

## Final List of Accepted contributed papers in InPAC-2022

**All oral presentations are of 15 min (presentation) + 5 min (discussion)**

**All poster presentations are for 8 min (presentation) + 4 min (discussion) & the link for pdf poster should be shared with organisers**

**Please follow the instructions provided in the website for poster and manuscript preparation**

<b>Id</b>	<b>Title</b>	<b>Primary authors</b>	<b>Accepted type</b>
10	Manufacturing of Upgraded Dipole Vacuum Chambers for Indus-1 Electron Storage Ring, RRCAT	Brahmanand Sisodia; B. K. Sindal; Sunil Kumar Sharma; V. K. Bhatnagar; Girdhar Mundra; Digamber P. Yadav; B. N. Upadhyaya	Poster Presentation
11	Design and development of Workflow based software for managing the maintenance and upgradation activities during planned shutdowns of Indus Synchrotron Radiation facility at RRCAT	Gitika Khare; Surendra Kadwa; R.K. Nathwani; Alpana Rajan; Rajesh Kumar Sahu; Anil Rawat	Poster Presentation
12	Digital Predistortion technique for RF power amplifier linearization: Modelling and Simulations	Rajesh Keshwani; S Mukhopadhyay; Ravindra D Gudi; Gopal Joshi	Oral Presentation
13	Installation and Commissioning of RF protection and Interlock system at HTS facility, RRCAT	Rajesh Keshwani; C I Sujo; Sandeep Bharade; Mayur Sutar; Dheeraj Sharma; Ekansh Mishra; Gopal Joshi	Poster Presentation
14	EPICS7 BASED RF CONTROL SYSTEM FOR BARC-TIFR LINAC BOOSTER	SANDEEP BHARADE; RADHIKA NASREY; GURUNATH RANDE; J N KARANDE; SANJOY PAL; Paresh Motiwala; VANDANA NANAL; R PALIT; GOPAL JOSHI	Poster Presentation
15	K130 Room Temperature Cyclotron – an overview	Prodyut Sankar Chakraborty; A Goswami; D Sinhamahapatra; A Dey; Partha S Chakraborty; S Ghosh; P.K Behera; M Dash; R Kumar; R Ming; T Fatma; A Das; A Kumar; K.D Rao; T Mahalik; S Maji; A Bandyopadhyay; S Som	Oral Presentation
16	Design development of prototype RF tank circuit to power Low Energy Buncher	Bharat M Kukreti; Arun Agarwal	Poster Presentation
17	Measurement of beam profile in K130 Room Temperature Cyclotron at VECC	Debasis Sinhamahapatra; Animesh Goswami; Prodyut Sankar Chakraborty; Arup Bandyopadhyay	Poster Presentation

18	Phase space characteristics of space charge dominated bunched beam in AVF cyclotron	Animesh Goswami; Prodyut Sankar Chakraborty; Arup Bandyopadhyay	Oral Presentation
19	(2-30) MHz, 200 W Solid state RF power amplifier for BARC-TIFR Linac	Sujo Cheeran; Rajesh Keshwani; Mayur Sutar; Jitendra Karande; Palit R.; Vandana Nanal; Gopal Joshi	Poster Presentation
20	Development of 64-Way High Power Cavity Combiner at 325 MHz for an Indian RF Accelerator	Venkataramarao Bala; J K Mishra; Manjiri Pande; Gopal Joshi	Poster Presentation
21	Development of High-Power RF Window at 352 MHz for LEHIPA	Venkataramarao Bala; Gopal Joshi; Manjiri Pande	Poster Presentation
22	Status of Commissioning of the High-Power Waveguide Systems for LEHIPA	Venkataramarao Bala; Muthu S; Mishra J K; Manjiri Pande; Gopal Joshi	Oral Presentation
23	Design of a novel reconfigurable digital regulator for switching power converters	Anirban De; Sabyasachi Pathak	Poster Presentation
24	Thermal design of RF cavity for Compact Superconducting Medical Cyclotron	Sundeep Ghosh; Sujaan Khan; Sudeshna Seth; Bishwanath Manna; Jedidiah Pradhan; Subrata Saha; Vikash Sahoo; Surajit Ghosh; Umashankar Panda; Sabyasachi Pathak; Aditya Mandal; Nisith Kumar Das; Anjan Dutta Gupta	Poster Presentation
25	Power dependence of an RF oscillator on its operating frequency	SAMUEL LAWITLANG	Poster Presentation
26	Revisiting the optics of K-500 Cyclotron extraction beam line for efficient transport	Uttam Bhunia; Jayanta Debnath; Santanu Paul; Ankur Agrawal; Atanu Dutta; Jedidiah Pradhan; Malay Kanti Dey; Arup Bandyopadhyay	Oral Presentation
27	Graded Approach Based Safety Review of Medical Cyclotron Facilities (MCFs) in India	Manas Kumar Pathak	Oral Presentation
28	Design and Development of volume type multicusp Ion source at VECC for Medical Cyclotron	Chinmay Nandi	Poster Presentation
29	Design of [18O] water target for [18F] fluoride production in medical cyclotron	Sujaan Khan; Sundeep Ghosh; Anjan Dutta Gupta	Poster Presentation
30	Design of Solid Target	Sujaan Khan; Sundeep Ghosh; Anjan Dutta Gupta; Debashish Banerjee	Poster Presentation
31	Design and development of a high stability current controlled bipolar orbit correction coil power supply for Microtron.	VISHNU gauttam; Apollo Kasliwal; S. R. Tiwari	Poster Presentation

33	Development of Direct Cooled Compact Solid Target System for High Current Proton Beam Irradiation Experiment at Medical Cyclotron Facility	Dipak Kumar Baisnab; Binoy Kumar Maji; C David; R Govindaraj; Lijukrishnan P; Indranil Banerjee; V Vindod; N Gayathri; Paramita Mukherjee	Poster Presentation
34	Induced Activity studies on Bore probe of Super Conducting Cyclotron	Kousiki Ghosh Jana; Satish Mishra; Mausumi Sengupta Mitra; Ravishankar R	Poster Presentation
35	Relative complication based on mechanical tolerance in superconducting cyclotron	Dr. Jedidiah Pradhan; Atanu Dutta; Jayanta Debnath; Uttam Bhunia; Malay Kanti Dey; Anjan Duttagupta; Arup Bandyopadhyay	Poster Presentation
36	Measurement of energy differential neutron flux and estimation of ambient dose from ${}^7\text{Li}(p,n){}^7\text{Be}$ reaction	Arup Singha Roy	Oral Presentation
37	Conceptual design of Compact Superconducting Medical Cyclotron for medical diagnostic application	Jedidiah Pradhan; Aditya Mandal; Subrata Saha; S Ghosh; Biswanath Manna; Nisith Kumar Das; Anjan Duttagupta; Arup Bandyopadhyay	Poster Presentation
38	Design and Development of Simulator for EBWWT Accelerator	Arka Mitra	Poster Presentation
39	Development of an indigenous ARDUINO based Search & Secure System in FRENA	Minati Samanta; Abhijit Das; Chandranath Marick	Poster Presentation
40	Control architecture of prototype Ion source power supplies for MC18 at VECC	Saurabh Srivastava; Anirban De; Sabyasachi Pathak; Mousumi Garai; Anindya Sadhukhan; Arabindu Bera; Yashwant Kumar; S. K. Thakur	Poster Presentation
41	Design, development and testing of 6T prototype conduction cooled magnet assembly for high intensity proton accelerators	Kumud Singh; Janvin Itteera; Vikas Tiwari; Mahima Arya; Sanjay Malhotra; R R Singh; Sanjay Howal; M.C Fanade; Sunil Kumar; Rajesh Jalan	Oral Presentation
42	Design and Development of Simulator for Dual Energy RF Linac	Umakant Yerge	Poster Presentation
43	Design, development and qualification of hybrid magnet assembly for Indigenous 6MW S-Band Klystron tube	Kumud Singh; Mahima Arya; Janvin Itteera; Sanjay Malhotra; Sanjay Howal; Niranjana Kanoje; Rajesh Chimurkar; R R Singh; Rajesh Jalan	Poster Presentation
44	Design and development of DC regulated power supply bank for prototype ion source of MC18 cyclotron	Sabyasachi Pathak; Mrinal Kanti Ghosh; Arabindu Bera; Yashwant Kumar; Mousumi Garai; Anirban De; Saurabh Srivastava; Anindya Sadhukhan; S K Thakur; Manas Kr. Mishra	Poster Presentation
45	Study, simulation and optimization of magnetic field profile for ion implanter at 2.45 GHz frequency	Ram Swaroop; Narender Kumar; S.K. Mahapatra	Poster Presentation

