



# 29<sup>th</sup> EPS Conference on Plasma Physics and Controlled Fusion ,17-12 June 2002

Europhysics Conference Abstracts Vol. **26B** (2002)

## Table of Contents

[\[Back to start page\]](#) [\[PDF version\]](#)

### Author Index

Monday	Tuesday	Wednesday	Thursday	Friday
<a href="#">Oral Sess O-1</a>	<a href="#">Oral Sess O-2</a>	<a href="#">Oral Sess O-3</a>	<a href="#">Oral Sess O-4</a>	<a href="#">Oral Sess O-5</a>
<a href="#">Poster Sess P-1</a>	<a href="#">Poster Sess P-2</a>	<a href="#">Poster Sess P-3</a>	<a href="#">Poster Sess P-4</a>	<a href="#">Poster Sess P-5</a>
				<a href="#">Post Deadline</a>
<a href="#">Specialist O-1</a>	<a href="#">Specialist O-2</a>	<a href="#">Specialist O-3</a>	<a href="#">Specialist O-4</a>	<a href="#">Specialist O-5</a>
<a href="#">Specialist P-1</a>	<a href="#">Specialist P-2</a>	<a href="#">Specialist P-3</a>	<a href="#">Specialist P-4</a>	<a href="#">Specialist P-5</a>

[Table of Contents \(PDF file\)](#) / [Author Index \(PDF file\)](#)

## Session O1 (Oral Session Monday)

PaperID	Author	PosterTitle
<a href="#">O1.01</a>	S.Jachmich	On the causality of transport reduction and induced electric fields in the edge of a tokamak
<a href="#">O1.02</a>	S.V.Lebedev	Confinement Bifurcations by Poloidal Magnetic Flux Perturbations in the TUMAN-3M
<a href="#">O1.03</a>	V.Krivenski	Evidence of Non-Maxwellian Electron Bulk Distributions on JET

<a href="#">O1.04</a>	C.Castaldo	Electron Internal Transport Barriers with ECRH and LHCD in the FTU tokamak
<a href="#">O1.05</a>	J.Decker	On Synergism between Bootstrap and Radio-Frequency Driven Currents
<a href="#">O1.06</a>	F.Sardei	Transport Study on the W7-AS Island Divertor: Physics, Modelling and Comparison to Experiment
<a href="#">O1.07</a>	B.Esposito	Correlation between magnetic shear and ExB shear flow on JET ITBs
<a href="#">O1.09</a>	B.vanMilligen	Plasma Potential Measurements by Heavy Ion Beam Probe in the TJ-II Stellarator
<b>Specialist Session</b>		
<a href="#">O1.26</a>	M.Geissler	RELATIVISTIC ELECTRON WAKEFIELD ACCELERATION

## Session O2 (Oral Session Tuesday)

<b>PaperID</b>	<b>Author</b>	<b>PosterTitle</b>
<a href="#">O2.01</a>	P.Lotte	On the Motional Stark Effect Diagnostic for ITER
<a href="#">O2.02</a>	M.J.Hole	Stability at high performance in the MAST spherical tokamak
<a href="#">O2.03</a>	J.Stockel	Turbulence and transport with constant and spatial-temporal biasing in the scrape-off layer of CASTOR tokamak
<a href="#">O2.04</a>	P.Thomas	Intrinsic Transport Barriers in Ergodic Divertor Plasmas
<a href="#">O2.05</a>	B.Gonçalves	Edge Localized Modes and fluctuations in the JET SOL region
<a href="#">O2.06</a>	H.W.Mueller	Profile and Transport Studies in the outer Scrape Off Layer at ASDEX Upgrade
<a href="#">O2.07</a>	G.Martin	Plasma fuelling by pulsed supersonic gas injection on Tore Supra
<a href="#">O2.08</a>	M.R.Wade	Demonstration of the ITER Ignition Figure of Merit at q95 4 in Stationary Plasmas in DIII-D
<a href="#">O2.09</a>	D.A.Gates	Recent Results from the National Spherical Torus Experiment NSTX
<b>Specialist Session</b>		
<a href="#">O2.23</a>	G.Malka	Nuclear excitation with high intensity and ultra short laser pulses
<a href="#">O2.26</a>	F.Califano	Open boundary Vlasov simulations of the propagation of a localized proton beam in a plasma
<a href="#">O2.27</a>	G.Shvets	Sjuh2
<a href="#">O2.30</a>	N.Vogel	DIAGNOSTICS OF LASER-INDUCED SPARK DISCHARGES IN AIR AND VACUUM
<a href="#">O2.31</a>	P.K.Shukla	Wakefield generation by incoherent laser beams

## Session O3 (Oral Session Wednesday)

PaperID	Author	PosterTitle
<b>Specialist Session</b>		
<a href="#">O3.22</a>	A.Kallenbach	Edge transport analysis of JET H-mode discharges and the possible influence of radial drift velocities
<a href="#">O3.23</a>	J.R.Myra	Convective Blob Transport and the Density Limit
<a href="#">O3.24</a>	M.Endler	The Fine Structure of ELMs
<a href="#">O3.25</a>	M.Spolaore	Intermittent events and electrostatic structures in the edge region of Reversed Field Pinch experiments

## Session O4 (Oral Session Thursday)

PaperID	Author	PosterTitle
<a href="#">O4.01</a>	E.Poli	Drift kinetic simulations of the current driving the neoclassical tearing mode
<a href="#">O4.02</a>	A.D.Turnbull	Detailed Comparison of MHD Stability Theory with Measurements in DIII-D
<a href="#">O4.03</a>	S.Coda	Unfolding the Dynamics of Suprathermal Electrons: Experimental and Numerical Tools on the TCV Tokamak
<a href="#">O4.05</a>	S.I.Krasheninnikov	IFE Dry Wall Chamber Physics Issues
<a href="#">O4.06</a>	A.Bers	Symmetries in Dissipation-Free Linear Mode Conversion
<a href="#">O4.08</a>	M.Krämer	Anomalous Helicon Wave Absorption and Turbulent Electron Heating in a Helicon Source
<b>Specialist Session</b>		
<a href="#">O4.21</a>	P.K.Shukla	Theory of voids in dusty plasmas
<a href="#">O4.22</a>	A.Melzer	Experiments on Particle Interactions in 2D Dust Coulomb Clusters
<a href="#">O4.23</a>	A.A.Samarian	Dust Vortex in Complex Plasma
<a href="#">O4.25</a>	S.A.Khrapak	Ion Drag in Complex Dusty Plasmas
<a href="#">O4.26</a>	S.A.Trigger	Ion Drag and Brownian Motion in Dusty Plasmas
<a href="#">O4.27</a>	S.V.Vladimirov	Confining instability in a complex plasma
<a href="#">O4.29</a>	G.Paeva	Movement of Non-Spherical Particles in a Complex Plasma
<a href="#">O4.30</a>	H.Kersten	On the interaction of a complex plasma with external electric fields
<a href="#">O4.31</a>	O.F.Petrov	Dynamical Phenomena in Dusty Plasmas Under Microgravity Conditions
<a href="#">O4.33</a>	M.Klindworth	Langmuir Probe Measurements in a Complex Plasma under Microgravity Conditions

<a href="#">O4.34</a>	M.Mikikian	Dust Particles Growth and Behavior under Microgravity Conditions
<a href="#">O4.35</a>	M.R.Akdim	Modelling of PKE-Nefedov dust plasma micro-gravity experiments

## Session O5 (Oral Session Friday)

PaperID	Author	PosterTitle
<a href="#">O5.01</a>	H.Henriksson	Neutron Emission Studies of NB Heated JET DT Plasmas
<a href="#">O5.02</a>	K-D.Zastrow	Helium ash simulation studies with divertor Helium pumping in JET internal transport barrier discharges
<a href="#">O5.03</a>	A.Staebler	The Role of Neutral Beam Geometry in Advanced Discharge Scenarios on ASDEX Upgrade
<a href="#">O5.04</a>	G.T.A.Huysmans	MHD Stability of Advanced Tokamak Scenarios with Reversed Central Current an explanation of the 'Current Hole'
<a href="#">O5.05</a>	J.Candy	Electromagnetic Gyrokinetic Microturbulence Simulation and Visualization
<a href="#">O5.06</a>	I.Nunes	Study of ELMs on ASDEX Upgrade using Reflectometry Measurements with High Temporal and Spatial Resolution
<a href="#">O5.07</a>	M.vonHellermann	Progress in Charge Exchange Recombination Spectroscopy CXRS and Beam Emission Spectroscopy BES for ITER
<a href="#">O5.09</a>	Yu.V.Yakovenko	Lagrangian Description of Nonadiabatic Particle Motion in Spherical Tori
<b>Specialist Session</b>		
<a href="#">O5.21</a>	S.Hong	Growth Dynamics of Carbon Nano-Particles and Their Incorporation in DLC films
<a href="#">O5.23</a>	A.B.Kukushkin	Skeletal Dendritic Structure of Agglomerates of Visually Separate Microparticles in Dust Deposits in Tokamak T-10
<a href="#">O5.24</a>	G.Gebauer	Initial growth of C-nanoparticles and its correlation with external discharge parameters studied by Mie-ellipsometry
<a href="#">O5.25</a>	N.Gupta	Numerical simulation of primary cluster formation in Silane plasmas
<a href="#">O5.26</a>	O.F.Petrov	Transport of macroparticles in weakly ionized dusty plasma of gas discharges
<a href="#">O5.28</a>	H.Kersten	On the diagnostics of growing powder particles in a process plasma
<a href="#">O5.29</a>	Yu.I.Chutov	RF dusty discharges with secondary electron emission
<a href="#">O5.32</a>	S.I.Popel	Evolution of the Dust Ion-Acoustic Solitary Waves in Complex Plasmas
<a href="#">O5.33</a>	V.I.Molotkov	Excitation of Nonlinear Dust Acoustic Waves in a Glow Discharge Plasma

