

List of Pre-registration and Abstract

Plasma-2012

BASIC PLASMA (BP)

<u>Reg. Fee</u>	<u>Transport & Other charges If any</u>	<u>Signature</u>	<u>Id</u>	<u>Mode of Presentation</u>	<u>Title</u>	<u>Authors</u>
			BP01	POSTER	An analytical understanding of plasma surface interaction in N ₂ -H ₂ discharges	K.S. Suraj, Prince Alex, S Mukherjee
			BP02			
			BP03	POSTER	Growth Of A Spike On A Laser Beam In Magnetized Homogeneous Plasma	Ghanshyam
			BP04	ORAL	Quasiperiodic to Chaotic Transition in a DC Glow Discharge Plasma	Sudeshna Lahiri , D.Roy Chowdhury , A.N.S.Iyengar
			BP05	POSTER	Effect Of Magnetization And Hall Current On The Jeans Instability Of Quantum Magnetohydrodynamic (QMHD) Fluids	R. P. Prajapati and R. K. Chhajlani
			BP06	POSTER	Effect of Radiative Condensation On Jeans Instability Of Self-gravitating Magnetized Dusty Plasma With Polarization Force	R. P. Prajapati and R. K. Chhajlani
			BP07	POSTER	Study of Hall Thruster Performance Due to Magnetic Mirror Effects	Deepti Sharma & R. Srinivasan
			BP08	POSTER	Probe diagnostic of electro-negative discharge	Shantanu Karkari, Nishant Sirse and Mubarak Mujawar
			BP09	POSTER	Two-Dimensional dust acoustic solitary waves with kappa distributed ions and electrons	Chanchal Bedi and Tarsem Singh Gill
			BP10	ORAL	Generation of fluctuations and intrinsic flows in a simple toroidal plasma	T Shekar Goud, R Ganesh, Y C Saxena and D Raju

			BP11	POSTER	Studying Bohm Criterion in Two Ion Species Plasma	Vara Prasad.K, Joydeep Ghosh, Devendra Sharma, P.K. Chattopadhyay, P. Mehta
			BP11=EP15			
			BP12=CM12			
			BP13			
			BP14	POSTER	Switching Performance Of Indigenously Developed 25kV/5kA Pseudospark Plasma Switch.	BL Meena, UN Pal, MS Tyagi, Niraj Kumar, M Kumar, Dharmendra Kumar, V Srivastava and Ram Prakash
			BP15	POSTER	Imaging of x-ray emitting zone of plasma focus device by simple triple pinhole camera	N. Talukdar, N.K. Neog & T.K. Borthakur
			BP16	POSTER	kelvin-helmholtz instability of super imposed of viscous fluids in porous medium d	Anita Tiwari, P.K. Sharma, R.K. Chhajlani
			BP17	POSTER	Nonlinear Amplitude modulation of Electron-Acoustic Waves in Relativistically Degenerate Quantum Plasma	Basudev Ghosh and Swarniv Chandra
			BP18	POSTER	Harmonic Generation by Electrostatic Surface Waves on a Quantum Plasma Half-Space	Swarniv Chandra and Basudev Ghosh
			BP19	POSTER	Linear and Nonlinear Behaviour of Electron Plasma Waves in a Finite Temperature Quantum Plasma	Swarniv Chandra and Basudev Ghosh
			BP20	POSTER	Kinetic Energy of Ion and Electron in Magnetized Plasma Sheath .	Roshan Chalise and Raju Khanal
			BP21	POSTER	Development and characterization of Zn ²⁺ doped β -Tricalcium phosphate coatings on 316L SS for orthopaedic applications	R. Prasad, Ram Kishore Singh, S. Kannan
			BP22	POSTER	Non linear study in a cold cathode glow discharge	Anu Philip, P.J Kurian, P.K Chattopadyay
			BP23	POSTER	Bright and hole Peregrine soliton in multicomponent plasma with negative ions	S K Sharma, H Bailung and Y Nakamura

			BP24	POSTER	Characteristics Of Electron Free Plasma Produced By Using CUSP Magnetic Filter	Manoj Kumar Deka,Nirab Chandra Adhikary and Heremba Bailing
			BP25	POSTER	Study of Helix Water Pulse Forming Line For Generating Longer Duration Rectangular Pulse For Compact Pulsed Power Drivers	S K Sharma, P Deb, R Verma, R Shukla, P Banerjee, T Prabakaran, B Adhikary & A Shyam
			BP26	POSTER	Characterization of Plasma Treated TiO2 Nano Composites Polymer Membranes	Ravi Agarwal, Priti Agarwal
			BP27			
			BP28	POSTER	Ion-acoustic shock waves in beam plasma interaction	Ripin Kohli, N.S.Saini
			BP29	POSTER	Correlation of neutron with deuteron and X-ray emission from 2.2 kJ plasma focus device	N. Talukdar, T. K. Borthakur, N. K. Neog
			BP30	POSTER	Stimulated Raman Scattering of a Circularly Polarized Laser Beam in a Magnetized Plasma	Prateek Varshney, Vivek Sajal and Ravindra Kumar
			BP31	POSTER	An Integrated Four-Gun Plasma Source For SYMPLE	Anitha V.P., Priyavandna J. Rathod, Renu Bahl and Jayesh Rawal
			BP32	POSTER	On Unstable Electromagnetic Radiation In Inhomogeneous Plasma Driven By Nonlinear Dissipative Force	Anjan Borgohain and Paramananda Deka
			BP33	POSTER	Effect of Ionic Temperature on Ion-Acoustic Solitons in Warm Plasma Consisting of Positive Negative Ions with Electrons Featuring Tsallis distribution	Amandeep Singh Bains and Nareshpal Singh Saini
			BP34	POSTER	Shock Dynamics in Nonextensive Electronegative Plasmas	Tarsem Singh Gill and Amandeep Singh Bains
			BP35	POSTER	Effect of the Asymmetric Ion flow on Dust Crystallization in Magnetized Complex plasma	Nilakshi Das, Saurav Bhattacharjee
			BP36	POSTER	Electrostatic Ion Waves In A Magnetized, Collisional Multi-ion Plasma	Samuel George, Rajeev V. R., Neethu Theresa Wellington, R. Jayapal, S. Antony and Chandu Venugopal
			BP37	POSTER	Drift Wave And Its Stability Analysis In ECR Produced Plasma Of MaPLE Device at Saha Institute of Nuclear Physics	Subir Biswas, Rabindranath Pal and Nikhil Chakrabarti

			BP38	POSTER	Wave Breaking Phenomenon of Lower-Hybrid Oscillations Induced by Background Inhomogeneous Magnetic Field	Chandan Maity, Nikhil Chakrabarti, Sudip sengupta
			BP39	POSTER	Magnetised Linear Plasma Device for wave studies	Sayak Bose, P.K. Chattopadhyay, J. Ghosh, Y.C. Saxena, S. Sengupta
			BP40	POSTER	Current Free Double Layer Study in a Low Pressure Helicon Discharge (For Buti Talk)	Kshitish Kumar Barada, Prabal K. Chattopadhyay, J Ghosh, Sunil Kumar, Y C saxena
			BP41	POSTER	The Low Magnetic Field Density Peak in a Helicon Discharge	Kshitish Kumar Barada, Prabal K. Chattopadhyay, J Ghosh, Sunil Kumar, Y C saxena
			BP42	POSTER	Ion-Acoustic Solitons In Inhomogeneous Plasma In Presence of Weak Ionization	L. B. Gogoi and P. N. Deka
			BP43	POSTER	Self-gravitational Instability Of Two-Component Radiative Plasma With Hall Current And Electron Inertia Flowing Through Porous Medium	Sachin Kaothekar and R. K. Chhajlani
			BP44	POSTER	Analysis of EMHD Wave Propagation in Radially Nonuniform Magnetic Configuration	D.Sharma, Anitha V.P and S.K Mattoo
			BP45			
			BP46	POSTER	Modified jeans instability of quantum plasma with resistive effects and intrinsic magnetization due to electron spin	Prerana sharma and R.K Chhajlani
			BP47	POSTER	Maxwell Formulation For Equations Of Quantum Plasma	Punit Kumar and Divya Rehani,
			BP48	POSTER	Magnetic Field Generation by Propagation of E.M. Waves In Magnetized Quantum Plasma	Punit Kumar and Nisha Singh Rathore
			BP49	POSTER	Ponderomotive Acceleration in Magnetized Quantum Plasma	Punit Kumar and Abhisek Kumar Singh,
			BP50	POSTER	Kelvin-Helmholtz Instability Of Two Superposed Viscous Fluids In Porous Medium	P.K.Sharma, Anita Tiwari and R.K.Chhajlani*
			BP51	POSTER	Effect Of Viscosity On The Rayleigh-Taylor Instability Of Two Superposed Incompressible Fluids In The Porous Medium	

			BP52=BP13	POSTER	Comparative Study on Nonlinear Dynamics of Magnetized and Un-magnetized DC Glow Discharge Plasma	Bornali Sarma, Sourabh S. Chauhan, Aparajeeta Guha, A. M. Wharton, A. N. Sekar Iyengar
			BP53	POSTER	Characterization Studies Of Lithium Vapor Generated In The Heat Pipe Oven For The Plasma Wakefield Accelerator Experiment	K . K . Mohandas, Kanchan Mahavar, Ajai Kumar and Ravi A. V. Kumar
			BP54	POSTER	Ion-Acoustic Solitary Waves with q-nonextensive Distribution of Electrons	Parveen Bala
			BP55	POSTER	Experimental Measurement Of Electron Energy Distribution Function Of Solitary Electron Holes	Satyananda Kar, Mangilal and S. Mukherjee
			BP56	POSTER	Electron Trapping in Laser Wakefield Acceleration in Plasma	D. N. Gupta, M. R. Islam, D. A. Jaroszynski, and H. Suk
			BP57	POSTER	Comparison of Langmuir probe characteristic of argon and oxygen plasma in presence of external magnetic field	Roopendra Singh Rajawat, Shantanu Kumar Karkari
			BP58	POSTER	Biased Electrode Experiment in Aditya Tokamak	Pravesh Dhyani, J. Ghosh, P.K. Chattopadhyay, K. Sathyanarayana, K.A. Jadeja, R.L. Tanna, S.B. Bhatt, V.K. Panchal, D.S. Varia, M.B. Kalal, Jayesh Raval, Shankar Joisa, Nilam Ramaiya, M.B. Chowdhuri, Aniruddh Mali, Umesh Dhobi, P.K. Atrey, Kumudni Tahiliani, C.N. Gupta, Y.C. Saxena and ADITYA Team
			BP59	POSTER	Observations of nonlinear structures in LVPD Plasma	S. K. Singh, L. M. Awasthi, S. K. Mattoo, R. Jha, P. K. Srivastava, R. Singh and P. K. Kaw
			BP60	POSTER	Novel method for scavenging of energetic electrons by pulse modulation of discharge supply	P. K. Srivastava, Arvind Chavda, Kalpesh N. Raval, S. K. Singh, A. K. Sanyasi, L. M. Awasthi and S. K. Mattoo
			BP61	POSTER	ETG Turbulence in Finite Beta Plasma of LVPD	S. K. Singh, L. M. Awasthi, S. K. Mattoo, P. K. Srivastava, R. Singh and P. K. Kaw
			BP62	POSTER	Observation of Electromagnetic Turbulence in the Energetic Electron Belt region of LVPD Plasma	A. K. Sanyasi, L. M. Awasthi, S. K. Mattoo, P. K. Srivastava, R. Singh and P. K. Kaw
			BP63	POSTER	Study of Shear Flows in a Strongly Coupled System using a Generalized Hydrodynamic Model	Akanksha Gupta, Ashwin Joy and Rajaraman Ganesh

