

Poster No.	Name of the Participant	Affiliation	Title of the abstract
1	Aakash Dixit	University of Delhi	Observation of Delayed Fragmentation in Ion-Impact Ionization of Propene
2	Aananya Sahni	Keshav Mahavidyalaya, University of Delhi	Molecular line lists of astronomically significant molecules from potential energy and dipole moment curves using DUO
3	Abheek Roy	IISER Tirupati	Stability and Competing De-excitation Mechanisms of Photoexcited Biomolecular Anions
4	Aditya Yadav	IISER Bhopal	Study of Secondary Electron Emission from N ₂ O under Proton Impact Using Electron Spectroscopy
5	Akansha Singhal	IIT Roorkee	Extended calculations of transition parameters for doubly ionized Argon
6	Aman Gauttam	IPR Gandhinagar	Measurement of edge electron temperature of ADITYA-U Plasma via Argon spectral line ratio
7	AMRUTHA K	IIST Trivandrum	Quantum Metrology with Displaced Squeezed vacuum state in Mach-Zehnder Interferometer
8	Ankush Thakur	IIT Roorkee	P and T-odd interaction constants of YbX (X : Cu, Ag and Au) molecules using KRCI method
9	Anushree Dutta	Indian Association for the Cultivation of Science	Cold Atom-Molecule Interactions
10	Avnish Ola	University of Delhi	Investigation of Relativistic Electron-Impact Ionisation with the Delhi Penning Trap Setup
11	Bidhan Mandal	Ramakrishna Mission Residential College	Electron capture and ionization in ion-atom collision
12	Bratati Bhat	PRL Ahmedabad	Radiative Transfer Modeling of the Low-Mass Protobinary IRAS 4A: A1 and A2

13	Dipexa Modi	Pandit Deendayal Energy University Gujarat	Spectroscopic characterization of Glow discharge cleaning plasma of ADITYA-U tokamak
14	Dr. Thokala Soloman Raju	ICFAI Foundation for Higher Education Hyderabad	Autocorrelation traces in strongly coupled two-component Bose-Einstein condensates
15	Dr. Kavil Mehta	Physical Research Laboratory (PRL), Ahmedabad	Thomson Parabola Spectrometer with High Dynamic Range: Simulation, Fabrication, and Calibration
16	Dr. Neeraj Kumar	D. A. V. College, Muzaffarnagar, U.P.	Direct and Dissociative Electron Impact Ionization Cross sections for Buckminster Fullerene
17	Dr. Ritika Dagar	IIIT Bhopal	Investigating ultrafast nanoscale surface charge dynamics
18	Ekramul Hoque	Saha Institute of Nuclear Physics, Kolkata	Investigation of EIT, DROP, and Zeeman splitting in a ladder-type system of 87Rb atoms
19	Geetu Narang	Punjab University, Chandigarh	A comparison: Entanglement of electrons trapped in a 2D array of Planar Penning traps using Coulomb and Image charge coupling
20	Gorachand Das	TIFR Mumbai	Direct Electron Capture into a Delocalized σ^* Orbital: A New Paradigm for Controlling Chemical Reactions
21	Gorachand Das	TIFR Mumbai	Effect of a High Permanent Molecular Electric Dipole Moment on Low-Energy Electron-Molecule Scattering
22	Govind Singh	University of Delhi	Fragmentation patterns in ion-impact ionization of propene
23	Harpreet Singh	TIFR MUMBAI	Dissociation of Trifluoromethane trication induced by slow charged ion impact
24	Jatin Parashar	PRL Ahmedabad	Study of structured targets for enhanced ion acceleration in laser plasma acceleration scheme using PIC simulations
25	Kedar Mal	Inter-University Accelerator Centre	Design of Highly Harmonic Sub-mm Planar Penning Traps

26	KOUSTAV DAS CHAKLADAR	ALIAH UNIVERSITY	Structural and Information Theoretic Modification in Spherically Confined Few- Body Systems
27	Kripali Jain	Indian Institute of Technology Delhi	Precision Quantum Sensing with Field- Deployable Cold-Atom Interferometer
28	Manas Mondal	Ramakrishna Mission Residential College	Theoretical study of differential cross sections for the ionization of helium by fast proton impact
29	Manojit Das	TIFR Mumbai	State-selective electron capture processes in slow $C^{2+} - He$ collision
30	Navdeep Rana	Louisiana State University, Louisiana USA	Probing Thermally Driven Lattice Dynamics via High-harmonic spectroscopy
31	Nihar Ranjan Behera	Gothenburg University	Spin–Orbit–Resolved Electron Emission Time Delay in the Photoionization of Ar 3p
32	Nisha	IIT Delhi	High Precision Spectroscopy of alkali atoms for Applications in Quantum Technology
33	Nitish Ghosh	IIT Roorkee	Collisional–radiative diagnostics of laser- produced cadmium plasma
34	NITISH KUMAR	Indian Institute of Technology, Kanpur	K-LL Auger- Meitner emission in symmetric projectile ion- target molecule collision
35	Palki Gakkhar	Indian Institute of Technology Delhi	FSRCC study of clock transition properties and systematic shifts in Ca^{+} and Sr^{+} single ion optical clocks
36	Pooja Kumari	University of Delhi	Hydrogen scrambling and high propensity for multiple neutral emissions from 1,3-butadiene dication
37	Pranav Bhardwaj	European XFEL	A high repetition rate HHG source of ultrafast XUV pulses for the Soft-Xray Port instrument at the European XFEL
38	Priyabrata seth	Saha Institute of Nuclear Physics	Non-adiabatic resonant transients in electromagnetically induced transparency of hot Rb atoms under buffer background
39	Priyabrata seth	Saha Institute of Nuclear Physics	Correlated vortex generation in coherent medium

