



# 24th IAEA Fusion Energy Conference - IAEA CN-197

## Thursday, 11 October 2012

**Poster: P6 - Poster Room (Area F-B) (14:00 - 18:45)**

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[507] TH/P6-25: Benchmarking of Codes for Spatial Profiles of Electron Cyclotron Losses with Account of Plasma Equilibrium in Tokamak Reactors	Mr MINASHIN, Pavel	
[297] TH/P6-14: Subcritical Growth of Coherent Phase-space Structures	Mr LESUR, Maxime	
[593] IFE/P6-14: Highly Repetitive Laser Inertial fusion driver with Tiled Coherent Beam Combination Laser using Stimulated Brillouin Scattering Phase Conjugation Mirrors	Mr KONG, Hong Jin	
[592] IFE/P6-08: Focusing Protons Beams for Fast Ignition	Mr BEG, Farhat	
[274] TH/P6-13: Kinetic Integrated Modeling of Burning Plasmas in Tokamaks	Mr FUKUYAMA, Atsushi	
[277] IFE/P6-15: Overview and Latest Proposals in SBS PCM Based IFE Technology Featuring Self-navigation of Lasers on Injected Direct Drive Pellets	Mr KALAL, Milan	
[443] EX/P6-22: Fast Ion Physics Enabled by Off-Axis Neutral Beam Injection	Mr HEIDBRINK, William W.	
[108] EX/P6-06: Measurement and Optimisation of the Fast Ion Distribution on MAST	Mr TURNYANSKIY, Mikhail	
[432] IFE/P6-17: Axial Magnetic Field Compression Studies Using Gas Puff Z-pinches and Thin Liners on COBRA	Mr GOURDAIN, Pierre-Alexandre	
[100] IFE/P6-12: Fast Ignition Scheme Fusion Using High-Repetition-Rate Laser	Mr KITAGAWA, Yoneyoshi	
[330] EX/P6-17: Electron Bernstein Wave Heating and Current Drive Effects in QUEST	Mr IDEI, Hiroshi	
[743] EX/5-1: Dynamics of Energetic Particle Driven Modes and MHD Modes in Wall-stabilized High Beta Plasmas on JT-60U and DIII-D	Mr MATSUNAGA, Go	
[333] EX/P6-18: Noninductive Formation of Spherical Tokamak at 7 Times the Plasma Cutoff Density by Electron Bernstein Wave Heating and Current Drive on LATE	Mr UCHIDA, Masaki	
[98] IFE/P6-13: 10-J Green DPSSL-pumped Laser System HAMA for High-repetitive Counter Irradiation Fast Heating Fusion Demonstration	Mr MORI, Yoshitaka	
[91] IFE/P6-01: Particle Simulation of Fusion Ignition	Mr MORE, Richard M.	
[233] IFE/P6-05: Computational Study of the Strong Magnetic Field Generation in Non-Spherical Cone-Guided Implosion	Mr NAGATOMO, Hideo	
[96] IFE/P6-09: Improvement of Characteristics of Laser Source of Ions by Changing the Interaction Angle of Laser Radiation	Mr KHAYDAROV, Rajabbay	
[741] EX/5-2: Studies of Energetic-ion-driven MHD Instabilities in Helical Plasmas with Low Magnetic Shear	Mr YAMAMOTO, Satoshi	
[554] TH/P6-26: Nonlinear Ponderomotive Forces with the Consideration of the Spatial Variation of Wave Fields during the Resonant Interaction	Mr GAO, Zhe	
[235] TH/P6-11: Integrated Plasma Simulation of Lower Hybrid Current Profile Control in Tokamaks	Mr BONOLI, Paul T.	

