

**11<sup>th</sup> December 2010**

Session	Mode	No.	Date	Time	Title	Author
CM	Plenary	PL	11th Dec	09:00-09:50	Numerical Modeling of Plasma	R Srinivasan
CM	Invited	I-1	11th Dec	09:50-10:20	Steady State, 1-D Fokker-Planck Model of A DC Glow Discharge Sheath With Plasma Surface Interactions	M Warriar, S Chaturvedi
CM	Invited	I-2	11th Dec	10:20-10:50	Preliminary Study of Shielding Performance of in Demo Llc Blanket	B J Saikia and C Danani
EP	Poster	1	11th Dec	11:30-13:00	Effect of Dust Charge Fluctuation On Radiative Condensation Instability of Magnetized Dusty Plasma With Dust Temperature	Sachin Kaothekar, R K Chhajlani
EP	Poster	2	11th Dec	11:30-13:00	Effect of Viscosity And Surface Tension On The Growth of Rayleigh-Taylor And Richtmyer-Meshkov Instability Under Nonlinear Domain	Rahul Banerjee, M Khan, L K Mandal, S Roy, M R Gupta
EP	Poster	3	11th Dec	11:30-13:00	Study of Dust Acoustic Solitary Waves in An Electron-Positron-Ion-Dust Plasmas	Chanchal Bedi, Nareshpal Singh Saini, Tarsem Singh Gill
EP	Poster	5	11th Dec	11:30-13:00	Modified Simon-Hoh Instability in A Magnetized Inhomogeneous Collisional Dusty Plasma	Malabika Dey, Sourabh Bal, M Bose
EP	Poster	6	11th Dec	11:30-13:00	Low Dust Charging Rate And Nonthermal Ions On Da Solitary Waves in A Complex Plasma	Manoranjan Khan, Samiran Ghosh, Tushar Kanti Chaudhuri, M R Gupta
EP	Poster	8	11th Dec	11:30-13:00	Shock Waves in Electronegative Dusty Plasma	Subrata Sarkar, Samiran Ghosh, Manoranjan Khan

EP	Poster	9	11th Dec	11:30-13:00	Variation of Plasma Frequency in C60 Molecule For A Change in Density of Ion	K.Seema, K.A.Vijayalakshmi
EP	Poster	10	11th Dec	11:30-13:00	Experimental Studies On DC Discharge Dusty (Complex) Plasmas	Manjit Kaur, A. Sarma, J. Ghosh, P.K. Chattopadhyay
EP	Poster	11	11th Dec	11:30-13:00	Shock Wave in Plasma Crystal	Samiran Ghosh
EP	Poster	12	11th Dec	11:30-13:00	Effect of Confining Wall Potential On Charging of Dust Grains	B. Kakati, S.S. Kausik, B.K. Saikia and M. Bandyopadhyay
EP	Poster	13	11th Dec	11:30-13:00	Excitation of Transverse Waves in A Two-Dimensional Monolayer Plasma Crystal	Y Nakamura, Sumita Kumari Sharma, Niranjana K Bhagobaty , H Bailung
EP	Poster	14	11th Dec	11:30-13:00	Theoretical Study of Sheath Structure in Electronegative Dusty Plasma	N.K. Deka, P.J. Bhuyan and K.S. Goswami
EP	Poster	15	11th Dec	11:30-13:00	Role of Electron Energy Distribution On Dust Charging Process	Manoj Kumar Deka, Heremba Bailung
EP	Poster	16	11th Dec	11:30-13:00	Instability of Dust-Acoustic Wave in A Self Gravitating Quantum Plasma Bounded in Cylindrical Geometry	S.N.Paul, B.Ghosh , B.Paul , I.Paul and G.Pakira
EP	Poster	17	11th Dec	11:30-13:00	Ion-Acoustic Solitary Waves in Self-Gravitating Dusty Plasma	G. Pakira, B. Paul, A. Roychowdhury, B. Ghosh and S.N. Paul
EP	Poster	18	11th Dec	11:30-13:00	On The Instability of Ion-Acoustic Wave in A Quantum Plasma With Ion-Streaming And	K K Mondal

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PD	Poster	2	11th Dec	11:30-13:00	Development of Glow Detector System For Aditya Tokamak	B N Darji, K A Jadeja, Amit Prajapati, Prakash Bawankar, S B Bhatt
PD	Poster	3	11th Dec	11:30-13:00	Comparative Analysis of Discharge in Xenon Filled Coaxial Dbd Sources	U N Pal, Pooja Gulati, Niraj Kumar, M Kumar, M S Tyagi, B L Meena, A K Sharma, Ram Prakash
PD	Poster	5	11th Dec	11:30-13:00	Design of Electron Gun For 60 Ghz Gyrotron For Plasma Diagnosis	Udaybir Singh, Nitin Kumar, Anil Kumar, Hasina Khatun, L P Purohit, A K Sinha
PD	Poster	6	11th Dec	11:30-13:00	Design of Interaction Cavity For 60 Ghz Gyrotron For Plasma Diagnosis Applications	Nitin Kumar, Udaybir Singh, Anil Kumar, Hasina Khatun, T P Singh, A K Sinha
PD	Poster	7	11th Dec	11:30-13:00	Automation of Anode Operation For Glow Discharge Cleaning in Aditya Tokamak	Prakash S Bawankar, K A Jadeja, Bharat Darji, Amit Prajapati, S B Bhatt
PD	Poster	8	11th Dec	11:30-13:00	The Resonance Hairpin Probe – Theory And Application in Magnetized Plasma	G S Gogna, S K Karkari
PD	Poster	9	11th Dec	11:30-13:00	Visible Emission Spectroscopy Diagnostic of Metal Halide Hid Lamp	B Ramesh Kumar, M B Chowdhuri
PD	Poster	10	11th Dec	11:30-13:00	Measurement of Ion Velocity Distribution Using Retarded Field Energy Analyzer in Sinp Maple	Subir Biswas, Rabindranath Pal