46	An application based table-top neutron source	Darpan Bhattacharjee; Lucky Saikia; Smruti Ranjan Mohanty	Oral Presentation
47	Conceptual Design of Stainless Steel Helium Vessel for $\beta g=0.9$ 650 MHz Superconducting Cavity	Abhimanyu Bhardwaj	Poster Presentation
48	Optimisation of frequency tuner, coupler and pick-up probes of the 1.3 GHz RF deflector cavity developed for the ANURIB facility	Dipta Pratim Dutta; Siddhartha Dechoudhury; Md. Zamal Abdul Naser; Hemendra Kumar Pandey; Tapan Kumar Mandi; Arihant Kumar Jain; Vaishali Naik; Arup Bandyopadhyay	Oral Presentation
49	Design and Development of a RF distribution system for the RF cavities in the RIB facility at VECC	Tapan Kumar Mandi; Hemendra Kumar Pandey; Arihant Kumar Jain; Dipta Pratim Dutta; Vaishali Naik; Arup Bandyopadhyay	Poster Presentation
50	Magnetic measurement systems for accelerator magnets	Vikas Teotia; Sanjay Malhotra; Elina Mishra; Prashant Kumar	Oral Presentation
51	Applications of accelerators in health and medicine: A review	AMANDEEP SHARMA	Poster Presentation
52	Field Integral Characterization of undulator U48 for Delhi Light Source	Madhuri Aggarwal	Poster Presentation
53	Shielding calculation of Cyclotron Assembly and Test Facility, VECC	Sujoy Chatterjee; Malay Kanti Dey; Ashok Kumar Bakshi; B. K. Sapra	Poster Presentation
54	High Power RF Conditioning of the photocathode gun of IUAC-DLS	Bhuban Kumar Sahu; A Sharma; Padmanava Patra; J Karmakar; Bappa Karmakar; Madhuri Aggarwal; S Venkatramanan; P Singh; Y Mathur; Subhendu Ghosh	Poster Presentation
55	Synchronization and optical transportation of UV laser onto photocathode for electron beam generation at Delhi Light Source (DLS)	Bappa Karmakar; Madhuri Aggarwal; Joydeep Karmakar; Padmanava Patra; Ashish Sharma; Thomas Varughese; Bhuban Kumar Sahu; Subhendu Ghosh; Triveni Rao	Poster Presentation
56	Commissioning of Control Scheme for Beam Diagnostics and RF System of the Compact THz-FEL facility of IUAC	Ashish Sharma; Madhuri Aggarwal; Abhishek Kumar; Bappa Karmakar; Joydeep Karmakar; Padmanava Patra; Bhuban Kumar Sahu; V.V.V. Satyanarayana; Deepak Munda; Prem Verma; Kundan Singh; Abhijeet Sarkar; Subhendu Ghosh	Poster Presentation
57	Present Status of the LLRF Controls for RF Cavities of High Current Injector at IUAC	Veera Venkata Satyanarayana Venna; Ashish Sharma; Subhash Kumar Suman; Bhuban Kumar Sahu; Abhijit Sarkar	Poster Presentation
58	Development of a low energy ring cusp ion source for thruster applications	Bharat Singh Rawat	Poster Presentation

59	Beam optics design of 4th channel of extraction line of K500 Superconducting Cyclotron	Vinay Singh; Malay Kanti Dey; Arup Bandyopadhyay	Poster Presentation
60	Design & Optimization of 3 cell 1.3 GHz Superconducting RF Cavity for electron beam accelerator to treat wastewater	Pankaj Kumar	Poster Presentation
61	Design and optimization of a 100 kV DC electron gun for a 1.3GHz High Current Compact Superconducting Electron Accelerator	Pragya Nama	Poster Presentation
62	Design and optimization of a 1.3 GHz Gridded Thermionic Electron Gun for High Power Compact Superconducting Electron Beam Accelerator (HPCSEBA)	Anjali Bhagwan Kavar	Poster Presentation
63	EPICS interface with Cyclotron Model and Analysis tools in Superconducting Cyclotron	Anindya Roy; Jayanta Debnath; Pradhan Jedidiah; Malay Kanti Dey; Arup Bandyopadhyay; Sarbajit Pal	Poster Presentation
64	Design and development of calorimeter for RF power measurement and calibration	Arihant Jain; H. K. Pandey; Balram Nayan; Vaishali Naik	Poster Presentation
65	Experimental study to optimize the treatment efficacy of pharmaceutical effluents by combining electron beam irradiation with their existing treatment facility	Pankaj Kumar	Poster Presentation
66	MySQL based EPICS interface for Cyclotron Operation Database	Anindya Roy; Animesh Goswami; Prodyut Prodyut Sankar Chakraborty; Arup Bandyopadhyay; Sarbajit Pal	Poster Presentation
67	Electromagnetic Design, development and qualification of multi-pole cusp magnet assembly for Magnetron Sputtering Ion Source	Mahima Arya; Kumud Singh; Vikas Tiwari; Janvin Itteera; Himanshu Bisht; Sanjay Malhotra; Sunil Kumar; S B Howal; R R Singh; Rajesh K Jalan; M C Fanade	Poster Presentation
68	Design and Development of Programmable Timing and Trigger Unit	Puneet Maheshwari; Rishi Pal Yadav; Pravin Fatnani	Poster Presentation
69	Development and Commissioning of Control System for Beam Orbit Correction Coil Power Supplies in Microtron	Puneet Maheshwari; Bhavna Merh; Rishi Pal Yadav; Rajesh Agrawal; Pravin Fatnani	Poster Presentation
70	Development of Digital LLRF system for BARC-TIFR Superconducting LINAC	Gurunath Randale	Oral Presentation
71	Preparation of LiF targets in FRENA Target Laboratory	Suraj Kumar Karan; Lalit Kumar Sahoo; Dipali Basak; Tanmay Bar	Oral Presentation

72	Design of the Allison-type emittance scanner for beam from ion source of 18 MeV Medical Cyclotron	Javed Akhter	Poster Presentation
73	Development of an experimental setup for calibration experiment in FRENA	Tanmay Bar; Dipankar Das; Suraj Kumar Karan; Dipankar Das; Anindya Saha; Lalit Kumar Sahoo; Sukhendu Saha; Dipali Basak	Poster Presentation
74	Design of Wien Velocity Filter with tuneable magnetic field using permanent magnets	MANJEET MOR	Poster Presentation
75	Compact Shielding design for a 15 MeV electron linear accelerator	Aqsa Shaikh; Tanuja Dixit; Abhay Deshpande; Ramamoorthi Krishnan	Poster Presentation
76	High Voltage Test Results of Triode Type Electron Gun Using Spherical Cathode	JYOTI MISHRA	Poster Presentation
77	Development of an Automated Test Equipment for Characterisation of a Wide-band RF Amplifier	Satyam Rawat	Poster Presentation
78	Study of Charge Exchange in Gaseous Targets for Low Energy Carbon Ions Using LISE++ Simulations	Sivaranjani R; Deepak Yadav	Poster Presentation
79	Indigenous Development of Titanium coated Alumina Ceramic UHV Chambers for Pinger Magnets of Indus-2	*B.K. Sindal; K.V.A.N.P.S. Kumar; Vijay Singh Bais; T.R. Meena; Vijay K. Bhardwaj; B. Sisodia; B.N. Upadhyay; D.P. Yadav; Purushottam Shrivastava	Oral Presentation
80	Micro-stepping Stepper motor controller for Tuner and Coupler	AJAY TAKKE; MANOJ KUMAR T K; J N KARANDE; SANJOY PAL; Rudrajyoti PALIT; VANDANA NANAL	Poster Presentation
81	Studies on Connection Schemes of Fast-ramped Power Converters Energizing Series String of Electromagnets	Rahul Pokharkar	Poster Presentation
82	Radiation shielding optimization for high flux proton irradiation experiments	Sujoy Sen; David Christopher	Poster Presentation
83	Beam Dynamics Study for the design of an 18 MeV Medical Cyclotron	Jayanta Debnath; Malay Kanti Dey; Uttam Bhunia; Atanu Dutta; Jedidiah Pradhan; Santanu Paul; Arup Bandyopadhyay	Poster Presentation
84	STATUS OF THE BEAM PULSING SYSTEM OF PELLETRON-LINAC AT IUAC	Veera Venkata Satyanarayana Venna; Ashish Sharma; Sarvesh Kumar; Bhuban Kumar Sahu; Abhijit Sarkar	Poster Presentation