# Session P1 (Poster Session Monday)

PaperID	Author	PosterTitle
<a href="#">P1.002</a>	D.Kh.Morozov	Self-sustained nonlinear oscillations in radiative plasmas
<a href="#">P1.003</a>	D.Bennaceur-Doumaz	Nonlocal Transport in Fully Ionized Magnetized Plasmas
<a href="#">P1.004</a>	I.H.Hutchinson	Plasma Mach-probe with unmagnetized ions
<a href="#">P1.005</a>	T.K.Soboleva	Parallel Flows and Plasma Equilibria in Dipolar Magnetic Configurations
<a href="#">P1.006</a>	P.Dvořák	Mode Transition in a Low-pressure RF Capacitive Discharge in Nitrogen
<a href="#">P1.007</a>	I.F.Shaikhislamov	Flute Instability of the Neutral Current Sheet
<a href="#">P1.009</a>	F.Califano	Nonlinear kinetic evolution of high frequency electron tearing modes
<a href="#">P1.011</a>	E.Z.Gusakov	Inhomogeneous Plasma Parametric Decay Instability Driven By Frequency Modulated Pump
<a href="#">P1.016</a>	R.Sugaya	Electron Beam Acceleration and Potential Formation Induced by Compton Scattering of Extraordinary Waves
<a href="#">P1.017</a>	I.S.Nanobashvili	Shock Wave Propagation in Gases and Low Temperature Plasma under Subatmospheric Pressure
<a href="#">P1.018</a>	A.A.Kurov	Conversion of helicon and quasi-electrostatic modes in nonuniform plasma
<a href="#">P1.019</a>	Z.Ahmad	Numerical Modelling and Experimental Characterisation of Cascaded Arc Discharges in Argon and Hydrogen
<a href="#">P1.020</a>	V.I.Lapshin	INFLUENCE OF HIGH-POWER PLASMA STREAMS IRRADIATION ON PROPERTIES OF REVERSIBLE HYDROGEN GETTERS
<a href="#">P1.021</a>	V.P.Gavrilenko	Enhancement of the x-ray lasing by controlling the Stark width of the lasing transition by elliptically polarized optical laser radiation
<a href="#">P1.022</a>	V.Semenov	Influence of finite velocity spread on hybrid resonance modes of two-sided multipactor
<a href="#">P1.023</a>	C.Perez	Type-I ELM Precursor Modes in JET
<a href="#">P1.024</a>	J.S.Lönnroth	Integrated Predictive Transport Modelling of ELMy H-Mode JET Plasmas
<a href="#">P1.025</a>	B.Alper	ELMs, Precursors and Triggers on JET
<a href="#">P1.026</a>	M.L.Mayoral	Neo-Classical Tearing Mode Control through Sawtooth Destabilisation in JET
<a href="#">P1.028</a>	K.Borrass	Study of the Natural Density Formation in JET and ASDEX Upgrade
<a href="#">P1.029</a>	V.Yavorskij	Influence of Safety Factor Profiles on Fast Ion Confinement in JET
<a href="#">P1.030</a>	W.Suttrop	Testing H-mode parameter similarity in JET and ASDEX Upgrade
<a href="#">P1.031</a>	G.Calabro	JET Plasma Equilibrium Reconstructions Using Magnetic and MSE Measurements and Including the Effects of the Iron Core

<a href="#">P1.033</a>	M.J.Mantsinen	Extrapolating the performance of ICRF heating scenarios for JET deuterium-tritium plasmas to high coupled powers
<a href="#">P1.035</a>	L.Garzotti	Particle transport and density profile analysis of different JET plasmas
<a href="#">P1.036</a>	G.Gantenbein	On the Stabilisation of Neoclassical Tearing Modes with ECRH at High beta <sub>N</sub> in ASDEX Upgrade
<a href="#">P1.037</a>	A.Mueck	Sawtooth Tailoring Experiments with ECRH in ASDEX Upgrade
<a href="#">P1.038</a>	E.Martines	ELM-related High Frequency MHD Activity in ASDEX Upgrade
<a href="#">P1.039</a>	F.Salzedas	Observations of the Onset of the Energy Quench in ASDEX Upgrade Density Limit Disruptions
<a href="#">P1.040</a>	A.Bottino	ExB Flow Effects on ITG Modes in Reverse Shear ASDEX Upgrade Discharges
<a href="#">P1.041</a>	R.Lorenzini	Particle transport in ASDEX Upgrade discharges undergoing strong density peaking
<a href="#">P1.042</a>	R.Preuss	Bayesian analysis of magnetic island dynamics of tearing modes in ASDEX-Upgrade
<a href="#">P1.043</a>	H.Zohm	Neutron Production in High Performance Scenarios in ASDEX Upgrade
<a href="#">P1.044</a>	P.T.Lang	Advanced high field side pellet refuelling and mitigation of ELM effects in ASDEX Upgrade
<a href="#">P1.045</a>	F.Nguyen	ICRF Ion Heating with Mode Conversion on the Tokamak ASDEX Upgrade
<a href="#">P1.046</a>	C.F.Maggi	Isotope Effect on the L-mode Density Limit in ASDEX Upgrade
<a href="#">P1.047</a>	J.C.Fuchs	Detailed Investigation of the Divertor Radiation in ASDEX Upgrade
<a href="#">P1.048</a>	F.Ryter	Electron Heat Transport in ASDEX Upgrade Experiment and Modelling
<a href="#">P1.049</a>	T.Fujita	Formation and Sustainment of Current Hole in JT-60U
<a href="#">P1.050</a>	H.Tamai	Steady-State Operation Scenarios with a Central Current Hole for JT-60SC
<a href="#">P1.051</a>	A.Nicolai	TSC - Simulations of MAST - Discharges without Primary Current Swing
<a href="#">P1.052</a>	A.Nicolai	Transport Analysis of H-mode Plasmas in Ohmic ALCATOR C-MOD Discharges Based on Neoclassical Theory
<a href="#">P1.053</a>	R.Martin	Halo Currents in MAST and Relevance to ITER
<a href="#">P1.054</a>	M.Valovic	Energy Confinement in ELMy H-mode on MAST
<a href="#">P1.055</a>	J-W.Ahn	Progress in SOL and Divertor Studies on the MAST Tokamak
<a href="#">P1.056</a>	H.Meyer	The effect of magnetic configurations on H-mode in MAST
<a href="#">P1.057</a>	J.A.Snipes	Structure of the Quasi-Coherent Mode in Alcator C-Mod
<a href="#">P1.058</a>	E.Nelson-Melby	Phase Contrast Imaging of Mode-Converted Ion Cyclotron Waves in the Alcator C-Mod tokamak

<a href="#">P1.059</a>	T.C.Luce	Suppression of Tearing Modes by Means of Localized Electron Cyclotron Current Drive in the DIII-D Tokamak
<a href="#">P1.060</a>	J.R.Ferron	Progress Toward Sustained High-Performance Advanced Tokamak Discharges in DIII-D
<a href="#">P1.061</a>	T.N.Carlstrom	Effect of the GradB Drift Direction on Plasma Edge Properties and the L-H Transition in DIII-D
<a href="#">P1.062</a>	T.H.Osborne	H-mode Pedestal and ELM Characteristics at High Density
<a href="#">P1.063</a>	R.A.Moyer	3D non-axisymmetric effects in the DIII-D boundary
<a href="#">P1.064</a>	R.J.Jayakumar	Observation and Analysis of Resistive Instabilities in Negative Central Shear DIII-D Discharges with L-mode Edge
<a href="#">P1.065</a>	M.Shoucri	Fokker-Planck simulation of coupled plasmas and neutral particles parallel transport in the SOL of TORE-SUPRA during LH current drive
<a href="#">P1.066</a>	M.Shoucri	Calculation of the electric field at a steep plasma edge in the presence of finite ion orbits
<a href="#">P1.067</a>	F.Clairet	ICRF coupling and edge density profile on Tore Supra
<a href="#">P1.068</a>	M.Okubo	Inventory Controlling Experiment of Translated Ultra High beta Plasmas without Stored Energy Loss
<a href="#">P1.069</a>	R.Guirlet	MARFE and density limit detachment with the Tore Supra Actively cooled limiter
<a href="#">P1.070</a>	G.Kamelander	Control of ITER-like Plasmas by Pellet Injection
<a href="#">P1.072</a>	G.V.Pereverzev	Simulation of Core Transport in ITER Plasmas with First-Principle-Based Transport Models
<a href="#">P1.073</a>	J.Miyazawa	Global Electron Energy Confinement of Neon Plasmas in LHD
<a href="#">P1.074</a>	R.Sakamoto	Ablation and Subsequent Density Redistribution of Fueling Pellets Injected into LHD Plasmas
<a href="#">P1.075</a>	H.Yamada	Energy Confinement and Heat Transport in Extended High Density Regime of NBI Heated Plasmas on LHD
<a href="#">P1.076</a>	Y.Takeiri	High-Energy and High-Power NBI Heating Experiments in LHD
<a href="#">P1.077</a>	H.Funaba	Transport Analysis of ECH Overlapped NBI Plasmas in LHD
<a href="#">P1.078</a>	K.Yamazaki	EXPERIMENTAL ANALYSIS AND PREDICTIVE SIMULATION OF TRANSPORT BARRIER IN LHD AND CHS PLASMAS
<a href="#">P1.079</a>	S.Yamamoto	Energetic ion driven MHD instabilities in high beta LHD plasmas
<a href="#">P1.080</a>	Y.Narushima	Study of ideal external mode in LHD
<a href="#">P1.081</a>	M.H.Redl	Calculations of Neutral Beam Ion Confinement for the National Spherical Torus Experiment
<a href="#">P1.082</a>	M.H.Redl	Gyrokinetic Calculations Of Microinstabilities and Transport during RF H-modes on Alcator-CMOD
<a href="#">P1.083</a>	M.Osakabe	Redistribution of Energetic Particles by MHD bursts
<a href="#">P1.084</a>	S.C.Jardin	Physics Analysis of the Fire Experiment

