

EPS 2018 Programme

Friday, July 6, 2018

POSTER SESSION (2:00 PM - 4:00 PM)

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[6097] P5.1075 Fast isotope mixing in Ion Temperature Gradient driven turbulence	CITRIN, Jonathan	
[6053] P5.1029 Enhancement of Helium Exhaust During Application of Resonant Magnetic Perturbation Fields at DIII-D	HINSON, Edward Thomas	
[6052] P5.1028 Role of the radiation opacity in divertor plasma detachment	PSHENOV, Andrey Alekseevich	
[6075] P5.1051 Fast wave experiments at LAPD in support of fusion	VAN COMPERNOLLE, Bart	
[6074] P5.1050 Integrated modelling of ITER scenarios with D-T Mix control	POLEVOI, Alexei R.	
[6073] P5.1049 High field side LHCD in DIII-D: physics demonstration of reactor relevant current drive	WALLACE, Gregory	
[6071] P5.1047 Application of three-ion species ICRH scenarios for ITER operation	KAZAKOV, Yevgen	
[6081] P5.1057 Study on Optimal Configuration of a Tokamak Fusion System with Coupled Analysis of Tokamak Plasma and a Radiation Transport	HONG, B. G.	
[6178] P5.4008 Impedance characteristics of a magnetized 13.56 MHz capacitive discharge	JOSHI, Jay Kirtikumar	
[6093] P5.1070 Influence of the collisionality and the safety factor on the transport in the Globus-M spherical tokamak	TELNOVA, Anna	
[6092] P5.1069 Filament statistics with imaging techniques and comparison with langmuir probes	FARLEY, Tom	
[6095] P5.1072 Study of the transport coefficient dependence on the heating power in self-organized plasma in the T-10 tokamak	KASYANOVA, Nadezhda	
[6094] P5.1071 Lagrangian Coherent Structures in magnetized plasmas: Particle transport in a time dependent magnetic configuration	GRASSO, Daniela	
[6096] P5.1074 Gyrokinetic theory of toroidal Alfvén eigenmode nonlinear saturation via ion Compton scattering	QIU, Zhiyong	
[6119] P5.1100 Properties of ion temperature gradient mode in tokamak plasmas with inverted density profiles	DU, Huarong	
[6077] P5.1053 Effects of pellets and impurity injection on runaway control experiments on FTU	ROMANO, Afra	
[6079] P5.1055 Integrated software environment for numerical modeling of experiments on tokamaks	SYCHUGOV, D. Yu.	
[6078] P5.1054 Vertical stability margin studies on TCV: experiments and modelling	LOSCHIAVO, Vincenzo Paolo	
[6117] P5.1098 Zonal flow - drift wave interactions in 2D 2-fluid ITG	IVANOV, Plamen	
[6111] P5.1090 BSTING: modifying the BOUT++ framework for fluid simulations of turbulence in non-axisymmetric geometries	SHANAHAN, Brendan	

