

74th ACCELERATOR USERS' WORKSHOP

JULY 04, 2023 (TUESDAY)

09:00 – 09:15	WELCOME ADDRESS BY DIRECTOR, IUAC FOLLOWED BY REMARKS BY CHAIRMAN, AUC
<i>Session Chairperson:</i>	
09:15 – 11:00	<i>Session I: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
74102 (Online)	Assessing the Miyake events and bomb pulse 14C using the speleothems.: Dr. Naveen Gandhi, Indian Institute of Tropical Meteorology, Pune.
74109 (Online)	Absolute dating of archaeological samples from Late Holocene western uplands (Sijua and Barind) of West Bengal.: Dr. Rajat Sanyal, Department of Archaeology, University of Calcutta.
74110 (Online)	Study of northern Indian lake deposits to infer paleoclimatic history of Indian summer monsoon and its global implications.: Prof. Anil K Gupta, Indian Institute of Technology Kharagpur.
74111 (Online)	Reconstruction of paleoclimatic records from Kashmir valley using lake and meadows peat sediments.: Dr. Narendra Kumar Meena, Wadia Institute of Himalayan Geology, Dehradun.
74114	Understanding biospheric CO2 flux at Sonipat site located in Indo Gangetic Plane (IGP) using atmospheric radiocarbon measurements.: Dr. Ravi Kumar Kunchala, Centre for Atmospheric Science, IIT Delhi.
74116 (Online)	Analysis of plants and human relationship during Holocene from Indo-Malayan biodiversity hotspot regions in northeast India.: Dr. Sandhya Misra, Birbal Sahni Institute of Palaeosciences.
74121	Dating & delineation of water pollution sources in parts of suburban South Kolkata vis-à-vis groundwater- surface water interactions.: Dr. Aditya Sarkar, Presidency University, Kolkata.
11:00 – 11:15 BREAK	
<i>Session Chairperson:</i>	
11:15 – 13:00	<i>Session II: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
74123 (Online)	Elucidating the controls on sedimentary evolution of Andaman Sea using magnetic methods.: Dr. Firoz Badesab, CSIR-National Institute of Oceanography, Goa.
74202	Chronology of Neolithic Pottery of Kashmir-A Radio Carbon Dating Approach.: Mr. Abdul Adil Paray C/o. Dr. Manoj Kumar, AIHC & Archaeology, IGNTU, Amarkantak MP.
74203 (Online)	Oral Traditions of the Lepchas: An Archaeological enquiry in Sikkim.: Ms. Upasna Chettri C/o. Prof. Sukanya Sharma, Dept of HSS, IIT Guwahati.
74205 (Online)	Metagenomics based chemolithotrophic microbial profile and rock weathering processes in diverse climate-tectonic spectrum of Garhwal Himalaya.: Mr. Sohan Kumar C/o. Prof. Pradeep Singh, Indian Institute of Technology, Roorkee.
74207 (Online)	Elemental and Isotopic investigation of the Ganga (Hooghly) River lower basin and its estuary: cycling and transport of petrogenic carbon, REEs and Sr isotopes.: Mr. Rupak Samadder C/o. Dr. Tarun Kumar Dalai, IISER Kolkata.
74211 (Online)	Reconstruction of style and timing of the glacial fluctuation in the Chandra-Bhaga Basin, Lahaul Himalaya.: Mr. Ganga Sagar Bhagat C/o. Dr. Rakesh Saini, Dr Harisingh Gour Vishwavidyalaya (A Central University), Sagar, Madhya Pradesh.

