

**SUMMARY OF BEAM TIME/PROJECTS SANCTIONED DURING  
ACCELERATOR USERS COMMITTEE ( AUC-63) MEETING**

<b>S.No</b>	<b>PRINCIPAL INVESTIGATOR</b>	<b>TITLE OF THE PROJECT</b>
1	Dr. Debasis Mitra Assistant Professor , Department of Physics, University of Kalyani Kalyani, Nadia, West Bengal- 741235 Mobile: 09674335531 <a href="mailto:debasis.mitra51@gmail.com">debasis.mitra51@gmail.com</a>	Study the effect of multiple ionization on atomic parameters.
2	Dr. Anant Narayan Bhatt Scientist 'E' Institute of Nuclear Medicine and Allied Sciences (DRDO), Delhi-110054 Phone: 011-23905138 (O) 011-23830818 (R) Mobile: 09868771939 <a href="mailto:anbhatt@yahoo.com">anbhatt@yahoo.com</a> , <a href="mailto:anant@inmas.drdo.in">anant@inmas.drdo.in</a>	Evaluation of Radio-protective property of 2,4 di nitrophenol in cellular model against particle radiation.
3	Mr. Amit Alok Scientist D Division of Radiation Biodosimetry, Institute of Nuclear Medicine & Allied Sciences, Brig. S. K. Mazumdar Marg, Timarpur, Delhi, Pin Code: 110054 Phone: 011-23905372 (O) Mobile: 9899980678 <a href="mailto:aalok.drdo@gmail.com">aalok.drdo@gmail.com</a>	Chromosomal damage induced by High LET Carbon beam radiation in comparison to gamma radiation in human peripheral blood lymphocytes/ Chinese hamster fibroblast (V79) cells and the effect of Diclofenac sodium in modulating it.
4	Dr. Paban K Agrawala Scientist-E INMAS, DRDO, Brig. S. K. Mazumdar Road, Timarpur, Delhi-110054 Phone: 91-11-23905187 (O) Mobile: 9891479719 <a href="mailto:paban@inmas.drdo.in">paban@inmas.drdo.in</a>	DNA damage repair kinetics by a potential countermeasure agent using $\gamma$ -H2AX/comet assay.
5	Prof. S. D. Dhole Professor in Physics, Department of Physics, Microtron Accelerator Laboratory, Savitribai Phule Pune University, Pune- 411007 Phone: +91-20-25692678 (O) +91-20-25885362 (R) Mobile: +91-9325688837 <a href="mailto:sanjay@physics.unipune.ac.in">sanjay@physics.unipune.ac.in</a>	SHI induced effects on structural, functional, luminescence and dosimetric properties on metal oxide phosphors.

6	<p>Dr. Subhendu Rajbanshi  Assistant Professor  Dum Dum Motijheel College , 1, Motijheel Avenue , Dum Dum, Kolkata, West Bengal , Pin Code: 700074  Mobile: 9007027415  <a href="mailto:subhphy@gmail.com">subhphy@gmail.com</a></p>	<p>Search for evidence of the Attractive Shears Mechanism in <math>^{146}\text{Eu}</math>.</p>
7	<p>Dr. Ajay Y. Deo  Assistant Professor  Department of Physics ,  Indian Institute of Technology Roorkee ,  Roorkee, Uttarakhand - 247667  Phone: 01332285566 (O)  01332285568 (R), Mob. 09458178557  <a href="mailto:aydeofph@iitr.ac.in">aydeofph@iitr.ac.in</a>,  <a href="mailto:ajaydeo@gmail.com">ajaydeo@gmail.com</a></p>	<p>Alpha clustering in heavy nuclei.</p>
8	<p>Dr. Gopal Mukherjee  Scientific Officer (F)  Variable Energy Cyclotron Centre , 1/AF  Bidhan Nagar, Kolkata, Pin Code: 700064  Phone: (033)23182321 (O)  Mobile: 9231615164  Fax: 033- 2334-6871  <a href="mailto:gopal@vecc.gov.in">gopal@vecc.gov.in</a></p>	<p>High spin states in <math>^{175}\text{W}</math>: “Anomalous” behavior of Signature splitting and mixing in W isotopes.</p>
9	<p>Dr. D. Behera  Associate Professor,  Department of Physics and Astronomy,  NIT Rourkela -769008  Phone: 0661-2462724, 91-6612463724  Mobile: 09439785948  <a href="mailto:dhrubananda_behera@yahoo.co.in">dhrubananda_behera@yahoo.co.in</a></p>	<p>Enhancement of critical current density in HTSC/LSMO Heterostructure.</p>
10	<p>Mr. Rajveer Sharma  Scientist – C  AMS Group, Inter-University Accelerator Centre , Aruna Asaf Ali Marg, New Delhi  Phone: 011-26893955 (Ext.8320) (O)  Mobile: +91-9560821895  <a href="mailto:rajveersharma1988@gmail.com">rajveersharma1988@gmail.com</a></p>	<p>Estimation of the fossil fuel derived <math>\text{CO}_2</math> in atmosphere using radiocarbon measurements.</p>
11	<p>Dr. Alope Kanjilal  Associate Professor  Department of Physics, School of Natural Sciences,  Shiv Nadar University, Tehsil Dadri,  Gautam Budhha Nagar, UP - 201314  Mobile: 9958840640  <a href="mailto:aloke.kanjilal@snu.edu.in">aloke.kanjilal@snu.edu.in</a></p>	<p>Study of thermoluminescence and optically stimulated luminescence of <math>\text{Al}_2\text{O}_3</math>, <math>\text{ZrO}_2</math> and their multilayered structure for ion beam dosimetry.</p>

