

List of papers accepted of oral poster*

Sr. No.	Abstract Title	Authors	E-mail	Affiliation
1	Mechanical Design and Development of DTL for LEHIPA	Piyush Jain*, Roushan Abhishek, Srinivas Krishnagopal and Pramod Bhagwat	piyushj@barc.gov.in	BARC
2	Development of a 40 kV LaB6 cathode based thermionic electron gun	D. Bhattacharjee*, R. Tiwari, H. Sarukte, A. Waghmare, A. R. Tilly, R. B. Chavan, and K. P. Dixit	dhrubab@barc.gov.in	BARC
3	Development of transverse beam emittance measurement system using slit-grid technique for LEHIPA	Deepak N Mathad*, Dr. Rajesh Kumar, S. K. Singh and Bhumeswar P	deepakm@barc.gov.in	BARC
4	Design and Fabrication of button type Beam Position Monitor for LEHIPA	Alok Kumar Ghosh*, Jose V Mathew, S. Krishnagopal and P V Bhagwat	alokg@barc.gov.in	BARC
5	3D PARTICLE-IN-CELL CODE DEVELOPMENT FOR CHARGED PARTICLE BEAM DYNAMICS	Abhishek Pathak* and Srinivas Krishnagopal	apathak@barc.gov.in	BARC
6	1-1/2 Cell Thermionic RF Gun at 2856 MHz Design, Fabrication and High Power Test with Beam	J. Mondal, Shiv Chandan, A. R. Tilly, Jayprakash, R. L. Mishra, Nishant Chowdhury, K. P. Dixit and V. T. Nimje	jmondal@barc.gov.in	BARC
7	Electromagnetic and thermal design of a room temperature bore 1MJ conduction cooled superconducting solenoid magnet	S.Sundar Rajan*, U.G.P.S Suchan, Vijay Harad, A.K Sinha and Sanjay Malhotra	sundara@barc.gov.in	BARC
8	Development of superconducting solenoids for MEHIPA	Rajni Pande*, Shweta Roy, A. Pathak, S. Krishnagopal and P.V. Bhagwat	rajnip@barc.gov.in	BARC
9	Operating Experience of Radio Frequency Power Testing of klystron at 352 MHz	Sandip Shrotriya, Niranjan Patel, Shiju A. B.V. Rama Rao, J.K. Mishra, Muthu S., Snigdha Singh, Shyam Sunder Jena, Manjiri Pande and Gopal Joshi	sds@barc.gov.in	BARC
10	Design and Fabrication of 325MHz, 20 kW RF Power Amplifier for Accelerator Application	J K Mishra, Snigdha Singh, B. V. Ramarao, Manjiri Pande, Muthu S. Hitesh Kadam and Gopal Joshi	jk Mishra@barc.gov.in	BARC
11	Upgradation, utilization and present status of 500keV DC Accelerator at BRIT Vashi.	D.K. Sharma*, R.N. Rajan, R.I. Bakhtsingh, D. Jayaprakash, V. Sharma, R. Patel, D. Bhattacharjee, N.C. Chaudhary, S.R. Ghodke, S.K. Srivastava, S. Dewangan, S. Das, S. Gond, N.K. Lawangare, A.G. Waghmare, N.B. Thakar, S.A. Harer, S. Acharya and R.K. Rajawat.	dksharma@barc.gov.in	BARC
12	A novel instrument for average current measurements of CW beams	F. Stulle*, H. Bayle, L. Dupuy, T. Delavriere and J. Bergoz	stulle@bergoz.com	Bergoz Instrumentation, France
13	Diamonds for Beam Instrumentation	Erich Griesmayer* and Christina Weiss	erich.griesmayer@cividec.at	CIVIDEC Instrumentation, Austria
14	Applications of SRXRF and PIXE for trace elemental analysis in blood serum of breast cancer patients undergoing successive chemotherapy	B. Gowri Naidu, P. Sarita*, S. Srikanth and G. J. Naga Raju	sarita2009@yahoo.co.in	Gitam University, Vizag
15	Overview of versatile diagnostics development under NNBI program in IPR	M. Bandyopadhyay*, A. J. Dekal, D. Mukhopadhyay, P. Singh, Dass Sudhir, H. Tyagi, R.K. Yadav, M. Bhuyan, K. Pandey, P. Bhattacharya and A. Chakraborty	mainak@iter-india.org	IPR