85	Design and development of a high stability phase shifted PWM power converter prototype of 270 degree bending magnet power supply for 10 MeV Linac .	VISHNU gauttam; Apollo Kasliwal; S. R. Tiwari	Poster Presentation
86	Status and Operational Experiences of RF & Microwave Amplifiers at IUAC	Yaduvansh Mathur; Parmanand Singh; VVV Satyanarayana; S Venkataramanan; Rajeev Mehta	Oral Presentation
87	High Voltage Power Supply (2kV/1.2A) Based on Hybrid Topology for Buncher of K-130 Cyclotron	Yashwant Kumar; Saurabh Srivastava; Arabindu Bera; V.K. Khare; S.K. Thakur	Poster Presentation
88	FFAG based achromatic bending section for transporting 6 MeV/u multiple charge state RIBs	Chiranjib Das	Poster Presentation
89	Remote control and monitor of electron gun power supplies over an Ethernet interface	ABHISHEK SINGH; Vinod Kusan Meshram; Anindya Sadhukhan	Poster Presentation
90	UPGRADATION OF DEE-INSET AND PULLER DRIVE SYSTEM FOR K-130 CYCLOTRON	Niraj Chaddha; Shantonu Sahoo; Sumantra Bhattacharya; Santosh Kumar Mishra; Gourang Mukherjee; Anindya Roy; Chinmay Nandi	Oral Presentation
91	Status of FRENA accelerator	Anindya Saha; Chinmay Basu	Oral Presentation
92	Operational experience with the VECC MC18 multi-cusp Ion source	Atanu Dutta; Uttam Bhunia; Ankur Agrawal	Oral Presentation
93	DESIGN STUDIES OF LOW BETA NIOBIUM QUARTER WAVE RESONATOR	N K Mishra; S Goel; R Sahu; P V Tyagi; A. A. Shinde; A. D. Singh; S. P. Singh; S. Pal; R. Palit; B. Srinivasan; V. Nanal; L. M. Pant; R. G. Pillay	Poster Presentation
94	Simulations to analyse the first electron beam detection at Delhi Light Source	Joydeep Karmakar	Poster Presentation
95	Laser-driven energetic particle ion sources	Santhosh Krishnamurthy	Oral Presentation
96	Initial operation of -55kV, 6MW pulse step modulation based high voltage power supply	Dishang Upadhyay; N.P Singh	Oral Presentation
97	Development of high power (200kW) solid-state 1MHz RF power source	Dishang Upadhyay; Sandip Gajjar; N.P Singh	Poster Presentation
98	Control system for a novel beam chopper for the study of long half-lives	S Pal	Oral Presentation
99	Titanium beam acceleration through LINAC at PLF, Mumbai	S. Pal	Poster Presentation
101	Operational and maintenance experience of a 400kV Accelerator in Dual Ion Irradiation System-a few case studies	Suresh Kanniappan	Poster Presentation

102	Implementation of High Resolution DPWM Scheme in FPGA using Second Order $\Sigma$ - $\Delta$ Modulator	Alok Singh	Poster Presentation
103	Design and implementation of a simple motor control circuit for remote control of the subsystems of a 400kV Accelerator	Suresh Kannappan; Navas J; Govindaraj R; David Christopher; Chandra Shekar N V; Raju S	Poster Presentation
104	Testing and commissioning of 1 MW, 352 MHz klystron system for 10 MeV DTL of LEHIPA	sandip Shrotriya; Niranjana Patel; shiju Ari; Shyam Sundar Jena; Manjiri Pande; Gopal Joshi	Oral Presentation
105	Holistic approach for reliability of electric power feed arrangement for synchrotron radiation facilities at RRCAT, Indore	SANDEEP AHLAWAT	Poster Presentation
106	Design and development of Interlock, Protection and Monitoring System of 20 kW Solid State Amplifier for Indian accelerator	Manjiri Pande; SHIJU A; Sandip Shrotriya; JK Mishra; Muthu S; Gopal Joshi	Oral Presentation
107	Indigenous development of bias supplies of Klystron for 10 MeV Drift Tube Linac of LEHIPA	Niranjana Patel	Poster Presentation
108	Electromagnetic systems for Deep Underground Neutrino Experiment (DUNE)	SUNDAR RAJAN SANKARAN; SANJAY MALHOTRA; GIRI UDAI SACHAN; VIKAS TEOTIA; JANVIN ITTEERA; PRASHANT KUMAR; PRAVIN RAI; VIKAS TIWARI	Poster Presentation
109	Ultra-low temperature Dilution refrigeration systems for Quantum Technologies	Kallol Mukherjee; P. K Rai; S.Sundar Rajan ; Sanjay Malhotra	Poster Presentation
110	Indigenous RF Power meter development for HF band RF amplifier	Shyam Sundar Jena; Sandip Shrotriya; Niranjana Patel; SHIJU A; Manjiri Pande; Gopal Joshi	Poster Presentation
111	Development of 500 W, 150 MHz Solid-state RF Power Amplifier for BARC-TIFR Super Conducting Linac	Venkata Ramarao Bala; Muthu S; J K Mishra; Pande Manjiri; Gopal Joshi	Poster Presentation
112	INTERLOCK AND PROTECTION SYSTEM OF 1 MW KLYSTRON RF SYSTEM FOR 20 MeV DTL OF LEHIPA	Sandip Shrotriya; SHIJU A; Niranjana Patel; Shyam Sundar Jena; Manjiri Pande; Gopal Joshi	Poster Presentation
113	Study of beam bunching using Multi harmonic buncher in the High Current Injector	Kumar Sarvesh; Veera Venkat Satyanarayana Venna; Ashish Sharma; Bhuban Kumar Sahu; Kedar Mal; Rahul Singh; G Rodrigues; Abhijeet Sarkar	Poster Presentation



