



# 27th IAEA Fusion Energy Conference - IAEA CN-258

## Wednesday, October 24, 2018

### P4 Posters (2:00 PM - 6:45 PM)

[id] title	presenter	board
[640] Impurity Screening in High Density Aditya Tokamak Plasmas	Mrs MANCHANDA, RANJANA	
[558] Beam Ion Performance and Power Loads in the ITER Pre-Fusion Power Operating Scenarios (PFPO) with Reduced Field and Current	Dr KURKI-SUONIO, Taina	
[714] Edge Current Density Profile Measurement Using an Array of Miniature Magnetic Probes in ADITYA-U Tokamak	Mr MACWAN, Tanmay	
[292] The impact of the hydrogen species on the HHFW performance with possible new NSTX-U scenarios	Dr BERTELLI, Nicola	
[592] Integrated System Electronics and Instrumentation ; Operation and Diagnostic for Aditya-U Tokamak	Ms RAJPAL, Rachana	
[596] Gas Fuelling Control System of Aditya Tokamak	Mr PATEL, Narendra	
[270] Investigations on Growth of Quasi – Longitudinal (QL) Whistlers with Energy Scaling of Energetic Electrons in LVPD	Mr SANYASI, Amulya Kumar	
[524] Runaway Electron (RE) Mitigation Using Supersonic Molecular Beam Injection in the Aditya-U Tokamak	Dr BANERJEE, Santanu	
[101] Target Design Study of Fast Ignition for Ignition and Burning Experiments	Mr NAGATOMO, Hideo	
[641] Broadband Characterization of High Temperature Black Body Source with Fourier Transform Michelson Interferometer for ECE Measurements	Mr SINHA, Abhishek	
[643] Study of Iron Impurity Behavior using VUV Spectroscopy in Aditya and Aditya-U Tokamak	Mr PATEL, Sharvil	
[435] Global PIC simulation of RF waves in toroidal geometry	Dr KULEY, Animesh	
[752] Modelling of electron cyclotron resonance heating and current drive in the T-15-MD tokamak with GENRAY and CQL3D codes	Mr MINASHIN, Pavel	
[94] Particle Simulation Studies on Ion Effective Heating through Merging Plasmas	Dr USAMI, Shunsuke	
[612] Excitation of Electron Temperature Gradient (ETG) Turbulence and Effect on Plasma Transport in LVPD	Dr AWASTHI, LALIT	
[616] ADITYA Experimental Results of Core Ion Temperature Measurements on ADITYA Tokamak Using Four Channel Neutral Particle Analyser	Mr AJAY, Kumar	
[689] Design and Development of 140 GHz D-Band Phase Locked Heterodyne Interferometer System for Real Time Density Measurement	Mr NAGORA, Umesh Kumar	
[687] A Diagnostic Approach for the Detection of Spatially Distributed Low Energy Confined Runaway Electrons in the ADITYA-U Tokamak by means of Synchrotron Emission Imaging in the Sub-millimetre Wavelength Band	Dr PANDYA, Shwetang	
[8] Experimental Discharge Characterization of IEC Plasma Device	Prof. ELARAGI, Gamal	
[131] Progress of a DPSSL based R&D facility TERU for IFE technology and industrial applications	Dr WATARI, Takeshi	

