

**SUMMARY OF BEAM TIME/PROJECTS SANCTIONED DURING
ACCELERATOR USERS COMMITTEE (AUC-61) MEETING**

S.No	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
1	<p>Dr. Soumendu Sekhar Bhattacharjee Research Associate, Inter University Accelerator, Centre, Aruna Asaf Ali Marg, Near Vasant Kunj, New Delhi-110067 Phone: 011-26893955, 26899232, 26899233 (O) Mobile: 09804022694 Fax: 011-26893666, 26121960 souphy85@gmail.com</p>	<p>Nuclear structure study at A~60.</p>
2	<p>Prof. S. I. Patil Department of Physics, Savitribai Phule Pune University, Ganeshkhind Road, Pune- 411007 Phone : +91-2025692678 Ext. 325 Mobile : +91-9762179148 Fax: +91-2025695201 patil@physics.unipune.ac.in</p>	<p>Effect of silver and oxygen ion irradiation on supercapacitor performance of Mn₃O₄ and MnFe₂O₄ electodes deposited on stainless steel substrates.</p>
3	<p>Dr. Md. Moin Shaikh Research Associate, Inter University Accelerator Centre(IUAC), Post Box No. 10502, Aruna Asaf Ali Marg, New Delhi - 110067 Phone: +91 11 26893955 Ext. 8145 Mobile: +91 9775163037 md.moinshaikh1987@gmail.com</p>	<p>Measurement of fusion excitation function for the systems 16O +159Tb from barrier to deep sub-barrier energy region.</p>
4	<p>Dr. Vibha Chopra Assitant Professor, Department of Physics, DAV College, Amritsar-143001 Phone: 0183-2534971 Mobile: 08727843444 vibhachopra04@gmail.com</p>	<p>Ion beam dosimetry of thermoluminescent phosphors.</p>
5	<p>Prof. N. C. Pant Department of Geology, Centre of Advanced Study, University of Delhi, Delhi-110007 Mobile: +91-9953781350 pantnc@gmail.com</p>	<p>A Geo-archaeological investigation of the Harappan settlements.</p>

6	<p>Dr. Debasish Datta Assistant Professor, Department of Physics, Presidency University, 86/1, College Street, Kolkata - 700 073 Phone: (033) 2257 3770 (Office) Mobile: 94 33 46 27 45 debasish.physics@presiuniv.ac.in</p>	<p>Study of the effect of swift heavy ion irradiation on size-selected metal nanocluster thin films.</p>
7	<p>Dr. Anukul Dhal Postdoctoral Fellow Experimental Nuclear Physics Division (ENPD), Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Kolkata, Pin Code: 700 064 Phone: +91-33-2318 4163 Fax: +91-33-2334 6871 anukuldhal@gmail.com, a.dhal@vecc.gov.in</p>	<p>Nuclear structure study around $Z \sim 90$ and $N \sim 126$.</p>
8	<p>Dr. Tilak Kumar Ghosh Scientific Officer (F), Variable Energy Cyclotron Centre, 1/AF, Bidhan nagar, Kolkata- 700064 Phone: 03323182309 (O) Mobile: 9163183818 tilak@vecc.gov.in</p>	<p>Study of the fission valley of mercury isotopes.</p>
9	<p>Dr. Haridas Pai Ramanujan Fellow Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata- 700 064. Mobile: 9432169694 h.pai@saha.ac.in, hari.vecc@gmail.com</p>	<p>Study of structural phenomena with increasing angular momentum in ^{202}Bi.</p>
10	<p>Dr. Sunil Jai Kumar Hear, E.C.I.L. (Post), NCCCM/BARC, Hyderabad, Pin Code: 500062 Phone: 27121365/27125462 (O) Mobile: 9951911772 Fax: 27125463 suniljaikumar@rediffmail.com</p>	<p>Isotopic ratio measurement of the $^{10}\text{Be}/^9\text{Be}$ in seawater matrices.</p>

11	<p>Prof. Hema Achyuthan Department of Geology, Anna University, Chennai- 600025 Phone: 044-22358453 (O) 044-24463136 (R) Mobile: 09382849662 Fax: 044-22356061 hachyuthan@yahoo.com</p>	<p>a) AMS Dating of lake sediments and reconstruction of paleo southwest monsoon and the westerlies. b) Be concentration and ^{14}C AMS dating of loess paleosols of Ladakh.</p>
12	<p>Prof. R. Padma Suvarna Department of Physics, Jawaharlal Nehru Technological University (College of Engineering) Anantapur (JNTUA), Anantapuramu, Andhra Pradesh, Pin Code: 515001 Mobile: +91 9441079332 padmajntu@gmail.com</p>	<p>Effect of irradiation on polymer gels for dyesensitised solar cells.</p>
13	<p>Dr. Vishal Srivastava Research Associate Nuclear Physics Group, IUAC, Aruna Asaf Ali Marg, New Delhi -110067 Phone: 26893955 Ext. No. 343 Mobile: 8800987136 vis.vip22@gmail.com</p>	<p>Study of ^{26}Al through ^6Li induced reaction around and above barrier energies.</p>
14	<p>Dr. Vijay Raj Sharma Research Associate Nuclear Physics Group, IUAC, Aruna Asaf Ali Marg, New Delhi -110067 Mobile : +91-9910207152 phy.vijayraj@gmail.com</p>	<p>Role of positive or negative Q-values in transfer/pickup reactions and its effect on sub barrier fusion cross-sections.</p>
15	<p>Prof. Paul Tapponnier Tectonics Group Leader, N2-01a-09b, 50, Nanyang Avenue, Earth Observatory of Singapore, Nanyang Technological University, Singapore- 639798 Phone: (+65) 6592 1715 tappon@ntu.edu.sg</p>	<p>Paleoseismology of Himalayan Frontal Thrust.</p>
16	<p>Dr. V. N. Prabhakar Visiting Assistant Professor IIT Gandhinagar, Palaj , Simkheda, Gandhinagar , Pin Code: 382355 Phone: 9586199835 (R) Mobile: 9586199837 vnprabhu@iitgn.ac.in</p>	<p>Further understanding the Protohistoric chronology of lower Drisadvati valley (northern Rajasthan).</p>

