

EPS 2019

Friday, 12 July 2019

Poster P5 - Building U6 (14:00 - 16:00)

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[3642] P5.1102 Density profiles in low collisionality FTU plasmas	MAZZOTTA, C.	
[3551] P5.1011 L-mode plasmas analyses in view of realistic ramp-up predictions for JT-60SA and ITER	MORALES, J.	
[3554] P5.1014 Beam-plasma system as reduced model for energetic particle ITER relevant transport	CARLEVARO, N.	
[3555] P5.1015 Structure generation of the edge radial current during the L-H transition on JT-60U	KAMIYA, K.	
[3543] P5.1002 Modelling multi-modal Resistive Wall Mode feedback control in JT-60SA perspective high beta scenarios	PIGATTO, L.	
[3560] P5.1020 Analysis of W transport in ASDEX Upgrade during various pedestal activities	JAULMES, F.	
[3651] P5.2006 Kinetic effects in high-energy-density plasmas	KAGAN, G.	
[3561] P5.1021 Investigation of pedestal stability in edge plasma region of the COMPASS tokamak	SOS, M.	
[3581] P5.1041 Analysis of inter-ELM bursts in the JET scrape-off layer	TAL, B.	
[3565] P5.1025 Effects of dust on plasma discharges during tokamaks start-up phase	DE ANGELI, M.	
[3568] P5.1028 Research on beam emission spectroscopy combined HL-2A tokamak real experimental data with spectra simulation code	WU, J.	
[3575] P5.1035 Comparison of H-mode pedestal characteristics in SAS and open divertor configurations on DIII-D	OSBORNE, T.H.	
[3580] P5.1040 Observations of 3D magnetic perturbation effects on divertor heat flux distribution induced by LHW using the infrared camera on EAST	SHU, S.	
[3578] P5.1038 Simulation of nonresonant stellarator divertor	PUNJABI, A.	
[3623] P5.1083 The role of the edge barrier in the penetration of impurities in the JET ELMy H-mode plasmas	VALISA, M.	
[3594] P5.1054 Investigation of the toroidal propagation of lithium injected by laser blow-off into TJ-II plasmas to measure edge ion temperature	LÓPEZ-MIRANDA, B.	
[3609] P5.1069 Inner versus outer ExB shear layer: an attempt to radially localize the L-H transition	CAVEDON, M.	
[3590] P5.1050 Estimation of the Kubo number at the edge and SOL region of KSTAR	LEE, W.	
[3650] P5.2005 Equilibration of electron-hole plasma during the formation of warm dense matter	CHO, B.	
[3655] P5.2010 Modelling of the non-local transport of energy in laser plasmas with high-order numerical methods	NIKL, J.	

