

List Of Accepted Abstracts

Paper No.	Affiliation	Abstract	Category	Mode	Author
1.	NIT Agartala	Simulation of ITER full-field ICWC scenario in JET: RF Physics Aspect	ISM	Oral	Manash Kumar Paul
2.	APPD BARC-V	High Power Microwave Generation from an Axially Extracted Virtual Cathode Oscillator	AMP-Micro	Poster	N. Satyanarayan
3.	NIT Surat	Miniaturized Antenna Inspired with Meta-material	Ant	Poster	Surabhi Dwivedi
4.	RFSS BARC	High Voltage "Opening Switch" Based Protection System for 60 KW, 350 MHz Tetrode Based RF System	DC	Poster	Sandip Shrotriya
5.	APPD BARC	Reduction in HPM susceptibility of electronic circuit using ground plane layer	ISM	Poster	Gaurav Khullar
6.	EED BARC-V	Study of a compact high power microwave system with a reflex triode and a Marx generator	AMP-Micro	Poster	Biswajit Adhikary
7.	IUAC	2 KW solid state VHF amplifier module for DTL at IUAC	AMP-RF	Poster	S. Venkataramanan A.N. Prajapati
8.	MSU Vadodara	Dielectric Studies of Polar Liquids and Their Mixture at Microwave and Lower Microwave Frequencies	INS	Poster	
9.	IPR	AXUV Bolometer Systems on Aditya and SST-1 Tokamaks for Estimating Input Heating Power Losses	INS	Poster	Prabhat Kumar
10.	EED BARC-V	Output Characteristics of Axially Extracted Virtual Cathode Oscillator with Graphite Cathode	AMP-Micro	Oral	Rishi Verma
11.	DoP GU	Dielectric Relaxation Studies of Binary Mixture of Diethylene Glycol Mono Phenyl Ether and Methanol by Time Domain Reflectometry in the Frequency Range 20 MHz to 25 GHz	ISM	Oral	H.A. Chaube
12.	IPR	Initial Stage Calibration & Testing of D-Band Super Heterodyne Phase Locked Interferometer System for SST-1 Tokamak	ISM	Poster	Umesh C. Dhobi
13.	IPR	Design, Assembly & Characterisation of the Front End D-Band Radiometer System (130-170 GHz) for ECE Measurements in SST-1 Tokamak	ISM	Poster	Abhishek Sinha
14.	DoP GU	Dielectric Relaxation of 2-Amino Pyridine in Benzene, Carbon Tetrachloride and 1,4-Dioxane from Microwave Absorption Studies at 30 ^o C	ISM	Poster	C.M. Trivedi

15.	SAC	High Power Testing of C-Band 12 Ch- OMUX in Thermo-vacuum Condition	INS	Poster	D.K. Shah
16.	SAC	Measurement of Passive Intermodulation of Ku-Band Output Filters and Multiplexers	INS	Poster	M.K. Thakar
17.	Hyderabad University	High K and Low Loss Dielectrics for High Power Microwave Ceramic Windows	COM	Oral	S. Bashaiah
18.	SAC	Realization of Low Energy Electron-Gun for Multipaction Test	INS	Poster	R. Shekhar
19.	SAC	Establishment of S-Band Waveguide Setup for High Power Testing of Payload Components	INS	Oral	Mrs. Apurva N. Patil
20.	IIT Chennai	Screen Printed Electric Field Sensor for Real Time Feedback Control During Electromagnetic Thermal Therapy of Cancer	ISM	Oral	Kayatri Kalyanasundaram
21.	IIT Chennai	Design of a Patch Antenna Applicator for Hyperthermia Treatment of Superficial Tissue Disease at 433 MHz	ISM	Poster	Geetha C
22.	IIT Chennai	Great Mistake in the Speed of the Light	ISM	Poster	Rajendiran S.
23.	CEERI	Simulation Studies on a 10 KW CW Magnetron for Industrial Application	AMP-Micro	Poster	S. Vyas
24.	IUAC	Broadband Exciter for Solid State Power Amplifier	AMP-RF	Poster	Parmanand Singh
25.	RRCAT	An Automated Test and Characterization System for Solid State RF Amplifier	INS	Oral	Vikas Rajput
26.	APPD BARC	Balanced TEM Horn Antenna for UWB System with Sub-nanosecond Rise Time	Ant	Oral	S.K. Singh
27.	VECC	Design & Development of Efficient High Power Broadband Combiner and Impedance Matching Transformer	COM	Oral	J.S. Prasad
28.	RRCAT	Development of Control System for 1 MW, 352.2 MHz Klystron Amplifier Based RF Test Stand	INS	Poster	Rinki Upadhyay
29.	VECC	RF Distribution System and High Power Testing of Accelerator Cavities of VECC-RIB Facility	ISM	Oral	H.K. Pandey
30.	IADD BARC	Design and Development of Power Divider/Combiners for Solid State RF Amplifier Required for Accelerator Development at BARC	COM	Oral	J.K. Mishra
31.	CEERI	Analysis of Electron Beam Misalignment for 170 GHz Gyatron	AMP-Micro	Poster	Nitin Kumar

