

Poster Session 1

Tuesday, June 3, 14:00-15:30

Poster #	Presenting author	Title
1	Young D. J., <i>JILA and University of Colorado, USA</i>	Exploring correlated hopping along a synthetic dimension in a strontium cavity QED system.
2	Heizenreder B., <i>Van der Waals-Zeeman Institute, University of Amsterdam, NL</i>	Towards continuous spectroscopy and superradiance.
3	Mishra D. K., <i>Department of Physics, Institute of Science, IN</i>	Enhanced Sensitivity of Coherent Anti-Stokes Raman Spectroscopy via SU(1,1) Interferometry.
4	Mondal S., <i>University of Birmingham, UK</i>	3D-Printed Optical Cavity for Laser Stabilization.
5	Wolf F., <i>QUEST Institute, PTB Braunschweig, DE</i>	Quantum logic control of transition metal and molecular ions.
6	Bednarski B., <i>Nicolaus Copernicus University in Toruń, PL</i>	Cavity-enhanced spectroscopy of H ₂ in a deep cryogenic regime.
7	Sias C., <i>INRIM and LENS, IT</i>	Metastable two-dimensional Coulomb crystals.
8	Yadav P., <i>Indian Institute of Technology Delhi, IN</i>	High precision measurement of atom number in a mesoscopic cold atomic ensemble using fluorescence imaging.
9	Rasel E. M., <i>Leibniz Universität Hannover and Excellence Cluster Quantum Frontiers, DE</i>	Second-long light-pulse interferometry at pKs.
10	Zaheer A., <i>Optical Sciences Centre, Swinburne University of Technology, AU</i>	Discrete time crystals with bouncing potassium Bose-Einstein condensates.
11	Mouhanna H., <i>Laboratoire de Physique des Lasers, Université Sorbonne Paris Nord, FR</i>	High resolution spectroscopy of molecules confined in gas cells of sub-wavelength thickness.
12	Butery E., <i>Laboratoire de Physique des Lasers, Université Sorbonne Paris Nord, FR</i>	Spectroscopic measurements of the Rydberg-surface Casimir-Polder interaction.
13	Rosa-Medina R., <i>Atominstitut, Technische Universität Wien, AT</i>	Developing a quantum gas microscope with programmable lattices.

14	Cygan A., <i>Nicolaus Copernicus University in Toruń, PL</i>	Heterodyne cavity ring-down spectroscopy exploiting eigenmode frequencies for high-fidelity measurements.
15	Blondel C., <i>CNRS, FR</i>	The quantum offset of velocity imaging-measured electron energies.
16	Chen Y., <i>University of Science and Technology of China, CN</i>	Experimental demonstration of tunable spin-phonon coupling in trapped ions via optical tweezers.
17	Qiao M., <i>CNRS, FR</i>	Realization of a doped quantum antiferromagnet with dipolar tunnelings in a Rydberg tweezer array.
18	de Léséleuc S., <i>RIKEN/IMS, JP</i>	Measurement and feedforward correction of the fast phase noise of lasers.
19	Wang J., <i>Hefei National Laboratory, University of Science and Technology of China, CN</i>	Precision spectroscopy of CO for gas metrology.
20	Athanasakis-Kaklamanakis M., <i>Imperial College London, UK</i>	Towards a measurement of the electron's electric dipole moment with molecules in a lattice.
21	Chakraborty A., <i>Physical Research Laboratory, IN</i>	Probing nuclear spin-dependent parity-violation in ^{133}Cs using relativistic coupled-cluster theory.
22	Fouka K., <i>University of Amsterdam, NL</i>	Multilevel electromagnetically induced transparency cooling.
23	Robalo Pereira C., <i>Van der Waals-Zeeman Institute, University of Amsterdam, NL</i>	Optical tweezer optimisation for trapped-ion quantum simulation.
24	Baruzzo M., <i>INFN, IT</i>	Measurement of ground-state hyperfine splitting in muonic hydrogen: The FAMU experiment.
25	Gauguet A., <i>LCAR/FERMI, Université de Toulouse and CNRS, FR</i>	Optimal Floquet state engineering for large scale atom interferometers.
26	Richard J., <i>Exail Quantum Systems, FR</i>	Absolute quantum gravimetry in the field.
27	Ackerman Z.E.D., <i>Van der Waals – Zeeman Institute, University of Amsterdam, NL</i>	Quantum gates with trapped ions and optical tweezers.
28	Lei J.-Y., <i>Huazhong University of Science and Technology, CN</i>	Measuring G with atom interferometry.
29	Liu J., <i>Huazhong University of Science and Technology, CN</i>	Test of the gravitational redshift with single-photon-based atomic clock interferometers.
30	Yao Z., <i>CNRS, FR</i>	Microwave spectroscopy of ultracold sodium least-bound molecular states.
31	Filin D., <i>University of Delaware, USA</i>	Calculation of polarizabilities of low-lying states of silver.