<b>[394] TH/P6-20: Linear Properties and Nonlinear Frequency Chirping of Energetic Particle Driven Geodesic Acoustic Mode in LHD</b>	Mr TODO, Yasushi	
<b>[612] EX/P6-27: Analysis of High Energy Neutral Particles Measured by CNPA and Comparison with Synthesized Fast Neutral Spectrum Based on TRANSP/FIDA for the NB Heated Plasmas in KSTAR</b>	Mr KIM, Sun-Ho	
<b>[149] TH/P6-05: Effect of Density Fluctuations on LHCD and ECCD and Implications for ITER</b>	Mr PEYSSON, Yves	
<b>[131] TH/P6-04: Alpha Particle Redistribution in Sawteeth</b>	Mr FARENGO, Ricardo	
<b>[130] IFE/P6-10: Proton Imaging of Hohlraum Plasma Stagnation in Inertial Confinement Fusion Experiments</b>	Mr LI, Chikang	
<b>[29] ICC/P6-01: The Finite Element Analysis of an Inertial Electrostatic Confinement Unit</b>	Mr KURT, Erol	
<b>[27] IFE/P6-03: Shock Studies in Nonlinear Force Driven Laser Fusion with Ultrahigh Plasma Block Acceleration</b>	Mr HORA, Heinrich	
<b>[404] TH/P6-21: Simulation of EPM Dynamics in FAST Plasmas Heated by ICRH and NNBI</b>	Mr DI TROIA, Claudio	
<b>[408] EX/P6-20: Coupling of ICRF Waves and Axial Transport of High-Energy Ions Owing to Spontaneously Excited Waves in the GAMMA 10 Tandem Mirror</b>	Mr ICHIMURA, Makoto	
<b>[372] TH/P6-19: Application and Development of the Gyro-Landau Fluid Model for Energetic-particle Instabilities</b>	Mr SPONG, Donald	
<b>[586] EX/P6-26: Experimental Study of Low Frequency Wave Current Drive in the SUNIST Spherical Tokamak</b>	Mr GAO, Zhe	
<b>[245] TH/P6-12: Advanced ICRF Scenarios and Antennae for Large Fusion Machines from JET to DEMO</b>	Mr VDOVIN, Victor	
<b>[517] EX/P6-25: Recent Results from Ion Cyclotron Resonance Heating Experiments in HT-7 and EAST Tokamak</b>	Ms QIN, Cheng Ming	
<b>[622] EX/P6-01: Direct Diagnosis and Parametric Dependence of 3D Helical Equilibrium in the MST RFP</b>	Mr CHAPMAN, Brett	
<b>[650] EX/P6-29: Spectral Broadening and Lower Hybrid Current Drive in High Density Tokamak Plasmas</b>	Mr CESARIO, Roberto	
<b>[598] TH/P6-29: Scattering of Radio Frequency Waves by Edge Density Blobs and Fluctuations in Tokamak Plasmas</b>	Mr RAM, Abhay	
<b>[185] TH/P6-06: Fully Gyrokinetic Modeling of Beam-driven Alfvén Eigenmodes in DIII-D Using GYRO</b>	Mr BASS, Eric M.	
<b>[16] IFE/P6-16: Summary of Progress in U.S. Heavy Ion Fusion Science Research</b>	Mr KWAN, Joe	
<b>[324] EX/P6-16: Electron Bernstein Wave Heating and Electron Cyclotron Current Drive by Use of Upgraded ECH System in LHD</b>	Mr YOSHIMURA, Yasuo	
<b>[203] EX/P6-10: Physics and Technology in the Ion-cyclotron Range of Frequency on Tore Supra and TITAN Test Facility: Implication for ITER</b>	Mr HOANG, Tuong	
<b>[207] TH/P6-08: Differences Between QL and Exact Ion Cyclotron Resonant Diffusion</b>	Mr HARVEY, Robert W.	
<b>[77] TH/P6-03: Electron Fishbone Simulations in FTU-like Equilibria Using XHMGC</b>	Mr VLAD, Gregorio	
<b>[72] IFE/P6-07: Self-consistent Integrated Modeling for Proton Fast Ignition</b>	Mr QIAO, Bin	
<b>[70] EX/P6-05: Fast-ion Energy Loss during TAE Avalanches in the National Spherical Torus Experiment</b>	Mr FREDRICKSON, Eric	