115	RF design and optimization of a $\beta = 1$ , 1.3 GHz single cell accelerating cavity for High Intensity Compact Superconducting Linear Electron Beam Accelerator	Manisha Meena	Poster Presentation
116	Recent advances in Indus Complex Pulsed Power Supplies	Yogesh Kelkar; Yash Pal Singh; U. Karandikar; R. Barothiya; L. Srinivas; P. Renuka Nath; Deepchand; S.R. Tiwari	Poster Presentation
117	FPGA Based DPWM CONTROL FOR THYRATRON HEATER POWER SUPPLY	Lingam Srinivas; Yogesh Kelkar; Yash Pal Singh; S.R. Tiwari	Poster Presentation
118	Design and development of square coaxial line based Broad Band 70 kW Dual Directional Coupler with EIA 6 1/8 inch coaxial line interface	Alok Kumar Gupta; Akhilesh Jain; Mahendra Lad	Poster Presentation
119	Efficient Low- Temperature Refrigeration System for Diffusion pump baffle cooling of K-130 Cyclotron.	Mohd. Waseem Siddiqui	Poster Presentation
120	Design Study of Radio Frequency Cavity for Compact Superconducting Medical Cyclotron	Sudeshna Seth; Vikash Sahoo; Surajit Ghosh; Aditya Mandal; Anjan Dutta Gupta; Sundeep Ghosh; Sabyasachi Pathak; Umashankar Panda; Sumit Som	Poster Presentation
121	Design optimization for Superconducting Radio-frequency cavities	Elina Mishra; Vikas Teotia; Sanjay Malhotra	Poster Presentation
122	Status of Indigenous Development Program of Solid state RF amplifiers at BARC	Jitendra Kumar Mishra; Bala Venkat Ramarao; Snigdha Singh; Sandip Shrotriya; Muthu S; Muthu S; Gopal Joshi; Manjiri Pande	Oral Presentation
123	Design, development and testing of a 150 MHz, 300W solid state power amplifier for the BARC-TIFR PLF superconducting LINAC	snigdha singh	Poster Presentation
124	Porting of Embedded Real Time Linux and development of Experimental Physics and Industrial Control System (EPICS) SCADA Board Support Packages (BSP) for System On Chip (SoC) Platform	RADHIKA NASERY; Sandeep Bharade; Gopal Joshi	Poster Presentation
125	Design and Development of Embedded EPICS IOC based software for Low Level RF at Horizontal Test Facility (HTS-2), RRCAT	RADHIKA NASERY; Sandeep Bharade; Nibandh Kumar; Paresh Motiwala; Gopal Joshi	Poster Presentation

126	Automation and optimization of measuring instruments for Pulsed Magnet measurement	Ram Raj Yadav	Poster Presentation
127	Development of Tuner Control System for Testing of SCRF Cavity in HTS	Kuldeep Kumar Singh	Poster Presentation
128	Analysis and Design of Two-switch Forward Converter for Time-varying Load Conditions	Abhishek Srivastava	Oral Presentation
130	Engineering challenges in the development of Photocathode deposition facility for the Delhi Light Source (DLS), Delhi	Abhilash S R	Poster Presentation
131	Development of Beamline Booking Manager for Indus Synchrotron Radiation Sources	B. S. K. Srivastava	Poster Presentation
132	Development and deployment of Pinger magnet control system in Indus-2 SRS	Sampa Gangopadhyay	Poster Presentation
134	Undulator operation, control and effect on beam orbit in Indus-2 SRS	Rahul Rana; Rishi Pal Yadav; P. Fatnani	Poster Presentation
135	SOFB operation and performance assessment towards orbit stability in Indus-2 SRS	Rahul Rana; Rishi Pal Yadav; P. Fatnani; Surendra Yadav; Riyasat Husain	Poster Presentation
136	Prototype development of SR011 Spoke cavity made in Aluminium	NITIN NIGAM; Adarsh Pratap Singh; Anurag Chaturvedi; Ajay Sahu; Bidra Oraon; Shrikant Mandle; Sanjay Sharma; T Veerbhadraiah; Vikas Rajput; Deodatta Baxy; Navneet Sharma; Ganapati V. Kane; Vijendra Prasad	Poster Presentation
137	Design fabrication assembly and integration of eccentricity measurement system with cavity tuning machine	NITIN NIGAM; Shrikant Mandle; Santosh Chauhan; Ajay Sahu; Pramod Kumar; Navneet Sharma; Ganapati V. Kane; Vijendra Prasad	Oral Presentation
138	Dressing Joint Qualification of High Beta 650 MHz five-cell SCRF cavity	Syed Moulali	Poster Presentation
139	DESIGN AND DEVELOPMENT OF WIDE-BAND HIGH POWER RADIO FREQUENCY SOLID STATE POWER AMPLIFIER	Gaurav Kanyal	Poster Presentation
140	A high voltage crowbarless modular DC power supply for IOT amplifier in Indus-2 RF system	Akhilesh Tripathi	Poster Presentation
141	Development of Data Acquisition and Control system for Tuning of SCRF Cavities	S V Kokil	Oral Presentation

142	Development and Commissioning of Protection Subsystem for 40 kW/650 MHz Solid State RF Amplifier System, in Horizontal Test Stand, RRCAT	Narendra Kumar	Poster Presentation
143	SENSORS SYNCHRONIZATION FOR PULSED OPERATION OF SOLID STATE RADIO FREQUENCY AMPLIFIERS	Deepak Sharma	Poster Presentation
144	Power supplies for RF amplifiers at RRCAT	M. K. Badapanda	Oral Presentation
145	Development of time synchronized beam image acquisition and characterization application for hydrogen negative ion source	Rohit Mishra	Poster Presentation
146	Design and development of 90 kV triode electron gun	Yashwant Wanmode; Ashwin Pandey; Ankit Gupta; Mahendra Lad; Purushottam Shrivastava	Oral Presentation
147	Modification for Resolution Enhancement in Fast Thermometry System for Quench Detection in SCRF Cavities during Cold Test	Anand Yadav	Poster Presentation
148	Development of 6.0 MW, High Average Power S-Band Microwave System Test Stand	Reghu Thekkeppat; Jaikishan Mulchandani; Vagesh Mandloi; Prem Baboo; Mahendra Lad; Purushottam Shrivastava	Poster Presentation
149	Commissioning of Digital LLRF systems for RFQ, Buncher and DTL at LEHIPA, BARC	Alok Agashe; Radhika Nasery; Sandeep Bharade; Gopal Joshi	Oral Presentation
150	A real time beam emittance and twiss parameter measurement system for hydrogen ion source	Kuldeep Kumar Singh	Oral Presentation
151	Development of test stand for 50 V, 700 A solid state modular DC power supply	Rinki Upadhyay; Sachin Rathi; Akhilesh Tripathi; Rajeev Kumar Tyagi; M. K. Badapanda; Mahendra Lad	Poster Presentation
152	Saturation of Lasing of the IR-FEL at RRCAT	Bhaskar Biswas	Oral Presentation
153	Development of a 1 kW S-Band amplifier module based on planar Lim-Eom combiner	Ashish Mahawar	Poster Presentation
154	Development of RF power coupler for Radio Frequency Quadrupole	Ramesh Kumar	Oral Presentation
155	DESIGN AND DEVELOPMENT OF SWITCHED MODE PULSED POWER SUPPLY OF 400V/50A FOR HYDROGEN ARCING DISCHARGE	Kapil Motwani	Poster Presentation

156	Development of Undulator Vacuum Chamber for Infrared Free Electron Laser	Veerabhadraraih T; Brahmanand Sisodia; SC Vishwakarma; Ramshankar P; Sanjay Chouksey; Giridhar Mundra; AS Yadav; DP Yadav	Poster Presentation
157	Automatic Detuning of the RF Cavity in RF System of SRS Indus-2.	Ashish Bohrey	Poster Presentation
158	Automated, contactless startup of Digital Low-Level Radio Frequency system of Indus-2	Ekansh Mishra	Poster Presentation
159	DEVELOPMENT OF A PRECISION TRUE-BIPOLAR STEERING MAGNET DC POWER SUPPLY	Jayesh Balpande	Poster Presentation
160	Design, Fabrication and Testing of upgraded current measurement circuit up to femtoampere range for Ionization gauge	Sriharsha Vishnumolakala	Poster Presentation
161	Design and development of RF system for plasma processing of Superconducting RF cavities	Kunver Adarsh Pratap Singh	Poster Presentation
162	Design and Electromagnetic Simulation of RF Cavity at 499.75 MHz for Booster Synchrotron	M Prasad; Nitesh Tiwari; Pritam Singh Bagduwal; Mahendra Lad	Poster Presentation
163	HIGH PRESSURE RINSING FACILITY UPGRADATION AND SRF CAVITY PROCESSING IN NEW ISO CLASS -4 CLEANROOM	S. Suhane	Poster Presentation
165	Development of Python Based GUI setup for Field flatness measurement and tuning of Prototype SSR Cavity at 325 MHz	Kunver Adarsh Pratap Singh	Poster Presentation
166	Design Study and Electromagnetic Simulation of Broadband Ferrite Loaded RF Cavity	M Prasad; Pritam Singh Bagduwal; Nitesh Tiwari; Mahendra Lad	Poster Presentation
167	Qualification of b=0.92 650 MHz Superconducting RF Dressed Cavities of RRCAT for HB650 prototype CM of PIP-II	Vikas Jain	Oral Presentation
168	Electrostatic and Wake Impedance Simulations of Ion Clearing Electrode for New Vacuum Chamber of Indus-1	M Prasad; Saroj Kumar Jena; Nitesh Tiwari; Pritam Singh Bagduwal; Ekansh Mishra; Mahendra Lad	Poster Presentation
170	Ultra-High Vacuum Performance Evaluation of Upgraded Diagnostics Devices for Indus-2 and Prototype Beam Position Monitor for Low Emittance Storage Ring	*Shailesh Kumar Tiwari; Lokesh Kumar Babbar; Ajay Kumar Soni; Deepjwalit Vaishnav; D. P. Yadav; T. A. Puntambekar; Purushottam Shrivastava	Poster Presentation

