

Abstracts selected for POSTER Presentation

Reg ID	Abs ID	Author	Affiliation	Category	Title
140	521	B. B. Shrivastava	Raja Ramanna Centre fo	F1	Development and Preliminary Evaluation Results of Prototype 100 nm Spatial Resolution Digital Beam Position Monitor Envisaged for H
149	500	Arindam Basu	BARC	F1	NoSql based Data Archiving system for LEHIPA
153	408	Pallavi Priyadarshini	Bhabha Atomic Research	C1	Physics design of MEHIPA LEBT for 30 keV proton beam
153	412	Pallavi Priyadarshini	Bhabha Atomic Research	C2	Analogy of particle-core model with a variable-length pendulum
153	413	Pallavi Priyadarshini	Bhabha Atomic Research	F1	Tomographic reconstruction of the phase-space distribution
154	370	Rajesh Keshwani	Scientific Officer BARC	F11	Statistical Methods for assessment of RF amplifier linearization
154	369	Rajesh Keshwani	Scientific Officer BARC	F11	Unscented Kalman Filter as SC cavity detuning estimator
155	416	Rajni Pande	BARC	C5	Coherent and Incoherent Space Charge Resonances in a Drift Tube Linac
157	241	Vijay Kumar Meena	RRCAT	C1	Proposed closed orbit correction scheme for indus-1 storage ring
158	528	Manitosh Kumar Singh	RRCAT	E15	Improvement in Indus-2 Coolant Temperature Stability During Beam Energy Ramp up with Flooded Evaporator Type Chiller System
161	440	Vikas	Raja Ramanna Centre fo	F4	Study of the effect of location of laser tracker on alignment uncertainty of components in circular particle accelerators
163	485	Rinki Upadhyay	Raja Ramanna Centre fo	E6	Control protection interlock system of 50 V, 700 A DC power supply for solid state RF amplifier in Indus-2
164	286	Alok Kumar Gupta	RRCAT, Indore	E3	Power Combining topology for CW 32kW-650 MHz Solid State RF Amplifier (SSPA) installed at Horizontal Test Stand (HTS) facility, RR
165	244	siddharth vardhan pratih	Variable Energy Cyclotro	F12	Modelling and Simulation of Temperature Stabilization System for Voltage Reference to be used in Precision Magnet Power Supply
165	242	siddharth vardhan pratih	Variable Energy Cyclotro	F2	EPICS-based Embedded Control System for Deflector Conditioning System of K-500 Superconducting Cyclotron
166	403	Rinky Dhingra	RRCAT, Indore	A2	Development of a Computer Program for Longitudinal Beam Dynamics Studies in a Traveling Wave Constant Impedance Electron Linac
166	317	Rinky Dhingra	RRCAT, Indore	A4	Three-dimensional Electromagnetic Simulations of a Constant Gradient Traveling Wave Accelerating Structure Integrated with RF Coup
169	141	Nand Kishor Mishra	Nuclear Physics Division,	B3	Simulations of frequency correction of Quarter Wave Resonator using electropolishing
170	475	Akhilesh Tripathi	Raja Ramanna Centre fo	E6	Power factor correction techniques employed with DC power supplies of various RF amplifiers in Indus-2
172	132	Sivaranjani R	Society for Applied Micro	A1	Study of 30 MV High Energy Electron Linear Accelerator Technology for Medical and other Applications
173	502	Vivek Kumar Srivastava	RRCAT, Indore	E2	Development of Titanium gr-2 Bellows for HB 650 MHz 5-cell SCRF cavities
174	359	Ekansh Mishra	RRCAT, Indore	F11	Auto-configurable Clock Divider for Digital Low-Level Radio Frequency System of Infrared Free Electron Laser
176	325	Sachin Raturi	Raja Ramanna Centre fo	B3	Numerical studies and simulation of field stabilization and tuning of a 325 MHz Drift Tube Linac
