BEAM TIMES SANCTIONED DURING AUC-68

BTR-1: FRESH PROPOSALS

S. No.	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
1.	Professor Chinmay Basu Saha Institute of Nuclear Physics, Nuclear Physics Division/FRENA, Saha Institute of Nuclear Physics, Block AF, Sector-1, Kolkata, Pin Code: 700064 drchinmaybasu@gmail.com	Determination of the ANC of 16O states using 12C(6Li,d) and 12C(7Li,t) reactions at 30-40 MeV incident energies.
2.	Dr. Christopher David SO/G & Head, ARDS, MSG IGCAR, Kalpakkam Materials Science Group, Indira Gandhi Centre for Atomic Research Kalpakkam-603102, Tamil Nadu david@igcar.gov.in	Radiation Response of Advanced Fast Reactor Structural Alloys under Swift Heavy Ion Irradiation.
3.	Dr. Mu. Ramkumar Associate Professor, Periyar University, Department of Geology, Periyar University, Salem muramkumar@yahoo.co.in	Determination of high resolution timing and causes of episodic habitat destruction and abandonment in the Vaigai River Basin, South India.
4.	Professor Anil Kumar Gupta Department of Geology & Geophysics, IIT Kharagpur Kharagpur, West Midnapore, West Bengal, India, PIN- 721302 anilg@gg.iitkgp.ac.in	Stable isotope(14C) analysis of lake sediments.
5.	Dr. Anupam Sharma Scientist-F, Birbal Sahni Institute of Palaeosciences, 53, University Road, Lucknow-226007,UP anupam110367@gmail.com	Role of human-environment interaction in tracing urbanization in different sectors of Ganga Plain: a geochemicaland Metagenomics approach.
6.	Dr. Biswajeet Thakur, Scientist, Birbal Sahni Institute of Palaeosciences (BSIP), 53 University Road biswajeetthakur@gmail.com	Holocene palaeomonsoon and palaeoclimatic reconstruction from the Southwest Coast of India.

7.	Dr. Gurumurthy G.P. Scientist-B, Birbal Sahni Instiutte of Palaeosciences, 53 University Road, Lucknow gurumurthygp@bsip.res.in	Radiocarbon (14C) measurement of marine sediments using AMS for palaeoclimatic studies.
8.	Professor Anil Kumar Gupta IIT Kharagpur, Kharagpur anilg@gg.iitkgp.ac.in	Late Holocene reconstruction of the Indian Summer Monsoon using multiproxy records from lacustrine sediments.
9.	Dr. Vinayak Department of History, Indraprastha College for Women, University of Delhi, 31 Sham Nath Marg, Civil Lines, Delhi, India - 110054 facevinayak@gmail.com	Examining long-term social and environmental histories at Tekkalakota, Ballari District, Karnataka.
10.	Mr. Puthucode Subramaniam Sriraman Superintending Archaeologist, Archaeological Survey of India, Amaravati Circle, Aurabindo Plaza, 6-134/1 Kanuru Main Road, Kanuru, Vijayawada- 520007, pssriraman@gmail.com	AMS dating of charcoal samples of Kodumanal (Dt Erode) vis-a-vis writing practice in Tamil Nadu.
11.	Mr. M. Mahadevaiah Regional Director (Retd.), Archaeological Survey of India, #156/2, Shivapriya Nilaya, Glass Factory Layout, Anantanagar Phase II, Electronic City, Bangalore-560 100, mahadevaiahsa@gmail.com	AMS Dating of Kurugodu Charcoal samples.
12.	Ms. T Sreelakshmi Superintending Archaeologist, Archaeological Survey of India, H. No. 18-1-26/3 Dwaraka Nagar, K.T. Road Tirupati 517 507 (AP), sreelakshmi.asi@gmail.com, excavationbranch6.asi@gov.in	AMS dating of Gottiprolu samples.
13.	Dr. Debelle Université Paris-Saclay, IJCLab, Bat. 108, F-91405 Orsay Cedex, aurelien.debelle@universite-paris-saclay.fr	Engineering the MIT transition temperature of VO2 by SHI irradiation.
14.	Dr. Pawan Kumar Kulriya Scientist E, IUAC New Delhi, Sumeru 3/15 IUAC Delhi, pawaniuac@gmail.com	Radiation stability of nano-structured ceramics for nuclear reactor applications.