<a href="#">P1.085</a>	T.Fülöp	Effect of poloidal density variation of neutral atoms on the tokamak edge
<a href="#">P1.086</a>	V.Fuchs	Removal of the Lower Hybrid LH Frequency Time Scale in Quasineutral PIC simulations of LH-induced Tokamak Edge Plasma Flow
<a href="#">P1.087</a>	S.Takamura	Impact of the ELM-like Heat Pulse to the Detached Recombining Plasma and its Dynamic Change Following the Heat Pulse in a Simulated Divertor Plasma
<a href="#">P1.088</a>	J.A.Heikkinen	Gyrokinetic Simulation of Edge Plasma in L-H Transition Conditions
<a href="#">P1.089</a>	C.Yarim	Behaviour of Rotation and Radial Electric Field in Collision Dominated Plasma Edge with Steep Gradients
<a href="#">P1.090</a>	H.Lütjens	Nonlinear Neoclassical Tearing Mode Simulations in Toroidal Geometry
<a href="#">P1.091</a>	L.L.Lao	Quantitative Tests of ELMs as Intermediate n Peeling-Ballooning Modes
<a href="#">P1.092</a>	Y.Hirano	Comaprison of the Behaviour of Reversed Field Pinch Plasmas with and without Locked Mode on TPE-RX
<a href="#">P1.094</a>	G.Kamelandar	A Family of FE/FV Grid Representations to model Tokamak Edge Plasmas
<a href="#">P1.095</a>	J.Scharer	A New Method for Shear Stabilization for Advanced Tokamaks via Mode Converted Ion Bernstein Waves
<a href="#">P1.096</a>	C. F. Figarella	Transport reduction by rotation shear in tokamak edge turbulence
<a href="#">P1.097</a>	M.Tokar	Effect of gas puff on edge transport
<a href="#">P1.098</a>	An.Martynov	Shape Effects on the Stability Limit of the Internal Ideal Kink Mode
<a href="#">P1.100</a>	C.E.Bush	L-H transitions and the H-mode edge in the National Spherical Torus Experiment
<a href="#">P1.101</a>	D.J.DenHartog	Ion Heating and Profile Relaxation During Sawtooth Events in the MST Reversed-Field Pinch
<a href="#">P1.102</a>	J.F.Lyon	Spatially Resolved Measurements of Energetic Neutral Particle Distributions in the Large Helical Device
<a href="#">P1.103</a>	R.Schrittwieser	Measurements of Plasma Potential Fluctuations in the Edge Region of the ISTTOK Plasma, Using Electron Emissive Probes
<a href="#">P1.104</a>	E.D.Fredrickson	The effect of MHD instabilities on performance of the National Spherical Torus Experiment
<a href="#">P1.105</a>	J.J.Ramos	MHD Stability of Axisymmetric Plasmas in Closed Line Magnetic Fields
<a href="#">P1.106</a>	Yu.Igitkhanov	Impurity shielding effect in a H-mode rotating plasma
<a href="#">P1.107</a>	D.Yadikin	Resistive wall mode studies in the EXTRAP T2R reversed-field pinch
<a href="#">P1.108</a>	D.Kh.Morozov	The role of zonal flows in drift-Alfven turbulence in the edge tokamak plasma.
<a href="#">P1.110</a>	Y.Nishimura	Tokamak Edge Er and Transport Studies by Turbulence and Divertor Codes

<a href="#">P1.111</a>	P.Pavlo	Lattice Boltzmann Model for Dissipative MHD
<a href="#">P1.112</a>	Y.Q.Liu	Feedback Control of Resistive Wall Modes in Reversed Field Pinches
<a href="#">P1.113</a>	D.Suender	Bifurcation of Temperature and Anomalous Transport in the Edge Region of W-7X
<a href="#">P1.114</a>	A.R.Field	Improved H-mode access with inboard gas puffing
<a href="#">P1.115</a>	A.Melnikov	Plasma Potential Formation under the Edge Polarization
<a href="#">P1.116</a>	S.Yu.Medvedev	Edge Kink/Ballooning Mode Stability in Tokamaks with a Separatrix
<a href="#">P1.117</a>	A.Hassanein	Integrated Models for ELMs and the Effect on Plasma-facing Components during Normal Tokamak Operation
<a href="#">P1.118</a>	C.Angioni	Understanding Sawtooth Period Behaviour with Electron and Ion Cyclotron Resonance Heating and Current Drive
<a href="#">P1.119</a>	R.Panek	Anomalous ion diffusion and radial electric field generation in edge tokamak plasma turbulence of the Hasegawa-Wakatani model
<a href="#">P1.120</a>	G.D.Garstka	Performance and Stability of Near-Unity Aspect-Ratio Plasmas in the Pegasus Toroidal Experiment
<a href="#">P1.121</a>	D.Testa	Measurement of Alfvén Waves on the JET Tokamak
<a href="#">P1.122</a>	M.Jakobi	Measurement of Electron Temperature and Density of Intermittent Plasma Objects by Thomson Scattering in ASDEX Upgrade
<a href="#">P1.123</a>	J.Gafert	Determination of 2D-Emissivity-Distributions from a Digital 12-bit-CCD-System viewing the Divertor of ASDEX Upgrade tangentially and poloidally
<a href="#">P1.125</a>	P.J.McCarthy	Fast recovery of the q profile on ASDEX Upgrade using a nonlinearly optimized function parameterization model
<a href="#">P1.126</a>	N.Tamura	Impurity Transport Study by means of Tracer-Encapsulated Solid Pellet in LHD
<a href="#">P1.128</a>	B.Constantinescu	GAMMA AND PROTON IRRADIATION EFFECTS ON OPTICAL TRANSMISSION MATERIALS FOR PLASMA DIAGNOSTICS IN NUCLEAR FUSION REACTOR
<a href="#">P1.129</a>	N.J.Fisch	Possibilities in Processing Optical Information in Plasma
<a href="#">P1.130</a>	A.I.Smirnov	A Resonance Microwave Probe Based on a Two-Wire Line Section
<b>Specialist Session</b>		
<a href="#">P1.201</a>	V.Petrzilka	Electron Acceleration in a Plane Laser Beam Arising from Randomizing the Electron Motion by an Additional Laser Beam
<a href="#">P1.203</a>	P.Muggli	Transverse and Longitudinal Dynamics of a 28.5 GeV Electron Beam in the Plasma Wakefield Accelerator
<a href="#">P1.204</a>	K.Koyama	Electron Acceleration by the TW-laser Pulse in the Underdense Plasma
<a href="#">P1.207</a>	L.Stenflo	Intense laser radiation in plasmas
<a href="#">P1.208</a>	N.C.Lopes	A laser-triggered high voltage discharge to produce long plasma channels for plasma accelerators
<a href="#">P1.212</a>	D.A.Jaroszynski	Simulation of Electromagnetically Induced Transparency in Plasma