180	86	ajit singh	BARC, Mumbai	A2	Thermal Analysis of Beam Locating Aperture for Beam Diagnostics in Electron Beam DC Accelerator
180	84	ajit singh	BARC, Mumbai	A2	Residual Stress Distribution in Titanium Alumina Brazing Joint with Effects of Thermal Cycles in Accelerating Tube of DC Accelerator
181	100	TRIJIT KUMAR MAITI	VARIABLE ENERGY CY	E7	Comparative exergetic and parametric evaluation of an existing helium liquefier with a simulated model in mixed mode operations
183	81	Rajesh Barnwal	BARC	A1	Design, fabrication and testing of fin tube heat exchanger for 1MeV DC Electron beam accelerator
185	109	vijay sharma	BARC	F1	PLC based centralized control system for 1MeV DC Accelerator control
186	150	ACHAL KUMAR	Raja Ramanna Centre fo	F8	Disciplined Software Clock for New VME CPU
189	327	Love mishra	SO-D, BARC	C10	Beam Characterization of 2856 MHz Reentrant Single Cell Pre-Buncher RF Cavity
190	318	Ashwin Chalisgaonkar	RRCAT, Indore	F1	Design and development of FPGA based data acquisition card for RF based H- ion source beam current
192	496	Shashikant Suhane	RRCAT	E2	Processing and Cleanroom Preparation of SCRF Cavities for Performance Testing in VTS Cryostat
193	472	ASHISH MAHAWAR	RRCAT	E3	Design and Development of a 1 kW Pulse RF Amplifier with Integrated Power Meter and Pulse Generator for ECR Proton Source
193	469	ASHISH MAHAWAR	RRCAT	E3	Design and Development of S-Band Low Level RF System for 10 MeV, 10 kW Electron Linear Accelerator KIRTI-1010
193	461	ASHISH MAHAWAR	RAJA RAMANNA CENTR	E3	Design and Development of Pulse 2 kW Solid State amplifiers for Energizing S-Band Pre-Buncher Cavity of 10 MeV, 10 kW LINAC dev
196	154	Chinnathambi S	Materials Science Group,	G3	Development of a versatile low temperature irradiation system for radiation damage studies
200	270	Ram Prakash	Proton Accelerator Group,	B3	Development of a 3D Particle in a Cell (PIC) solver for multipacting study
201	479	Sachin Rathi	Raja Ramanna Centre fo	E6	Installation and commissioning of high voltage DC power supply with electron gun for power testing of photon absorbers
204	304	Shantonu Sahoo	Variable Energy Cyclotro	F11	FPGA based digital I/Q demodulator for LLRF control system at RIB Facility in VECC
209	94	Sandeep Kumar Raghupr	Society for Applied Micro	G1	Experimentation and Demonstration of Dual Energy with Klystron based Medical Linac
210	422	JYOTI SHARMA	Bhabha Atomic Research	A2	Optimisation of Titanium foil thickness for electron beam irradiation applications of DC Accelerator
211	126	Subhendu De	Indian Institute of Techno	A4	Exploring quantum fluid clusters with photoelectron-photoion coincidence spectroscopy at accelerator-based photon sources
212	107	Umakant Yerge	Bhabha Atomic Research	A2	Design and development of pulsed data acquisition system for industrial RF Linac

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213	114	Rehim N.Rajan	HBNI, BARC	F1	Transient protection of low voltage systems in DC accelerator
214	127	Dharmendra Kumar Sharr	Bhabha Atomic Research	A1	High beam power operation of DC Accelerator: Opportunities and Challenges of 1MeV/100kW DC EBA at Electron Beam Centre, Khar
216	236	JITENDRA	TIFR	E2	Bead Pull Test Setup for low beta Niobium Cavity
217	108	Mou Chatterjee	VECC/DAE	E15	Development of a prototype induction heating system For solid and metal ion beam generation in ECR ion sources.