40	Riya Pal	PMSE, IIIT	A peak into the world of superheavy elements $Z \sim 130$ using X-ray emission from slow Ag-ions
41	Sanjeev Kumar Thakur	Inter University Accelerator Centre (IUAC), Delhi	Design, fabrication and testing of an axial resonator for non-destructive detection of Ar ⁺ ions in a Cylindrical Penning Trap
42	Sarika Patil	Defence Institute of Advanced Technology, Pune	Theoretical modeling of Quantum noise and squeezing in optical parametric oscillators
43	Shashank Singh	TIFR Mumbai	Electron emission cross-section from H ₂ O molecule by the impact of 600 keV bare helium ions
44	Shashank Singh	Institute for Plasma Research, Gandhinagar	Estimation of net outward neutral hydrogen atom flux in the ADITYA-U tokamak using a slab model and optimization of key parameters for the development of a time-of-flight neutral particle analyzer
45	Shashank Singh	TIFR Mumbai	Multiple ionization, fragmentation and dehydrogenation of coronene in collisions with swift protons
46	Sheetal Sisodiya	SVKM'S NMIMS Indore	Theoretical Investigation of Double Ionization Mechanism in Hydrogen-Doped Carbon Nanotubes
47	Shikha Chandra	UPES, Dehradun & TIFR, Mumbai	Ionization of methane on impact of 100 keV/u proton and He ⁺⁺
48	Shikha Chandra	UPES, Dehradun & TIFR, Mumbai	Ionization of uracil in collision with KeV and MeV energy highly charged ions
49	Shruti Prakashan	IIST Thiruvananthapuram	Ground-State Regimes and Ergodicity Breaking in a Disordered Spinless Fermion Chain
50	Siddharth Sharma	R.B. S. College, Agra	Quantum Thermodynamic Resources in Physical Qubit Platforms for Quantum Computing
51	Souvik Sarkar	IIT Kanpur	Enhancing Quantum Gate Fidelity with FPGA-Based Control and Stabilization Techniques
52	Sudhanshu Arya	Indian Institute of Technology (ISM) Dhanbad	Electron scattering from methane and its radicals using relativistic optical-potential method

53	Sugam Kumar	IUAC Delhi	2D Array of Planar Penning Traps for Quantum Computing with individually trapped Electrons
54	Sukanya Jana	Indian Association for the Cultivation of Science	Asymmetry Effects in Quadrupole Mass Filters: From Field Imperfections to Resolution Enhancement
55	Suraj Pandey	Indian Institute of Technology Delhi	Electric dipole polarizability and parity nonconservation in 205 Tl: A FS-PRCC approach
56	T. shreecharan	IcfaiTech, The ICFAI Foundation for Higher Education	Realization of Schrödinger cat-states via superposed quantum droplet states driven by external potential
57	Utsav	Institute For Plasma Research, Gandhinagar Gujrat	Investigation of molecular contribution in H α and H β emissions during current ramp-down phase of ADITYA-U tokamak
58	Vaibhav Katyal	Physical Research Laboratory	Search for BSM Boson via Precision Atomic Studies
59	Vishnu P	Indian Institute of Science Education and Research, Pune	State selective study of dissociation dynamics of CO ₂ ⁺ under electron impact
60	Binduja Panja	IIST Trivandrum	Ion-ion correlations in PAH dications under solar proton impact
61	Binduja Panja	IIST Trivandrum	Dissociation trends and astrophysically important progression in methylated aromatics
62	Devika V S	Amrita Vishwa Vidyapeetham, Coimbatore	Isomeric Effects in Cyanoindole via Dissociative Ionisation under Low-energy Electron Impact and UV Multiphoton Excitation
63	Devika V S	Amrita Vishwa Vidyapeetham, Coimbatore	Rapid and Concerted Super Dehydrogenation of Aromatics under High Energy Radiation Impact
64	Malavika S	IIST Trivandrum	Calibration of low energy ion and electron instrumentation for Venus ionospheric studies