

**SUMMARY OF BEAM TIME/PROJECTS SANCTIONED DURING
ACCELERATOR USERS COMMITTEE (AUC-58) MEETING**

S.No	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
1	Prof. Neil C. Hyatt Immobilisation Science Laboratory, Sir Robert Hadfield Building, Department of Materials Science and Engineering, The University of Sheffield , Mappin Street , Pin Code: S1 3JD Phone: (+44) 114 222 5470(Off.) n.c.hyatt@sheffield.ac.uk	Simulation of Radiation Damage Caused by Energetic Alpha Particle in Nuclear Waste Glasses.
2	Prof. Neil C. Hyatt Immobilisation Science Laboratory Sir Robert Hadfield Building Department of Materials Science and Engineering, The University of Sheffield, Mappin Street , Pin Code-S1 3JD Phone: (+44) 114 222 5470(Off.) n.c.hyatt@sheffield.ac.uk	Radiation Stability of Grey Phase in Nuclear Fuel Cell.
3	Dr. Ritu Vishnoi Assistant Professor Vardhman College, Bijnor-246701 (U.P.) Phone: 01342-262788 (O) 0141-2713152 (R) Mobile: 09351702038 Fax: 01342-265735 rituvdbs@gmail.com	Ordering of Polymer Films Using Energetic Ion for Applications in Organic Solar Cell.
4	Dr. (Mrs.) Sharmistha B. Anwar Advanced Materials Technology Department, CSIR-Institute of Minerals and Materials Technology, Bhubaneswar Odissa Pin Code- 751013 Phone: +91 8342050402 (Off.) +91 6742379450 (Res.) Mobile: +91 8342050402 sharmisthabagchi@immt.res.in	Deposition and Characterization of Tungsten Nitride Nickel Multilayer Thin Films by Swift Heavy Ion Irradiation.

5	<p>Dr. Waliur Rahaman National Centre for Antarctic & Ocean Research, Ministry of Earth Sciences, Govt. of India , Headland Sada, Vasco-Da-Gama, Goa Pin Code- 403804 Phone: 0832-2525637 (Off.) 0832-2556486 (Res) Mobile No. 8275891957 waliur@ncaor.gov.in</p>	<p>Measurement of Cosmogenic Nuclide ^{10}Be in Antarctic Ice Core Using AMS.</p>
6	<p>Dr. Arfat Firdous Asst. Professor (H.O.D Physics) Department of Higher Education, Head Department of physics, I.C.S.C, Srinagar, Kashmir -190002 Phone: 01942426819 (Off.) Mobile: 9796166912 arfat2phy@gmail.com</p>	<p>Synthesis of Germanium Based Semiconducting Nanostructures Using Thermal Evaporation Process and Its Device Applications.</p>
7	<p>Dr. Charu Lata Dube, Post Doctoral Research Associate, Immobilisation Science Laboratory Sir Robert Hadfield Building , Department of Materials Science and Engineering, The University of Sheffield Mappin Street , Pin Code- S1 3JD Phone: (+44)1142224261 (Off.) Mobile: (+44)7448031441 c.l.dube@sheffield.ac.uk</p>	<p>Simulation of Radiation Damage Caused by Decay of ^{239}Pu In Nuclear Waste Glasses.</p>
8	<p>Mr. Sunil Sharma Scientist D MMIC GaAs Fabline SSPL DRDO , Delhi -110054 Phone: 09968269466 Mobile: 09650809109 sundrdo@gmail.com</p>	<p>Study of Silicon Nitride Films (Si_3N_4) to Evaluate the Hydrogen Percentage (H%) Using Electron Recoil Detection Analysis (ERDA) Technique.</p>
9	<p>Ms. HariPriya Rath Asst. Professor Department of Physics, U.N. (Auto.) College of Sc.and Tech., Adaspur, Cuttack (Odisha) -754011 Phone: +91-674-2300385 (Resi) Mobile: +91 9437171349 haripriyarath@gmail.com</p>	<p>Grain Size Dependent Structural Phase Transformation in TiO_2 Nanoparticle Thin Films Under Swift Heavy Ion Irradiation.</p>

10	<p>Dr. Budhi Singh DST-INSPIRE Faculty Inter-University Accelerator centre, New Delhi-110067 Phone: +91-9643143976 (Off.) budhisingh.jnu@gmail.com</p>	<p>Modification of Charge Carrier Dynamics in Vanadium Dioxide Thin film Using Ion Irradiation.</p>
11	<p>Dr. A. P. Pradeepkumar Associate Professor and Head, University of Kerala, Dept. Of Geology, Kariavattom, Trivandrum- 695581 Phone: 0471-2308403 (Off) Mobile: 9895245380 geo.pradeep@keralauniversity.ac.in</p>	<p>Characterizing Catenas Developed Under Tropical Weathering Conditions Using Cosmogenic ^{10}Be and ^{26}Al Analyses And Geochemistry.</p>
12	<p>Dr. M. A. More Professor Dept. Of Physics, S. P. Pune University, FEM/FIM Laboratory, Dept. Of Physics, Savitribai Phule Pune University, Ganeshkhind, Pune, Maharashtra- 411007 Phone: 020-25692678 (Off.) 020-25691179 (Res.) Mobile: 8805387102 Fax: 020-25691684 mam@physics.unipune.ac.in</p>	<p>Studies on Influence of Swift Heavy Ion Irradiation, (Au, Ni; 100 MeV) on the Field Emission Characteristics of Polypyrrole (PPy) Nanostructures and Nanocomposites.</p>
13	<p>Dr. Sanat Kumar Mukherjee Assistant Professor , Department of Physics , Birla Institute of Technology, Mesra, Ranchi, Jharkhand - 835 215 Phone: 0651-2275444 (Off.) Mobile: 09431363464 sanat.mukherjee@bitmesra.ac.in</p>	<p>Investigations on the Role of Ion Implantation in the Development of Metal Embedded Multilayer Transparent Conducting Oxides.</p>
14	<p>Dr Rajesh Arun Joshi Assistant Professor , Toshniwal Arts, Commerce and Science College, Sengaon Dist Hingoli- 431542 MS India affiliated to SRTM University, Nanded . Pin Code- 431542 Mobile: 9096655278 urajoshi@gmail.com</p>	<p>Study An Effect of SHI Irradiation on Physicochemical and Optoelectronic Properties Of CdS/CuInSe₂ Thin Films For Sensor Applications.</p>

