

9th December 2010

Session	Mode	No.	Date	Time	Title	Author
IP	Plenary	PL	9th Dec	09:00-09:50	Emerging Trends in Plasma Processing Technologies	A K Das
IP	Invited	I-1	9th Dec	09:50-10:20	Plasma Processing - Present Scenario And Future Directions	P M Raole
IP	Invited	I-2	9th Dec	10:20-10:50	Fundamentals And Applications of Dielectric Barrier Discharges	Suraj Kumar Sinha
IP	Oral	40	9th Dec	10:50-11:02	The Effect of Glow Discharge Plasma On The Surface Properties of Polycarbonate (Pc) Film	K.A. Vijayalakshmi, M.Mekala, C.P.Yoganand, K.Navaneetha Pandiyaraj
IP	Oral	24	9th Dec	11:02-11:14	Study of The Effect of The Metal Heating in The Production of Nano Powder Produced By Exploding Wire Discharge	Rashmita Das, Basanta Das, Rohit Shukla, Partha Banerjee, Surender Shrama, Pankaj Deb, T Prabakaran, Biswajit Adhikary, Anurag Shyam
BP	Poster	2	9th Dec	11:30-13:00	Nonlinear Electromagnetic Plasma Eigenmode in Presence of Axial Magnetic Field And Their Stability To Stimulated Raman Back Scattering	Updesh Verma, A K Sharma
BP	Poster	3	9th Dec	11:30-13:00	On The Generation of High Frequency Wave in Inhomogeneous Plasma in Presence of Drift Wave Turbulence	P N Deka, A Borgohain
BP	Poster	4	9th Dec	11:30-13:00	Ion Acoustic Solitons in A Two Electron Temperature in Magnetized Plasma	Latika Kalita, Nirupama Devi

BP	Poster	5	9th Dec	11:30-13:00	Plasma Maser Effect in Inhomogeneous Plasma	Mahinder Singh
BP	Poster	6	9th Dec	11:30-13:00	Role of Attractive Force On Dust Crystal Formation	Swati Baruah, Nilakshi Das
BP	Poster	7	9th Dec	11:30-13:00	Submicron Guiding Using Capillary Tube And Diagnostics of Multi-Element Focused Ion Beams	Samit Paul, Abhishek Chowdhury, and Sudeep Bhattacharjee
BP	Poster	8	9th Dec	11:30-13:00	Coulomb Crystallization of Magnetized Dusty Plasma	Nilakshi Das, Swati Baruah
BP	Poster	9	9th Dec	11:30-13:00	Electron Injection Studies in Toroidal Non-Neutral Plasma Device Smartex-C	Aditya K, D Chenna Reddy, S Pahari, R Ganesh
BP	Poster	10	9th Dec	11:30-13:00	Binary Coulomb Collision in Plasma Using Monte Carlo Method	Anshuman Borthakur, Nilakshi Das, Mrityunjay Kundu
BP	Poster	11	9th Dec	11:30-13:00	Higher Order Nonlinear Effects On The Propagation of Solitary Waves in Multicomponent Plasma Consisting of Two Cold Positive Ions And Two-Temperature Isothermal Electrons.	S R Majumder, A S Mahaptra, B Ghosh
BP	Poster	12	9th Dec	11:30-13:00	Effects of Quantum Diffraction On The Instability of Finite Amplitude Electron Plasma Waves	B Ghosh, S Chandra, M Mullick, S N Paul
BP	Poster	13	9th Dec	11:30-13:00	Characterization of DC Glow Discharge Plasma For Boronization Experiment	Bindu M, Ziauddin Khan, Arvind C, Kalpesh D, P Semwal, D C Raval, Firozkhan, PThankey, S George, G Ramesh, S Pradhan

BP	Poster	14	9th Dec	11:30-13:00	Development of High Power Sealed-Off Plasma Switch	BL Meena, MS Tyagi, UN Pal, M Kumar, GL Vyas and AK Sharma
BP	Poster	15	9th Dec	11:30-13:00	A Compact Microwave Multicusp Plasma Source With Magnetic Filter And Wave Cutoff Disc For Generation of Negative Ions	Debaprasad Sahu, Sudeep Bhattacharjee
BP	Poster	16	9th Dec	11:30-13:00	Diffusion Associated Neoclassical Indegenous System of Hall Assembly (Danisha) For Hall Effect Thruster And Suppression of Flr & Sheared Axial Flow On Rti	A.B.R. Hazarika
BP	Poster	17	9th Dec	11:30-13:00	Diffusion Process in Double Trios: A Conceptual Novel Theory	A.B.R. Hazarika
BP	Poster	18	9th Dec	11:30-13:00	Growth of A Spike On A Whistler Wave in Magnetized Homogeneous Plasma	Ghanshyam, R K Verma
BP	Poster	19	9th Dec	11:30-13:00	Experimental Investigation of Electron Trapping And Frequency Sideband Generation in Nonlinear Interaction of Electromagnetic Standing Waves With An Overdense Plasma Column	Indranuj Dey, Krishanu Roy Chowdhury, and Sudeep Bhattacharjee
BP	Poster	20	9th Dec	11:30-13:00	Ion-Acoustic Nonlinear Periodic Waves in Electron-Positron-Ion Plasma	J K Chawla, P C Singhdiya, M K Mishra
BP	Poster	21	9th Dec	11:30-13:00	Enhancement of Self-Similarity And Spiking Behavior of Electrostatic Fluctuations Under The Influence of An Inhomogeneous Magnetic Field in A DC Glow Discharge Plasma	J Pramanik, A N S Iyengar