17	<p>Prof. Dr. Udayan De Calcutta Institute of Engineering and Management / WBUT, 24/1A Chandi Ghosh Road, Tollygunge, Kolkata- 700040 Phone : 033-24816767 (O) 033-25250531 (R) Mobile : 7044066722 Fax : 033-2421 9951/8998 ude2006@gmail.com</p>	<p>50 MeV Li-ion damage in Fe-Superconductors with probing by positron annihilation and measurement of bulk properties & structure.</p>
18	<p>Dr. M. Matejska-Minda HIL, University of Warsaw, Poland, Mailing Address: 5A Pastura, Pin Code: 02093 mmatejska@slcj.uw.edu.pl</p>	<p>Coulomb excitation of ^{45}Sc.</p>
19	<p>Dr. Compesh Pannu C/o. Dr. Santanu Ghosh, Associate Professor, Department of Physics, Indian Institute of technology, Delhi, Hauz Khas, New Delhi - 110016 Phone: +91-11-26591348 Mobile: 8860995372 Compesh@gmail.com, ird11546@physics.iitd. ac.in</p>	<p>Field emission studies on Au decorated graphene sheets using ion beam irradiation.</p>
20	<p>Dr. Udai Bhan Singh National Postdoctoral Fellow, C/o. Dr. Santanu Ghosh (Associate Professor) Department of Physics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi- 110016 Phone: +91-11-26591348 (O) Mobile: +91-8586867589 udaibhansingh123@gmail.com</p>	<p>Development of coupled plasmonics systems for giant enhancement in surface enhanced raman scattering.</p>
21	<p>Dr. V. N. Prabhakar Visiting Assistant Professor IIT Gandhinagar, Palaj, Simkheda, Gandhinagar, Pin Code: 382355 Phone: 9586199835 (R) Mobile: 9586199837 vnprabhu@iitgn.ac.in</p>	<p>Investigations into the chronology of the Harappan site of Dholavira, district Kachchh, Gujarat.</p>

22	<p>Dr. Sandhya Misra DST-Young Scientist, Birbal Sahni Institute of Palaeosciences, 53-University Road, Lucknow-226007 Phone: 0522-2742996 (O) Mobile: +91-7376982622 sandhyabsip@gmail.com</p>	<p>Analysis of plants and human relationship since late pleistocene from Dzukou Valley, Nagaland, Northeast India funded by DST-SERB, New Delhi, India.</p>
23	<p>Mr. Mudit Trivedi Ph.D Student University of Chicago Mailing Address: D-203, Vidisha Apartments, 79 I.P. Extension, Patparganj, Delhi-110092 Mobile: +91-9910022426 mudit@uchicago.edu, mudit.trivedi@gmail.com</p>	<p>Archaeometric investigations towards establishing absolute chronometric constraints via AMS techniques on charcoal samples selected from the archaeological assemblages excavated at the site of Indor (District Alwar, Rajasthan).</p>
24	<p>Dr. K. Asokan Scientist F Inter University Accelerator Centre, Aruna Asaf Ali Marg, JNU Campus, New Delhi- 110067 Mobile: 9968290508 asokaniuac@gmail.com</p>	<p>Thermoelectric properties of nanostructured n-type and p-type Skutterudites (CoSb_3) thin films and their electronic structure.</p>
25	<p>Ms. Rajashri Ramchandra Urkude Women Scientist- A Fellow Department of Physics, Rashtrasant Tukadoji Maharaj Nagpur University, Amravat Road, Nagpur, Maharashtra, Pin Code: 440033 Mobile: +91-9921491567 rajashriurkude@gmail.com</p>	<p>Ion beam irradiation effects on the surface properties of the 3d transition metal doped Topological Insulators.</p>
26	<p>Dr. Deepak Verma Assistant Professor, School of Engineering & Applied Science, Ahmedabad University. Mailing Address: Opp. M. G. Science College, AES, FP. 4, Near Commerce Six Roads, Navrangpura, Ahmedabad, Pin Code: 380009 Phone: 079-61911168 (O) Mobile: 7043134161 deepak.verma@ahduni.edu.in</p>	<p>Role of swift heavy ion on the performance of perovskite solar cell.</p>