[3656] P5.1009 The effect of parallel magnetic field fluctuations on pressure driven MHD instabilities in toroidal plasmas	GRAVES, J.P.	
[3662] P5.2017 Validation of radiation-hydrodynamic code DUED using high-precision OMEGA and NIF experiments on exploding pusher implosions	ATZENI, S.	
[3695] P5.4008 Ion temperature effects on the coexistence regions of positive and negative solitons in a negative ion plasma with superthermal electrons	MUSHINZIMANA, X.	
[3689] P5.4002 Studying the photoemissive sheath using an EM-PIC code	CHANGMAI, S.	
[3686] P5.3018 Voids in plasmas containing interacting variable charge dust grains	EL AMINE, N.	
[3680] P5.3011 Time dependent kinetic flux limiters during ELMs in ITER Scrape-Off-Layer	VASILESKA, I.	
[3676] P5.3007 The Development of Test-Device based on Surface Discharge for Imitation of Erosion Monitoring Process in the Fusion Reactors	IVCHENKO, A.V.	
[3549] P5.1008 Toroidal field ripple-induced NBI energetic particle losses in JT-60SA	VALLAR, M.	
[3685] P5.3016 Visualization of dissociative recombination of positive ions in surface dielectric barrier discharge	PARK, I.	
[3622] P5.1082 First results of the particle and heat flux transport study in the spherical tokamak Globus-M2	TELNOVA, A.	
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[3545] P5.1004 Effects of control voltage saturation and sensor noise on the RWM feedback in ITER	WANG, S.	
[3547] P5.1006 Design of the Massive Gas Injection system for JT-60SA	DIBON, M.	
[3546] P5.1005 Aspect on equilibrium calculation of ITER configuration in Tokamaks	XU, T.	
[3648] P5.2003 New Prism EOS and opacity tables with NLTE atomic kinetics	GOLOVKIN, I.E.	
[3625] P5.1085 Tungsten core transport in 30s WEST L-mode plasma with RF heating	YANG, X.	
[3627] P5.1087 Impact of 3D magnetic perturbations on turbulent transport in tokamak limited plasmas	LUCE, B.	
[3628] P5.1088 Integrated modelling of tokamak plasma confinement	LUDA DI CORTEMIGLIA, T.	
[3633] P5.1093 Role of electrostatic fluctuations in the loss of runaway electrons in ADITYA-U tokamak	RAJ, H.	
[3632] P5.1092 Plasma edge current fluctuation measurements during the ELM cycle with the atomic beam probe at COMPASS	RÉFY, D.	
[3637] P5.1097 Density turbulence modification by gradient control in W7-X	VON STECHOW, A.	
[3638] P5.1098 Effects of magnetic island on ExB shear flow structure and plasma self-driven current in tokamaks	WANG, W.	
[3643] P5.1103 Cylindrical vs toroidal Single Helical states in the low aspect- ratio RELAX device	PACCAGNELLA, R.	
[3630] P5.1090 Studies of poloidal rotation of plasma density turbulence with HIBP in the T-10 tokamak	MELNIKOV, A.V.	
[3646] P5.2001 Energy deposition and ion stopping in inertial confinement fusion plasmas	ISSANOVA, M.	

[3639] P5.1099 From Lawson to burning plasmas: a multi-fluid analysis	GUAZZOTTO, L.	
[3652] P5.2007 SPECT3D Imaging and Spectral Analysis Package	KULKARNI, S.	
[3663] P5.2018 A new MJ-class pulsed-power facility for HEDP experiments	BURDIAC, G.C.	
[3661] P5.2016 Experimental research of the plasma behavior in the key regions of ICF Hohlraum in SG-series laser facilities	LI, Z.	
[3702] P5.4015 Scattering of lower hybrid radio frequency waves by cylindrical turbulent structures in the plasma edge in tokamaks	VALVIS, S.	
[3697] P5.4010 Ion versus electron heating in the nonlinear phase of the collisionless MRI	INCHINGOLO, G.	
[3666] P5.2021 Genetic algorithm controlled 2D laser wakefield acceleration simulations	MALACA, B.F.	
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[3674] P5.3005 Surface plastic of micro-scale tungsten powder for additive manufacturing by thermal plasmas processing	CHEN, L.	
[3677] P5.3008 The spectrum correction filter for Deuterium-Halogen Light by Reactive Electron Beam Evaporation with Ion-Assisted Deposition	CHEN, H.	
[3679] P5.3010 Theoretical and experimental study of THz discharge threshold in various gases.	VESELOV, A.	
[3682] P5.3013 Towards a universal collision-free sheath solution with warm ions	KUHN, S.	
[3681] P5.3012 Tomographic reconstruction of the visible emission of NIO1 negative ion beam	UGOLETTI, M.	
[3690] P5.4003 Stimulated Raman scattering of the multi-Gaussian beam in a relativistic plasma	DWIVEDI, M.	
[3693] P5.4006 Teaching plasma physics with the open-source PIC code SMILEI	VINCI, T.	
[3692] P5.4005 The role of dielectric function local field corrections in the plasma transport properties description in the linear response theory	KARAKHTANOV, V.	
[3645] P5.1105 Design of neutron and gamma ray measurements for the start-up phase of the DTT tokamak	ANGELONE, M.	
[3550] P5.1010 ITER 15 MA DT scenarios with maximum expansion of poloidal magnetic flux on divertor target plates	LUKASH, V.	
[3586] P5.1046 Experimental investigations of MARFE and detached plasma on J-TEXT tokamak	ZHUANG, G.	
[3587] P5.1047 Finite beta effects on the island bundle diverter of CFQS	OKAMURA, S.	
[3584] P5.1044 Link between stability of edge plasma and two-layer convection	WILCZYNSKI, F.	
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[3588] P5.1048 Field line escape pattern in a poloidally diverted tokamaks	ROBERTO, M.	
[3589] P5.1049 Effect of plasma parameters on molecular penetration in fusion plasma during SMBI	AVDEEVA, G.	
[3553] P5.1013 Effect of shaping on turbulent transport in JT-60SA	BEEKE, O.	
[3592] P5.1052 The influence of edge sheared radial electric fields on edge-SOL coupling in the TJ-II stellarator	GRENFELL, G.G.	
[3591] P5.1051 Cold background plasma characterization during Runaway Electron mitigation experiments in the JET tokamak	SRIDHAR, S.	