218	262	Rahul Jain	RRCAT	F1	Development of Beam Position based Interlock System for Indus-2
220	137	Shreya G Sarkar	Accelerator & Pulsed pow	D6	Beam dynamics simulation of 300 keV RF modulated gridded triode electron gun
222	292	catarina rozario	TIFR	F1	Control and Monitoring of Steerer Power Supply on EPICS Platform
223	455	Moonooku Prasad	Raja Ramanna Centre fo	E1	Design, Development and RF Characterization of Tunable RF Cavity for LLRF Control Systems
226	105	sirisha majji	BARC, Mumbai	G2	Development of hydrogels and dose indicators using indigenously developed electron beam accelerator
228	145	ATANU DUTTA	Variable Energy Cyclotro	B2	Physics Design of a 50 MeV Proton Cyclotron for Rare Ion Beam Production
229	465	Rishi Kant Sharma	Raja Ramanna Centre fo	E7	Design, development and installation of cryogenic safety system of Horizontal Test Stand
229	464	Rishi Kant Sharma	Raja Ramanna Centre fo	E7	Design and fabrication of cryogenic distribution box for Horizontal Test Stand at RRCAT
230	425	Dr Saurabh	Variable Energy Cyclotro	F1	Design and development of high voltage amplifier communication system using optical fiber
233	210	Kunver Adarsh Pratap Sin	RRCAT	E2	Simulation and development of 650 MHz high power dummy coupler of superconducting RF cavity for Qext measurement
234	155	Dr. Nishant Chaudhary	Bhabha Atomic Research	A2	Dosimetry characterization of dual energy electron accelerator for energy and spot size verification
235	411	LOKESH KUMAR BABBA	RAJA RAMANNA CENTR	A4	Design and Development of Ultrahigh Vacuum Compatible Upgraded Fluorescent Screen Monitor for Indus-1 Upgrade
235	410	LOKESH KUMAR BABBA	RAJA RAMANNA CENTR	A4	Design and Development of Ultrahigh Vacuum Compatible Upgraded Synchrotron Light Monitor for Indus-1 Upgrade
236	146	HIMANSHU BISHT	BHABHA ATOMIC RESE	D5	Characterisation of the effect of unbalancing coil on the developed ion source
237	119	Arka Mitra	BARC	A1	Data Acquisition system for transient analysis of EBWWT Accelerator
238	118	Debasis Sinhamahapatra	VECC	B2	Studies of the PIG ion source behavior in K130 cyclotron at VECC
239	311	Mukesh Kumar Pal	Raja Ramanna Centre fo	A7	Development of a computer program for design of diode type electron gun
239	300	Mukesh Kumar Pal	Raja Ramanna Centre fo	B3	Study of cumulative beam breakup instability in spoke resonator section of a 1 GeV pulsed H- linac
240	516	Mohan chandra tiwari	Raja Ramanna Centre fo	E9	Design and Development of Isolated Two Winding Bouncer Scheme for Droop Correction in Hard Switched Modulator
243	549	Manish Kumar Singh	RRCAT	E8	Design and Impedance Simulation of RF-Shielded Bellow and Pumping Manifold for Indus-1 Upgradation
244	264	Vishnumolakala Sriharsha	Raja Ramanna Centre fo	E8	Development of a 20 KeV, 2 kW DC strip type electron gun system for testing photon absorber of Indus-2 SRS
246	357	saurabh mukherjee	Bhabha Atomic Research	G3	Simulation of low energy positron bunching in 150 MHz quarter wave resonator
247	449	Ashwin Pandey	RRCAT	E9	Design and development of floating pulse power supply for triode electron gun
249	447	Ashok Kumar	Raja Ramanna Centre fo	E15	Development of Helmholtz Coil based Measurement System for Characterization of Permanent Magnet Blocks
251	121	vivek yadav	BARC	A2	Design, development, installation, safety compliances and testing of 10MeV, 5kW Horizontal RF electron Linac being developed for indu
252	124	SWADHITI MAJI	VECC	C1	Study of beam dynamics in a superimposed solenoid and dipole magnet
253	177	Yogesh Kelkar	Raja Ramanna Centre fo	E9	Vertical Pinger Magnet Power Supply for Indus - 2
254	178	Lingam Srinivas	RRCAT, INDORE	E9	Design and Development of Digitally Controlled Power Converter for Thyatron Auxiliary Power Supplies
255	173	Biswajit Mallick	Institute of Physics, Bhub	D2	Designing of a cold plasma setup for material modification
255	548	Biswajit Mallick	Institute of Physics, Bhub	G3	Alloying effect of gold nitride by applying MeV-proton ionization
256	208	Gurupreet Singh	Accelerator Power Suppl	E6	Design and Development of Ethernet based Remote Card for generation of Programmable Reference for Bipolar Current Controlled Po
257	393	Nitesh Mishra	RRCAT	E1	Design and Development of PLC Based RF Cavity Tuner System for 31.6MHz RF Cavities in Indus complex
258	129	Tejas Rane	Bhabha Atomic Research	E7	Design Methodology of a Vertical test cryostat in BARC Mumbai for testing of superconducting cavities
259	253	Suraj Prakash	RRCAT	C1	Preliminary simulation studies on closed orbit correction in HBSRS storage ring
261	204	Veeresh K Nayak	Bhabha Atomic Research	A2	Design and development of pulse transformer for Pico-second Electron Accelerator Klystron modulator at RPCD, BARC
262	142	Sanjay Kumar Jain	BARC	E7	Control and Instrumentation system of Indigenous LHP100 Helium Liquefier Plant at BARC
263	362	Deepak Kumar Mishra	Raja Ramanna Centre fo	A3	Electromagnetic Simulation of 107.5 MHz Co-axial RF Cavity and Its Higher Order Mode identification.