[6150] P5.2028 Multi-keV X-ray source generation at the Shenguang-III prototype	XIONG, Gang	
[6109] P5.1088 Heat and particle transport simulation in COMPASS and T-10 with Canonical Profile Transport Model	DANILOV, Alexander	
[6031] P5.1006 A new diagnostic on HL-2A tokamak	YU, Yi	
[6098] P5.1077 Quasi-continuous low frequency edge fluctuations in the W7-X stellarator	WURDEN, Glen Anthony	
[6108] P5.1087 Quantitative study of kinetic ballooning mode theory in magnetically confined toroidal plasmas	ALEYNIKOVA, Ksenia	
[6152] P5.2030 New routes to high-energy photon generation in laser-matter interactions	MARKLUND, Mattias	
[6107] P5.1086 Determining the electron transport mechanisms from direct heat flux reconstructions	VAN BERKEL, Matthijs	
[6039] P5.1015 Speed-up of SOLPS-ITER code for tokamak edge modeling	KAVEEVA, Elizaveta	
[6038] P5.1014 Neutral sampling vs. particle-identity conservation in a coupled fluid-kinetic Monte-Carlo code environment	RACK, Michael	
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[6033] P5.1008 Development of webcam-based near-infrared thermography in support of high temperature heat pipe experiments on Magnum PSI	SILBURN, Scott Alan	
[6032] P5.1007 A new diagnostic on EAST tokamak	YE, Mingyou	
[6030] P5.1005 Simulation and experimental test research on hydrogen/deuterium-α visible spectra diagnosis based on hL-2A tokamak	WU, Jing	
[6037] P5.1013 On the effects of kinetic minority ions on transport in Wendelstein 7-X	SCHLUCK, Friedrich	
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[6035] P5.1011 Effects of misaligning the probe beam and magnetic field in Doppler backscattering measurements	CHEN, Valerian Hongjie	
[6104] P5.1083 Inter-ELM power losses and their dependence on pedestal parameters in JET-C and JET-ILW H-mode plasmas.	FIELD, Anthony Robert	
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[6103] P5.1082 Turbulent fluctuations of plasma injected in open magnetic trap from independent UHF source	NANOBASHVILI, Sulkhan	
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[6102] P5.1081 Parallel SOL transport regime in tokamak COMPASS	JIRAKOVA, Katerina	
[6158] P5.2039 Timepix chip interface detectors for x-rays, gammas and electrons monitor on laser produced plasmas	CLAPS, Gerardo	
[6099] P5.1078 Experimental separation of core transport and edge pedestal isotope dependencies by variation of the plasma shape	SCHNEIDER, Philip A.	
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[6143] P5.2020 Attosecond pulse from laser-irradiated near-critical-density plasmas	ZHANG, Xue Yu	
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[6141] P5.2018 Launching electromagnetic cascades in high-intensity laser fields	BLACKBURN, Thomas George	
[6140] P5.2017 Characterisation of laser-driven positron beams for injection in secondary stages	ALEJO, Aaron	
[6145] P5.2023 Gamma ray emission from wakefield accelerated electrons wiggling in laser field	CHEN, Liming	
[6144] P5.2021 Using laser-driven magnetized hohlraum to make a high temperature symmetrical clean X-ray radiation source	LI, Hang	
[6149] P5.2027 Laser-plasma based hadron sources for materials science applications	FEDELI, Luca	
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[6041] P5.1017 Advanced homogenization techniques in a tokamak plasma medium with ellipsoidal blobs: Mathematical treatment	BAIRAKTARIS, Fotis	
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[6047] P5.1023 Particles simulations of RMP fields effects in the COMPASS tokamak	JAULMES, Fabien	
[6044] P5.1020 Dynamics of detachment in TCV with N2 seeding and flux expansion	FÉVRIER, Olivier	
[6045] P5.1021 Understanding tungsten divertor sourcing, SOL transport, and its impact on core impurity accumulation in DIII-D high performance discharges	THOMAS, Dan M.	
[6048] P5.1024 Ground state population of sputtered tungsten atoms by peak emission analysis in PSI-2 argon plasmas	ERTMER, Stephan	
[6049] P5.1025 Type-I ELM energy density measurements in the COMPASS divertor using a new system of probes	ADAMEK, Jiri	
[6112] P5.1091 Strong safety-factor (q) profile dependence of the linear electromagnetic stabilizing effect and its role in the internal transport barrier formation	KIM, Jinyong	
[6113] P5.1092 Enhancement of zonal flow drive through equilibrium shear flows	ULLMANN, Til	
[6148] P5.2026 Laser muon sources: concepts and challenges	DRSKA, Ladislav	
[6139] P5.2016 Transition to self-focusing regime in a spatially modulated electrostatic field particle accelerator	PETER, Eduardo Alcides	
[6130] P5.2007 Numerical studies of beam smoothing methods and its influence on filamentation instability	LI, Bin	
[6131] P5.2008 Temporal characteristics of hot electron generation inside kJ-laser irradiated Cu foils	RENNER, Oldrich	
[6101] P5.1080 Dissipative trapped-electron modes in Wendelstein 7-X and other configurations	PROLL, Josefine Henriette Elise	
[6133] P5.2010 Ultra-intense laser interaction with nanostructured near-critical plasmas	FORMENTI, Arianna	
[6135] P5.2012 Development of gas cluster ion beam source for SIMS analysis	LEE, Sang Ju	
[6114] P5.1093 Plasma rotation and low-Z impurity transport across sawteeth in TCV	DUVAL, Basil	