[3596] P5.1056 The injection of cryogenic pellet series in the stellarator TJ-II	MCCARTHY, K.J.	
[3556] P5.1016 Guiding centre simulation of neoclassical impurity transport in the pedestal region	BERGMANN, A.	
[3557] P5.1017 Electron temperature fluctuation measurements of pedestal fluctuations in I-mode at ASDEX Upgrade and Alcator C-Mod	BIELAJEW, R.	
[3558] P5.1018 Impact of an inward particle flux inducing the coherent fluctuation on pedestal dynamics in toroidal plasmas	CHENG, J.	
[3598] P5.1058 ECCD-driven temperature crashes at W7-X stellarator	ZANINI, M.	
[3559] P5.1019 The effect of pacing pellets on ELMs W impurity behaviour and pedestal characteristics in high-power JET-ILW H-mode plasmas	FIELD, A.R.	
[3602] P5.1062 Propagation of turbulent filaments in the SOL of Wendelstein 7-X	KILLER, C.	
[3605] P5.1065 Studies on carbon content and transport with Charge Exchange Spectroscopy on W7-X	VANÓ, L.	
[3562] P5.1022 Pedestal instabilities in between ELMs at ASDEX Upgrade	VANOVAC, B.	
[3608] P5.1068 Study of runaway electron transport with the fractional diffusion model and comparison with experiments on COMPASS	CASOLARI, A.	
[3612] P5.1072 Short wavelength ion temperature gradient mode in tokamak plasmas with hollow density profile	DU, H.	
[3563] P5.1023 Observations of pedestal impurity transport with 3D fields in ITER-baseline-shape DIII-D plasmas	VICTOR, B.S.	
[3566] P5.1026 ELM suppression and recycling reduction by BN & B injection in KSTAR	GILSON, E.	
[3614] P5.1074 JET 1D tokamak plasma profile database construction for training neural network surrogate transport models	HO, A.	
[3567] P5.1027 The impact of modeling the separatrix in 3D slab edge simulations	GRACIAS, W.	
[3569] P5.1029 Three-dimensional plasma edge transport and divertor flux modeling for the application of resonant magnetic perturbations in EAST	JIA, M.	
[3570] P5.1030 0D model of vapour shielding and its application for liquid material targets	MARENKOV, E.	
[3571] P5.1031 Study of the two null nearby divertor magnetic configuration at EAST	MEINERI, C.	
[3572] P5.1032 Predicting Scrape-Off Layer profiles and filamentary transport for reactor relevant devices	MILITELLO, F.	
[3573] P5.1033 Characterization of the scrape-off layer and pedestal conditions at JET using density profile measurements by reflectometry	NINA, D.	
[3619] P5.1079 A mechanism of neoclassical tearing modes onset by drift wave turbulence	CAI, H.	
[3574] P5.1034 Non-linear hybrid kinetic-MHD simulations of ELMs in the ASDEX Upgrade tokamak	DOMINGUEZ-PALACIOS, J.	
[3576] P5.1036 Systems Studies of Double Null Divertor Models	PEARCE, A.	
[3542] P5.1001 Overview Progress and Plans for the Compact Toroidal Hybrid Experiment	MAURER, D.	
[3577] P5.1037 Initial studies of liquid lithium divertor operation in T-15	PSHENOV, A.A.	
[3544] P5.1003 ITER disruption simulations with realistic plasma and conductors modelling	ISERNIA, N.	