264	397	Dheeraj Sharma	Raja Ramanna Centre fo	E2	Digitally Controlled Precision RF Signal Synthesis for LLRF Applications
266	140	Gaurav Kanyal	RRCAT	E3	Design and development of 100 kW, 325 MHz tetrode tube based high power RF pulse amplifier
267	219	Saroj Kumar Jena	Raja Ramanna Centre fo	A8	Study of on-axis Longitudinal Beam Injection in Storage ring of High Brilliance Synchrotron Radiation Source
268	164	Ujjwal Yadav	RRCAT, Indore	A4	Modification of Loop Control PCB of FOFB Power Supplies to Simplify Tuning Procedure and Provide Interchangeability between Horiz
271	191	Subhash Ghosh	Variable Energy Cyclotro	G3	The ion beam induced target heating phenomena
272	453	Parul	Raja Ramanna Centre fo	A2	Numerical studies for evolving measurement methodology for characterization of single cell in constant gradient traveling wave linac

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273	488	Namrata Joshi	Bhabha Atomic Research	F12	Development of Protocol Converter for Lab Windows and EPICS
274	269	Ranjini Menon	Variable Energy Cyclotro	A7	Compact Hollow Cathode plasma source for high current electron beam generation
276	559	Gaurang Agrawal	Bhabha Atomic Research	F3	Simulation of feedback control of beam position and an implementation of algorithm for beam focusing in BARC-TIFR Pelletron Accelerator
277	163	sabyasachi mitra	BARC	E6	Design and simulation studies of 40 kV, 80A solid state magnetron modulator
278	431	RAHUL GAUR	Raja Ramanna Centre fo	B3	Cold test and RF tuning of the first section of 3 MeV, 325 MHz RFQ at RRCAT
279	285	BK Sindal	RRCAT	E8	Design, simulation, development and UHV testing of upgraded prototype dipole vacuum chamber for Indus-1 SRS at RRCAT
280	382	T Reghu	Raja Ramanna Centre fo	E9	Development of Test stand for Performance Evaluation of High Voltage PFN Capacitors
281	564	Nair Jayprakash Parames	1.Nuclear Physics Divisio	G6	Low Flux Heavy Ion irradiation Set up at BARC-TIFR Pelletron Accelerator
282	186	Vishnu Kumar Gauttam	RRCAT Indore	E6	Design and Development of 3 kW, Active PFC Pre-regulator for Super Conducting Wavelength Shifter Magnet Power Supply
283	261	Abhijit Tillu	Bhabha Atomic Research	E9	Deisgn and Development of HV Pulsed magnetron modulator for Dual Energy Linac Applications
284	406	RAVDHEER SINGH SAIN	FEL and Utilization Sectio	A6	Performance Optimization of the IR-FEL at RRCAT
287	199	Pokharkar Rahul Rohidas	RRCAT Indore, HBNI Mu	E6	Simulation Studies on Series Connected Fast-Ramped Power Converter Modules for Booster Synchrotron
288	567	Sonal Sharma	Bhabha Atomic Research	E1	High power (30 kW) testing of resonant ring in traveling-wave mode
288	566	Sonal Sharma	Bhabha Atomic Research	E2	Thermo-mechanical analysis of MEHIPA couplers
289	267	Sushil Kumar Sharma	RRCAT	E8	Design and simulation analysis of vacuum system of SWLS insertion device for Indus-2 Synchrotron Radiation Source
290	167	Saurabh	RRCAT, Indore	F2	FPGA Based VMEbus Compatible Location Monitor Board
292	315	Vinit Kumar	Raja Ramanna Centre fo	C7	A review of calculation of emittance growth for some common cases in accelerator physics
293	180	Rakhee Menon K	Bhabha Atomic Research	C10	Particle-in-Cell Simulation Studies of Rod Pinch Diode at 250 – 500 kV Voltages
294	168	Ankur Agrawal	VECC	E4	Design and development of steerer magnet for extraction beam line of superconducting cyclotron
295	194	Dhruva Bhattacharjee	Bhabha Atomic Research	A7	Performance of 40 kV electron gun with beam trials in a 10 MeV Rf Linac system