<b>[691] IFE/1-2: Progress toward Polar-Drive Ignition for the NIF</b>	Mr MCCRORY, Robert L.	
<b>[215] EX/P6-11: Study of Fast Ion Confinement in the TUMAN-3M</b>	Mr LEBEDEV, Sergei	
<b>[692] IFE/1-1: Diagnosing Implosion Performance at the National Ignition Facility (NIF) by Means of Advanced Neutron-Spectrometry and Neutron-Imaging Techniques</b>	Mr FRENJE, Johan	
<b>[693] IFE/1-4: Inertial Fusion Energy with Direct Drive and Krypton Fluoride Lasers</b>	Mr SETHIAN, John	
<b>[694] IFE/1-3: Fast Ignition Integrated Experiments with Gekko-XII and LFEX Lasers</b>	Mr SHIRAGA, Hiroyuki	
<b>[695] IFE/1-5: Approach to Power Plant Physics and Technology in Laser Fusion Energy Systems under Repetitive Operation</b>	Mr PERLADO, Jose Manuel	
<b>[366] EX/P6-19: Plasma Rotation Behavior under Lower Hybrid Current Drive and Ion Cyclotron Range of Frequency Heating on EAST</b>	Mr LU, Bo	
<b>[416] EX/P6-21: Investigations of LHW-plasma Coupling and Current Drive in H-mode Experiments in EAST</b>	Mr DING, Bojiang	
<b>[313] EX/P6-15: Coexistence of Alfvénic Modes Induced by Energetic Electrons with ECRH on HL-2A</b>	Mr DING, Xuanton	
<b>[311] EX/P6-14: Frequency Jump Phenomena of e-Fishbone during High Power ECRH on HL-2A Tokamak</b>	Mr YU, Liming	
<b>[316] TH/P6-17: Nonlinear Simulation of Energetic Particle Modes in JT-60U</b>	Mr BIERWAGE, Andreas	
<b>[3] TH/P6-01: Frequency Chirping during a Fishbone Burst</b>	Mr MARCHENKO, Victor	
<b>[576] IFE/P6-11: Study on the Energy Transfer Efficiency in the Fast Ignition Experiment</b>	Mr ARIKAWA, Yasunobu	
<b>[574] TH/P6-28: Numerical Simulations for Fusion Reactivity Enhancement in D-3He and D-T Plasmas due to 3He and T Minorities Heating</b>	Mr MOSKVITIN, Anton	
<b>[61] EX/P6-02: Internal Amplitude, Structure and Identification of CAEs and GAEs in NSTX</b>	Mr CROCKER, Neal	
<b>[67] EX/P6-04: First Operations of the Real-Time ECRH/ECCD System for Control of Magnetohydrodynamics Instabilities in the FTU Tokamak</b>	Mr SOZZI, Carlo	
<b>[256] EX/P6-12: Investigation of the Role of Energetic Particle in the Driving of Long-lived Saturated Internal Mode on HL-2A Tokamak</b>	Mr LIU, Yi	
<b>[734] EX/5-3: Observation of GAM Induced by Energetic Electrons and NL Interactions among GAM, BAEs and Tearing Modes on the HL-2A Tokamak</b>	Mr CHEN, Wei	
<b>[501] EX/P6-23: MHD Activity in the Alfvén Range of Frequencies in the H-1NF Helic</b>	Mr BLACKWELL, Boyd	
<b>[631] EX/P6-28: Basic Investigations of Electrostatic Turbulence and its Interaction with Plasma and Suprathermal Ions in a Simple Magnetized Toroidal Plasma</b>	Prof. FASOLI, Ambrogio	
<b>[351] IFE/P6-06: Study of Fast Electron Generation and Transport for Fast Ignition</b>	Ms WEI, Mingsheng	
<b>[211] IFE/P6-19: Mass-Fabrication of Targets for Inertial Fusion Energy</b>	Mr ALEXANDER, Neil B.	
<b>[263] EX/P6-13: Nonlinear features of the Alfvénic wave-particle interaction in auxiliary heated HL-2A plasma</b>	Mr LIU, Yi	
<b>[62] EX/P6-03: Fast-ion Redistribution and Loss due to Edge Perturbations in the ASDEX Upgrade, DIII-D and KSTAR Tokamaks</b>	Mr GARCIA-MUNOZ, Manuel	

<b>[302] TH/P6-16: Numerical Simulations of NBI-driven GAE modes in L-mode and H-mode Discharges in NSTX</b>	Ms BELOVA, Elena	
<b>[535] ICC/P6-02: Recent Magneto - Inertial Fusion Experiments on FRCHX</b>	Mr DEGNAN, James	
<b>[115] EX/P6-07: Electron Fishbones in LHCD Plasmas on FTU and Tore Supra</b>	Mr DUBUIT, Nicolas	
<b>[119] EX/P6-08: Development of Electron Cyclotron Wave Absorption Measurement for Real-Time Polarization Optimization and Studies of Quasilinear Effects</b>	Mr GOODMAN, Timothy	
<b>[158] EX/P6-09: Analysis of Alfvén Wave Activity in KSTAR Plasmas</b>	Mr HOLE, Matthew John	
<b>[569] TH/P6-27: Parameter Study of Parametric Instabilities during Lower Hybrid Waves Injection into Tokamaks</b>	Ms ZHAO, Aihui	
<b>[727] TH/4-2: Nonlinear Excitations of Zonal Structures by Toroidal Alfvén Eigenmodes</b>	Mr ZONCA, Fulvio	
<b>[729] TH/4-1: Energetic Particle Long Range Frequency Sweeping and Quasilinear Relaxation</b>	Mr BERK, Herbert	
<b>[48] TH/P6-02: Finite Orbit Width Features in the CQL3D Code</b>	Mr PETROV, Yuri	
<b>[508] EX/P6-24: Recent Progress on Lower Hybrid Current Drive and Implications for ITER</b>	Mr HILLAIRET, Julien	
<b>[489] TH/P6-24: PIC Simulations of the Ion Flow Induced by Radio Frequency Waves in Ion Cyclotron Frequency Range</b>	Mr XIANG, Nong	
<b>[477] IFE/P6-18: FIREX Foam Cryogenic Target Development: Attempt of Residual Voids Reduction with Solid Hydrogen Refractive Index Measurement</b>	Mr IWAMOTO, Akifumi	