27	<p>Dr. V. Raghavendra Reddy Scientist - F UGC-DAE Consortium for Scientific Research , Khandwa Road, Indore - 452 001 Phone: 0731-2463913 (ext:122/226) Mobile: 9425410641 vrreddy@csr.res.in</p>	<p>Study of swift heavy ion induced modifications of $RFeO_3$ ($R=Gd$ and Sm) and $BaTiO_3$ thin films using in-situ Raman and XRD measurements.</p>
28	<p>Dr. S. B. Ota Joint Director General (Archaeology) Archaeological Survey of India, Janpath, New Delhi- 110011 Mobile: 08447605003 simadriota@gmail.com</p>	<p>C14 dating of charcoal samples from camping site on Sasoma-Saserla Road, Nubra Valley, J&K.</p>
29	<p>Dr. Praveen D Assistant Professor, Dept. of Physics, Amrita Vishwa Vidyapeetham, Kasavanahalli, Carmelram Post, Bangalore, Pin Code: 560 035 Phone: 080 2518 3700 (O) Mobile; +91 99028 26208 d_praveen@blr.amrita.edu</p>	<p>Radiation damage studies on multi-junction solar cells.</p>
30	<p>Dr. Pradip Datta Associate Professor, Ananda Mohan College, Calcutta, 102/1, Raja Rammohan Sarani, Kolkata, Pin Code: 700 009 Mobile : 09433847851 pdatta.ehp@gmail.com</p>	<p>Study of ^{111}Cd: search for magnetic and anti-magnetic rotation.</p>
31	<p>Ms. Hajara K C/o. Dr. M. M. Musthafa Department of Physics, University of Calicut, Calicut University PO, Kerala- 673635 Mobile: 09745509190, 04942407456 mm_musthafa@rediffmail.com Mobile: 9745298837 (Ms. Hajara K) Phone: 04832726642 khajara3@gmail.com</p>	<p>Systematic study of heavy ion induced reactions near and above coulomb barrier in the mass region $A>200$.</p>

32	<p>Ms. Bhagyalakhi Baruah C/o. Prof. Ashok Kumar Department of Physics, Tezpur University, Napaam- 784028, Assam Phone: (03712)267008 (Extn. 5523), 267169 (R) ask@tezu.ernet.in Mobile: 9706249567 (Ms. Bhagyalakhi) bhagya9@tezu.ernet.in</p>	<p>Synthesis, characterization and application of graphene based PEDOT: PSS nanocomposites and swift heavy ion irradiation effects.</p>
33	<p>Mr. Sajad Ali C/o. Prof. Asimananda Goswami, Nuclear Physics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata-700064 Mobile: +91-9433051664 asimananda.goswami@saha.ac.in, asimananda.goswami@gmail.com Mobile: +919647256723 (Mr. Sajad) sajad.ali@saha.ac.in</p>	<p>Structural evolution of weakly deformed nuclei in mass~140 region with increasing angular momentum.</p>
34	<p>Mr. Om Prakash C/o. Prof. Pralay Maiti School of Materials Science & Technology, IIT (BHU), Varanasi, U.P. Pin Code: 221005 Mobile: 9935141321 pmaiti.mst@itbhu.ac.in Mobile: 8081536095 (Mr. Om Prakash) opbhu123@gmail.com</p>	<p>Porous polymeric materials for fuel cell membrane.</p>
35	<p>Mr. Mohd Idrees Magrey C/o. Dr. P. A. Ganai, Assistant Professor Department of Physics, National Institute Of Technology, NIT Entrance Rd, Hazaratbal, Srinagar, Jammu and Kashmir-190006 Mobile: +91-9796754188 (Dr. Ganai) prince.ganai@gmail.com Mobile: +91-9596029509 (Mr. Magrey) magreysameer@gmail.com</p>	<p>Study of dynamic properties of nuclei in different mass regions at high angular momentum.</p>

36	<p>Mr. S. Satyanarayana Reddy C/o. Dr. K. R. Nagabhushana, Dept. of S & H and R & D Center Physics, P.E.S. Institute of Technology (An autonomous institute under VTU, Belgaum and UGC, New Delhi),100 feet Ring Road, B.S.K. III stage, Bangalore-560 085, India. Mobile: +91 9481037231 bhushankr@gmail.com Mobile: +917795544880 (S. S. Mr. Reddy) satyanr.phy@gmail.com</p>	<p>Synthesis and Characterization of Al₂O₃ for Ion Beam Dosimetry.</p>
37	<p>Mr. Jaimin R. Acharya C/o. Prof. S. Mukherjee, Department of Physics, The Maharaja Sayajirao University of Baroda, Vadodara - 390002 Mobile: +919426386904 sk.mukherjee-phy@msubaroda.ac.in Mobile: +917405523620 (Mr. J. R. Acharya) jaiming89@gmail.com</p>	<p>Study of neutron and charged particle emission mechanism in heavy ion reactions.</p>
38	<p>Mr. Uday Shankar Ghosh C/o. Dr. Buddhadev Mukherjee Department of Physics, Visva- Bharti, Santiniketan- 731235 (West-Bengal) Mobile: +91-9735893022/ 9476408604 buddhadev.mukherjee@visva-bharati.ac.in Mobile: +91-8145539809/8159931671 (Mr. Ghosh) usghosh88@gmail.com</p>	<p>Spectroscopy of ^{199,201,203} At nuclei.</p>
39	<p>Mr. Krunalsinh N. Rathod C/o. Prof. Nikesh A. Shah Department of Physics, Saurashtra Univeristy, Rajkot, Gujrat, Pin- 360005 Telephone: +91-281-2588428 (O) +91-281-2562377 (R) Mobile: +91-9099939450 Fax: +91-281-2586983 snikesh@yahoo.com Mobile: 09033351264 (Mr. Rathod) rkunalsinh@gmail.com</p>	<p>Fabrication and investigations on functional oxide based thin film devices.</p>