296	497	Vinod Maurya	Raja Ramanna Centre fo	E12	Our Experiences in Establishing and Managing Reliable and Secure Network Connectivity Over Public Communication Channels for Mission Critical Applications
297	363	Bhuban Kumar Sahu	Inter University Accelerat	A6	Final Commissioning of the high-power RF system for Conditioning of the RF photocathode gun at higher field gradient
298	223	MUKESH KUMAR JAIN	RRCAT	E3	Design Study on Solid-state RF Power System for 10MeV Re-circulating High Power Accelerator (RHFA)
299	309	Mahima	Bhabha Atomic Research	D5	Design, Development and Characterization of three electrode ion beam extraction system for Magnetron Sputtering Ion Source
300	200	MANOHAR KOLI	Raja Ramanna Centre fo	E6	Development of High-Stability True-Bipolar Power Converters for Upgraded Closed Orbit Distortion Correction Scheme in Indus-1 Storage Ring
301	334	Manish Pathak	Raja Ramanna Centre fo	B7	Optimization of Operating Parameters of ECR Proton Source in Pulsed Mode
302	365	SHYAM SUNDAR JENA	ACnD, BARC	E3	Indigenous development of 13.56 MHz RF amplifiers
303	402	N B V Subrahmanyam	BARC	B1	Status Report of FOTIA Facility at BARC
304	190	Vineet Kumar Dwivedi	RRCAT, INDORE	E6	Design and Development of 125 A, 25 V Power Converters for Combined Function Corrector Magnets in Indus-1 Storage Ring
305	542	snigdha singh	Bhabha atomic research	E1	Design upgrade and characterization of 200 W, 325 MHz driver amplifier with high gain for 20 kW solid state amplifier under IIFC
305	498	snigdha singh	Bhabha Atomic Research	E1	Integration and testing of 150 MHz, 300 W solid state RF amplifier with superconducting cavity of BARC-TIFR PLF Superconducting LINAC
305	493	snigdha singh	Bhabha Atomic Research	E1	Design and simulation of a VHF band directional coupler for high accuracy power measurement of 150 MHz, 300 W Solid State Amplifier
306	573	Ankit Tiwari	RRCAT Indore	E7	Selection of HB 650 Cryomodule Control Valves & Development of Excel VBA Program
307	193	Alok Singh	RRCAT	E6	Design and Simulation of Upgraded 800 A, 140 V Power Converter for Indus-1 Dipole Magnet
308	272	Sandip Shrotriya	Bhabha Atomic Research	E3	Conditioning, testing and phase measurement of 1 MW, 352 MHz klystron system for 20 MeV DTL of LEHIPA
309	234	Sanjoy Pal	PLF, TIFR	F1	Development of Area Radiation Monitor Readout at PLF
309	240	Sanjoy Pal	PLF, TIFR	F7	Remote Monitoring system for high-temperature Vacuum Furnace
310	256	Monika Rana	RRCAT	A7	Effect of Wehnelt potential on the beam parameters of a 20 keV strip type DC electron gun and its initial beam trials
311	314	sunil kulkarni	NPD, BARC	F11	FPGA based data acquisition and control for accelerators
312	209	Rajneesh Tiwari	APPD, BARC	A7	Experimental study of performance of a LaB6 cathode thermionic electron gun after long shutdown
313	217	Madhu A Toley	RPCD, Bhabha Atomic Res	A2	Upgradation, Modification and RF Testing of line type modulator of 7 MeV Electron LINAC used for Pulse Radiolysis Experiments at RP
315	294	vikas tiwari	Bhabha Atomic Research	C1	Design and development of unipotential Electrostatic focusing element for heavy metal ion beam isotopes
316	245	R B Chavan	Bhabha Atomic Research	F6	Development of Simulator for 10MeV RF Linac
317	441	Dr. B V Ramarao	Bhabha Atomic Research	E3	Status of Design and Testing of 20 kW solid-state RF Power Amplifier for Buncher Cavity of LEHIPA
318	214	Deepchand	RRCAT Indore	E6	Design and fabrication of cold plates for dipole power converter of Indus-2 at RRCAT
319	282	Pravin Kumar Rai	BHABHA ATOMIC RESE	E5	Development and characterization of persistent current joints for superconducting magnets