13:00 - 14:00 BREAK	
<i>Session Chairperson:</i>	
14:00 – 16:00	Session III: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
74213 (Online)	Lake records from Northern and Eastern India and model runs to understand monsoon variability during the last millennium.: Mr. Biswajit Palar C/o. Prof. Anil Kumar Gupta, IIT Kharagpur.
74214 (Online)	Late Quaternary Landscape Denudation in the Lateritic Badlands of Garbeta, West Bengal.: Mr. Rajarshi Dasgupta C/o. Dr. Priyank Pravin Patel, Presidency University.
74218 (Online)	Tracing of sediment source-to-sink processes using magnetic mineral approach.: Mr. Nitin Kadam C/o. Dr. Firoz Badesab, Geological Oceanography Division, CSIR National Institute of Oceanography Goa.
74219 (Online)	Reconstructions of Palaeo and Present Glacial Fluctuations in the Zanskar Basin through Landform Interpretation.: Mr. Shubham Sahu C/o. Dr. Rakesh Saini, Dr Harisingh Gour Vishwavidyalaya (A Central University), Sagar, Madhya Pradesh.
74223 (Online)	Multi-proxy analysis of sediments from Chilika lake.: Mr. Abhijeet Santra C/o. Prof. Anil Kumar Gupta, IIT Kharagpur.
74224 (Online)	Weathering processes, Provenance character and climatic manifestations during the late Quaternary from Central Ganga Plain, India.: Mr. Nazakat Ali C/o. Dr. Biswajeet Thakur, Birbal Sahni Institute of Palaeosciences.
74226 (Online)	Reconstruction of vegetation succession, climate change and human habitation imprints on lacustrine system in the Ganga plain during Holocene-Pleistocene period.: Mr. Mohd Ikram C/o. Dr. Anjali Trivedi, Birbal Sahni Institute of Palaeoscience.
74227	Tectono-geomorphic studies along Taksal Fault, Northwestern Himalaya.: Ms. Poorvi Narayana Pitta C/o. Prof. Javed N Malik, IIT Kanpur.
16:00 - 16:15 BREAK	
<i>Session Chairperson:</i>	
16:15 – 17:45	Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
74228 (Online)	Paleomonsoonal shifts in the Lower Ganga Plain in the late Holocene: A multi-proxy study using lake sediments.: Ms. Madhurima Paul C/o. Prof. Anil Kumar Gupta, Indian Institute of Technology - Kharagpur.
74229 (Online)	Continental records of paleoclimate variability from Indian subcontinent during the Holocene.: Ms. Arpita Parhi C/o. Prof. Anil Kumar Gupta, Indian Institute of Technology, Kharagpur.
74230 (Online)	Tectono-geomorphic evolution of Vaigai River Basin, South India; implications of tectonics and climate.: Ms. Juni K J C/o. Prof. M. Ramkumar, Periyar University.
74232	Modelling Landscape dynamics of Cauvery delta.: Mr. Ramesharavind P C/o. Dr. K. Balasubramani, Central University of Tamil Nadu.
74235 (Online)	Study of sediment influx in core sediments of Vettar river. Insight for energy dynamics in fluvial process.: Mr. Madhan Raj K C/o. Dr. K. Balasubramani, Central University of Tamil Nadu.
74236 (Online)	Characterization of basin-scale landscape development through Geological, Geochemical and Geochronological indices: A Case study of Thamirabarani River Basin, Southern India, Tamilnadu.: Ms. Athira Pramod C/o. Prof. M. Ramkumar, Periyar University.
74222	Indian summer monsoon variability during the past ten thousand years.: Ms. Aakanksha Kumari C/o. Dr. Yama Dixit, Center for Atmospheric Sciences, Indian Institute of Technology (IIT) Delhi.

74th ACCELERATOR USERS' WORKSHOP

JULY 05, 2023 (WEDNESDAY)