40	<p>Mr. Rahul Kumar C/o. Dr. Mahesh Kumar Department of Electrical Engineering, Indian Institute of Technology Jodhpur, Old Residency Road, Ratanada, Jodhpur-342011 Mobile: 09460153010 mkumar@iitj.ac.in Mobile: 07065146205 (Mr. Rahul) kumar.34@iitj.ac.in</p>	<p>Swift heavy ion for tailoring the sensing behavior of MoS₂.</p>
41	<p>Mr. Keval Gadani C/o. Prof. Nikesh A. Shah Department of Physics, Saurashtra Univeristy, Rajkot, Gujrat Pin- 360005 Telephone: +91-281-2588428 (O) +91-281-2562377 (R) Mobile: +91-9099939450 Fax: +91-281-2586983 snikesh@yahoo.com Mobile: 07433803234 (Mr. Gadani) kjgadani@gmail.com</p>	<p>Transport properties of functional oxide based thin film devices.</p>
42	<p>Ms. Honey Arora C/o. Prof. Gulzar Singh Department of Physics, Panjab University, Chandigarh -160014 Mobile: 8427974397 gulzar@pu.ac.in Mobile: 08427396023 (Ms. Arora) honeyarora3191@gmail.com</p>	<p>Anomalous light particle spectra in heavy ion induced fusion reactions.</p>
43	<p>Ms. Devinder Pal Kaur C/o. Dr. B. R. Behera, Department of Physics, Panjab University Chandigarh, Chandigarh(UT)- 160014 Mobile : 098153-24956 bivash@pu.ac.in, bivash.pu@gmail.com Mobile: 070871-99077,094177-77022 (Ms. Kaur) devinderkaur.dk@gmail.com</p>	<p>Mapping the evaporation residue cross sections for the closed-shell nuclei (extra push versus shell closure).</p>

44	<p>Ms. Anupriya Sharma C/o. Prof. Shashi K. Dhiman, Department of Physics, Himanchal Pradesh University Shimla, Shimla - 171005 Phone: 09459490400 0177-2833739,2830950 shashi.dhiman@gmail.com Mobile: 09805123360 (Ms. Sharma) anupriya.jotu@gmail.com</p>	<p>Study of K-Isomers and high-spin states in A=180 mass region.</p>
45	<p>Mr. Jitendra Singh C/o. Dr. Fouran Singh Materials Science Group, Inter-University Accelerator Centre (IUAC), New Delhi-110067 Phone: 011-26892601 (ext-8202); Mob- 09868204083 fouran@gmail.com Mobile: 08006478312 jitendras.physics@gmail.com</p>	<p>Influence of ion beams on organic thin films and their hybrid nanocomposites for switching applications.</p>
46	<p>Mr. Umakant Lamani C/o. Prof. (Mrs.) Pragya Das, Associate Professor, Department of Physics, Indian Institute of Technology Bombay, Pin Code: 400076 Phone: 25767566 (Off.), 22804574 (Res.) pragya@phy.iitb.ac.in Mobile: 8722595620 (Mr. Lamani) umakant.lamani91@gmail.com, umakant@phy.iitb.ac.in</p>	<p>Measurement of transition probabilities of nuclei excited at intermediate energies.</p>
47	<p>Mr. Ratankumar Keshavsingh C/o. Prof. N. L. Singh Department of Physics, The M. S. University of Baroda, Vadodara, Gujarat, Pin Code: 390002 Mobile: 9426409840 singhnl_msu@yahoo.com, nl.singh-phy@msubaroda.ac.in Mobile: 8460602735 (Mr. Keshavsingh) ratankumar339@gmail.com</p>	<p>Study of heavy ion induced fusion/fission reactions around coulomb barrier.</p>