32	Mun J., <i>Korea Research Institute of Standards and Science, KR</i>	Qubit control based on various transition lines of ^{171}Yb atoms in optical tweezers.
33	Morsch O., <i>CNR-INO and University of Pisa, IT</i>	Spatially resolved Rydberg Doppler thermometry of a cold gas.
34	Landru M., <i>ONERA DPHY - SLM, FR</i>	Multi-species cold-atom interferometry for inertial measurements.
35	Park S. E., <i>Korea Research Institute of Standards and Science, KR</i>	Improvement of short-term stability in a compact laser-cooled Rb atomic clock.
36	Fabre A., <i>Laboratory for Quantum Gases and Quantum Science and Engineering Center, CH</i>	Microscopy of density-wave ordering in strongly interacting Fermi gas.
37	Luo W., <i>University of Science and Technology of China, CN</i>	A ^{171}Yb - ^{173}Yb cold-atom comagnetometer.
38	Chen S., <i>PTB Braunschweig, DE</i>	Excited-state magnetic properties of carbon-like calcium Ca^{14+} .
39	Mukherjee R., <i>Sarala Birla University, IN</i>	Enhancement of Kerr nonlinearity in quantum dot molecules via tunneling mechanism.
40	Quensen M., <i>Deutsches Zentrum für Luft- und Raumfahrt e.V., DLR-SI, DE</i>	Hong-Ou-Mandel interference of more than 10 indistinguishable atoms.
41	Valencia G., <i>Institute of Science and Technology Austria (ISTA), AT</i>	Towards quantum limited milligram scale optomechanics.
42	Kristensen, S. L., <i>Max-Planck-Institute for Quantum Optics, DE</i>	Precision spectroscopy of ^{88}Sr with direct readout of the 3P_n metastable states.
43	Masuda T., <i>Research Institute for Interdisciplinary Science, Okayama University, JP</i>	Laser spectroscopy of the Th229 nuclear clock transition.
44	Kwong C. C., <i>Nanyang Technological University, SGP</i>	Measurement of 477 nm magic wavelength for strontium clock transition.
45	Gavryusev V., <i>University of Florence, IT</i>	Optimal control in phase space applied to minimal-time transfer of thermal atoms in optical traps.
46	Biagioni G., <i>Université Paris-Saclay, Institut d'Optique Graduate School, CNRS, FR</i>	Collective light scattering in ordered 1D chains of dysprosium atoms.
47	Curtis E. A., <i>National Physical Laboratory, UK</i>	A highly accurate $^{171}\text{Yb}^+$ ion optical clock at NPL for metrology and tests of fundamental physics.

48	Arnold A.S., <i>Dept. of Physics, University of Strathclyde, UK</i>	Single-beam grating-chip 3D and 1D optical lattices.
49	Wolf N., <i>Institute of Applied Physics, University of Bonn, DE</i>	Bose-Einstein condensation of photons in variable potentials.
50	Cui J.-M., <i>University of Science and Technology of China, CN</i>	Trapped-ion electric noise spectrum analyzer assisted by optical tweezers.
51	Ajayakumar A., <i>CERN, CH</i>	High resolution laser spectroscopy towards exotic lanthanide and actinide isotopes for nuclear physics.
52	Park Y.-H., <i>Korea Research Institute of Standards and Science, KR</i>	Cavity design simulation to reduce cavity-related errors in atomic fountain clocks.
53	Parke A. L., <i>National Physical Laboratory (NPL), UK</i>	Long optical cavity storage time and active RAM cancellation towards frequency stabilisation at 1×10^{-18} .
54	Schioppo M., <i>National Physical Laboratory (NPL), UK</i>	Ultrastable lasers at NPL with fractional frequency instability below 10^{-16} .
55	Dubois L., <i>EPFL, CH</i>	A cavity-microscope for micrometer-scale control of atom-photon interactions.
56	Gajda M., <i>Institute of Physics, Polish Academy of Sciences, PL</i>	Bell correlations with multicomponent Bose-Einstein condensates.
57	Nosske I., <i>PTB Braunschweig, DE</i>	Transportable strontium optical lattice clock for geodesy at the few-cm height level.
58	Jyoti A., <i>Institute of Quantum Electronics, School of Electronics, Peking University, CN</i>	Magic wavelengths for ^{85}Rb and ^{133}Cs atoms based active optical clocks in visible-near infrared spectrum.
59	Pupic A., <i>Institute of Science and Technology, Klosterneuburg, AT</i>	Towards a spin-squeezing-enhanced atom interferometer in an optical cavity.
60	Famà F., <i>INRIM, IT</i>	Silicon Nitride microresonators for narrowband entangled photon-pair generation.

