

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
1	QMAT2024_0002	Mr Kanav Sharma	IISER Kolkata	qmat2024_046	Investigating Low-Frequency Noise and Defect-Induced Impurity Bands in Topological Insulators
2	QMAT2024_0004	Dr Saswata Halder	Tata Institute of Fundamental Research	qmat2024_001	Magnetic hard axis ordering in quasi one-dimensional antiferromagnet Ce <sub>3</sub> ZrBi <sub>5</sub>
3	QMAT2024_0005	Mr Sayan Ghosh	S.N. Bose National Centre for Basic Sciences	qmat2024_114	Frustrated spin-1/2 model on Kagome Strip Chain: An analogy to Kugel Khomskii model
4	QMAT2024_0008	Ms Nandana Bhattacharya	Indian Institute of Science	qmat2024_005	Site-selective polar compensation of Mott electrons in a double perovskite heterointerface
5	QMAT2024_0009	Mr Vivek Pandey	Indian Institute of Technology Mandi	qmat2024_003	An ab-initio study of nodal-arcs, axial strain's effect on nodal-lines & Weyl nodes and Weyl-contributed Seebeck coefficient in TaAs class of Weyl semimetals.
6	QMAT2024_0010	Mr Prakash Pandey	Indian Institute of Technology Mandi	qmat2024_002	Strain effects on the symmorphic Imm2-phase of Cu <sub>2</sub> SnS <sub>3</sub> topological semimetal
7	QMAT2024_0011	Mr Subhadeep Chakraborty	Indian Institute of Science Education and Research (IISER), Kolkata	qmat2024_023	Robust Majorana bound state in pseudo-spin domain wall of 2-D topological insulator
8	QMAT2024_0012	Mr Krishnan Iyer	Tata Institute of Fundamental Research	qmat2024_007	Exotic ferromagnetism in Nd <sub>2</sub> TiSi <sub>3</sub> (T= Pd, Rh) unlike other members of these rare-earth families
9	QMAT2024_0013	Mr Koushik P	Indian Institute of Technology, Mandi	qmat2024_092	Effect of chemical disorder and carrier localization on physical properties of nonstoichiometric IrMnSn
10	QMAT2024_0014	Mr Shubham Patil	UGC-DAE Consortium for Scientific Research Mumbai Centre	qmat2024_131	Structural and Magnetic Properties of Na <sub>1-x</sub> Cu <sub>x</sub> TeO <sub>6</sub> : Insights into Low-Temperature Behavior
11	QMAT2024_0015	Mr Pankaj Kumar	IIT Mandi	qmat2024_031	Electronic and thermal transport properties of superconducting topological 3D Dirac Semimetal PdTe
12	QMAT2024_0017	Mr Pritam Pal	Indian Institute of Science	qmat2024_015	Low-frequency resistance noise in near magic-angle twisted bilayer graphene
13	QMAT2024_0021	Mr TUHIN DEBNATH	INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE	qmat2024_008	Critical Scaling Analysis and Magnetic Phase diagram of Mn intercalated TaS <sub>2</sub>

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
14	QMAT2024_0022	Mr Arkajyoti Maity	Max Planck Institute for the Physics of Complex Systems, Dresden, Germany	qmat2024_103	Driven-dissipative fermionized topological phases of strongly interacting composite bosons
15	QMAT2024_0026	Mr Ivan Dutta	NISER	qmat2024_035	Exactly Solvable Kitaev Spin-Orbital Bilayer Model
16	QMAT2024_0027	Mr Chandan Kumar	S.N. Bose National Centre for Basic Sciences	qmat2024_009	Magnetic Microstate and Configurational Anisotropy Modulated Spin Wave Dynamics in Three-Dimensional Artificial Spin Ice
17	QMAT2024_0029	Mr Soumya Bhowmik	Saha Institute of Nuclear Physics	qmat2024_246	Spin Glass Behaviour of 5d Element-Based Quaternary Heusler Alloy IrFeMnAl
18	QMAT2024_0033	Mr Devanshu Shekhar	IIT Kharagpur	qmat2024_010	Entanglement Dynamics of Many-body System With Evolving System Conditions
19	QMAT2024_0034	Mr Pinaki Dutta	Indian Institute of Technology Kharagpur	qmat2024_011	Prethermalization in the PXP Model under Continuous Quasiperiodic Driving
20	QMAT2024_0036	Mr Sourav Sarkar	S N Bose National Centre for Basic Sciences	qmat2024_012	Correlation between Negative Dielectric Permittivity and Magnetism in spinel ferrite nanostructures
21	QMAT2024_0037	Ms Medha Roy Choudhury	IISER KOLKATA	qmat2024_037	Evolution of BCS Superconductors following a Sudden Quench
22	QMAT2024_0038	Ms Suswapna Mukherjee	Saha Institute of Nuclear Physics	qmat2024_018	Band tuning in 2d nanoplatelets due to Geometrical Curvature
23	QMAT2024_0039	Mr SUBRATA PACHHAL	Indian Institute of Technology, Kanpur	qmat2024_020	Entanglement signatures of a percolating quantum system
24	QMAT2024_0040	Mrs Athira Raghu	UGC DAE CSR Mumbai Centre	qmat2024_166	Exploring microscopic origin of ferroelectric and magnetic properties in Lu <sub>2</sub> CoMnO <sub>6</sub>
25	QMAT2024_0041	Mr Sanjay Sarkar	Indian Institute of Technology Kanpur	qmat2024_039	Resonant bulk photogalvanic effect in centrosymmetric metals
26	QMAT2024_0042	Mr Sunit Das	Indian Institute of Technology Kanpur	qmat2024_030	Planar Hall Effect in Quasi-Two-Dimensional Materials
27	QMAT2024_0043	Mr Sayan Sarkar	Indian Institute Of technology	qmat2024_019	Light Induced Resonant Nonlinear Spin Magnetization
28	QMAT2024_0044	Ms Akshata Magar	IISER Thiruvananthapuram	qmat2024_032	Double magnetic transitions, complex field induce phases, and large magnetocaloric effect in the frustrated garnet compound Mn <sub>3</sub> Cr <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub>
29	QMAT2024_0045	Ms Harsimran Kaur Mann	Indian Institute of Science	qmat2024_145	Optical control of multiple resistance levels in graphene for memristic applications
30	QMAT2024_0046	Ms Rupalipriyadarsini Chhatoi	National Institute of Science Education and Research	qmat2024_117	Magneto-elastic coupling effect in Co <sub>2</sub> FeAl Heusler alloy deposited on flexible polyimide