## Session P2 (Poster Session Tuesday)

PaperID	Author	PosterTitle
<a href="#">P2.001</a>	A.B.Kukushkin	Skeletal Structures in High-Current Electric Discharges Observations, Hypotheses and Proof-of-Concept Studies
<a href="#">P2.003</a>	D.Dimitriu	On the Origin of Bistabilities in a DP Machine
<a href="#">P2.004</a>	A.Bendib	Collisional Radiative Forces in Fully-Ionized Plasmas
<a href="#">P2.005</a>	M.Yu.Lyakh	Effect of a Cylindrical Density Enhancement on Cerenkov Radiation from a Modulated Electron Beam in a Magnetoplasma
<a href="#">P2.006</a>	T.Gyergyek	PIC Simulation of a Double Layer Formation in a Hydrogen Plasma with Negative Ions
<a href="#">P2.008</a>	A.R.Babazadeh	The Effect Of Insert Anode Shape On The Characteristics Of Neutron Emission In A Filippov-Type Plasma Focus
<a href="#">P2.010</a>	S.V.Ryzhkov	Investigation of Diffusion in Plasmas with Low Frequency Waves
<a href="#">P2.011</a>	N.V.Vvedenskii	Dynamics of Discharge Created by the Bessel Laser Beam in Homogeneous Medium
<a href="#">P2.013</a>	M.S.Weï	Experimental Observations of the Weibel Instability in High Intensity Laser Solid Interactions
<a href="#">P2.015</a>	M.G.Haines	Axial Magnetic Field Generated from Photon Spin
<a href="#">P2.017</a>	O.Klimo	Simulations of K-alpha Emission from Short-Pulse-Irradiated Solid Targets
<a href="#">P2.018</a>	B.K.Sinha	Reflectivity and Energy Balance in Pulsed-Laser Deposition Experiments
<a href="#">P2.022</a>	P.T.Leon	Fusion Burning Waves in Degenerate Plasmas
<a href="#">P2.023</a>	J.Baier	Investigation of the IR radiation losses in microwave operated Sulfur lamps
<a href="#">P2.024</a>	V.L.Selenin	Investigation of a Parametric Instability in a Helicon Discharge
<a href="#">P2.025</a>	V.Veremiyenko	High Flux of Magnetised Plasma in Magnum-psi
<a href="#">P2.026</a>	R.G.Longwitz	Study of Micro Glow Discharges as Ion Sources
<a href="#">P2.027</a>	I.R.Videnovic	Compression Plasma Flows Action on Monocrystalline Silicon Surface
<a href="#">P2.028</a>	S.S.Alimov	Transitional Phenomena in Magnetron Discharge
<a href="#">P2.029</a>	J.Ballutaud	Plasma Deposition of p-i-n Devices using a Single Chamber Study of Boron Contamination
<a href="#">P2.030</a>	E.Anabitarte	Effects of induced radial current on turbulent transport in a linear plasma machine
<a href="#">P2.031</a>	C.Ionita	Phase Space Reconstruction of Current-Driven Instabilities in a Magnetised Plasma Column

<a href="#">P2.032</a>	V.P.Olefir	Gas Discharge Sustained by Potential Surface Waves in Magnetized Waveguide Structure Filled by Radially Non-uniform Plasma
<a href="#">P2.033</a>	A.Mohri	Different Features of Electron Plasma Confinement of Rectangular and Harmonic Electric Potential Wells
<a href="#">P2.035</a>	D.Alexandroaei	Quasistatic and Dynamic Properties of an Alternating Current Driven Double Layer
<a href="#">P2.036</a>	V.Lapshin	INVESTIGATION OF EMISSION CHARACTERISTICS OF H-ION SOURCE ON THE BASIS OF REFLECTIVE DISCHARGE WITH METAL HYDRIDE CATHODE
<a href="#">P2.038</a>	G.M.D.Hogeweyj	Test of q comb model on electron ITBs in electron heated JET discharges
<a href="#">P2.039</a>	G.Tresset	TRANSPORT IDENTIFICATION BY NEURAL NETWORK IN JET ITB REGIMES
<a href="#">P2.040</a>	K.D.Lawson	Localized Impurity Sources in JET D and He-fuelled discharges
<a href="#">P2.041</a>	G.S.Amarante-Segundo	Optimization Of The JET-EP ICRH Antenna With The ICANT Code
<a href="#">P2.042</a>	M.E.Puiatti	Simulation of the time behavior of impurities in Jet Ar-seeded discharges and its relation with sawteething
<a href="#">P2.043</a>	R.C.Wolf	Ion heat transport in JET and ASDEX Upgrade tokamak plasmas
<a href="#">P2.044</a>	D.Mazon	Real-time control of the current profile in JET
<a href="#">P2.045</a>	C.Fourment	Drift Wave Stability of ITB Reversed Magnetic Shear Discharges in JET
<a href="#">P2.046</a>	K.Kirov	ECRH power deposition studies in ASDEX Upgrade
<a href="#">P2.048</a>	A.Geier	Operation of ASDEX Upgrade with a fully tungsten coated central column - Results from experiments and modeling
<a href="#">P2.049</a>	T.Kurki-Suonio	Monte Carlo Simulations of Edge Ion Distribution and NPA Fluxes in ASDEX Upgrade
<a href="#">P2.050</a>	A.Manini	Interpretation of Plasma Dynamic Response to Additional Heating Power in ASDEX Upgrade and TCV
<a href="#">P2.051</a>	G.Pautasso	Mitigation of disruptions with fast impurity puff on ASDEX Upgrade
<a href="#">P2.052</a>	X.Gong	Erosion and Deposition of Tungsten as Plasma Facing Material at the Central Column Heat Shield of ASDEX Upgrade
<a href="#">P2.053</a>	D.Frigione	RI mode in FTU ohmic plasma by Ne injection
<a href="#">P2.054</a>	P.Buratti	Fast Reconnection and Saturated m 1 Modes in FTU Tokamak
<a href="#">P2.056</a>	K.Cromb�	Transport, Radiation and Rotation Properties of Carbon on TEXTOR under the influence of the Dynamic Ergodic Divertor - Physical issues and design of a new diagnostic
<a href="#">P2.057</a>	G.VanWassenhove	Influence of isotopic composition on the performance of plasmas with a radiating mantle in TEXTOR

<a href="#">P2.059</a>	P.Lindner	SPECTROSCOPIC STUDIES OF THE VELOCITY DISTRIBUTION OF HELIUM AND NEON ATOMS RELEASED FROM CARBON AND TUNGSTEN LIMITERS IN TEXTOR-94
<a href="#">P2.060</a>	G.Verdoolaeye	Reconstruction Of The Edge Zeff Profile From Bremsstrahlung Data Via Extensions Of Independent Component Analysis On TEXTOR
<a href="#">P2.061</a>	J.C.vanGorkom	Density Fluctuation Measurements at TEXTOR by Pulsed Radar and CW Reflectometry
<a href="#">P2.062</a>	A.Messiaen	NEW DEVELOPMENTS IN ICRH ANTENNAS ON TEXTOR
<a href="#">P2.063</a>	R.Jaspers	ELECTRON TRANSPORT BARRIERS IN TEXTOR PLASMAS
<a href="#">P2.064</a>	J.C.DeBoo	Transport Studies in DIII-D with Modulated ECH
<a href="#">P2.065</a>	T.A.Casper	DIII-D Quiescent Double Barrier Regime Experiments and Modeling
<a href="#">P2.067</a>	R.V.Bravenec	Turbulence Measurements on DIII-D Discharges with Modulated ECH and Comparisons with Turbulence Simulations
<a href="#">P2.070</a>	A.S.Tukachinsky	Observation of Improved Confinement in the Initial Phase of the Ohmic Discharge in the TUMAN-3M
<a href="#">P2.072</a>	P.Balan	Measurements of the Fluctuation-Induced Flux with Emissive Probe in the CASTOR Tokamak
<a href="#">P2.073</a>	S.Alberti	Top Launch 3rd Harmonic X-mode Electron Cyclotron Heating in the TCV Tokamak
<a href="#">P2.074</a>	P.Blanchard	Analysis of the Electron Cyclotron Emission from the Non-Thermal Electron Population Generated by ECRH and ECCD
<a href="#">P2.075</a>	A.Pochelon	Optimisation of the Current Profile with far off-axis ECH Power Deposition in high Elongation TCV Plasmas
<a href="#">P2.076</a>	G.Arnoux	Modulated ECH Power Absorption Measurements with a Diamagnetic Loop in TCV
<a href="#">P2.077</a>	A.Zabolotsky	Particle transport and density profile behaviour in TCV
<a href="#">P2.078</a>	A.W.Degeling	Active Modification of the ELM Frequency on TCV
<a href="#">P2.079</a>	I.Condrea	Pure Helium Discharge Operation in TCV
<a href="#">P2.080</a>	A.Scarabosio	MHD Instabilities during Current Ramp Up as a Function of Plasma Shape in the TCV Tokamak
<a href="#">P2.081</a>	T.P.Goodman	ECCD and Bootstrap Current Profiles in Advanced Scenario Plasmas in TCV
<a href="#">P2.082</a>	D.Raju	DINA simulations of TCV Electron Cyclotron Current Drive and Heating
<a href="#">P2.083</a>	S.Kuhn	BEHAVIOUR OF A DUST CLOUD IN THE PLASMA SHEATH ADJACENT TO A CONDUCTING WALL
<a href="#">P2.084</a>	I.Katanuma	A Single Minimum-B Ambipolar Trap
<a href="#">P2.085</a>	K.HANADA	Measurement of prompt loss of energetic electrons in a long LHCD discharge on TRIAM-1M