BP	Poster	22	9th Dec	11:30-13:00	Self Consistent Relationship Between Observed Fluctuations And Density Profile in Simple Magnetized Torus	R Kaur, S K Mattoo
BP	Poster	23	9th Dec	11:30-13:00	Dependence of Plasma Dispersion On Electron Velocity Distributions	Hiroshi Amemiya
BP	Poster	24	9th Dec	11:30-13:00	Investigation of Discharge Parameters For Coaxial Dbd Cell Based On Electrical Modeling	Niraj Kumar, Pooja Gulati, Mansi Saxena, U N Pal, M Kumar, M S Tyagi, B L Meena, A K Sharma
BP	Poster	25	9th Dec	11:30-13:00	Ion-Acoustic Solitons in Multicomponent Plasma With Non Maxwellian Electrons	Parveen Bala, Tarsem Singh Gill
BP	Poster	26	9th Dec	11:30-13:00	Observation of Self-Excited Ionization Waves in A Planar Dielectric Barrier Discharge System At Atmospheric Pressure	A K Srivastava, G Prasad
BP	Poster	27	9th Dec	11:30-13:00	Nonlinear Lower Hybrid Oscillations in Cold Plasma	Chandan Maity, Nikhil Chakrabarti, Sudip Sengupta
BP	Poster	28	9th Dec	11:30-13:00	Magnetic Field Influence On Electron Energy Distribution Function in Cylindrical Magnetron Sputtering Plasma	Sankar Moni Borah, Heremba Bailung, Joyanti Chutia
BP	Poster	29	9th Dec	11:30-13:00	Nonlinear Electron Acoustic Wave in Plasmas	Manjistha Dutta, N Chakrabarti, M Khan
BP	Poster	30	9th Dec	11:30-13:00	Effect of Magnetization And Hall Current On Jeans Instability of Quantum Viscous Plasma	R P Prajapati, R K Chhajlani
BP	Poster	31	9th Dec	11:30-13:00	Design And Manufacturing of Prototype Hot	Gandhi J.C., Prajapathi

					Tungsten Plate Based Ionizer For Cesium Plasma in A Multi-Cusp Field Experiment	Chirag*, Bedakihale Vijay, Ramasubramanian N. and Saxena Y.C.
BP	Poster	32	9th Dec	11:30-13:00	Arbitrary Amplitude Solitary Structures in A Plasma Consisting of Negative Ions And Superthermal Electrons	Balwinder Singh Chahal, Nareshpal Singh Saini
BP	Poster	33	9th Dec	11:30-13:00	On Radial Density Profile of Plasma Blob Injected Into A Curved Vacuum Chamber	G Sahoo, R Paikaray, N C Sasini, D C Patra, S Samantaray, J Ghosh, A Sanyasi
BP	Poster	34	9th Dec	11:30-13:00	Breaking of Nonlinear Oscillations And Waves in Cold Plasma	Prabal Singh Verma, Sudip Sengupta, Predhiman K Kaw
BP	Poster	35	9th Dec	11:30-13:00	Excitation of Nonlinear Wakefields By An Intense Ultrarelativistic Positron Beam	Sudip Sengupta, Predhiman K Kaw
BP	Poster	36	9th Dec	11:30-13:00	Dynamics of Current Spots Observed in A Planar Glow Discharge Plasma	S Ghosh, P K Chattopadhyay, D Raju
BP	Poster	38	9th Dec	11:30-13:00	Arbitrary Amplitude Solitary Kinetic Alfven Waves And Double Layers in A Non-Maxwellian Plasma	Runmoni Gogoi, Manoranjan Khan
BP	Poster	39	9th Dec	11:30-13:00	Experimental Investigation of Plasma Oscillations Due To Interaction of High-Power Short-Pulse Microwaves With Temporally Growing Self Produced Plasma	Shail Kumari, Indranuj Dey, Debaprasad Sahu, Sudeep Bhattacharjee
BP	Poster	40	9th Dec	11:30-13:00	Ion Acoustic Solitary Wave in A Magnetized Plasma Consisting of Electron-Positron-Ion Plasmas	Simi Barman (Deka)