[6126] P5.2002 Recent advances in the modeling of stimulated Raman scattering	BÉNISTI, Didier	
[6115] P5.1094 Edge instabilities across the L-H transition and in H-mode of ASDEX Upgrade	GIL, Luís	
[6121] P5.1102 On the mechanism of the plasma fuelling in JET experiment with external gas puff	BARANOV, Yu. F.	
[6116] P5.1096 Theory-based scaling of energy confinement time for future reactor design	PARK, J. M.	
[6120] P5.1101 Studies of role of inter-ELM pedestal instabilities on pedestal structure and ELM onset in DIII-D	DIALLO, Ahmed	
[6110] P5.1089 Collisionless damping of geodesic acoustic modes with a finite inverse aspect ratio	SEOL, JaeChun	
[6129] P5.2006 Efficient ps. Laser Ion Acceleration toward High Neutron Yield	K.MIMA	
[6137] P5.2014 High-intensity laser-plasma interaction	MARINI, Samuel	
[6151] P5.2029 MV/cm longitudinal terahertz fields from relativistic laser-overdense plasma interactions	WOLDEGEORGIS, Abel Hailu	
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[6153] P5.2031 Simulations of bremsstrahlung emission in interactions of ultra-intense laser pulse with foil target	VYSKOCIL, Jiri	
[6134] P5.2011 Numerical investigations on fusion ignition process in plasma formed by the interaction of energetic and high current ion beams	MOUSTAIZIS, Stavros	
[6179] P5.4009 New class of neutral current sheets with a sheared magnetic field in collisionless plasma	NECHAEV, Anton	
[6177] P5.4007 Derivation and application of the magnetized Fokker-Planck and Balescu-Lenard-Guernsey collision terms	LI, Ding	
[6057] P5.1033 Tearing mode seeding by externally provided resonant magnetic perturbations in the presence of Neoclassical Toroidal Viscosity	MESHCHERIAKOV, Dmytro	
[6154] P5.2034 X-ray and ion emission studies from low density gold targets	KAUR, Channprit	
[6090] P5.1067 Resonance overlap and non-linear velocity spread in Hamiltonian beam-plasma systems	CARLEVARO, Nakia	
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[6172] P5.4002 Investigating guide field reconnection in HED plasmas	BOLAÑOS, Simon	
[6173] P5.4003 Interacting Multiscale Defects in Dust Acoustic Wave Turbulence	LIN, Po-Cheng	
[6170] P5.3012 Benchmark cross sections for excitation of the $X1\Sigma^+ \rightarrow b3\Sigma^+$ transition in molecular hydrogen	FURSA, Dmitry	
[6171] P5.4001 Dispersion relations for the symmetric and anti-symmetric Hasegawa surface waves in a plasma slab containing collisional electrons	LEE, Myoung-Jae	
[6176] P5.4006 Laboratory Laser-Plasma Collisionless Shocks	HODGE, Tom	
[6056] P5.1032 Kink Mode Study in EAST High β_P Plasma	XU, Liqing	
[6059] P5.1035 Influence of energetic ions on magnetic island	CAI, Huishan	

[6058] P5.1034 Island bundle diverter configuration for quasi-axisymmetric stellarator	OKAMURA, Shoichi	
[6159] P5.3001 Simple description of collective modes in strongly coupled plasma fluids	KHRAPAK, Sergey A.	
[6055] P5.1031 Geodesic Acoustic Mode Driven by Energetic Particles with bump-on-tail distribution	REN, Haijun	
[6054] P5.1030 L-mode heat flux scaling at tokamaks JET, EAST and COMPASS at vertical and horizontal divertors	HORACEK, Jan	
[6051] P5.1027 Edge plasma conditioning comparison between He/H discharges on W7-X	WANG, Erhui	
[6160] P5.3002 Dense plasma jets used in dusty plasma experiments	SCURTU, Adrian	
[6076] P5.1052 Full-wave simulation of mode-converted electron Bernstein waves at very low magnetic field in the SCR-1 Stellarator	SOLANO PIEDRA, Ricardo	
[6072] P5.1048 First LHCD experiments in WEST	EKEDAH, Annika Charlotte	
[6070] P5.1046 Non-inductive current start-up and ramp-up by X-wave ECCD in fusion tokamaks	MAEKAWA, Takashi	
[6161] P5.3003 The equation of state and transport properties of metal vapors in supercritical fluid regime	SHUMIKHIN, Aleksey	
[6127] P5.2003 Cross-beam energy transfer (CBET) in ICF: the effect of laser speckles in presence of ponderomotive self-focusing	HÜLLER, Stefan	
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[6086] P5.1063 Intrinsic impurity composition in helium and hydrogen discharges in Wendelstein 7-X	BUTTENSCHÖN, Birger	
[6087] P5.1064 The EUROfusion JET-ILW global confinement database	MASLOV, Mikhail	
[6084] P5.1061 Poloidal 2D scans to investigate potential and density profiles in the TJ-II stellarator using Heavy ion beam probe diagnostic	SHARMA, Ridhima	
[6085] P5.1062 Poloidal asymmetry of perpendicular velocity of the density fluctuations	VERMARE, Laure	
[6082] P5.1058 Merging/Compression start-up in ST40: Comparison between the first experimental results and numerical model	BUXTON, Peter Francis	
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[6182] P5.4013 Study of Sagdeev solutions and their stability against mutual collisions in the ion-acoustic regime based on kinetic simulation	HOSSEINI JENAB, Seyyed Mehdi	
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[6064] P5.1040 Computational modeling of quasi-single helicity states in an RFP	WARE, Andrew	
[6065] P5.1041 Fast ion effects on the magnetic islands in a tokamak	SAVIN, Vyacheslav	
[6066] P5.1042 Investigating the effect of neoclassical tearing modes on fast ions in ASDEX Upgrade: measurements and modelling	JACOBSEN, Asger Schou	
[6067] P5.1043 Status of parametric equilibrium reconstructions for Wendelstein 7-X	SCHMITT, John C.	
[6060] P5.1036 Non-linear MHD simulations of the plasma instabilities by pellet injection in LHD plasma	FUTATANI, Shimpei	
[6061] P5.1037 Preliminary analysis of breakdown and startup conditions for the first plasma of HL-2M	LI, Jiaxian	