12	<p>Dr. Mili Das  Assistant Professor  Ananda Mohan College,  102/1 Raja Rammohan  Sarani, Kolkata-700009  Phone: 033-24848496 (R)  Mobile: 9433482895  <a href="mailto:mili.snowflakes@gmail.com">mili.snowflakes@gmail.com</a></p>	<p>Study of alpha inelastic scattering of <math>^{16}\text{O}</math> and related development of alpha gas cell target.</p>
13	<p>Dr. Pitambar Pati  Asst. Professor ,  Department of Earth Sciences , IIT  Roorkee , Roorkee , Uttarakhand , Pin  Code: 247667  Mobile: 08791533374, 07579079612  <a href="mailto:dash1des@iitr.ac.in">dash1des@iitr.ac.in</a></p>	<p>Estimation of denudation rates using <math>^{10}\text{Be}/^{9}\text{Be}</math> ratio around Chilka Lake and Anshupa Lake, Odisha coast.</p>
14	<p>Prof. Uptal Shashikant Joshi  Department of Physics,  School of Sciences,  Gujarat University, Ahmedabad, Pin  Code: 380009  Phone: 079-26303041 (O)  079-26925686 (R)  Mobile: 09427045969  <a href="mailto:usjoshi@gujaratuniversity.ac.in">usjoshi@gujaratuniversity.ac.in</a></p>	<p>Investigations on ion beam induced magneto-electric coupling in oxide based thin films and multilayers.</p>
15	<p>Prof. Hema Achyuthan  Department of Geology  Anna University,  Chennai-600 025  Phone: 044-22358453 (O)  044-24463136 (R)  Mobile: 09382849662  <a href="mailto:hachyuthan@yahoo.com">hachyuthan@yahoo.com</a></p>	<p>AMS dating of lake sediments and reconstruction of paleo southwest monsoon and the westerlies.</p>
16	<p>Dr. Mansi Saxena  Adjunct Professor/ Marie  Sklodowska-Curie Fellow,  Heavy Ion Laboratory  University of Warsaw, Pasteura 5A  Warsaw, Poland : 02-093  Phone: +48 579139443  <a href="mailto:msaxena@slcj.uw.edu.pl">msaxena@slcj.uw.edu.pl</a></p>	<p>Direct Measurement of B(E2) transition strength in <math>^{94}\text{Zr}</math> using coulomb excitation.</p>
17	<p>Prof. Karunakara. N.  Centre for Advanced Research in  Environmental Radioactivity (CAREER),  Mangalore University,  Mangalagangothri-574199, Karnataka  Phone: 0824-2287733 (O)  0824-2213052 (R)  Mobile: 9980775012  Fax:0824- 2287367  <a href="mailto:drkarunakara@gmail.com">drkarunakara@gmail.com</a></p>	<p>C-14 (<math>^{14}\text{C}</math>) estimation in tree rings samples around the nuclear power plants.</p>

18	<p>Dr. Sejal Shah  Scientific Officer –D  ITER-India, Institute for Plasma  Research, Block A, Sangath Skyz ,  Bhat-Motera Road, Koteshwar,  Ahmedabad -380005  Phone: +91-79-2326 9507 (O)  +91-79-48900905 (R)  Mobile: +91-9898196010  Fax: +91-79-2326-9501  <a href="mailto:sshah@iter-india.org">sshah@iter-india.org</a></p>	<p>Mimicking neutron irradiation impact on insulating materials by SHI and low energy ion beam.</p>
19	<p>Ms. Kanika Sharma  C/o. Dr. Anant Pandey  Department of Physics, Sri Venkateswara  College, University of Delhi, New Delhi,  Pin Code: 110021  Mobile: +91-998-858-2788 (Ms. Kanika)  <a href="mailto:kanika@svc.ac.in">kanika@svc.ac.in</a>  Mobile: 9811720585 (Dr. Pandey)  <a href="mailto:apandey@svc.ac.in">apandey@svc.ac.in</a>,  <a href="mailto:drpandey@gmail.com">drpandey@gmail.com</a></p>	<p>Synthesis and characterization of energy independent thermoluminescent materials for dosimetry of ion beams.</p>
20	<p>Mr. Prince Rautiyal  C/o. Dr. Paul A. Bingham,  Materials and Engineering Research  Institute  Sheffield Hallam University  City Campus  Howard Street, Sheffield, S1 1WB, UK  Mobile : +447442448037 (Mr. Rautiyal)  <a href="mailto:b6036442@my.shu.ac.uk">b6036442@my.shu.ac.uk</a>  Phone: +44 (0)114 2256449 (Dr.  Bingham)  <a href="mailto:p.a.bingham@shu.ac.uk">p.a.bingham@shu.ac.uk</a></p>	<p>Radiation effects in high-level nuclear waste glasses.</p>
21	<p>Mr. Chirag Malik  C/o. Dr. Anant Pandey,  Physics Department, Sri Venkateswara  College, University of Delhi,  New Delhi, Pin Code: 110021  Mobile: 8510079423 (Mr. Malik)  <a href="mailto:Chiragmalik525@gmail.com">Chiragmalik525@gmail.com</a>  Mobile: 9811720585  <a href="mailto:apandey@svc.ac.in">apandey@svc.ac.in</a></p>	<p>Synthesis of the thermoluminescent material for radiation dosimetry.</p>