Poster Session 2

Wednesday, June 4, 14:00-15:30

Poster #	Presenting author	Title
61	Tang Z. M., <i>East China Normal University, CN</i>	Study on the clock-line sideband cooling of Yb atoms.
62	Zhang T., <i>East China Normal University, CN</i>	ECNU Yb optical lattice clocks with both instability and systematic uncertainty below 5×10^{-18} .
63	Cimmino R. T., <i>Harvard University, USA</i>	A dual-species optical tweezer array of Na and Cs Rydberg atoms.
64	Lee S.-B., <i>Korea Research Institute of Standards and Science, KR</i>	Uncertainty evaluation of KRISS-AGRB-1 and development status of new atomic gravimeter toward the accuracy of below 10 nm/s^2 .
65	Wirth V., <i>ETH Zurich, CH</i>	Precision spectroscopy of the fine-structure in the $a^3\Sigma_u^+(v=0)$ and $c^3\Sigma_g^+(v=4)$ states of the helium dimer.
66	Battelier B., <i>LP2N, Université de Bordeaux, IOGS and CNRS, FR</i>	All optical ultracold atoms in microgravity.
67	Qiu L., <i>Max Planck Institute of Quantum Optics, DE</i>	A high-data-rate fermionic quantum simulator in optical lattices.
68	Fang S.-C., <i>National Sun Yat-Sen University, TWN</i>	Measuring external electric fields using Stark and Zeeman effects in Rydberg-EIT vapor cells.
69	Manzoor S., <i>Università degli Studi di Firenze, IT</i>	Precision spectroscopy and frequency determination of the hyperfine components of the P(63) 4-4 transition of molecular iodine near 652 nm.
70	Heier J., <i>Leibniz Universität Hannover, DE</i>	Collisions in a quantum gas of bosonic $^{23}\text{Na}^{39}\text{K}$ molecules.
71	Giardini V., <i>University of Florence, IT</i>	Single strontium atoms in optical tweezer arrays for quantum simulation.
72	Cline J. R. K., <i>Quantinuum, USA</i>	Towards scalable trapped-ion quantum computing.
73	Abraham J.J., <i>University of Southampton, UK</i>	Development of a compact cold atom interferometric rotation sensor.
74	Piest B., <i>Observatoire de Paris, Université PSL, FR</i>	Implementation of Delta-Kick squeezing in an atom interferometer.
75	Pal M., <i>Graz University of Technology, AT</i>	Performance comparison of dual comb spectrometers with MHz and GHz repetition rate.
76	Oghittu L., <i>University of Amsterdam, NL</i>	Confinement induced resonances in alkali-alkaline earth atom mixtures.

