

SUMMARY OF PROJECTS SANCTIONED DURING ACCELERATOR USERS COMMITTEE(AUC)-53 MEETING

S.No	PI Name Affiliation	Title
1	Dr. Sonam Raheja Apeejay Stya University Sohna-Palwal Road, Village Silani (Sohna) Gurgaon (Haryana) – 122 103	Effect of ion irradiation on the magnetic and transport properties of transition metal doped magnetite films
2	Dr. Rakesh Kumar IUAC, Aruna Asaf Ali Marg, PO – 10502, New Delhi – 110067	Multi step Coulomb excitation of ^{132,134} Ba isotopes
3	Dr. Kanak Chandra Sarma Prof & Head, Department of Instrumentation & USIC, Gauhati University, Gopinath Bordoloi Nagar, Jalukbari, Guwahati, Assam – 781 014	SHI Induced Effects on Structural and Optical Properties of PbS and ZnS nanostructure.
4	Dr. V. Raghavendra Reddy Scientist-E UGC-DAE Consortium for Scientific Research, Khandwa Road, Indore – 452 001	Study of swift heavy ion induced modifications of BaTiO ₃ based ferroelectric and multiferroic thin films
5	Dr. Feroz Ahmad Mir University Science Instrumentation Centre (USIC), University of Kashmir, Hazratbal, Srinagar, jammu and Kashmir – 190 006	Modification of structural and optical properties of some Coumarin based polymer composites for Radiochromatic applications after SHI irradiations.
6	Dr. Charu Lata Dube post Doctoral Fellow , Room No. FF 15, Institute for Plasma Research Bhat Gandhinagar – 382 428	Radiation damage study on ion beam irradiated tungsten
7	Prof. J.V.V.N. KESAVA RAO Lecturer in Physics S.K.University, Govt College for Men near clock tower, Anantapur, Andhra Pradesh – 515 001	Study of the properties of METAL-GaN semiconductor interface schottky contacts under swift heavy ions
8	Prof. B. Bhattacharya School of Engineering and technology, Sharda University, Knowledge park – III, Greater Noida – 201 310	Effect of Swift Ion Beam on Polymer Electrolyte Films

S.No	PI Name Affiliation	Title
9	Prof. Amarjyoti Choudhary Dept of Physics, Tezpur University, Napaam, Tezpur – 784 028	Modification of sensing and magnetic properties of undoped and doped SnO ₂ nanostructures.
10	Dr. Pradip Kumar Kalita Department of Physics , Guwahati Collage, P.O. Bamunimaidan, Gawahati, Assam – 781 021	Studies on optoelectronic properties of swift heavy ion irradiated ZnO/ZnS core/shell nanostructures
11	Dr. Pradip Kumar Kalita Department of Physics , Guwahati Collage, P.O. Bamunimaidan, Gawahati, Assam – 781 021	Effect of swift heavy ion irradiation on photoelectronic properties of CdSe nanostructures
12	Mr. Vikas Sharma Department of Physics Malaviya National Institute of Technology, JLN Marg, Jaipur – 302 017	Swift heavy ion induced modifications on SnO ₂ /Au-Pd/SnO ₂ multilayer systems
13	Dr. Kedar Singh Department of Physics, Banaras Hindu University, Varanasi – 221 005,	Effect of ions irradiation on structural, optical and electrical properties of chalcogenide materials
14	Dr. Tilak kr Ghosh Scientific Officer, Variable Energy Cyclotron Centre, Physics Group, 1/AF Bidhannagar, Kolkatta – 700064	Study of fusion-fission dynamics near the Coulomb barrier
15	Dr. Gayatri Mohanto Inter-University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi – 110067	Effect of shell closure on fusion fission dynamics
16	Dr. Tapan Nandi Scientist , Inter-University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi – 110067	Measurement of ion-energy loss and straggling due to surface energy loss field as a function of charge state and metal layer thickness
17	Dr. Fouran Singh Scientist, IUAC, New Delhi – 67	In situ micro-Raman Facility test in beam Hall – II: Materials modifications by SHI irradiation
18	Dr. Nupur Saxena Inter University Accelerator Centre, Aruna Asaf Ali Marg, Post Box – 10502, New Delhi – 110067	Ion Beam induced functionality in semiconductor nanostructures for sensing applications