<i>Session Chairperson:</i>	
09:15 – 11:00	<i>Session I: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
74501 & 74306 (Online)	Ion beam irradiation effects on L-malic acid and Guanidine carbonate based NLO crystals.: Dr. Dr. B. Sivasankari, The Standard Fireworks Rajaratnam College for Women (Autonomous), Sivakasi.
74503 (Online)	Crystallization of Amorphous Semiconductors thin film under ion irradiation.: Dr. Shiv Poojan Patel, Guru Ghasidas Vishwavidyalaya(GGV), Koni, Bilaspur, (C.G.).
74504 (Online)	Effect of Titanium Ion Implantation on Co-Cr-Mo Alloy for Bio Medical Applications.: Prof. I. Saravanan, Adhi College of Engineering, Affiliated to Anna University.
74505 & 74106 (Online)	Tailoring the magnetic properties of Mn ₃ X thin films by ion irradiation.: Dr. Hardeep Kumar, National Institute of Technology Uttarakhand.
74506	The study of the effect of low energy ion beams on some TLD materials.: Prof. Anant Pandey, Sri Venkateswara College, University of Delhi.
74510 (Online)	Effect of Ion Implantation & Irradiation on Structural, Optical and Electronic Properties of Bismuth Vanadate (BVO).: Ms. KM Shilpa Chauhan, Gurukul Kangri (Deemed to Be) University, Haridwar.
74514	Transition metal implantation in silicon nanowires for spintronics application.:(Copy of 74120): Dr. Arup Samanta, IIT Roorkee.
11:00 – 11:15 BREAK	
<i>Session Chairperson:</i>	
11:15 – 13:00	<i>Session II: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
74515	Ion Irradiation Understanding Er(x)SiC(1-x) for advanced fuel technology.: Mr. Umapathy , IIT Delhi, New Delhi.
74511 (Online)	Influence of Ca, C, N and Ag into 3D printed Ti and Ti alloys with Thin Film Metallic Glasses for bio implants.: Dr. B. Subramanian, CSIR-Central Electrochemical Research Institute, Sivaganga,Tamilnadu.
74512 (Online)	Influence of Mo ⁺ , Pd ⁺ and Au ⁺ on Electrodeposited Metal/metal oxide thin films for water splitting and corrosion resistance.: Dr. B. Subramanian, CSIR-Central Electrochemical Research Institute, Sivaganga,Tamilnadu.
74513 (Online)	Beyond Conventional Biosensing: Harnessing Ion Irradiation to Enhance the Electrochemical Activity of Metal Sulfide/Metal Oxide Thin Films for Biosensing Applications.: Dr. B. Subramanian, CSIR-Central Electrochemical Research Institute, Sivaganga, Tamilnadu.
74516 (Online)	Ion beam induced modification in ZnS/ZnSe and ZnO/ZnS bilayer thin film for optoelectronic applications.: Mr. Naveenkumar K R, University of Petroleum & Energy Studies Dehradun.
74509	Characterization of ECR ion source by measuring plasma instabilities.: Mr. Chandan Thakur, Jawaharlal Nehru University, New Delhi.
74321 & 74508 (Online)	High Entropy Alloys : Role of ion irradiation on their fabrication process, structures and properties.: Dr. Debasish Datta, Presidency University, Science Block- 2 , Salem.

13:00 - 14:00 BREAK

Session Chairperson:

14:00 – 16:00

Session III: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)

74305 & 74502 (Online) Effect of ion beam implantation on the Physio-Chemical Properties of poly(vinylidene fluoride - co - hexafluoro propylene) for Optoelectronic devices.: Dr. S. Jayanthi, The Standard Fireworks Rajaratnam College for Women (Autonomous), Sivakasi.

74302 & 74507 (Online) Exploring molecular growth in ion-molecule interactions at low (<150 eV) centre-of-mass energies.: Prof. Jyoti Rajput, University of Delhi.

74103 (Online) Mean charge state determination of the projectile ions inside the solid target through the measurement of ionization cross section.: Dr. Debasis Mitra, University of Kalyani.

74107 Study of projectile Z and energy dependence of line resolved M XRP cross sections for some heavy elements by high energy He, Li and B ion impact.: Prof. Sanjiv Puri, Punjabi University, Patiala.

74208 (Online) Study of inner-shell ionisation induced by heavy ions.: Ms. Sumana Ghosh C/o. Dr. Debasis Mitra, University of Kalyani.

74327 Study of beam-foil plasma interaction and wakefield phenomena.: Prof. Manish Kumar, Jawaharlal Nehru University, New Delhi.

74108 (Online) Ion beam induced luminescence studies of lanthanide doped nanophosphors.: Prof. Ashok K. Ganguli, Indian Institute of Technology Delhi.

74113 (Online) Investigations on Mo based metamaterials using swift heavy ions.: Dr. Rajesh V Hariwal, IUAC Delhi.

16:00 - 16:15 BREAK

Session Chairperson:

16:15 – 17:00

Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)

74117 (Online) Effect of SHI Induced defects and structural modification of MXene and their composites for biosensing applications.: Dr. Nutan Sharma, Vivekananda Global University, Jaipur.

74118 Determination of Radiation Induced Single Event Upset in SRAM based FPGA for severe Accident Monitoring Systems of Fast Breeder Reactor.: Dr. Ambuj Tripathi, Inter-University Accelerator Centre.