15.	Dr. Khadke Udaykumar Associate Professor, Vijayanagara Sri Krishnadevaraya University, Department Of Physics, Vinayaka Nagar Contonment, khadke@vskub.ac.in	Ion Induced Modification of Ferroelectric Polymer Composites for EMI Shielding.
16.	Dr. Akashrup Banerjee Post-doctorate Research Fellow, FAIR-GSI. Darmstadt, Germany-64291 ak.banerjee@gsi.de	Investigation of Er film stability under extreme conditions.
17.	Dr. Anil Kumar Pokharia Scientist-E, Birbal Sahni Institute of Palaeosciences (BSIP), Lucknow, pokharia.anil@gmail.com	AMS dating.
18.	Prof. Beer Pal Singh Department of Physics, Chaudhary Charan Singh University, Meerut, Uttar Pradesh drbeerpal@gmail.com	Ion implantation induced modifications of sputtered deposited MoS2 thin film transistors.
19.	Prof. Anil Kumar Gupta Dept. of Geology and Geophysics, IIT Kharagpur, Kharagpur, West Bengal, anilg@gg.iitkgp.ac.in	AMS 14C Dating of foraminifera (carbonate) from sediment
20.	Prof. Anil Kumar Gupta Indian Institute of Technology Kharagpur, Department of Geology & Geophysics, IIT Kharagpur, Kharagpur - 721302, anilgupta021160@gmail.com	Study of Lake sediments to understand sub-decadal to multi-decadal changes in the monsoon during the Holocene.
21.	Dr. Sudipta Bhattacharya Scientist 'E, Research and Innovation Centre (DRDO)), 5th Floor, Block 'E', IIT Madras Research Park, Taramani, Chennai-600 113, sbhattacharya@ric.drdo.in	Effect of Swift Heavy Ion Irradiation on the Electrical Properties of Wide Bandgap Semiconductor Schotky Barrier Diodes.
22.	Dr. Sheikh Nawaz Ali Scientist C, Birbal Sahni Institute of Palaeosciences, 53, University Road Lucknow Uttar-Pradesh-226007, snawazali@gmail.com	Glacier response to Holocene ISM and WM variability from Higher Himalayas, Sikkim; understanding the driving mechanism.

23.	Madhav Krishna Murari Scientist -E, Inter University Accelerator Center, Aruna Asaf Ali Marg-110067 madhav.prl@gmail.com	10Be and 26Al cosmogenic radionuclides application to estimate the erosion rate of Aravalli mountain range: Impact on Landscape evolution.
24.	Dr. Pavitra Chemist, Inter University Accelerator Center, New Delhi, Kishangarh, New Delhi, kpavitra8@gmail.com	36Cl measurement using Accelerator Mass Spectrometry (AMS).
25.	Dr. Rajani Panchang Assistant Professor, Department of Environmental Science, Savitribai Phule Pune University, Ganeshkhind, Pune 411007, rajanipanchang@gmail.com	Reconstruction of temporal variation in the Aragonite Compensation Depth in the Arabian Sea: Probing teleconnections between Eastern & Western Arabian Sea.