15	<p>Dr. Prabhakar Singh Head and Associate Professor, Deptt. Of Physics, St. John's College, Dr. Bhim Rao Ambedkar University, Agra- 282001 Mobile: 9412588675 psingh0562@gmail.com</p>	<p>To Study and Characterize the Thermoelectric Properties Of In/Se and Al/Sb Thin Films Prepared by Ion Beam Mixing.</p>
16	<p>Prof. G. S. Roonwal Hon. Visiting Professor, IUAC, New Delhi Phone: 011-26893955 roonwalgs@hotmail.com</p>	<p>Metal Technolgy in Pre- Historic N-W India.</p>
17	<p>Dr. D. G. Kuberkar Professor Department of Physics, Saurashtra University, Rajkot – 360 005 Phone: +91-0281-2588428(Off.) +91-0281-2584157 (Res.) Fax +91-281-2576347 dgkuberkar@gmail.com</p>	<p>Magnetic Phase Evolution In $NdMn_xCu_{1-x}O_3$ (x = 0.00, 0.05, 0.10) Manganite Films: Effect of SHI Irradiation.</p>
18	<p>Dr. A. P. Gnana Prakash Associate Professor Department of Studies in Physics, University of Mysore, Manasagangotri Mysore, Pin Code-570006 Phone: 0821-2419606 (Off.) Mobile: +91-9590583920 gnanaprakash@physics.uni-mysore.ac.in</p>	<p>Studies on the Effects of High LET Swift Heavy Ion Irradiation on Bipolar and MOS Devices Using IV/CV/DLTS Techniques.</p>
19	<p>Dr. Parmod Kumar Research Associate C/o Dr. K. Asokan Materials Science Division , Inter University Accelerator Centre, New Delhi -110067 Mobile: 9971035119 parmodiitd@gmail.com</p>	<p>Investigations on Magnetic Properties of Swift Heavy Ions Irradiated MgO Systems for Spintronic Applications.</p>

20	<p>Dr. Kanika Aggarwal Assistant Professor S. L. I. E. T Longowal (MHRD funded) Deemed University, Room No-203, Department Of Physics, Science Block, S. L. I. E. T Longowal , Pin Code: 148106 Phone: 01671-253181 (Off.) 01672-253745 (Res.) Mobile: 8699643527 Kannu.phy@gmail.com</p>	<p>Swift Heavy Ion Induced Modification in Metallic Interface for Hydrogen Sensing.</p>
21	<p>Prof. Shikha Varma Institute of Physics , Bhubaneswar- 751005 Phone: 0674-230-6410 (Off.) Mobile: 9337103334 shikha@iopb.res.in</p>	<p>Effect of Projectile on Single Layer Graphene Under Swift Heavy Ion Irradiation.</p>
22	<p>Mr. Ashok Kumar Assistant Professor Department of Physics, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat, Haryana. Pin Code- 131039 Phone: 01302484136 (Off.) Mobile: 09050139837 ashok.physics22@gmail.com</p>	<p>Study on Synthesis and Magnetic Properties of Irradiated Mg-Zn and NiCoZnFe₂O₄ Ferrites.</p>
23	<p>Dr. Ajay Y. Deo Assistant Professor Department of Physics , Indian Institute of Technology Roorkee, Roorkee, Uttarakhand Pin Code- 247667 Phone: 01332285566 (Off.) 01332285568 (Res.) Mobile: 09458178557 ajaydeo@gmail.com</p>	<p>High-Spin States and Isomers In ²¹⁶Ra.</p>
24	<p>Dr. Abhishek Yadav Young- Scientist Inter-University Acceletator Centre, Aruna Asaf Ali Marg, New Delhi-110067 Mobile: +91-9015044037 abhishekyadav117@gmail.com</p>	<p>Influence of Hexadecapole Deformation on Heavy-Ion Reaction Mechanism.</p>