77	Blume D., <i>University of Oklahoma, USA</i>	Laser-pulse induced helium trimer dynamics.
78	Lecomte M., <i>Sorbonne Université, FR</i>	Production and stabilization of a spin mixture of ultra-cold dipolar Bose gases.
79	Dinesan H., <i>Université Paris-Saclay, CNRS, FR</i>	A portable, cost-efficient microwave spectrometer and its application to Matrix isolation spectroscopy for searching physics beyond the standard model.
80	Herrera-Sancho O.A., <i>Universität Stuttgart, DE, and Universidad de Costa Rica, CR</i>	A high-resolution ion microscope to spatially observe ion-Rydberg interactions.
81	Milani G., <i>Leonardo Innovation Hub - Quantum Technologies, IT</i>	Progress on cold-atoms based quantum atomic clocks at Leonardo Innovation Hub.
82	Jenkins R., <i>Imperial College London, UK</i>	Measuring the electron's electric dipole moment using ultracold YbF molecules.
83	Roe T.H., <i>University of Southampton, U.K.</i>	A momentum state quantum computer.
84	Castrillo A., <i>University of Campania, IT</i>	Comb-locked cavity ring-down spectroscopy: combining high precision with ultra-high detection sensitivity in molecular interrogation.
85	Marchesini M., <i>CNRS, FR</i>	Ultra-cold atoms interferometry for space applications.
86	Rattanasakuldilok W., <i>University of Jyväskylä, Finland,</i>	Ultracold caesium radioisotopes and isomers for nuclear magnetic octupole moment studies.
87	Yamamoto S., <i>Okayama University, JP</i>	First observation of Muonium $1S-2S$ $F=0 \rightarrow F'=0$ transition at J-PARC.
88	Tariq M., <i>Max-Planck-Institut, DE</i>	How to generate XUV frequency combs without enhancement resonators?
89	Lee S., <i>Korea Research Institute of Standards and Science and Chonnam National University, KR</i>	Highly stable compact optical frequency standard based on modulation transfer spectroscopy on the ^{87}Rb D_2 Line.
90	De Natale P., <i>CNR-INO and LENS, IT</i>	Saturated-absorption Cavity Ring-down (SCAR) Spectroscopy: exploring the limits of sensitivity and precision for molecular detection.
91	Roschinski S., <i>TU Wien, Atominstitut, AT</i>	Towards entanglement generation in a cavity coupled atomic array.
92	Huang D.-Y., <i>University of Science and Technology of China, CN</i>	Ultrafast high-fidelity state readout of single neutral atom.
93	Valtolina G., <i>Fritz-Haber-Institut der Max-Planck-Gesellschaft, DE</i>	Towards a quantum gas with multiple long-range interactions.
94	Humphreys B., <i>University of Durham, UK</i>	Zeeman-Sisyphus deceleration of CaF molecules.

95	Favier M., <i>National Physical Laboratory, UK</i>	Improving optical lattice clock stability with Dick-noise-free architectures.
96	De Natale P., <i>CNR-INO and LENS, IT</i>	Mid infrared semiconductor lasers between classical and quantum operation regime.
97	Gozzellino M., <i>INRIM, IT</i>	Exploiting the light-shift for laser stabilization in atomic clocks.
98	Sun X., <i>NPL, UK</i>	High-precision optical frequency measurements: supporting UK industry and academia at NPL.
99	Baur D., <i>Institute for Quantum Electronics, Eidgenössische Technische Hochschule Zürich, CH</i>	Bandstructure of a coupled BEC-cavity system: effects of dissipation and geometry.
100	Kang S., <i>Korea Research Institute of Standards and Science, KR</i>	Laser frequency reference with a micro-fabricated Rubidium vapor cell for Doppler-free saturated absorption spectroscopy.
101	Miller C., <i>JILA, NIST & University of Colorado Boulder, USA</i>	Exploring spin-motion models with a quantum gas of polar molecules.
102	Kocik R.R., <i>Institute for Molecular Science, National Institute of Natural Sciences, JP</i>	Sub-nanosecond 780 nm pulse generation from a continuous wave laser for ultrafast hyperfine-resolved Rydberg excitation.
103	Zhou X., <i>Peking University, CN</i>	Realizing a spatially correlated lattice interferometer.
104	Spreeuw R.J.C. <i>University of Amsterdam, NL</i>	Parallel rearrangement of single atoms with an SLM for quantum simulation.
105	Preston A., <i>University of Southampton, UK</i>	A compact quantum inertial sensor using atom interferometry.
106	Marinelli M., <i>University of Trieste, CNR-IOM, IT</i>	Ultrafast imaging of ytterbium tweezer arrays.
107	Jiang M., <i>Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences, CN</i>	Robust, rapid laser autolocking with compact radio frequency generators for laser pulse sequencing in field-deployable atom interferometers.
108	Mamat, B. <i>Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences, CN</i>	Mitigating residual electric field noise to enhance the coherence of Rydberg atoms.
109	Natale G., <i>ETH Zürich, CH</i>	Mode synchronization in a quantum gas with cavity-mediated interactions.
110	Lienhard V. <i>Institute for Molecular Science, National Institutes of Natural Sciences, JP and Universidad de Oviedo, ES</i>	Generation of motional squeezed states for neutral atoms in optical tweezers.