<a href="#">P2.086</a>	F.Califano	Vlasov-Maxwell simulations of a finite amplitude, high frequency longitudinal wave in a magnetized plasma
<a href="#">P2.087</a>	O.Sauter	Electron ITB In Fully Non-Inductive Reverse Shear Scenarios
<a href="#">P2.088</a>	S.FerrandoiMargalet	Bootstrap Current for 3D Reactor-Size Configurations
<a href="#">P2.090</a>	E.Strumberger	Application of Three-Dimensional Codes to Tokamaks
<a href="#">P2.092</a>	A.Lifschitz	Numerical Calculations of Neutral Beam Injection in FRCs and Spheromaks
<a href="#">P2.093</a>	Y.Yagi	Progress in the Pulsed Poloidal Current Drive in the TPE-RX Reversed-field Pinch Device
<a href="#">P2.094</a>	D.Tskhakaya	Particle simulations of the magnetized hydrogen plasma-wall transition taking into account collisions with hydrogen atoms
<a href="#">P2.096</a>	Ch.G.Eherer	Linear Wave Model of the DED Field
<a href="#">P2.097</a>	D.L.Brower	Current Profile Dynamics and Core Magnetic Fluctuations in the MST Reversed-Field Pinch
<a href="#">P2.098</a>	M.A.Mahdavi	Effect of Particle Sources on the Structure of the H-mode Pedestal
<a href="#">P2.099</a>	W.Kernbichler	Calculation of Self-consistent Radial Electric Field in Presence of Convective Electron Transport in a Stellarator
<a href="#">P2.100</a>	W.Kernbichler	Evaluation of the Bootstrap Current in Stellarators
<a href="#">P2.103</a>	R.Raman	Coaxial Helicity Injection for plasma start-up in NSTX
<a href="#">P2.104</a>	K.Yatsu	POTENTIAL FORMATION AND CONFINEMENT IN HIGH DENSITY PLASMA ON THE TANDEM MIRROR GAMMA 10
<a href="#">P2.105</a>	V.Petrzilka	Effects of the Tilt of Magnetic Field Lines on Electron Acceleration in Front of LH Grills and on Ensuing Plasma Flows, Density Perturbations and Charge Separation Fields
<a href="#">P2.106</a>	Y.Q.Liu	Active Control of Resistive Wall Modes in Tokamaks
<a href="#">P2.107</a>	V.D.Pustovitov	Plasma Equilibrium with Stationary Toroidal Flow in Tokamaks
<a href="#">P2.108</a>	S.I.Popel	Modulational Interaction as a Possible Source for Streamers and Zonal Flows
<a href="#">P2.109</a>	T.Hellsten	Effects of Finite Drift Orbit Width and RF-induced Spatial Transport on Plasma Rotation by ICRH
<a href="#">P2.110</a>	N.Loureiro	Spectral Properties of the Advection-Diffusion
<a href="#">P2.111</a>	A.S.Ware	High-Beta Quasi-Poloidally Symmetric Stellarator Configurations
<a href="#">P2.112</a>	E.V.Belova	Kinetic Stability of the Field Reversed Configuration
<a href="#">P2.113</a>	S.Yu.Medvedev	3D Equilibrium Averaged Description and Consistency Check
<a href="#">P2.116</a>	S.Zoletnik	Identifying turbulence phenomena in the Wendelstein 7-AS stellarator
<a href="#">P2.118</a>	J.Baranowski	Experimental Investigation of Pulsed Hydrogen Plasma in RPI-type Device

<a href="#">P2.119</a>	A.Romannikov	To the question of discrepancy between measured poloidal rotation velocity $V_p$ in a tokamak plasma by corpuscular and CXRS methods and its predictions under the collisionless neo-classical theory.
<a href="#">P2.120</a>	V.Yu.Sergeev	Evaluations of Optimal Pellet Injection Parameters and Expected Detector Signals for the PCX Diagnostics on LHD
<a href="#">P2.121</a>	V.V.Bulanin	Simulation of microwave scattering in Doppler reflectometry experiment
<a href="#">P2.123</a>	K.M.Aggarwal	Collision strengths for transitions in Ca XV
<a href="#">P2.124</a>	K.M.Aggarwal	Excitation rates for transitions in Fe XI
<a href="#">P2.125</a>	T.Hatae	Improvement of Thomson Scattering System Using SBS Phase Conjugation Mirrors in JT-60U
<a href="#">P2.126</a>	P.Peleman	Study of the accuracy of Mach Probes to Measure the Parallel and Perpendicular Flow in the Plasma Edge
<a href="#">P2.127</a>	E.Z.Gusakov	The Upper Hybrid Resonance in the Turbulent Plasma
<a href="#">P2.128</a>	V.Kh.Liechtenstein	Development and Characterization of Ultra-thin Diamond-like Carbon Foils for Particle Diagnostics in Laboratory and Space Plasmas

## Session P3 (Poster Session Wednesday)

PaperID	Author	PosterTitle
<b>Specialist Session</b>		
<a href="#">P3.201</a>	M.Vittoria	Plasma Turbulence in the TCABR Scrape-off Layer
<a href="#">P3.202</a>	M.W.Jakubowski	Atlas for the TEXTOR-DED operations
<a href="#">P3.203</a>	A.Savtchkov	Fast valve for mitigating disruptions in tokamaks
<a href="#">P3.205</a>	S.I.Krasheninnikov	Blobby cross-field plasma transport in tokamak edge
<a href="#">P3.206</a>	E.D.Quigley	Formation Criterion and Position of Internal Transport Barriers in ASDEX Upgrade
<a href="#">P3.207</a>	C.Hidalgo	Fluctuation-Induced Turbulent Transport and Sheared Flows close to Instability Threshold in the TJ-II Stellarator
<a href="#">P3.208</a>	B.Gonçalves	Experimental evidence of turbulent transport near marginal stability in the plasma boundary region in the TJ-II stellarator
<a href="#">P3.209</a>	J.Hogan	Model for carbon erosion and redeposition from the Tore Supra actively cooled limiter LDC
<a href="#">P3.210</a>	T.Kurki-Suonio	Orbit-Following Monte Carlo Study of Differences in Divertor Target Ion Load Profiles Between Helium and Deuterium Plasmas in JET
<a href="#">P3.211</a>	A.Kendl	Local and global magnetic shear damping of drift wave turbulence

<a href="#">P3.212</a>	F.Gadelmeier	Island Divertor Experiments on the W7-AS Stellarator
<a href="#">P3.213</a>	P.Beyer	Electrostatic Turbulence Transport in Edge Plasmas: Bursts Zonal FLoWs, Stochastic Field Lines, Transport Barriers
<a href="#">P3.214</a>	M.Bruchhausen	Measurements of Electron Density Fluctuations in the Scrape-Off Layer and Edge Plasma of the Stellarator Wendelstein 7-AS by means of Laser Blow-Off
<a href="#">P3.215</a>	F.ALLAIS	Nonlocal Electron Parallel Heat Transport in Divertor Plasmas and Atomic Physics Rates
<a href="#">P3.216</a>	A.Tonegawa	Detached Plasma Control by Negative Ion in Divertor Simulator
<a href="#">P3.217</a>	J.Rasmussen	Transport barriers and ELM's in flute mode turbulence
<a href="#">P3.218</a>	M.Schubert	Spatially Resolved Fast Swept Langmuir Probe Measurements in the Wendelstein 7-AS stellarator
<a href="#">P3.220</a>	S.J.Zweben	Edge Turbulence Imaging on NSTX and Alcator C-Mod

## Session P4 (Poster Session Thursday)

PaperID	Author	PosterTitle
<a href="#">P4.001</a>	M.A.Erukhimova	To the theory of parametric instability of the cyclotron radiation in
<a href="#">P4.002</a>	O.Maj	Electromagnetic Wave Energy Transport in a Weakly Inhomogeneous and Slightly Dissipative Medium with Embedded Sources
<a href="#">P4.003</a>	T.Gyergyek	Plasma potential formation in front of a floating electron emitting electrode in a two-electron temperature plasma
<a href="#">P4.004</a>	F.Bouزيد	Time-Dependent Closure Relations of the Collisionless Fluid Equations in Fully Ionized Plasmas and Rarefied Neutral Gases
<a href="#">P4.005</a>	E.M.Hollmann	Measurement and modeling of molecular ion concentrations in a hydrogen reflex-arc discharge
<a href="#">P4.006</a>	S.L.Senchenko	Local approximation for contour dynamics in effectively 2D EMHD flows
<a href="#">P4.008</a>	I.Kourakis	Relaxation times for magnetized plasma - a parametric study
<a href="#">P4.009</a>	C.Cereceda	Analytic Approximated Solution for the Bohm Sheath Potential
<a href="#">P4.010</a>	M.Y.Tanaka	Formation of Dissipative Vortex and Anomalous Viscosity in a Rotating Plasma
<a href="#">P4.011</a>	E.Asp	The effect of shear flow on inverse Landau damping of drift modes in tokamak plasma
<a href="#">P4.012</a>	S.Yoshimura	Potential Structure and Quasi-neutrality Breaking of Plasma Hole
<a href="#">P4.013</a>	J.Wolowski	ANGULAR DISTRIBUTIONS OF IONS EMITTED FROM THE LASER-PRODUCED PLASMA IN A MAGNETIC FIELD