16	Time evolution of optical emission spectrum of plasma and source performance in surface mode of ROBIN	Manas Ranjan Bhuyana*, Kanishk Pandya, Mainak Bandyopadhyay, Ratnakar K.Yadav, Himanshu Tyagi, Agrajit Gahlaut, Mahesh Vupugalla, Kartik Patel, Jignesh Bhagora, Hiren Mistri, K.G.Parmar, Bhavesh Prajapati, and Arun K.Chakraborty	manas.bhuyana@iter-india.org	ITER-INDIA, IPR
17	EPICS based Slow Controller for Data Acquisition and Control System of Indian Test Facility for ITER DNB	Himanshu Tyagi*, Ratnakar Yadav, Kartik Patel, Jignesh Bhagora, Hiren Mistri, Mainak Bandyopadhyay, Mahendrajiit Singh and Arun Chankraborty	hryagi@iter-india.org	ITER-INDIA, IPR
18	Assembly and Testing of 48.5 MHz heavy ion RFQ accelerator	Ashok Kothari*, Rajeev Ahuja, Sugam Kumar and C.P. Sahaian	ashok@iuac.res.in	IUAC
19	A system for control of RF power coupling of resonators of superconducting LINAC at IUAC, New Delhi	R. N. Dutt*, G. K. Chaudhary, D. S. Mathuria A. Rai, A. Sharma, B. Karmakar, B. K. Sahu, P. N. Patra, A. Pandey J. Karmakar, S. Ghosh and D. Kanjilal	rnd.com@gmail.com, raj@iuac.res.in	IUAC
20	Development of compact transverse and longitudinal beam diagnostics for High Current Injector	R. V. Hariwal*, S. Kedia, R. Ahuja and R. Mehta	hariwal@gmail.com	IUAC
21	Beam optics simulation for Delhi Light Source (Phase-I)	J. Karmakar*, U. Lehnert, S. Ghosh, N. Kumar, S. Tripathi, V. Joshi, A.Aryshev, J.Urakawa, R.K. Bhandari and D. Kanjilal	joyama13@gmail.com	IUAC
22	Achromatic beam transport for HEBT section of High Current Injector	Sarvesh Kumar, G. Rodrigues and A. Mandal	sarvesh@iuac.res.in & sariuac@gmail.com	IUAC
23	Simulation of Electron Trajectories in Undulator with SCLAB	H. Jeevakan, S. Kumar and G. Mishra	hjeevakan@nitrrpl.ac.in	NITRR, Bhopal
24	Fabrication of RF accelerating structures for the FEL activity at RRCAT	P. Chhinna Rao*, A.M. Kher, R.K.Gupta, K.N.Yedle and S.D. Sharma	pchinna@rrcat.gov.in	RRCAT
25	Status of fabrication of HTS-2 Cryostat for testing two 650 MHz SCRF cavities	S. G. Gilankar*, P. Khare, H. Patel, A. Lakshminarayanan, R. Chaube, R. Ghosh, A. Jain, A. Tiwari, D. Arzare, S. C. Joshi, J. P. Ozelis, A. Hocker, M. G. Geynisman, C. M. Reid, V. V. Polouboiko, D. V. Mitchell, T. J. Peterson and T. H. Nicol	shailesh@rrcat.gov.in	RRCAT
26	Design and analysis of cavity support system for beta 0.61 650 MHz cryomodule	Ankit Tiwari*, Shailesh Gilankar, Hemant Kumar Patel, Rupul Ghosh, Deepak Arzare, A. Laxminarayan, Prashant Khare, Satish Chandra Joshi and Mohit Dashore	ankit@rrcat.gov.in	RRCAT
27	RF and Thermal Design, Assembly and Testing of High Power Circulator for Indus-2	Ashish Kumar Tiwari*, Ramesh Kumar, Alok Gupta and Mahendra Lad, Giridhar Munda, Sanjay Chauksey, Manjeet Ahelawat, Prashant Pareek and R S Shinde	atiwari@rrcat.gov.in	RRCAT
28	Innovative Design of 3 MeV, 325 MHz RFQ Structure from Manufacturing Consideration	G. V. Kane*, N. K. Sharma, A. Chattervedi, B. Oraon, T. Veerbhadrach, S. V. Kokil and S. C. Joshi	gvkane@rrcat.gov.in	RRCAT