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
31	QMAT2024_0048	Mr Ratiranjan Samal	National Institute of Science Education and Research (NISER), Bhubaneswar	qmat2024_040	Observation of Magnetic Skyrmions and Unusual Transport Phenomena in Tetragonal Ferrimagnet Mn <sub>2</sub> Sb
32	QMAT2024_0049	Mr Suvronil Datta	IISc, Bangalore	qmat2024_130	Nonlinear electrical transport unveils Fermi surface malleability in a moiré heterostructure
33	QMAT2024_0050	Mr Harsh Varshney	Indian Institute of Technology Kanpur	qmat2024_051	Quantum kinetic theory of the nonlinear thermal currents
34	QMAT2024_0051	Mr Sourin Chatterjee	Indian Institute of Technology Madras	qmat2024_063	Symmetric Spin Liquids on the Trellis Lattice
35	QMAT2024_0052	Mr Priyanuj Rajbongshi	Indian Institute of Technology, Tirupati	qmat2024_083	Topological Properties in a Curved Space-Time Su-Schrieffer-Heeger Model
36	QMAT2024_0055	Ms Sonia Deswal	IIT Mandi	qmat2024_017	Frustrated spin-1 triangular lattice antiferromagnet Ca <sub>3</sub> NiNb <sub>2</sub> O <sub>9</sub> : A proximate spin liquid
37	QMAT2024_0060	Mr Manavendra Pratap Singh	Indian Institute of Science (IISc)	qmat2024_069	Fabrication of trench array of different depths and their application in the enhancement of the Raman & Photoluminescence intensity of monolayer MoS <sub>2</sub>
38	QMAT2024_0063	Mr Md Junaid Afsar Jami	IIT Bombay	qmat2024_021	Data mining and high-throughput approach for the search of new binary rare-earth free permanent magnets
39	QMAT2024_0064	Mr AFSAR REJA	IISc Bangalore	qmat2024_022	Emergence of tunable exceptional points in altermagnet-ferromagnet junctions
40	QMAT2024_0070	Mr Atul Gangaram Chakkar	Indian Institute of Technology (IIT), Mandi	qmat2024_043	Tunable interaction between phonons and the continuum in Cr <sub>2</sub> Ge <sub>2</sub> Te <sub>6</sub> : a possible 2D magnetic material for quantum sensing
41	QMAT2024_0071	Ms Akansha Thakur	Birla Institute of Technology and Science	qmat2024_183	Effect of Rashba Spin orbit coupling on monolayer and bilayer graphene
42	QMAT2024_0072	Mr Sayan Banik	National Institute of Science Education of Research	qmat2024_054	Topological Magnetism and Superconductivity in Magnet-Superconductor Hybrid Systems
43	QMAT2024_0073	Mr Afsar Ahmed	Saha Institute of Nuclear Physics	qmat2024_065	Rare coexistence of Griffiths phase and spin glass state with intrinsic dominant anomalous Hall in inverse Heusler alloy Mn <sub>2</sub> PdIn
44	QMAT2024_0074	Ms Minakshi Subhadarshini	Institute of Physics, Bhubaneswar	qmat2024_025	Exploring topological phase transitions via Josephson current in p-wave superconductors with magnetic-textured barriers
45	QMAT2024_0076	Mr Subhankar De	S. N. Bose National Centre for Basic Sciences	qmat2024_109	Electric field-driven conformational modifications in metal-molecule-metal junction.

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
46	QMAT2024_0077	Mr Sunil Gangwar	IIT Mandi	qmat2024_026	Anomalous Hall effect and thermal transport in the magnetic nodal line semimetals: Mn <sub>3</sub> XC (X = Sn, Ga)
47	QMAT2024_0080	Mr Safikul Islam	IIT Kharagpur	qmat2024_027	Anomalous Hall effect in disordered Co <sub>2</sub> TiSi Heusler alloy thin film: An Experimental and DFT study
48	QMAT2024_0083	Ms Sulagna Ghosh	Variable Energy Cyclotron Centre	qmat2024_041	Adsorption of H <sub>2</sub> Molecules over Hexagonal Boron Nitride Monolayer: A Combined DFT and Kinetic Monte-Carlo Study
49	QMAT2024_0086	Ms Sampurna Karmakar	IISER Kolkata	qmat2024_169	Quantization of Thermal Hall Conductance under Edge Reconstruction
50	QMAT2024_0088	Mr Biswajit Paul	National Institute Of Science Education And Research, Bhubaneswar	qmat2024_056	Realizing non-trivial doublon formation using a quantum computer
51	QMAT2024_0089	Ms jYOTI BISHT	Jawaharlal Nehru University	qmat2024_033	Transmigration of Edge States with Interaction in Su-Schrieffer-Heeger Chain
52	QMAT2024_0090	Ms Pragati Mukesh Pherwani	UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH	qmat2024_199	Magnetization and neutron characterization of Kagome compound Nd <sub>3</sub> Sb <sub>3</sub> Mg <sub>2</sub> O <sub>14</sub>
53	QMAT2024_0091	Mr NIRMALYA JANA	IIT KANPUR	qmat2024_086	Topologically protected antiferromagnetic metal
54	QMAT2024_0094	Ms Gandhi	BITS Pilani, Pilani	qmat2024_079	Pairing Effects on Non-Hermitian Quasicrystals with Power Law Hopping
55	QMAT2024_0095	Mr Sanu Kumar Gangwar	IIT Guwahati	qmat2024_110	Effect of spin-orbit and Rabi coupling on the modulational instability of spin-1 Bose-Einstein condensates
56	QMAT2024_0098	Ms Swati Shaw	Iit Guwahati	qmat2024_222	Performance Parameters of Infra-red and Visible-active MXene Photocatalysts for Water Splitting
57	QMAT2024_0099	Ms Smitarani Mishra	IIT Tirupati	qmat2024_082	von Neumann entropy and quantum version of thermodynamic entropy
58	QMAT2024_0100	Mr Koushik Ghorai	Indian Institute of Technology Kanpur	qmat2024_193	Planar Hall Effect in Quasi-Two-Dimensional Materials
59	QMAT2024_0102	Ms Rajashri Parida	NISER, Bhubaneswar	qmat2024_066	Interaction driven topological phase transitions of hardcore bosons on a two-leg ladder
60	QMAT2024_0103	Ms Trushna Truptirekha Nayak	NISER, Bhubaneswar	qmat2024_087	Magnetic and transport properties of electron-doped triangular antiferromagnetic Mn <sub>3</sub> Sn.
61	QMAT2024_0104	Mr Subhajit Pramanick	Indian Institute of Technology Kharagpur	qmat2024_064	Exploring anisotropic superconductivity in a ternary boride superconductor through Migdal-Eliashberg theory