48	<p>Ms. Ksh. Devarani Devi C/o. Dr. Fouran Singh, Scientist - F, Materials Science Group, Inter-University Accelerator Centre (IUAC), New Delhi-110067 Phone: 011-26892601 (ext-8202) Mobile:09868204083 fouran@gmail.com Mobile: 09810741666 (Ms. Devi) kdevarani@gmail.com</p>	<p>Study of bimetallic nanoparticles in dielectric matrices and their modifications by swift heavy ions.</p>
49	<p>Mr. K. Neelavannan C/o. Dr. Shaik Mohammad Hussain, Department of Geology, Guindy Campus, University of Madras, Chennai-600025 Mobile: 09444415027 smhussain7@hotmail.com Mobile: 9789824800 (Mr. Neelavannan) k.neelavannan@gmail.com</p>	<p>Geochemical and magnetic studies on late quaternary sediments from eastern Arabian Sea and its paleoenvironmental implications.</p>
50	<p>Mr. Mohd Nasir C/o. Dr. Somaditya Sen, Associate Professor, Department of Physics, Indian Institute of Technology Indore, Khandwa Road, Simrol, Indore, Madhya Pradesh-453552 Mobile: 08878036359, +91-7312438970 sens@iiti.ac.in Mobile: +919584416376 (Mr. Nasir) phd1401151010@iiti.ac.in</p>	<p>Ion beam induced structural, electrical, dielectric and magnetic properties of modified La₂NiMnO₆ double perovskite.</p>
51	<p>Ms. Shilpa Bhavsar C/o. Prof. N. L. Singh Department of Physics, The M. S. University of Baroda, Vadodara, Gujarat Pin Code: 390002 Mobile: 9426409840 singhnandlal@gmail.com nl.singh-phy@msubaroda.ac.in Mobile: 09714945015 bhavsar.shilpa212@gmail.com</p>	<p>Modification of metal oxide doped polymer nanocomposites using ion beam irradiation.</p>

52	<p>Ms. Anuradha C/o. Dr. K. Asokan, Scientist F, Inter-University Accelerator Centre, Aruna Asaf Ali Marg, Near Vasant Kunj, New Delhi- 110067 Mobile: 09968290508 asokaniuac@gmail.com Mobile: 9582224591 anu.bhogra@gmail.com</p>	<p>Synthesis of nanostructured oxides using ion beam and their Thermoelectric properties.</p>
53	<p>Ms. Anha Masarrat C/o. Dr. K. Asokan, Scientist F, Inter-University Accelerator Centre, Aruna Asaf Ali Marg, Vasant Kunj, New Delhi-110067 Mobile: 09968290508 asokaniuac@gmail.com Mobile: 7838392533 (Ms. Masarrat) anhamasarrat1991@gmail.com</p>	<p>Fabrication of nanostructured skutterudite using ion beams and their thermoelectric properties.</p>
54	<p>Ms. Richa C/o. Prof. Navdeep Goyal Department of Physics , Panjab University , Chandigarh 160014 , Mobile: +91-9216577500 ngoyal@pu.ac.in Mobile:+91-7589297611 (Ms. Richa) rbhardwaj@pu.ac.in</p>	<p>Electronic and magnetic structural study of pure and doped ZnO nanostructures.</p>
55	<p>Dr. Pratima Solanki Assistant Professor, Special Centre for Nanoscience, Jawaharlal Nehru University, New Delhi - 110067 Phone: 011-26704740 (O) 011- 267 42809 (104) (R) Mobile: 09871584410 pratimarsolanki@gmail.com</p>	<p>Effect of ion irradiation on Biopolymer-metal oxide based nanocomposites for removal of Water Pollutants.</p>
56	<p>Dr. D. D. Pandya Associate Professor, Human Resource Development Centre (HRDC), Saurashtra University, Rajkot, Gujarat-360005 Phone: +91-281-2577679 Mobile: +91-9428003110 Fax: +91-281-2576347 dhiren_pandya@yahoo.com</p>	<p>Electro and magnetotransport studies on manganite based thin films and devices: Role of swift heavy ion irradiation</p>

57	<p>Dr. Faiyazur Rahman Associate Professor, Department of Physics, Aligarh Muslim University, Aligarh-202002 Phone: 0571-2701001 (O) 0571-2720283 (R) Mobile: 09897269108 faiziphys@gmail.com</p>	<p>Swift heavy ion irradiation induced modifications of doped indium oxide films for optoelectronic applications.</p>
58	<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 to create N-V Center.</p>
59	<p>Dr. Achchhe Lal Sharma Assistant Professor, Centre for Physical Sciences, Central University of Punjab, Bathinda-151001 Phone: 0164-2864220 (O) Mobile: +91-9023697742 Fax: +91-164-2864106 alsharmaiitkgp@gmail.com</p>	<p>Improvement in electrochemical properties of divalent lithium orthosilicate materials through high/ low energy ion beam.</p>
60	<p>Prof. R. G. Sonkawade Department of Physics, Shivaji University, Kolhapur-416004 Maharashtra Phone: 0231-2609228 Mobile: 09763041193 sonkawade@gmail.com</p>	<p>Industrial applications of supercapacitive $Zn_xCo_{3-x}O_4$ thin films using swift heavy ions.</p>
61	<p>Dr. Md. Sabir Ali Assistant Professor, Maulana Azad National Urdu University, MANUU Polytechnic, Ilyas Ashraf Nagar, Chandanpatti, Laherisarai , Dist. Darbhanga, Bihar, Pin Code: 846001 Phone: 06272 210053 Mobile: 9939109685 sabirjkh@gmail.com</p>	<p>Study of fusion suppression in heavy ion induced reactions above the barrier energy.</p>