29	Development of Second 10MeV Industrial electron Linac	R.S. Sandha*, S.G. Goswami, R.S. Choudhary, V.C. Pervai, Ajay Kumar, Arhant Jain, Pankaj Kumar, Y. Wannode, T. Reghu, J.K. Malchandani, S. Reddy, M. Seema, P. Godwal, Y. Sheth, Nita Kulkarni, Vinit Kumar, A.C. Holikatti, Rahul Jain, R.M. Pandey, V.K. Gantam, A. Kastival, B.K. Sindal, Sanjay Sharma, T. Veerbhadrach, K. Yedle, V. Bhatnagar, J. Dwivedi, P. Shrivastava, P. Fatmani, T.A.Puntambekar, G. Haridas, S.R.Tiwari, R.Sridhar, G.Mundra, R.S.Shinde and A.C.Thakurta	rssandha@rrcat.gov.in	RRCAT
30	Identification of fluorsulphonic acid in niobium electropolishing solution	P. Ram Sankar*, B. Q. Khattok, S. K. Sharma, B. P. Singh, G. S. Deshmukh, V. K. Senecha and S. C. Joshi	prs@rrcat.gov.in	RRCAT
31	HB650 Tuner Testing Scheme with Single-cell SCRF Cavity	K. K. Singh*, A. N. Yedle, S. Mandle, V.K. Jain and S. C. Joshi	kk Singh@rrcat.gov.in	RRCAT
32	Design, Fabrication and installation of upgraded Transport Line-1 of Indus accelerator	Anugrah Shankar*, S.K. Awasthi, K.K. Malviya, Gopala Raju, Randhir Kumar, S.K. Tiwari, Sujata Joshi, V.G. Sathe and R. Sridhar	asy@rrcat.gov.in	RRCAT
33	Development of upgraded pulsed injection kicker magnets for 30 MeV injector Linac of Booster synchrotron	Prashant Pareek*, Vinod Gaud, Karan Singh, R.R. Yadav, S.Senthil Kumar and R.S.Shinde	ppareek@rrcat.gov.in	RRCAT
34	Software development for turn by turn beam position data acquisition of Indus-2	R. Jain*, A. C. Holikatti, S. Yadav, A. Ojha and T. A. Puntambekar	rahuljain@rrcat.gov.in	RRCAT
35	Design and Development of Supervisory Control System for IRFEL	Shradha Tiwari, Ayuki Pathak, H.R.Bundel, P.P.Deshpande and V.P.Bhanuaga	shradha@rrcat.gov.in	RRCAT
36	DEVELOPMENT AND INSTALLATION OF UPGRADED BEAM POSITION INDICATORS FOR INDUS-2 SYNCHROTRON RADIATION SOURCE	L. K. Babbar*, Mukesh Kumar, Dr. B. N. Upadhyaya, V. K. Bhatnagar, Brahmaand Sivadita, Y. Tyagi, Rahul Jain, A. C. Holikatti, Surendra Yadav, Deepjwiti Vatishnav, S. Sarkar, S. K. Tiwari, D. P. Yadav, R. Sridhar and T. A. Puntambekar	babbar@rrcat.gov.in	RRCAT
37	Operational Experience of Transverse Bunch by Bunch Feedback System of Indus-2	Surendra Yadav*, Anil C. Holikatti, Avanshi Ojha, Rahul Jain, Akhilesh Kumar Karnewar, Lokesh Kumar Babbar, B. B. Sonawane and T. A. Puntambekar	syadav@rrcat.gov.in	RRCAT
38	Development of beam profile measurement system for industrial electron Linac	A. C. Holikatti*, Rahul Jain, B. B. Sonawane and T.A.Puntambekar	anilch@rrcat.gov.in	RRCAT
39	Indus-1 RF Control System Development using EPICS and Distributed Control	R. P. Yadav*, Janardhan Musuku and P. Fatmani	rpyadav@rrcat.gov.in	RRCAT
40	Design of synchrotron radiation interferometer for beam size measurement in Indus-2 synchrotron radiation source	Akash Deep Garg*, Avanshi Ojha, A.K. Karnewar and T.A. Puntambekar	akash-deep@rrcat.gov.in	RRCAT

41	Development of prototype RF front end electronics for digital beam position monitor of Indus-2	B. B. Shrivastava*, Sharad Tripathi, Anant Jaiswal, Manish Chouhan and T. A. Pantambekar	bhushri@rrcat.gov.in	RRCAT
