

Sr.No.	Abstract Title	Authors	E-mail	Affiliation
1.	Design & Development of plasma diagnostics for continuous and pulsed mode of ECR plasma.	H.Kewlani*, P.Roychowdhury, L. Mishra, S. H. Gharat and B. Dikshit	<i>kewlani@barc.gov.in</i>	BARC
2.	F Protection Interlock System for Proton Linacs under Indian Institutions and Fermilab Collaboration	Sujo C.I.*, Prieto P. , Shailesh Khole, Hitesh Shukla, Rajesh Keshwani, Sandeep Bharade, Mohammad Afaash and Gopal Joshi	<i>sujo@barc.gov.in</i>	BARC
3.	Tuning Algorithm for the LEHIPA DTL	Aman Bajaj*, Jose V. Mathew, Shweta Roy, Srinivas Krishnagopal and P. V. Bhagwat	<i>amanbajaj@barc.gov.in</i>	BARC
4.	Design, development and testing of a 4 Tesla, large room temperature bore , liquid helium cooled superconducting solenoid magnet for MHD studies	S.Sundar Rajan*, U.G.P.S Sachan, Vijay Harad , A.K Sinha and Sanjay Malhotra	<i>sundara@barc.gov.in</i>	BARC
5.	Beam Dynamics of 200 MeV Linac for MEHIPA	Shweta Roy, Abhishek Pathak, Rajni Pande, S.V.L.S. Rao, S. Krishnagopal, and P.V. Bhagwat	<i>shwetar@barc.gov.in</i>	BARC
6.	Experimental and Theoretical Studies of Beam Transmission in a DC Electron Accelerator	B.Nayak *, S.Acharya, S.Dewangan, D.Bhattacharjee, R.I.Bakhtsingh, Swati H. Das, R.Rajan, D.K.Sharma, , V.Sharma, S. R. Ghodke, N. Choudhury, , R.Tiwari, R.Patel, S. Gade, R. Barnwal, D. Jayprakash, S.K.Srivastava, N. Thakur, S. Gond, A. Waghmare, S. Nayak, M. Kumar, R.L. Mishra and Swati Harer	<i>nayakb@barc.gov.in</i>	BARC
7.	Status Report of 3MV Pelletron Accelerator at Institute of Physics, Bhubaneswar	Satyaprakash Sahoo, Anup Kumar Behera, Ramarani Dash, Madhusudan Majhi, Khirod Chandra Patra, Biswajit Mallick, Arakhita Sahoo and Pratap Kumar Biswal	<i>sahoo@iopb.res.in</i>	IoP,

8.	A test facility for production and characterization of 60 A, 100 keV beam produced from a single, large RF ion source	M.J. Singh, A.K. Chakraborty, Mainak Bandyopadhyay, Jaydeep Joshi, Hitesh Patel, Sejal Shah, Agrajit Gahlaut, Ashish Yadav, Dass Sudhir, Deepak Parmar, Dheeraj Sharma, Dhananjay Singh, Himanshu Tyagi, Kaushal Joshi, Kaushal Pandya, M.V. Nagaraju, Manas Bhuyan, Milind Patel, Ratnakar Yadav and Suraj Pillai	<i>mahendrajit@iter-india.org</i>	ITER - INDIA
9.	Helium Processing of Niobium Quarter Wave Resonators	A. Rai*, P. Patra, B. Karmakar G. K. Chaudhari, J. Karmakar, B. K. Sahu, A. Pandey, A. Sharma, R. N. Dutt, D. S. Mathuria, M. Jain, S. S. K. Sonti, K. K. Mistri, S. Ghosh, P. N. Prakash and D. Kanjilal	<i>abhishek@iuac.res.in, abhishekiuac@gmail.com</i>	IUAC
10.	A compact 2.45 GHz microwave ion source and associated Wien filter based analyzing system for low energy ion beam facility	Narender Kumar*, G. Rodrigues, S. Kumar, Y. Mathur, U. K. Rao, R. Ahuja and D. Kanjilal	<i>nk.iuac@gmail.com</i>	IUAC
11.	Development of Spiral Buncher and Diagnostic Systems for the High Current Injector at IUAC	R Mehta*, R V Hariwal, Sanjay Kumar Kedia, Rajesh Kumar and R Ahuja	<i>rajeevmehta67@gmail.com</i>	IUAC
12.	Indigenisation of niobium for superconducting accelerator applications	K V Mirji*, Kumar Vaibhaw, A Maruthi Ram, Sheela and G Kalyanakrishnan	<i>mirji@nfc.gov.in</i>	NFC
13.	Processing and Testing of First Single-Cell 650 MHz (Beta=0.92) Superconducting RF Cavity	S.Raghavendra*, K.K.Das, Amar Singh, S.V.Kokil, S.K.Suhane, G.V.Kane, S.K.Chauhan, A.Bose, P.Ram Sankar, A.P.Singh, A.Yadav, A.Puntambekar and S.C.Joshi	<i>raghu@rrcat.gov.in</i>	RRCAT
14.	Design and Development of 650 MHz Cryomodule and Horizontal Test Stand at RRCAT	P. Khare*, S. G. Gilankar, H. Patel, A. Lakshminarayanan, R. Chaube, R. Ghosh, A. Jain, A Tiwari, D. Arzare, S. C. Joshi, J. P. Ozelis and T. H. Nicol	<i>prashant@rrcat.gov.in</i>	RRCAT