74122 (Online) Investigating the Effect of Ion Irradiation on Structure, Magnetic and Electrical Characteristics of Magnetic Multilayer and its Temperature Dependency.: Dr. Sachin Pathak, UPES Dehradun.

74th ACCELERATOR USERS' WORKSHOP

JULY 06, 2023 (THURSDAY)

<i>Session Chairperson:</i>	
09:15 – 11:00	<i>Session I: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
74206 (Online)	Crystallization of amorphous semiconductors thin film under ion irradiation.: Mr. Topeswar Meher C/o. Dr. Shiv Poojan Patel, Guru Ghasidas Vishwavidyalaya.
74209	Ion Beam Induced Metal to Insulator Transition and Identifying the Structural, Electronic and Transport Disorder of Vanadium Oxides.: Ms. Riya Dawn C/o. Dr. Vijay Raj Singh, Central University of South Bihar.
74210	Effect of Ion Implantation and Irradiation on AB ₂ O ₄ Type Spinel Oxides.: Ms. Aradhana Kumari C/o. Dr. Vijay Raj Singh, Central University of South Bihar.
74212	To study the energy and LET dependence of TL materials for ion beams used in cancer therapy.: Ms. Sayali Sudhir Gadre C/o. Prof. Anant Pandey, Sri Venkateswara College, University of Delhi.
74215 (Online)	Ion beam induced modification in ZnS/ZnSe and ZnO/ZnS bilayer thin films for optoelectronic applications.: Mr. Naveenkumar K R C/o. Prof. K. Asokan, School of Engineering, University of Petroleum & Energy Studies Dehradun.
74217 (Online)	Effect of Ion Implantation & Irradiation on Structural, Optical and Electronic Properties of Bismuth Vanadate.: Ms. Km Shilpa Chauhan C/o. Dr. Richa Saini, Gurukul Kangri (Deemed to Be) University, Haridwar.
74220	Improvement in gas sensing performance of WSe ₂ -SnO ₂ heterostructure based gas sensors through swift heavy ion irradiation.: Mr. Aditya Kushwaha C/o. Neeraj Goel, Netaji Subhas University of Technology, New Delhi.
11:00 – 11:15 BREAK	
<i>Session Chairperson:</i>	
11:15 – 13:00	<i>Session II: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
74221	Studies on Design, Development and Magnetic Properties of TiFeNiCo- Based Multi- Principal High Entropy Alloys.: Ms. Priyanka Kumari C/o. Dr. Rohit Ranjan Shahi, Central University of South Bihar, Gaya.
74237 (Online)	Effect of Swift Heavy Ion Irradiation on GaN Epitaxial Layers and Devices.: Mr. Kamal Singh C/o. Dr. Ashish Kumar, UPES, Dehradun.
74240 (Online)	Beyond Conventional Biosensing: Harnessing Ion Irradiation to Enhance the Electrochemical Activity of Metal Sulfide/Metal Oxide Thin Films for Biosensing Applications.: Ms. Manjubashini D C/o. Dr. B. Subramanian, Electroplating and Metal Finishing Division, AcSIR, CSIR-Central Electrochemical Research Institute, Karaikudi.
74241 (Online)	Investigation on Transition metal Sulphides based Nanocomposites for Energy Storage Application.: Ms. Baby Sri Pratha G C/o. Dr. Jeyanthinath Mayandi, Madurai Kamaraj University.
74303	Carbon and Proton ion beam dosimetry of energy independent thermoluminescent phosphors.: Dr. Vibha Chopra, DAV College, Katra Sher Singh, Amritsar.
74304 (Online)	Swift Heavy Ion Induced Starch Based CaCO ₃ Nanocomposite Hydrogels for Drug Delivery System and Heavy Metal Adsorption.: Dr. E. Kayalvizhy, PSGR Krishanammal college for Women Coimbatore, TamilNadu.