BP	Poster	41	9th Dec	11:30-13:00	Nanomotor Based On A Double Walled Carbon Nanotube : A Molecular Dynamics Study	S Negi, M Warriar, S Chaturvedi
BP	Poster	42	9th Dec	11:30-13:00	Investigation On Effect of Excitation Frequency On Electron Energy Distribution Functions in Low Pressure Radio Frequency Bounded Plasmas	Sudeep Bhattacharjee, Trevor Lafleur, Christine Charles, Rod Boswell
BP	Poster	43	9th Dec	11:30-13:00	Application of Tokamak For Diagnostics of Fundamental Forces	K.S. Suraj
BP	Poster	44	9th Dec	11:30-13:00	Properties of 1D-Plasma Photonic Crystal Having Linear Index	Surendra Prasad, Vivek Singh, A K Singh
BP	Poster	45	9th Dec	11:30-13:00	The Numerical Simulation Study of Pseudospark Based Hollow Cathode Plasma Electron Gun	U N Pal, M K Barik, V Lamba, D K Verma, N Kumar, G L Vyas, V P Dubey, M Kumar, B L Meena, M S Tyagi, A K Sharma
BP	Poster	46	9th Dec	11:30-13:00	Observation of Nonlinear Oscillations in Glow Discharge Air Plasma	Rajib Prasad, Utpal Deka
BP	Poster	47	9th Dec	11:30-13:00	Vacuum Acceleration of Charged Particle in An Relativistically Intense Ultra Short Laser Pulse	Vikram Sagar, Sudip Sengupta, P K Kaw
BP	Poster	48	9th Dec	11:30-13:00	Motion of Finite Sized Plasma in Plate –Grid –Plate Geometry Using 1D Pic Simulation	B. Jana, A. Majumder, P.T. Kathar, A. K. Das and V. K. Mago
BP	Poster	49	9th Dec	11:30-13:00	Thermodynamics of The Inter Conversion of Heat And Work Via Plasma Electric Fields	K. Avinash

BP	Poster	50	9th Dec	11:30-13:00	Oscillating Two Stream Instability of Laser Wakefield Driven Plasma Wave	Nafis Ahmad, V. K. Tripathi, M. Rafat
BP	Poster	51	9th Dec	11:30-13:00	Ion Beam Interaction With Ion-Acoustic Rarefactive Soliton in Multicomponent Plasma	Sumita K. Sharma, H. Bailung, Y. Nakamura
BP	Poster	52	9th Dec	11:30-13:00	Status of Rf Sources For Iter Ion Cyclotron Heating & Current Drive System	Aparajita Mukherjee, R.G. Trivedi, Kumar Rajnish, Raghuraj Singh, Harsha Machchhar, Ajesh P., Gajendra Suthar, Dipal Patadia, Manoj Patel
BP	Poster	53	9th Dec	11:30-13:00	Design of Direct Coupled 125Kw Rf Amplifier For Iter Icrf Source	Raghuraj Singh, Ajesh P, R.G. Trivedi, Kumar Rajnish, Harsha Machchhar, Gajendra Suthar, Dipal Patadia, Manoj Patel, Aparajita Mukherjee
BP	Poster	54	9th Dec	11:30-13:00	Phase Detection Module For Ich & Cd System	Dipal Soni, Kumar Rajnish, RG Trivedi, Manoj A Patel, Raghuraj Singh, Harsha Machchhar, Gajendra Suthar, P. Ajesh, Aparajita Mukherjee
BP	Poster	55	9th Dec	11:30-13:00	Development of Local Control Unit For Iter Icrf R&D Source	Kumar Rajnish, Dipal Soni, RG Trivedi, Manoj A Patel, Raghuraj Singh, Harsha

						Machchhar, Gajendra Suthar, P. Ajesh, Aparajita Mukherjee
BP	Poster	56	9th Dec	11:30-13:00	Integrated Test of Low Power System For R&D Icrf Source	Harsha Machchhar, R.G. Trivedi, Raghuraj Singh, Kumar Rajnish, Ajesh P., Gajendra Suthar, Dipal Patadia, Manoj Patel, Aparajita Mukherjee
BP	Poster	57	9th Dec	11:30-13:00	Development of Frequency Measurement Module For R&D Icrf Source	Manoj Patel, Harsha Machchhar, R.G. Trivedi, Raghuraj Singh, Kumar Rajnish, Ajesh P., Gajendra Suthar, Dipal Patadia, Aparajita Mukherjee
BP	Poster	58	9th Dec	11:30-13:00	Auxiliary Power Supplies For Iter Icrf R&D Source	Gajendra Suthar, Aparajita Mukherjee, R.G. Trivedi, Kumar Rajnish, Raghuraj Singh, Harsha Machchhar, Ajesh P, Dipal Patadia, Manoj Patel
BP	Poster	59	9th Dec	11:30-13:00	Parameter Optimization of The Washer Gun Plasma of Symple	Anitha V.P, Renu Bahl, Priyavandna J Rathod, Jayesh Raval, Y.C. Saxena
BP	Poster	60	9th Dec	11:30-13:00	Design And Development of A Pfn For The Washer-	Priyavandna J. Rathod,

