

P2 – Posters Tuesday

P2.101	S. Shiraiwa	High field side launch RF antenna design and current drive modeling for ADX
P2.102	M. Ghasemi	MHD equilibrium study in Alborz tokamak using radial basis functions (RBFs)
P2.103	S. Koohestani	2D FDTD simulation of ordinary mode reflectometry in Alborz Tokamak
P2.104	M. Gryaznevich	Progress Towards Compact Fusion Reactor
P2.105	A. Järvinen	Interpretation of partially detached divertor operation with and without impurity seeding in JET with EDGE2D-EIRENE
P2.106	T. Koskela	Improvement of neutron yield predictions in JET with ASCOT
P2.107	P. Lomas	Rho* dependence of Confinement in Baseline H modes at JET
P2.108	F. Clairet	Density fluctuations measured with fast frequency swept reflectometry
P2.109	P. Devynck	Effect of the ELMs on the production and concentration of Tungsten in JET ITER-Like-Wall discharges
P2.110	S. Moradi	Global vs local gyrokinetic studies of core microinstabilities in JET hybrid discharges with ITER like wall
P2.111	D. Tegnered	Gyrokinetic modelling of baseline H-mode JET plasmas with C Wall and ITER-like wall
P2.112	A. Bogomolov	Evolution of ELM signatures related to application of RMP coils and nitrogen seeding
P2.113	P. Manas	Gyrokinetic modelling of light impurity peaking in JET baseline and hybrid H-modes: a missing ingredient?
P2.114	H. Weisen	The neutron deficit in JET baseline H-modes and hybrid regimes
P2.115	P. Buratti	MHD in JET hybrid plasmas with the ITER Like Wall
P2.116	D. Frigione	Overview of hybrid development in JET with ITER-Like Wall
P2.117	D. Van Eester	Fundamental cyclotron 3He minority ICRF heating experiments in H plasmas in JET in presence of the ILW
P2.118	T. Wauters	Isotope exchange experiments on ITER-like wall in JET
P2.119	Y. Liang	ELM mitigation using n=2 magnetic perturbations on JET with an ITER-like wall and comparison with a C-wall
P2.120	L. Li	Modelling of plasma response to non-axisymmetric external magnetic perturbation fields on JET
P2.121	N. Wang	Measurement of plasma response to n=2 fields using saddle loops on JET
P2.122	N. Bonanomi	Impact of electron scale modes on electron heat transport in the JET tokamak
P2.123	E. Alessi	MHD analysis of Beta Collapses in AT JET discharges
P2.124	M. Nave	Measuring Intrinsic Rotation in the JET tokamak
P2.125	J. Ferreira	A stability study of alpha-particle driven Alfvén eigenmodes in JET D-T plasmas
P2.126	F. Nabais	Observation of chirping modes at frequencies above the Alfvén frequency in JET
P2.127	V. Plyusnin	Parameters and Stability of Runaway Electron Dominating Discharge in

JET with ITER-Like Wall		
P2.128	P. Drewelow	Measurement of radiation asymmetries during disruption mitigation at JET
P2.129	E. Alves	Plasma wall interaction patterns in JET ITER-Like Wall
P2.130	L. Frassinetti	Confinement and pedestal in dimensionless collisionality scans of low triangularity H-mode plasmas in JET-ILW
P2.131	E. Stefanikova	Confinement and pedestal structure in high performance scenarios in JET-ILW and comparison with JET-C
P2.132	R. Budny	Alpha heating in JET plasmas with sawteeth
P2.133	N. Vianello	Experimental characterisation of the M-mode in JET tokamak
P2.134	R. Dendy	ELM occurrence times in relation to the phase evolution of global measurements in JET
P2.135	A. Salmi	Particle source and edge transport studies in JET H-mode gas puff modulation experiments
P2.136	T. Tala	Dimensionless Collisionality Scans for Core Particle Transport in JET
P2.137	R. Aledda	A comparative multivariate analysis of disruption classes between JET and AUG
P2.138	M. Goniche	Edge plasma-lower hybrid wave interaction and current drive efficiency
P2.139	B. Tal	Study of scrape-off layer turbulence based on Lithium beam emission spectroscopy data
P2.140	L. Awasthi	Trapped energetic electrons driven lower hybrid turbulence in slab plasma of LVPD
P2.141	K. McClements	The effects of resonant magnetic perturbations on fast ion confinement in the Mega Amp Spherical Tokamak
P2.142	S. Zoletnik	Velocimetry analysis of the ELM cycle
P2.143	R. Perkins	Searching for Enhanced RF field amplitudes in the SOL using a simplified cold-plasma model
P2.144	J. Ruiz Ruiz	Electron density gradient stabilization of electron scale turbulence at NSTX
P2.145	F. Salzedas	Measurements of the natural plasma flow during the precursor of TCABR density limit disruptions
P2.146	G. Ronchi	Characterization of toroidal intrinsic rotation with MHD activity in the TCABR tokamak
P2.147	J. Moret	Tokamak equilibrium reconstruction code LIUQE: implementation, applications, developments
P2.148	F. Nespoli	Investigating the double scale length of limited plasmas with nonlinear simulations of the TCV Scrape Off Layer
P2.149	L. Porte	Millimeter wave Diagnostic Capability on TCV
P2.150	W. Vijvers	Advanced divertor research on the TCV tokamak
P2.151	T. Blanken	Model-based reconstruction and feedback control of the plasma particle density in tokamaks
P2.152	E. Nilsson	Runaway electrons in non-disruptive Tore Supra plasmas
P2.153	B. H. Park	Internal transport barrier in the KSTAR plasmas
P2.154	A. Ekedahl	Long pulse RF heating and current drive scenarios for WEST