22	<p>Ms. Rashi Gupta  C/o. Dr. Rajesh Kumar  University School of Basic and Applied Sciences ,  Guru Gobind Singh Indraprastha University,  Dwarka Sector-16-C, New Delhi-110078  Mobile: 7503328965 (Ms. Gupta)  <a href="mailto:rashigupta_92@rediffmail.com">rashigupta_92@rediffmail.com</a>  Phone: 011-25302966 (Dr. Kumar)  Mobile: 9718876101  <a href="mailto:rajeshkumaripu@gmail.com">rajeshkumaripu@gmail.com</a></p>	<p>SHI induced modifications in template synthesized metal &amp; semiconductor low dimensional structures and some applications.</p>
23	<p>Ms. Anu Rathi  C/o. Prof. A. K. Bhati  Department of Physics,  Punjab University,  Chandigarh-160014  Mobile: 07696862049 (Ms. Anu Rathi)  <a href="mailto:anurathi05@gmail.com">anurathi05@gmail.com</a>  Mobile: 09216502325  <a href="mailto:akbhati@pu.ac.in">akbhati@pu.ac.in</a></p>	<p>Nuclear electromagnetic moment measurements in transitional nuclei near Neutron shell closer N=82.</p>
24	<p>Mr. Sourav Ghosh  C/o. Dr. Utpal Ghosh, Department of Biochemistry and Biophysics, University of Kalyani, Kalyani, Nadia, West Bengal-741235</p> <p>Mobile: 9088104829 (Mr. Sourav Ghosh)  <a href="mailto:souravgtutu@gmail.com">souravgtutu@gmail.com</a>  Phone: 91-33-25828750 (Extn-385) (Dr. Utpal Ghosh)  Mobile: 91-9432261574  <a href="mailto:uptal8ghosh@klyuniv.ac.in">uptal8ghosh@klyuniv.ac.in</a>,  <a href="mailto:uptal8ghosh@gmail.com">uptal8ghosh@gmail.com</a></p>	<p>Radiosensitization of human cancer cells using G-quadruplex ligands.</p>
25	<p>Ms. Payel Dey  C/o. Dr. Utpal Ghosh, Department of Biochemistry and Biophysics, University of Kalyani, Kalyani, Nadia, West Bengal-741235  Mobile: 9038362674 (Ms. Dey)  <a href="mailto:payeldey13@gmail.com">payeldey13@gmail.com</a>  Phone: 91-33-25828750 (Extn-385) (Dr. Utpal Ghosh)  Mobile: 91-9432261574  <a href="mailto:uptal8ghosh@klyuniv.ac.in">uptal8ghosh@klyuniv.ac.in</a>,  <a href="mailto:uptal8ghosh@gmail.com">uptal8ghosh@gmail.com</a></p>	<p>Signaling pathways of activation and secretion of matrix metalloproteinases from human lung carcinoma cells after irradiation with carbon ion beam.</p>

26	<p>Ms. Shruti  C/o. Prof. Bivash Ranjan Behera ,  Department of Physics , Panjab  University, Chandigarh , Sector-14,  Chandigarh - 160014  Mobile: +91 7973138936 (Ms. Shruti)  <a href="mailto:shrutinarang.sn@gmail.com">shrutinarang.sn@gmail.com</a>  Phone: 0172-2534460(O) (Prof. Behera )  09815324956,  bivash@pu.ac.in; <a href="mailto:bivash.pu@gmail.com">bivash.pu@gmail.com</a></p>	<p>Fragmentation dynamics and neutron multiplicity measurements for super-heavy nuclei.</p>
27	<p>Ms. S. Sanila  C/o. Dr. A. M. Vinodkumar  Department of Physics  Calicut University ,  Malappuram, Kerala,  Pin Code: 673 635  Mobile: 09745129778 (Ms. Sanila)  <a href="mailto:sanilasathyan90@gmail.com">sanilasathyan90@gmail.com</a>  Mobile: 09645078924 (Dr. Vinodkumar)  <a href="mailto:attukalathil@gmail.com">attukalathil@gmail.com</a></p>	<p>Evaporation Residue measurements for the reaction forming Th and Ra compound nuclei.</p>
28	<p>Mr. Yogesh Kumar  C/o. Dr. A. P. Singh,  Dept. of Physics,  Dr. B. R. Ambedkar National Institute of  Technology, Jalandhar- 144011  Mobile: 09878787241 (Mr. Kumar)  <a href="mailto:vkumar394@gmail.com">vkumar394@gmail.com</a>  Phone: 0181-5048900 (Dr. Singh)  <a href="mailto:abhi.pr.s@gmail.com">abhi.pr.s@gmail.com</a></p>	<p>Electrical and optical properties of Zinc- and Strontium-stannate films.</p>
29	<p>Mr. Shashank Singh  C/o. Prof. K. P. Singh  Department of Physics,  Panjab University, Chandigarh , Pin  Code: 160014  Mobile: 7696024340 (Mr. Singh)  <a href="mailto:shashank8005@gmail.com">shashank8005@gmail.com</a>  Mobile: 09872777224 (Prof. Singh)  <a href="mailto:singhkp@pu.ac.in">singhkp@pu.ac.in</a></p>	<p>Investigation of heavy ion-atom collision processes and applications of atomic and nuclear analytical techniques.</p>
30	<p>Ms. Anjali Rani  C/o. Prof. Samit Kr. Mandal  Department of Physics &amp; Astrophysics,  University of Delhi, Delhi-110007  Mobile: 8860530524 (Ms. Rani)  <a href="mailto:akadyan0001@gmail.com">akadyan0001@gmail.com</a>  Mobile: 9582068428 (Prof. Mandal)  s.mandal.du@gmail.com,  <a href="mailto:smandal@physics.du.ac.in">smandal@physics.du.ac.in</a></p>	<p>Few- nucleons transfer and fusion reaction dynamics near the coulomb barrier.</p>