[6062] P5.1038 Twenty-one years establishing ECCD stabilization of NTMs in DIII-D	HAYE, Robert John La	
[6063] P5.1039 Double tearing modes in the presence of anti-symmetric shear flow	WEI, L.	
[6068] P5.1044 3D Equilibrium Reconstruction with Islands	CIANCIOSA, Mark	
[6069] P5.1045 Kinetic Effects on Resistive Tearing Mode and Drift Tearing Mode	SHI, Hao	
[6105] P5.1084 Ion cyclotron emission properties in NBI-heated TUMAN-3M plasma	ASKINAZI, Leonid	
[6125] P5.2001 Magnetised thermal filamentation and focussing in laser-plasmas	WATKINS, Henry	
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[6163] P5.3005 Correlational approach to study interparticle interactions in complex plasmas	LISIN, Evgeny A.	
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[6165] P5.3007 Comparison of dust particle trajectories in Magnum-PSI with simulations in DTOKS	SIMONS, Luke	
[6164] P5.3006 Essential changes of structural and dynamical properties in a Yukawa system caused by amplitude instability	LISINA, Irina	
[6167] P5.3009 Negative drag force on finite-size dust grain in strongly collisional plasma	MOMOT, Andriy	
[6166] P5.3008 Charging processes of dust particles in magnetized gas discharge plasma	AGATAYEVA, Assem	
[6175] P5.4005 RF beam scattering by cylindrical filaments and interfacial density fluctuations	VALVIS, Spyridon-Iason	
[6138] P5.2015 Relativistic effects in plasma produced with sub-nanosecond 3-TW laser	KRASA, Josef	
[6100] P5.1079 Initial Results on Impact of Background Hydrogen Isotope on Impurity Behavior in the EC-heated LHD plasmas	TAMURA, Naoki	
[6132] P5.2009 Transverse beam structure formation in Crossed Beam Energy Transfer	SCHMITZ, Holger	
[6147] P5.2025 High current colliding beams as a potential source of energetic radiation and relativistic pairs	DEL GAUDIO, Fabrizio	
[6146] P5.2024 Generation of high-charge electron bunch and ultrafast gamma-ray beam in laser-plasma accelerator	XU, Jiancai	
[6136] P5.2013 Efficient Raman laser amplification with short pulses	KLIMO, Ondrej	
[6123] P5.1104 Magnetic compression at General Fusion - experiment and simulation with neutral fluid	DUNLEA, Carl	
[6184] P5.4015 Heating and stabilization of mirror confined plasma by rotating magnetic field	BE'ERY, Ilan	
[6026] P5.1001 Development of Faraday-cup-based Fast Ion Loss Detector in Wendelstein 7-X	OGAWA, Kunihiro	
[6027] P5.1002 Edge density profile and turbulence measurements with an alkali beam diagnostic on Wendelstein 7-X	VECSEI, Miklos	

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[6181] P5.4011 Dynamics of positrons during relativistic electron runaway	EMBREUS, Ola	
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