			BP64	POSTER	Phase Mixing Of Upper Hybrid Oscillations In The Presence Of An Inhomogeneous Magnetic Field	Someswar Dutta, Sudip Sengupta, R. Srinivasan
			BP65	POSTER	Characterization of VIRCATOR: An Update	Renu Bahl, Rajesh Kumar, Anitha V P, Jignesh , Anurag Shyam and Chenna Reddy
			BP66	POSTER	MD Simulational Study Of Driven Yukawa System	Swati Baruah1 and R. Ganesh2
			BP67	POSTER	Effect Of External Forcing On Plasma Oscillations In Cylindrical Glow Discharge Plasma	Neeraj Chaubey, A.M. Wharton, A.N.Sekar Iyengar, S. Mukherjee
			BP68	POSTER	DEBYE SHIELDING MODEL REVISITED WITH ELECTRON INERTIA	H. P. Goutam and P. K. Karmakar

			Computer simulation & Modeling (CM)			
			CM01	POSTER	Particle-in-Cell Simulations for a Virtual-Cathode based THz source: An Exploratory Study	Gursharn Singh, Sijoy C.D. and Dr. Shashank Chaturvedi
			CM02	ORAL	Rayleigh-Taylor instability analysis in a direct energy conversion system based on magnetic flux compression by expanding fusion plasma	Sijoy C.D., Gursharn Singh and Shashank Chaturvedi
			CM03	POSTER	First Implementation of 2-D Scrape-off Layer Plasma-Neutral Transport Simulation code SOLPS5.1 to a Double-Null Diverted Plasma-Magnetic Equilibrium	Anil Tyagi, Devendra Sharma, and Shishir Deshpande
			CM04	POSTER	Electromagnetic Particle-in-Cell Simulation in Three-Dimensions of the Kelvin-Helmholtz Instability in a Plasma	Kartik Patel, Bhavesh Patel, Amita Das
			CM05	POSTER	A Kinetic Trajectory Simulation Model for Magnetized Plasma-Wall Transition	R. Khanal
			CM06	POSTER	A Synthetic Diagnostic to modeled expected 2-D radiation power loss profile for the Infrared Imaging Video Bolometer of ADITYA tokamak	Santosh P. Pandya, Zubin Shaikh, Shamsuddin Shaikh, Shwetang N. Pandya and J. Govindarajan
			CM07	POSTER	Collisional Radiative Model For Inert Gases Using Detailed Fine-Structure Cross Sections	R K Gangwar, Dipti, L Sharma, R Srivastava and A D Stauffer
			CM08	POSTER	Weibel Instability as a Function of Laser Angle of Incidence and Effect of External Magnetic Field	Anshuman Borthakur and Nilakshi Das
			CM09	POSTER	Collisional Radiative Model For Inert Gases Using Detailed Fine-Structure Cross Sections	R K Gangwar, Dipti, L Sharma, R Srivastava and A D Stauffer
			CM10	POSTER	Collisional Radiative Model For Inert Gases Using Detailed Fine-Structure Cross Sections	R K Gangwar, Dipti, L Sharma, R Srivastava and A D Stauffer
			CM11	POSTER	Collisional Radiative Model For Inert Gases Using Detailed Fine-Structure Cross Sections	R K Gangwar, Dipti, L Sharma, R Srivastava and A D Stauffer
			CM12	POSTER	Neoclassical closure and the effect of equilibrium flow	S. Chatterjee and M. P. Bora
			CM13	POSTER	Neoclassical closure and the effect of equilibrium flow	S. Chatterjee and M. P. Bora

			CM14	POSTER	2-D Predictive simulations of Scrape-off Layer Plasma Transport of Phase-1 Divertor Operations in Tokamak SST-1	M. Himabindu, Anil Tyagi, Ziauddin Khan, Devendra Sharma, and Shishir Deshpande
			CM15	POSTER	Study of Collisional Processes in Atomic Systems (Buti Award))	R K Gangwar
			CM16	POSTER	Excess Energy Of Coulomb Crystal In Presence Of An External Magnetic Field	Mahmuda Begum and Dr.Nilakshi Das
			CM17	POSTER	Numerical Simulation of Substrate and Coating Temperatures during Plasma Spraying	M Raja, Gavisiddayya Hiremath, Dr.K. Ramachandran, Dr.P.V.A. Padmanabhan,Dr.T.K.Thiyagarajan
			CM18	POSTER	Numerical Simualtion of Non-Transferred Arc Plasma Torch Built at IPR	Gavisiddayya Hiremath, Dr.K.Ramachandran,Dr.G.Ravi
			CM19	POSTER	Particle in Cell Modeling using XOOPIC to interpret the Experimental Results Of The Axial Virtual Cathode Oscillator (VIRCATOR) Driven By The Compact Pulsed Power Source	Rohit Shukla, S.K. Sharma, P.Banerjee, P.Deb, T.Prabakaran, R.Verma, B.Adhikary A.Shyam
			CM20	POSTER	Kinetic Energy of Ion and Electron in Magnetized Plasma Sheath	Roshan Chalise and Raju Khanal
			CM21	POSTER	Study Of Thermal, Fluid Dynamic And Active Species Characteristics Of DC Segmented Electrode Arc Plasma Torches	K.C. Meher, S. Ghorui and A.K. Das
			CM 22	POSTER	Non-linear Study in a Cold Cathode Glow Discharge.	Anu Philip, P.J Kurian, P.K Chattopadhyay
			CM23	POSTER	Bright and Hole Peregrine Soliton in a Multicomponent Plasma with Negative Ions	S K Sharma, H Bailung and Y Nakamura
			CM24	POSTER	Characteristics of Electron Free Plasma Produced by using CUSP Magnetic Filter	Manoj Kumar Deka, Nirab Chandra Adhikary and Heremba Bailung
			CM25	POSTER	Computational Fluid Dynamic and Magneto Hydro Dynamic Simulations Of The Transferred Arc Torch Based Nanoparticle Production System	A. K. Tak, S. M. Gundal and A. K. Das
			CM26	POSTER	Computational Studies Of The Effect Of Power Variation On Velocities Of The Particles In The Single Wire Arc Spray System	A. K. Tak, S. N. Shastrabudhe, N. Tiwari and A. K. Das
			CM27	POSTER	Simulation Of Pyrolysis Of Wood In Thermal Plasma Torch Based Plasma Pyrolyser	A. K. Tak and A. K. Das

			CM28	POSTER	Analysis of 3-Dimensional Characteristics of Simulated Scrape-Off	Bibhu Prasad Sahoo, Devendra Sharma and R. Jha
			CM29	POSTER	1-D PIC Simulation of Finite-size Transient Photoplasma	B. Jana*, A. Majumder, S. Baruah, G. K. Sahu, K. B. Thakur and A. K. Das
			CM30	POSTER	FLUID SIMULATION OF ELECTROSTATIC SHEATH WITH NEGATIVELY CHARGED DUST	R. Moulick, M. K. Mahanta ² and K. S. Goswami
			Solar Cell, Hydrogen as Fuel & Other Areas (OA)			
			AO01	POSTER	Journey of Electron from Generation to Consumption	Vibhu Tripathi
			AO02	POSTER	Estimation of permittivity and loss tangent of high frequency ceramics using free space method	Vivek Yadav, Nitin Kumar, SC Deorani and AK Sinha
			AO03	POSTER	Optical and Catalytic properties Of Au/CeO ₂ nanoparticles	M Anandkumar, D Bharathi, K Suresh Babu
			AO04	POSTER	Magnetic And Optical Properties Of Doped Cerium Oxide Nanostructures	Yogesh S Choudhary, K Suresh Babu
			AO05	POSTER	Electronic transport across a ferroelectric polymer	K.Pramod & Ramesh Babu Gangineni
			AO06	ORAL	Optimization of SrTiO ₃ Thin Films Grown Using Pulsed Laser Deposition	K. Pramod and Ramesh Babu Gangineni
			AO07	POSTER	Microcontroller Based Prototype DC to AC three Phase Inverter for Study and Analysis of Control Behavior of Filament Heating Power Supply for NBI System	Vijay Vadher, Paresh Patel, Nigam Prajapati ¹ , V.B. Patel, Dipal Thakkar, C.B. Sumod, L. N. Gupta, L. K. Bansal, Karishma Qureshi, Hitesh Mandaliya and U. K. Baruah
			AO08	POSTER	Recent Developments in Lithium Battery	Ramaswamy Murugan
			AO09	POSTER	Dynamics of soliton matter waves in trapped BEC with time-dependent two and three-body interaction	MITHUN T, K PORSEZIAN
			AO10	POSTER	Discharge Characterization and Optimization Study in Volume Discharge Configuration of DBDs for Efficient VUV/UV Light Sources	Udit Narayan Pal and Ram Prakash

				POSTER		
			AO12	POSTER	Comparative Characterization of Ion-Plasma Treated Polymer Nano Composites	Narendra Kumar Agrawal, Dr. K. Awasthi, Prof Y. K. Vijay, Prof K. C. Swami
			AO13	POSTER	White light generation in Tb-Sm codoped oxyfluoride glasses under gamma irradiation	B. Hari Babu, V. V. Ravi Kanth Kumar
			AO14			
			AO15	ORAL	Structural and Photoluminescence Studies of Pure and Eu3+ doped Y2O3 Oxide Nanoparticles	P. Packiyaraj, S. Amirthapandian, B.K. Panigrahi, P.Thangadurai
			AO16	POSTER	Electronic Transport in Ferroelectric Tunnel Junctions using Density Functional Theory Calculations	Manjeet Kumar Bhatia, Gangineni Ramesh Babu
			AO17	POSTER	VUV Assisted Advanced System for Testing and Calibration in Vacuum: The VAASTAV Facility	Prabhat Kumar Sharma, Kumudni Tahiliani, Ratneshwar Jha and M.V. Gopalakrishna
			AO18	POSTER	A Novel 9-D Model For Determining Relativistic Momentum, Force And Energy Of A Particle Moving On A 4-Sphere	A.K.Agarwal
			AO19	POSTER	Doped ZnO anode material for organic light emitting diodes	R. sudha, P.Thangadurai
			AO20	POSTER	Electrophoretic deposition of Copper doped Tricalcium phosphate for Orthopaedic application	Ram Kishore Singh, R. Prasad, S. Kannan
			AO21	POSTER	Large Volume Double Ring Penning Plasma Discharge Source and Its PIC Simulation	Gheesa lal Vyas, Ram Prakash, Jalaj Jain, Jitendra Prajapati, Udit Narayan Pal, Malay Bikas Chowdhuri ,Ranjana Manchanda and Vishnu Shrivastava
			AO22	POSTER	Structural, Morphological and Optical Properties of Na and K Dual Doped CdS Thin Film	S. Mageswari, L. Dhivya, Balan Palanivel and Ramaswamy Murugan
			AO23	POSTER	Synthesis and Characterization of various sized ZnO nanoparticles prepared by different methods	O. Padmaraj, M. Venkateswarlu, N. Satyanarayana
			AO24	POSTER	Preparation and Characterization of Dy3+ doped SrMoO4 Nanoparticles	Paramananda Jena, N.Nallamuthu, M. Venkateswarlu, N. Satyanarayana