13:00 - 14:00 BREAK	
<i>Session Chairperson:</i>	
14:00 – 16:00	Session III: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
74307	SHI effect on photosensing properties of doped II-VI metal sulfides thin films.: Dr. Pragati Kumar, Central University of Jammu.
74309	Tailoring Transport and Thermoelectric Properties of Rare-Earth Doped CaMnO₃ Thin Film.: Dr. Keval Jayantilal Gadani, Indian Institute of Teacher Education (IITE), Ramkrushna Paramhans Vidya Sankul, Gandhinagar, (Gujarat).
74311 (Online)	Ion beam induced ageing effect in lead free ferroelectrics and its implication on Electro-Caloric Behaviour.: Dr. Sanjay Kumar Upadhyay, HNB Garhwal University (A Central University) Srinagar-Garhwal, Uttarakhand.
74312 (Online)	Tailoring Giant Photo-electrocatalytic Properties of Carbon Quantum Dots Compositod with Rare-earth Materials using Ion Irradiation Toward Green Energy Production.: Dr. Gunasekaran Venugopal , Central University of Tamil Nadu.
74313 & 74310	Study of ion irradiation-induced disorder in nuclear ceramics for immobilization of radionuclides waste. : Prof. Ranjana Jha, Netaji Subhas University of Technology, Dwarka, Delhi.
74314	Neutron scattering and Dielectric spectroscopy analysis of ion beam irradiated graphene polymer nanocomposites.: Dr. Radha Perumal Ramasamy, Anna University Chennai.
74315	Development of ion irradiated modified MOS based devices via SHI and Low energy ion beams for H₂ gas sensing applications.: Prof. Narendra Kumar Pandey, University of Lucknow.
74316 (Online)	Investigating the effect of Swift heavy ion irradiation on rare earth metal oxide polymer Composite: A study of its structural, optical, and electrical properties.: Dr. Sunitha D V, REVA Univetsity, Rukmini Knowledge park, Yelahanka, Bangalore.
16:00 - 16:15 BREAK	
<i>Session Chairperson:</i>	
16:15 – 17:00	Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)
74317 (Online)	Swift heavy ions induced modifications in structural and luminescence properties of hafnia-based nanocrystals.: Dr. Ankush Vij, Central University of Haryana, Mahendergarh.
74318 (Online)	Understanding the Impact of Swift Heavy Ion (SHI) on Thermoelectric Transport Properties of CaMnO₃ and Ca₃Co₄O₉ Thin Films.: Dr. Dilip Kumar Meena, HNB Garhwal University (A Central University) Srinagar-Garhwal, Uttarakhand.
74319 (Online)	Ion Beam Irradiation-Induced Modifications in Metal Nanoparticle-Decorated Tungsten Oxide Nanostructures for Improved Electrochromic Performance.: Dr. Chandra Shekhar Pati Tripathi, Banaras Hindu University, Varanasi, (U.P.).

74th ACCELERATOR USERS' WORKSHOP

JULY 07, 2023 (FRIDAY)