					Gun in Sympole	Anitha V.P, Z. H. Sholapurwala, Jayesh Raval, Renu Bahl, Y.C. Saxena
BP	Poster	61	9th Dec	11:30-13:00	Possible Excitation of Solitary Electron Holes (Ehs) in A Laboratory Plasma	S. Kar, S. Mukherjee, G. Ravi and Y. C. Saxena
BP	Poster	62	9th Dec	11:30-13:00	Development of Penning Discharge Source For Establishment of A Calibration Technique For Vuv Spectrometer-Detector System	Gheesa lal vyas, Jalaj Jain, Ravindra Kumar, M B Chowdhuri, R. Manchanda and Ram Prakash
BP	Poster	63	9th Dec	11:30-13:00	Mechanism For Scavenging Energetic Electrons And Exerting Control On Elctron Temperature Gradient of Lvpd Plasma	S. K. Singh, P.K Srivastava, L. M. Awasthi, R. Singh, S. K. Mattoo and P. K. Kaw
BP	Poster	64	9th Dec	11:30-13:00	Theoretical Investigation of Coupled Whistler-Electron Temperature Gradient Turbulence in High Beta Plasma	S. K. Singh, L. M. Awasthi, R. Singh, S. K. Mattoo and P. K. Kaw
BP	Poster	65	9th Dec	11:30-13:00	Ion Acoustic Waves in Electron-Positron-Ion Quantum Magnetoplasma	Punit Kumar
BP	Poster	66	9th Dec	11:30-13:00	On The Existence of Ion-Acoustic Double Layers in Electron-Positron-Ion Plasma With Two-Electron Temperature Distributions	M.K. Mishra, S.K. Jain
BP	Poster	67	9th Dec	11:30-13:00	Ion–Acoustic Solitary Waves in Negative Ion Plasma With Two Electron Temperature Distributions	M.K. Mishra, J.K. Chawla, L.L.Yadav
BP	Poster	68	9th Dec	11:30-13:00	Plasma For Studying Electron Temperature Gradient Driven Turbulence in Lvpd	L. M. Awasthi, S. K. Singh, P. K. Srivastava, U. Dhobi,

						R. Singh, S .K. Mattoo and P. K. Kaw
BP	Poster	69	9th Dec	11:30-13:00	Impact of Anode Glow On The Properties of A Constricted Hollow Anode Plasma Source	S K Karkari, M A Mujawar, M. Turner
BP	Poster	70	9th Dec	11:30-13:00	A Novel Multi Element Focused Ion Beam System Using Microwave Plasmas	Jose V. Mathew, Sudeep Bhattacharjee
BP	Poster	71	9th Dec	11:30-13:00	Numerical Solution of Kdv Partial Differential Equation Using Genetic Algorithm	Dilip P. Ahalpara, Abhijit Sen
BP	Poster	72	9th Dec	11:30-13:00	Theory of Current Free Double Layers in Electronegative Plasma	N.K. Deka, P.J. Bhuyan, K.S. Goswami
BP	Poster	73	9th Dec	11:30-13:00	Behavior of Flow Velocities of Ions in Magnetized Two Ion-Species Plasma	Bornali Sarma 1 & Devendra Sharma
BP	Poster	74	9th Dec	11:30-13:00	Numerical Modeling of Edge Plasma in The Presence of Secondary Electrons	K Saharia, KS Goswami, D Sharma and P K Kaw
BP	Poster	75	9th Dec	11:30-13:00	Effect of Anod Area On Electron Temperature On Near A Magnetic Filter Field	B. K. Das, M. Chakraborty, M. Bandyopadhyay
BP	Poster	76	9th Dec	11:30-13:00	Effect of Magnetic Filter On Diffused Plasma And Sheath Structure	B. K. Das, M. Chakraborty, M. Bandyopadhyay
BP	Poster	77	9th Dec	11:30-13:00	Evolution of Solitary Waves in An Inhomogeneous Plasma	Jnanjyoti Sarma and Tapash Saha
BP	Poster	78	9th Dec	11:30-13:00	Fire-Ball And Its Related Quasi-Chaotic Phenomena in A Beam Plasma System	Arun Sarma
NF	Poster	2	9th Dec	14:00-15:45	Development And Study of 13 Kj Capacitor Bank And Plasma Focus Device	Ram Nirajan, R K Rout, Rohit Srivastava, Satish C