			AO25	POSTER	Dye-sensitized Solar Cell based on Natural dye extracted from Red Frangipani flowers	S. Vinoth, S. Manoharan, S. Anandan, Ramaswamy Murugan
			AO26	POSTER	Surface modification of LiCoO ₂ particles	B.Nageswara Rao, M.Venkateswarlu, N.Satyanarayana
			AO27	POSTER	Structural and Optical studies of Mn doped SnO ₂ nanoparticles prepared by the Chemical Co-precipitation method	B. Venu Gopal, Brajesh Nandan, S. Amirthapandian, B. K. Panigrahi, P. Thangadurai
			AO28	POSTER	Structural and Optical studies of Mn doped SnO ₂ nanoparticles prepared by the Chemical Co-precipitation method	B. Venu Gopal ¹ , Brajesh Nandan ¹ , S. Amirthapandian ² , B. K. Panigrahi ² , P. Thangadurai ^{1,*}
			AO29	POSTER	Structural and Optical studies of Mn doped SnO ₂ nanoparticles prepared by the Chemical Co-precipitation method	B. Venu Gopal, Brajesh Nandan, S. Amirthapandian, B. K. Panigrahi, P. Thangadurai
			AO30	POSTER	Tribo-Performance Prediction of Glass Micro-spheres Coatings Using Artificial Neural Network	Gaurav Gupta, Srimant Kumar Mishra, Sisir Mantry, Alok Satapathy
			AO31	POSTER	Liquid dielectrics breakdown study under pulsed conditions	G Veda prakash, R.Kumar, C.Reddy, J.Patel,S.Ansari, A. shyam
			AO32=NF49	POSTER	Comprehensive Studies on Thickness Measurement of Gold Thin Film Using RBS Method	
			AO33	POSTER	Characterization of Plasma Treated ZnO Nano Composites Polymer Membranes	Narendra Kumar Agrawal, Dr. K. Awasthi, Prof Y. K. Vijay, Prof K. C. Swami
			AO34=LP01	POSTER	Design of twin core nonlinear photonic crystal fiber for the all optical coupling and switching applications	T. Uthayakumar, Vasantha Jayakantha Raja, K.Nithyanandan, and K.Porsezian
			AO35	POSTER	Sputter pressure influenced structural, morphological and optical properties of magnetron sputtered MoO ₃ films	S. Subbarayudu, V. Madhavi and S. Uthanna
			AO36	POSTER	structural and electrical characterization of CuO nano particles synthesized by co-precipitation method for ethanol gas sensing application	C.Ravi Dhas, P.Deepa, S.M.Sathiya A.Moses Ezhil Raj,C.Sanjeevi Raja
			AO37	POSTER	Doped Cerium Oxide Nanostructures as Thin Film Electrolyte For ITSOFC	P.Arunkumar, R. Ramaseshan, S. Dash, K Suresh Babu
			AO38	POSTER	Dynamics of Dipolar Bose–Einstein condensate (DBEC) with time-dependent trapping potential	S. Sabari ¹ , K.Porsezian, and P. Muruganandam

			AO39	POSTER	Synthesis of Nanocrystalline Li_2TiO_3 by High Energy Ball Milling	Umasankar Dash, SKS Parashar, Kajal Parashar, Paritosh Chaudhuri
			AO40	POSTER	Power generation from biomass and waste	Kusum Kashyap
			AO41	POSTER	Calcium Silicate Coating on Metallic Implant for Orthopaedic Surgery	S. Kalaivani
			AO42	POSTER	Synthesis, Characterization and Fabrication Hydroxyapatite/Titania Composites for Biomedical Applications	Sarkar and S. Kannan
			AO43	ORAL	Development of Nanocrystalline Indium Tin Oxide (ITO) Thin Films Using RF-Magnetron Sputtering	N.Tamilselvan and Periyasamy Thilakan
			AO44	POSTER	Optical Properties Of Spin Coated ZnO Films	Sreekul Raj R, G.Ramesh Babu
			AO45	POSTER	STUDY OF PARAMETERIC OPTIMIZATION ON ELECTRO-EXPLOSIVE OPENING SWITCH PERFORMANCE	S.P. Nayak, T.C. Kaushik, M. Kale, S.C. Gupta
			AO46	POSTER	Electrothermal Efficiency and Characteristics of Plasma Sprayed Alumina-Titania Composite Coatings in a DC Plasma Spray Torch	R. Saranya*, A. Chandraprakash, A. Suganya, K. Shobana, G. Shanmugavelayutham
			AO47	POSTER	Experimentation And Energy Storage Property Analysis Of Phase Change Material Container Selection In Solar Thermal Application	M.R. SESHAN RAM
			EXOTIC PLASMA (EP)			
			EP01	POSTER	Salient features of dust grains in a rotating plasma sheath	Jaydeep Paul, Apratim Nag and Ramendu Bhattacharjee
			EP02	POSTER	Salient features of dust grains in a rotating plasma sheath	Jaydeep Paul, Apratim Nag and Ramendu Bhattacharjee
			EP03	POSTER	Characteristics Of Electron Free Plasma Produced By Using CUSP Magnetic Filter	Manoj Kumar Deka, Nirab Chandra Adhikary and Heremba Bailung
			EP04	POSTER	Analysis Of Electron Energy Distribution Function In A Magnetically Filtered Complex Plasma	Nirab Chandra Adhikary, Manoj Kumar Deka and Heremba Bailung

			EP05	POSTER	Low Frequency Dust Acoustic Solitary Waves In Pair-ions Superthermal Plasma	Barjinder Kaur , N .S. Saini
			EP06	POSTER	Electrostatic Solitary Structures In A Dusty Plasma With Nonextensive Electrons	N S Saini and B S Chahal
			EP07	ORAL	Experimental observation of growth of graphite dusts in presence of acetylene using bipolar pulsed power supply.	Sanjib Sarkar, M. Bose, J. Pramanik & S. Mukherjee
			EP08	ORAL	Velocity Shear Driven Low Frequency Instability In A Strongly Coupled Inhomogeneous Media	S. Garai, D Banerjee, M. S. Janaki and N. Chakrabarti
			EP09	POSTER	Stability of dust shear flow in strongly coupled plasma	D. Banerjee, M. S. Janaki and N. Chakrabarti
			EP10	POSTER	Experiments on Dust Heat Engine	Manjit Kaur, Sayak Bose, Prabal K. Chattopadhyay, K. Avinash, J. Ghosh
			EP11	POSTER	New Nonlinear Eigenmodes of Self-Gravitating Spherical Charged Dust Molecular Cloud	B. Borah and P. K. Karmakar
			EP12	POSTER	Solitary Waves In A Self-Gravitating Dusty Plasma Near Critical Density Of Two-Temperature Electrons	Sailendra Nath Paul
			EP13	POSTER	Effect of Thermal Inertia on Pulsational Mode Stability,	B. Borah and P. K. Karmakar
			EP14=CM16	POSTER	Dust Cluster in Presence of Magnetic Field	M.Begum and N.Das
			EP15=BP11	POSTER	Dust charge measurement and wave excitation in a dc glow discharge dusty plasma	Jyotirmoy Pramanik
			EP16	POSTER	Ion Beam Driven Lower Hybrid Waves In a Magnetized Dusty Plasma Cylinder	Jyotsna Sharma, Suresh C. Sharma and V.K. Jain
			EP17	ORAL	Studies On IAW Propagation In Low-Pressure Hydrogen Plasma In Presence Of Dust	B. Kakati, S.S. Kausik, B.K. Saikia and M. Bandyopadhyay
			EP18	POSTER	Effect of neutral pressure on dust crystallization in complex plasmas	Nilakshi Das, Saurav Bhattacharjee, Swati Baruah

			EP19	POSTER	2-D Turbulence in Strongly Coupled Dusty Plasmas	Sanat Kumar Tiwari, Vikram Singh Dharodi, Amita Das, Bhavesh G. Patel and Predhiman Kaw
			INDUSTRIAL PLASMA APPLICATIONS (IP)			
			IP01	POSTER	Doped Cerium Oxide Nanostructures as Thin Film Electrolyte For ITSOFC	P. Arunkumar, R. Ramaseshan, S. Dash, K Suresh Babu
			IP02	POSTER	Phase Transition Dynamics in Ceria-Zirconia Nano Composites	M.Sribalaji, P.ArunKumar, Dr.K.Suresh Babu
			IP03	POSTER	Kinetics in N ₂ - H ₂ Non-Equilibrium Plasma Sheath of a Negatively Biased Substrate	R.P. Dahiya and O. Singh
			IP04	POSTER	Study of Corrosion Properties of Pulsed DC Glow Discharge Plasma Nitrided AISI D3 Steel	Abhishek Sharma and K C Swami
			IP05	POSTER	Low Pressure RF Discharge Plasma for Cleaning of Carbon Contamination on Optics	M. Kumar, P. Yadav, J. A. Chakera, S. K. Rai, P. A. Naik, G. S. Lodha and P. D. Gupta
			IP06	POSTER	Discharge phenomena associated in wire explosion during the production of copper nanoparticles	Rashmita Das,Basanta Kumar Das, and Anurag Shyam
			IP07	POSTER	Development of VUV/UV excimer source for water borne germicidal application	Pooja Gulati, U N Pal, Ram Prakash, Niraj Kumar, M Kumar, Vimal Vyas, V Srivastava
			IP08	POSTER	Effect of Dielectric Barrier Position on Discharge Parameters of DBD	Seri Sai Geetha, Pooja Gulati,U.N. Pal,Ram Prakash, Vimal Vyas and V. Srivastava
			IP09	POSTER	Dielectric Barrier Discharge Based VUV/UV Excimer Plasma Sources for Societal & Industrial Applications	Ram Prakash, U.N. Pal, Pooja Gulati, Niraj Kumar and V. Srivastava
			IP10	ORAL	Fabrication of Conjugated Polymer/ Inorganic Oxide Based Nanocomposite Films by Plasma Process	Amreen A Hussain, Arup R Pal, Heremba Bailung, Joyanti Chutia and Dinkar S Patil
			IP11	POSTER	Surface Functionalization of Cotton Textile using Atmospheric Pressure Cold Plasma	Kartick K. Samanta, Sujata Saxena, A. Arputharaj and Manik Bhowmick
			IP12	POSTER	Effects of Atmospheric Pressure Plasma Treatment and UV- Treatment on the Wettability Polycarbonate	R. B. Tyata, R. Shrestha, D. Rimal,C. S. Wong, D. P. Subedi

