

European Conference on Trapped Ions (ECTI)

Monday 25 September 2023

Monday Poster: Poster Session I (19:30-21:30)

[id] title	presenter	board
[224] Towards Fast Coherent Transport and Reconfiguration Operations on Microfabricated X-Junction Ion Traps with Integrated Current Carrying Wires	KULMIYA, Sahra Mr ZANTIS, Petros	
[44] Source of negative ions for matter-antimatter studies	Dr KLOSOWSKI, Lukasz	
[152] A Trapped Ion Computing Platform with Software-Tailored Architecture for Quantum co-design	DONOFRIO, Marissa	
[116] Programmable XY-type interactions on trapped ions: parallel Ising-type interactions mediated via the same motional-modes	KOTIBHASKAR, Nikhil	
[117] Development of X-junctions and robust transport protocols for an ion-trap based quantum computer	MEINERS, Teresa	
[150] Integrated Current-Carrying Wires on a Planar Ion Trap to Produce a Magnetic Field Gradient.	SMITH, DAISY	
[26] Deltaflow.Control: A distributed control system architecture for large-scale ion trap and cold atom quantum computing	JOHNSON, Nick	
[153] Prospects of dark-matter searches via correlation spectroscopy of $^{12}\text{C}^+$ and Ca^+	Dr MEIR, Ziv	
[14] How to wire a 1000-qubit trapped ion quantum computer	MALINOWSKI, Maciej	
[119] Controlling trapped-ion motional modes for precision measurement*	METZNER, Jeremy	
[83] A setup for co-trapping an atom and a molecule	HOCHNER, Idan	
[8] Native qudit entanglement in a trapped ion quantum processor	HRMO, Pavel	
[56] Demonstration of a universal two-qubit register for a QCCD-based quantum processor	MENDPARA, Hardik	
[165] Coupling trapped ions to a mechanical oscillator	WEEGEN, Moritz	
[6] Integrated photonics in ion traps for scalable quantum information processing	MORDINI, Carmelo	
[169] Observation of spin-tensor induced topological phase transitions of triply degenerate points with a trapped ion	ZHANG, Mengxiang	
[50] Cold hybrid electrical-optical ion trap	CUI, Jin-Ming	
[163] Sympathetic cooling, cold chemistry, and spectroscopy of CaH^+ molecular ions	PATEL, Swapnil	
[171] An ion trap with integrated metal-clad fiber microcavity	Mr FANG, Ding CHEN, weibin	
[43] Optical tweezers for trapped ion quantum simulations	SCHÜSSLER, Rima	
[20] Realizing coherently convertible dual-type qubits with the same ion species	Dr MA, Jianyu	
[27] Digital-analog simulation of quantum field theories with trapped ions	Ms NGUYEN, Hong Nhung	
[11] Maximizing temporal quantum correlation by approaching an exceptional point	Dr WU, Chun-wang Dr ZHANG, Jie	

[89] Spontaneous emission error characterization and improvements for quantum simulation and sensing in a Penning trap	CARTER, Allison	
[177] An integrated approach to beat note locking of lasers	RANAWAT, Kavyashree	
[17] Progress towards long-range entanglement of $^{40}\text{Ca}^+$ ions in a surface-electrode trap with an integrated fiber Fabry-Perot cavity.	SONDERHOUSE, Lindsay	
[19] Ultrafast Spin-Motion Control In Trapped-Ion System By Resonant Laser Pulses	Mr GUO, Weixuan	
[172] High resolution vibrational spectroscopy of molecular hydrogen ions and its application in fundamental physics	SCHENKEL, Magnus ALIGHANBARI, Soroosh	
[49] Dark resonances as local probes	NUÑEZ BARRETO, Nicolas Adrian	
[92] A silicon-based microfabricated surface-electrode ion trap with integrated capacitors for modular quantum computing	Dr JIANG, Yue	
[114] High-fidelity transport of trapped-ion qubits in a multilayer array	PALANI, Deviprasath	
[45] Sideband Thermometry on Ion Crystals	VYBORNYI, Ivan	
[59] Surface-electrode ion traps for QCCD architectures	VOLIN, Curtis	
[53] Advanced technologies for ion trap systems	STERK, Jonathan	
[178] Trapped ion quantum engineering platforms	LEKITSCH, Bjoern	
[101] VUV laser spectroscopy of trapped Th ions	PEIK, Ekkehard	
[122] Native 3-body interactions for quantum annealing with trapped ions	NAGIES, Sebastian	
[22] Heating Effects for Wigner Ion Crystals and Experimental Realization of Multi-ion Sympathetic Cooling	XU, Yuzi	
[203] Towards Entanglement-Enhanced Metrology with Trapped Ions	WEBSTER, Simon	
[147] Toward dipole-phonon quantum logic with optimized sideband cooling	REED, Evan	
[72] Quantum error suppression by weak measurement reversal with current trapped-ion devices	RODRIGUEZ-BLANCO, Andrea	
[13] Experimental violation of the Leggett-Garg inequality in a three-level trapped-ion system	Prof. WU, Wei	
[164] Laser cooling and shuttling of trapped ions in strongly inhomogeneous magnetic fields	MANGENG, Christian	
[15] Realization of cross-talk avoided trapped-ion quantum network node with one ion species	Ms FENG, Lu	
[12] Precisely Measuring the Potential of a Surface Electrode Ion Trap	Ms CHEN, Ting	
[55] Tests of fundamental physics via precision spectroscopy with Yb^+ ions	Dr YU, Jialiang	
[76] Demonstration of a low-crosstalk double-side addressing system in a high optical access and XHV blade-trap	CHEN, Yilong □, □□	
[18] Quantum Networking with a Metastable Sr^+ Qubit	CHMIELEWSKI, Mika	
[99] A Neural Network Assisted $^{171}\text{Yb}^+$ Quantum Magnetometer	CHEN, Yan	
[176] Quantum simulation of conical intersections using trapped ions	WHITLOW, Jacob	
[46] Quantum gates with trapped ions and optical tweezers.	GALLAGHER, Louis	
[74] Advances in Penning trap ion imaging and control for quantum sensing and simulation	WOLF, Robert	

[220] Progress on trap-integrated qubit control and readout for scalable trapped ion quantum computing	SLICHTER, Daniel	
[125] Sympathetic cooling of a Be⁺ ion by a Coulomb crystal of Sr⁺ ions: a test bed for taming antimatter ions (GBAR)	HILICO, Laurent	