BTR-2: THESIS PROPOSALS

S. No.	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
26.	Mr. Sumit Sagwal C/o. Dr Anil Kumar Scientist, Sedimentology Group, Wadia Institute of Himalayan Geology, GMS Road Dehradun, Pin-248001, akumar@wihg.res.in	Sedimentological and geomorphologic architecture of large lakes in the cold and arid Ladakh Himalaya (Tentative).
27.	Ms. Ishita Manna Ph.D. Scholar, Jawaharlal Nehru University, 222, Godavari Hostel, Jawaharlal Nehru University, New Delhi-110067, mannaishita9@gmail.com	Reconstructing Glacial Phases and Palaeo-environment in a part of the Upper Beas Basin, Himachal Pradesh.
28.	Ms. Reena Dhyani Research Scholar, Dept. of Physics, CBSH, G.B. Pant University of Agriculture and Technology, Pantnagar, U.S. Nagar, Uttrakhand-263145, reenadhyanikpg@gmail.com	Effect of ion irradiation on structural, electrical and magnetic properties of CoxCu1-xFe2O4 / Polypyrrole nano-composite.

29.	Mr. Atreyee Dey C/o. Prof. Ajay Kumar Singh Professor, Department of Physics, IIT Kharagpur, singh@phy.iitkgp.ac.in	Search for triaxiality in Xenon isotopes of mass region A~ 125.
30.	Mr. Suresh Das Ph. D. Research Scholar, Room no 250, Sutlej Hostel, Jawaharlal Nehru University New Delhi-110067 sureshdas088@gmail.com	Mapping glacial dynamics in the Jankar Chhu Watershed, Lahaul Himalaya.
31.	Ms. Sreevidya E C/o. Dr. Sijin Kumar A V Assistant Professor, Faculty at Central University of Kerala, Department of Geology, Central University of Kerala, Tejaswini Hills, Periye, sijingeo@gmail.com	Late Quaternary pteropod records from the Eastern Indian Ocean: inferences on paleoceanography.
32.	Ms. Ammoose K Jayan C/o. Dr. Sijin Kumar A.V. Assistant Professor, Faculty, Department of Geology, Central University of Kerala, Periye, Kasaragod - 671320, sijingeo@gmail.com	Holocene paleoceanographic investigations of sediments from the Bay of Bengal.
33.	Ms. Nidhi Tomar C/o. Parminder Singh Ranhotra Scientist-D, Birbal Sahni Institute Of Palaeosciences, Lucknow, Ws 26 Woodland Garden, Kursi Road, Lucknow-226026, ranhotra.p@gmail.com	Late Quaternary vegetation and climate variabilities in the Himachal region of western Himalaya.
34.	Mr. Sandip Tanu Mandal Ph.D Scholar, Room No 232, Sutlej Hostel, Jawaharlal Nehru University, New Delhi- 110067 sandip.tanu@gmail.com	Glacier dynamics and palaeo reconstruction in Milang Watershed, Lahaul Himalaya, Himachal Pradesh.
35.	Mr. Hidayatullah C/o. Dr. Pawan Govil Scientist- D, Birbal Sahni Institute of Palaeosciences (BSIP), 53-University road, Lucknow -226007, pawan_govil@bsip.res.in	Reconstruction of Paleoceanography of the tropical Indian Ocean since Marine Isotopic Stage 5.

36.	Ms. Lolly Maria Jose C/o. Dr. Arun Aravind Assistant Professor, University Of Kerala, Aravindalayam, Kulangara bhagom, Chavara P.O., Kollam - 691583 Kerala bmcarun@gmail.com	Structural and Optical Characterization of Transition Metal Oxide Nanostructures and Thin Films for Photocatalytic and Solar Cell Applications.