			IP13	POSTER	Development of 20kV/160A Plasma Cathode Electron Gun for Microwave Application	Niraj Kumar, U.N. Pal, Deepak. K. Verma, J. Prajapati, V.Srivastava and Ram Prakash
			IP14	POSTER	Sputter Deposition Of Platinum Nanoparticles Onto Porous Carbon Paper For Application As Electrodes In Fuel Cells	Aziz Khan, Bhabesh Kr. Nath, Arup R. Pal and Joyanti Chutia
			IP15	POSTER	Study And Characterisation Of Polypropylene And Polyethylene Films Deposited By RF Plasma	Dolly Gogoi, Joyanti Chutia, Arup Ratan Pal, Arup Jyoti Choudhury, Dinkar S. Patil
			IP16			
			IP17	POSTER	Size Engineering Of Nickel Nanoparticles As a Catalyst For Carbon Nanotube Growth	Mahananda Baro, Arup R. Pal
			IP18	POSTER	Characterization of Plasma Treated ZnO Nano Composites Polymer Membranes	Narendra Kumar Agrawal, Dr. K. Awasthi, Prof Y. K. Vijay, Prof. K. C. Swami
			IP19	POSTER	Hot And Dense Plasma Used For Synthesis Of Zirconium Oxide Nanostructures	O. Mangla and M. P. Srivastava
			IP20	POSTER	Synthesis of Silver Nanodots using Hot, Dense and Extremely Non-Equilibrium Plasma Generated in 3.3KJ Dense Plasma Focus Device	Yashi Malhotra and M.P.Srivastava
			IP21	POSTER	Influence of annealing temperature on the RF/DC Co-sputtered TiXA11-XN thin films.	Ashwini Kumar Singh, Neelam Kumari & P. K. Barhai
			IP22	POSTER	Influence of DC power on the properties of AlN thin films	Neelam Kumari, Ashwini Kumar Singh & P. K. Barhai
			IP23	POSTER	Gold-silver bimetallic nanostructures fabricated by hot plasma and their characterization	Bilasini Devi Naorem, Savita Roy, Yashi Malhotra and M.P. Srivastava
			IP24	POSTER	Optical Absorption Study of GaAs Nanostructures Synthesized Using Hot And Dense Plasma	O. Mangla, S. Roy and M. P. Srivastava
			IP25	POSTER	Performance Evaluation of Gas Tunnel Type Plasma Sprayed Graded YSZ-La2Zr2O7 Composite Coatings in Molten Salt Environment	S. Yugeswaran, A. Kobayashi, G. Shanmugavelayutham, P.V. Ananthapadmanabhan
			IP26			

			IP27	ORAL	Microwave Plasma Deposition of Carbon Nanotubes on Metal	Rajib Kar, Naresh Chand, AK Das, DS Patil
			IP28	POSTER	Formation and Sliding Wear Behaviour of Plasma Sprayed Ti3Al Intermetallic Compound	K. Suresh, S. Yugeswaran, K.P. Rao, A. Kobayashi, P.V. Ananthapadmanabhan
			IP29	POSTER	Preparation And Characterization Of Proton Conducting Sulfonated Polystyrene Membrane For Fuel Cell By Plasma Process.	Bhabesh Kr. Nath, Arup R. Pal and Joyanti Chutia
			IP30	POSTER	Bio-adoptability for Ion-Plasma Treated Polymer Nano Composites Membrane	Narendra Kumar Agrawal, K. Awasthi, Y. K. Vijay, K. C. Swami
			IP31	POSTER	Plasma opening switch based axial VIRCATOR	Rajesh Kumar, Jignesh Patel, Safi Ansari and A. Shyam
			IP32	POSTER	Surface Morphology and Barrier Properties of Plasma Processed Biodegradable Polymer (CSPCL) Films	G. A. Arolkar and R. R. Deshmukh
			IP33	POSTER	PIC Simulation of Pseudospark Hollow Cathode Plasma Electron Gun	J. Prajapati, U.N. Pal, D.K.Verma, N. Kumar, Ram Prakash and V.Srivastava
			IP34	POSTER	Unbalanced Magnetron Sputtered SnO2 and SnO2-CuO Thin Films for Trace-level level H2S Gas Sensing	Pawan Kumar, Subhash Kumar, Arijit Chowdhuri
			IP35	ORAL	A Simple Crowbar Switch For Pulsed Power Applications	A. K. Saxena, A. M. Rawool, and T.C. Kaushik
			IP36	POSTER	RF plasma deposition and characterization of Y2O3 thin films at different self bias levels	S.S. Chopade, S.A. Barve, N. Chand, M.N. Deo, A. Biswas, S. Rai, G.S. Lodha, K.H. Thulasi Raman, G.M. Rao, D.S. Patil
			IP37	POSTER	Fabrication of Nanocomposite Coating using a Hybridized Sputtering-Cluster Gun Deposition System	D. Bharathi Mohan
			IP38	ORAL	Inductively coupled plasma for generating high intensity proton beam	Ranjini Menon, P Y Nabhiraj, R K Bhandari
			IP39	POSTER	Activities of Plasma based micromachining system in VECC	Ranjini Menon, P Y Nabhiraj, R K Bhandari
			IP40	POSTER	Investigation of Strain in Ti Film Grown on Patterned Substrate	B. Rajagopalan, M. Ranjan*, R. Rane, N. Chauhan, P. Rajjada, P. M. Raole , S. Mukherjee

			IP41	POSTER	High Speed Voltage Ramp And Data Acquisition Circuits For Langmuir Probe Measurements In Radio Frequency Plasma	N. V. Joshy, Johnney Isaac , M. K. Jayaraj
			IP42	POSTER	Thermally Assisted Etching Of ZnSe With ECR Plasma Under CCl ₂ F ₂ /Ar Discharge.	K.P.Tiwary, M. Husain,
			IP43	POSTER	Production of Hydrogen from Hydrogen Sulfide in a Catalytic Non-thermal Plasma DBD Reactor	E. Linga Reddy, B. Ramaraju, P. Manoj Kumar Reddy and Ch. Subrahmanyam
			IP44	POSTER	Green and Eco-Friendly Approach to Wastewater Treatment	P. Manoj Kumar Reddy, K. Krushna Murty and Ch. Subrahmanyam
			IP45	POSTER	Response Of Tungsten Material To Fusion Grade Plasma	Ram Niranjana, R. K. Rout, Rohit Srivastava, D. Joseph, Nishant N. Patel and Satish C. Gupta
			IP47	POSTER	Calcium Modified Li ₂ TiO ₃ for breeder blanket reactor	Sona Kumari, P.M.Raole, S.K.Sinha
			IP48	POSTER	Sputter pressure influenced structural, morphological and optical properties of magnetron sputtered MoO ₃ films	S. Subbarayudu, V. Madhavi and S. Uthanna
			IP49	POSTER	Nonthermal plasma for energy and environmental applications	Ch.Subrahmanyam
			IP50	POSTER	Phase Structure And Particle Size Of Nano-Crystalline Titanium Dioxide Powder Synthesized By Reactive Plasma Processing	M. Vijaya, P. V. Ananthapadmanabhan
			IP52	POSTER	Surface effects by glow discharge plasma on surface properties of polyvinyl alcohol film	S.Inbakumar and A.Anukaliani
			IP53	POSTER	Surface effects by glow discharge plasma on surface properties of polyvinyl alcohol film	S.Inbakumar and A.Anukaliani
			IP54	POSTER	Surface Modification of Toughened Polymeric Hydrogels for Biomedical Applications	Tapasi Kotoky, N.K. Neog
			IP55	POSTER	The Effect Of Substrate Biasing On The Growth Of Tin Thin Film On Pre Nitrided Aisi M2 High Speed Steel	P.Saikia, B.K. Saikia
			IP56	POSTER	Surface Modification Of Toughened Polymeric Hydrogels For Biomedical Applications	Tapasi Kotoky and N.K. Neog

			IP57	POSTER	Studies on Synthesis of Carbon Encapsulated Iron Nanoparticles by Supersonic Thermal Plasma Expansion Technique	N. Aomoa and M. Kakati
			IP58	POSTER	Improvement of surface and antibacterial properties of PET/TiO2 films using low pressure RF glow discharge oxygen plasma	K.N.Pandiyaraj1*, B.Shree Ram2, C.P.Yoganand1, Gauree Arolkar3, R.R.Deshmukh3, V.Uthayakumar4
			IP59	POSTER	Biocompatibility of metal (silver and titanium) containing diamond like carbon (DLC) on flexible PET film surface by hybrid reactive sputtering technique	K.Navaneetha Pandiyaraj , C.P.Yoganand, B.Shree Ram
			IP60	POSTER	Plasma Diagnostics Of Reverse Polarity Planar Magnetron	S. Chauhan, M. Ranjan, S. Mukherjee
			IP61	POSTER	Dual Frequency Discharges: A potential tool for Large Area Plasma Processing	Anurag Mishra, Tae Hyung Kim, Kyong Nam Kim and Geun Young Yeom
			IP62	POSTER	Temporal evolution of plasma potential in a 60 MHz / 2MHz pulsed dual frequency capacitively coupled discharge	Anurag Mishra, Min Hwan Jeon, Kyong Nam Kim1and Geun Young Yeom
			IP63	POSTER	Discharge Current Noise Characteristics in Non-thermal Plasma Reformers of Hydrocarbons	Arun K. Sarma, Supin Gopi and Bornali Sarma
			IP64	POSTER	Phase depth distribution study of nitrided layer in the mirror polished plasma nitrided AISI304 stainless steel using XRD characterization	Prince Alex, Alphonsa , Suraj kumar Sinha, S.Mukherjee
			IP65	POSTER	Synthesis of Nanostructured Iron oxide Particles by Plasma Process and Study of their Magnetic Properties	Priti Gupta, Anita Yadav, D. Gioacchino, Balasubramanian C
			LASER PLASMA APPLICATIONS (LP)			
			LP01=AO34	POSTER	Design of twin core nonlinear photonic crystal fiber for the all optical coupling and switching applications	T. Uthayakumar, Vasantha Jayakantha Raja, K.Nithyanandan, and K.Porsezian
			LP02	POSTER	Stochastic Acceleration	Vikram Sagar Sudip Sengupta P.k.Kaw
			LP03	POSTER	The effect of plasma channel on the self-distortion of laser pulse propagating through the collisional plasma channel	Navpreet Singh and Arvinder Singh
			LP04	POSTER	The effect of plasma channel on the self-distortion of laser pulse propagating through the collisional plasma channel	Navpreet Singh and Arvinder Singh