<b>[629] Effect of multiple periodic gas puff on neutral temperature in Aditya – U tokamak</b>	Ms YADAV, Nandini	
<b>[244] Simulations on the particle and heat fluxes for the RF heating H-mode on EAST</b>	Mr XIA, Tianyang	
<b>[516] Mode Converted Electrostatic Nonlinear Ion-Ion Hybrid Mode In Tokamak Plasma</b>	Dr ATUL, JYOTI	
<b>[652] Observations of Intrinsic Toroidal Rotation using X-Ray Crystal Spectrometer in ADITYA-U Tokamak</b>	Ms SHAH, KAJAL	
<b>[627] Ka-Band Reflectometer System for measuring Radial Electron Density Profile at IPR.</b>	Mr BUCH, Janmejay Umeshbhai Dr PATHAK, Surya Kumar	
<b>[654] Controlling Plasma Rotation using Periodic Gas-puff in ADITYA-U Tokamak</b>	Mr SHUKLA, Gaurav	
<b>[651] Plasma Potential Measurements in the edge region of ADITYA – U Tokamak using Reciprocating Laser Heated Emissive Probes</b>	Ms KANIK, Abha	
<b>[76] Electron acceleration in dense plasmas heated by picosecond relativistic laser</b>	Dr IWATA, Natsumi	
<b>[660] Design and testing of X-mode reflectometry system for coupling studies of lower hybrid waves in ADITYA-U tokamak</b>	Mr KUMAR, Jagabandhu	
<b>[547] Mass Dependent Impurity Transport Study in ADITYA Tokamak</b>	Mrs MISHRA, sapna	
<b>[692] Radiation power loss study during gas puff induced disruptions in Aditya-U Tokamak</b>	Mrs TAHILIANI, Kumudni	
<b>[698] Design of a NIR Spectrometer for Aditya-U Tokamak and Initial Results.</b>	Dr PANDIT, Payal	
<b>[563] Fast Wave induced ICRF plasma Expansion in ADITYA torus</b>	Dr MISHRA, Kishore	
<b>[313] Experimental investigation of Power Coupling by RF Antenna into Plasmas in Presence of Magnetized Ions</b>	Mr JOSHI, Jay	
<b>[385] Theoretical and Computational Studies on the Scattering of Radio Frequency Waves by Fluctuations</b>	Dr RAM, Abhay	
<b>[578] Neon Gas Seeded Radiative Improved Mode in Aditya-U Tokamak</b>	Dr CHOWDHURI, Malay Bikas	
<b>[573] Analysis of Electron Cyclotron Wave Assisted Plasma Start-up in SST-1</b>	Mr SINGH, Amit Kumar	
<b>[571] Application of TEM to study the changes in sub-surface defects in Tungsten samples as a function of annealing temperature</b>	Mr AKKIREDDY, Satyaprasad	
<b>[639] Design and development of Passive Charge Exchange Neutral Particle Analyzer for ADIYA-U Tokamak</b>	Dr AGGARWAL, Snehlata	
<b>[671] Effect of externally applied radial electric field (biased-electrode) on Geodesic Acoustic Modes in SINP tokamak</b>	Mr LACHHVANI, Lavkesh	
<b>[4] Mechanical Mockup of IFE Reactor Intended for the Development of Cryogenic Targets Mass Production and Rep-Rate Delivery into the Reaction Chamber</b>	Prof. KUTEEV, Boris	
<b>[57] Anomalous Absorption and Emission in ECRH Experiments Due to Parametric Excitation of Localized UH Waves</b>	Prof. GUSAKOV, Evgenii	
<b>[56] Development of shell injection system for the future IFE power plant</b>	Prof. MORI, Yoshitaka	
<b>[568] Chord Average Density Measurement using Microwave Interferometry in LVPD</b>	Mr SRIVASTAVA, Pankaj Kumar	
<b>[751] Development of Multipurpose Soft X-Ray Tomography System for ADITYA-U.</b>	Mr RAVAL, Jayesh	
<b>[224] ECRH and mode conversion in overdense W7-X plasmas</b>	Dr ALEJNIKOV, Pavel	

<b>[720] Plasma Column Position Measurements using Magnetic Diagnostics in ADITYA-U Tokamak</b>	Mr AICH, Suman	
<b>[481] Interpenetration and Stagnation in Collapsing Plasma's</b>	Dr AL-SHBOUL, Khaled	
<b>[227] H-11B Fusion Reactor with Extreme Laser Pulses for non-LTE Igniton</b>	Prof. HORA, Heinrich	