42	Development of beam diagnostic line for ARPF Linac	Pankaj Kumar*, S.G. Goswami, Agay Kumar, Arhant K Jain, Subhaji Dutta, V C Petwal, R S Sandha, Jishnu Dwivedi, Vanshree Thakur, S. Das, K. Sreeramulu, T. Veerbhadrarai, Sanjay Sharma, Brahmanand Sisodia, V K Bhatnagar, Sanjay Chouksey, V K Gautam, A Kasliwal, Y M Sheth, Rahul Jain, A C Holikatti, A K Karnewar, Mukesh Kumar, T A Pantambekar, R S Saini, B K Sindal, Y Wanmode and T Reahu	pankajk@rrcat.gov.in	RRCAT
43	Control system for Indus-2 undulators and implementation of scheme for remote operation from control room	Pankaj Gothwal*, R P Yadav, A Gupta, T V Satheesan, G Sinha and P Fainamli	pgothwal@rrcat.gov.in	RRCAT
44	Beam dynamics effect of APPLE-II undulator on Indus-2 beam	Abdurrahim*, Pradeep Kumar and AD Ghodke	arahim@rrcat.gov.in	RRCAT
45	Beam injection with a pulsed sextupole kicker for Low emittance Electron storage ring	Saroj Kumar Jena *, Vijay Kumar Meena, A. A. Fakhri, A. D. Ghodke	s_jena@rrcat.gov.in	RRCAT
46	Electromagnetic Design and Beam Dynamics Studies of 9.5/7.0 MeV 10 kW Industrial Electron Linac with Pre-buncher	Parul Arora, P. K. Jana, Nita S. Kulkarni and Vinit Kumar	parul@rrcat.gov.in	RRCAT
47	Calibration and restoration of low emittance beam optics in indus-2 storage ring	Riyasat Husain and A D Ghodke	riyasat@rrcat.gov.in	RRCAT
48	Lattice design and beam dynamics simulations for the 1 GeV ISNS SRF LINAC	Arup Ratan Jana, Mukesh Kumar Pal, Ram Prakash, Rahul Gaur and Vinit Kumar	arjana@rrcat.gov.in	RRCAT
49	Design, Electromagnetic Simulation and RF Characterization of Broadband Kicker RF Cavity for Longitudinal Multi Bunch Feedback System of Indus-2	M. Prasad,* Ramesh Kumar, Rajiv Kumar Arora and M. Lad	mprasad@rrcat.gov.in	RRCAT
50	Commissioning of the IR-FEL injector and beam transport line	Sona Chandran, B. Biswas, Shankar Lal, A. Kumar, R. K. Pandit, P. Nerpagar, S. K. Gupta, A. K. Sarkar, K. K. Pant and M. Khursheed	sona@rrcat.gov.in	RRCAT
51	Upgrade of injector system of the IR-FEL at RRCAT	A. Kumar *, B. Biswas, Shankar Lal, Sona Chandran, S.K. Gupta, Pravin Nerpagar, Ravi K. Pandit and K.K.Pant	arvindk@rrcat.gov.in	RRCAT
52	Design and Implementation of a Digitally Controlled High Stability Power Supply for Accelerator Magnets	H. K Khatwani*, M. L. Gandhi, S. N. Singh and A. C. Thakurta	khatwani@rrcat.gov.in	RRCAT
53	Feed Forward Droop Correction Technique for the 100 kV, 20 A, 1.6 ms Converter Modulator	T.Reghu, V.Mandloie and Purushottam Shrivastava	traghun@rrcat.gov.in	RRCAT
54	Development of transfer line magnets for 30 MeV Injector Linac of Booster Synchrotron	Kailash Rawali*, Sudhir Kumar, Ritesh Malik, Kushraj Singh, Preveen Kumar, B. Srinivasan, A. K. Mishra, Bhim Singh, Navin Awale, K. Sreeramulu, Gautam Sinha and R. S. Shinde	ruwali@rrcat.gov.in	RRCAT
55	3D-Design simulation and development of electromagnetic filter magnet for H-ion source	Rajnish Kumar*, D. V. Ghodke, Harshit Shah, Manish Pathak, R. K. Khare and V. K. Senecha	rajnishk@rrcat.gov.in	RRCAT
56	RF characterization and curing of harmful higher order modes of indigenous RF cavity for high beam current operation of Indus-2	Rajiv Kumar Arora*, M. Prasad, Ramesh Kumar and Mahendra Lad	krajiv@rrcat.gov.in	RRCAT
57	Development of RF System for LMBF of Indus-2 SRS	Nitesh Tiwari*, Pritam S. Bagdulal, and Mahendra Lad	nitesh@rrcat.gov.in	RRCAT