			LP05	POSTER		
			LP06	POSTER	Effect of Laser Intensity on the Spatial Coherence of High Order Harmonic Radiation Generated from Plasma Plume	M. Kumar, H. Singhal, J. A. Chakera, P. A. Naik, S. Sendhil Raja, and P. D. Gupta
			LP07	POSTER	Measurement of the Coherence of a Soft X-ray Laser by Interferometry	S. Barnwal, Y.B.S.R. Prasad, S. Nigam, K. Aneesh, P.A. Naik, J.A. Chakera, M.L. Sharma, C.P. Navathe, and P.D. Gupta
			LP08	POSTER	Excitation of Electron Plasma Wave by Cross Focusing of Two Intense Laser Beams in Nonparaxial Region: Relativistic Ponderomotive Regime	Gunjan Purohit and Priyanka
			LP09	ORAL	Studies of Light Absorption, Energy Transfer and Plasma Dynamics Processes in Laser Irradiated Low Density Foams and Comparison with Solid Target	S. Chaurasia, N. G. Borisenko, P. Leshma, A. Orekhov, A. I. Gromov, Yu. A. Merkuliev, V.G. Pimenov, E.E. Sheveleva, D. S. Munda
			LP10	POSTER	Propagation of Intense Laser Beam Through Density Profiles Plasma for Inertial Confinement Fusion	Sonu Sen, Megha Sen Sharma, Sanjay Asthana and Meenu Asthana Varshney
			LP11			
			LP12			
			LP13			
			LP14	POSTER	Optical Guiding of Circularly Polarized Laser Beam through Axially Inhomogeneous Magnetized Plasma	Sonu Sen, Megha Sen Sharma, Sanjay Asthana, Meenu Asthana Varshney and Dinesh Varshney
			LP16	POSTER	Relativistic Ponderomotive Cross-Focusing Of Two Electromagnetic Beams In An Inhomogeneous Plasmas	Akhilesh Dubey and Shikha Dubey
			LP17	POSTER	Stimulated Brillouin Scattering of gaussian laser beam in Collisionless Magnetoplasma	Keshav Walia and Arvinder Singh
			LP18	POSTER	Self Consistent model for ponderomotive ion acceleration of laser irradiated thick target plasmas	Ujjwal Sinha
			LP19	POSTER	Effect of Impactor Material and Thickness on Impact Driven Shock in Al foil	P. Leshma, S. Chaurasia

			LP20	POSTER	Relativistic self-focusing of super-Gaussian laser beam in a plasma with transverse magnetic field	Tars Ranju Mahajan, Tarsem Singh Gill and Ravinder Kaur
			LP22	POSTER	Relativistic Interaction Of Laser Beam In Magnetized Plasmas	Khalid Ahmed Qureshi
			LP23	POSTER	Transverse Emittance Measurement Studies of a Deuteron Ion Source Beam	Jose V. Mathew, S. V. L. S. Rao, Rajni Pande and P. Singh
			LP24	POSTER	Stimulated Raman Scattering of a Circularly Polarized Laser Beam in Magnetized Plasma	Prateek Varshney*, Vivek Sajal and Ravindra Kumar
			LP25	POSTER	Measurement of the Coherence of a Soft X-ray Laser by Interferometry	. Barnwal, Y.B.S.R. Prasad, S. Nigam, K. Aneesh, P.A. Naik, J.A. Chakera, M.L. Sharma, C.P. Navathe, and P.D. Gupta
			LP26	POSTER	Laser Wake-field Acceleration in Laser Produced Plasma Plume Target	B. S. Rao, A. Moorti, J. A. Chakera, P. A. Naik, and P. D. Gupta
			LP27	POSTER	Effect of Laser Intensity on the Spatial Coherence of High Order Harmonic Radiation Generated from Plasma Plume	M. Kumar, H. Singhal, J. A. Chakera, P. A. Naik, S. Sendhil Raja, and P. D. Gupta
			LP28	ORAL	Study Of Gold Plasma Using Laser Induced Breakdown Spectroscopy	C.K.Deepthy*, Sony George, V.P.N. Nampoori, P. Radhakrishnan
			LP29	POSTER	OBSERVATION OF WHITE LIGHT LASER VIA MODULATIONAL INSTABILITY IN SATURABLE NONLINEAR MEDIA	K. Nithyanandan,a R. Vasantha Jayakantha Raja,b T. Uthayakumar,a and K. Porsezian,a
			NUCLEAR FUSION (NF)			
			NF01	POSTER	Design of Magnetic Focusing System for 0.26 THz Sheet Beam Traveling Wave Tube	Purna Chandra Panda, Vishnu Srivastava, Anil Vohra
			NF02	ORAL	Design of 84 GHz, 500 kW Gyrotron for ECRH Application	Udaybir Singh, Nitin Kumar, Anil Kumar, R R Rao and A K Sinha
			NF03	POSTER	Design Study of 170 GHz, 1 MW Gyrotron for Electron Cyclotron Resonance Heating in Plasma Fusion	Nitin Kumar, Anil Kumar, Udaybir Singh, Ranajoy Bhattacharya, R R Rao and A K Sinha
			NF04	POSTER	Non-Linear Design Code for Gyrotron Oscillators	Anil Kumar, Nitin Kumar, Udaybir Singh, R R Rao and A K Sinha

			NF05	POSTER	Indegenious Development of Compact Neutron Generator	Basanta Kumar Das, Rashmita Das and Anurag Shyam
			NF06	POSTER	Molybdenum Limiter for Aditya Tokamak	S. B. Bhatt, K. A. Jadeja, Prabal Chattopadhyay, K. A. Acharya, J. Ghosh, R. L. Tanna, T. A. Purabia, P. M. Chavda and Aditya Team
			NF07	POSTER	Advanced Applications of Inductive Discharges in Nuclear Fusion Research	Manash Kumar Paul, Dhiraj Bora, A. Lyssoivan, R. Koch, T. Wauters, D. Van Eester, J. Ongena, V. Philipps, D. Douai, V. Rohde, J.-M. Noterdaeme, M. Graham, M.-L. Mayoral, I. Monakhov
			NF08	POSTER	Analysis and Simulation of AC to DC Converter with Improved Power Quality for an application of a “Discharge Power Supply”	Nigam Prajapati, Vijay Vadher and Paresh Patel
			NF09	POSTER	A Comparative Study of Ion Trajectories Between a Two and Three Electrode System of a Positive Ion Source	Bhargav, V. Prahlad, S K Sharma
			NF10	POSTER	Effect of 30keV Deuterium Ion Beam onto Pulsed Laser Deposited Rh/W/Cu Multilayer	A.T. T. Mostako, Alikha Khare, C. V. S. Rao, Sudhirsinh Vala, R. J. Makwana and T. K. Basu
			NF11	POSTER	Design and Development of State Machine for Central Control System (CCS) of SST-1	Manisha Bhandarkar, Harish Masand, Jasraj Dhongde , Aveg kumar, Kirit Patel, , Hitesh Chudasama, Hareesh Dave and S. Pradhan
			NF12	POSTER		
			NF13	POSTER	Conceptual Evaluation of Digital Integration using DSP for SST-1 Plasma Position Control System	Kirit Patel, J. Dhongde, D. Raju,H. Chudasma, A. Chauhan, H. Masand, M. Bhandarkar, H. Dave,S. Pradhan
			NF14	POSTER	Simulation studies on charge particle orbits in a cylindrical multi-cusp ion source designed for diagnostic neutral beam	S.K. Sharma, Deepak Aggarwal, V. Prahlad, B. Choksi and U.K. Baruah
			NF15	POSTER	Development Of Hydrogen Isotopes Recovery System Using Gas Adsorption Method For Tritium Extraction System Of LLCB-TBM	V. Gayathri Devi, Amit Sircar, B. Sarkar, Rudreksh B. Patel
			NF16	POSTER	Permeation Calculations for A Hydrogen Isotopes Sensor in Liquid Lead-Lithium	Amit Sircar, S.K. Sharma, Rudreksh B. Patel, V. Gayathri Devi & E.Rajendra Kumar
			NF17	POSTER	Temperature data monitoring and logging in LabVIEW for K-type Thermocouple using ADuC842 microcontroller and AD595AQ IC	Yogesh G. Yeole, S. Pradhan, Piyush Raj, Deven Kanabar, Moni Banauda, Bhadresh Parghi and Magnet Prototype Group.

			NF18	POSTER	Preparation Of High Power CW Klystron Test Bed	P. K. Sharma1, K. K. Ambulkar, S. Dalakoti, N. Rajan Babu, P. R. Parmar, C. G. Virani, A. L. Thakur.
			NF19	POSTER	Klystron Operation At Rated Power With Regulated High Voltage Power Supply	P. K. Sharma1, Paresh Patel, K. K. Ambulkar, S. Dalakoti, N. Rajan Babu, P. R. Parmar, C. G. Virani, A. L. Thakur, C.B. Sumod, Dipal Thakkar, L.N. Gupta, V.B.Patel, V. Vadher, L.K.Bansal, K. Qureishi, U.K.Baruah
			NF20	POSTER	Data Acquisition For Long Pulse High Power Operation Of Klystron Test Bed	P. K. Sharma1, K. K. Ambulkar, C. G. Virani.
			NF21	POSTER	ARC Detection And RF Inter-Lock For High Power Operation Of CW Klystron Test Bed	C. G. Virani1, K. K. Ambulkar, A. L. Thakur, M. Patel, H. Chauhan, P. K. Sharma
			NF22	POSTER	Testing Of Water Dummy Load For Cw High Power RF	K. K. Ambulkar1, P. K. Sharma, S. Dalakoti, N. Rajan Babu, P. R. Parmar, C. G. Virani, A. L. Thakur.
			NF22	POSTER	High Power CW Testing Of RF Water Load	K. K. Ambulkar1, P. K. Sharma, S. Dalakoti, N. Rajan Babu, P. R. Parmar, C. G. Virani, A. L. Thakur.
			NF24	POSTER	Temporal measurement of ion flux emitted at different filling gas pressures in a 4.8 kJ Mather type Plasma Focus device	Jigyasa Batra, Ram Niranjana, Rohit Srivastava, Ashutosh Jaiswar, R.K Rout, T.C Kaushik, A. M Rawool, S.C Gupta
			NF25	POSTER	INTERFACING OF VME BASED OHMIC AND VF POWER SUPPLY CONTROL SYSTEM WITH SST-1 CENTRAL CONTROL SYSTEM	Aveg Kumar, Jasraj Dhongde, Harish Masand, Manisha Bhandarkar, Kirit Patel, Hitesh Chudasama, Haresh Dave, S. Pradhan
			NF26			
			NF27	POSTER	Design of the Thermal Shielding & Routing of cryoline for cryopumps of SST-1 Neutral Beam Injection System	Bhargav Pandya, A. K. Sahu, V. Prahlad, U. K. Baruah
			NF28	POSTER	Ion implantation and neutron irradiation study using 11.5 kJ plasma focus device	Ram Niranjana, R. K. Rout, Rohit Srivastava, D. K. Aswal, M. Goswami, D. Joseph and Satish C. Gupta
			NF29	POSTER	Sequence Detection and Display Electronics card for the analysis of Fault sequence in the RF-ICRH system	Manoj Singh , HM Jadav, Ramesh Joshi, SV Kulkarni and RF-ICRH group
			NF30			