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
62	QMAT2024_0105	Mr KAZI PARVEZ ISLAM	IIT KHARAGPUR	qmat2024_045	Origin of peculiar exchange bias phenomena in a hole doped rare-earth double perovskite series
63	QMAT2024_0106	Ms Priyanka Maji	Indian Institute of Technology Kharagpur	qmat2024_194	Origin of resistive state switching in titanate spinel with low threshold electric-field
64	QMAT2024_0107	Mr Nasaru Khan	Indian Institute of Technology Mandi	qmat2024_047	Topological and antiferromagnetic ordering in two-dimensional van der Waals crystals of $(\text{Ni}_x\text{Fe}_{1-x})_2\text{P}_2\text{S}_6$ probed by Raman spectroscopy
65	QMAT2024_0109	Mr Vaibhav kumar Singh	IIT Tirupati	qmat2024_053	Quantum magnetism of $J_{\text{eff}} = 1/2$ 2D Square lattice magnets.
66	QMAT2024_0110	Mr JYOTIRMAY MAITY	Indian Institute of science, Bangalore	qmat2024_049	Beyond being free: glassy dynamics of $\text{SrTiO}_3$ -based two-dimensional electron gas
67	QMAT2024_0112	Mr J Sridhar Mohanty	SN Bose National Institute for Basic Sciences	qmat2024_050	Subjugating extensive magnetostructural temperature window and giant magnetocaloric effect in B-doped $\text{MnNiSi}$ hexagonal system
68	QMAT2024_0113	Ms Madhusmita Bhuyan	Sambalpur University	qmat2024_067	Enhanced Dielectric Performance of ZIF-8 through Nanoparticle Integration
69	QMAT2024_0114	Ms Smrutirekha Sahoo	Sambalpur University	qmat2024_068	Multifunctional Graphene-Based metal oxide Nanocomposites towards Dielectric, Magnetic and Photocatalytic Activity
70	QMAT2024_0115	Ms ANUPAMA S	IISER Pune	qmat2024_052	Strong spin-lattice coupling in two-dimensional $\text{CrTe}_2$
71	QMAT2024_0117	Mr Umakanta Patra	IIT Bombay	qmat2024_061	Large area continuous bilayer $\text{MoS}_2$ film grown by chemical vapour deposition technique and their Field effect transistor performance.
72	QMAT2024_0119	Mr Shawan Kumar Jha	Indian Institute of Technology Guwahati	qmat2024_150	Energy spectra and fluxes of two dimensional turbulent quantum droplets
73	QMAT2024_0120	Ms Arzuman Rahman	School of Physical Sciences, Jawaharlal Nehru University	qmat2024_059	Tuning of magnetic and transport behavior in $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{Pr}_2\text{Ir}_2\text{O}_7$ bilayer: Role of interfacial Dzyaloshinskii-Moriya interactions
74	QMAT2024_0122	Mr Ratnamay Kolay	IISER Thiruvananthapuram	qmat2024_060	Ground-state properties of the double trillium lattice antiferromagnet $\text{KBaCr}_2(\text{PO}_4)_3$
75	QMAT2024_0123	Mr Sara Shivalingam Goud	IIT Bombay	qmat2024_138	Role of spin-orbit coupling on thermoelectric transport properties of NbFe-based half-Heusler alloys

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
76	QMAT2024_0124	Mr SOURAV RUDRA	Jawaharlal Nehru Centre for Advanced Scientific Research	qmat2024_062	Impact of Band-ordering Reversal and Scattering Mechanisms on Carrier Mobility in Scandium Nitride
77	QMAT2024_0126	Ms Subingya Pandey	Iit Guwahati	qmat2024_128	Progress in Next-Generation Biomedical Implants through Pulsed Laser Deposition Surface Coatings
78	QMAT2024_0127	Mr Momin Hrangbung	Manipur University	qmat2024_107	Ultracold bosons in 2D optical lattices with long-range interactions and synthetic gauge potential
79	QMAT2024_0128	Mr Kohenjit Pebam	University	qmat2024_119	Phase diagram of disordered extended Bose Hubbard model
80	QMAT2024_0129	Ms Ronika Sarkar	Indian Institute of Science	qmat2024_080	Emergence of two-fold non-Hermitian spectral topology through synthetic spin engineering
81	QMAT2024_0133	Ms Sharma	Birla Institute of Technology and Science, Pilani	qmat2024_155	Integrability and Periodic Driving in Quantum Metrology
82	QMAT2024_0134	Ms Renna Shakir		qmat2024_090	Halogen Modification of Single-Atom Catalysts for Enhanced Electrocatalytic Hydrogen Evolution Reaction
83	QMAT2024_0135	Ms Ekta kushwaha	Rajiv Gandhi Institute Of Petroleum Technology	qmat2024_071	Exploring Magnetic Excitations in a Trimmer Ruthenate, Ba <sub>5</sub> Ru <sub>3</sub> O <sub>12</sub> through Inelastic Neutron Scattering
84	QMAT2024_0136	Mr Sachchidanand Das	University of Hyderabad	qmat2024_074	Crossed Andreev reflection in altermagnets
85	QMAT2024_0137	Mr Arnav Pushkar	Jawaharlal Nehru University	qmat2024_072	Low-temperature theory of inversion and quantum oscillation in Kondo insulators.
86	QMAT2024_0138	Mr Bijay Kumar Sahoo	University of Hyderabad	qmat2024_075	Persistent currents in mesoscopic spin-orbit coupled rings due to an applied Zeeman field
87	QMAT2024_0138	Mr Bijay Kumar Sahoo	University of Hyderabad	qmat2024_076	Persistent currents in mesoscopic spin-orbit coupled rings due to an applied Zeeman field
88	QMAT2024_0139	Mr Sankalp Kumar	IIT Bombay	qmat2024_078	Entanglement Study of SU(N) Quantum Spin Chain: Connection to Classical O(N) Loop Models
89	QMAT2024_0140	Mr Sayan Ghosh	Rajiv Gandhi Institute of Petroleum Technology, Jais, India	qmat2024_077	Study of the complex spin dynamics of Ba <sub>3</sub> NdRu <sub>2</sub> O <sub>9</sub> , through muon spin relaxation
90	QMAT2024_0141	Mrs Kamini Bharti	IIT Kharagpur	qmat2024_116	Investigation of Optical and Electrical properties of CVD grown MoS <sub>2</sub> (1- $\lambda$ ) $\epsilon$ TM <sub>x</sub> Se <sub>2x</sub>