25	<p>Dr. Pralay Maiti Professor School of Materials Science and Technology, Indian Institute of Technology (BHU), Varanasi-221005 (U.P.) Mobile: 09935141321 Pmaiti.mst@itbhu.ac.in</p>	<p>Creation of Nanochannels Using SHI for Fuel Cell Membrane.</p>
26	<p>Dr. Srashti Gupta Research Associate Material Science Group IUAC, Delhi-110067 Mobile: 9911289390 srashti.3@gmail.com</p>	<p>Comparative Study of Thermoelectric Properties of Bi_2Te_3 : Metal Nano Composite Thin Films After Ion Irradiation and Thermal Annealing Treatment.</p>
27	<p>Prof. Sibaji Raha Senior Professor & Director, Bose Institute Kolkata, Centenary Building Mailing Address: P-1/12, CIT SCHEME VII-M, PIN Code-700054 Phone: (033)25693201 (Off.) Mobile: +91 9432649834 +919830623068 (Sandhya Dey- Concerned Scientist) Fax (033) 2569-3127 sibaji.raha@jcbose.ac.in</p>	<p>Refining the Calibration of A Solid State Nuclear Track Detector (PET) With Heavier Ions ^{109}Ag And ^{197}Au Using Rutherford Back Scattering Method and Identification of An Unknown Ion ($^{40}\text{Ca}/^{64}\text{Zn}$) Using the Calibration Curve.</p>
28	<p>Dr. A. K. Sinha Acting Director UGC DAE CSR & Centre-Director, UGC DAE CSR, KC Mailing Address: UGC DAE CSR, KC, Sector-III, LB-8, Bidhan Nagar, Kolkata-700098 Phone: 033-2335-8035 (Off.) Mobile: 08981012373 ajitmars@gmail.com</p>	<p>State Resolved Heavy-Ion Transfer Reactions Forming Large Radius Loosely Bound States.</p>

29	<p>Dr. Anagha Chakraborty Assistant Professor Department of Physics, Siksha Bhavana, Visva-Bharati, P.O.: Santiniketan, Dist.: Birbhum, West Bengal Pin Code: 731 235 Mobile: 09475217491 anagha.chakraborty @gmail.com , anagha.chakraborty @visva-bharati.ac.in</p>	<p>Investigation of Nuclear Shell Effects on the Level Density Parameter For Nuclei Around $N, Z \sim 82$ Shell-Closures.</p>
30	<p>Dr. K. Baskar Professor & Director Crystal Growth Centre, Anna University, Chennai Pin Code-600 025 Phone: + 91-44-22358322 (Off.) Mobile: + 91-9444125126 baskar@annauniv.edu, drbaskar2009@gmail.com</p>	<p>Heavy-Ion-Irradiation-Induced Disorder in III-Nitride Materials Grown by Metal Organic Chemical Vapour Deposition (MOCVD).</p>
31	<p>Ms. Renu Tomar Research Scholar Indian Institute of Technology Delhi WE 8, Himadri Hostel, IIT Delhi , Hauz Khas, New Delhi -110016 Mobile: +91 9873813411 renutomar22@gmail.com</p>	<p>Luminescent Properties and Defects induced Magnetism in Rare Earth Erbium Oxide (Er₂O₃).</p>
32	<p>Dr. S. Santra Scientific Officer Nuclear Physics Division, VDG Bldg., BARC, Mumbai-400085 Phone: 022-2559-3587 (Off.), 022-25583617 (Res.) Mobile: 09969872430 ssantra@barc.gov.in</p>	<p>Evaporation Residue Cross-Section Measurement for Several Systems.</p>
33	<p>Dr. (Mrs.) Unnati Principal Investigator (WOS-A) University of Delhi, Mailing Address: C/o. Samit Kr. Mandal Room No. 182, IInd Floor Multistory Building, Department of Physics and Astrophysics, University of Delhi, Delhi-110007 Mobile: 9650873366 unnatig@gmail.com</p>	<p>Probing of Heavy Ion Interactions Using ¹⁹F Beam @ Energy 4-7 MeV/A.</p>

34	<p>Dr. Budhi Singh DST-INSPIRE Faculty Inter-University Accelerator Centre, New Delhi-110067 Phone: +91-9643143976 budhisingh.jnu@gmail.com</p>	<p>Tuning The Magnetic Properties of Al, Ga, In, Cu and Ag Doped ZnO Thin Films via Ion Irradiation.</p>
35	<p>Mr. Rajeev Kaushik C/o. Dr. Rahul Singhal Department of Physics, MNIT, Jaipur, JLN Marg, Malviya Nagar, Jaipur-302017 Phone: 0141-2712552 Mobile: 09549654378 rahuliuac@gmail.com</p>	<p>Swift Heavy Ion Irradiation of Fullerene C₇₀ Thin Films for Calculation of Ion Track Diameter Using Different S_e Values.</p>
36	<p>Mr. Nitin Kumar C/o. Dr. Bhawna Joshi Department of Applied Physics, Guatam Buddha University, Greater Noida-201310, Guatam Budh Nagar, Uttar Pradesh, Mobile: 09999516993, 0120-2344355 bjoshi_physics@yahoo.com, bhawana@gbu.ac.in</p>	<p>Modifications of the Properties of Multicomponent Transparent Conducting Oxides Thin Films by Ion Beam Irradiation.</p>
37	<p>Mr. Neeraj Kumar C/o. Dr. Shashi Verma, Department of Physics & Astrophysics, University of Delhi, Delhi-110007 Mobile: 9871771323 vermasvin2006@gmail.com</p>	<p>Study of Fission Dynamics In Mass Region~200 Through Neutron Multiplicity, Evaporation Residue (ER) And ER Gated Spin Distrubution Measurement.</p>
38	<p>Mr. Kabeer Shrinet C/o Prof. Balak Das, Advanced Materials Research Lab., Department of Physics, University of Lucknow, Lucknow- U.P., Pin code- 226007 Mobile no.: 9415375890 bdas226010@gmail.com</p>	<p>Effect of Swift Heavy Ion (SHI) Irradiation on Polyaniline (PANI) Zinc-Oxide Nanocomposites (Bulk and Thin Films).</p>