58	Design and development of ICVG disk resonator for 505.8 MHz strip line ferrite circulator for RF systems of Indus 2	M. Ahlawat*, P. Pareek, L. Aditya, V. Gaud, S. Senhil, Kulshreshtha, K. Singh, Ashish Tiwari, Ramesh Kumar, M. Lad and R.S. Shinde	mahlawat@gmail.com	RRCAT
59	Design and development of a 1MHz, 100kW RF power amplifier	M. K. Jain*,Deo R. K. and M.R. Lad	mkjain@rrcat.gov.in	RRCAT
60	Design and development of tapered microstrip line based broadband Multiport RF power dividers	Alok Kumar Gupta,*Akhilish Jain, M. R. Lad, Varun Bhalla and Joseph Tharayil	alok_gupta@rrcat.gov.in	RRCAT
61	Synchronized RF Signal Generation and Pulsed Digital Control System for SHPB of IR-FEL	Pritam S. Bagdulal*, Dheeraj Sharma, Nitesh Tiwari and Mahendra Lad	pritam@rrcat.gov.in	RRCAT
62	Sterilization of medical products using TWINDUS-1 Linac: A dosimetric measurement	V.P. Verma*, A.S. Mishra, A.K. Jain, A. Srivastava, R. Choudhary, V.C. Pensal and J. Dwivedi	vijaypal@rrcat.gov.in	RRCAT
63	Design of a Compact Hadron Therapy Machine	Tanuja Dixit*, K. Takayama, A.P. Deshpande, R. Krishnan, L. K. Wab, T. Adachi, T. Kawakubo	tanuja@sameer.gov.in	SAMEER
64	High pressure and vacuum test of NEC accelerating tubes	M.E. Sawant, S.P. Singh, A. Singh, S. Pal, A.A. Shinde, J.N. Karande, Prajakta Dhumal, V. Nanal and R.G. Pillay	sanjoy.pal@tifr.res.in	TIFR
65	Precision RF Phase Measurement Unit	J.N. Karande*, Prajakta Dhumal, Ajay Takke, S. Pal, V. Nanal and R.G. Pillay	jkarande@tifr.res.in	TIFR
66	Commissioning of High Fluence Ion Beam Facility at University of Allahabad	Manvendra Kumar*, Vikas Baranwal and Avinash C Pandey	kmanav@gmail.com	U. of Allahabad
67	Estimation of safe rate of heating for alumina ceramic disc in the development RF window for feed thru of K-500 SCC	Sandeep Kumar Singh* and Anjan Dutta Gupta	ssinghia@vecc.gov.in	VECC
68	Characterization and testing of RF modulated 100 keV thermionic electron gun	Md. Zamil Abdul Naser*, D. P. Dutta, Sanket Haque, Siddhartha Dechoudhury, Manas Mondal, S.K.Thakur, Arup Bandyopadhyay, Vaishali Naik and Alok Chakrabarti	zamal@vecc.gov.in	VECC
69	A PC based supervisory software for power supply ramping for prototype magnet at INO	Anirban De*, A. Bera, M. Garai and S. K. Thakur	ade@vecc.gov.in	VECC
70	Operational activities of K 130 Variable Energy Cyclotron	P.S. Chakraborty*, A. Dey, Partha S Chakraborty, S. Ghosh, P.K. Behera, M. Dash, R. Kumar, R. Ming, R. Rasala, V.V. Rasankar, F. Tabassum, A. Das, A. Kumar, K.D. Rao, B. N. Janavathu, C. Nandi, P.Y. Nabhinaj, A. Bandyopadhyay and A. Roy	prodyut@vecc.gov.in	VECC
71	Effect of mid-plane asymmetry and inflector misalignment on the beam-injection efficiency in K130 cyclotron	Atanu Dutta*, Malay Kanti Dey and Arup Bandyopadhyay	atanuphy@vecc.gov.in	VECC
72	Estimation of radioactive waste generated and it's dose assessment at medical cyclotrons while producing radiopharmaceuticals	K. Srihari*, Mausumi Sengupta Mitra, R. Ravishankar, Tapas Bandyopadhyay and M.K.Das,	ksrihari@vecc.gov.in	VECC

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