320	254	NIRAJ CHADDHA	VARIABLE ENERGY CY	E4	Development of B-H Curve Measurement System Using Rowland Ring Method

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322	257	Sunil J. Shinde	BARC	A2	Upgradation, Modification & Testing of High D.C. Current Power Supplies used for Main Focus and Buncher Focus Coils of 7MeV Electrodeless Resonator
323	227	Salil Varma	Chemistry Division, Bhabha Atomic Research Centre	G3	Radiation based ethylene oxidation studies and impact of radiation products on pressure tubes
324	228	Anand Valecha	RRCAT	F1	Development of Prototype Serial Bus Communication Analyzer System
325	276	Kuldeep Kumar Singh	Raja Ramanna Centre for Advanced Studies	E2	Development of Transfer Function Measurement System for Elliptical High Beta Superconducting RF Dressed Cavity
327	322	Alark Patidar	RRCAT, Indore	A6	HOLISTIC APPROACH FOR DESIGN AND CONSTRUCTION OF THz-FEL BUILDING AT RRCAT
328	574	Gaurav Agrawal	RRCAT	E7	Design of Vacuum Vessel for HB 650 MHz Cryomodule
329	320	Ambar Vohra	Raja Ramanna Centre for Advanced Studies	E2	Design and Construction of an ISO Class-4 Cleanroom Facility for SRF Cavity Processing and Assembly
330	348	Monika	Ion Accelerator Development Division	B7	Characterization of a multi-cusp ECR plasma source for different power coupling schemes
332	508	VIJAYAKUMARV	RRCAT, Indore	E2	EB welding of Helium Vessel Assembly for 650 MHz SCRF Dressed Cavities
333	252	Udai Giri Pratap Singh Sarda	BARC	E5	Design, development and testing of 1.5 Tesla Superconducting magnet for compact MRI
334	246	Prashant Pareek	Raja Ramanna Centre for Advanced Studies	A3	Development of Pinger Magnets for Indus-2 Electron Storage Ring
337	255	Kallol Mukherjee	BARC	E7	Design, Development and testing of 1 Kelvin refrigeration test setup
338	278	Nitin Nigam	Raja Ramanna Centre for Advanced Studies	E2	Design Methodology for Forming Tooling of SCRF cavities
338	277	Nitin Nigam	Raja Ramanna Centre for Advanced Studies	E2	Mechanical Design of Spoke Resonator Cavity for High Energy Pulsed Proton Accelerator
339	288	AnuragC	RRCAT, Indore	E1	Thermal Characteristics and Frequency Tuning Methodology for 325 MHz RFQ structure
340	572	Hemant Kumar Patel	RRCAT	E7	Design analysis of strongback and cavity support for high beta 650 MHz cryomodule at RRCAT
341	376	Akhilesh K Karnewar	RRCAT, Indore	F1	Development of Energy Measuring Device and the Measurement of Energy and Energy Spread for the Industrial Linac
342	352	Rohit Mishra	Raja Ramanna Centre for Advanced Studies	F2	Remote Control Applications for operation of Hydrogen Negative Ion Source
345	296	SHAMPA AICH	IIT-Kharagpur	E4	Effect of Dy Substitution at Nd Sites in Melt-spun Nd-Fe-B Permanent Magnet Ribbons
351	308	Dr. Manoj Kumar	VECC Kolkata	E7	Process modeling and thermodynamic performance evaluation of a turboexpander based helium liquefier
352	494	Anand Yadav	Raja Ramanna Centre for Advanced Studies	E2	Design and development of setup for 650 MHz $\beta=0.92$ SCRF cavity to study the effect of trapped magnetic flux on cavity performance
355	473	Arihand kumar jain	VECC	F1	Development of Camera Triggering Setup for Beam Diagnosis of e-LINAC at RIB and its integration with EPICS based control system
356	462	Abhishek Rai	Inter University Accelerator Centre	E2	Recent Developments in the Superconducting Linac at IUAC
358	374	Sabyasachi Pathak	VECC, DAE & Homi Bhabha Atomic Research Centre	E6	Design, Development & Commissioning of Series Regulator based High Voltage Regulated RF Power Supply for K-130 Room Temperature Superconducting Linac