39	<p>Mr. Rudra Narayan Sahoo C/o. Dr. Pushpendra P. Singh, Department of Physics, Indian Institute of Technology Ropar, Rupnagar, PB – 140 001 Phone: +91-1881-242268 (Office), +91 – 8283834321 (Mobile) pps@iitrpr.ac.in</p>	<p>Probing of (Multi-) Nucleon-Transfer Events Around the Barrier.</p>
40	<p>Mr. Pankaj Kumar Giri C/o. Dr. Dharmendra Singh, Center For Applied Physics , Central University Of Jharkhand, Brambe, Ranchi-835205 , Phone: 08809323825 dsinghiuac@gmail.com dsinghress@yahoo.com</p>	<p>Investigation of Break-up Fusion and Its Dependency on Target Deformation at Energies 3-8 MeV/Nucleon.</p>
41	<p>Mr. Vishnu Kumar C/o. Prof. S. Annapoorni Department Of Physics And Astrophysics , University Of Delhi, Delhi-110007 Mobile: 9871521718 annapoornis.phys@gmail.com</p>	<p>Synthesis, Characterization and Physical Properties of Some Functional Perovskite Oxynitrides.</p>
42	<p>Mr. Suhail Ahmad Tali C/o. Dr. M. Afzal Ansari Department of Physics, A.M. U., Aligarh -202002 Mobile: 09412596205 drmafzalansari@yahoo.com</p>	<p>Study Of Break-up Fusion Process and Its Sensitivity to Alpha Q-Value Below ≈ 8 MeV/Nucleon Energies.</p>
43	<p>Mr. Saumyajit Biswas C/o. Dr Anagha Chakraborty Department of Physics, Siksha Bhavana, Visva-Bharati, Santiniketan – 731235, West Bengal Phone: 09475217491 anagha.chakraborty@visva-bharati.ac.in</p>	<p>Fusion Studies with Quasi Elastic Scattering Measurements.</p>
44	<p>Ms. Mini Agarwal C/o. Dr. Pratik Kumar, Associate Professor (Chief Supervisor) Medical Physics Unit, AIIMS, New Delhi-110029 Phone: 09810197511 drpratikkumar@gmail.com</p>	<p>Synthesis and Characterization of Luminescent Materials for Their Medical Dosimetry Applications.</p>

45	<p>Ms. G. Naga Jyothi C/o. Dr. P. V. Madhusudhana Rao, Assistant Professor, Department of Nuclear Physics, Andhra University, Visakhapatnam – 530 003, Andhra Pradesh, Phone: 0891-284-4138 Mobile No.: 09440659975 madhu_vzg@yahoo.com, pvmrao.nuphy@auvsp.edu.in</p>	<p>Effect of Positive Q-Value Multi-Neutron Transfer Channels On Sub- Barrier Fusion Process.</p>
46	<p>Ms. A. Tejaswi C/o. Dr. P. V. Madhusudhana Rao, Assistant Professor, Department of Nuclear Physics, Andhra University, Visakhapatnam – 530 003, Andhra Pradesh, Phone: 0891-284-4138 Mobile No.: 09440659975 madhu_vzg@yahoo.com, pvmrao.nuphy@auvsp.edu.in</p>	<p>Transfer and Shape Degrees of Freedom In Sub-Barrier Fusion.</p>
47	<p>Mr. Vivek Mishra C/o. Dr. Ajay Kr. Tyagi Department of Physics BHU, Varanasi-221005 Mobile: 9532098800 atyagi44@yahoo.co.in</p>	<p>Measurement of Neutron Multiplicity to Investigate the Role of Entrance Channel and E/A In Nuclear Dissipation.</p>
48	<p>Mr. Dive Avinash Shivaji C/o. Dr. Ramphal Sharma, Thin Film and Nanotechnology Laboratory, Department of Physics Dr. Babasaheb Ambedkar Marathwada University Aurangabad- 431004, Maharashtra Phone: 0240-2403284 rps.phy@gmail.com, ramphalsharma@yahoo.com</p>	<p>Effect Of SHI Irradiation on Nanocrystalline ZnMgS Thin Films for Photovoltaics.</p>
49	<p>Mr. Shabir Ahmad Kumar C/o. Prof. Mohd. Zulfeqar Department of Physics, Jamia Millia Islamia (A Central University), New Delhi-110 025 Phone : 011-26989965 (Lab.), 011-26848624 (Resi.) Mobile: 9811222035 mzulfe@rediffmail.com, mzulfeqar@jmi.ac.in</p>	<p>Effect of Laser Gamma-Ray and Swift Heavy Ions Irradiation on Compound Semiconductors.</p>