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
91	QMAT2024_0142	Mr Palash Nandi	Indian Institute of Technology Kharagpur	qmat2024_142	Effect of W doping on Structural, Dielectric and Magnetic properties of Co-Zn Spinel Ferrites
92	QMAT2024_0146	Dr Kabyashree Sonowal	Philipps-Universität Marburg	qmat2024_121	Nonlinear ac Hall effect in two-dimensional superconductors
93	QMAT2024_0147	Mr Koustav Roy	Indian institute of technology Guwahati	qmat2024_084	Single and multi-frequency driving protocols in a Rashba nanowire proximitized to a s-wave superconductor
94	QMAT2024_0148	Ms Shreya Debnath	Indian Institute of Technology Guwahati	qmat2024_085	Study of Magnon Band Topology in Antiferromagnets
95	QMAT2024_0149	Mr Soujanya Datta	Saha Institute of Nuclear Physics	qmat2024_122	Anomalous Landau Levels in Generic Three-band Hamiltonians
96	QMAT2024_0150	Mr RAFIQU ALAM	S N Bose National centre for basic science	qmat2024_089	Interplay between charge density wave(CDW) and topological properties in 1T-TaS <sub>2</sub>
97	QMAT2024_0151	Ms Sadaf Sadaf	University of Hyderabad	qmat2024_113	Quantum Correlation and entanglement in Cluster X-Y spin-chains in 1-D.
98	QMAT2024_0153	Mr Sarvesh Shamsundar Medhekar	Indian Institute of Science (IISc), Bangalore	qmat2024_135	Coupled electron-phonon dynamics in polar semiconductors: A first-principles Boltzmann transport approach
99	QMAT2024_0155	Mr Sudipta Biswas	IIT Kharagpur	qmat2024_100	Inhomogeneous Phase Stiffness Driven Reduction of Critical Temperature in 2D Disordered Superconductors
100	QMAT2024_0156	Mr Atanu Jana	NISER	qmat2024_184	Universal properties of single-particle excitations across the many-body localization transition
101	QMAT2024_0158	Ms Samiksha Samiksha	IIT Bombay	qmat2024_115	Thermal Annealing Induced Enhancement of Electrical Performance in PDMS Assisted Exfoliated multilayer MoS <sub>2</sub> based Field Effect Transistor
102	QMAT2024_0160	Mr SAYAK BHOWMIK	Institute of Physics (IOP), Bhubaneswar	qmat2024_095	Realizing Fulde-Ferrell-Larkin-Ovchinnikov pairing assisted topological Majorana zero modes and superconducting diode effect in helical Shiba chain
103	QMAT2024_0161	Mr Deep SinghaRoy	Indian Association for the Cultivation of Science	qmat2024_127	Room-temperature topological phase transition with Pöschel-Talbot instability in a quasi-one-dimensional Bi <sub>4</sub> I <sub>4</sub>

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
104	QMAT2024_0162	Mr Ravi Kiran	IIT Kharagpur	qmat2024_162	Critical Phenomena and Yu-Shiba-Rusinov States in a 2D Square-Octagon Lattice: A Bogoliubov-de Gennes Study
105	QMAT2024_0163	Mr SASHIKANTA MOHAPATRA	The Institute of Mathematical Sciences, Chennai	qmat2024_097	Generic construction of volume-law entangled eigenstates in spin Hamiltonians
106	QMAT2024_0164	Ms Srinidhi S	BITS Pilani	qmat2024_098	Quasi-Majorana Zero Modes in Kitaev Chains: The Role of Next-Nearest-Neighbor Couplings on Square Lattices
107	QMAT2024_0165	Mr SOVAN GHOSH	IISER Kolkata	qmat2024_099	Orbital Hall Conductivity in a Graphene/Haldane and Haldane/Haldane Bilayers
108	QMAT2024_0166	Ms Ishita Modak	IIT Bombay	qmat2024_102	An internal clock perspective of the dynamics of disordered quantum many-body systems.
109	QMAT2024_0167	Ms Bhumika Thoudam	Manipur University	qmat2024_105	Quench dynamics of two-component quantum gases in optical lattice
110	QMAT2024_0168	Mr Hemant Kumar Sharma	Institute of Physics	qmat2024_104	Emerging topology in a hybrid SSH model due to the competition between higher order hopping and spin-orbit coupling
111	QMAT2024_0172	Mr Nalinikanta Pradhan	IIT Guwahati	qmat2024_108	Cavity optomechanical detection of persistent currents and solitons in a bosonic ring condensate.
112	QMAT2024_0173	Mr Sankalpa Bora	Harish-Chandra Research Institute	qmat2024_181	Theoretical quest for type-II band edge alignment and higher excitonic radiative lifetime of $\text{KBi}(\text{PS}_3)_2/\text{NaSb}(\text{PS}_3)_2$ : An insight from strain manipulation
113	QMAT2024_0174	Ms Ashita K Baburaj	Indian Institute of Science, Bangalore, Karnataka, India	qmat2024_136	First principles prediction of anharmonic phonon lineshapes and free energies in alkali halides beyond the quasiharmonic approximation..
114	QMAT2024_0175	Ms ANGOM LAXMI DEVI	MANIPUR UNIVERSITY	qmat2024_112	Enhancement of localization in 2D-disordered optical lattice due to long-range interactions
115	QMAT2024_0176	Mr Debmalya Mukhopadhyay	Jawaharlal Nehru Centre For Advanced Scientific Research	qmat2024_144	Flexible Near-Infrared Plasmon-Polaritons and Electronic Transport in Scandium Nitride
116	QMAT2024_0178	Ms Ranju D	Indian Institute of Science (IISc), Bangalore	qmat2024_123	Understanding the Dynamics and Correlations of Intralayer Moiré Excitons in $\text{WSe}_2/\text{WS}_2$ Heterostructure
117	QMAT2024_0179	Mr Vivek Kumar	Indian Institute of Science (IISc), Bangalore	qmat2024_124	Layered Growth of 2D Magnetic Material
118	QMAT2024_0180	Ms Srijata Lahiri	IIT Guwahati	qmat2024_126	Competing topological phases in a non-Hermitian time-reversal symmetry-broken Bernevig-Hughes-Zhang model



### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
119	QMAT2024_0181	Mr Keshav Sharma	IIT Mandi	qmat2024_132	Low temperature Electrical and Thermal transport studies of 4H-NbSe <sub>2</sub> crystals
120	QMAT2024_0183	Mr Mohit Kumar Jat	IISc Bangalore	qmat2024_129	Higher order gaps in the renormalized band structure of doubly aligned hBN/bilayer graphene moiré superlattice.
121	QMAT2024_0184	Mr Abhijeet Mishra	Harish Chandra Research Institute	qmat2024_148	Theoretical Prediction of novel 2D Rashba Systems based on Inverse Design Approach
122	QMAT2024_0185	Ms TANIMA CHANDA	Indian Institution of Science , Bangalore	qmat2024_134	Universality of Quantum Phase Transitions in the Integer and Fractional Quantum Hall Regimes
123	QMAT2024_0186	Mr NIVASH R	BITS Pilani, Pilani Campus	qmat2024_149	Probing topological phase transitions in Aubry-Andre-Harper model via high-harmonic generation
124	QMAT2024_0187	Ms TANDRIMA MITRA	Indian Institute of Technology Guwahati	qmat2024_133	Efficient and Affordable Fabrication of Low Entropy Oxide: Exploiting Dual Band Gap Characteristics for Future Optoelectronic Devices
125	QMAT2024_0188	Ms Prarena Jamwal	IIT Ropar	qmat2024_137	Enhancement of superconductivity in Zr <sub>2</sub> S <sub>2</sub> C arising from phonon softening on transition from bulk to monolayer
126	QMAT2024_0189	Dr Joydeep Majhi	IIT Bombay	qmat2024_139	Investigating Magnetocaloric Properties and Magnetic Anisotropy in NdMnO <sub>3</sub> Perovskite: A Computational Study
127	QMAT2024_0190	Mr ASHES SHIT	INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR	qmat2024_153	Study on Exchange Bias effect in double perovskite Sm <sub>2</sub> FeCrO <sub>6</sub> owing to structural deformation-induced multiple magnetic phases
128	QMAT2024_0191	Ms Ayushi Tripathi	Harish chandra research institute , chhatnag road jhansi , allahabad	qmat2024_143	Efficient Ultrathin Solar Cells Based on TiS <sub>3</sub> -NbS <sub>3</sub> Van der Waals Hetero-surface
129	QMAT2024_0192	Mr RAJDEEP BISWAS	S.N. Bose National Centre for Basic Sciences	qmat2024_167	Investigating Topological Ferromagnetism in RMn <sub>6</sub> Sn <sub>6</sub> (R = Lu, Mg) Kagome Lattices: Impact of Dimensionality Reduction
130	QMAT2024_0193	Mr Sudipta Majumder	IISER Pune	qmat2024_151	Correlation between chalcogen defects and electronic transport in Mo foil Grown monolayer MoS <sub>2</sub> devices
131	QMAT2024_0194	Mr Sourav Mandal	Indian Institute of Technology Guwahati	qmat2024_146	Tuning the Properties of MnAl Alloy for Rare Earth Free Magnet Applications

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
132	QMAT2024_0195	Mr Debarghya Dutta	IIT Bombay	qmat2024_161	Electronic and magnetic properties of Sr <sub>2</sub> FeTiO <sub>6</sub> implementing ab initio density functional theory
133	QMAT2024_0196	Ms Debashree Nayak	National Institute of Science Education and Research	qmat2024_147	Josephson Junctions with ferromagnet-Heavy metal barrier
134	QMAT2024_0198	Mr SOUMYA RANJAN PADHI	National Institute Of Science Education and Research	qmat2024_159	Localization transition in non-Hermitian quasicrystals with long-range hopping
135	QMAT2024_0200	Mr Sandip Halder	Saha Institute of Nuclear Physics	qmat2024_154	Layer Resolved Magnetotransport Properties in Antiferromagnetic/Paramagnetic Superlattices
136	QMAT2024_0201	Mr Soumya Darshan Swain	Indian Institute of Science, Bangalore, India	qmat2024_152	Ultrafast Transient Phonon Dynamics in Complex Crystals Predicted Using Deep Learning-accelerated First Principles Computations
137	QMAT2024_0203	Dr Amrita Mukherjee	TIFR, Mumbai	qmat2024_156	Designing higher-order saddle points and flat bands by long range hopping in kagome lattice
138	QMAT2024_0204	Mr Borgohain	Harish Chandra Research Institute, Prayagraj	qmat2024_179	Stain induced evolution of band edge alignment and excitonic lifetime in vdW heterostructure: A case study of CrMo <sub>3</sub> S <sub>8</sub> /CrW <sub>3</sub> S <sub>8</sub>
139	QMAT2024_0206	Mr Sayan Paul	JNCASR	qmat2024_164	Tuning Optical Phonons: An approach to achieve ultralow lattice thermal conductivity in TIIn <sub>0.5</sub> Ga <sub>0.5</sub> Te <sub>2</sub>
140	QMAT2024_0207	Ms Anju	SVNIT	qmat2024_165	Exploring Charge Transfer and Energy Levels in TCPP2+ Complexes: Insights from HOMO-LUMO Analysis
141	QMAT2024_0209	Ms TANIMA KUNDU	INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE	qmat2024_177	Modulation of Structural and Electronic Phases in Two-dimensional PdSe <sub>2</sub>
142	QMAT2024_0210	Mr RAHUL PARAMANIK	INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE	qmat2024_172	Unraveling the electronic structure of GeS correlated with optical and transport anisotropy
143	QMAT2024_0211	Mr Sheikh Moonsun Pervez	Institute of Physics Bhubaneswar	qmat2024_203	Quantum Otto engine using Kitaev clusters
144	QMAT2024_0212	Ms Divya Sahani	Indian institute of science bangalore	qmat2024_168	Giant gate-controlled room temperature odd-parity magnetoresistance in magnetized bilayer graphene
145	QMAT2024_0213	Mr RAHUL GHOSH	National Institute of Science Education and Research, Bhubaneswar	qmat2024_170	Study of interaction-driven phases in the half-filled Two-Dimensional Su-Schrieffer-Heeger model