62	<p>Dr. Pragati Kumar Assistant Professor Department of Nano Sciences and Materials Central University of Jammu, Temporary Academic Block Sector-E, Extn. Sainik Colony, Jammu, Pin Code: 180011 Mobile: 9055180885 pkumar.phy@gmail.com, pkumar.phy@cuammu.ac.in</p>	<p>Ion beam induced modification of luminescence activators doped CdS thin films.</p>
63	<p>Dr. L. Kungumadevi Assistant Professor, Department of Physics, Mother Teresa Women's University, Attuvampatty, Kodaikanal- 624101, Tamilnadu Phone: 04542 241685 Mobile: 094866 56076 sivarivudevi@gmail.com</p>	<p>Effect of SHI irradiation on nanostructured metal sulfides for thermoelectric applications.</p>
64	<p>Dr. Dharmendra Singh Assistant Professor, Centre for Applied Physics, Central University of Jharkhand, Brambe, Ranchi-835 205, Jharkhand Mobile: 08809323825 dsinghiuac@gmail.com</p>	<p>Study of incomplete fusion dynamics and its dependency on target deformation above the coulomb barrier.</p>
65	<p>Prof. J. K. Quamara Department of Physics, National Institute of Technology, Kurukshetra- 136119 Mobile: +91-9416381783 jkquamara@yahoo.com</p>	<p>Dielectric relaxation investigations in swift heavy ion irradiated ferroelectric ceramic/ ploymer nano- composites.</p>
66	<p>Dr. Anup Thakur Assistant Professor in Physics, Department of Basic & Applied Sciences, Punjabi University, Patiala, Punjab, Pin Code: 147002 Phone: 0175-3046336 (O) 0175-2970729 (R) Mobile: 9417110095 dranupthakur@gmail.com</p>	<p>Influence of swift heavy ion irradiation and implantation on the structural, electrical and optical properties of Ge-Sb-Te thin films.</p>
67	<p>Dr. Sunil Devi Assistant Professor School of Physics and Materials Science, Thapar University, Patiala, Punjab, Pin Code: 147004 Mobile: 7087937045 sunil.devi@thapar.edu</p>	<p>Fusion and multi-nucleon transfer reactions for $^{28}\text{Si} + ^{76}\text{Ge}$ and $^{30}\text{Si} + ^{74}\text{Ge}$ around the coulomb barrier.</p>

68	<p>Prof. Shakeel Khan Department of Applied Physics, Faculty of Engineering & Technology, AMU, Aligarh, Pin Code: 202002 Phone: 0571-2700920 Ext. 3040 (O) Mobile: +919358210751 skhanapd@gmail.com</p>	<p>Effect of SHI irradiation induced modifications on structural, electrical, and magnetic properties of Ni doped BiFeO₃ nanostructures.</p>
69	<p>Dr. Ratan Das Assistant Professor, Department of Physics, Tripura University, Suryamaninagar, Agartala, Tripura (West), Pin Code: 799022 Phone: 0381-237-9303(R) Mobile: +91-8974445986 dasratanphy@gmail.com, dasratantuphy@tripurauniv.in</p>	<p>Effect of ion irradiation on the elastic and optical properties of chemically synthesized, a few Group II- VI semiconductor nanocrystals.</p>
70	<p>Prof. Shruti Aggarwal BFR-302, B Block, Guru Gobind Singh Indraprastha University, New Delhi - 110078 Phone: 01125302412 (O) Mobile: +919873162317 shruti.al@gmail.com</p>	<p>Investigation of the thermoluminescence properties of the doped perovskite materials with ion beam irradiation.</p>
71	<p>Prof. Atul Khanna Department of Physics, Guru Nanak Dev University, Amritsar-143005, Punjab Phone: 0183-225-8802 Extension: 3168 (O) 0183-222-1091 (R) Mobile: 9876797402 Fax: 0183-225-8820 atul.phy@gndu.ac.in</p>	<p>Tailoring of photoluminescence properties of rare earth doped tellurite glasses by swift heavy ion irradiation.</p>
72	<p>Dr. Rajneesh Kumar Verma, Assistant Professor, Department of Physics, University of Lucknow, Lucknow, Uttar Pradesh, Pin Code: 226007 Mobile: 09950186810 iitdrajneesh@gmail.com</p>	<p>Effect of swift-heavy ions on the sensitivity of surface plasmon resonance based fiber optic sensors for biomedical applications.</p>

73	Dr. Pooja U. Sharma Assistant Professor M. N. College, Visnagar, Dist: Mehsana, Gujarat, Pin Code: 384315 Mobile: 09427082579 poojausharma@gmail.com	Tailoring FMR linewidth of YIG thinfilms using swift heavy ion irradiation.
74	Dr. Sanjeev Gautam Assistant Professor in Physics, Panjab University Chandigarh, Dr. S.S. Bhatnagar University Institute of Chemical Engineering & Technology, Pin Code: 160014 Phone: 0172-2541241 (O) 0172-2537901 (R) Mobile: 09779713212 Fax: 0172-2725920 0172-2783336 sgautam71@gmail.com, sgautam@pu.ac.in	Irradiation induced interface and magnetic study of Zinc ferrite/insulator/cobalt ferrite multilayers.
75	Dr. Vikas Sharma Head I/C and Assistant Professor, Department of Physics, SoPS, Doon University, Kedarpur, Dehradun, Pin Code: 248001 Phone: +91-135-2533136 (O) Mobile: +91-9557153030 Fax: +91-135-2533115 vsharma.ph@doonuniversity.ac.in	Effect of ion-irradiation on different components of hybrid solar cells.