31	<p>Mr. Shoab Noor  C/o. Dr. Sunil Devi,  School of Physics and Materials Science,  Thapar University, Patiala-147004  Mobile: 8439472474 (Mr. Noor)  <a href="mailto:shoab.phys@gmail.com">shoab.phys@gmail.com</a>  Mobile: 7087937045 (Dr. Devi)  <a href="mailto:sunil.devi@thapar.edu">sunil.devi@thapar.edu</a></p>	<p>Investigation of pairing correlation and channel coupling effects in interactions of <math>^{18}\text{O}</math> with <math>^{64,68}\text{Zn}</math> around the Coulomb barrier.</p>
32	<p>Ms. Ruchika Gupta  C/o. Dr. Punita Verma  Department of Physics ,  Kalindi College, East Patel Nagar,  University of Delhi , Pin Code: 110008  Mobile: 8826641909 (Ms. Gupta)  <a href="mailto:ruchikagupta.du@gmail.com">ruchikagupta.du@gmail.com</a>  Mobile: 8800650576 (Dr. Verma)  <a href="mailto:drpunitaverma.nature@gmail.com">drpunitaverma.nature@gmail.com</a></p>	<p>Investigation of inner shell ionization processes in superheavy systems (unified nuclear charge <math>&gt; 100</math>) through differential X-ray measurements.</p>
33	<p>Mr. Ishfaq Majeed Bhat  C/o. Prof. B. P. Singh  Physics Department ,  Aligarh Muslim University, Aligarh-202  002  Phone: 0571-2701001 (O)(Mr. Bhat)  Mobile: 07895643128  <a href="mailto:ishfaqmjd750@gmail.com">ishfaqmjd750@gmail.com</a>  Mobile: 09412133929 (Prof. Singh)</p>	<p>A study of entrance channel effects in the incomplete fusion reactions at <math>\approx 4 - 7</math> MeV/n energies.</p>
34	<p>Mr. Rohan Biswas  C/o. Dr. Subir Nath  Department of Nuclear Physics ,  Inter-University Accelerator Center, New  Delhi-110067  Mobile: 9717656042 (Mr. Biswas)  <a href="mailto:rohanbiswas1993@gmail.com">rohanbiswas1993@gmail.com</a>  Mobile: 9953011090 (Dr. Nath)  subir@iuac.res.in,  <a href="mailto:subirnath.iuac@gmail.com">subirnath.iuac@gmail.com</a></p>	<p>Study of fusion reactions deep below the barrier.</p>
35	<p>Ms. Sutapa Dey  C/o. Dr. Somnath C Roy,  Department of Physics,  IIT Madras, Pin Code: 600036  Mobile:7092543846 (Ms. Dey)  <a href="mailto:sutapadey1992@gmail.com">sutapadey1992@gmail.com</a>  Mobile:8056081266 (Dr. Roy)  <a href="mailto:somnath@iitm.ac.in">somnath@iitm.ac.in</a></p>	<p>Investigation on the controlled modification of <math>\text{TiO}_2</math> nanotubes, reduced graphene oxide (RGO) and RGO wrapped <math>\text{TiO}_2</math> nanotubes by ionizing and non-ionizing irradiation using Ag beam.</p>