171	Design and Development of Real Time Event Monitoring & Detection System for Low Level RF Control System	Pankaj Gothwal	Poster Presentation
172	Design and Development of Digital Low level RF System for RFQ at RRCAT	Nitesh Tiwari; Pritam Singh Bagduwal; Dheeraj Sharma; Ekansh Mishra; Nitesh Mishra; Pankaj Gothwal; M Prasad; Mahendra Lad	Poster Presentation
173	OPERATIONAL EXPERIENCE OF HIGH-POWER SOLID-STATE RF AMPLIFIERS DEPLOYED AT RRCAT	Akhilesh Jain	Oral Presentation
174	Low power RF characterization and high power testing of RF circulators	Rajiv Kumar Arora	Poster Presentation
175	IGBT SWITCH BASED BOUNCER COMPENSATED PULSE MODULATOR FOR 10 MeV ELECTRON LINAC APPLICATIONS	Jaikishan Mulchandani; Prem Baboo; Thekkeppat Reghu; Mahendra Lad; Purushottam Shrivastava	Poster Presentation
176	EXPERIENCE OF SURFACE PROCESSING AND TESTING OF HIGH PERFORMANCE 650 MHz 5-CELL SUPERCONDUCTING RF CAVITY AT RRCAT	Raghavendra S	Poster Presentation
177	Fabrication Experience of five-cell HB650 Bare SCRF cavities	Manish Bagre	Poster Presentation
178	Installation and Commissioning of 2.45 GHz ECR source for RIB Charge Breeder Line at VECC	Mahuwa Bhattacharjee; Chinmay Giri; Sayed Masum; Sunita Hansda; Sulagna Mitra; Dirtha Sanyal; Balram Kumar Nayan; Manas Mondal; Siddhartha Dechoudhury; Arup Bandopadhyay; Vaishali Naik	Oral Presentation
179	Design and Development of 650 MHz high power RF circulator	Ashish Kumar Tiwari	Oral Presentation
180	Multi-physics Analysis for 325 MHz Drift Tube Linac (DTL) for Future High Energy Proton Accelerator	Pranav Paliwal; Nidhin S.L.; Navneet Sharma; G V Kane; Vijendra Prasad	Poster Presentation
181	Development of FPGA based Control Module for Scan Magnet Power Supply of Electron Beam Radiation Processing Facility	JANARDHAN MUSUKU	Poster Presentation
182	New Radiation Safety Interlock Systems at Indus Accelerator Complex	VIMAL BHATNAGAR	Poster Presentation
183	Design and development of 90 kV, 2 A solid state hard switched modulator for electron gun	Ashwin Pandey; Mahesh Acharya; Jaikishan Mulchandani; Yashwant Wanmode; Reghu Thekkeppat; Mahendra Lad; Purushottam Shrivastava	Poster Presentation

184	Design and Development of 100kW/325MHz Tetrode Based Pulse RF power System for RFQ.	MUKESH JAIN	Poster Presentation
185	Experimental study on RF heating at 325 MHz for Industrial Applications	Jitendra Mishra; Venkataramarao Bala; snigdha singh; Manjiri Pande; Gopal Joshi	Poster Presentation
186	Study of upgraded photon absorber design for Indus-2 Storage Ring	SUSHIL SHARMA	Poster Presentation
187	Modelling and simulation of plasma generator for cold cathode arc discharge filament-based negative hydrogen ion source	Rajnish Kumar	Poster Presentation
188	Design and Simulation of 325 MHz Circulator for Solid State Power Amplifier	Jitendra Mishra; snigdha singh; Manjiri Pande; Gopal Joshi	Poster Presentation
189	Design of MicroBlaze SoC based VME CPU mVME2C for Accelerator Control Applications	Rishi Pal Yadav; Rahul Rana; Achal Kumar; Pravin Fatnani	Poster Presentation
190	Design of solenoid magnet for compact LEBT for proton Linac at RRCAT	Vanshree Thakur	Poster Presentation
191	Development, testing, evaluation & calibration of thermocouple sensors for temperature measurement of UHV Chambers in Indus-2.	Vishnu Pandey; Ramdular Yadav; Prateek Bhatnagar; D P Yadav; Purushottam Shrivastava	Poster Presentation
192	Design and development of a power combiner for ion beam buncher at VECC	Anuraag Misra; PY Nabhiraj	Poster Presentation
193	Simulation study of plasma generator for RF ignitor based Duoplasmatron positive hydrogen ion source	Rajnish Kumar	Poster Presentation
194	Control System for Horizontal Test Stand	Amit Chauhan; Rishi Pal Yadav; Manoj Kumar Meena; Rahul Rana; Dipak Sahu; Satish Batham; R. K. Agrawal; Pravin Fatnani	Poster Presentation
195	Development of X-link tuner as co-axial tuner for 1300 MHz and as end tuner for 650 MHz SCRF cavities	Vikas Jain	Oral Presentation
196	Multi-coupler power feeding for 80 MHz rod type radio frequency quadrupole (RFQ) Linac: Theoretical and experimental studies	H. K. Pandey; Siddhartha Dechoudhury; Vaishali Naik	Oral Presentation

197	Development of Fluxgate Multiplexer Module for HTS Control System	Dipak Sahu; Amit Chauhan; Hemant Kumar; R. K. Agrawal; Pravin Fatnani	Poster Presentation
199	Vacuum simulation of RF ignited multi-plasmatron ion source	Manish Pathak	Poster Presentation
200	Design Optimization Studies for a 9.5 MeV Constant Gradient Electron Linac for Societal Applications	Parul Arora	Poster Presentation
201	Commissioning of Upgraded 31.6 MHz RF System in Booster Synchrotron and Indus-1 SRS	Pritam Singh Bagduwal	Oral Presentation
202	Electromagnetic design study of higher order mode coupler for elliptical SCRF cavity	Prasanta Kumar Jana	Poster Presentation
203	Design and Development Methodologies of LLRF Systems for Accelerators at RRCAT	Pritam Singh Bagduwal	Oral Presentation
204	A comparative study of design of different types of superconducting accelerating structures for low energy section of a proton linac	Mukesh Kumar Pal	Poster Presentation
205	Electromagnetic design of RF couplers for a prebuncher cavity of industrial electron linac, and study of the beam loading effect in the prebuncher	Prasanta Kumar Jana	Poster Presentation
206	Development of RF accelerating structures for the injector system of a proposed THz-FEL at RRCAT	Shankar Lal; Saket Kumar Gupta; S. C. Vishwakarma; P. Chinna Rao; Ravi Kumar Pandi; Arvind Kumar; R. K. Gupta; Abhay Kumar; K.K. Pant	Poster Presentation
207	Design, Development and Installation of PLC Based RF Power Monitoring and Protection System for Booster Synchrotron and Indus-1 SRS	Nitesh Mishra	Poster Presentation
208	Radiation Shielding Calculations for the 10 MeV electron linac Injector test facility at VECC	Sujoy Chatterjee; Sulagna Mitra; Debasis Bhowmick; Vaishali Naik; Ashok Kumar Bakshi; B. K. Sapra	Poster Presentation
209	Leak Detection and Rectification in Insulating Vacuum of Horizontal Test Stand-2 Cryostat	Shailesh Gilankar	Poster Presentation
210	Beam Optics Design for injection line of 18 MeV Medical Cyclotron	Ankur Agrawal	Poster Presentation
212	Fast Cool Down Studies of HB650 SCRF Cavity of Cryomodule	Gaurav Agrawal	Poster Presentation