<i>Session Chairperson:</i>	
09:15 – 11:00	<i>Session I: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
74320	Tuning perpendicular magnetic anisotropy by swift heavy ion irradiation in Cobalt ferrite thin film for spintronics applications.: Dr. Sagar Sen, Maharaja Bhoj Govt PG College Dhar, (M.P.) Indore.
74322 (Online)	Structural, optical, magnetic and electrical properties of Aluminium and Copper ion irradiated ZnO/PVP nanocomposite.: Dr. S. Srinivasan, Presidency College.
74323 (Online)	Development of metal assisted semi organic non linear optical crystal and investigation on their response to oxygen, lithium and Nitrogen ion irradiation.: Dr. P. Srinivasan, National Institute of Technology Silchar.
74324	Chrome Tanning Pollutant Driven Intermediate Bandgap Solar Fuel Cells (CTIBS) with Ion Beams.: Dr. T. Logu, G.T.N. Arts College.
74325	Enhancing Gas Sensing Performance: Ion Beam-Assisted Metal-Organic Framework for Advanced Gas Sensors.: Dr. Kailash Baliram Sapnar, Fergusson College Pune.
74326	Effect of Li ³⁺ SHI Irradiation on Graphene Based Ni Substituted ZnO Nano Thin Films for Solar Cell Application.: Dr. H. A. Khawal, Shreeyash College of Engineering and Technology, Aurangabad.
74328 (Online)	Low Energy Ion irradiation effects on rGO - MoS ₂ Thin Films Grown by Solution Methods.: Dr. Goverdhan Reddy Turpu, Guru Ghasidas Vishwavidyalaya (GGV), Koni, Bilaspur, (C.G.).
11:00 – 11:15 BREAK	
<i>Session Chairperson:</i>	
11:15 – 13:00	<i>Session II: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
74329 (Online)	Effect of controlled defects induced by ion beam irradiation on structure, microstructure, micro-hardness, and corrosion properties of Ni-P-ZrO ₂ and Cu-P-ZrO ₂ nanocomposite coatings.: Dr. Manvendra Singh Khatri, NIT Uttarakhand.
74332	Effects of ion radiation on engineered magnetic bamboo activated carbon for water treatment.: Dr. Yana Bagbi, University of Delhi.
74333	TL/OSL Study of Micro- and Nanophosphors for Dosimetry of Ion Beams.: Prof. Nandkumar Tukaram Mandlik, Fergusson College (Autonomous) Pune.
74239 (Online)	Swift heavy ion beam as a probe for modifying the microstructure the NiO thin film.: Ms. Simranjeet Kaur C/o. Dr. Kaushik Sen, Indian Institute of Technology Delhi.
74105 (Online)	Effect of carbon and oxygen ions on GJIC in normal and cancer cells with relevance to mechanism of radio-resistance.: Dr. B N Pandey, RB&HSD, Bhabha Atomic Research Centre, Mumbai.
74115 (Online)	Understanding the effect of induced cytotoxic of radiation on cancer cells treated with Gold-nanoparticle attached with anti-cancer drug.: Dr. Dhruv Kumar, UPES Dehradun.
74119	Evaluation of Efficacy of High LET Carbon Ion Beam in Combination with Various Sensitizing/Cytotoxic Agents delivered with Nanocarrier to Enhance Apoptosis in Breast Cancer Cells.: Prof. Dalip Singh Mehta, Department of Physics, IIT Delhi.
74308	Understanding the efficacy of hexamine removal from simulated sewage water by low ionizing radiation exposed Micromonospora citrea SRCHD01 and Micrococcus luteus SRCHD02.: Prof. Shaon Ray Chaudhuri, Tripura University.

13:00 - 14:00 BREAK	
<i>Session Chairperson:</i>	
14:00 –16:00	<i>Session III: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
74104	Investigation of Octupole correlations in 69Ge.: Dr. Dinesh Negi, Manipal Institute of Technology, Manipal.
74112 (Online)	Elastic and inelastic scattering for the reaction 10B + 90Zr.: Dr. S. Appannababu, Andhra University.
74204	Spectroscopy and lifetime measurement of excited states in 66Zn AND 66Ga.: Mr. Bharat Kharpuse C/o. Dr. Buddhadev Mukherjee, Visva-Bharati, Santiniketan.
74216 (Online)	Searching for octupole correlation in 68Zn and 70 Ge and its trends in surrounding isotopes.: Mr. Sramana Biswas C/o. Dr. Buddhadev Mukherjee, Associate Professor, Visva-Bharati University.
74225 (Online)	Search for coexistence of different shapes and excitation mechanisms in transitional nuclei.: Mr. Anirban Basak C/o. Dr. Anagha Chakraborty, Visva-Bharati University.
74231	Fusion and transfer studies in the 28Si+124,126Te reactions at energies around the Coulomb barrier.: Ms. Varsha KV C/o. Dr. E. Prasad, Central university of Kerala.
74233	Study of reaction dynamics around the Coulomb barrier using a recoil separator.: Ms. Gonika C/o. Prof. Ashok Kumar, Panjab University, Chandigarh.
74234	Investigation of the structural properties of nuclei in A~70 mass region.: Mr. Yashraj C/o. Prof. Bivash Ranjan Behera, Panjab University, Chandigarh.
16:00 - 16:15 BREAK	
<i>Session Chairperson:</i>	
16:15 – 17:00	<i>Session IV: BTR- 1, 2, 3, 4, 5/ BTR- 5 & 1, 2, 3 (10+2 Minutes)</i>
74238 (Online)	Disentangling the role of different entrance channels on the transfer reaction mechanism.: Mr. Gobind Ram C/o. Prof. Manoj Kumar Sharma, University of Lucknow, Lunknow.
74330	Systematic Study of Low Energy Break-up Fusion Reactions.: Dr. Raja Nisar Ali, Central University of Kashmir.
74331 (Online)	Quasi-elastic scattering studies in the 30Si+142,150Nd reactions at energies around the Coulomb barrier.: Dr. E Prasad, Central University of Kerala.