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
146	QMAT2024_0215	Mr Vinod Kumar Solet	IIT Mandi	qmat2024_175	Assessing the performance of Mg <sub>2</sub> Si and Ca <sub>2</sub> Si solar materials from many-body Bethe-Salpeter and defect-assisted efficiency calculations
147	QMAT2024_0216	Ms Aruna Gupta	Birla Institute of Technology and Science Pilani	qmat2024_182	Transport properties of the 2D SSH in Quantum Hall Regime
148	QMAT2024_0217	Mr Arnab Das	IIT Kanpur	qmat2024_191	Effect of doping on the chiral orbital currents of colossal magnetoresistance candidate material: Mn <sub>3</sub> Si <sub>2</sub> Te <sub>6</sub>
149	QMAT2024_0218	Ms Tithiparna Das	IIT Kanpur	qmat2024_190	Emergence of Quantum Criticality in magnetic topological insulator
150	QMAT2024_0220	Mr Akash Dey	NISER Bhubaneswar	qmat2024_185	Electric Field Driven Spin Polarisation in High Symmetry Surfaces of 2D Non-magnetic Materials
151	QMAT2024_0221	Mr Sitaram Maity	NISER BHUBANESWAR	qmat2024_192	Restoration of Aharonov-Bohm Caging and Inverse Anderson Transition in Interacting Bosonic Systems
152	QMAT2024_0222	Ms Gohil	TATA INSTITUTE OF FUNDAMENTAL RESEARCH	qmat2024_230	Magnetic properties of a rare-earth dichalcogenide compound, TbSe <sub>2</sub>
153	QMAT2024_0223	Mr Subhajit Sau	Indian Institute of Technology Hyderabad	qmat2024_205	Polymorphic Ferroelectric Properties in Layered Antiferromagnet Cu(OH)F
154	QMAT2024_0224	Mr Akshay Kamble	UGC-DAE CSR, Mumbai Centre	qmat2024_195	Evolution of Structural and Magnetic Properties in Fe <sub>1-x</sub> V <sub>x</sub> Al (0 ≤ x ≤ 1) Alloys
155	QMAT2024_0227	Dr Manasa Kalla	NISER	qmat2024_310	Effect of inter coulomb interaction on the transport properties of a single molecular transistor in the presence of electron-phonon interaction
156	QMAT2024_0229	Mr Mrinal Kanti Sarkar	Tata Institute of Fundamental Research	qmat2024_198	Signature of criticality in angular momentum resolved entanglement of scalar fields in $d > 1$
157	QMAT2024_0231	Mr Arghya Dutta	Tata Institute of Fundamental Research	qmat2024_235	Characterization of superconducting thin films using Planar Microwave resonator
158	QMAT2024_0232	Ms Laishram Anamika Devi	Indian Institute of Technology, Bombay	qmat2024_202	Comparative Simulation of Piezoelectric Output at Different Inclinations in ZnO, BaTiO <sub>3</sub> , and PZT-4 Nanorods for the Development of Tactile Sensors
159	QMAT2024_0233	Ms Najnin Bano	UGC-DAE CSR, Indore	qmat2024_208	Longitudinal and transverse conductivity measurements across the Verwey transition in Fe <sub>3</sub> O <sub>4</sub> thin film