<a href="#">P4.014</a>	N.K.Gupta	Growth of Rayleigh-Taylor Instability at Interface Between a Target and a Flyer.
<a href="#">P4.015</a>	A.B.Kukushkin	Observation of Skeletal Filamentary Structures in Plasma of a Fast Z-Pinch
<a href="#">P4.017</a>	S.Maierov	Collisional electron heating by an ultraintense ultrashort laser pulse focused in a gas
<a href="#">P4.018</a>	O.B.Shiryaev	Interactions of Relativistically Intense Electromagnetic Waves With Cold Strongly Underdense Plasmas
<a href="#">P4.020</a>	B.K.Sinha	Resonance Absorption, Ablation Pressure And Absorption-Quenching in Laser-Plasma Experiments from Planar Targets
<a href="#">P4.026</a>	N.Vianello	Electrostatic fluctuations in a Magneto-Plasma-Dynamics MPD Thruster
<a href="#">P4.027</a>	A.Descoeudres	Negative Ions Dynamics and Attachment-induced Ionization Instability in O <sub>2</sub> , CF <sub>4</sub> and SF <sub>6</sub> Low-pressure Power Modulated Capacitive RF Plasmas
<a href="#">P4.028</a>	G.Rochat	Effect of Substrate Crystalline Morphology on the Durability of PECVD Thin SiO <sub>x</sub> Coatings
<a href="#">P4.029</a>	V.Lapshin	INTENSIVE X-RAY GENERATOR ON THE BASIS OF LOW PRESSURE PLASMA DIODE
<a href="#">P4.030</a>	J.Scharer	Measurements of Helicon Wave Propagation and Ar II Emission
<a href="#">P4.032</a>	T.Novikova	Numerical Modeling of Hydrogen Plasmas Effects of Frequency and Pressure.
<a href="#">P4.033</a>	O.K.Cheremnykh	To the Theory of the Ballooning Perturbations in the Inner Magnetosphere of the Earth
<a href="#">P4.035</a>	A.A.Schekochihin	The nonlinear small-scale dynamo and isotropic MHD turbulence
<a href="#">P4.036</a>	I.S.Nanobashvili	About the Toroidal Magnetic Field Generation in the Magnetosphere of Crab Pulsar
<a href="#">P4.038</a>	G.Granucci	Enhanced CD with up-shift and down-shift damping of EC waves on fast electrons in FTU
<a href="#">P4.039</a>	G.Granucci	Heating and Current Drive by Lower Hybrid Waves Injection in High Density Plasmas of FTU Tokamak
<a href="#">P4.040</a>	A.Jacchia	Application of Modulated ECH to Electron Heat Transport Study on FTU Tokamak.
<a href="#">P4.041</a>	M.Leigheb	High Performance FTU Multiple Pellet Injection with no High-Z Impurity Accumulation
<a href="#">P4.042</a>	L.Carraro	Impurity transport simulation in Radiatively Improved and ITB plasmas in FTU
<a href="#">P4.043</a>	R.Burhenn	Characterization of impurity transport in the W7-AS stellarator during the transition to the improved confinement regime
<a href="#">P4.044</a>	H.Ehmler	Comparative Study of intrinsic edge impurities in the W7-AS stellarator during high confinement discharges
<a href="#">P4.045</a>	N.Rust	Recent Results from W7-AS with the new radial NBI injector
<a href="#">P4.046</a>	A.G.Shalashov	NBI-driven Ion Cyclotron Instabilities at W7-AS

<a href="#">P4.047</a>	B.V.Kuteev	Studies of Three Dimensional Cloud Structure of Carbon Pellets Ablated in the W7-AS Plasma
<a href="#">P4.048</a>	R.Guirlet	Measurements and modelling of neutral helium populations on the actively cooled limiter of Tore Supra
<a href="#">P4.049</a>	A.Cambe	Chemical erosion measurements and modelling in Tore-Supra
<a href="#">P4.050</a>	W.R.Hess	Relation between Core Impurity Accumulation and Ion Loss due to toroidal Ripple in Tore Supra
<a href="#">P4.051</a>	Y.Peysson	Modeling of fast electrons losses in magnetic toroidal ripple during the application of Lower Hybrid wave in Tore Supra
<a href="#">P4.052</a>	Y.Peysson	Fast Electron Bremsstrahlung Energy Spectrum of Lower Hybrid Current Driven Plasmas
<a href="#">P4.053</a>	G.Kuang	Recent experiments in the HT-7 superconductive tokamak
<a href="#">P4.054</a>	L.Q.Hu	Study of the snake oscillation phenomenon on HT-7 tokamak
<a href="#">P4.055</a>	S.X.Liu	Charge-Exchange Measurements During Ion Bernstein Wave Heating in HT-7 Tokamak
<a href="#">P4.056</a>	B.J.Ding	Improved Mode by Lower Hybrid Current Drive on HT-7 Tokamak
<a href="#">P4.057</a>	R.Prater	Physics of Off-Axis Electron Cyclotron Current Drive
<a href="#">P4.058</a>	A.Zagorodny	Turbulent Diffusion in External Magnetic Field: Time-Nonlocal Effects and Numerical Simulations
<a href="#">P4.059</a>	S.J.Allfrey	Global Gyrokinetic Simulations of Nonlinear Interaction of Zonal Flows with ITG Modes
<a href="#">P4.061</a>	K.Toi	Transport Studies of Dimensionally-Similar Low-Energy-Density Plasmas in CHS Heliotron/Torsatron
<a href="#">P4.062</a>	S.V.Konovalov	Subbanana magnetic islands in tokamaks
<a href="#">P4.063</a>	S.V.Konovalov	Generalized transport threshold model of neoclassical tearing modes
<a href="#">P4.064</a>	L.Marrelli	Investigation of High Frequency Magnetic Turbulence Statistical Properties in Standard and Improved Confinement Plasmas in the MST RFP
<a href="#">P4.065</a>	T.Ozaki	SPATIAL DISTRIBUTION OF HIGH-ENERGY PARTICLE NBI AND ECH PLASMAS OF LARGE HELICAL DEVICE
<a href="#">P4.066</a>	M.A.Balakina	Tangent injection of microwave radiation for the purpose of the tearing mode stabilization
<a href="#">P4.067</a>	D.Stutman	Experimental Evidence of Low Impurity Transport in NSTX
<a href="#">P4.068</a>	G.T.Hoang	Additional Heating Power Required for ITB Formation in Tokamaks
<a href="#">P4.069</a>	L.Villard	Stabilization of ITG Modes and Destabilization of Trapped Particle Modes with ExB Flows
<a href="#">P4.070</a>	R.Kamendje	Nonlinear Electron Cyclotron Current Drive with 2nd Harmonic X-Mode
<a href="#">P4.071</a>	D.Swain	Results of High-Harmonic Fast Wave Experiments on NSTX
<a href="#">P4.072</a>	E.Z.Gusakov	Investigation of slowed down Lower Hybrid waves in RF Heating and Current Drive experiments at FT-2 tokamak

<a href="#">P4.073</a>	E.Z.Gusakov	Modeling of Enhanced Scattering in Dense Plasmas
<a href="#">P4.074</a>	M.Cecconello	Electron density and transport in EXTRAP T2R
<a href="#">P4.075</a>	G.D.Conway	Locating rational surfaces from reflectometer fluctuations
<a href="#">P4.076</a>	G.Poulipoulis	Tokamak equilibria with reversed magnetic shear and flow
<a href="#">P4.077</a>	M.Aizawa	Various Control Methods of Effective Toroidal Curvature Term for Improving Particle Confinement Properties of L 1 Helical Systems
<a href="#">P4.078</a>	S.V.Kasilov	Transport Barriers in Braided Toroidal Magnetic Field
<a href="#">P4.079</a>	H.Thomsen	CHARACTERIZATION OF ELM PHENOMENA BY MEANS OF VISIBLE IMAGING IN THE WENDELSTEIN 7-AS STELLARATOR
<a href="#">P4.081</a>	V.A.Rozhansky	THE ROLE OF GRAD B-INDUCED DRIFTS ON PELLET ABLATION
<a href="#">P4.082</a>	A.Beklemishev	Nonlinear Covariant Gyrokinetic Equations
<a href="#">P4.083</a>	A.D.Beklemishev	Study of Fast Ion Confinement in Reversed Field Pinch
<a href="#">P4.084</a>	V.A.Yavorskij	Effect of Flux Surface Shape on the Adiabaticity of Fast Ions in Spherical Tori
<a href="#">P4.085</a>	S.Goto	Neutral-Beam Assisted Experiment of an FRC Plasma
<a href="#">P4.086</a>	S.Okamura	Equilibrium and Boundary Structure of Quasi-axisymmetric Stellarator CHS-qa
<a href="#">P4.088</a>	G.Vlad	Nonlinear Dynamics of Shear Alfvén Modes and Energetic Ion Confinement in Optimized Shear Tokamak Equilibria
<a href="#">P4.089</a>	V.Rozhansky	Radial Electric Field in the Biasing Experiments and Effective Conductivity in a Tokamak
<a href="#">P4.090</a>	S.I.Lashkul	Dynamics of the Transport Barrier Formation on the FT-2 Tokamak Caused by Low Hybrid Heating
<a href="#">P4.092</a>	I.Pavlenko	Two Dimension Bounce-Averaged Fokker-Planck Solver with Nonlinear Collision Operator for the Simulation of the Ion Heating Problems
<a href="#">P4.093</a>	V.P.Pavlenko	Self-Consistent Dynamics of Flute Mode Turbulence with Large-Scale Flows
<a href="#">P4.095</a>	V.Grandgirard	SEMI-LAGRANGIAN DRIFT-KINETIC CODE FOR SLAB-ITG TURBULENCE
<a href="#">P4.097</a>	V.V.Plyusnin	Effect of micro-instabilities on runaway generation in tokamak disruptions
<a href="#">P4.098</a>	A.V.Anikeev	The SHIP Experiment at GDT Physical Concept and Pre-calculations
<a href="#">P4.099</a>	B.Seiwald	Optimization of Stellarators with Respect to Neoclassical Transport in Real Space
<a href="#">P4.100</a>	J.F.Lyon	Overview of the QPS Project
<a href="#">P4.101</a>	J.F.Lyon	QPS Transport and Energetic Particle Physics
<a href="#">P4.102</a>	M.Brunetti	Comparisons between Semi-Lagrangian Drift-Kinetic Code and PIC Code Simulations for ITG Studies