			NF31	POSTER	Electronics for Quench Detection System of SST-1 TF Magnets	Yohan Khristi, Kalpesh Doshi, A.N.Sharma, Upendra Prasad, Moni, Pankaj Varmora, Dipak Patel & Subrata Pradhan*
			NF32	POSTER	Validation results of VME based Magnet Data Acquisition System for SST-1	K. Doshi, H. Masand, Y. Khristi, J. Dhongde, A. Sharma, B. Parghi, P. Varmora, U. Prasad, D. Patel and S. Pradhan
			NF33	POSTER	VALIDATION OF VARIOUS SUBSYSTEMS OF UPGRADED SST-1 CENTRAL	Harish Masand, Aveg Kumar, Manisha Bhandarkar, Jasraj Dhongde, Hitesh Chudasama, Kirit Patel, H. Dave and
			NF34	POSTER	Design And Development Of Prototype Of FPGA Based 8 Channel	Jignesh Sonia, R. Patelc, T. Vasoyac, R.K. Yadavb, A. Patela, H. Mistrya, A. Gahlauta,
			NF35	POSTER	Recent Improvements Of The Cryogenic Components Of The Neutral Beam Injection System	A. K. Sahu, B. Pandya, V. B. Patel, L. K. Bansal, S. K. Sharma, Ch. Chakrapani, B. Choksi, N. Contractor, S.
			NF36	POSTER	Assembly And Test Results Of The Accelerator System For ROBIN At IPR	K.Pandya, G.Bansal, M.J.Singh, A.Phukan, M.Bandyopadhyay, R.Pandey A.Gahlaut, K.G.Parmar, B.Prajapati, J.Soni,
			NF37	POSTER	Low cost Capacitor Bank for the Electromagnet of Compact Plasma	Samantaray, 2R Paikaray, G Sahoo, 2D C Patra, N Sasini, 3J Ghosh, 3R Ganesh, and A K Sanyasi
			NF38	POSTER	On the spectroscopic diagnostics of atmospheric gas plasma blob	G Sahoo, R Paikaray, S Samantaray, D C Patra, 1N Sasini, J Ghosh, 4R Ganesh, and A K Sanyasi
			NF39			
			NF40	POSTER	Conceptual design of a pellet injection system for the plasma fuelling applications	Jyoti Shankar Mishra, Ranjana Gangradey
			NF41	POSTER	Conceptual Design Of Filament Heating And Bias Power Supplies Scheme For Electron Seeding In A Two RF Driver Based Negative Ion Source	K G Parmar, D Parmar, A Gahlaut, V Mahesh, B Prajapati, M Chauhan, J Soni, R K Yadav,
			NF42	POSTER	Recent Technologies For Superconducting Magnets of SST-1	Upendra Prasad, A.N.Sharma, Dipak Patel, K. Doshi, Y. Khristi, P. Varmora, S.J Jadeja, P. Gupta and S. Pradhan
			NF43	POSTER	Detection of 4He Generated During the Reaction of 3He (3He, 2p) 4He in a Plasma Focus Device using Lexan Solid State Nuclear Track Detector	Ram Nirranjan, R. V. Kolekar, R.K. Rout, Rohit Srivastava and Satish C. Gupta

			NF44	POSTER	Integration of “Regulated High Voltage Power Source” (RHVPS) with LHCD System of SST-1	Paresh Patel, P. K. Sharma, C.B. Sumod, Dipal Thakkar, L. N. Gupta, V. B. Patel, V. Vadher, L. K. Bansal, K. Qureishi, K. K. Ambulkar, S. Dalakoti, N. Rajan Babu, P. R. Parmar, C. G. Virani, A. L. Thakur and U. K. Baruah
			NF45	POSTER	Design, development and testing of "Switching power modules": An essential part of a "Regulated high voltage power supplies" utilized for NB and RF heating systems for SST-1	Sumod C.B., Paresh Patel, D. P. Thakkar, L. N. Gupta, V. B. Patel, V. Vadher, L. K. Bansal, K. Qureshi, , and U.K. Baruah
			NF46	POSTER	Data Acquisition and Control System for 82.6 GHz , 200kW Gyrotron based ECRH System on SST-1	Jatinkumar Patel * , Harshita Patel, N. Rajnababu, Pragnesh Dhorajiya, K. Sathyanarayn, B.K. Shukla and ECRH Division
			NF47	POSTER	Analysis and Simulation of AC to DC Converter with Improved Power Quality for an application of a “Discharge PowerECRH System on SST-1 Supply”	Nigam Prajapati, Vijay Vadher and Paresh Patel
			NF48	POSTER	Design, Development, Installation and Performance testing of Pulsed Localized Vertical Magnetic Field (LVF) Coils for runaway extraction in ADITYA tokamak discharges	R.L.Tanna, J.Ghosh, P.K. Chattopadhyay, M.B.Kalal, D.S.Varia, Pintu kumar, Vaibhav Ranjan,A.Amardas, V.K.Panchal, R.Jha and the ADITYA Team
			NF49	POSTER	Comprehensive Studies on Thickness Measurement of Gold Thin Film Using RBS Method	A.Charles, S. Mohana priya and S. K. Srivastava
			NF50	POSTER	A Computational Parametric Study on Effect of Non-Thermal Electrons on Temperature Measurement Using ECE for ITER	Nikita Chhetri, Trupti Sharma, Hitesh Kumar, B. Pandya, P. Vasu and P. V. Subhash
			NF51	POSTER	DAC SYSTEM SOFTWARE FOR FAST FERRITE TUNER OPERATION	Ramesh Joshi, H M Jadav, Manoj Parihar, B R Kadia, K M Parmar, A Varia, K Mishra, Y S S Srinivas, R A Yogi, A Gayatri, Raj Singh, Sunil Kumar & S.V. Kulkarni
			NF52	POSTER	DAC SYSTEM SOFTWARE FOR FAST FERRITE TUNER OPERATION	Ramesh Joshi, H M Jadav, Manoj Parihar, B R Kadia, K M Parmar, A Varia, K Mishra, Y S S Srinivas, R A Yogi, A Gayatri, Raj Singh, Sunil Kumar & S.V. Kulkarni
			NF53	POSTER	DAC SYSTEM SOFTWARE FOR FAST FERRITE TUNER OPERATION	Ramesh Joshi, H M Jadav, Manoj Parihar, B R Kadia, K M Parmar, A Varia, K Mishra, Y S S Srinivas, R A Yogi, A Gayatri, Raj Singh, Sunil Kumar & S.V. Kulkarni

			NF54	POSTER	PROTOTYPE OF ICRH DATA ACQUISITION AND CONTROL CLIENT SOFTWARE USING QT PROGRAMMING	Ramesh Joshi ¹ , H M Jadav, Manoj Parihar & S.V. Kulkarni
			NF55	POSTER	Conceptual Design for an Upgraded Version of "Control and Data Acquisition system for NBI Power supply	V. B. Patel, Paresh Patel, Dipal Thakkar, L. K. Bansal, Karishma Qureshi, Vijay Vadher, C. B. Sumod, L. N. Gupta,
			NF56	POSTER	Contingency Plan of LN2 Distribution Network for 80K Thermal Shields of SST 1	R. Panchal, GLN Srikanth, G. Mahesuriya, K. Patel, D. Sonara, V.L. Tanna and S. Pradhan
			NF57	POSTER	Implementation of SST-1 Cryogenics Sub-system Control Application and Network Architecture for Centralized Time Synchronized Data Acquisition	Rakesh Patel, Gaurang Mehsuriya, Vipul Tanna and S. Pradhan
			NF58	POSTER	Performance of Cryogenics system during Recent Cool-down campaign of SST-1	V.L. Tanna, N.C. Gupta, J.C. Patel, J. Tank, P. Panchal, D. Sonara, R. Panchal, R. Patel, G. Mahesuriya, GLN Srikanth, A. Garg, D. Christian, N. Bairagi, R. Sharma, K. Patel, H. Nimavat, P. Shah and S. Pradhan
			NF59	POSTER	Cool-down results of 80 K Thermal shields system for SST 1	D. Sonara, H. Nimavat, R. Patel, G. Mahesuriya, R. Panchal, V.L. Tanna and S. Pradhan
			NF60	POSTER	Integrated distribution network for SST-1 Liquid Nitrogen service	GLN Srikanth, M. K. Gupta, K. Patel, N. Bairagi, R. Sharma, P. Shah, V.L. Tanna and S. Pradhan
			NF61	POSTER	Design and development of water-cooled dummy load for 12 kA, 16 V power supply test at IPR	P. Panchal, D. Christian, R. Panchal, D. Sonara, V. Tanna and S. Pradhan
			NF62	POSTER	Maintenance Experience On Utility Power Distribution	A R Chavada, V Balakrishnan, H D Parekh
			NF63	POSTER	Simulation of Eddy Currents in SST-1 startup using FEM	A. Amardas
			NF64	POSTER	Studies For The Optimization Of Braze PFC Using Coupon Based Samples	K.P Singh ¹ , S.S Khirwadkar ¹ , M.S Khan ¹ , Sunil Belsare ¹ , Alpesh Patel ¹ , Shailesh Kanpara ¹ , Prakash Mokariya ¹ , Nikunj Patel ¹ , Ameer Patel ² , Kush Shah ²
			NF65	POSTER	LOCA and LOFA analysis for Indian LLCB TBM for ITER	Paritosh Chaudhuri ⁽¹⁾ , Vilas Chaudhari, Chandan Danani and E. Rajendra Kumar
			NF66	POSTER	Simulation of High Power Microwave Source – a Vircator for SYMPLE	Priyavandna J. Rathod, Rajesh Kumar, Anitha V. P. and A. Shyam