36	<p>Mr. Amritraj Mahato  C/o. Dr. Dharmendra Singh  Center For Applied Physics, ,  Central University Of Jharkhand ,  Brambe, Ranchi-835 205  Mobile: 08603387354 (Mr. Mahato)  <a href="mailto:amritrajnaren@gmail.com">amritrajnaren@gmail.com</a>  Mobile: 08809323825 (Dr. Singh)  <a href="mailto:dsinghiuac@gmail.com">dsinghiuac@gmail.com</a>,  <a href="mailto:dsinghcuj@gmail.com">dsinghcuj@gmail.com</a></p>	<p>Study of fusion-fission dynamics induced by heavy ions at energies near and above the coulomb barrier.</p>
37	<p>Ms. Himanshi Gupta  C/o. Dr. Fouran Singh  Department of Material Science ,  Inter-University Accelerator Center, New  Delhi-110067  Mobile: 7017296911 (Ms. Gupta)  <a href="mailto:himanshigupta038@gmail.com">himanshigupta038@gmail.com</a>  Phone: 26892601 (Dr. Fouran Singh)  (Ext.-8202)  Mobile: 09868204083  <a href="mailto:fouran@gmail.com">fouran@gmail.com</a></p>	<p>Study of Semiconductor to metal transition in ZnO based thin films/nanocomposites and their modifications by ion irradiation.</p>
38	<p>Ms. Manasi Debnath  C/o. Prof. Hiambok Jones Syiemlieh  Department of Geography ,  School of Human and Environmental  Studies , North-Eastern Hill University,  Shillong, Meghalaya, Pin Code: 793022  Mobile: 9474932100  <a href="mailto:manasi.jnu2012@gmail.com">manasi.jnu2012@gmail.com</a>  Mobile: 09436107682 (Prof. Syiemlieh)  <a href="mailto:hjsyiemlieh@gmail.com">hjsyiemlieh@gmail.com</a> ,  <a href="mailto:hjsyiemlieh@rediffmail.com">hjsyiemlieh@rediffmail.com</a></p>	<p>Palaeoclimatic Reconstruction of Changme Khangpu Glacier, Upper Tista Basin, Eastern Himalaya, India.</p>
39	<p>Ms. Rini Singh  C/o. Dr. Manoj Kumar  Department of Physics, Malaviya National  Institute of Technology Jaipur- 302017  Mobile: 9784638708 (Ms. Singh)  <a href="mailto:rinisingh.1910@gmail.com">rinisingh.1910@gmail.com</a>  Mobile: 9549659761 (Dr. Kumar)  <a href="mailto:mkumar.phy@mnit.ac.in">mkumar.phy@mnit.ac.in</a>,  <a href="mailto:kmanujk@gmail.com">kmanujk@gmail.com</a></p>	<p>High pressure magneto transport studies of bismuth chalcogenide based topological insulators.</p>
40	<p>Mr. Saurabh Kumar Sharma  C/o. Dr. Pawan Kumar Kulriya,  Inter-University Accelerator Centre  (IUAC), New Delhi-110067  Mobile: 9818369410 (Mr. Sharma)  <a href="mailto:sharmasaurabh030@gmail.com">sharmasaurabh030@gmail.com</a>  Mobile: +91-8800389872 (Dr. Kulriya)  <a href="mailto:pawan@iuac.res.in">pawan@iuac.res.in</a></p>	<p>Radiation induced effects in the nano-structured ceramics for waste form applications.</p>



41	Mr. A.Vinayak C/o. Prof. N. M. Badiger Department of Physics Karnatak University, Dharwad-580003 Mobile: 919449421384 (Mr. A.Vinayak) <a href="mailto:vinayak4s91@gmail.com">vinayak4s91@gmail.com</a> Mobile: 09740827296 (Prof. Badiger) <a href="mailto:nbadiger@gmail.com">nbadiger@gmail.com</a>	Study of the multi-nucleon transfer reaction and investigation of cluster and sequential transfer.
42	Dr. Sanjay Kumar Chamoli Assistant Professor , Department of Physics Astrophysics, University of Delhi, Delhi , Pin Code: 110007 Phone: 011 27662087 (R) Mobile: 9999062324 <a href="mailto:skchamoli@physics.du.ac.in">skchamoli@physics.du.ac.in</a>	Lifetime measurement study of octupole deformation in neutron deficient nuclei in Xe-Cs-Ba region.
43	Dr. Gaurav Kaushal Assistant Professor D Block -115, ABV-IIITM, Morena Link Road, Gwalior-(M.P.), Pin Code: 474015 Phone +91-7512449633(O) Mobile: +91-7070895548 <a href="mailto:kaushalg@nitp.ac.in">kaushalg@nitp.ac.in</a>	Fabrication and characterization of a novel radiation hard SRAM array.
44	Dr. Ghulam Nabi Dar Assistant Professor Department of Physics, University of Kashmir, Srinagar- 190006 Mobile: 9086486160 <a href="mailto:gulnoor.dar@gmail.com">gulnoor.dar@gmail.com</a>	Effect of light and heavy ion irradiation on pure and transition metal doped iron oxide thin films.
45	Dr. R. P. Chauhan Associate Professor Department of Physics National Institute of Technology, Kurukshetra (Haryana)-1361 I9 Phone: 01744-233546 (O) Mobile: +91- 9896075913 Fax: 01744-238050 <a href="mailto:chauhanrpc@gmail.com">chauhanrpc@gmail.com</a>	Modifications in the properties of II-VI semiconducting nanostructures by ion beam.