[3548] P5.1007 The New Compact Torus Injection System on KTX device	CHEN, C.	
[3704] P5.4017 Propagation of Alfvén Waves in a Two Ion Species Plasma	ROBERTSON, J.	
[3673] P5.3004 Suppression of the ion drag force in strongly magnetised plasmas	JAMES, L.T.	
[3672] P5.3003 Study of particle flow generated by 70-kV 30-ns vacuum surface flashover	PUNANOV, I.F.	
[3703] P5.4016 Study of quasi-static equilibrium fluctuation and confinement in a currentless toroidal device using two different plasma sources in the presence of plasma flow	KUMAR, U.	
[3701] P5.4014 Onset of wave turbulence in dust acoustic waves	CHEN, W.	
[3700] P5.4013 Spatiotemporal wave dynamics in the transition to defect-mediated dust acoustic turbulence wave	TSAI, J.	
[3698] P5.4011 On frequency of ion cyclotron radiation in connection with its observability	STRAUB, C.R.	
[3696] P5.4009 Nonlinear oscillations in a protoplanetary disk	KHUSROO, M.	
[3694] P5.4007 Ion Acoustic Supersolitons in a Plasma Consisting of Nonthermally Distributed Electrons and Positrons	PAUL, A.	
[3691] P5.4004 To control the angular momentum of trapped electrons in tapered foam target	PUNIA, S.	
[3620] P5.1080 Toroidal rotation prediction of ITB H-mode JET plasmas using CRONOS code	PROMPING, J.	
[3688] P5.4001 Transformation and radiation processes in turbulent plasma in the presence of convective cells	PANCHENKO, V.G.	
[3687] P5.3019 Waves and instabilities in dusty plasmas at Phobos and Deimos	MOROZOVA, T.I.	
[3670] P5.3001 Studies on the plasma parameters and electron heating mechanism in RF biased inductive discharges	LEE, H.	
[3684] P5.3015 Vibrational excitation of the electronic ground state of H ₂ via electron-impact excitation and radiative decay	FURSA, D.	
[3683] P5.3014 Transport properties and phase separation in binary dusty plasmas under microgravity	SCHÜTT, S.	
[3678] P5.3009 The thermodynamic and transport properties of metals in warm dense matter regime	SHUMIKHIN, A.	
[3675] P5.3006 Temperature regimes of plasma sputtering cell for deactivation of nuclear power plants constructions	PETROVSKAYA, A.	
[3668] P5.2023 The ZPIC educational code suite	CALADO, R.	
[3667] P5.2022 OSIRIS 4.0: A state of the art framework for kinetic plasma simulations	FONSECA, R.A.	
[3665] P5.2020 Parametric tolerance study of trojan horse plasma wakefield acceleration scheme	ALTUIJRI, R.A.	
[3664] P5.2019 A study of beam hosing in different regimes	MOREIRA, M.	
[3660] P5.2015 VISRAD 3-D target design and radiation simulation code	GOLOVKINA, V.N.	
[3659] P5.2014 Prospects for Magnetic Indirect Drive Inertial Confinement Fusion	BATHA, S.H.	
[3657] P5.2012 Using the Bayes Inference Engine to study the deceleration-phase of Rayleigh-Taylor growth rates in laser-driven cylindrical implosions	FIEDLER KAWAGUCHI, C.	