<a href="#">P4.104</a>	V.K.Gusev	Runaway Electrons Acceleration in Globus-M Spherical Tokamak
<a href="#">P4.106</a>	K.M.Rantamäki	Particle-in-Cell Simulations for Lower Hybrid Coupling near Cut-off Density
<a href="#">P4.107</a>	A.Ishizawa	Forced Magnetic Reconnection Characterized by Resistive-Kink Time Scale in Cylindrical Tokamak
<a href="#">P4.108</a>	A.G.Elifimov	Low Frequency Heating And Particle Flow Driven by Ergodic Divertor Coils in Tokamaks
<a href="#">P4.109</a>	L.A.Berry	All-Orders, Full-Wave RF Computations Using Localized Basis Functions
<a href="#">P4.110</a>	L.A.Berry	QPS Plasma and Coil Optimization
<a href="#">P4.111</a>	K.W.Gentle	Transport and Reconnection in Sawteeth
<a href="#">P4.112</a>	M.Schmidt	Delta f Monte Carlo simulations for stellarators
<a href="#">P4.113</a>	S.-I.Itoh	Bifurcations in three classes of turbulent fluctuations with different scale-lengths
<a href="#">P4.114</a>	D.Craig	Auxiliary Heating and Current Drive in the MST Reversed Field Pinch
<a href="#">P4.115</a>	T.Fülöp	Localization of fast magnetosonic eigenmodes in spherical tori
<a href="#">P4.116</a>	S.Heuraux	RADIAL WAVE-NUMBER SPECTRUM DEDUCED FROM PHASE FLUCTUATION SPECTRUM GIVEN BY A REFLECTOMETER
<a href="#">P4.117</a>	I.A.Ivanov	Study of Hot Plasma at the GOL-3 Multiple Mirror Trap by High Resolution Spectrometry
<a href="#">P4.118</a>	A.Sushkov	TCV High Resolution X-ray Imaging Diagnostic
<a href="#">P4.119</a>	A.N.Karpushov	Relaxation of the DNBI Deposited Particles in the TCV Plasmas
<a href="#">P4.120</a>	P.Bosshard	Ion Temperature Behaviour and Ion Contribution to the Power Balance Measured by CXRS in Ohmic and ECR Heated Plasmas on TCV
<a href="#">P4.121</a>	E.Scavino	Investigation of Impurity Transport in TCV
<a href="#">P4.122</a>	T.I.Madeira	Pulse Height Analysis X-ray spectroscopy in the tokamak TCV
<a href="#">P4.123</a>	V.Piffl	VUV Imaging Spectroscopy on CASTOR Tokamak
<a href="#">P4.124</a>	T.Aniel	On the sensitivity of Polarimetric Measurements of the Current Density Profiles in Tokamaks
<a href="#">P4.125</a>	A.Plain	Particle Observation and Optical Spectroscopy in Methane Radiofrequency Discharges.
<a href="#">P4.126</a>	G.Spizzo	First Results of SXR profile measurements in the MST reversed field pinch
<a href="#">P4.127</a>	A.Romannikov	Time-of-Flight Refractometry for Robust Line-Averaged Density and Plasma Vertical Position Measurements on the T-11M Tokamak
<b>Specialist Session</b>		
<a href="#">P4.202</a>	S.I.Popel	Landau Damping in Formation and Propagation of Dust Ion Acoustic Perturbations in Complex Plasmas

<a href="#">P4.206</a>	A.V.Filippov	2D Simulation of Dust Particle Charging in Terms of Diffuse-Drift Approach
<a href="#">P4.207</a>	A.V.Filippov	Study of Dust Grain Charging in Helium at Elevated Pressures by Nonlocal Moment Method
<a href="#">P4.209</a>	S.V.Vladimirov	Kinetics of flowing plasma around two dust grains
<a href="#">P4.210</a>	S.V.Vladimirov	Oscillations in a chain of rod-shaped particles in a plasma
<a href="#">P4.212</a>	W.J.Goedheer	Hydrodynamic modelling of dust clouds in a radio-frequency discharge
<a href="#">P4.214</a>	J.Puerta	Numerical Treatment of the Ion Acoustic Instabilities in an Ion Beam Dusty Plasma Considering Dust Charge Fluctuations
<a href="#">P4.215</a>	O.Vaulina	Criteria for Phase-Transitions in Yukawa systems dusty plasma
<a href="#">P4.220</a>	C.Arnas	Dust production from a carbon target exposed to a hydrogen plasma
<a href="#">P4.221</a>	I.Kourakis	Modulational instability and localized excitations in dusty plasma crystals
<a href="#">P4.225</a>	L.Stenflo	Stabilization of Farley-Buneman modes in the presence of radar beams
<a href="#">P4.227</a>	L.V.Deputatova	Ordered Structures in Nuclear Induced Dusty Plasma

## Session P5 (Poster Session Friday)

PaperID	Author	PosterTitle
<a href="#">P5.001</a>	S.J.Talasman	Role of the Negative Resistance Behavior in the Self-organized Process in Plasmas
<a href="#">P5.002</a>	S.J.Talasman	The Influence of a RF-field on a Self-organized Plasma Structure
<a href="#">P5.003</a>	F.Doveil	Saturation of beam-plasma instability is sensitive to discrete particle effects
<a href="#">P5.004</a>	F.Doveil	Diffusion of a test electron beam by a broad wave spectrum propagating in a traveling wave tube
<a href="#">P5.006</a>	N.Claire	Ion soliton observation with laser induced fluorescence
<a href="#">P5.008</a>	S.I.Popel	Excitation of Magnetic Fields Correlated with Large Amplitude Lower-Hybrid Waves in Plasmas
<a href="#">P5.009</a>	E.Z.Gusakov	Dynamics of the Plasma Wave Breaking Phenomena
<a href="#">P5.010</a>	M.Strat	Double Layer Formation in Argon Glow Discharge
<a href="#">P5.013</a>	F.AlouaniBibi	NONLOCAL DESCRIPTION OF ELECTRON HEAT TRANSPORT IN PLASMAS HEATED BY INVERSE BREMSSTRAHLUNG
<a href="#">P5.014</a>	G.Leclert	Dynamical control of the convective transport behind a limiter in a magnetized laboratory plasma

<a href="#">P5.015</a>	G.Leclert	SPIRAL STRUCTURES OF LOW FREQUENCY WAVES IN A MAGNETISED PLASMA
<a href="#">P5.017</a>	O.Ya.Kolesnychenko	Frequency Spectrum of Alfvén Waves Destabilized in Flashing Loops of the Solar Corona
<a href="#">P5.019</a>	V.P.Pavlenko	Kinetic Model of the Transition Layer between the plasmas with different Values of Invariants
<a href="#">P5.020</a>	V.P.Pavlenko	Fully Kinetic Theory of Drift-Mirror Modes in Space Plasmas. Electron Drift-Mirror Instability
<a href="#">P5.021</a>	V.P.Pavlenko	Linear theory of the mirror instability in non-Maxwellian space plasmas
<a href="#">P5.023</a>	B.Zurro	A Study of Anomalous Impurity Temperatures in the TJ-II Stellarator
<a href="#">P5.024</a>	A.Baciero	An Investigation of the Role of Topological Structures on Confinement in the TJ-II Stellarator
<a href="#">P5.025</a>	B.Zurro	A Study of Impurity Transport after Injection by Laser Ablation in the TJ-II
<a href="#">P5.026</a>	T.Estrada	Influence of Rotational Transform and Magnetic Shear on the Energy Content of TJ-II Plasmas
<a href="#">P5.027</a>	J.M.Fontdecaba	Benchmarking of PRETOR-Stellarator Code Using PROCTR Simulations on TJ-II Shots
<a href="#">P5.029</a>	B.Ph.vanMilligen	Non-Diffusive Transport Phenomena in TJ-II
<a href="#">P5.030</a>	R.Balbín	Charge Exchange Neutral Particle Fluxes and Poloidal Asymmetries in the TJ-II Stellarator
<a href="#">P5.031</a>	V.Yu.Sergeev	Studies of Suprathermal Electrons in the W7-AS by Means of Pellet Injection
<a href="#">P5.032</a>	S.Klose	Asymmetries of Impurity Radiation in the W7-AS observed with Soft-X-Ray Tomography
<a href="#">P5.033</a>	A.Kreter	Optimized confinement discharges with high ion temperatures after installation of the island divertor in W7-AS
<a href="#">P5.034</a>	N.Ramasubramanian	Spectroscopic characterisation of W7-AS island divertor plasmas
<a href="#">P5.035</a>	J.Geiger	HINT Equilibrium Calculations for W7-AS
<a href="#">P5.036</a>	M.Otte	Initial Results of Magnetic Surface Mapping in the WEGA Stellarator
<a href="#">P5.038</a>	T.P.Kiviniemi	Particle Modelling of Neoclassical Effects and Low-frequency Turbulence in Tokamak Plasmas
<a href="#">P5.039</a>	S.Toda	Theoretical Study of Structure and Dynamics of Radial Electric Field in Helical Plasmas
<a href="#">P5.040</a>	V.I.Lapshin	Theory of Electric Barrier Formation in ECR Point in Inhomogeneous Magnetic Field
<a href="#">P5.041</a>	V.I.Lapshin	REDUCTION OF THE RF DISCHARGE PLASMA TRANSPORT IN THE URAGAN-3M TORSATRON DUE TO $E \times B$ SHEARED ROTATION IN THE VICINITY OF RATIONAL MAGNETIC SURFACES
<a href="#">P5.042</a>	M.Leigheb	Observation of anomalous Iron Ion Charge Distribution in FTU