361	336	Kumar Sajal	BARC	A1	Thermal-Structural Analysis and Creep Life Estimation of PMMA Insulator Support in HV Transformer of DC Accelerator
362	344	Dr. Divya Gupta	Kurukshetra University	G3	Surface structuring of PMMA polymer by 30 keV argon beam erosion
363	340	S DEWANGAN	Scientific Officer-G	E6	Analysis, Design and Development of High Voltage Surge Protection for High frequency Transformer and IGBT Inverter of 1MeV, 100kV
364	342	Janvin Itteera	Bhabha Atomic Research Centre	E4	Electromagnetic Design of Bending magnets for LBNF beamline
365	346	Baibhaw Prakash	BHABHA ATOMIC RESEARCH CENTRE	G2	Thermal Characterisation of Indirectly Heated 40kV Solid Cathode Electron Beam Emitter Assembly for Linac
367	372	Shubham Tripathi	Variable Energy Cyclotron	F11	Development of Prototype LLRF System for 18 MeV Cyclotron
368	399	VIKASH SAHOO	Variable Energy Cyclotron	E1	Multipacting Analysis of the Radio Frequency Cavity for Compact Superconducting Medical Cyclotron
368	401	VIKASH SAHOO	Variable Energy Cyclotron	F11	Upgradation of Low Level RF System for K500 Super Conducting Cyclotron
369	356	Tushar Dave	Raja Ramanna Centre for Advanced Studies	A2	Design studies for a pill box type accelerating structures with beam ports and coupling loop using analytical and perturbation techniques
370	388	balkrishna arora	Variable Energy Cyclotron	E3	DESIGN AND SIMULATION OF 8-WAY HIGH RF POWER COMBINER AT 75.6MHz
371	575	Narendra Kumar	Raja Ramanna Centre for Advanced Studies	E1	Development and Commissioning of a Thermal Profile Data Logging and Protection Subsystem for Indus-2 RF Cavity
376	452	Pritam Singh Bagduwal	Raja Ramanna Centre for Advanced Studies	F11	Design and Development of Up-Graded Digital RF Gap Voltage and Phase Regulation Control System
377	535	RISHI VERMA	Bhabha Atomic Research Centre	G5	Electron LINAC as photo-neutron source for neutron radiography application
378	569	S A Nadkarni	BARC, Mumbai	A2	Dose calculation program on Windows platform for pulse radiolysis experiments at RPCD, BARC
379	368	Suprakash Roy	VECC	G1	Present Status report of 30MeV Medical cyclotron Facility at VECC, Kolkata
380	400	Janardhan Musuku	RRCAT	F8	Development of Multi-Channel Programmable Trigger Generator for Linac of Electron Beam Radiation Processing Facility
381	396	Pankaj Gothwal	Raja Ramanna Centre for Advanced Studies	E3	Prototype Development of Digital Controllers for Multi-Module Current Sharing Power Supply for RF Amplifiers
382	384	Akash Deep Garg	Raja Ramanna Centre for Advanced Studies	F1	Measurement of Electron Beam Size by using Synchrotron Radiation Interferometer in Indus-2
383	509	Sweta Agarwal	BARC Trombay	F1	Prototyping of FPGA Based Timing and Interlock System for ECR Ion Source
384	520	Jitendra Kumar Mishra	BARC	E1	Advances and Challenges in development of high power solid state RF power amplifier for accelerator applications
384	519	Jitendra Kumar Mishra	BARC	E3	Design and development of 24 way power combiner of 20 kW 325 MHz solid state power amplifier for IIFC
385	531	Lakshmikanta Aditya	RRCAT Indore	E15	Design and Development of NiAlCo Ferrites for High Power Circulator at S-Band
387	429	Radhika Nasery	Bhabha Atomic Research Centre	E1	Multi-Objective Genetic algorithm optimization for control systems in Accelerator Systems

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392	405	Satendra Kumar	Bhabha Atomic Research	G3	Experimental Investigation of Interface Diffusion in Electro-Magnetic Welding
394	537	Yashwant Kumar	Variable Energy Cyclotro	E6	Design, development and testing of 200V, 1A power supply for grid electrode of RF amplifier tube of MC18 cyclotron
