

## 29th International Symposium on Ion-Atom Collisions (ISIAC 2025), July 25-27, 2025 / Uji, Kyoto, Japan

Ver.2

Session #	Session Chair	Slot	Speaker	Title
Session 1	Ladislau Nagy	I-01	Xiaolong Zhu	Direct evidence of breakdown of spin statistics in ion-atom charge exchange collisions
		I-02	Malay Purkait	Electron capture and excitation between hydrogen-like projectile and helium atom
		I-03	Nicolas Sisourat	Antiproton collisions from a fully-correlated time-dependent approach
		O-01	Corey T Plowman	Excitation of ground-state helium by proton impact
Session 2	Xinwen Ma	I-04	Christophe Prigent	Ion – Atom collisions : a benchmark for reliable Ion – Ion Studies
		I-05	Md Abul Kalam Azad Siddiki	CSR-ReMi: an in-ring cryogenic reaction microscope for electron-ion-projectile coincidence spectroscopy
		O-02	Karoly Tokesi	Impact parameter and kinematic information for differential ionization of argon by positron and electron impacts
Session 3	Claudia C Montanari	I-06	Shruti Majumdar	Multiply differential study of vibrational dissociative capture in p + D2 collisions
		I-07	Ana Beatriz Monteiro-Carvalho	O2+ Production Coming from CO2 single-event electron impact
		O-03	Zoltán Juhász	Molecular two-center interference in H+ emission from H2 molecule by O+ ion impact and its dependence on the target coherence
Session 4	Alisher Kadyrov	I-08	Alexander Voitkiv	Breit interaction vs Coulomb force in ionization occurring in nonrelativistic atomic collisions
		I-09	Xiaoqing Hu	Impact of Dimer Environments on Nonadiabatic Dynamics in Transient Molecules Formed via Ion-Atom Collisions
		O-04	Ann E Orel	Low Energy Collisions of H- with B+ or H+
Session 5	Alexander Voitkiv	I-10	Shenyue Xu	Imaging molecular structures and revealing fragmentation dynamics using highly charged ions
		I-11	Tom Kirchner	Interatomic Coulombic decay in ion-impact collisions: a theoretical perspective
		O-05	Sankar De	Intra-molecular scattering within diiodoacetylene
		O-06	Tomohiko Nakao	Delayed fragmentation of polyatomic molecules induced by MeV ion collisions
Session 6	Ann E Orel	I-12	Baoren Wei	Charge exchange cross section for highly charged ions collision with atom and molecule
		I-13	Nicholas W Antonio	Charge exchange and ionisation in impurity ion collisions with atomic hydrogen
		O-07	Junwen Gao	Double electron capture into autoionizing states in N7+ and He collisions
Session 7	Amine Cassimi	I-14	Teruaki Konishi	Single Hit Microbeam Technology for Single Cell “Rad” Biology
		I-15	Yusuke Matsuya	Track-structure mode and DNA damage estimation in PHITS ver. 3.35
		O-08	Sergio Diaz-Tendero	Reactivity in clusters of amino acids induced by ion-collisions in the gas phase
Session 8	Alain Dubois	I-16	Henrique Fonteles	Micro-PIXE for Iron Mapping in Ferroptosis
		I-17	Hiroshi Amekura	A mystery of ion tracks in silicon:– Monatomic ions of hundreds MeV do not form but C60 ions of 60 keV do –
		O-09	Silvina Segui	Stopping of charged particles interacting with a phosphorene monolayer: an ab initio approach