[3654] P5.2009 Hydrodynamic simulations of laser/plasma interactions via ALE methods	KUCHARIK, M.	
[3649] P5.2004 Dynamical structure factor of non-ideal ions in dense quantum plasmas	MOLDABEKOV, Z.	
[3647] P5.2002 Interaction of plasma flows and magnetic field with the formation of shock waves in nested arrays	BRANITSKIY, A.V.	
[3641] P5.1101 Numerical study of linear dynamics of a confined plasma by a spherical tokamak	LÌ_PEZ, J.E.	
[3640] P5.1100 Three-dimensional geometric integrator for charged particle orbits in toroidal fusion devices	EDER, M.	
[3624] P5.1084 Comparison of the ion heat transport properties of ASDEX Upgrade H-mode plasmas with theory-based transport models	TARDINI, G.	
[3626] P5.1086 Heat Transport Analysis for the High-beta Discharge on EAST	ZHANG, X.	
[3621] P5.1081 Revisiting H D T studies of L-H transition in JET	SOLANO, E.R.	
[3636] P5.1096 Simulation of turbulent plasma toroidal rotation evolution with ECR heating switch-on in tokamak	SMIRNOV, D.	
[3634] P5.1094 Particle-In-Cell simulation of parallel blob dynamics in the near scrape-off-layer plasma of a generic medium-size tokamak with divertors	SCHRITTWIESER, R.W.	
[3635] P5.1095 Sonic-flow gyrokinetic simulations with a unified treatment of all length scales	SHARMA, A.Y.	
[3629] P5.1089 Simulations of blob dynamics in the edge of tokamak T-15	LYASHENKO, A.	
[3618] P5.1078 The comparison of ion and electron anomalous heat conductivities in T-10 plasma	NURGALIEV, M.	
[3617] P5.1077 Preliminary research on the reversal transport barrier in HL-2A H-mode discharges	LAN, T.	
[3616] P5.1076 Linear stability of the inner core of JET plasmas using gyrokinetic simulations	KUMAR, N.	
[3615] P5.1075 Investigation of strong isotope effect in energy confinement for high density FT-2 tokamak discharges	KOUPRIENKO, D.	
[3613] P5.1073 Impurity transport driven by parallel velocity shear turbulence in hydrogen isotope plasmas	GUO, W.	
[3611] P5.1071 Neoclassical simulations of tungsten impurities in JET plasmas using the total-f gyrokinetic code XGCa	DOMINSKI, J.	
[3606] P5.1066 A heuristic Dimits shift prediction using reduced tertiary instability analysis	HALLENBERT, A.	
[3604] P5.1064 Shrinking of resonant manifold under flow shear at the stellarator TJ-K	ULLMANN, T.	
[3603] P5.1063 Diffusion Dominated Transport for a Wide Range of Different Impurity Species Observed at Wendelstein 7-X	LANGENBERG, A.	
[3601] P5.1061 Edge radial profile measurement of magnetic fluctuations using 3D pick up coils and a differential coil on W7-X	HUANG, Z.	
[3600] P5.1060 Slow modulation of SOL turbulence on W7X as measured by A-BES diagnostics	BUZÁS, A.	
[3599] P5.1059 Turbulent fluctuations in the edge of the W7-X as measured by the alkali beam emission spectroscopy	BENCZE, A.	

[3597] P5.1057 Neutral beam injection on Wendelstein 7-X: beam transmission shine through and effect of plasma current	RUST, N.	
[3595] P5.1055 Generation of suprathreshold ions in ECR heated plasmas in the stellarator TJ-II	FONTDECABA, J.	
[3593] P5.1053 Measurement of edge ion temperature in W7-X with island divertor by retarding field analyzer	LI, Y.	
[3585] P5.1045 Simulation of the radiative control and QSF configuration on EAST by the SOLEDGE2D-EIRENE code	WU, K.	
[3583] P5.1043 Drift effects in SOLPS-ITER simulations for the TCV divertor upgrade	WENSING, M.	
[3582] P5.1042 Lithium influence on edge plasma parameters at T-11M tokamak	VASINA, I.	
[3579] P5.1039 Study of nitrogen seeded plasma in JET in preparation of JT60SA	RUBINO, G.	
[3718] P5.3020 LIBS in a low temperature plasma for the detection of airborne asbestos	DUÉE, C.	