P2.155	A. Frattolillo	Progress with the ENEA-ORNL high-speed four barrel pellet injector
P2.156	O. Asunta	Predictions of neutral beam current drive in DEMO using BBNBI and ASCOT within the European Transport Simulator
P2.157	P. Niskala	Gyrokinetic investigation of isotope effect on flow oscillations in ohmic tokamak discharges
P2.158	C. Roach	Microinstabilities in the Confinement Zone near the Tokamak Edge
P2.159	M. Schneider	Benchmarking Neutral Beam Injection codes within the European Integrated Modelling framework
P2.160	A. Gallo	Physics of scrape-off layer and divertor heat load spreading: simulations and experimental evidences.
P2.161	C. Norscini	Pedestal formation and turbulence self-organization at the separatrix between open and closed field lines
P2.162	D. Esteve	Neoclassical impurity transport in full-f global GYSELA simulations
P2.163	F. Eriksson	Kinetic theory of phase space plateaux
P2.164	V. Svoboda	Tokamak GOLEM for fusion education - chapter 6.
P2.165	M. Idouakass	Nonlinear simulations of the fishbone instability
P2.166	O. Agullo	Interaction of zonal flows with turbulence driven magnetic islands
P2.167	G. Fuhr	Study of plasma edge turbulence nature with Emedge3D code
P2.168	C. Castaldo	Influence of collisions on parametric instabilities produced by lower hybrid wave power
P2.169	D. Kalupin	Predictive simulations of reactor-scale plasmas fuelled with multiple pellets with the European Transport Simulator
P2.170	J. Garcia-Regana	Neoclassical transport in displaced tokamak helical cores
P2.171	M. Mantsinen	ICRH analysis of high-performance JET hybrid discharges using PION modelling and neutron spectrometry measurements
P2.172	S. Ghosh	A novel gridded retarding field energy analyzer for IEDF measurement
P2.173	S. Medvedev	High resolution equilibrium and stability calculations of pedestal and SOL plasma in tokamaks
P2.174	C. Guillemaut	Recent progress in detachment modelling of L-mode unseeded discharges with EDGE2D-EIRENE on JET-ITER-like Wall
P2.175	R. Singh	A closure for the poloidal couplings of geodesic acoustic mode
P2.176	L.A. Poggi	Experimental campaign to test the capability of STARDUST-Upgrade diagnostics to investigate LOVA and LOCA conditions
P2.177	T. Onjun	Study of Transport Barriers Formation Based on 2 Fields Bifurcation Concept
P2.178	K. Rosalem	Particle transport in non-uniform rotational flows
P2.179	M. Roberto	Plasma Response to Resonant Magnetic Perturbations
P2.180	R. Khayrutdinov	Development of tokamak plasma vertical control system with neutral point taking into account
P2.181	N. Bastykova	The Computation of Dust Particle Evolution in Divertor Plasma
P2.182	L. Barbato	Effect of 3D ferromagnetic materials on plasma nonlinear evolution in fusion devices