32.	CEERI	Design Optimization of Depressed Collector for 170 GHz Gyatron	AMP-Micro	Poster	Udaybir Singh
33.	IUAC	20 KW VHF amplifier with combiner technique	AMP-RF	Poster	Rajesh Kumar
35.	BARC	Design and simulation for Relativistic Magnetron for Linear Induction Accelerator-400 System	AMP-Micro	Oral	Ankur Patel
36.	VJTI Matunga	Modeling and Analysis of Half TEM horn antenna and jolt antenna for UWB Application: A Comparative Study	ANT	poster	Sachin Umbarkar
37.	SAMEER	Development of 75 MHz 5 KW CW/Pulsed Transmitter System	AMP-RF	Oral	K.P.Ray
38.	Dept. of Physics, Uni. Pune	Study of 2.45 GHz Microwave Assisted ECR Plasma	ISM	Poster	Supriya E.More
39.	APPD BARC	Design and analysis of magnetic coil for Relativistic magnetron	Amp-RF	Poster	Vishnu Kumar Sharma
40.	Dept. of Physics, Sc. Of Sci., Guj. Uni	Dielectric studies of PPy Doped PVC-PMMA Blend films at Microwave Frequency	ISM	Poster	Susmita Mishra
41.	IIT, Kharagpur	Analysis and Design of Coaxial Resonator	COM	Poster	Krishna Kant Nainwal
42.	SAMEER	Development of a Pulse Modulator to Drive 6.5 MW Klystron For 15 MeV Electron Linac	COM	Poster	Kiran Thakur
43.	SAMEER	Single Spark Gap Based Impulse Generator for NEMP Simulator	INS	Poster	Gyanendra Verma
44.	IPR	Density Measurement in LVPD using Microwave Interferometer: A Validation of Langmuir Probe Measurements	ISM	Poster	S.Kumar
45.	PSB,SPL	Natural RF and Microwave Sources in Universe	AMP-RF	Poster	Vipin K.Yadav
47.	VECC	Design and development of precise IQ field vector rotation component for stable operation of analog IQ based LLRF control of RF cavity voltage	COM	Poster	S.Basak
48.	IPR	Interaction of High Power Microwave (HPM) and Plasma	ISM	Oral	Anitha V.P
49.	APPD BARC	100KV, 05KW, 20KHz AC Power Supply developing IGBT based 500V, 20KHz Inverter and tape-wound core 100KV, 20KHz Transformer	DC	Oral	Mukesh Kumar

