

Plasma 2014 - Poster / Oral Papers
PLASMA DIAGNOSTICS (PD)

No.	ID	Title	Primary Author	Tracks	Type
1	0	Thermal imaging of SST-1 limiters and calculation of heat flux deposition and estimation of total power drawn limiters	Ms. KANCHAN, Mahavar	PDE	Poster
2	1	AN ESTIMATION OF NEUTRAL HYDROGEN DENSITY.....PARTICLE ANALYZER [NPA] FOR SEVERAL APPS DISCHARGES	Mr. AJAY, Kumar	PDE	Poster
3	8	First results from the Infrared Imaging Video Bolometer in SST-1 Tokamak	Mr. PANDYA, Santosh	PDE	Poster
4	10	Numerical calculation of runaway electron energy distribution function and estimation of associated synchrotron emission spectra for the SST-1 tokamak	Mr. PANDYA, Santosh	PDT	Poster
5	50	Characterization of Hollow Cathode Discharge Plasma through Spectroscopic Measurement of Atomic Excitation Temperature	Mr. SHAH, M L	PDE	Poster
6	69	Influence of Discharge Voltage and Pressure on the electron temperature and electron density in a Low Pressure Discharge	Mr. SHRESTHA, Arun Kumar	PDE	Poster
7	79	Development of Online Plasma Edge Density and Temperature Measurement Module using MATLAB	Mr. JOSHI, Rameshkumar	PDE	Poster
8	131	Effect of uniform transverse magnetic field on the lifetime of laser-produced copper plasma	Mr. KHWAIRAKPAM, Shantakumar	PDE	Poster
9	161	X-Ray Crystal Spectroscopy: Survey and Edge spectrometers for ITER	Dr. VARSHNEY, Sanjeev Kumar	PDE	Poster
10	169	Investigative Study Of Cylindrical Magnetron Plasma Device Through Probes During Film Deposition	Dr. BORAH, Sankar	PDE	Poster
11	187	Retarding Grid Energy Analyzer for measuring Ion energy Distribution in Plasma generated by Intense Ion Beam	Mr. MISHRA, Love	PDE	Poster
12	190	The Usefulness of Oblique view Electron Cyclotron Emission (ECE) calculations for ITER	Dr. P V, Subhash	PDT	Poster
13	200	Progress In The Design Of The ITER IN-DA ECE Diagnostic	Mr. KUMAR, Ravinder	PDT	Poster
14	214	Relativistic Guiding of Dark Hollow Laser Beam in Axially Nonuniform Plasma Channel	Ms. RAJPREET KAUR, Rajpreet	PDT	Poster
15	230	SIMULATION OF LASER COOLING FOR Li ATOMS IN 2-D: USING VLASOV METHOD	Mr. GUTHIKONDA, Nagaraju	PDT	Poster
16	234	AN OVERVIEW OF RESONANCE PROBE FOR DIAGNOSING COMPLEX PLASMAS	KARKARI, Shantanu	PDE	Poster
17	240	Analysis of 2-dimensional total radiation power loss profiles measured with tangential viewing infrared imaging video bolometer on the ADITYA tokamak	Dr. PANDYA, Shwetang	PDE	Poster
18	241	Investigation to increase thermal sensitivity of infrared imaging video bolometer using Finite Element Analysis and comparison with experimental results for different ultra thin metal foils used as radiation absorbing element	Mr. PATEL, Hitesh	PDT	Poster
19	298	Monte Carlo Simulation of Fixed-anode X-ray Source Spectra	Ms. MISHRA, Sapna Mishra	PDT	Poster
20	307	Conceptual Design Of Space Resolved Crystal Spectrometer For Aditya Upgrade Tokamak	Dr. CHOWDHURI, Malay Bikas	PDE	Poster
21	315	Optical imaging of SST1 plasma	Dr. GUPTA, Manoj Kumar	PDE	Poster
22	329	Development And Testing Of Prototype Soft X-Ray Imaging Camera In ADITYA Tokamak.	Mr. RAVAL, Jayesh	PDE	Poster

Plasma 2014 - Poster / Oral Papers
PLASMA DIAGNOSTICS (PD)

23	347	Design of Charge Exchange Diagnostic System for SST-1 Tokamak	Mrs. GUPTA, Snehlata	PDE	Poster
24	357	Developing high temperature compatible Langmuir probes and Data Acquisition system for CIMPLE-PSI	Ms. SAH, Puspalata	PDE	Poster
25	363	Modbus based integration of Stepper Motor Drives for Probes Positioning in Large Volume Plasma Device	Mr. SUGANDHI, Ritesh	PDE	Poster
26	364	A Novel Design of Emissive Probe for Plasma Potential Measurements in LVPD	Mr. SRIVASTAVA, Pankaj Kumar	PDE	Poster
27	366	In-situ Plane Switching (IPS) heating mechanism for high density plasma source in LVPD	Mr. SRIVASTAVA, Pankaj Kumar	PDE	Poster
28	397	Plasma Flows Measurement By Using Gundestrup Probe In ADITYA Tokamak	Dr. SANGWAN, Deepak	PDE	Poster
29	403	Emission Spectroscopic Study of Excitation Temperature in Argon and Nitrogen Plasma Jet	Mr. MEHER, Kailash	PDE	Poster
30	416	Observation On C III and H Emissions From The Vicinity Of Aditya Tokamak Limiter Using A Limiter Viewing Diagnostics	Mrs. MANCHANDA, Ranjana; Dr. CHOWDHURI, Malay Bikas; Mr. RAJ, Roshin S	PDE	Poster
31	430	Nonlinearity Compensation in Spectrographic Systems used for Plasma Diagnostics Application	Dr. DAS, Debi Prasad	PDE	Poster
32	449	Measurements of Chord Averaged Plasma Density at SST-1 Tokamak	Mr. ATREY, P. K.	PDE	Poster
33	478	Measurement of bulk plasma temperature using N2 molecular spectra in 6 MW plasma wind tunnel at VSSC, Trivandrum	Mrs. VIRANI, Niral	PDE	Poster
34	490	Detection of Na D Spectral Lines and Their Usage in Monitoring the Reduction Processes of Iron Oxide in Microwave Hydrogen Plasma	Ms. DAS, Sarita	PDE	Poster
1	206	Design and Development of Single Langmuir Probe, Double Langmuir Probe and Emissive Probe for Online Measurement of Plasma Parameters in ECR Ion Source.	Mr. KEWLANI, Hitesh	PDE	Oral
2	451	Development of a segmented plasma torch assisted simple experimental system to be used for high heat flux testing and Plasma Surface Interaction studies	Mr. NGANGOM, Aomoa	PDE	Oral

POSTER 34

ORAL 2