111	Martinez-Lahuerta V.J., <i>Leibniz University Hannover, Institute of Quantum Optics, DE</i>	Robust Bragg diffraction for atom interferometers using optimal control theory.
112	Poli N., <i>Dipartimento di Fisica e As- tronomia & LENS, Univer- sità degli Studi di Firenze, IT</i>	Progress towards atom interferometry using large mo- mentum transfer UV transitions in ultra-cold cadmium.
113	Huang M.-Z., <i>ETH Zurich, CH</i>	Entropy transport between strongly interacting super- fluids.
114	Jiang J., <i>PTB Braunschweig, DE</i>	High-resolution spectroscopy of $^{173}\text{Yb}^+$ ions.
115	Gao K., <i>Chinese Academy of Scien- ces, CN</i>	Precision spectroscopy and nuclear structure parameters in $^7\text{Li}^+$ ion.
116	Wilson J.D., <i>JILA & Department of Physics, University of Colo- rado Boulder, USA</i>	Universal gate set for optical lattice based atom inter- ferometry.
117	Salvatierra J.P., <i>Politecnico di Torino, IT</i>	Current advances in the strontium optical lattice clock and development of a cavity-enhanced system at INRiM.
118	Robert P., <i>Dipartimento di Fisica e As- tronomia and LENS, Univer- sità degli Studi di Firenze, IT</i>	Optically dressed three-level coherence in neutral bosonic alkaline-earth-like species.
119	Gaudout S., <i>Laboratoire Kastler Brossel, Sorbonne Université, CNRS, FR</i>	Probing the local dispersion of k-vectors in situ with a Bose-Einstein Condensate.
120	Lombardi P., <i>CNR-INO, IT</i>	A new machine for many-body physics investigation with dipolar quantum gases.

Poster Session 3

Friday, June 6, 14:00-15:30

Poster #	Presenting author	Title
121	Wunderlich Ch., <i>University of Siegen, DE</i>	Fast, robust and laser-free universal entangling gates for trapped-ion quantum computing.
122	Hillberry L.E., <i>JILA and the University of Colorado, USA</i>	High phasespace density of YO molecules.
123	Zhang C., <i>The University of Tokyo, JP</i>	Investigation of isotope shifts and Stark shifts in the strontium Rydberg state via $5s^2\ ^1S_0 \rightarrow 5s5p\ ^1P_1^0 \rightarrow 5p_{1/2}5p_{1/2} \rightarrow 4d_{3/2}nl_j (n^* = 39.4)$.
124	Schmid F., <i>ETH Zürich, CH</i>	Quantum logic spectroscopy of the hydrogen molecular ion.
125	Pargoire Y., <i>Université Sorbonne Paris Nord, FR</i>	Continuous-wave superradiant laser based on a continuous cold atomic beam.
126	Zhuang J., <i>Innovation Academy for Precision Measurement Science and Technology, CN</i>	Probing the interaction energy of two ^{85}Rb atoms in an optical tweezer via spin-motion coupling.
127	Corgier R., <i>LTE, Observatoire de Paris, FR</i>	Squeezing-enhanced accurate differential sensing under large phase noise.
128	Robinson-Tait J., <i>NNF Quantum Computer Programme, University of Copenhagen, DNk</i>	The spectroscopic investigation of carbon clusters in a thermal source.
129	Eriksen, A.S., <i>NNF Quantum Computer Programme, University of Copenhagen, DNK</i>	Optical cooling and trapping of germanium.
130	Gaaloul N., <i>Leibniz University of Hanover, Institute of Quantum Optics, DE</i>	Quantum sensing in space for fundamental physics and Earth observation.
131	Beller T., <i>University of Florence, IT</i>	Programmable arrays of Rydberg Ytterbium atoms for quantum computing.
132	Sanner C., <i>Colorado State University, USA</i>	Zero-contrast clock interferometry.
133	Goti I., <i>INRIM, IT</i>	Operation of Yb optical lattice clock at sub- μK atomic temperature and international clock comparisons.
134	Beck H., <i>Humboldt University Berlin, DE</i>	Status of the laser system for cold atom experiments in BECCAL onboard the ISS.
135	Sowiński T., <i>Institute of Physics, Polish Academy of Sciences, PL</i>	Three-component few-fermion mixtures in one-dimensional geometry.