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
160	QMAT2024_0236	Mr Shashank Srivastava	Indian Institute of Science Education and Research Bhopal	qmat2024_249	Role of Spin-Orbit coupling in topological candidates: A Case Study of Pb <sub>2</sub> -xBiPd
161	QMAT2024_0238	Ms Puspita Parui	IISER KOLKATA	qmat2024_267	Rashba spin-orbit coupling induced quantum valley anomalous hall phases in pseudospin-1 dirac fermions
162	QMAT2024_0244	Dr MANJU MADHUSOODANA N	UNIVERSITY OF HYDERABAD	qmat2024_218	Unveiling the phonon topological features of inter-alkali metal sulphides RbXS (X=Li, Na)
163	QMAT2024_0245	Mr Amar Chandrashekhar Verma	UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Kalina campus, Santacruz (E), Mumbai 400098	qmat2024_210	BKT phase transition in mildly disordered superconducting anti-dot films of NbN
164	QMAT2024_0250	Mr Akash Mitra	Variable Energy Cyclotron Centre	qmat2024_229	Ergotropy, bound energy and entanglement in 1D long range Kitaev model
165	QMAT2024_0251	Mr Bikram Keshari Behera	University of Hyderabad	qmat2024_257	Measuring quantum efficiency of Photo-Carnot Engine via vanishing quantum coherence in a lossy cavity.
166	QMAT2024_0253	Ms Sushmita Saha	Indian Institute of Technology, Indore	qmat2024_209	Floquet-Engineered Valley-Topotronics in Kekul'e -Y Bond Textured Graphene Superlattice
167	QMAT2024_0255	Mr SUBRATA PAUL	SAHA INSTITUTE OF NUCLEAR PHYSICS	qmat2024_236	An electron microscopic approach for imaging surface antiferromagnetic domains
168	QMAT2024_0256	Ms Aiswarya T	University of Hyderabad	qmat2024_215	Coexistence of Electron and phonon topology in Perovskite SrRuO <sub>3</sub>
169	QMAT2024_0257	Mr Aminul Hussain	IIT DHANBAD	qmat2024_213	Topological Phases of Conduction Band Modified p-wave Periodic Anderson Model
170	QMAT2024_0259	Ms Debasmita Bala	NIT Andhra Pradesh	qmat2024_275	Glassy behaviour and correlated magnetic properties enhanced with Bi substitution at A-site in La <sub>2</sub> NiMnO <sub>6</sub>
171	QMAT2024_0260	Ms Nisa Ara	BITS, K K Birla Goa Campus	qmat2024_231	Flat bands in Creutz ladder with Carroll symmetries
172	QMAT2024_0261	Ms Nazma Firdosh	Indian Institute of Technology Delhi	qmat2024_274	Canted antiferromagnetic order in MnBi <sub>4</sub> Te <sub>7</sub> single crystals
173	QMAT2024_0262	Ms Bandita Das	IISER BERHAMPUR	qmat2024_217	Discrete time crystals in presence of Non-Makovian Dynamics
174	QMAT2024_0264	Mr Mahesh Balaji Balwade	IIT Bombay	qmat2024_214	Theoretical study of the electronic, magnetic, and transport properties of 3d transitional metal (Fe, Co) doped Bi <sub>2</sub> Te <sub>3</sub> using first-principles
175	QMAT2024_0265	Dr KANCHAN BALA	TIFR Mumbai	qmat2024_216	Structural and Magnetic Properties of SmAg <sub>2</sub> Ge <sub>2</sub> Single Crystal

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
176	QMAT2024_0266	Mr Sachin Negi	Indian Institute of Technology Guwahati	qmat2024_241	Developing quantum architectures for laser inscribed SiV based integrated quantum photonics in diamond.
177	QMAT2024_0268	Ms Harshita Singh	Indian Institute of Technology, Guwahati	qmat2024_227	Magnetic Compensation and Frequency Dispersion in Dynamical Susceptibility of Distorted Honeycomb Lattices
178	QMAT2024_0269	Ms Monikana Gope	IIT ROORKEE	qmat2024_220	Theory of Scanned Josephson Tunneling Microscopy on 2H-NbSe <sub>2</sub>
179	QMAT2024_0270	Mr JULFIKAR ALI SARKAR	Indian Institute of Technology Bombay	qmat2024_221	Nitrogen-doped Graphene Quantum Dots as an Effective Fluorescent Sensing Platform for Arsenic Ion Detection
180	QMAT2024_0274	Ms Arpita Deb Singha	IIT Guwahati	qmat2024_224	Canonical spin-glass dynamics in distorted Kagomé and Triangular lattices
181	QMAT2024_0275	Mr GUHA	IIT MANDI	qmat2024_253	Perovskite Quantum Dot-Based Memristors for Advanced Computational Architectures
182	QMAT2024_0277	Ms MONIKA BHAKAR	IISER MOHALI	qmat2024_228	Laser-induced structural modulation and superconductivity in SrTiO <sub>3</sub>
183	QMAT2024_0278	Mr Bikram Pain	International Centre for Theoretical Sciences	qmat2024_234	Entanglement dynamics and eigenstate correlations in strongly disordered quantum many-body systems
184	QMAT2024_0280	Mr Dipankar Pokhrel	Indian Institute of Technology Guwahati	qmat2024_287	Conduction Mechanism in Mott-Hubbard Insulator LaTiO <sub>3</sub>
185	QMAT2024_0281	Mr Nilotpal Deka	IIT Guwahati	qmat2024_238	Unveiling the photophysical properties of Mn-doped FAPbI <sub>3</sub> perovskites via a First-Principles Study
186	QMAT2024_0284	Mr Saifian Farooq Bhat	Indian Institute Of Technology Guwahati	qmat2024_240	Nitrogen vacancy defects in diamond as a promising candidate for quantum sensing
187	QMAT2024_0285	Mr Keshav Das Agarwal	Harish-Chandra Research Institute, Prayagraj	qmat2024_270	Revealing Transition in Fall-off Rates of spin-s Long-range Ising Models through Multiqudit Graph states
188	QMAT2024_0286	Mr Sk Soyeb Ali	Bennett University	qmat2024_243	Strain induced electronic and magnetic transition in S=3/2 antiferromagnetic spin chain compound SbCrS <sub>3</sub>
189	QMAT2024_0287	Mr Arijit Datta	IIT Guwahati	qmat2024_244	Enhanced Negative Magnetization in Ferrimagnetic Cobalt-Orthotitanate: Role of Jahn-Teller Active 2D5/2g <sub>6g</sub> -e <sup>TM</sup> Cu
190	QMAT2024_0288	Ms Imlinola Jamir	NIT Nagaland	qmat2024_245	Influence of Ni <sup>2+</sup> Substitution on Microwave X-Band Radiation Losses in Y-Type Hexaferrites