50	<p>Ms. Chandrani Majumder C/o. Dr H. P. Sharma Department of Physics, Faculty of Science, Banaras Hindu University, Varanasi-PIN 221005, UP, India Phone: 9336063074 hpsharma_07@yahoo.com</p>	<p>Investigation of Magnetic and Anti-Magnetic Bands in Nuclei.</p>
51	<p>Ms. Sneha Bharti Linda C/O. Dr. Dharmendra Singh, Assistant Professor , Center For Applied Physics , Central University Of Jharkhand, Brambe, Ranchi-835205 Phone: 08809323825 dsinghiuac@gmail.com, dsinghress@yahoo.com</p>	<p>Study of Projectile Structure and Mass Asymmetry Effect on Incomplete Fusion Dynamics at Energy below 8 MeV/Nucleon.</p>
52	<p>Mr. Nabendu Kumar Deb C/o. Dr. Kushal Kalita Physics Department, Gauhati University, Guwahati-781014 (Assam) Phone: 9859936869 ku_kalita@yahoo.com</p>	<p>Role of Neutron Transfer on the Enhancement of Fusion Cross Section of Various Systems of $^{16,18}\text{O}+\text{Ni}$, Sn.</p>
53	<p>Mr. Mutturaj M. Hosamani C/o. Dr. N. M. Badiger Department of Studies in Physics, Karnatak University, Dharwad-580 003 Phone: 09740827296 nbadiger@gmail.com</p>	<p>Heavy Ion Nuclear Reaction: Nuclear Fusion-Fission Time Scale Measurements.</p>
54	<p>Ms. Jisha P C/o. Dr. A. M. Vinodkumar, Dept. Of Physics University Of Calicut, Kerala- 673635 Mobile: 09645078924 attukalathil@gmail.com</p>	<p>Role of Positive Transfer Q Values in Fusion Evaporation Residue Cross Sections for $^{180}\text{O}+^{182,184,186}\text{Reactions}$.</p>
55	<p>Mr. Deepak Kumar C/o. Dr. Moumita Maiti, Physics Department IIT Roorkee, Roorkee-247667 moumifph@gmail.com</p>	<p>Production of Some Important Neutron Deficient Radionuclides of Second Transition Elements.</p>

56	Mr. Prashant Sharma C/o. Dr. Tapan Nandi Atomic Physics IUAC-110067 Phone: 9868623816	Study of Atomic and Nuclear Phenomena Associated with Highly Charged Ions Produced during Nuclear Reactions.
57	Dr. Ashok Kumar Professor Department of Physics, Tezpur University, Napaam, Assam, Pin: 784028 Phone: (03712)275553 Mobile: 09401620770 Fax: (03712)267006 ask@tezu.ernet.in	SHI Irradiation Effects on Graphene Based Conducting Polymer Nanocomposites for Electrode Applications.
58	Dr. S. Aravindan Assistant Professor Department of Earth Sciences, Annamalai University, Annamalai Nagar, Pin Code -608002 Phone: 04144 - 238282 *324 (Office), 04144- 227151 (Residence) Mobile: 9487527151, 9486143366 Fax: 04144 – 238080 aravindan_rs@yahoo.com	Erosion and Tectono Geomorphological Control in Relation to Climate Variation in A Part of Musiri Taluk, Trichirapalli District, Central Tamil Nadu (Eat-Climate).
59	Dr. Balaji Birajdar Assistant Professor Special Centre for Nanoscience, Jawaharlal Nehru University, New Delhi-110067 Phone: 01126704743 Mobile: 0950479952 balaji.birajdar@gmail.com	Nanostructure- Dielectric Properties Relationship in Lead Free Relaxor Ferroelectrics Using Transmission Electron Microscopy.
60	Dr. Atul Khanna Professor Guru Nanak Dev University Department of Physics, Amritsar, Punjab Pin Code- 143005 Phone: 0183-225-8802 (Extn: 3168(Off.) 0183-222-1091 (Resi) Fax: 0183-225-8820 akphysics@yahoo.com	Study of Ion Beam Induced Structural Transitions in Metastable Borate and Tellurite Crystalline Phases.

61	<p>Dr. Ramakanta Naik DST-INSPIRE Faculty, Department of Physics, Utkal University, Bhubaneswar, Pin Code- 751 004 Phone: 0674-2567079 (Off.) Mobile: 9438743730 ramakanta.naik@gmail.com</p>	<p>Swift Heavy Ion Induced Mixing of Bi/As₂Se₃ Bi-Layers for Tailoring the Properties of the Bi/As₂Se₃ Composite System.</p>
62	<p>Dr. Pawan Kumar Tyagi Asst. Professor, Dept. of Applied Physics, Delhi Technological University (Formerly Delhi College of Engineering), Shahabad, Daulatpur, Bawana Road, Delhi-110042 Mobile: +91-8800977457 tyagi_pawan@yahoo.co.in, Pawan.phy@dce.edu</p>	<p>Ion Irradiation on Filled- Multiwalled Carbon Nanotubes.</p>
63	<p>Dr. Shiv Poojan Patel Assistant Professor Department of Pure & Applied Physics , Guru Ghasidas Vishwavidyalaya (A Central University) Koni, Bilaspur (C.G.) India. Pin Code: 495009 Phone: 07752-260159 (Office) Mobile: 09479246120 shivpoojanbhola@gmail.com</p>	<p>Metal Induced Crystallization of Amorphous Semiconductors Under Swift Heavy Ion Irradiation.</p>
64	<p>Dr. Samit Kr Mandal Associate Professor Department of Physics & Astrophysics, University of Delhi, Delhi-110007 Phone: 011 27662534 (Off.) Mobile: 09868789924, 09582068428 Fax: 011 27667061 smandal@physics.du.ac.in, s.mandal.du@gmail.com</p>	<p>Investigation of Few-Nucleons Transfer and Fusion Reactions Mechanism in Medium Mass Nuclei at and Near the Coulomb Barrier.</p>
65	<p>Dr. Ajay Kumar Assistant Professor Physics Department, BHU, Varanasi, Pin Code: 221005 Phone: 9532098800 atyagi44@yahoo.co.in</p>	<p>Study of Unresolved Issues of Heavy Ion Fusion Reaction Dynamics Through Particle Evaporation.</p>