213	Effect of nitrogen infusion on the superconducting properties of high purity niobium used for SCRF applications	Jagdish Chandra	Poster Presentation
214	Design of Liquid Helium Cryostat for Testing of Superconducting Magnets	Nidhin S L	Oral Presentation
215	System Development for Low Magnetic Permeability Welding of Type 316L Stainless Steel for Application in Particle Accelerators	Ashutosh Pratap Singh	Poster Presentation
216	EPICS interface for Programable Trigger and Timing Unit	Rishi Pal Yadav; Puneet Maheshwari; Pravin Fatnani	Poster Presentation
217	High Speed ADC (HSADC631XX) data acquisition and processing platform for VME and Standalone applications	Rishi Pal Yadav; Rahul Rana; Pravin Fatnani	Poster Presentation
218	Optimization studies of 325 MHz Drift Tube Linac for the proposed IFSR project	Rinky Dhingra; Sachin Raturi; Nita S. Kulkarni; Vinit Kumar	Poster Presentation
219	Development of Oxide coated and dispenser cathodes	Nabhiraj Yalagouda	Poster Presentation
221	Development of drive system for turbo-molecular pump.	Kishore Rana; Subhadip Biswas	Poster Presentation
222	SCADA System for Remote Control and Monitoring of Vacuum Furnace for Aluminium Brazing	Seema Sheth	Poster Presentation
223	Upgradation of IRFEL S-band High Power RF system at RRCAT, Indore	akhil patel; Reghu Thekkeppat; Jaikishan Mulchandani; Yashwant Wanmode; Mahendra Lad; Purushottam Shrivastava	Poster Presentation
224	Commissioning of high power components of klystron based RF system for 10 MeV DTL of LEHIPA	snigdha singh; Sandip Shrotriya; Jitendra Mishra; Niranjana Patel; SHIJU A; Manjiri Pande; Gopal Joshi	Poster Presentation
225	Development of Extended Pole Sextupole Magnet	KAILASH RUWALI	Poster Presentation
226	COLD EP AND ITS ROUTE TO CURRENT OSCILLATION IN ELLIPTICAL CAVITIES	Aniruddha Bose	Poster Presentation
227	Development and Commissioning of VME based RF protection interlocks and monitoring systems at different accelerator facilities	Suju Cheeran; Rajesh Keshwani; Sandeep Bharade; Mayur Sutar; Gopal Joshi	Poster Presentation
228	Faraday Cup Electrometer Data Acquisition System for Linac beam pulsed current measurement	PIYUSH SAXENA	Poster Presentation



229	Effect of stray magnetic fields on electron beam	Rehim Rajan; Swati H.Das; Dharmendra kumar Sharma; Vijay Sharma; Sonali Parashar; Asavari S. Dhavale; Harshit Tyagi; Arka Mitra; Archana Sharma	Poster Presentation
230	Design and Development of Prototype Beam Position Monitor for Low Emittance Storage Ring	L. K Babbar; Abhay Kumar; P. Ganesh; Mukesh Kumar; Ajay Kumar Soni; Deepjwalit Vaishnav; D.P. Yadav; Rakesh Kaul; Brahmanand Sisodia; S.K. Tiwari; Y. Tyagi; Y. Sheth; T.A. Puntambekar	Poster Presentation
231	Automation of HVAC system for Indus-2 ring area at RRCAT, Indore	SANDEEP AHLAWAT	Poster Presentation
232	Design, Development and Installation of Twin Beam Position Indicator in Indus-2 Synchrotron Radiation Source	L. K. Babbar; Mukesh Kumar; B. N. Upadhyaya; V. K. Bhatnagar; D. P. Yadav; Brahmanand Sisodia; S. K. Tiwari; A. C. Holikatti; Surendra Yadav; Deepjwalit Vaishnav; Ajay Kumar Soni; Yogendra M. Sheth; T. A. Puntambekar	Poster Presentation
233	Parametric study of saturation of lasing of the IR-FEL through FEL Simulations	Sona Chandran	Poster Presentation
234	Lattice design of high brightness synchrotron radiation source with practical requirement of drift spaces for installing various components	Riyasat Husain	Poster Presentation
235	Beam dynamics with anti-bend and super-bend in low emittance storage ring	Riyasat Husain	Oral Presentation
236	Design, fabrication and characterization of prototype undulator of 56 mm period length	GAUTAM SINHA; Sreeramulu K; Ritesh Malik; Srinivasan B; Anil Mishra; Preveen Kumar; Rajesh L Prasad Shah; Navin Awale; Kailash Ruwali; S N Singh	Oral Presentation
237	Design and Development of compact Combined Function Magnet for Indus-1	SREERAMULU K.; Vanshree Thakur; Ashok Kumar; Subrata Das; Kushraj Singh; Preveen Kumar; Rajesh Prasad Shah; Navin Awale; Bhim Singh; S.N. Singh	Oral Presentation
238	Design and Development of Digital Multichannel LLRF Control for Booster Synchrotron & Indus-1 SRS	Dheeraj Sharma	Poster Presentation
239	Multiphysics study of an optimized $\beta = 1$ , 1.3 GHz single cell superconducting cavity	Manisha Meena	Poster Presentation
240	Operational Status of the Superconducting Linac at IUAC	Abhishek Rai	Poster Presentation

241	Design, development and testing of Solid state e-gun modulator for Industrial 10MeV RF electron Linac	vivek yadav; Abhijit Tillu	Poster Presentation
243	Realization of 1.4 kW Solid State RF amplifier module at 107.5 MHz for high power RF system	Rajendra kumar deo deo	Poster Presentation
244	Fast Beam Based Alignment procedure in High Brilliance Synchrotron Radiation Source	Saroj Kumar Jena	Poster Presentation
245	Engineering design (Multi-physics Analysis) of the SSR-B cavity for MEHIPA	Bhmeshwar Ponagani; Roushan Abhishek	Poster Presentation
246	Ion Clearing Studies for Dipole Chamber of Indus-1 Storage Ring	Saroj Kumar Jena	Poster Presentation
247	Commissioning of LLRF system for control of field in AES-10 SCRF cavity in HTS at RRCAT	Nibandh Kumar Shahi; Paresh Motiwala; RADHIKA NASERY; Rajesh Keshwani; C I Sujo; Sandeep Bharade; Gopal Joshi; Dheeraj Sharma; Ekansh Mishra	Oral Presentation
248	Design studies for a medical proton synchrotron	Rajni Pande	Poster Presentation
249	Langmuir probe measurements for plasma characterization of magnetron sputtering ion source for rare earth metal	Vikas Tiwari; Janvin Ittera; Mahima; Kumud Singh; Himanshu Bhist; Sanjay Malhotra ; R.R. Singh; Sanjay Howal	Poster Presentation
250	Interplay of coherent and incoherent effects due to non-linear space charge in a periodic FD channel	Rajni Pande; Monika Phogat; Srinivas Krishnagopal	Poster Presentation
251	Comparison studies of the 90 degree stopband in a DTL for different focusing lattices	Rajni Pande	Oral Presentation
252	Co-existence of compressive and rarefactive solitary waves in coupling of Langmuir wave and dust acoustic wave in warm plasmas	Runmoni Gogoi	Poster Presentation
253	Comparison of superconducting elliptical cavity shapes for high power CW linac	Rajni Pande; Garima Rajpoot	Poster Presentation
254	Field Tuning and Stabilization of the LEHIPA DTL1 Tank	AMAN BAJAJ; Srinivas Krishnagoopal; MANAS RANJAN MISHRA; Vyaghri L S Rao Sista	Oral Presentation
255	Beam Lifetime Studies in Booster of HBSRS	Pradeep Kant; Ali Akbar Fakhri; A. D. Ghodke	Poster Presentation
256	Study of single-particle resonances in a high intensity particle beam using the particle-core model	Monika Phogat	Poster Presentation