						Gupta
NF	Poster	3	9th Dec	14:00-15:45	A Compact Plasma Focus Device Based On Simplest And Cheapest Technology	R K Rout, Ram Niranjana, Prabhat Mishra, Rohit Srivastava, A M Rawool, T C Kaushik, Satish C Gupta
NF	Poster	4	9th Dec	14:00-15:45	Studies of Plasma Flows in Scrape-Off Layer (Sol) of Aditya Tokamak.	Deepak Sangwan, M V Gopalkrishana, Ratneshwar Jha
NF	Poster	5	9th Dec	14:00-15:45	Low Energy Deuterium Ion Accelerator System For Characterization of Fusion Grade Materials	B K Das, R Das, R Shukla, P Banerjee, S Sharma, P Dev, T Prabhakaran, B Adhikary, A Shyam
NF	Poster	6	9th Dec	14:00-15:45	Near Gw Pulsed Power Generation From An Inductive Energy Storage System Using Electrically Exploding Fuses	Nalini N, T. C. Kaushik, Mahesh Kale, Jigyasa, S. C. Gupta
NF	Poster	7	9th Dec	14:00-15:45	Effect of Ion Beam Irradiation On Pld Deposited Tungsten Films	A T T Mostako, C V S Rao, Shudhir Vala, A Khare
NF	Poster	8	9th Dec	14:00-15:45	Improvement of Sinp-Tokamak Plasma Confinement Due To Suppression of Drift-Alfven Wave For The Application of Negative Electrode Bias At The Plasma Edge	Debjyoti Basu, Rabindranath Pal
NF	Poster	9	9th Dec	14:00-15:45	Miniaturized Low Energy Electrically Exploding Foil Accelerator	A K Saxena, T C Kaushik, M P Goswami, Satish C Gupta
NF	Poster	10	9th Dec	14:00-15:45	Fiber Bragg Grating (Fbg) Sensors For Fusion	B Ramesh Kumar, Karthika

					Technology Applications	Chandran
NF	Poster	11	9th Dec	14:00-15:45	Synthesis And Characterization of Li_2Tio_3 Powders By Sol-Gel Method	Sanjeev Kumar, S K Sinha, P M Raole
NF	Poster	12	9th Dec	14:00-15:45	High Voltage Conditioning of Neutral Beam Injector Power Supply System	L N Gupta, N P Singh, Vibhu Tripathi, Dippal Thakkar, Kapil Oza, Vishnu Patel, U K Baruah
NF	Poster	13	9th Dec	14:00-15:45	Aditya Grounding Scheme And Troubleshooting During Fault	M B Kalal, D S Varia, Deepak Sangwan, Pravesh Dhyani, P K Chattopadhyay, R Jha, K Satyanarayana, S B Bhatt, Nirav Mecwan, Kumarpal Jadeja, Amit Prajapati, Bharat Kumar and Aditya Team
NF	Poster	14	9th Dec	14:00-15:45	Design of Usb-Can Converter Electronics	Hitesh Mandaliya, Pramila, Rachana Rajpal
NF	Poster	15	9th Dec	14:00-15:45	Development of Signal Conditioning System For The Thermal Diagnostics in Neutral Beam Injector For Sst-1	Karishma Qureshi, L K Bansal, P Bharathi, U K Baruah, V Patel, P Vatti Palle and NBI team
NF	Poster	17	9th Dec	14:00-15:45	Neutron Irradiation Study of Lithium Titanate Pebbles For Blanket Application of Fusion Reactor	S K Sinha, Sanjeev kumar, Srichand Jhakhar, C V S Rao, P M Raole

NF	Poster	18	9th Dec	14:00-15:45	Characterization of Fusion Debris On Tokamak Window And The Development of An Automated Set Up For Cleaning The Window.	S Sasanka kumar, M K Jayaraj, Ajai kumar, A V Ravikumar
NF	Poster	19	9th Dec	14:00-15:45	Cart Wheel Model For Understanding Plasma Wall Interactions	K S Suraj
NF	Poster	20	9th Dec	14:00-15:45	Construction of High Voltage Pulse Generator For Aditya Tokamak Coil Insulation Test	D S Varia, M B Kalal, Deepak Sangwan, Pravesh Dhyani, P K Chattopadhyay, R Jha, K Satyanarayana, S B Bhatt, Nirav Mecwan, Kumarpal Jadeja, Amit Prajapati, Bharat Kumar and Aditya Team
NF	Poster	21	9th Dec	14:00-15:45	Swept Frequency Reflectometer To Measure The Radial Profile of Plasma Density in Aditya Tokamak.	Varsha Siju, P K Atrey, Praveena Shukla, and Surya k Pathak
NF	Poster	22	9th Dec	14:00-15:45	Frequency Measurement Concept For 170 Ghz Gyrotron At Iter-India Test Facility	Vipal Rathod, Ronak Shah, S.L.Rao, Mahesh Kushwah, Anjali Sharma, Deepak Mandge and Gaurav Joshi
NF	Poster	23	9th Dec	14:00-15:45	Rami Analysis of Iter Ec H&Cd System	Mahesh Kushwah, Vipal Rathod, R.G. Trivedi, D. Van Houtte, F. Sagot, and Okayama K