50.	APPD BARC	Pulsed Power Source of 400Hz, 50KV, 10μsec pulse width and 6KW average output power using IGBT as switch and tape-wound core pulse transformer	DC	Poster	Mukesh Kumar
51.	IPR IIT,Bombay	Atmospheric Pressure Microwave Plasma Arc Source Activity at FCIPT and its Applications	ISM	Poster	Vishal Jain
52	SAMEER	Study of high power RF window for S-band linear accelerator system	COM	Poster	T Tiwari
53	SAMEER	Study of High Energy Linac System for Industrial Application	ISM	Poster	T Tiwari
54	RRCAT	Development of Solid State Amplifier Based High Power RF System for Testing SCRF Cavities in RRCAT VTS	AMP-RF	Poster	P.Mohania
55	RRCAT	Design & Development of 1KW, S-Band, Solid State Driver Amplifier	AMP-RF	Poster	A.Mahawar
56	VECC	Development of Ku-Band Waveguide Diplexer for Superconducting ECR Ion Source	COM	Poster	Anuraag Misra
57	ITER-INDIA, IPR	Requirement Definition of Local Control Unit for R&D Source of ICH&CD system	INS	Poster	Kumar Rajnish
58	CSIR-CEERI	Design and Development of Beam Stick Tube for a 350MHz Klystron	AMP-RF	Oral	D Kant
59	CSIR-CEERI	Thermal Simulation of Collector for High-Average Power Klystron	AMP-Micro	Poster	Arpit Raj
60	CSIR-CEERI	Cavity Simulation for a High Power X-Band Sheet Beam Klystron	AMP-Micro	Poster	A S.Nirmala Devi
61	IPR	Integration and commissioning of Solid-state Anode Modulator Power supply with 42 GHz, 500mS Pulsed Gyrotron	DCPS	Poster	N.Rajan Babu
62	ITER-INDIA, IPR	Development of Prototype Solid State Power Amplifier for ICRF Power Source	AMP-RF	Poster	Manoj.A.Patel
63	IPR	H.P.M Generation by VIRCATOR and Relativistic Magnetron Using Compact and Repetitive Generator at IPR	AMP-Micro	Oral	Rajesh Kumar
64	CSIR-IMMT	Microwave Plasma-Assisted Diamond Film Deposition for Optical Window Application	ISM	Poster	Sushmita Dey
65	IIT, Madras	Band Pass Filter Design with Sharp Roll-off and constant Group Delay for Microwave Medical Radiometry	ISM	Poster	Vidyalakshmi
66	IIT, Madras	A microwave free space measurement technique to detect concentration of conductive impurities in dilute mixtures	INS	Oral	Ragothaman R

67	ITER-INDIA, IPR	Inter Coil Radiation Load & Cross-talk in an ICP Source with Multi-Coil Antennas	ISM	Poster	Dass Sudhir
68	IPR	Frequency Variation of an Axial Virtual Cathode Oscillator	AMP-Micro	Poster	Renu Bahl
69	CSIR-IMMT	Production of Direct Reduced Iron Using Non Thermal Microwave -Assited Hydrogen Plasma	ISM	Poster	Priyanka Rajput
70	CSIR-CEERI	V-I Characterisation of Magnetron Injection Gun for 42 GHz 200 kW Gyrotron	AMP-Micro	Oral	Hasina Khatum
71	APPD BARC	40kV Solid-State Marx Adder using IGBTs	DC	Poster	Harshit Tyagi
72	ITER-INDIA, IPR	A Conceptual Design Study of RF Sources, Matching Network for ITER-DNB Source	AMP-RF	Poster	Sandip Gajjar
73	ISRO SAC	Development and Qualification of High Power Waveguide Diplexer for Deep Space Mission	COM	Oral	A.V.G.Subramanyam
74	SAMEER	Beam Loading Compensation for Electron Linac using high power Klystron	ISM	Poster	Abhay Deshpande
75	SAMEER	Development of 6 MeV Electron Linac for Industrial Applications	ISM	Poster	Abhay Deshpande
77	ITER-INDIA , IPR	Experimental Verification of Mode Purity of a Low Power HE ₁₁ Mode Converter Using Phase Retrieval Technique	AMP-Micro	Poster	Anjali Sharma
78	ITER-INDIA, IPR	Status of Local Control Unit (LCU) for ITER-INDIA Gyrotron Test Facility (IIGTF)	INS	Poster	Vipal Rathod
79	ITER-INDIA, IPR	An Overview and Status of ITER-India Gyrotron Test Facility (IIGTF)	AMP-Micro	Poster	Vipal Rathod
80	ITER-INDIA IPR	Series Ignitron Crowbar System For ITER-India Gyrotron Test Facility (IIGTF)	DC	Poster	Gaurav Joshi
81	ITER-INDIA, IPR	Validation of Indigenously Developed Finger Contact	COM	Poster	Rohit Agarwal
82	MTRDC	Experiments on Relativistic Magnetron with Diffraction Output	AMP-Micro	poster	Ajay Saini
83	Inter-india, IPR	Travelling Wave Resonator for ICH&CD Component Testing	COM	Poster	Akhil Jha