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
191	QMAT2024_0289	Mr Abhirup Mukherjee	Indian Institute of Science Education and Research Kolkata	qmat2024_252	New Auxiliary Model Approach Towards Studying Correlated Electrons: Insights on pseudogap regime and non-Fermi liquid at $\tilde{A}, \tilde{A}^{1/2}$ -filling
192	QMAT2024_0290	Ms Gongotree Phukan	National Institute of Technology Nagaland	qmat2024_247	Anisotropy and Dipolar Interaction Tunable CuFe <sub>2</sub> O <sub>4</sub> Nanoparticle for Magnetic Hyperthermia
193	QMAT2024_0292	Ms SWAYANG PRIYA MAHANTA	NISER	qmat2024_288	Spinterface Mediated Magnetic Properties of Co <sub>20</sub> Fe <sub>60</sub> B <sub>20</sub> /Alq <sub>3</sub> Heterostructures
194	QMAT2024_0293	Mr KSHITIJ SINGH RATHORE	NISER	qmat2024_273	Magnon mediated spin pumping by coupled ferrimagnetic garnets heterostructure
195	QMAT2024_0295	Mr Himanshu Murari	Indian Institute of Technology Guwahati	qmat2024_248	Symmetry lowering through surface engineering and improved thermoelectric properties in Janus MXenes.
196	QMAT2024_0296	Ms Latika Juneja	Indian Institute of Technology, Guwahati	qmat2024_250	Luminescent metal halide perovskite nanocrystals, their stability and applications.
197	QMAT2024_0297	Ms Poulami Manna	Indian Institute of Science Education and Research Bhopal	qmat2024_251	Superconductivity in In-Sn system
198	QMAT2024_0298	Mr Brijesh Singh Mehra	IISER Bhopal	qmat2024_255	Terahertz frequency dominant myriad of magnons, hybridized magnon-phonons and magnetoelectric effect in honeycomb magnet Co <sub>4</sub> Ta <sub>2</sub> O <sub>9</sub>
199	QMAT2024_0299	Mr Debabrata Sahu	Indian Institute of Technology Guwahati	qmat2024_256	Optimized Memristors Using Mixed Cation Perovskite FA <sub>0.90</sub> Cs <sub>0.10</sub> PbI <sub>3</sub> with High On-Off Ratio and Low Power Consumption
200	QMAT2024_0300	Mr Debraj Debata	IISER Kolkata	qmat2024_283	Competition between Entanglement and Symmetry Breaking in Kondo Effect under the Influence of local Magnetic field
201	QMAT2024_0301	Ms Garima Choudhary	IIT Guwahati	qmat2024_258	Exploiting Two-Dimensional Bi <sub>2</sub> Te <sub>3</sub> Topological Insulator Metamaterials for Advanced Terahertz Applications
202	QMAT2024_0302	Mr Sanju Nandi	INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI	qmat2024_260	Defect-Engineered Bi <sub>2</sub> Te <sub>3</sub> Ultrathin Film-based Optoelectronic Synapses for Neuromorphic Computing
203	QMAT2024_0305	Mr Pratyay Mukherjee	IIT Dhanbad	qmat2024_269	Field-derivative Torque Induced Magnetization Reversal in Antiferromagnets and Ferrimagnets

### List of Participants Presenting Posters

SL. No	Registration ID	Name	Institute	Abstract ID	Paper Title
204	QMAT2024_0307	Mr Ayan Mondal	Indian Institute of Science Education and Research Kolkata	qmat2024_262	Pressure induced flatbands in large angle twisted bilayer graphene
205	QMAT2024_0308	Mr Sanjoy Sur Roy	IIT GUWAHATI	qmat2024_264	High green index electromagnetic interference shields with semiconducting Bi <sub>2</sub> S <sub>3</sub> fillers in a PEDOT:PSS matrix
206	QMAT2024_0309	Mr Ajoy Biswas	Indian Institute of Technology Bombay	qmat2024_296	Self-Powered Deep UV Photodetector Based on Si-doped n-(2 × 10 <sup>21</sup> ) Ga <sub>2</sub> O <sub>3</sub> Grown on p-(0001) GaN/Sapphire Substrates using PLD
207	QMAT2024_0311	Ms Sulagna Dutta	Tata institute of Fundamental Research, Mumbai	qmat2024_279	Development of 3-axis a low-cost compact cryogenic nanopositioner for low temperature scanning probe microscopy and point contact spectroscopy
208	QMAT2024_0316	Mr DIPENDU HALDER	INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI	qmat2024_281	Parsing skin effect in a non-Hermitian spinless two-orbital model and its circuit realization
209	QMAT2024_0319	Mr Apurba Maji	Indian Institute of Technology Guwahati	qmat2024_280	Magnetic properties of non-collinear Heusler antiferromagnet Ru <sub>2</sub> MnSi
210	QMAT2024_0320	Mr Sirsendu Ghosal	IIT Guwahati	qmat2024_278	Ultrahigh SERS Sensitivity of Niobium Pentoxide Nanoparticles Enabled by Oxygen Vacancy Engineering: Theoretical and Experimental Insights
211	QMAT2024_0325	Mr Pragalbh Kashyap	IIT Guwahati	qmat2024_289	Green-synthesis of Fluorescent Carbon Quantum Dots for application in sensing and ion detections
212	QMAT2024_0326	Mr Pramanik	IIT Guwahati	qmat2024_290	Magnetic and magnetic-transport property of NiCo <sub>2</sub> O <sub>4</sub> nanoparticles
213	QMAT2024_0327	Mr SUMAN KUMAR CHAKRABORTY	INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR	qmat2024_291	Phonon Dynamics in Reconstructed Moiré, A' Superlattice of Engineered 2D Lateral Heterostructures
214	QMAT2024_0336	Mr Shivam Sharma	Institute of Nano Science and Technology Mohali	qmat2024_300	Conflux of Spin Nernst and Hall effect in topological insulator
215	QMAT2024_0337	Mr Subhankar Debnath	IIT Guwahati	qmat2024_301	Two-dimensional material-based printed optoelectronic synapse for next-generation neuromorphic application
216	QMAT2024_0339	Mr Madan Mohan Mahana	Indian Institute of Technology Guwahati	qmat2024_303	Coherent population transfer with polariton states in circuit QED

**List of Participants Presenting Posters**

<b>SL. No</b>	<b>Registration ID</b>	<b>Name</b>	<b>Institute</b>	<b>Abstract ID</b>	<b>Paper Title</b>
217	QMAT2024_0340	Mr Barishan Das	IISER Bhopal	qmat2024_304	Restricted Boltzmann Machine approach to solve Quantum Many-Body problems
218	QMAT2024_0342	Mr Rony Boral	Indian Institute of Guwahati	qmat2024_305	Impurities induced vortex lattice melting and turbulence in rotating Bose-Einstein condensates.
219	QMAT2024_0344	Ms Shivangi Chugh	Tata Institute of Fundamental Research Mumbai	qmat2024_308	Non-equilibrium theory for pump-probe spectroscopy