136	Houwman J.J.A., <i>Universität Innsbruck, AT</i>	Fano-shaped Feshbach resonances in ultracold dipolar spin mixtures.
137	Schäffer S. A., <i>University of Copenhagen, DNK</i>	Photon statistics in a steady-state superradiant laser.
138	Singh S. K., <i>Laboratoire Kastler Brossel, Sorbonne Université, FR</i>	Paraxial quantum fluid of light in cold atomic cloud.
139	Moreau G. L., <i>Stanford University, California, USA,</i>	Spin squeezing in an array of atomic ensembles via Rydberg dressing.
140	Rodewald J., <i>Imperial College London, UK</i>	Progress towards a new search for time-variation of the proton-to-electron mass ratio with a molecular lattice clock.
141	Gravina S., <i>University of Campania, IT</i>	Isotope shift spectroscopy in mercury vapors.
142	Gómez-Fernández L., <i>Niels Bohr Institute and Københavns Universitet, DNK</i>	Hyperfine structure of the aluminum atom.
143	Lannig S., <i>JILA and University of Colorado, USA</i>	Spectrally tailoring a clock laser for quantum state engineering and many-body physics in a 3D lattice clock.
144	Hahn R., <i>CNRS, Université Sorbonne Paris Nord, FR</i>	High precision mid-infrared vibrational spectroscopy with cold molecules.
145	Kjær J.K., <i>University of Copenhagen, DNK</i>	Laser cooling and trapping of silicon atoms.
146	Wattellier S., <i>Laboratoire Kastler Brossel, Sorbonne University, FR</i>	Superfluid fraction in an interacting spatially modulated Bose-Einstein condensate.
147	Cominotti R., <i>CNR-INO, IT</i>	False vacuum decay at finite temperatures in ferromagnetic superfluids.
148	Nauk C., <i>PTB Braunschweig, DE</i>	Recent advances of PTB's transportable Al^+ ion clock.
149	Mandopoulou G. E., <i>Harvard University, Cambridge, USA</i>	Photonic interfaces for telecommunication-band quantum networking with neutral atoms.
150	Riley P. S., <i>University of Colorado Boulder and NIST USA,</i>	Evanescent light-matter interaction in an integrated MEMS-nanophotonic vapor cell.
151	Ho M., <i>Stanford University, Stanford, CA, USA</i>	Cavity-mediated programmable interactions for quantum metrology and simulation.
152	Donati L., <i>CNR and LENS, IT</i>	Exploring noise-induced Fano coherence in a hot vapor atomic gas.
153	Fan M., <i>University of Toronto, CAN</i>	Ultra-wideband search for axionlike dark matter using precision spectroscopy of octupole-enhanced nuclei in a crystal.

154	Vinelli G., <i>University of Firenze, IT</i>	Advancing anti-matter-wave interferometry: design and implementation of techniques for gravity measurements on positronium atoms.
155	Lindsay M. D., <i>United States Air Force Academy, USA</i>	Progress on measuring the $ \alpha/\beta $ transition polarizability ratio in the one photon Rb 5S - 6S transition.
156	Bond L. J., <i>University of Amsterdam, NL</i>	Quantum-enhanced sensing with spin-dependent squeezing.
157	Mancini C., <i>INFN, IT</i>	Towards a squeezed interferometer with strontium atoms in a high-finesse cavity.
158	Xia T., <i>Sorbonne Université, FR</i>	Towards non-destructive microwave detection of magnetically guided ultracold atoms.
159	Mahapatra S., <i>Sorbonne Université, FR</i>	Towards a strong coupling regime in Waveguide QED using slow-mode photonic crystal waveguide and cold Rb atoms.
160	Meyroneinc A., <i>Université Sorbonne Paris Nord, FR</i>	Dissipative spin manipulation in a SU(N)-symmetric Fermi gas.
161	Pelini J., <i>CNR-INO and LENS, IT</i>	Exploiting high-sensitivity and resolution in cavity-enhanced photoacoustic sensors.
162	Hutchinson D. A. W., <i>Univeristy of Otago, NZL</i>	The Anderson transition in a symplectic two-dimensional ultracold gas.
163	Burden A., <i>NPL, UK</i>	Measurement validation and cycle slip detection on a single optical frequency comb.
164	Lien Y.-H., <i>University of Birmingham, UK</i>	Development of a high-bandwidth atom interferometer for gravity sensing.
165	Fricke J. F., <i>ETH Zurich, CH</i>	Spin- and Momentum-Correlated Atom Pairs Mediated by Photon Exchange and Seeded by Vacuum Fluctuations.
166	Ciuryło R., <i>Nicolaus Copernicus University, Toruń, PL</i>	Ultra-cold Hg atoms for sensing fundamental physics.
167	Ciuryło R., <i>Nicolaus Copernicus University, Toruń, PL</i>	Isotopic effect on optical clock transition affected by cold atoms collisions.
168	Chiofalo M. L., <i>Department of Physics "Enrico Fermi" and INFN, University of Pisa, Pisa, IT</i>	A quantum model for numerosity perception.