84	IPR	Design and development of a multi-element 3-db high power hybrid coupler	COM	Oral	Rana Pratap Yadav
85	CSIR-CEERI	Design of Staggered Closed PCM Focusing System for a X-Band Sheet Beam Klystron	AMP-Micro	Poster	Purna Chandra Panda
86	APPD BARC	Line-Type Modulator Development for 7.5MW Peak/7.5kw Average Single Beam Klystron	Amp-Micro	Poster	Abhijit Tillu
87	IPR	Calorimetric Pulse Power measurement technique for High Power Gyrotron	INS	Poster	Harshida Patel
88	IPR	High power test of 42GHz 500kW Gyrotron for ECRH system on tokamak SST-1	AMP-Micro	Poster	B.K.Shukla
89	CSIR-CEERI, ND	Prospects of Plasma Assisted Slow Wave Oscillator "PASOTRON" Development	AMP	Poster	Niraj Kumar
90	RRCAT, indore	Observations, Issues and Remedies during Installation and Operation of RF Interlock System for Indus-2 SRS	INS	Poster	Narendra Bhardwaj
91	RRCAT, Indore	I/Q Detection Scheme for Indus-2 RF System	INS	Poster	Shoubhik Chakraborty
92	RRCAT, Indore	31.6 MHz High Power Solid State RF Amplifier for Indus-1 SRS	Amp RF	Poster	Nitesh Tiwari
93	IPR	Arc fault protection devices for high power RF and microwave tubes and issues related to their performance	DC	Poster	Y.S.S.Srinivas
94	IPR	Diagnostics for the detection of High Power RF in tokamak	INS	Poster	Gayatri Ashok
95	IPR	Signal Monitoring, Data Acquisition, Interlocks and Control Electronics for 91.2 MHz, 1.5 MW (ICRH) System for SST-1	INS	Poster	H.M.Jadav
96	IPR	Mechanical Design of Water Cooling System for DST 42 GHz, 200 kW CW Gyrotron	Microwave	Poster	Atul Varia

97	IPR	Data Acquisition and control (DAC) system for real time remote operation, monitor and control of the IMW, 20-40 MHz ICRH system on the SST-1 machine	INS	Poster	Manoj Singh
98	IPR	Commissioning of 11kV, 2MVA Voltage Variation System for MW RF Power and Microwave Tubes	DC	Poster	Kirit Parmar
99	IPR	Ignitron Switch Based Fast Crowbar Protection System for 1.5 MW CWRF Amplifier	DC	Poster	Bhavesh R Kadia,
100	IPR	Real-time feedback control system for 500 kW fast ferrite ICRF tuner	INS	Poster	Ramesh Joshi
101	IPR	Enhancement of Uer Interface module for ICRH DAC software	INS	Poster	Ramesh Joshi