394	435	Yashwant Kumar	Variable Energy Cyclotro	E6	Prototype development of four channel 2kV/5A power supply using pulse step modulation technique
395	432	Kapil Deo	BARC	G2	Initial Investigations on distribution of absorbed dose in waste water treatment using electron beam
397	443	B M BARAPATRE	Bhabha Atomic Research	A1	Integration and Commissioning of 150kV Solid State Pulse Modulator
398	539	Chiranjib Das	Variable Energy Cyclotro	C1	Analytical calculation of pole profile for combined function magnets with Enge-type fringe field
399	529	Rishi Pal Yadav	RRCAT	F1	A Digital Beam Position Indicator Design and Development on VME Platform for Orbit Control Applications in Indus-2
400	439	Ponagani Bhumeswar	BARC	F7	Design of FPGA based RF Interlock system and Power Monitoring
401	505	Abhishek Mitra	Variable Energy Cyclotro	E7	Cryogenic Transfer Line for Cryomodule of e-LINAC at VECC
403	555	Dipta Pratim Dutta	Variable Energy Cyclotro	E1	Automatic frequency tuning of LINAC and Re-bunchers during high power RF conditioning and beam operation in the RIB facility
406	456	Swati H Das	BARC Mumbai	A1	Deflection Magnet Configurations for Exit Foil Protection
407	576	Santhosh Chittimalla	BARC,Homi Bhabha Nat	F7	Study of thermal effects of proton beaminteraction with accelerating structures to derive the response time of fast protection system
408	534	Alok Kumar Ghosh	BARC, Mumbai	D5	Design of Three-electrode BeamEextraction System for ECR Ion source using IBSimu code
411	476	Ritesh Malik	RRCAT, Indore-452013	E4	Design and development of an improved 270 degree dipole magnet for energy filtering system for the Linac at RRCAT
412	513	Mentes Jose	BARC, Mumbai	E1	Design of high-power ridge Waveguide couplers for MEHIPA
413	536	Rupesh Patel	Bhabha Atomic Reasarc	E6	Evaluating the Design Performance of HV & HF Transformer of the High Power DC Accelerator
414	562	Hemendra Kr Pandey	Variable Energy Cyclotro	E1	Synchronized high power feeding system of RF accelerator modules in RIB facility at VECC
415	532	Roushan Abhishek	BARC	D3	Stress linearization for MEHIPA superconducting spoke resonator SSR-B
416	554	SIDDHARTHA DECHOUDHARI	Variable Energy Cyclotro	B6	Operational experience of heavy ion beam acceleration with phase and amplitude tuning of RF cavities in VECC RIB facility
417	547	Mahuwa Bhattacharjee	VECC KOLKATA	C1	A multi electrode system for deceleration of 1+ ions entering a Charge breeder source
418	515	Manish Bagre	RRCAT, Indore	E2	Experience of Dumbbells fabrication for five-cell HB 650 (beta=0.92) SCRF cavities in Indian Industries
419	550	Tapan Kumar Mandi	Variable Energy Cyclotro	F11	Implementation and testing of low power RF distribution system for RF transmitters in RIB facility.
422	545	Vaishali Naik	HPD, BARC & RPAD, BARC	B6	Estimation of neutron yield from the interaction of ~ 7 MeV/nucleon ⁷ Li beam on Cu and Ta target for safety analysis and shielding design
422	543	Vaishali Naik	Variable Energy Cyclotro	B6	Design and Development of low frequency high voltage switching system for ISOL to study Charge Exchange Collisions
424	553	VIKAS TEOTIA	Bhabha Atomic Research	F1	DC Current Transformer for Pulsed Beam Current Measurements
428	578	Avinash Kumar Mehta	IIT Bombay	D6	Optimization of Electron Beam Deflection using Particle Tracing Mechanism
438	588	Ranjna Kalra	BARC	F2	Design, Development and Implementation of C&I System for X-Band LINAC
	593	Abhyudaya Tomer	HBNI, BARC	C2	Study of bifurcations in beam envelope trajectories due to nonlinear perturbations