NF	Poster	24	9th Dec	14:00-15:45	Plc Based Sequence Control System For Gyrotron Source of Iiter-India Test Facility	Vipal Rathod, Deepak Mandge, S.L.Rao, Mahesh Kushwah, Ronak Shah, Anjali Sharma and Gaurav Joshi
NF	Poster	25	9th Dec	14:00-15:45	Study of Icrf-Wall Conditioning Plasmas	M.K. Paul, A. Lysoivan, R. Koch, G. Van Wassenhove, D. Van Eester, E. Lerche, M.Vervier, J. Ongena, G. Bertschinger, R.Laengner, B.Unterberg, G. Sergienko, V. Philipps, T. Wauters, D. Douai, C.F. Schüller, V. Rohde, J.-M. Noterdaeme, V. Bobkov, W. Suttrop, M. Graham, M.-L. Mayoral, I. Monakhov, M. Nightingale, V.V.Plyusnin, the TEXTOR Team, the ASDEX Upgrade Team and JET-EFDA Contributors
NF	Poster	26	9th Dec	14:00-15:45	Design And Thermal Analysis of Bending Magnet Coils	U. Lakshminarayana, Sudhirsinh Vala, Mitul Abhangi, Manu Bajpai, Mukti Ranjan Jana, C.V.S.Rao,

						G.Ranga Janardhana , Subrata Das, Ritesh Malik, and S.S.Prabhu
NF	Poster	27	9th Dec	14:00-15:45	Anchor Bolt Design of Iter-Cryostat Support System	Vipul More, Girish Gupta, Jagrut Bhavsar and Anil bhardwaj
NF	Poster	28	9th Dec	14:00-15:45	Fabrication And Welding of Pf#4, 5 Superconducting Magnet Joint Boxes in Sst-1	S.J.Jadeja, U.Prasad, A.N.Sharma and S.Pradhan
NF	Poster	29	9th Dec	14:00-15:45	The (M=1,N=1) Internal Resistive Kink Mode And Neoclassical Tearing Modes	Samiran Chatterjee, Madhurjya P Bora
NF	Poster	30	9th Dec	14:00-15:45	Study of Residual Stresses, Deformation And Heat Affected Zone of Iter Cryostat Circumferential Field Joint	Mukesh Jindal, Rajnikant Prajapati, Anil bhardwaj
NF	Poster	31	9th Dec	14:00-15:45	Conceptual Design of Auxiliary Power Supplies For 170 Ghz Gyrotron	Mahesh Kushwah, S.L.Rao, Vipal Rathod, Gaurav Joshi, Ronak Shah, Anjali Sharma and Deepak Mandge
NF	Poster	32	9th Dec	14:00-15:45	Absolute Measurement of 14 Mev D-T Neutron Generator Yield Using Water Activation Analysis	Saheb Hussain Md, Shrichand Jakhar, Mitul Abhangi, Rajnikant Makwana, Sudhirsinh Vala, C.V.S.Rao, A.Gopala Krishna and T.K.Basu
NF	Poster	33	9th Dec	14:00-15:45	Manufacturing And Assembly Study of Iter-Cryostat	Girish Gupta, Vipul More,

						Rajnikant Prajapati, Jagrut bhavsar, Mukesh Jindal and Anil bhardwaj
NF	Poster	34	9th Dec	14:00-15:45	Thermal And Structural Analysis of Iter-Cryostat	Anil bhardwaj, G.Gupta, Vipul More, Jagrut Bhavsar
NF	Poster	35	9th Dec	14:00-15:45	Advanced Cutting And Welding Technologies For Fusion Reactor Vacuum Vessel Fabrication	B. Ramesh Kumar, R.Gangradey
NF	Poster	36	9th Dec	14:00-15:45	Studies On Streaming And Leakage Neutron Effects On Vacuum Vessel in Iter Like Conditions	S. Jakhar, Mitul Abhangi, B. Ramesh Kumar, C.V.S. Rao, T.K. Basu and R. Gangradey
NF	Poster	37	9th Dec	14:00-15:45	Present Status of The Compass Tokamak	R. Panek, J. Brotankova, M. Hron, J. Stockel, V. Weinzettl, J. Ghosh, and the COMPASS team
NF	Poster	38	9th Dec	14:00-15:45	Development of A Segmented Plasma Torch Assisted Tailored Heat Source For Performance Evaluation of Plasma Facing Components in Fusion Devices	M. Kakati, B. Bora, N. Aomoa, P.M. Raole and S. Khirwadkar
NF	Poster	40	9th Dec	14:00-15:45	Programming, Testing And Integration of New Adc Module (Ip-330) For Sst-1 Coil Power Supply Control System	Dinesh Kumar Sharma, Murtuza M Vora and SST-1 Power System Division
NF	Poster	41	9th Dec	14:00-15:45	High Power Cw Test of 82.6Ghz Gyrotron	B K Shukla, Mahesh Kushwah, Rajan Babu, Jatini Patel, K Sathyanarayana, S

