasma using thermoluminescence dosimeters at CLPU	Beam Plasmas & Inertial Fusion
P4-016	CAMILO	VÁSQUEZ WILSON	Developing Pulsed Micro Energy Propulsion Systems for Nano Satellite Attitude Control using Plasma Focus Technology	Beam Plasmas & Inertial Fusion
P4-017	AGNIESZKA	ZARAS-SZYDLOWSKA	Investigations of the expansion of plasma generated by the interaction of femtosecond pulses with thin foil targets using the interferometric method	Beam Plasmas & Inertial Fusion



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P4-018	ANDRIY	VELYHAN	Laser-driven ion acceleration at the ELIMAIA user beamline	Beam Plasmas & Inertial Fusion
P4-019	TERESA	CEBRIANO	Magnetic transport and focusing of laser-accelerated ultrafast proton beams	Beam Plasmas & Inertial Fusion
P4-020	HOWEL	LARREUR	FISP: a fast 1D ion propagator in cold targets & application to pitcher-catcher scheme for alpha-particles generation via proton-boron fusion	Beam Plasmas & Inertial Fusion
P4-021	JOSE LUIS	HENARES	Short-pulse Ti:Sa PW-class laser interaction with near-critical density gas targets to drive ion acceleration	Beam Plasmas & Inertial Fusion
P4-022	DAVID	STARK	Role of Ion Mobility in Relativistic Self-focusing of Laser Pulses in Near-Critical Density Plasmas	Beam Plasmas & Inertial Fusion
P4-023	ADRIAN	MCCAY	Surface Plasma Wave-Driven Electron Acceleration from Flat Foil Targets (poster)	Beam Plasmas & Inertial Fusion
P4-024	MAHA	LABANI	Design and control of a 20 μm Fresnel zone plate lens in silicon substrates using Electron-beam lithography	Beam Plasmas & Inertial Fusion
P4-025	ALEJANDRO	HUERTA	High repetition rate energy selector for generation of quasi monoenergetic pencil like proton beams	Beam Plasmas & Inertial Fusion
P4-026	VALERIA	OSPINA BOHORQUEZ	Optimization of proton beam focusing through a target modular approach in the context of proton fast ignition	Beam Plasmas & Inertial Fusion
P4-027	MANUEL D	BARRIGA-CARRASCO	Theoretical methods and simulations of magnetized plasmas stopping power	Beam Plasmas & Inertial Fusion
P4-028	JOSÉ	VÁZQUEZ-MOYANO	Analysis of 4+ carbon projectiles energy loss passing through carbon plasma experiment within LIGHT project at GSI	Beam Plasmas & Inertial Fusion
P4-029	SANTIAGO	LOPEZ	3D multiscale modelling of inhomogeneous plasma amplifiers of UV and XUV radiation	Beam Plasmas & Inertial Fusion
P4-030	KWAN CHUL	LEE	Analysis of intrinsic rotation of KSTAR and charge exchange reactions	Magnetic Confinement Fusion Plasma
P4-031	RICHARD	KEMBLETON	The integrated staged approach to a stellarator power plant	Magnetic Confinement Fusion Plasma
P4-032	FRANCESCO	CIANFRANI	Turbulence spectrum and relaxation near the X-point of typical DTT tokamak plasma	Magnetic Confinement Fusion Plasma
P4-033	CHRISTOS	VAGKIDIS	Numerical investigation of the ELM effect on microwave propagation	Magnetic Confinement Fusion Plasma
P4-034	JUN-GYO	BAK	Experimental investigation of toroidal eddy currents and poloidal halo currents during disruptions in the KSTAR tokamak	Magnetic Confinement Fusion Plasma
P4-035	HEUNGSU	KIM	Investigation of drift characteristics in magnetic sensor signals for long pulse operation in KSTAR	Magnetic Confinement Fusion Plasma
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