S.No	PI Name Affiliation	Title
19	Dr.Suresh Kumar Dept.of Physics and Astrophysics, university of Delhi-110007	Study of High Spin States in $^{211-214}\text{Ra}$ near N=126 Magic Shell
20	Mr. Himanshu Fulara C/o Prof. Sujeet Chaudhary IIT Delhi, Hauz Khas, New Delhi	Study of Exchange bias in Antiferromagnetic/Ferromagnetic (AF/FM) systems using swift heavy ion irradiation
21	Mr. Sajad Ahmad Mir C/o Dr. M.Ikram, Department of Physics, NIT, Srinagar,	Structural, Magnetic and Electrical Properties of Rare-earth Based Nickelates before and after Heavy Ion Irradiation
22	Miss. Zubida Habib C/o Dr. Kowsar Majid, Department of Chemistry, NIT, Srinagar,	Study of Magnetic and transport properties of Holmium Based Rare Earth Transition Metal Oxide Systems
23	Ms. Somrita Dutta C/o Dr. Shailendra Kumar Sharma Department of Applied Physics Indian School of Mines, Dhanbad – 826 004	Optical Spectroscopic studies of Rare Earth Doped Molybdate Phosphore.
24	Ms. Hala C/o Dr. Tauheed Ahmad Deptt of Physics AMU Aligarh – 202 002	Structural studies of multiply ionized selenium atoms
25	Ms. Pallavi Rana C/o Dr. R.P. Chauhan Department of Physics NIT, Kurukshetra, Haryana – 136 119	Study of the Radiation Induced Modification in the properties of Nanostructures and Devices
26	Mr. Vijay Raj Sharma C/o Prof.B.P.Singh, Department of Physics, Aligarh Muslim University, Aligarh – 202 002	Probing the systematic for in-complete fusion reactions at low energies
27	Mr. Saroj Radheyshyam Sabhajeet C/o Dr. R.G.Sonkawade Department of Applied Physics, Babasaheb Bhimrao Ambedkar University (A central university), Vidhya Vihar, Rai Bareli Road, Lucknow – 226 025	Nanotechnology/Material Science /Solid State Physics
28	Mr. Rakesh Kumar Dubey C/o Dr P.Sugathan IUAC, New Delhi-67	Study of Fission Dynamics in heavy mass region

S.No	PI Name Affiliation	Title
29	Mr. Aman Rohilla C/o Dr. Sanjay Kumar Chamoli Department of Physics and astrophysics, University of Delhi,	Nuclear structure studies at high spins in nuclei of mass region A~175
30	Ms. G.M. Shanthini C/o Dr. S. Narayana Kulkura Crystal Growth Centre Anna University, Chennai – 25	Investigations of physical and biological performance of swift heavy ion irradiation on calcium phosphate based bio-ceramic and its polymer composites
31	Ms. Priya Sharma C/o Dr. B. R. Behera Department of Physics, Panjab University, Chandigarh (UT) – 160 014	Evaporation Residue, Fission cross section and ER gated spin distribution measurements for understanding the reaction mechanism of heavy Compound Nucleus.
32	Ms. Meenu Thakur C/o Dr. B. R. Behera Department of Physics, Panjab University, Chandigarh (UT) – 160 014	Measurement of Mass gated Neutron Multiplicity for nuclei near the super-heavy region
33	Prof. Tauheed Ahmad Department of Physics Aligarh Muslim University Aligarh – 202 002	Study of the Energy Level Structure and Spectra of highly charged Indium atoms
34	Dr. (Mrs.) Amarjeet Kaur Department of Physics and Astrophysics, University of Delhi – 110 007	Mecahanism of Gas sensitivity in Ion beam irradiated conducting polymers
35	Dr. Atul Khanna Guru Nanak Dev University, Department of Physics, Amritsar, Punjab – 143 005	Study of effects of ion beam irradiation on the structure and properties of oxide glasses
36	Prof. B.P.Singh Department of Physics, Aligarh Muslim University, Aligarh – 202 002	A study of energy and Angular distribution of neutrons in heavy-ions reactions
37	Dr. Anupinder Singh Department of Physics, Guru Nanak Dev university, Amritsar – 143 005	Irradiation Induced Magnetoelectric Properties of 3 ^d Transition Metal Doped Environment Friendly Barium Strontium Titanate
38	Dr. D. Behera Department of Physics, NIT, Rourkela – 769 008	Enhancement, by Swift heavy ion irradiation, of Critical Current Density in High Tc Superconductors/Ferromagnetic heterostructure multilayers thin films
39	Dr. Subhasis Ghosh Jawaharlal Nehru University, New Delhi – 67	Modification of Grain Boundaries to Improve Polycrystalline Oxide Thin Films Using High Energy Ions