46	<p>Dr. Anup Thakur  Assistant Professor in Physics,  Department of Basic &amp; Applied Sciences,  Punjab University, Patiala, Punjab, Pin  Code: 147002  Phone: 0175-3046336 (O)  0175-2970729 (R)  Mobile: 9417110095  <a href="mailto:dranupthakur@gmail.com">dranupthakur@gmail.com</a></p>	Luminescence studies of swift heavy ion irradiated rare earth doped MgO based nanophosphors.
47	<p>Prof. Lakhwant Singh  Department of Physics, Guru Nanak Dev  University, Amritsar-143005  Phone: 0183-2258802/09-3505 (O)  Mobile: 09914128822  Fax: 0183-2258819/20  <a href="mailto:lakhwant@yahoo.com">lakhwant@yahoo.com</a></p>	Dosimetric aspects of irradiated TL nanophosphors for ion beam radiotherapy.
48	<p>Prof. Davinder Paul Singh  Department of Physics, Guru Nanak Dev  University, Amritsar, Pin Code: 143005  Phone: 0183-2258802-09, Extn. 3479 (O)  Mobile: 9914010451  Fax: 0183-2258819, 2258820  <a href="mailto:dpsingh.phy@gndu.ac.in">dpsingh.phy@gndu.ac.in</a></p>	The modification of structural and opto-electronic properties of WO <sub>3</sub> thin films using SHI and ion implantation of transition metal ions.
49	<p>Dr. Shailendra S. Dahiwale  Assistant Professor,  Department of Physics,  Savitribai Phule Pune University, Pune,  Pin Code: 411007  Phone: 020-25692678, 020-25699072  (O)  Mobile: +91-8108001200  Fax: +91-20-25691684  <a href="mailto:ssd@physics.unipune.ac.in">ssd@physics.unipune.ac.in</a></p>	Ion irradiation induced defects in 2D TMD materials.
50	<p>Prof. Sanjay J. Dhoble  Department of Physics, Rashtrasant  Tukadoji Maharaj(RTM) Nagpur  University, Nagpur, Maharashtra-440033  Phone: 0712-2500083 (O)  0712-2251361 , 0712-2250180 (R)  Mobile: 09822710204  <a href="mailto:sjdhoble@rediffmail.com">sjdhoble@rediffmail.com</a>,  <a href="mailto:sjdhoble@gmail.com">sjdhoble@gmail.com</a></p>	Effect of ion beam and photons on spectroscopic properties of aluminosilicate based LED materials for space applications.
51	<p>Dr. Tarkeshwar Trivedi  Asst. Professor,  Department of Pure &amp; Applied Physics,  Guru Ghasidas Vishwavidyalaya, Koni,  Bilaspur, Pin Code: 495009  Mobile: +91-9479245960  <a href="mailto:ttrivedi1@gmail.com">ttrivedi1@gmail.com</a></p>	Investigation of interplay of collective and magnetic rotation in medium mass In isotopes.

52	Dr. Vibha Chopra Assistant Professor , P. G. Department of Physics and Electronics, DAV College, Katra Sher Singh, Amritsar, Punjab , Pin Code: 143001 Mobile: 08727843444 <a href="mailto:vibhachopra04@gmail.com">vibhachopra04@gmail.com</a>	To develop an emergency dosimeter for accidental situation using thermoluminescence technique.
53	Dr. Ashok Kumar Associate Professor Department of physics , Panjab University, Chandigarh , Pin Code: 160014 Phone: 0172-2534461 (O) 0172-2725728 (R) Mobile: 9041908468 <a href="mailto:ashok@pu.ac.in">ashok@pu.ac.in</a>	High spin structure and lifetime measurements using recoil distance doppler shift method in mass region A~120 nuclei.
54	Prof. Swapan Kumar Dolui Dept. Of Chemical Sciences, Tezpur University, Napam, Tezpur, Assam, Pin Code: 784028 Phone: 03712-275052 (O) Mobile:09957198489 Fax: 03712-267005/6 <a href="mailto:dolui@tezu.ernet.in">dolui@tezu.ernet.in</a>	Modification of electrical properties of polymer nanocomposites by ion beam irradiation for application in solar cells and sensors.
55	Dr. Neeti Tripathi DST- Inspire Faculty School of Physical Sciences (SoPS), Department of Physics, Doon University, Doon University Campus, Kedarpur, Dehradun, Uttrakhand, Pin Code: 248001 Mobile: +91-9540838621 <a href="mailto:neetidtripathi@gmail.com">neetidtripathi@gmail.com</a>	Effect of SHI irradiation on photoluminescence properties of BCN/silica composite.
56	Dr. Pawan K. Diwan Assistant Professor Department of Applied Science, University Institute of Engineering and Technology (UIET), Kurukshetra University, Kurukshetra-136 119, Haryana Mobile: 098960 32200 <a href="mailto:diwanpk74@gmail.com">diwanpk74@gmail.com</a>	Measurements of first four moments associated with energy loss spectrum of energetic heavy ions in different metals.
57	Dr. Sumi Handique Assistant Professor Department Of Environmental Science , Tezpur University. Napaam. Tezpur. Assam , Pin Code: 784028 Phone: +91-3712-27-5611 (O) Mobile: +91-9435188365 <a href="mailto:sumihan@tezu.ernet.in">sumihan@tezu.ernet.in</a>	To quantify the rates of erosion across the Shillong plateau and to compare these with published estimates from the Himalaya.