257	On-axis Injection Scheme for Booster Synchrotron of High Brilliance Synchrotron Radiation Source	V K Meena; Ali Akbar Fakhri; A. D. Ghodke	Poster Presentation
258	Lyapunov exponent and fixed-point analysis for an intense charged particle beam propagating through a periodic focusing channel	Monika Phogat	Oral Presentation
259	Strategy for First Turn Beam Circulation in High Brilliance Synchrotron Radiation Source	V K Meena; Ali Akbar Fakhri; A. D. Ghodke	Poster Presentation
260	Design of a wall current monitor for LEHIPA	Aman Bajaj	Poster Presentation
261	Physics design of a 40 MeV Medium Energy High Intensity Proton Accelerator (MEHIPA-I)	Shweta Roy	Oral Presentation
262	Development and characterization of an indigenous, compact multi-cusp microwave plasma source	Monika Phogat	Poster Presentation
263	Study of Single Bunch Instabilities in High Brightness Synchrotron Radiation source	Abdurrahim Abdurrahim	Poster Presentation
264	Numerical optimization of longitudinal magnetic field profile in a dipole for emittance reduction in electron storage ring	Suraj Prakash; Riyasat Husain; A. D. Ghodke	Poster Presentation
265	Development of test set-up and characterization of ceramic disks for coaxial RF couplers for MEHIPA-1	Sonal Sharma; Rajesh Kumar	Poster Presentation
266	Beam based calibration of beam position monitors and corrector magnets in Indus-2 storage ring	Suraj Prakash; Riyasat Husain; Rahul Jain; A. D. Ghodke	Poster Presentation
267	Design and optimization of a focusing solenoid for a 1.3 GHz High Current Compact Superconducting Electron Accelerator	Pragya Nama	Poster Presentation
268	Design of 325 MHz RF couplers for superconducting spoke resonators in MEHIPA-1	Sonal Sharma; Rajesh Kumar	Poster Presentation
270	Simulation of 50 keV/700 mA low emittance thermionic electron gun for 10 MeV Linac	Pramod R; Monika Rana; A.D. Ghodke; S.G. Goswami; R.S. Choudhary; R.S. Sandha; Ajay Kumar; A.K. Karnewar; Y.D. Wanmode; Jishnu Dwivedi	Poster Presentation

271	Multiphysics analyses of 3 cell Superconducting RF Cavity for electron accelerator	Pankaj Kumar	Poster Presentation
272	Production and measurement of RIB of 43K+ in the LASER spectroscopy beam-line of ISOL facility at VECC	Ayan Ray; Pratanu Chakraborty; Md.Sabir Ali; Vaishali Naik; Arup Bandyopadhyay	Oral Presentation
273	Simulation of 20 keV/100 mA strip electron gun for testing photon absorbers	Monika Rana; Pramod R; A.D. Ghodke; B.K. Sindal; Sujata Joshi; D.P. Yadav	Poster Presentation
274	Development of Diagnostic Devices for the Measurement of Beam Parameters of Electron Gun and Linac-3	A. K. Karnewar	Oral Presentation
275	Design and testing of high-power RF couplers for the LEHIPA DTL	Mentes Jose; Gireesh Singh; Rajesh Kumar; Srinivas Krishnagopal	Oral Presentation
276	Salient design features of high power Cockcroft-walton generator for 1MeV DC accelerator	Dharmendra Kumar Sharma	Poster Presentation
277	Development of large scale irradiation set up for induced-mutation of grains using low flux proton beam in air at 14 UD Pelletron Accelerator	Jayprakash Nair	Oral Presentation
278	Digital Technology based RF Control and Instrumentation for Accelerators	Paresh Motiwala	Oral Presentation
279	Instability analysis of a self-consistent high-intensity beam through a solenoid channel.		Poster Presentation
280	Development of Vibrating Wire setup to determine the magnetic axis of solenoid	Ashok Kumar	Poster Presentation
281	Low energy beam transport design for MEHIPA-1 with a bending magnet.	Pallavi Priyadarshini	Poster Presentation
282	Beam Profile Monitor Digitizer at 14UD Pelletron Accelerator	Gaurang Agrawal	Poster Presentation
283	Design and Development of Scan Width Confirmation System of Industrial Linac	R. Jain	Poster Presentation
284	Design and Analysis of Plate Fin Heat Exchangers in the perspective of Helium Liquefier/Refrigerator	Yedhukrishnan PU; Sandip Pal	Poster Presentation
285	Beam dynamics studies for LEHIPA based on the measured parameters.	Pallavi Priyadarshini	Poster Presentation

286	Development of Software for Indus-2 Post-Mortem Beam Position Data Analysis	R. Jain	Poster Presentation
287	Development of Prototype Electronics for Beam Position Monitors in LEHIPA	Deepak Mathad	Poster Presentation
288	Developmental Activities and Performance of 14 UD Pelletron Accelerator	J. A. Gore	Poster Presentation
289	Effect of Non Evaporable Getter (NEG) coating on Resistive Wall Impedances in ultra-low emittance electron storage ring	Pradeep Kumar; Abdurrahim Abdurrahim; D.K. Tyagi; A,D, Ghodke	Poster Presentation
290	Momentum acceptance and Touschek beam lifetime estimations in ultra-low emittance electron storage ring	Pradeep Kumar; Abdurrahim Abdurrahim; D.K. Tyagi; A.D. Ghodke	Poster Presentation
291	System Diagnostics in Indus-2 Control System	Kutbuddin Saifee	Poster Presentation
292	Non-Linear Beam Dynamics Studies for Booster Lattice of High Brilliance Synchrotron Radiation Source	Ali Akbar Fakhri; Pradeep Kant; A. D. Ghodke	Poster Presentation
293	Estimations of RF parameters during injection and beam acceleration in medical Proton Synchrotron	Pradeep Kumar; Abdurrahim Abdurrahim; D.K. Tyagi; A,D, Ghodke	Poster Presentation
294	Status of Indus-2 Control System	Rajesh Kumar Agrawal	Oral Presentation
295	Prototype Microcontroller-based Instrumentation for Protection and Power Monitoring of RF Components in LEHIPA	Santhosh Chittimalla	Poster Presentation
296	Analysis of Turn-by-Turn BPM Data at Indus-2 Electron Storage Ring	Deepak Kumar Tyagi	Poster Presentation
297	Engineering of the LEHIPA DTL used for 6.8 MeV acceleration	Piyush Jain; Roushan Abhishek; Deepak Mathad; Jose V. Mathew; Srinivas Krishnagopal	Oral Presentation
298	Design and performance study of new RF cavity for 20 MeV Injector Microtron.	Deepak Kumar Mishra; Subhajit Dutta; K.V.S. Rama Rao; Jishnu Dwivedi	Poster Presentation
299	Experimental setup and preliminary measurements for improved tuning of $2\pi/3$ Traveling wave linear accelerators.	Hitendra Yadav; Deepak Mishra; Rajeshwar S Sandha; Subhajit Dutta; Jishnu Dwivedi	Poster Presentation