						Laxmikant Rao, Pragnesh Dhorajiya, Harshida Patel, Sunil Belsare, Vipal Rathod, Satish D Patel, Vishal Bhavsar, Priyanka A Solanki, Anjali Sharma and Ronak Shah, Mikhail Shmelev, Yury Belov and E. Tai
NF	Poster	42	9th Dec	14:00-15:45	Testing And Commissioning of Solid State Anode Modulator Power Supply For 82.6 Ghz Gyrotron System	N.Rajan Babu, B K Shukla, K. Sathyanarayana, Sunil Belsare, Pragnesh B. Dhorajiya, Jatin Patel and Harshida R. Patel
NF	Poster	43	9th Dec	14:00-15:45	Development of Crowbar Firing Card For Ignitron-Crowbar System	Harshida Patel, D Purohit, B K Shukla, Jatin Patel, K Sathyanarayana, Pragnesh Dhorajiya, Rajan Babu, Sunil Belsare, Satish Patel and Vishal Bhavsar
NF	Poster	44	9th Dec	14:00-15:45	Programming, Testing And Integration of New Adc Module (Ip-330) For Sst-1 Coil Power Supply Control System	Dinesh Kumar Sharma, Murtuza M Vora and SST-1 Power System Division
NF	Poster	45	9th Dec	14:00-15:45	Operation And Maintenance Experience On Utility Power Distribution For Aditya And Sst-1 Tokamaks	A R Chavada, V Balakrishnan, H D Parekh
NF	Poster	46	9th Dec	14:00-15:45	110W @ 3.8 K Cryo Plant Operation For 1.7Mw Nbi	V.B.Patel, Chakrapani,

					Cryopumps	B.Sridhar, B.Choski, Nilesh, D.Thakkar, L.N.Gupta, A.Chakraborty, V.Prahlad, U.K.Baruah and NBI team
NF	Poster	47	9th Dec	14:00-15:45	Application of Sweep Frequency Response Analysis (Sfra) To Evaluate Mechanical Integrity of Transformer	Chandra Kishor Gupta, & SST-1 Power System Division
NF	Poster	48	9th Dec	14:00-15:45	Design & Development of 10 Ka High Tc Superconducting Current Leads	A. Amardas
SA	Poster	1	9th Dec	14:00-15:45	Drift Dissipative Instability in The Presence of Meteor Ionisation	V H Kulkarni, Shobha Kadam
SA	Poster	2	9th Dec	14:00-15:45	Identification of Solar Features Causing Geomagnetic Storm During The Period of 1996-2003	Sujeet Kumar Mishra, D P Tiwari
SA	Poster	3	9th Dec	14:00-15:45	The Study of Solar Wind Plasma Signatures With Magnetic Cloud Events And Bi- Directional Electron Heat Flux Events	Sujeet Kumar Mishra, D P Tiwari
SA	Poster	4	9th Dec	14:00-15:45	Space Weather Application of Forbush Decrease Events	Manjula Jain, M L Chauhan, S K Shrivastava, M K Richharia
SA	Poster	5	9th Dec	14:00-15:45	Analysis of Ulf Wave Index During Substorms And Storms Signatures	S K Dohare, A K Singh
SA	Poster	6	9th Dec	14:00-15:45	Study of The Diurnal Variation of Cosmic Rays During Different Phases of Solar Activity	Ambika Singh, Anil Kumar Tiwari, S P Agrawal