BTR-5: LOW ENERGY ION BEAM FACILITY

S.No	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
1	Dr. Dilip Kumar Singh DST-Inspire Faculty, Room No.02, Physics and Engineering of Carbon, Division of Material Physics and Engineering, National Physical Laboratory, New Delhi- 110012 Mobile No.: 8130610762 dilipsinghnano1@gmail.com	Defect Engineering of Nano-diamonds for Nano-photonics applications.
2	Prof. Ashok Kumar Department of Physics, Tezpur University, Napaam- 784028, Assam Phone: (03712)267008 (Extn. 5523), 267169 (R) ask@tezu.ernet.in	Low Energy ion irradiation effects on Graphene based PEDOT: PSS nanocomposites.

3	<p>Dr. Jyoti Ranjan Mohanty Assistant Professor, Department of Physics, Room No. E505 , Indian Institute of Technology Hyderabad, Kandi, Sangareddy, Telangana. Pin Code: 502285 Phone: 0091-40-23017073 Mobile: 8985297072 Fax: +91-40-2301-6003 jmohanty@iith.ac.in</p>	<p>Tuning perpendicular magnetic anisotropy in magnetic thin films by ion beam irradiation.</p>
4	<p>Dr. Pratap Kumar Sahoo Reader-F, SPS, NISER, Jatni, Khordha, Bhubaneswar, Odisha - 752050 Phone: 0674-2494258 (O) Mobile: +91-9937615317 pratap.sahoo@niser.ac.in</p>	<p>Fabrication of p-n junctions in ZnO nanowires influenced by O ion Implantations.</p>
5	<p>Dr. Pratap Kumar Sahoo Reader-F, School of Physical Sciences, NISER, Jatni, Khurda, Odisha - 752050 Phone: 0674-2494258 (O) Mobile: +91-9937615317 Pratap.sahoo@niser.ac.in</p>	<p>Synthesis of metal-semiconductor core-shell nanostructure on SiO₂ by ion irradiation on metal-semiconductor-metal thin films.</p>
6	<p>Dr. S. K. Dubey Associate Professor, Department of Physics, University of Mumbai, Vidyanageri Campus, Santacruz (East), Mumbai - 400 098 Phone: 022-26543598, 022-26526250 (O) 022-26532044 (R) Mobile: 09969141768 Fax: 022-26549837 skdubey@physics.mu.ac.in</p>	<p>Study the effects of silicon negative ion implantation in GaAs.</p>
7	<p>Prof. Sahab Dass Dept. of Chemistry, Faculty of Science, Dayalbagh Educational Institute, Dayalbagh, Agra (U.P), Pin Code: 282005 Mobile: 9219695960 Fax: 0562-2801226 drsahabdas@gmail.com</p>	<p>Studies to understand the influence of morphology on semiconductor/ electrolyte interface in photoelectrochemical splitting of water.</p>

8	<p>Dr. Punita Verma Associate Professor Department of Physics, Kalindi College, East Patel Nagar, New Delhi - 110008 Phone: 011-25787604 (O) 01122591580 (R) Mobile: 9868617769, 8800650576 Fax: 011-25782505 drpunitaverma.nature@gmail.com</p>	<p>Ion atom collisions at low energies: X-ray measurements for inferences of various atomic physics phenomena.</p>
9	<p>Dr. Udai Bhan Singh National Postdoctoral Fellow, C/o. Dr. Santanu Ghosh (Associate Professor) Department of Physics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi- 110016 Phone: +91-11-26591348 (O) Mobile: +91-8586867589 udaibhansingh123@gmail.com</p>	<p>Development of coupled plasmonics systems for giant enhancement in surface enhanced Raman scattering.</p>
10	<p>Ms. Ksh. Devarani Devi C/o. Dr. Fouran Singh, Scientist - F, Materials Science Group, Inter-University Accelerator Centre (IUAC), New Delhi-110067 Phone: 011-26892601 (ext-8202) Mobile:09868204083 fouran@gmail.com Mobile: 09810741666 (Ms. Devi) kdevarani@gmail.com</p>	<p>Study of bimetallic nanoparticles in dielectric matrices and their modifications by swift heavy ions.</p>
11	<p>Dr. Sandeep Kumar Garg National Post Doc Fellow, DST, Inter-University Accelerator Center (IUAC), Aruna Asaf Ali Marg, Vasant Kunj, New Delhi-110067 Mobile : +919238987888 sgarg@iuac.res.in</p>	<p>Magnetic nano-patterning of nonmagnetic substrates at surfaces and subsurface region by introducing energetic magnetic ions.</p>
12	<p>Dr. K. Asokan Scientist F, Inter University Accelerator Centre, Aruna Asaf Ali Marg, JNU Campus, New Delhi- 110067 Mobile: 9968290508 asokaniuac@gmail.com</p>	<p>Thermoelectric properties of nanostructured n-type and p-type Skutterudites (CoSb₃) thin films and their electronic structure.</p>