15.	Indigenous development of first five-cell 650 MHz SCRF cavity and series manufacturing plans	A Puntambekar*, M Bagre, R S Sandha, P Shrivastva, G. Mundra, P Ramshankar and S C Joshi	<i>avinash@rrcat.gov.in</i>	RRCAT
16.	Progress of HB650 Cavities for PIP-II Project at Fermilab	V.K. Jain*, C. Grimm, I.V. Gonin, T. N. Khabiboulline, A. Rowe, T. Nicol and V. P. Yakovlev	<i>vikas@rrcat.gov.in</i>	RRCAT
17.	Proton and Ion Acceleration in microns: Alternative approach using Intense, ultra-short lasers	S. Bagchi*, M. Tayyab, J. A. Chakera and P. A. Naik	<i>sbagchi@rrcat.gov.in</i>	RRCAT
18.	Heat exchanger design evaluation and concept development for 2 K refrigeration system	Rishi Kant Sharma*, Prabhat Kumar Gupta and P.K. Kush	<i>rishikant@rrcat.gov.in,</i> <i>prabhat@rrcat.gov.in</i>	RRCAT
19.	Development of emittance monitor and measurement of emittance of electron gun for industrial linac	A. K. Karnewar*, Mukesh Kumar, Y. Tyagi, N. K. Maurya, A. C. Holikatti, Pramod R., Y. D. Wanmode and T. A. Puntambekar	<i>karnewar@rrcat.gov.in</i>	RRCAT
20.	Beam Injection Studies for FODO lattice of 1 GeV proton Accumulator Ring	Amalendu Sharma* and Vinit Kumar	<i>amalendu@rrcat.gov.in</i>	RRCAT
21.	Slow Orbit Feed Back System of Indus-2 with Predictive Control Concepts	Rahul Rana*, R. P. Yadav and P. Fatnani	<i>rahulr@rrcat.gov.in</i>	RRCAT
22.	Radiological experiences during the commissioning and operation of Indus-2 synchrotron radiation source	Haridas.G*, M.K.Nayak, P.K.Sahani, Vijay Kumar, Saleem Khan, Dimple Verma, T.K.Sahu, Vipin Dev, Mukesh Khare, D. K.Gupta, J .T. K Mukherjee, S.P.Tripathy, D.S.Thakur, Ram Bahadur, R.G.Marathe, T. Bandyopadhyay, T.A.Puntambekar A.C.Thakurta and R.M.Tripathi	<i>haridas@rrcat.gov.in</i>	RRCAT
23.	Enhancements in Indus-2 Magnet Power Supply Control System	Amit Chauhan*, K. Saifee, Bhavna Merh, R.K.Agrawal, Sachin Sanga and Pravin Fatnani	<i>amit@rrcat.gov.in</i>	RRCAT