58	Dr. Balram Tripathi Associate Professor , Department of Physics, S S Jain Subodh (PG) College Jaipur -302004 Phone: 0141-2565989 (O) Mobile: 9460067015 <a href="mailto:ballu1181@gmail.com">ballu1181@gmail.com</a> , <a href="mailto:balramtripathi1181@gmail.com">balramtripathi1181@gmail.com</a>	Tuning of photovoltaic effects due to SHI irradiation on ferroelectric photovoltaics.
59	Dr. Sanjeev Gautam Assistant Professor Department of Physics, Panjab University Chandigarh, Dr. S. S. Bhatnagar University Institute of Chemical Engineering & Technology, Pin Code: 160014 Mobile: 09779713212 <a href="mailto:sgautam71@gmail.com">sgautam71@gmail.com</a> , <a href="mailto:sgautam@pu.ac.in">sgautam@pu.ac.in</a>	Irradiation induced interface and magnetic study of Zinc ferrite/insulator/cobalt ferrite multilayers.
60	Prof. Hema Achyuthan Institute for Ocean Development, Anna University, Chennai-600 025 Phone: 044-22357508 (O) Mobile: 09382849662 <a href="mailto:hachyuthan@yahoo.com">hachyuthan@yahoo.com</a>	Cosmogenic radionuclide concentrations in laterites from Goa; implications on their exposure.

#### BTR-5: LOW ENERGY ION BEAM FACILITY

S.No	PRINCIPAL INVESTIGATOR	TITLE OF THE PROJECT
1	Dr. Ghulam Nabi Dar Assistant Professor, Department of Physics, University of Kashmir, Srinagar, Pin Code: 190006 <a href="mailto:gulnoor.dar@gmail.com">gulnoor.dar@gmail.com</a>	Effect of light and heavy ion irradiation on pure and transition metal doped iron oxide thin films.
2	Dr. Jyoti Rajput Assistant Professor , Room No. 96 (New Block) , Department of Physics and Astrophysics , University of Delhi (North Campus), Delhi, 110007 Mobile: 9891164262	Exploring non-statistical fragmentation of Polycyclic Aromatic Hydrocarbons (PAHs).
3	Dr. Jaydeep Bhattacharya Assistant Professor, Lab 001, School of Biotechnology, Jawaharlal Nehru University, New Delhi-110067 Phone: 011 26708889 (O) Mobile: 9711775392 <a href="mailto:jaydjb@gmail.com">jaydjb@gmail.com</a>	Development of ion beam modified self-cleaning ZnO thin films for improved antimicrobial efficacy against multidrug resistant bacteria.

4	<p>Dr. P. Sundara Venkatesh  Assistant Professor  Department of Physics ,  Sri S. Ramasamy Naidu Memorial  College,  Sattur/Madurai Kamaraj University,  Madurai, Pin Code: 626203 (Tamil Nadu )  Phone: 94867 60326  Mobile: 89258 40740  <a href="mailto:srnmcpphysics@gmail.com">srnmcpphysics@gmail.com</a></p>	<p>Fabrication and characterization of Fe (or Mo) and H implanted BiVO<sub>4</sub> thin films for the application of photoelectrochemical water splitting.</p>
5	<p>Dr. Kumaraswamy GN  Associate Professor  Department of Physics,  Amrita School of Engineering, Amrita  Vishwa Vidyapeetham, Kasavanahalli,  Bengaluru, Pin Code: 560035  Mobile: +91-9886883788  <a href="mailto:gnk_swamy@blr.amrita.edu">gnk_swamy@blr.amrita.edu</a>,  <a href="mailto:kumy79@gmail.com">kumy79@gmail.com</a></p>	<p>Modification in the transport behavior of solid polymer electrolyte systems using low energy ion beam.</p>
6	<p>Prof. Sanjiv Puri  Department of Basic and Applied  Sciences, Punjabi University, Patiala,  Punjab, Pin Code: 147002  Mobile: 9815603759  <a href="mailto:sanjivpurichd@yahoo.com">sanjivpurichd@yahoo.com</a></p>	<p>Study of energy and charge state dependence of cross sections for production of the resolved M X-rays of some heavy elements by low energy ion beams.</p>
7	<p>Dr. Radhekrishna L. Dubey  Assistant Professor,  Department of Physics,  St. Xavier's College-Autonomous,  University of Mumbai, 5 Mahapalika  Marg, Mumbai, Pin Code: 400001  Mobile: 09324558515/ 09561008825  <a href="mailto:radhekrishna.dubey@xaviers.edu">radhekrishna.dubey@xaviers.edu</a></p>	<p>Studies of dilute magnetic semiconductors synthesized by magnetic ion implantation.</p>
8	<p>Dr. Tanuja Mohanty  Assistant Professor ,  School of Physical Sciences, Jawaharlal  Nehru University, New Delhi -110067  Phone: 011-26738802 (O)  Mobile: 9810947375  <a href="mailto:tanujajnu@gmail.com">tanujajnu@gmail.com</a>,  <a href="mailto:tmohanty@mail.jnu.ac.in">tmohanty@mail.jnu.ac.in</a></p>	<p>Inter layer coupling and band gap transition of 2D heterostructures of TMDCs by low energy ion irradiation.</p>
9	<p>Mr. Jagjeevan Ram  C/o. Dr. Rajesh Kumar  University Scholl of Basic and Applied  Sciences ,  Guru Gobind Singh Indraprastha  University, (Govt. of NCT of Delhi),  Sector 16-C, Dwarka, New Delhi-78  Mobile: 9718876101  <a href="mailto:rajeshkumaripu@gmail.com">rajeshkumaripu@gmail.com</a></p>	<p>Low energy ions induced modifications in nano metal oxide polymer composites.</p>