BTR-3: UFR PROPOSALS

S. No.	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
37.	Dr. Rahul Singhal Assistant Professor, Department of Physics, rahuliuac@gmail.com	SHI induced modifications of metal-carbon nanocomposite thin films.
38.	Prof. Mohamed Musthafa.M Calicut University, PO, Kerala mmm@uoc.ac.in	Pre-equilibrium neutron emission at high excitation energies and validation with nuclear reaction models.
39.	Dr. Vineet Kumar Singh Assistant Professor, Department of Physics, Room No. 203, DDU Gorakhpur University, Gorakhpur-273009, 1vineetkumarsingh@gmail.com	Oxygen ion implantation for the tailoring of V2Ox thin film work function for solar cell application.
40.	Dr. Rajesh Kumar Assistant Professor of Physics, Guru Gobind Singh Indraprastha University, New Delhi, kumarrrpi@gmail.com	Synthesis and SHI Beam Induced Modifications of MoS2 Nanostructures Thin Films for Potential Applications.
41.	Dr. Dillip K. Pradhan Associate Professor, Department of Physics and Astronomy, NIT Rourkela, Odisha 769008, dillip.pradhan79@gmail.com	Structural Phase Transitions induced by Swift Heavy Ion Irradiations in Lead Free Ferroelectric Perovskite Oxides.
42.	Prof. Sunil Chaki P. G. Department of Physics, Sardar Patel University, Vallabh Vidyanagar, Gujarat - 388120 sunilchaki@gmail.com	Study of the swift heavy ion induced modifications in SnS2xSe2(1-x) (0 ⌊ x ⌊ 1) alloys for Photocatalysis and Bio-sensor applications.

43.	Dr. Manish Kumar Srivastava Assistant Professor, Department of Physical Sciences, Banasthali Vidyapith, Newai, Tonk, Rajasthan-304022, manish2007bhu@gmail.com	Study of modifications in energy harvesting and storage performances of PVDF-based polymer composites due to swift heavy ion irradiation.
44.	Prof. Bivash Ranjan Behera Department of Physics, Panjab University, Sector 14, Chandigarh-160014 bivash@pu.ac.in	Study of transfer induced fission with NAND facility.
45.	Dr. P. Kannappan Assistant Professor, Department of Physics, Bannari Amman Institute of Technology, Sathyamangalam - 638401, Erode (Dt), Tamilnadu, kanna.phy6@gmail.com	Swift heavy ion (SHI) irradiation induced room temperature ferromagnetism in undoped Zn based II-VI compound semiconductor nanostructures thin films for spintronic devices.
46.	Dr. Vanarajsinh Solanki Research Scientist, 106, PDPIAS Building, CHARUSAT, Changa, Gujarat-388421 solankivanaraj12@gmail.com	Refashioning Multifunctional Property of Porous Stannic Oxide with SHI irradiation.
47.	Dr. P. Matheswaran Assistant Professor, Dept. of Physics, Kongunadu Arts and Science College, GN MIlls PO, Coimbatore - 641029, mathesphy@gmail.com	Electrical switching properties of quaternary chalcogenide (Ag-Se-Sn-Te) thin films.
48.	Dr. Goverdhan Reddy Turpu Assistant Professor, Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur-495009, C.G. dr.tgreddy@gmail.com	Energetic Ion Irradiation on Graphene Oxide and Graphene Oxide - Orthovanadate Composites to improve their photocatalytic properties.
49.	Dr. Kaushik Gangopadhyay Assistant Professor, Dept. of Archaeology, University of Calcutta, BB49/1Salt lake Kolkata-700064, Department of Archaeology, University of Calcutta, Alipur Campus, 1 Reformatory Street, Kolkata-700029, k.gongo@gmail.com	Age dating of Archaeological Samples from Coastal West Bengal: Further Investigation.

50.	Dr. K Senthil Associate Professor, Department of Physics, Bannari Amman Institute of Technology Sathyamangalam, Pin Code: 638401, Erode (District) Tamil Nadu, ksenthiludt@gmail.com	Multi-functional Properties of Swift Heavy Ion (SHI) irradiated Metal Oxide Nanocomposites.
51.	Prof. S. Moorthy Babu Professor & Director, Crystal Growth Centre, Anna University, Chennai-600025, smoorthybabu@gmail.com	SHI irradiation and Physicochemical Characterization of Pure and doped β-Ga2O3.
52.	Dr. Shanthi Subashchandran Associate Professor, Crystal Growth Centre, Anna University, Chennai, 3H, ASV Sunrise Apartments, Padmavathy Avenue, Thirumalai Nagar Annex, Perungudi, ksn.shanthi@gmail.com	Optical Emission and Electrical Conductivity Manipulation in Lead-Free Inorganic Perovskites by Controlled Ion Beam Irradiation.