<a href="#">P5.043</a>	E.Martines	PROBE ARRAY DIAGNOSTICS FOR SPATIALLY RESOLVED FLUCTUATION MEASUREMENTS
<a href="#">P5.044</a>	T.K.Soboleva	PLASMA PARAMETERS IN RUNAWAY DISCHARGES IN TCABR TOKAMAK
<a href="#">P5.045</a>	H.Koguchi	Radiation profile and impurity line emissions on TPE-RX
<a href="#">P5.046</a>	A.Pankin	Electron Temperature Gradient Model as Part of Integrated Predictive Modeling
<a href="#">P5.047</a>	S.Woodruff	Route to high temperatures by current amplification in the Sustained Spheromak Physics Experiment SSPX
<a href="#">P5.048</a>	E.Strumberger	Computational Models of Toroidal Steady-State Plasmas for the Purpose of Stability Investigations
<a href="#">P5.049</a>	I.R.Videnovic	Quasi-Stationary High-Current Plasma Accelerator as Plasma Injector for Fusion Devices
<a href="#">P5.050</a>	H.Tanaka	Formation of ECH Spherical Tokamak on LATE
<a href="#">P5.051</a>	R.J.Dumont	ICRF wave propagation and absorption in plasmas with non-thermal populations
<a href="#">P5.052</a>	K.Matsuoka	Prospect of Strongly Inward Shifted Configuration in CHS
<a href="#">P5.053</a>	A.G.Elifimov	Permittivity Tensor and RF Dissipation in Plasmas of Low Aspect Ratio Toroidal Devices
<a href="#">P5.054</a>	B.Weyssow	Hermitian Moment Method for non-maxwellian distributions during ICRH
<a href="#">P5.056</a>	B.V.Kuteev	Kinetic Depletion Model and Toroidal Effects on Pellet Ablation
<a href="#">P5.057</a>	A.V.Burdakov	Experimental Results on Multiple Mirror Trap GOL-3
<a href="#">P5.059</a>	H.Sugama	Kinetic and Fluid Simulations of the Collisionless Slab Ion Temperature Gradient Driven Turbulence
<a href="#">P5.060</a>	D.A.Humphreys	Physics Processes in Disruption Mitigation Using Massive Noble Gas Injection
<a href="#">P5.061</a>	G.L.Falchetto	Global gyrokinetic study of finite beta effects on linear microinstabilities
<a href="#">P5.062</a>	Yu.V.Gott	Asymmetry Current in Toroidal Magnetic Traps
<a href="#">P5.064</a>	R.Kumazawa	Parameter Range of ICRF Heated Plasma on Large Helical Device
<a href="#">P5.065</a>	J.P.Graves	Critical Behaviour of Fast Particles Induced by NBI in Sawtooth Stability Modelling
<a href="#">P5.066</a>	S.V.Ryzhkov	Numerical Investigation of Anomalous Diffusion in Nonuniform Plasma with Drift Waves
<a href="#">P5.067</a>	S.V.Ryzhkov	Nonlocal Modeling of Anomalous Transport in FRC Plasma
<a href="#">P5.068</a>	N.Pomphrey	Flexibility and Robustness Calculations for NCSX
<a href="#">P5.069</a>	J.J.Ramos	Dissipative drift ballooning instabilities in tokamaks
<a href="#">P5.071</a>	S.Takamura	Dynamic Behaviors of Tokamak Plasma induced by Externally Rotating Helical Magnetic Field

<a href="#">P5.072</a>	P.Popovich	A Low-Frequency Electromagnetic Wave Propagation Code in 2D and 3D
<a href="#">P5.073</a>	F.G.Meijer	PLASMA ROTATION MEASURED BY H-alpha EMISSION FROM THE T2R REVERSED FIELD PINCH
<a href="#">P5.074</a>	S.Cuperman	SOLUTION OF THE RESISTIVE TWO-FLUID WAVE EQUATIONS FOR ALFVENIC MODES IN SPHERICAL TOKAMAK PLASMAS
<a href="#">P5.075</a>	A.K.Ram	Electron Bernstein Waves in Spherical Tori
<a href="#">P5.076</a>	C.Marchetto	Transverse ion flow induced by Cherenkov absorption of a driven electrostatic wave in a magnetized plasma
<a href="#">P5.077</a>	A.V.Chankin	Modelling of the Current Hole in a Tokamak
<a href="#">P5.078</a>	N.V.Sakharov	Study of Vacuum Vessel Boronization in Globus-M Tokamak
<a href="#">P5.079</a>	E.Lazzaro	Anomalous Braking and Shear Modification of Plasma Rotation in a Tokamak
<a href="#">P5.082</a>	K.Ishii	Role of Radial Electric Field Control in the Tandem Mirror Plasma
<a href="#">P5.083</a>	V.Waller	Analysis of Pellet Toroidal Deflection in Sawtooth Discharges
<a href="#">P5.084</a>	T.Namba	Detailed Observation of inner Magnetic Field on ATRAS-RFP Experiment
<a href="#">P5.085</a>	C.Sozzi	Profile Consistency Theory Based on the Constant Magnetic Entropy Concept Theory and Observation.
<a href="#">P5.086</a>	A.A.Subbotin	Quasi-Isodynamical Configurations without Transitional Particle Orbits
<a href="#">P5.087</a>	O.K.Cheremnykh	Magnetohydrodynamic Equilibria of a Compressible Plasma with Mass Flow in an Axisymmetric TOKAMAK
<a href="#">P5.089</a>	A.Shishkin	Heavy Impurity Ion Control in Modular Stellarators with Drift Optimized Configurations
<a href="#">P5.091</a>	Y.Sato	Multi Probe Measurement of Fluctuating Magnetic Field
<a href="#">P5.092</a>	G.Cunningham	High Elongation in the Spherical Tokamak
<a href="#">P5.093</a>	J.P.Gunn	A DC Probe Diagnostic for Fast Electron Temperature Measurements in Tokamak Edge Plasmas
<a href="#">P5.094</a>	S.Hacquin	Effect of the k-spectrum and the poloidal rotation of turbulence in reflectometry measurements
<a href="#">P5.095</a>	J.Preinhaelter	Interpretation of ECE measurements on MAST
<a href="#">P5.096</a>	Y.Liu	Two dimensional soft-x ray and bolometric tomography based on magnetic flux surfaces
<a href="#">P5.097</a>	V.L.Selenin	Implementation of Correlative Enhanced Scattering Diagnostics of Small Scale Plasma Turbulence at the FT-2 tokamak
<a href="#">P5.098</a>	W.Biel	Design of VUV/XUV Spectrometers for Impurity Studies on W7-X
<a href="#">P5.100</a>	E.Z.Gusakov	Non-linear theory of radial correlation reflectometry

<a href="#">P5.103</a>	J.Svensson	Steps towards an integrated data analysis Basic concepts and Bayesian analysis of Thomson scattering data
<a href="#">P5.104</a>	H.Park	CHARACTERISTICS OF THE TEXTOR MICROWAVE IMAGING REFLECTOMETRY SYSTEM
<a href="#">P5.105</a>	L.N.Vyacheslavov	Search for New Capabilities of Imaging Interferometry on LHD

## Session D5 (D5 Post-Deadline Contributions)

PaperID	Author	PosterTitle
<a href="#">D5.001</a>	A.H.Kritz	Testing H-mode Pedestal and Core Transport Models Using Predictive Integrated Modeling Simulations
<a href="#">D5.002</a>	L.Giannone	Bolometer tomography and density limit of the high density H mode in the W7-AS Stellarator
<a href="#">D5.003</a>	N.B.Marushchenko	High Power NBCD Analysis at W7-AS
<a href="#">D5.005</a>	H.Kuroda	Sub-milliradian divergence 18.9 nm Ni-like Mo soft x-ray laser pumped by transient collisional excitation with subpicosecond 150 mJ laser
<a href="#">D5.010</a>	H.P.Laqua	Electron Bernstein wave heating and current drive in overdense plasmas at the Wendelstein7-AS-Stellarator.
<a href="#">D5.011</a>	P.Buratti	Alfvénic Reconnection in FTU Plasma and Sawtooth Trigger Analysis
<a href="#">D5.012</a>	S.Khorasani	New Algorithm for Time-Domain Simulation of Neo-classical Transport
<a href="#">D5.013</a>	V.A.Skvortsov	THE MAGNETIC MONOPOLES GENERATION IN LASER-INDUCED DISCHARGES
<a href="#">D5.014</a>	C.Marchetto	A NEW FAST AND ACCURATE KINETIC CODE FOR THE STUDY OF THE LOW FREQUENCY DYNAMICS IN A MAGNETISED PLASMA, DRIVEN BY AN EXTERNAL ELECTROSTATIC PUMP
<a href="#">D5.016</a>	P.Smeulders	Fast MHD Analysis on FTU