SA	Poster	7	9th Dec	14:00-15:45	Beam Driven Electron Acoustic Solitary Waves With Superthermal Electrons	S Devanandhan, S V Singh, G S Lakhina
SA	Poster	8	9th Dec	14:00-15:45	Effect of Solar And Interplanetary Disturbances On Space-Weather	Sham Singh, Kalpana Singh, A.P. Mishra
SA	Poster	9	9th Dec	14:00-15:45	Estimation of Magnetospheric Plasma Parameters From Whistlers Observed At Low Latitudes	M Altaf, M M Ahmad
SA	Poster	10	9th Dec	14:00-15:45	Study of Terrestrial Disturbances And Their Effect On Satellite And Space Weather	S K Mishra, S C Dubey
SA	Poster	11	9th Dec	14:00-15:45	Geomagnetic Storms And Their Association With Solar And Interplanetary Processes	Kalpana Singh, Sham Singh, Meera Gupta, A.P. Mishra
SA	Poster	12	9th Dec	14:00-15:45	A Nonlocal Analysis of Inhomogeneous Solar Plasma Fluctuations	P K Karmakar
SA	Poster	13	9th Dec	14:00-15:45	Collisional Diffusion And Transport in Moderately Coupled Relativistic Streaming Plasma With Temperature Anisotropy	K.C.Baral, Subhangini Mishra
SA	Poster	14	9th Dec	14:00-15:45	Effect of Electron Precipitation On The Propagation of Vlf Signals in The Earth-Ionosphere Waveguide	Ashutosh K Singh, A K Singh
SA	Poster	15	9th Dec	14:00-15:45	Kinetic Alfvén Waves And Solar Wind Turbulence	Sachin Kumar, R P Sharma
SA	Poster	16	9th Dec	14:00-15:45	Variability of Aerosol Optical Depth (Aod) Over Ig-Basin During Major Dust Storms	Sarvan Kumar, Sanjay Kumar, A K Singh
SA	Poster	17	9th Dec	14:00-15:45	Effect of Space Plasma On Geomagnetic Field And Space Weather Disturbances	S C Dubey
SA	Poster	18	9th Dec	14:00-15:45	Transient Interplanetary Plasma Structures And Their Geoeffectiveness	Subhash Chandra Kaushik

SA	Poster	20	9th Dec	14:00-15:45	Double Layers in Warm Multi-Component Plasmas	S. S. Ghosh
SA	Poster	21	9th Dec	14:00-15:45	Formation of Cdps (Cold Dense Plasma Sheet) During A North-Ward Oriented Interplanetary Magnetic Field	Rashmi Patowary, S B Singh, Kalyan Bhuyan
SA	Poster	22	9th Dec	14:00-15:45	Gps-Tec Variability And Its Comparison With Iri-Model Tec During Low Solar Activity Period (2007-2009)	Sanjay Kumar, S Priyadarshi, A K Singh
SA	Poster	23	9th Dec	14:00-15:45	Study of Ionospheric Plasma Irregularities Using Vhf Scintillation And In-Situ Data By Scross Satellite At Low Latitude	S B Singh, Ashutosh K Singh, A K Singh
SA	Poster	25	9th Dec	14:00-15:45	Nonlinear Coupling of Kinetic Alfvén Waves And Magnetosonic Waves in Plasma	Sanjay Kumar, R. P. Sharma
SA	Poster	26	9th Dec	14:00-15:45	Hall Instability in A Weakly Ionized, Rotating Disk With Equilibrium Pressure Stratification And Thermal Loss	Madhurjya P Bora, Manasi Buzar Baruah
SA	Poster	27	9th Dec	14:00-15:45	Fine-Scale Shear Alfvén Wave Structures in Earth'S Ionospheric Regions	Nirupama Devi
SA	Poster	28	9th Dec	14:00-15:45	Spacecraft Plasma Interaction Experiments (Spix-li)	Suryakant Gupta, Keena Kalarai, Naresh Vaghela, Hiren Bhat, S. Mukherjee, E.P. Suresh, M. Sudhakar, R. Ekkundi, G. Venketshwarulu
SA	Poster	29	9th Dec	14:00-15:45	Salient Features of Sheath in Rotating Magnetized	G.C Das and Rupa

					Astroplasma And Levitation of Dust Into The Robust Sheath Forming Stable Dust Clouds Over The Celestial Bodies in Space	Chakraborty
SA	Plenary	PL	9th Dec	16:30-17:20	Multiscale Processes And Cross-Scale Coupling in Collisionless Magnetic Reconnection	A. Surjalal Sharma
SA	Invited	I-1	9th Dec	17:20-17:50	Imaging of X-Ray Radiation Emitted From Astrophysical Plasma Sources Using Shadow Masks	Vipin K Yadav
SA	Invited	I-2	9th Dec	17:50-18:20	Probing The Planetary Nebulae	Madhurjya P Bora
SA	Oral	24	9th Dec	18:20-18:32	Monitoring of Ionospheric Plasma Bubbles And Tec Using Gps Data At Varanasi	S Priyadarshi, S Kumar, A K Singh
SA	Oral	19	9th Dec	18:32-18:44	Effect of Plasmopause On Kp Dependence of Pc4 Frequencies At Low Latitudes in India	I A Ansari, M T Khan