300	Characterization and commissioning of the LEHIPA MEBT	Jose V. Mathew; S.V.L.S. Rao; Manas R. Mishra; Deepak Mathad; Pallavi Priyadarshini; Hitesh Kewlani; Bhumeshwar Ponagani; Aman Bajaj; Mentos Jose; Gireesh Singh; Sumit Garg; Laxman Tayade; Srinivas Krishnagopal	Poster Presentation
301	Simulation and experimental measurements of low emittance thermionic electron gun.	Deepak Kumar Mishra; Subhajit Dutta; Rajeshwar Sandha; Jishnu Dwivedi	Poster Presentation
302	Status of super-conducting post-accelerator development for VECC RIB facility	Arup Bandyopadhyay	Poster Presentation
303	Laser tracker alignment framework and results for LEHIPA accelerating structures	Roushan Abhishek	Poster Presentation
304	Local Control and Remote Integration of the Regulated High Voltage Power Supply for LEHIPA	SHIV KUMAR YADAV; Deepak Mathad; Sudheer Singh; Athaullah Syed; DIGAMBER HARISH RATHOD; PRAVIN PARATE; Shammu Sultana Shaik	Poster Presentation
305	Design of a Machine Protection System for MEHIPA	Sudheer Singh	Poster Presentation
306	Development of ion source for lanthanide metals	Janvin Itteera; Mahima; VIKAS TIWARI; Kumud Singh; Himanshu Bisht; SANJAY MALHOTRA; R R Singh	Poster Presentation
307	On the FMR and magnetic properties of high density ferrimagnetic garnets for high power cw RF circulators with garnet disc resonators	Dr. Lakshmikanta Aditya; Ramkesh Meena; Sheshnath Singh	Oral Presentation
308	LEHIPA Commissioning to 6.8 MeV by acceleration through the first DTL tank	Jose V. Mathew; Roushan Abhishek; Aman Bajaj; Arindam Basu; Santhosh Chittimalla; Sumit Garg; S. H. Gharat; Alok Ghosh; Piyush Jain; Mentos Jose; Hitesh Kewlani; Deepak Mathad; Manas Ranjan Mishra; Rajni Pande; Pravin Parate; Monika Phogat; Bhumeshwar Ponagani; Pallavi Priyadarshini; S.V.L.S. Rao; Sherry Rosily; Shweta Roy; Sonal Sharma; Gireesh Singh; Laxman Tayade; Sudheer Singh; Rajesh Kumar; Srinivas Krishnagopal	Oral Presentation
309	Status and recent upgrades of LCW system for the RIB facility at VECC	Balram Nayan; Manas Mondal; A. Jain; Vaishali Naik; Arup Bandyopadhyay	Poster Presentation
310	Present status of vacuum systems for VECC accelerators	AMIT SARKAR; Srimanta Bhattacharya; Arup Bandyopadhyay	Poster Presentation

311	Suppression of Multipacting in a Superconducting Spoke Cavity Using Higher Order Modes	Alok Ghosh	Poster Presentation
312	Degaussing and Bucking coil system for Maintaining Magnetic Hygiene during cryogenic testing in HTS	Subrata Das	Poster Presentation
313	Commissioning of Regulated High Voltage Power Supply for LEHIPA	Athallah Syed; SHIV KUMAR YADAV; Deepak Mathad; Sudheer Singh; DIGAMBER HARISH RATHOD; PRAVIN PARATE; B. Maurya; J Pakhare; B M Barapatre; N P SINGH	Poster Presentation
314	Transverse Collimator Studies of Ring to Target Beam Transport Line for a 1 GeV Proton Beam	Urmila Singh	Poster Presentation
315	Development of Software for Optimization of Indus-2 Beam Injection System Power Supplies using MFO Algorithm	Surendra Yadav	Oral Presentation
316	Design and characterization of 270o Dipole Magnet for ARPF	Ritesh Malik	Poster Presentation
317	Development of 9.5MeV, 10kW linac meeting energy regulations on food irradiation	R.S. Sandha; S.G. Goswami; Jishnu Dwivedi; R.S. Choudhary; Pankaj Kumar; Rakesh Soni; Ajay Kumar; Hitendra Yadav; Divya Purohit; V.C. Petwal; Y. Wanmode; T. Reghu; J.K. Mulchandani; Praveen Mohania; Mahendra Lad; Seema M.; Jatin Jotangia; Ashesh Gupta; Pravin Fatnani; Parul Arora; Amalendu Sharma; Nita Kulkarni; Vinit Kumar; Pramod R; A Ghodke; A Karnewar; A.C. Holikatti; B.B. Shrivastava; Rahul Jain; T.A. Puntambekar; V.K. Gauttam; A. Kasliwal; B.K. Sindal; D.P. Yadav; Sanjay Sharma; T. Veerbhadriah; Abhay kumar; G. Mundra; G. Haridas; Gautam Sinha; K Sreeramulu; S.N. Singh	Oral Presentation
318	Thermal design and simulation of LDMOS Amplifier heat sink for development of Re-circulating High Power Accelerator	Divya Purohit	Poster Presentation

319	Commissioning and performance optimization of 9.5MeV, 10kW food irradiation linac	R.S. Sandha; Parul Arora; Amalendu Sharma; Nita Kulkarni; Vinit Kumar; Ajay Kumar; Hitendra Yadav; A Thirupathi; Pankaj Kumar; V.C. Petwal; Jishnu Dwivedi; R.S. Choudhary; Y. Wanmode; T Reghu; Praveen Mohania; Seema M; Jatin Jotangia; Ashesh Gupta; A. Karnewar; B.B. Shrivastava; Ritesh Malik; Gautam Sinha; T.A. Puntambekar	Poster Presentation
320	Development of cooling system of industrial linacs	R.S. Choudhary; R.S. Sandha; S.G. Goswami; Jishnu Dwivedi; Rakesh soni; D. Nanda; R.M. Pandey	Poster Presentation
321	Engineering development of 50keV electron gun for food irradiation linac	S.G. Goswami; R.S. Sandha; R.S. Choudhary; Jishnu Dwivedi; Ajay Kumar; Y. Wanmode; Pramod R; A Ghodke; A Karnewar; Parul Arora; B.K. Sindal; T.A. Puntambekar	Poster Presentation
322	Design and Development of Beam Scanning System for Industrial Linac	Rakesh Kumar Soni; Divya Purohit; Pankaj Kumar; S G Goswami; V C Petwal; B N Sisodia; T Veerbhadraiah; Sanjay Sharma; B K Sindal; Jishnu Dwivedi	Poster Presentation
323	Design and Development of 50 kV, 2 A, 16 $\mu$ s, 300 Hz Marx Modulator for Electron Guns	Mahesh Acharya; T. Reghu; Mahendra Lad; Purushottam Shrivastava	Poster Presentation
324	Development of Beam Delivery Systems for Industrial Linacs at RRCAT	Pankaj Kumar; R K Soni; Divya Purohit; S G Goswami; R S Choudhary; Ritesh Mallik; Kailash Ruwali; Gautam Sinha; K Sreeramulu; Parul Arora; P K Goyal; Amalendu Sharma; Vinit Kumar; B N Sisodia; T Veerbhadraiya; Sanjay Sharma; Vivek Bhatnagar; Sanjay Choukse; S N Singh; Jishnu Dwivedi; T A Puntambekar	Poster Presentation
325	Comparative Parametric study of thermionic gridded gun between CST mesh cells and MATLAB approach.	Anjali Bhagwan Kavar	Poster Presentation
326	Pressure vessel for neutrino detectors- Technology solution to meet scientific goals	Prashant Kumar; VIKAS TEOTIA; SANJAY MALHOTRA	Poster Presentation



327	Design and development of energy limiting system for food irradiation Linac	Pankaj Kumar; R K Soni; Divya Purohit; Ritesh Mallik; Gautam Sinha; K. Sreeramulu; Parul Arora; Amalendu Sharma; Vinit Kumar; B N Sisodia; T Veerbhadraiya; Sanjay Sharma; Vivek Bhatnagar; Sanjay Choukse; S N Singh; Jishnu Dwivedi; T A Puntambekar	Poster Presentation
328	Initial Thoughts on the control system for the next generation Synchrotron Radiation Source	P. Fatnani	Poster Presentation
329	Induced Air activation and radiation shielding adequacy study of ANURIB building at Rajarhat site Kolkata	Ravishankar R	Oral Presentation