BTR-4: ONGOING PROPOSALS

S. No.	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
53.	Dr. Rajesh Agnihotri Scientist E and In-charge, Birbal Sahni Institute of Palaeosciences, 53 University Road, rajagni9@gmail.com	AMS 14C measurements in selected sets of geological and archaeological samples of BSIP processed graphite powders.
54.	Prof. Karunakara. N CARER, Mangalore University, Mangalagangothri, drkarunakara@gmail.com	Validation of liquid scintillation spectrometry based carbon-14 measurements techniques by AMS and development of reference materials for environmental monitoring applications around nuclear power plant.

BTR-5: LOW ENERGY ION BEAM FACILITY

S. No.	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
55.	Dr. Aman Mahajan Assistant Professor, Department of Physics, Guru Nanak Dev University,	Ion beam engineering of two dimensional Ti3C2TX based MXenes for improved perovskite solar cells.

	Amritsar, Punjab, aman.phy@gndu.ac.in	
56.	Dr. N.Vijayan Principal Scientist, CSIR-National Physical Laboratory, Room No.42/46, Indian Reference Materials Division (IRM-BND) CSIR-National Physical Laboratory (Govt. of India), Dr. KS Krishnan Road New Delhi-110012, nvijayan@nplindia.org	Effect of low energy ion beams on Semi-Organic Acid Phthalate Single Crystals for Nonlinear Optical Applications.
57.	Dr. Vibha Chopra Assistant Professor, Dav College Amritsar (Guru Nanak Dev University), P.G. Department of Physics & Electronics, vibhachopra04@gmail.com	Low energy ion beam dosimetry of Phosphate based thermoluminescent phosphors.
58.	Ms. Kanika, Research Scholar, Department of Physics, Panjab University, upadhyayk.pu@gmail.com	Effect of low energy transition metal ion implantation on CoSb3 system.
59.	Dr. Madhvendra Nath Tripathi Associate Professor, Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya (Central University), Koni, Bilaspur, Chhattisgarh, PIN-495009, ommadhav27@gmail.com	Investigation of the effect of ion irradiation on the 2D-Transition metal dichalcogenides.
60.	Dr. Vikas Sharma Postdoctoral Fellow, 322, Department of Physics, IIT Bombay(IITB), POwai, Mumbai, India, phyvikas@iitb.ac.in	Radiation Hardness of halide Perovskite for Tandem applications.
61.	Dr. R. Arun Kumar Assistant Professor Grade I, Department of Physics, School of Sciences, National Institute of Technology Andhra Pradesh, Tadepalligudem, West Godavari District-534101, arunkumar@nitandhra.ac.in	Low energy ion irradiation of human tissue-equivalent phosphors.

62.	Dr. Manoj Kumar Jaiswal Assistant Professor, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, Vasundhara Enclave, East Delhi, New Delhi-110096, m.k.jaiswal7979@gmail.com	Study of ion implantation induced modifications of Tellurium oxide based Nanomaterials for application in Gas Sensor.
63.	Dr. Sarvesh Kumar, Scientist, IUAC, New Delhi, sariuac@gmail.com	Plasma instabilities in ECR ion sources.
64.	Prof. S. Moorthy Babu Professor and Director, Crystal Growth Centre, Anna University, Chennai-600025 smoorthybabu@gmail.com	Ion implantation in β-Ga2O3 for the fabrication of low resistance ohmic contacts.