10	<p>Dr. Shyamal Chatterjee  Assistant Professor  Room No. 120, School of Basic Sciences,  IIT Bhubaneswar, Jatni, Khordha,  Odisha-752050  Mobile: 9938245478  <a href="mailto:shyamal@iitbbs.ac.in">shyamal@iitbbs.ac.in</a></p>	<p>Ion induced modification of nanostructured metal-oxides.</p>
11	<p>Dr. Jagjiwan Mittal  Assistant Professor III  Amity Institute of Nanotechnology,  Amity University, UP Sector-125  Noida (UP)-201301  Phone: 0120-4392130 (R)  01165260612  Mobile: 9899010491  <a href="mailto:jmittal@amity.edu">jmittal@amity.edu</a></p>	<p>Effect of low energy ion irradiation treatment on the transport properties and gas sensing behaviors of hybrid carbon nanomaterials and nanocomposite.</p>
12	<p>Mr. Saurabh Kumar Sharma  C/o. Dr. Pawan Kumar Kulriya,  Inter-University Accelerator Centre  (IUAC), New Delhi-110067  Mobile: 9818369410 (Mr. Sharma)  <a href="mailto:sharmasaurabh030@gmail.com">sharmasaurabh030@gmail.com</a>  Mobile: +91-8800389872 (Dr. Kulriya)  <a href="mailto:pawan@iuac.res.in">pawan@iuac.res.in</a></p>	<p>Radiation induced effects in the nano-structured ceramics for waste form applications.</p>
13	<p>Ms. Poorani Gnanasambandan  C/o. Dr. Kumaraswamy GN  Organic Photovoltaics Lab,  Department of Physics,  Amrita Vishwa Vidyapeetham,  Kasavanahalli, Bengaluru, Pin Code:  560035  Mobile: 9488365047 (Ms.  Gnanasambandan)  <a href="mailto:g_poorani@blr.amrita.edu">g_poorani@blr.amrita.edu</a>  Phone: 080-25183700 (O) (Dr.  Kumaraswamy GN)  Mobile: +91-9886883788  <a href="mailto:gnk_swamy@blr.amrita.edu">gnk_swamy@blr.amrita.edu</a>,  <a href="mailto:kumy79@gmail.com">kumy79@gmail.com</a></p>	<p>Photo-absorption and charge separation studies in organic photovoltaics.</p>
14	<p>Mr. Prince Rautiyal  C/o. Dr. Paul A. Bingham,  Materials and Engineering Research  Institute  Sheffield Hallam University City Campus  Howard Street, Sheffield, S1 1WB, UK  Mobile : +447442448037 (Mr. Rautiyal)  <a href="mailto:b6036442@my.shu.ac.uk">b6036442@my.shu.ac.uk</a>  Phone: +44 (0)114 2256449 (Dr.  Bingham)  <a href="mailto:p.a.bingham@shu.ac.uk">p.a.bingham@shu.ac.uk</a></p>	<p>Radiation effects in high-level nuclear waste glasses.</p>

15	<p>Prof. Durga Basak Senior Professor Dept. - Solid State Physics Indian Association for the Cultivation of Science, 2A &amp; 2B Raja SC Mullick Road, Jadavpur, Kolkata, Pin Code: 700032 Phone: 033-24734971, Extn.-1316 (O) Mobile: 9433008508 Fax: 033-24732805 <a href="mailto:sspdb@iacs.res.in">sspdb@iacs.res.in</a></p>	<p>Study on the effect of Al, and N implantation on the electrical, optical and photoconductivity properties of ZnO nanorods array film.</p>
16	<p>Dr. Sejal Shah Scientific Officer –D ITER-India, Institute for Plasma Research, Block A, Sangath Skyz , Bhat-Motera Road, Koteswar, Ahmedabad -380005 Phone: +91-79-2326 9507 (O) Mobile: +91-9898196010 <a href="mailto:sshah@iter-india.org">sshah@iter-india.org</a>, <a href="mailto:sejal@ipr.res.in">sejal@ipr.res.in</a></p>	<p>Mimicking neutron irradiation impact on insulating materials by SHI and low energy ion beam.</p>
17	<p>Mr. Shashank Singh C/o. Prof. K. P. Singh Department of Physics, Panjab University, Chandigarh , Pin Code: 160014 Mobile: 7696024340 (Mr. Singh) <a href="mailto:shashank8005@gmail.com">shashank8005@gmail.com</a> Mobile: 09872777224 (Prof. Singh) <a href="mailto:singhkp@pu.ac.in">singhkp@pu.ac.in</a></p>	<p>Investigation of heavy ion-atom collision processes and applications of atomic and nuclear analytical techniques.</p>