13	<p>Ms. Rajashri Ramchandra Urkude Women Scientist- A Fellow, Department of Physics, Rashtrasant Tukadoji Maharaj Nagpur University, Amravat Road, Nagpur, Maharashtra, Pin Code: 440033 Mobile: +91-9921491567 rajashriurkude@gmail.com</p>	<p>Ion beam irradiation effects on the surface properties of the 3d transition metal doped Topological Insulators.</p>
14	<p>Prof. Tapobrata Som Institute of Physics, Bhubaneswar, Sachivalaya Marg, Bhubaneswar- 751005 Phone: 0674-2306483 (O) Mobile: +91-9437010830 Fax: 0674-2300142 tsom@iopb.res.in/ tsomiop@gmail.com</p>	<p>Transition metal-doping in TiO₂ thin films by ion implantation: A study on tuneable magnetic and optical properties.</p>
15	<p>Ms. Dilruba Hasina C/o. Prof. Tapobrata Som, Institute of Physics, Sachivalaya Marg, Bhubaneswar-751005 Mobile: 09437010830 tsom@iopb.res.in / tsomiop@gmail.com Phone: 06474-2306483 (Ms. Hasina) dilruba@iopb.res.in</p>	<p>Ion Induced defect-mediated tunability in optoelectronic properties of TiO₂ thin films.</p>
16	<p>Dr. Kulvinder Singh Associate Professor, Department of Physics, Deen Dayal Upadhyaya College, University of Delhi, Dwarka Sector-3, Delhi-110078 Mobile: 9811998997 kulvinder.physics@gmail.com</p>	<p>Silver and gold nano- particles implanted poly- methyl methacrylate sheets as X-ray sensors.</p>
17	<p>Dr. (Ms.) Debarati Bhattacharya Scientific Officer (F), Solid State Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai-400085 Phone: 022-25594070 (O) debarati@barc.gov.in</p>	<p>Ion beam modification of Cu/Nb interfaces.</p>
18	<p>Ms. Anuradha C/o. Dr. K. Asokan, Scientist F, Inter-university Accelerator Centre, Aruna Asaf Ali Marg, Near Vasant Kunj, New Delhi- 110067 Mobile: 09968290508 asokaniuac@gmail.com Mobile: 9582224591 anu.bhogra@gmail.com</p>	<p>Synthesis of nanostructured oxides using ion beam and their Thermoelectric properties.</p>

19	<p>Mr. Mohd Nasir C/o. Dr. Somaditya Sen, Associate Professor, Department of Physics, Indian Institute of Technology Indore, IIT Indore, Pin Code: 453552 Mobile: 08878036359, +91-7312438970 sens@iiti.ac.in Mobile: +919584416376 (Mr. Nasir) phd1401151010@iiti.ac.in</p>	<p>Ion beam induced structural, electrical, dielectric and magnetic properties of modified $\text{La}_2\text{NiMnO}_6$ double perovskite.</p>
20	<p>Ms. Apurva Gupta C/o. Prof. Lekha Nair, Department of Physics, Jamia Millia Islamia, New Delhi -110025 Mobile: 9810032194 lnair@jmi.ac.in Mobile: 8373939663 (Ms. Gupta) apurvagupta123@gmail.com</p>	<p>Solution growth of organic nonlinear optical materials and irradiation effects.</p>
21	<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 to create N-V center.</p>
22	<p>Mr. Rahul Kumar C/o. Dr. Mahesh Kumar Department of Electrical Engineering, Indian Institute of Technology Jodhpur, Old Residency Road, Ratanada, Jodhpur-342011 Mobile: 09460153010 mkumar@iitj.ac.in Mobile: 07065146205 (Mr. Rahul) kumar.34@iitj.ac.in</p>	<p>Swift heavy ion for tailoring the sensing behavior of MoS_2.</p>
23	<p>Ms. Anha Masarrat C/o. Dr. K. Asokan, Scientist F, Inter-University Accelerator Centre, Aruna Asaf Ali Marg, Vasant Kunj, New Delhi-110067 Mobile: 09968290508 asokaniuac@gmail.com Mobile: 7838392533 (Ms. Masarrat) anhamasarrat1991@gmail.com</p>	<p>Fabrication of nanostructured skutterudite using ion beams and their thermoelectric properties.</p>

24	<p>Ms. Richa C/o. Prof. Navdeep Goyal Department of Physics , Panjab University , Chandigarh 160014 , Mobile: +91-9216577500 ngoyal@pu.ac.in Mobile:+91-7589297611 (Ms. Richa) rbhardwaj@pu.ac.in</p>	<p>Electronic and magnetic structural study of pure and doped ZnO nanostructures.</p>
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