24.	Challenges in Operation of Low Level RF System of Indus-2 Synchrotron Radiation Source	Nitesh Tiwari*, Pritam S. Bagduwal, J. Nageswara Rao, Dheeraj Sharma and Mahendra Lad	<i>nitesh@rrcat.gov.in</i>	RRCAT
25.	Understanding the edge focusing in dipole magnets	Vinit Kumar and Amalendu Sharma	<i>vinit@rrcat.gov.in</i>	RRCAT
26.	Development of a prototype external RF antenna based H- Ion Source for Proton Linac	Dharmraj V. Ghodke*, Manish Pathak, R. K. Khare, Rajnish Kumar, Om Prakash, Ranjan Kumar, B. A. Arya, Murali Krishnan, Sunil Jain, Vinod Senecha and Satish Joshi	<i>dvghodke@rrcat.gov.in</i>	RRCAT
27.	Installation and Commissioning of Indigenously Developed RF Cavity in Indus-2	Ramesh Kumar*, Ashish Tiwari, Rajeev Arora, M.Prasad, N. Bhardwaj, Alok Gupta, Deepak Sharma, Akhilesh Jain, M.K.Badapanda, Nageswar Rao, P. Bagduwal, Nitesh Tiwari, Ashish Bohrey, Mahendra Lad, A. Karnewar, R.M. Pandey, Sanjay Gupta, R.K.Sahu, T. Puntambekar, V. Sathe, D.P. Yadav, B.K. Sindal, R. Sridhar, R.S. Sandha, and Jishnu Dwivedi	<i>ramesh@rrcat.gov.in</i>	RRCAT
28.	Power Converters for Transfer Line Magnets of New Injector Linac in Indus Accelerator Complex	Alok Singh*, Vineet Kumar Dwivedi, Mangesh Borage and S. R. Tiwari	<i>aloksingh@rrcat.gov.in</i>	RRCAT
29.	Upgradation of vacuum system of Indus-2 synchrotron radiation source	D.P.Yadav*, B.K.Sindal, K.V. A.N.P.S Kumar, N.J. Bhange, Prateek Bhatnagar, Sujata Joshi and R.Sridhar	<i>dpyadav@rrcat.gov.in</i>	RRCAT
30.	Development of magnets for beam diagnostic line of ARPF Linac	S. Das*, K. Sreeramulu, Vanshree Thakur, Kushraj Singh, Bhim Singh, Ashok Kumar, A. K. Mishra, B. Srinivasan, R.S.Shinde, Pankaj Kumar, S.G. Goswami, Jishnu Dwivedi, T. Veerbhadraiah, Utpal Chaterji and Brahman Sisodia	<i>sdas@rrcat.gov.in</i>	RRCAT

31.	STATUS OF LINAC BASED RADIO ISOTOPE GENERATION	Abhay Deshpande*, Tanuja Dixit, R. Krishnan, Anil Kumar Mishra, Sanjay Pethe, Shubhra Chaturvedi, Puja Panwar, Kiran Thakur, Mandar Vidwans, C. S. Nainwad, Sandesh Bhat, Ganesh Gaikwad, Paresh Jadhav, Manoj Kumbhare, Sandeep Name, R. Sandeep Kumar, Sameer Mathe, Krutika Natu and Saurabh Singh	<i>abhay@sameer.gov.in ; abhaypd@gmail.com</i>	SAMEER
32.	Beam tests of VECC's Injector Cryo Module (ICM) at TRIUMF Canada	Vaishali Naik*, Uttam Bhunia and Siddharta Dechoudhury	<i>vaishali@vecc.gov.in</i>	VECC
33.	Installation, Commissioning of 14 GHz ECR ion source and injection line for K-130 cyclotron	Nabhiraj P Y*, Mou Chatterjee, Ranjini Menon, Suman Guha, Anuraag Misra, Chinmay Nandi, Santosh Mishra, Samit Bandyopadhyay, R C Yadav, Joydeep Misra, Waseem Siddiqui, P S Chakraborty and Arup Bandyopadhyay	<i>npv@vecc.gov.in</i>	VECC
34.	Magnetic field mapping and correction of first harmonic imperfection in the central region of K500 superconducting cyclotron	U Bhunia*, J Debnath, A Datta, J Pradhan, A Agarwal, Z A Naser, S Paul, A Roy, R B Bhole, N Chadda, C Nandi, M K Dey, A DuttaGupta, Arup Bandyopadhyay and Amitava Roy	<i>ubhunias@vecc.gov.in</i>	VECC
35.	Low energy rare ion beam set up for surface science and nuclear spectroscopy studies at RIB-VECC Kolkata	P. Karmakar*, V. Naik, D. Lavanyakumar, M. Bhattacharya, D. Bhowmik, A. Bandopadhyay and A. Chakrabarti	<i>prasantak@vecc.gov.in</i>	VECC