66	Dr. Pravanjan Mallick Lecturer in Physics North Orissa University, Takatpur, Baripada, Odisha- 757003 Mobile: 09437656274 pravanjanphy@gmail.com	Evolution of Properties of NiO/ZnO pn Junction Under SHI Irradiation.
67	Dr. Bivash Ranjan Behera Assistant Professor Punjab University, Chandigarh- 160014 Mobile: 9815324956 bivash@pu.ac.in , bivashbehera@yahoo.co.in	Measurement of Fusion Barriers Distributions.
68	Prof. (Dr.) Dinesh Varshney Professor School of Physics Devi Ahliya University, Indore-452001 Phone: 07312467028 07312760074(Res.) Mobile: +919826076903 Fax: (0731) 2467028 vdinesh33@rediffmail.com	Swift Heavy Ion Induced Structural, Transport and Optical Studies of Some Manganite Based Composite Films.
69	Dr. K. Baskar Professor, Crystal Growth Centre, Anna University, Chennai-600025 Phone: +91-44-22358322 (Off.) Mobile: +91-9444125126 baskar@annauniv.edu , drbaskar2009@gmail.com	Irradiation Effects on InGaN and AlInGaN Epilayers grown by Metal Organic Chemical Vapour Deposition (MOCVD).
70	Dr. Ranjith G. Nair Assistant Professor, Department of Physics, National Institute of Technology Silchar, Assam-788010 Phone: +91 3842 242914 Mobile: +91-9401519326 Fax: +91 3842 224797 rgnair2007@gmail.com	Energetic Ion Beam Assisted Synthesis Of Ag/Au Ion Implanted Titania/Zno Thin Film and Investigation of Their Utility As Photoanode for Dye Sensitized Solar Cell.
71	Dr. Utpal Ghosh Assistant Professor of Biophysics, Department of Biochemistry & Biophysics, University of Kalyani, West Bengal-741235 Phone: 033-28528750 (Extn. 385) (Off.) 9432261574, 033-25828282 (Res.) utpal8ghosh@gmail.com	Investigation of DNA Repair Pathways and Cross- Talk Between PARP-1 and P53 After Carbon Ion Beam Irradiation in Cultured Human Cells.

72	<p>Prof. A. K. Bhati Physics Department, Panjab University, Chandigarh -160014 Phone: 0172-2534452 (Off.) Mobile No.: 09216502325 akbhati@pu.ac.in</p>	<p>Nuclear Electromagnetic Moments And the Atomic Magnetic Moments Measurements Using The PAD Technique.</p>
73	<p>Dr. Nimisha Sharma Associate Professor University School of Biotechnology, GGS Indraprastha University, New Delhi- 110078 Phone: 011-25302314 (Off.) Mobile: 9560913903 nimishaphd@gmail.com, nimisha@ipu.ac.in</p>	<p>Engineering Zinc Oxide-Graphene Oxide Nanocomposites for Antibacterial Applications by Swift Heavy Ion Irradiation.</p>
74	<p>Dr. Srinivasa Rao Nelamarri Department of Physics, Malaviya National Institute of Technology Jaipur JLN Marg, Jaipur - 302017 Rajasthan. Phone: 0141-2713433 (Off.) 0141-2713133 (Res.) Mobile: 09549654851 / 09636337638 srnelamarri.phy@mnit.ac.in, nsrphysics@yahoo.com</p>	<p>Ion Beam Induced Modification of Structural and Optical Properties of Germanium Oxide Thin Films and Nanocrystals.</p>
75	<p>Dr. Sandeep Kumar UGC-Assistant Professor Department of Physics Central University of Rajasthan, Banadarsindri, Ajmer, Rajasthan-305817 Phone: 01463-238588 (Off.) Mobile: 8290686644 Fax: 1463-238722 sandeep.kumar@curaj.ac.in</p>	<p>Ion Beam Induced Modification of Transport Properties of Mn Doped GaAs Nanowires.</p>
76	<p>Dr. Pawan Kumar Tyagi Asst. Professor, Dept. of Applied Physics, Delhi Technological University (Formerly Delhi College of Engineering), Shahabad, Daulatpur, Bawana Road, Delhi-110042 Mobile: +91-8800977457 tyagi_pawan@yahoo.co.in, Pawan.phy@dce.edu</p>	<p>Ion Irradiation on Nanosized Ultrathin MoS₂ Sheet.</p>

77	<p>Dr. Punita Verma Associate Professor Department of Physics, Kalindi College, East Patel Nagar New Delhi -110008 Phone: 011-25787604 (Off.) 011-22591580 (Res.) Mobile: 9868617769, 8800650576 Fax 011-25782505 p.verma.du@gmail.com</p>	<p>Molecular Orbital Approach to the Inference of X-Ray Measurements at Small Inter Atomic Distances.</p>
----	--	---