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PD	Poster	11	11th Dec	11:30-13:00	Study of Discharge Parameters in He-Dbd Using Line-Ratio Method	Pooja Gulati, Niraj Kumar, U N Pal, Jalaj Jain, M Kumar, M S Tyagi, B L Meena, A K Sharma, Ram Prakash
PD	Poster	12	11th Dec	11:30-13:00	Atmospheric Pressure Glow Discharge in Air	R B Tyata, D P Subedi, C S Wong
PD	Poster	13	11th Dec	11:30-13:00	Accurate Inert Gas Cross-Sections For Plasma Modeling	R K Gangwar, L Sharma, R Srivastava, A D Stauffer
PD	Poster	14	11th Dec	11:30-13:00	Analysis of 3- Channel Polaro-Interferometer Data of Self Generated Magnetic Fields in Laser Plasmas	Y B S R Prasad, S Barnwal, P A Naik, P D Gupta
PD	Poster	15	11th Dec	11:30-13:00	Determination of Spatial Variation of The Foil Parameters Used As Radiation Absorbing Element in Infrared Imaging Video Bolometer	Santosh P. Pandya, Nabarun Dev, Shwetang N. Pandya and J. Govindarajan
PD	Poster	16	11th Dec	11:30-13:00	Magnetic Field Measurement Using B(.) Probes	Sayak Bose, Manjit Kaur, Kshitish Barada, Payal Mehta, Pravesh Dhyani, Ketan M. Patel, H. Nimawat, N. Chanchpara, J. Ghosh, P. K. Chattopadhyay, Rabindranath Pal
PD	Poster	17	11th Dec	11:30-13:00	Design And Development of High Temperature Black Body Source For Ece Radiometry in Tokomak Plasmas	S.K. Pathak, V Subramanian, Varsha Siju, P.K. Atrey

PD	Poster	18	11th Dec	11:30-13:00	Vuv Spectra From Aditya Tokamak Plasma And Its Application To Estimation of Electron Temperature	R. Manchanda, M. B. Chowdhuri, J. Ghosh, S. Banerjee, K. M. Patel, Vinay Kumar, P. Vasu and Aditya Team
PD	Poster	19	11th Dec	11:30-13:00	5Ka Pulsed Power Supply For Inductive Load And Plasma Discharge in Lvpd	P.K Srivastava, S.K. Singh, L.M. Awasthi and S.K. Mattoo
PD	Poster	20	11th Dec	11:30-13:00	Revisiting Plasma Hysteresis With An Electronically Compensated Langmuir Probe	P.K Srivastava, S.K. Singh, L.M. Awasthi and S.K. Mattoo
PD	Poster	21	11th Dec	11:30-13:00	Opacity Effect On Photon Emissivity Coefficients (Pecs) of Neutral Helium Line Emissions And Its Impact On Line Ratios	Jalaj Jain, Gheesa Lal Vyas, Ravindra Kumar, R. Manchanda and Ram Prakash
PD	Poster	22	11th Dec	11:30-13:00	On Doppler Shift Spectroscopy Diagnostic in Sst-1 Nbi Test Stand	B.Choksi, P.Bharathi, V.Prahlad, N.S.Contractors Ch.Chakrapani, Vishnu.Patel, L.N.Gupta, S L Parmar, Dipal Thakkar, Paresh.J.Patel, Vibhu.Tripathi, M.R.Jana and Ujjwal.K.Baruah
PD	Poster	23	11th Dec	11:30-13:00	Measurement of Plasma Parameters By Langmuir Probe And Spectroscopic Diagnostics in A Novel Plasma System	Ashish Patel, Santanu Banerjee, Joydeep Ghosh, Probal Chottopodhaya, Nilam Ramaiya, Supin Gopi, Payal Mehta, Arun Sarma
PD	Poster	24	11th Dec	11:30-13:00	Development of Gui Based Data Plotting Utilities	Imran Mansuri, Amit Kumar

					For Sst-1 Data Acquisition Integrated Testing	Srivastava and Subrata Pradhan
PD	Poster	25	11th Dec	11:30-13:00	Development of Measurement And Data Acquisition Technique For High Temperature Sensors To Be Used in Sst-1 Tokamak	Gattu Ramesh Babu, Ziauddin Khan, Firozkhan Pathan, Yuvakiran Paravastu, Siju George, Arvind Chawda, Himabindu M, Pratibha Semwal, Kalpesh Dhanani, D. C. Raval, Prashant Thankey and Subrata Pradhan
PD	Poster	26	11th Dec	11:30-13:00	Understanding The Temperature And Current Profile of Laser Heated Emissive Probe Materials	Arun Sarma, Payal Mehta, Joydeep Ghosh, Shwetang Pandya, Santosh Pandya, Paritosh Choudhuri & J. Govindarajan