			NF67	POSTER	Electronic Database Code Upgradation For ADITYA Experiments	V.K.Panchal, R.L.Tanna, R.P.Bhattacharya, D.Chenna Reddy, R.Jha, P.K.Chattopadhyay, Joydeep Ghosh and ADITYA Team
			NF68	POSTER	Langmuir Probe Diagnostic Electronics For SYMPLE (System For Microwave Plasma Experiments)	Jignesh Kumar J Patel, Pramila Gautam, Praveena Kumari, Praveenlal E.V., Rachana Rajpal, V. P. Anitha, Y. C. Saxena and R. Jha
			NF69	POSTER	Study of Helium Glow Discharge Cleaning in ADITYA Tokamak	K.A. Jadeja, S.B. Bhatt, K.S. Acharya, T.P. Purabia, P.M. Chavda, R.L. Tanna, J. Ghosh, P. K. Chattopadhyay, D. Raju, R. Jha, Y. C. Saxena and ADITYA Team
			NF70	POSTER	Simulation of Wire-Burn Test On 30kV, 600kW DC Power Supply for High Power RF Generators Using Tetrodes	Y.S.S.Srinivas, Hemal Kansagara*, K.M. Parmar, B.R.Kadia, S.V Kulkarni and ICRH Division
			NF71	POSTER	Development and performance testing of resistances for 2-turns correction coil operation during helicity experiment in ADITYA tokamak discharges	D.S.Varia, R.L.Tanna, M.B.Kalal, Pintu kumar, Deepak Sangwan, Dasrath Sonara, J.Ghosh, P.K. Chattopadhyay, R.Jha and the ADITYA Team
			NF72	POSTER	Conceptual Design of ITER-India Gyrotron Test facility (IIGTF)	Mahesh Kushwah1, S.L.Rao, Vipal Rathod, Gaurav Joshi, Ronak Shah,Anjali Sharma, Deepak Mandge and Tarun Sharma
			NF73	POSTER	Implementation of Sequence Control System for ITER-India Gyrotron Test Facility (IIGTF)	Deepak Mandge1, Vipal Rathod, Ronak Shah, S.L.Rao, Mahesh Kushwah, Anjali Sharma, Gaurav Joshi and Tarun Sharma
			NF74	POSTER	Remote Frequency Measurement of 170GHz Gyrotron system for ITER-India Gyrotron Test Facility (IIGTF)	Deepak Mandge1, Vipal Rathod, Ronak Shah, S.L.Rao, Mahesh Kushwah, Anjali Sharma, Gaurav Joshi and Tarun Sharma
			NF75	POSTER	Hardwired Interlock and Protection module for ITER-India Gyrotron Test Facility (IIGTF)	Vipal Rathod1, S.L.Rao, Mahesh Kushwah, Ronak Shah, Deepak Mandge, Anjali Sharma, Gaurav Joshi and Tarun Sharma
			NF76	POSTER	Analog Fiber Optical Transmission Link based on Direct Intensity Modulation (DIM) Technique for ITER-India Gyrotron Test Facility (IIGTF)	Vipal Rathod ¹ , Mahesh Kushwah, Deepak Mandge, Dinkal Gohel, S.L.Rao, Ronak Shah, Anjali Sharma, Gaurav Joshi and Tarun Sharma
			NF77	POSTER	Thermal Management of 3MW 12 Inch Radio Frequency Rigid Transmission Line	P. Ajesh1, Rohit Anand, Aparajita Mukherjee, JVS Hari, Raghuraj Singh, Gajendra Suthar, R.G. Trivedi Kumar Rajnish, Harsha Machchhar, Dipal Soni, Manoj Patel

			NF78	POSTER	Status of ITER Ion Cyclotron Heating and Current Drive Source Package	Aparajita Mukherjee, R.G. Trivedi, Raghuraj Singh, Kumar Rajnish, Harsha Machchhar, Ajesh P., Gajendra Suthar, Dipal Patadia, Manoj Patel, Kartik Mohan, JVS Hari
			NF79	POSTER	Design of High Power Co-axial Transmission Line for Ion Cyclotron System	Harsha Machchhar, R.G. Trivedi, Raghuraj Singh, Kumar Rajnish, JVS Hari, P. Ajesh, Gajendr Suthar, Manoj Patel, Dipal Soni, Kartik Mohan and Aparajita Mukherjee
			NF80	POSTER	TRAVELING WAVE RESONATOR FOR ICH&CD COMPONENT TEST	JVS Hari Krishna1, Akhil Jha, Aparajita Mukherjee, Raghuraj Singh, P. Ajesh, Gajendra Suthar, Manoj Patel, R.G. Trivedi, Kumar Rajnish, Harsha Machchhar, Dipal Soni
			NF81	POSTER	Anode Power Supply Design for Pre-Driver RF Amplifier	Kartik Mohan1, Gajendra Suthar, Aparajita Mukherjee, JVS Hari, Raghuraj Singh, P Ajesh, R.G. Trivedi, Kumar Rajnish, Harsha Machchhar, Dipal Soni, Manoj Patel
			NF82	POSTER	Development of Prototype Solid State Amplifier for ICH RF Power Source	Manoj Patel1, JVS Hari, Raghuraj Singh, R.G. Trivedi, Kumar Rajnish, Harsha Machchhar, P Ajesh, Dipal Soni, Gajendra Suthar, Kartik Mohan, Aparajita Mukherjee
			NF83	POSTER	Initial Integrated Test of Pre-Driver Amplifier for ITER Ion Cyclotron System	Raghuraj Singh1, R.G. Trivedi, Kumar Rajnish, Harsha Machchhar, Gajendra Suthar, Manoj Patel, JVS Hari, P. Ajesh, Dipal Soni, Kartik Mohan and Aparajita Mukherjee
			NF84	POSTER	Design and development of integer fringe counter circuit for real-time plasma density measurement in AdityaTokamak	Praveenlal E. V., Praveena Kumari, P. K. Atrey, RachanaRajpal, Hitesh Mandaliya, Varsha, Umesh Dhobi and S.K. Pathak
			NF85	POSTER	Development of PLC and SCADA Application for SST-1 80 K Control Systems	G. Mahesuria, R. Patel, R. Panchal, P. Panchal, D.Sonara, V.L.Tanna and S. Pradhan
			NF86	POSTER	Welding Activities for Superconducting Magnets Systems of SST-1	(S.J.Jadeja, U.Prasad, A.N.Sharma, D.Patel, P.Gupta, Magnet Division and S.Pradhan)
			NF87	POSTER	Preliminary Fusion Reactor Performance Analysis For The Radial Build-up Of Reactor Components	Chandan Danani, B J Saikia, Vinay Menon, J Agrawal, A N Sharma, Upendra Prasad, M Stephan, Naveen Rastogi, R Pragash, E Rajendra Kumar, S Pradhan, S Khirwadkar, R Gangradey, R Srinivasan, S P

						Deshpande, and P K Kaw
			NF88	POSTER	Fault detection and repairing for the Insulation breakdown of TF coil No. 2 and Trouble shooting for Inductance and resistance of TF coils in ADITYA Tokamak	M.B.Kalal, D.S.Varia, R.L.Tanna, Pintu kumar, Deepak Sangwan, J.Ghosh, P.K. Chattopadhyay, R.Jha and the ADITYA Team
			SPACE AND ATMOSPHERIC PLASMA (SA)			
			SA01		Solitons In Warm Magnetoplasmas	R.Goswami, B.Choudhury, M.P.Bora
			SA02	ORAL	Plasma Waves in our Solar System	Vipin K Yadav, R Satheesh Thampi, and Anil Bhardwaj
			SA03	POSTER	Spiky Solitary Waves In Electron-Ion-Positron Plasma	Sailendra Nath Paul, Sankar Chattopdhyay and Indrani Paul
			SA04	POSTER	On The Safety of Satellites From High Energy Particles In The Ionosphere	U P SINGH and D P SINGH
			SA05	POSTER	Kinetic effects of small-scale Alfven waves in the presence of ion and electron beam	J. shrivastava & G. Shrivastava
			SA06	POSTER	Ion-Acoustic Double- Layers In An Electron-Ion Positron Plasma With Nonthermal Electrons	C.Das, I.Paul, B.Ghosh and S.N.Paul
			SA07	POSTER	IMPROVED CCW PREDICTIONS DESCRIBING ISOTHERMAL MOTION OF HYDROMAGNETIC CYLINDRICAL SHOCK WAVES IN SELF GRAVITATING ROTATING GAS	M.K. RANA, S. KUMAR AND R.P. YADAV
			SA08	POSTER	Plasmaspheric Wave Research	Ashok Kumar Singh

			SA09	POSTER	Magnetospheric Plasma Parameters Deduces from Analysis of Multiple-Whistlers Detected by Automatic Whistler Detector (AWD) at Low Latitude Varanasi.	S. B. Singh, Ashutosh Kumar Singh and A. K. Singh
			SA10	POSTER	Characteristic of Ionospheric Plasma Bubbles using GPS based Measurements at Varanasi	A. K. Singh, S.B. Singh and Sanjay Kumar
			SA11	POSTER	Effect of viscosity on the Rayleigh-Taylor instability of two superposed incompressible fluids in the porous medium.	P.K.Sharma
			SA12	POSTER	Quasi-periodic behavior of dust ion acoustic solitary waves in dense Fermi plasmas	Biswajit Sahu
			SA13	POSTER	Dispersion Characteristics of Kinetic Alfven Waves in a Multi ion Cometary Plasma.	Jayapal.R, Savithri Devi.E, Blesson Jose, S. Antony, C P Anilkumar and Chandu Venugopal.
			SA14	POSTER	Effect of Interplanetary parameters on geomagnetic storms 2011.	Sham Singh and A.P.Mishra
			SA15	POSTER	Initial Acceleration Of Fast Solar Wind Protons In The Lower Corona : Role Of Mode Conversions And Wave-Particle Interactions.	Visakh Kumar U L and P J Kurian
			SA16	POSTER	Linear Analysis of the Kelvin-Helmholtz Instability for Relativistic Anisotropic Magnetohydrodynamics	Subhash Kumar
			SA17	POSTER	Dispersion Characteristics of Kinetic Alfven Waves in a Multi ion Cometary Plasma	Jayapal R, Savithri Devi E, Blesson Jose, S Antony, C P Anilkumar and Chandu Venugopal
			SA18	POSTER	Dust Ion-Acoustic Double Layers In A Non-Maxwellian Plasma	Shalini and N.S.Saini
			SA19	POSTER	Electron Cyclotron Instabilities Driven By Ion Beams Perpendicular To The Magnetic Field	Noble P. Abraham, Samuel George, Anju Sreekumar, Aswathy V, Sreekala G and Chandu Venugopal
			SA20	POSTER	Stability of Electrostatic Ion Cyclotron Waves In A Multi-ion Plasma	Noble P. Abraham, Samuel George, Blesson Jose, C P Anilkumar and Chandu Venugopal
			SA21	POSTER	Small Amplitude Ion-Acoustic Solitons In A Plasma Containing Multi Temperatures Ions	B.S.Chahal,N.S.Saini & A.S.Bains
			SA22	POSTER	Developing Low Conductivity Plasma Sprayed Thermal Barrier Coating Using Solid Glass Micro-Spheres	Gaurav Gupta, Srimant Kumar Mishra, Sisir Mantry, Alok Satapathy