BTR-5: LOW ENERGY ION BEAM FACILITY

S.No	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
1	<p>Dr. Hareesh K C/o. Prof. S. D. Dhole Department of Physics, Savitribai Phule Pune University, Ganeshkhind, Pune, India Pin Code- 411007 Phone: +91-20-25692678 Mobile: +91-7756838562 appi.2907@gmail.com</p>	<p>Reduction of Graphene Oxide by Low Energy Ion Irradiation and Its Application as Super-Capacitor.</p>
2	<p>Dr. H. B. Ravikumar Assistant Professor Department of Studies in Physics, University of Mysore, Manasagangotri, Mysore, Karnataka State, India Pin Code-570006 Phone: 08212419604 (Off.) Mobile: 09448600124 hbr@physics.uni-mysore.ac.in</p>	<p>Influence of Oxygen and Argon Ion Implantation on the Microstructural Changes and Electrical Conductivity of Glass and Bakelite RPC Detector materials by Positron Lifetime Spectroscopy.</p>
3	<p>Dr. R. P. Chauhan Associate Professor Department of Physics, National Institute of Technology, Kurukshetra (Haryana)-136119 Phone: +919896975913 chauhanrpc@gmail.com</p>	<p>Study of Low Energy Ion Beam Induced Modifications in the Properties of Semiconducting Nanowires.</p>

4	<p>Dr. Ramesh Chandra Professor Institute Instrumentation Centre, Indian Institute of Technology, Roorkee, Haridwar (U.K.) Pin Code- 247667 Phone: 01332-285910 (Off.) Mobile: 09897031912 ramesfic@iitr.ac.in, ramesfic@gmail.com</p>	<p>Fabrication of Complex Oxide Nanostructures Using Ion Irradiation.</p>
5	<p>Dr. Kanupriya Sachdev Associate Professor, Department of Physics, Malviya National Institute of Technology, JLN Marg, Malaviya Nagar, Jaipur-302017 Mobile: 09549657337, 09829128200 ksachdev.phy@mnit.ac.in</p>	<p>Investigation on effect of Ion Implantation on Nb doped TiO₂ Thin Layer.</p>
6	<p>Dr. Jyotsna Sharma Asst. Prof. School of Basic & Applied Sciences, K. R. Mangalam University, Gurgaon-122103 Phone: 07042929561 (Off) 011-22918786 (Res.) Mobile: 09953323436, 09873330781 bjyotsna28@yahoo.com, plasmajyoti@gmail.com</p>	<p>Highly Charged Ion Induced Coulomb Explosion of Halomethanes.</p>
7	<p>Mr. Vikas Sharma Research Scholar C/o Dr. Kanupriya Sachdev Department of Physics, MNIT JLN Marg, Malaviya Nagar, Jaipur -302017 Phone: 0141 2713250 Mobile: 09351402045 phyvikas@gmail.com</p>	<p>Investigation on Effect of Ion Implantation on Multi Layer Metal Oxide Thin Films for Opto-Electronics.</p>
8	<p>Dr. M. J. Joshi Professor Crystal Growth Laboratory, Department of Physics, Saurashtra University, Rajkot-360 005, Gujarat Pin Code: 360 005 Phone: (0281) 2588424 (Off.) (0281) 2479340 (Residence) Mobile: +91 9099939431 mshilp24@rediffmail.com</p>	<p>Effect of He⁺ Implantation on Collagen/Hydroxyapatite Composite.</p>

9	<p>Dr. Tanuj Kumar Assistant Professor Central University of Haryana (CUH), Jant-Pali, Mahendergarh-123029 Mobile: 9992910750 tanujkumar@cuh.ac.in</p>	<p>Role Of Amorphous/Crystalline (A/C) Interface in Surface Patterning Under Ion Bombardment.</p>
10	<p>Dr. Ranjith G. Nair Assistant Professor, Department of Physics, National Institute of Technology Silchar, Assam-788010 Phone: +91 3842 242914 Mobile: +91-9401519326 Fax: +91 3842 224797 rgnair2007@gmail.com</p>	<p>Energetic Ion Beam Assisted Synthesis of Ag/Au Ion Implanted Titania/ZnO Thin Film and Investigation of Their Utility as Photoanode for Dye Sensitized Solar Cell.</p>
11	<p>Dr. Balaji Birajdar Assistant Professor Special Centre for Nanoscience, Jawaharlal Nehru University, New Delhi-110067 Phone: 01126704743 Mobile: 0950479952 balaji.birajdar@gmail.com</p>	<p>Nanostructure- Dielectric Properties Relationship in Lead Free Relaxor Ferroelectrics Using Transmission Electron Microscopy.</p>
12	<p>Dr. Sandeep Kumar Garg Research Associate Inter-University Accelerator Centre(IUAC), Aruna Asaf Ali Marg, Vasant Kunj, New Delhi-110067 Mobile: +919238987888 sgarg@iuac.res.in</p>	<p>Surface Modification Study of Al₂O₃, SiO₂ by Using Low Medium Energy Ions.</p>
13	<p>Dr. Prabhakar Singh Head and Associate Professor, Deptt. Of Physics, St. John's College, Dr. Bhim Rao Ambedkar University, Agra- 282001 Mobile: 9412588675 psingh0562@gmail.com</p>	<p>To Study and Characterize the Thermoelectric Properties of In/Se and Al/Sb Thin Films Prepared by Ion Beam Mixing.</p>
14	<p>Dr. Santanu Ghosh Associate Professor Department of Physics, IIT Delhi, Hauz Khas, New Delhi-110016 Phone: 011-26591348 santanu1@physics.iitd.ernet.in</p>	<p>Study of Radiation Stability of Oxides for Energy Related Applications.</p>