P2.183	A. Punjabi	Design Options for Stellarator Divertors
P2.184	H. Ali	Magnetic Shear and Stability of Golden Magnetic Barrier in Divertor Tokamak
P2.185	H. Velasco	Statistical properties of poloidal transport in zonal flows with finite Larmor radius effects
P2.186	J. Ball	Scaling of intrinsic momentum transport with flux surface shaping effect
P2.187	I. Caldas	Peculiar Transport Barriers Onset in Large Aspect Ratio Tokamaks
P2.188	H. Zhu	A quantitative model for heat pulse propagation in Large Helical Device plasmas using a traveling wave transformation
P2.189	R. Dendy	Scaling of the measured intensity of ion cyclotron emission with the concentration of energetic ions in large tokamak plasmas
P2.190	S. Henneberg	Interaction of explosive multiple filaments in magnetised plasmas
P2.191	B. Shanahan	Modelling of magnetic nulls using non-aligned coordinate systems in BOUT++
P2.192	A. Bokshi	Response of toroidal drift modes to profile evolution: a small-ELM model
P2.201	I. Földes	The effect of clusters on the generation of high harmonics
P2.202	R. Fonseca	Electromagnetic particle-in-cell (EM-PIC) codes for exascale architectures
P2.203	T. Gangolf	Amplification of short laser pulses by Stimulated Brillouin Backscattering
P2.204	H. Ghotra	Magnetic field assisted electron acceleration by chirped laser pulse in plasma
P2.205	J. Gil	Stopping power calculations of protons in partially ionized plasmas on the basis of a self-consistent detailed-atom model in plasmas
P2.206	I. Glazyrin	The estimation of the increase in number of accelerated electrons at using solid target irradiated by laser impulse of 10^{19} - 10^{20} W/cm ² intensities
P2.207	F. Gobet	Nuclear excitations in plasma: the case of 201Hg
P2.208	O. Grulke	A high-density helicon discharge for the advanced plasma accelerators AWAKE
P2.209	D. Gwynne	DNA repair dynamics following laser-ion irradiation at ultra-high dose rates
P2.210	C. Huang	Plasma dynamics in self-generated electric and magnetic fields in relativistic transparency regime
P2.211	M. Issanova	Dynamical properties of dense plasma in inertial confinement fusion
P2.213	A. Karpeev	Modeling of heavy ions generation from pre-pulse heated solid targets irradiated by ultra-short laser pulses of relativistic intensity
P2.214	B. Kettle	Collisional absorption of XUV photons in warm dense aluminium
P2.215	C. Koschitzki	Probing laser wakefield acceleration in angular chirped regime
P2.216	K.F. Kakolee	Proton beam steering from ultra-thin foils irradiated by intense laser pulses
P2.217	A. Krygier	Selective deuterium ion acceleration using the vulcan PW laser
P2.218	Z. Lécz	Shock wave acceleration using expanded solid targets in the regime of ultrashort pulses
P2.219	B. Lee	Laser-fuel target interaction for the shock ignition
P2.220	G. Lehmann	Control of Brillouin short-pulse amplification by chirping the pump pulse

P2.221	M. Levy	Petawatt Laser Absorption Bounded
P2.222	G. Manahan	Towards first realization of trojan horse underdense photocathode plasma wakefield acceleration
P2.223	S. Marini	A fully kinetic model for the electron flow in a crossed field device
P2.224	J. Marques	Laboratory and numerical investigation of high-power laser propagation in magnetized plasmas of interest for ICF physics
P2.225	G. Maynard	Modelling of Laser-Plasma electron acceleration and X-ray radiation inside a capillary tube
P2.301	M. Bae	Electric probe measurements of helical plasma with multiple ions
P2.302	J. Chen	The calibration of the sensitivity to DD neutron for indium activation diagnostic
P2.303	P. David	Visible spectrum tomography of rotating coherent modes in a linear magnetized plasma
P2.304	H. Kawazoe	Spectroscopic diagnostics of weakly-ionized argon surface wave plasma based on CR model
P2.307	V. Schneider	Progress in the development of an optical trapping system for particle manipulation as a plasma diagnostics method.
P2.308	P. Bilek	Multiresolution and fast multipole methods for streamer simulations
P2.309	A. Boudghene Stambouli	PIC-MCC simulation of the influence of blocking capacitor on the DF-CCP discharge
P2.310	H. Choe	A three dimensional simulation of inductively coupled plasma sources for TFT fabrications
P2.311	J. Hromadka	Fluid modelling of plasma at low pressures
P2.312	C. Pintassilgo	Role of the reduced electric field and electron density on gas heating mechanisms in air plasmas
P2.313	I. Rafatov	Numerical analysis of formation of hexagonal and band structures in the gas discharge - semiconductor system
P2.314	N. Shumilin	Simple model of the discharge for Hall thrusters
P2.315	A. Shumilin	The influence of anode temperature on the length of the anode plasma in a gas discharge under conditions of strong ionization depletion of neutral particles
P2.401	M. King	2D Simulations and experiments on streaming instabilities in a Penning discharge
P2.402	E. Stenson	Toward realization of electron-positron plasmas in the lab: Project overview, positron beam experiments, and linear traps
P2.403	M. Stoneking	Toward realization of electron-positron plasma in the lab: initial results on the injection of an intense positron beam into a dipole magnetic field
P2.404	I. Timofeev	Lower hybrid resonance in a plasma with hot electrons
P2.405	J. Vranjes	New features of nonlinear compressive magnetoacoustic waves
P2.406	L. Yu	Study of ion heating by low-frequency Alfvén waves
P2.407	J. Yuesong	Experimental research progress on Yingguang -I device
P2.408	J. Zhu	Arbitrary-amplitude helical wave superposition and plasma turbulence
P2.409	A. Bret	Collisionless Weibel shocks in pair plasmas: Full formation mechanism

and timing

P2.410	A. Grassi	Study of the Weibel instability in magnetized plasma.
P2.411	D. Higginson	Acceleration of Protons in Laser-Driven, Magnetized, Collision-less Flows
P2.412	N. Kaur	Amplitude modulation of ion-acoustic waves in a superthermal plasma in the presence of ion-beam