			SA23	POSTER	D-Region Ionospheric Plasma Electron Density During X-ray Solar Flares Evaluated From VLF Measurements	Ashutosh K. Singh, S.B. Singh and A. K. Singh
			SA24	POSTER	Zakharov-Kuznetsov (ZK) Equation For Electron-Acoustic Waves	N S Saini
			SA25	POSTER	IDENTIFICATION OF SOLAR FEATURES CAUSING GEOMAGNETIC STORM	Sujeet Kumar Mishra and D.P. Tiwari
			SA26	POSTER	The Study Of Solar Wind Plasma Signatures With Magnetic Cloud Events And Bi- Directional Electron Heat Flux Events	Sujeet Kumar Mishra and D.P. Tiwari
			SA27	POSTER	An Investigation Of Gravity-Induced Nonlinear Eigenmodes In Self-Gravitating Solar Plasma	P. K. Karmakar and B. Borah
			SA28	POSTER	Interaction of Solar Plasma near-earth with Reference to Geomagnetic Storms 2011	Sham Singh, Divya Shrivastava, Kalpana Singh and A.P.Mishra
			SA29	POSTER	Spiky Solitary Waves In Electron-Ion-Positron Plasma	Sailendra Nath Paul, Sankar Chattopdhyay, and Indrani Paul
			SA30	POSTER	Investigation of Super Geomagnetic Storm (20 Nov2003 event) with Reference to Solar and Interplanetary Drivers	S. R. Lahauriya, Subhash C. Kaushik and A. P. Mishra
			SA31	POSTER	Oxidation of Carbon Monoxide in the Gas phase by catalytic Dielectric Barrier Discharge System	B. Ramaraju, E. Linga Reddy, P. Manoj Kumar Reddy and Ch. Subrahmanyam
			SA32	POSTER	Optimization Study of Dielectric Barrier Discharge Plasma Cells for Efficient UV/VUV Emission	Anand Kumar Srivastava, Shashank Sharma and H. K. Dwivedi
			SA33	POSTER	Measurement of Electron Temperature and Electron Density in an Atmospheric Pressure Dielectric Barrier Discharge	R. Shrestha R. B. Tyata D. P. Subedi
			SA34	POSTER	Modeling of phase changes of hypo eutectoid steels	Suresh Akella, Mr. B Ramesh Kumar,
			SA35	POSTER	Nonlinear Waves in Magnetospheric Plasma with Temperature Anisotropy	Madhurjya P Bora
			SA36	POSTER	Electrostatic Ion Waves In A Magnetized, Collisional Multi-ion Plasma	Samuel George, Rajeev V. R., Neethu Theresa Wellington, R. Jayapal, S. Antony and Chandu Venugopal

			SA37	POSTER	Effects of Atmospheric Pressure Plasma Treatment and UV- Treatment on the Wettability	R. B. Tyata, R. Shrestha, D. Rimal, C. S. Wong, D. P. Subedi
			SA38=IP7	POSTER	Development of VUV/UV Excimer Source For Water Borne Germicidal Application	Pooja Gulati, U N Pal, Ram Prakash, M.Kumar1, N Kumar, W N Paunikar2, G L Bodhe and Vimal Vyas
			SA39	POSTER	Solitons In Warm Magnetoplasmas	R.Goswami, B.Choudhury, M.P.Bora
			SA40	POSTER	Ion-Acoustic Double- Layers In An Electron-Ion Positron Plasma With Non	C.Das, I.Paul, B.Ghosh and S.N.Paul
			SA41	POSTER	Characteristics of nighttime VLF/ELF emissions with frequency drift and estimation of the large-scale electric field from the frequency drift observed at a low latitude Indian ground station Jammu	M. Altaf and M. M. Ahmad
			SA42	ORAL	Nightglow Observations Of OI 630 nm Emission During The Ending Phase Of Solar Cycle 22	Archita Pandey, Navin Parihar and G. K. Mukherjee
			SA43	POSTER	Study of Whistler Mode Waves For Relativistic Subtracted Distribution Function in the Presence of Perpendicular AC Electric Field For Magnetosphere Of Uranus	R.S. Pandey, Rajbir Kaur, U.C. Srivastava
			SA44	POSTER	Unique whistler-triggered VLF/ELF emissions observed at low latitude station Jammu	M. M. Ahmad and M. Altaf
			PLASMA DIAGNOSTICS (PD)			
			PD01	POSTER	Bolometer Diagnostics for SST-1 Divertor: A Hardware Modification Perspective	Prabhat Kumar Sharma, Kumudni Tahiliani, P. Yuva Kiran and Ratneshwar Jha
			PD02	POSTER	Modified atomic spectral lines due to opacity useful for branching ratio technique in plasma spectroscopy	Jalaj Jain, Ram Prakash, Gheesa Lal Vyas, Yaduvendra Choyal, U. N. Pal and Rajana Manchandac.
			PD03	POSTER	Magnetic Measurements in tokamak SST-1	Daniel Raju, Sameer Kumar and Ratneshwar Jha
			PD04	POSTER	First Calibration Results of Time Of Flight Low Energy Analyser System for ADITYA	Kumar Ajay, Santosh P. Pandya, Snehlata Gupta, Priyanka Mishra, Hitesh Mehta and J. Govindarajan

			PD05	POSTER	Measurement of Electron Temperature and Electron Density in an Atmospheric Pressure Dielectric Barrier Discharge	R.Shrestha,R.B.Tyata,D.P.Subedi
			PD06	POSTER	Conceptual Design of Charge Exchange Recombination Spectroscopic Diagnostics on the SST-1 Tokamak	M. B. Chowdhuri et. al.
			PD07			
			PD08	ORAL	Determination of Electron Density in Laser Induced Molybdenum Plasma	A T T Mostako, G P Bharti, Kh Santakumar Singh, A K Sharma and Alika khare
			PD09	POSTER	Effect of 30keV Deuterium Ion Beam onto Pulsed Laser Deposited Rh/W/Cu Multilayer	A T T Mostako, Alika Khare, C V S Rao, Sudhirsinh Vala, R J Makwana and T K Basu
			PD10	POSTER	Electron Impact Ionization For Heavy Element Impurities In Plasmas	Tapasi Das, Lalita Sharma, Rajesh Srivastava
			PD11	POSTER	Determination of Electron Density in Laser Induced Molybdenum Plasma	A T T Mostako, G P Bharti, Kh Santakumar Singh, A K Sharma and Alika khare
			PD12	POSTER	Effect of Laser Fluence on Plasma Parameters and its Implication on PLD Thin Films of Ruby (Al ₂ O ₃ : Cr ³⁺)	Alika Khare
			PD13	POSTER	A comparative study of spatial distribution of plasma parameters along and perpendicular to plasma flow direction via planar Langmuir probe	Satchi Kumari and Alika Khare*
			PD14	POSTER	Spatial evolution of Laser Induced Graphite Plasma by Langmuir Probe	Indrajeet Kumar, Satchi Kumari and Alika Khare
			PD15	POSTER	Effect of Laser Fluence on Plasma Parameters and its Implication on PLD Thin Films of Ruby (Al ₂ O ₃ : Cr ³⁺)	Satchi Kumari and Alika Khare
			PD16	POSTER	A comparative study of spatial distribution of plasma parameters along and perpendicular to plasma flow direction via planar Langmuir probe	Satchi Kumari and Alika Khare
			PD17	POSTER	Design of a Retractable Bolometer System for Divertor-Bolometry Application in SST-1 Tokamak	Prabhat Kumar, Kumudni Tahiliani and Ratneshwar Jha
			PD18	POSTER	Design of a Retractable Bolometer System for Divertor-Bolometry Application in SST-1 Tokamak	Prabhat Kumar, Kumudni Tahiliani and Ratneshwar Jha

			PD19	POSTER	Spatial Evolution of Laser Induced Graphite Plasma by Langmuir Probe	Indrajeet Kumar, Satchi Kumari and Alika Khare
			PD20	POSTER	Laser Induced Breakdown of Poly methyl methacrylate (PMMA) in Air	Archana Kushwaha, Indrajeet Kumar and Alika Khare
			PD21	POSTER	Development, calibration and performance testing of the Infrared Imaging Video Bolometer for the SST-1 Tokamak	Zubin Shaikh, Shamsuddin Shaikh, Santosh P. Pandya, Shwetang Pandya and J. Govindarajan
			PD22	POSTER	Parametric study of total radiation power loss from the ADITYA Tokamak using Infrared Imaging Video Bolometer	Shamsuddin Shaikh, Santosh P. Pandya, Zubin Shaikh, Shwetang N. Pandya, J. Govindarajan and ADITYA Team
			PD23	POSTER	Signal Conditioning System for Neutral Beam Power Profile Analysis Of NBI (SST-1)	L. K. Bansal, P. J. Patel, K. Qureshi, V. B. Patel, L.N. Gupta, D. P. Thakkar, C. B. Sumod, V. Vadher and U.K. Baruah
			PD24	POSTER	comparision of Langmuir probe characteristic between argon and oxygen hollow cathode discharge plasma	Roopendra singh Rajawat, Dr. shantanu karkari
			PD25	POSTER	Polycapillary Optics for X-ray Diffraction Studies with Laser Produced Plasma X-ray Source	R. Rathore*, V. Arora, J. A. Chakera, S. K. Rai, H. S. Vora, P. A. Naik, and P. D. Gupta
			PD26	ORAL	A Novel Technique to obtain Surface Plasma Electron Density and Temperature of Semiconductor Surfaces Excited by Ultrashort Laser Pulses	U. Chakravarty*, P.A. Naik , J.A. Chakera and P.D. Gupta
			PD27	POSTER	Spectroscopy Data Management System based on Linux Server	Aniruddh Mali, M. B. Chowdhuri, R. Manchanda, N. Ramaiya, N. Chanchapara and J. Ghosh
			PD28	POSTER	Spectroscopic Studies of Aditya Tokamak Discharges During Electrode Biasing Experiments	Nilam Ramaiya, Pravesh Dhyani, Niraj Chanchapara, Aniruddh Mali, Ranjana Manchanda, M. B. Choudhari, J. Ghosh, R. Tanna, P. K. Chattopadhyay, S. B. Bhatt and Aditya team
			PD29	POSTER	A New Phenomenological Method For Obtaining Plasma Density Using Spectral Line-Ratio Technique	Sharvil Patel ¹ , J. Ghosh ²
			PD30	POSTER	Zero Bias Emission Current Characteristics of Graphite Material due to Laser Heating Used for Laser Heated Emissive Probe	P. Mehta ^{1, 2} , A.Sarma ¹ , J.Ghosh ² , A. Mali ² , R. Manchanda ² , Vara Prasad. K ² , N. Ramaiya ²
			PD31	POSTER	Plasma Diagnostics Of Reverse Polarity Planar Magnetron	S. Chauhan*, M. Ranjan, S. Mukherjee

			PD32	POSTER	Estimation of Aditya Soft X-ray Spectrum	Shishir Purohit, Malay Bikas Chowdhuri, J. Raval and Y. Shankara Joisa
			PD33	POSTER	Study Of Space Charge Transition During Titanium Nitride Thin Film Deposition By Magnetron Sputtering	Sankar Moni Borah