15	<p>Dr. Shashank N. Kane Professor School of Physics, D. A. University , Khandwa Road, Indore (M. P.) , Pin Code: 452001 Phone: 0731 – 2467028 (Off.) 0731 – 2421437 (Resi) Mobile: + 91 9893377409 kane_sn@yahoo.com</p>	<p>Effect of Low Energy Ion Implantation on Thermal Hysteresis of Room Temperature Magnetocaloric Effect.</p>
16	<p>Mr. Vishnu Kumar C/o. Prof. S. Annapoorni Department Of Physics And Astrophysics , University Of Delhi, Delhi Mobile: 9871521718 annapoornis.phys@gmail.com</p>	<p>Synthesis, Characterization and Physical Properties of Some Functional Perovskite Oxynitrides.</p>
17	<p>Ms. Mini Agarwal C/o. Dr. Pratik Kumar, Associate Professor (Chief Supervisor) Medical Physics Unit, AIIMS, New Delhi, Phone: 09810197511 drpratikkumar@gmail.com</p>	<p>Synthesis and Characterization of Luminescent Materials for Their Medical Dosimetry Applications.</p>
18	<p>Dr. Parmod Kumar Research Associate C/o Dr. K. Asokan Materials Science Division , Inter University Accelerator Centre, New Delhi -110067 Mobile: 9971035119 parmodiitd@gmail.com</p>	<p>Investigations on Magnetic Properties of Low Energy Ions Beam Implanted MgO Systems For Spintronic Applications.</p>
19	<p>Mr. Gaurav sharma Ph.D Student Department of Applied Physics, Delhi Technological University (DTU), formerly Delhi College of Engineering (DCE), Bawana Road, Delhi-110042 Phone: 9015108720 (Off.)</p>	<p>In Search of Circular Rydberg States In Low Energy Lighter Ions.</p>

20	<p>Dr. K. Baskar Professor & Director Crystal Growth Centre, Anna University Chennai, Pin Code-600 025 Phone: + 91-44-22358322 (Off.) Mobile: + 91-9444125126 baskar@annauniv.edu, drbaskar2009@gmail.com</p>	<p>Heavy-Ion-Irradiation-Induced Disorder in III-Nitride Materials Grown by Metal Organic Chemical Vapour Deposition (MOCVD).</p>
21	<p>Dr. Debnarayan Jana Professor Department of Physics, University of Calcutta, 92, A. P. C. Road, Kolkata Pin Code: 700009 Phone: +91-33-2350 8386 extn ,413 (Off.) Mobile: 09830549937 (Res.) Fax: +91-33-2351-9755 djphy@caluniv.ac.in</p>	<p>Study of Optical, Electrical and Magnetic Properties of Argon and Nitrogen Irradiated/Implanted Polycrystalline ZnO.</p>
22	<p>Mr. Prashant Sharma SRF JNU/IUAC, Delhi Mailing Address: Boys Hostel Room No. 9, IUAC, Delhi-110067 Mobile: 8860601505 phyprashant@gmail.com, prashant@iuac.res.in</p>	<p>Study of Charge State Distribution Using X-ray Spectroscopy Technique.</p>
23	<p>Dr. Tapan Nandi Scientist IUAC, Delhi-110067 Mobile: 9868623816 nanditapan@gmail.com</p>	<p>Ion Energy Loss at the Surface as A Function Of Metal Layer Thickness of the Bi-Layer Target.</p>
24	<p>Mr. T. Sai Ram Research Scholar Inter -University Accelerator Centre Aruna Asaf Ali Marg New Delhi -110067 phone: +91-9971335078 (Extn. 8106) sairamtv@gmail.com</p>	<p>Differetiate Intact and Fragment Ion Energy Distributions of Nitrogen and Oxygen Species Formed Inside the Plasma and Identify Varying the Plasma Parameters.</p>

25	<p>Mr. T. Sai Ram Research Scholar Inter -University Accelerator Centre Aruna Asaf Ali Marg New Delhi -110067 phone: +91-9971335078 (Extn. 8106) sairamtv@gmail.com</p>	<p>Measuring the Plasma Potential of the ECR source.</p>
26	<p>Dr. K. Rawat DST-INSPIRE Faculty IUAC & SCNS, JNU, New Delhi Mailing Address: Inter-University accelerator centre, Aruna Asaf Ali Marg, New Delhi-110067 Phone: 27604699 (Off) Mobile: 9013461490 kamla.jnu@gmail.com; krawat.iuac@gmail.com</p>	<p>Impact of Irradiation on the Efficacy of Enzyme-Free Nanocomposite Biosensors.</p>
27	<p>Mr. Ravi Pathak C/o. Dr. Rajendra Singh (Associate Professor) IIT Delhi-110016 Phone: 011-2659-6495 rsingh@physics.iitd.ac.in</p>	<p>Investigation of Hydrogen Implantation-Induced Layer Splitting of Ge and GaSb.</p>
28	<p>Prof. Shikha Varma Institute of Physics , Bhubaneswar-751005 Phone: 0674-230-6410 (Off.) Mobile: 9337103334 shikha@iopb.res.in</p>	<p>Radiation Induced Damage in Single Layer Graphene on SiO₂ by 2MeV Au Ion.</p>
29	<p>Dr. Sunil Kumar Assistant Professor in Physics Chitkara University, HIMUDA Education hub, Atal Nagar, Kalujhanda, Barotiwala, Solan, (HP) Pin Code-174103 Phone: +91.1795.661033 Mobile: 09805742025, +91.1795.661013 sudridhsunil@gmail.com</p>	<p>Study the Effects of Multiple Ionization and Nuclear Spin In X-Ray Production Cross-Sections Of High-Z Elements By Heavy Ions.</p>