

TCP2014

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Book of Abstracts

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Opening

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Optical sideband cooling of an ion to the ground state of its motion in a Penning trap

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Basics of antimatter science

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What (anti-)matters with antimatter?

Corresponding Author: yasunori@riken.jp

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Corresponding Author: masaki.hori@mpq.mpg.de

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Corresponding Author: daniel.comparat@u-psud.fr

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Corresponding Author: z.andjelkovic@gsi.de

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Corresponding Author: f.herfurth@gsi.de

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Corresponding Author: redsh1m@cmich.edu

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Corresponding Author: eibach@nscl.msu.edu

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Corresponding Author: mehlmanmichael@gmail.com

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First direct high-precision measurement of the magnetic moment of the proton and status of BASE

Corresponding Author: stefan.ulmer@cern.ch

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Corresponding Author: patrice.perez@cea.fr

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Corresponding Author: andrea.gutierrez@triumf.ca

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Corresponding Author: petteri.pusa@cern.ch

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Corresponding Author: martin.simon@oeaw.ac.at

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Corresponding Author: y.litvinov@gsi.de

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Corresponding Author: yhzhang@impcas.ac.cn

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Corresponding Author: yamaguch@ribf.riken.jp

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Corresponding Author: wnoertershaeuser@ikp.tu-darmstadt.de

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Corresponding Author: wakasugi@riken.jp

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Low energy storage rings for molecular physics

Corresponding Author: schmidt@fysik.su.se

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RIKEN's new cryogenic electrostatic ion storage ring for atomic and molecular physics: RICE

Corresponding Author: toshiyuki-azuma@riken.jp

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Corresponding Author: takeshi@tmu.ac.jp

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Corresponding Author: wolfgang.r.plass@exp2.physik.uni-giessen.de

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Corresponding Author: wolf@uni-greifswald.de

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Corresponding Author: schury@riken.jp

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Corresponding Author: lschweik@physik.uni-greifswald.de

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Corresponding Author: t.dickel@gsi.de

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Corresponding Author: kuroda@radphys4.c.u-tokyo.ac.jp

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Corresponding Author: makoto.fujiwara@triumf.ca

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Corresponding Author: codys@yorku.ca

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Corresponding Author: keyao@fudan.edu.cn

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Corresponding Author: n_nakamu@ils.uec.ac.jp

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Corresponding Author: o.versolato@arcnl.nl

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Corresponding Author: fabian@lpccaen.in2p3.fr

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Corresponding Author: baumann@nscl.msu.edu

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Dynamical effects in the X-ray transition strengths of astrophysically relevant Fe¹⁶⁺ ions

Corresponding Author: natalia.oreshkina@mpi-hd.mpg.de

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Corresponding Author: safdaruetian@gmail.com

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Corresponding Author: tbrunner@stanford.edu

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Corresponding Author: shabaev@pcqnt1.phys.spbu.ru

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Corresponding Author: kawamura.hirokazu@gmail.com

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BASE - High-precision tests of CPT invariance using antiprotons

Corresponding Author: christian.smorra@cern.ch

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Scalable quantum information processing with trapped ions at NIST

Corresponding Author: dil@boulder.nist.gov

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Corresponding Author: christian.roos@uibk.ac.at

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Corresponding Author: sergey.eliseev@mpi-hd.mpg.de

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Corresponding Author: v.dzuba@unsw.edu.au

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Laser spectroscopy of atoms in superfluid helium for the measurement of nuclear spins and electromagnetic moments of radioisotope atoms

Corresponding Author: tomomi.fujita@riken.jp

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Quantum simulation of the Jaynes-Cummings-Hubbard Model using trapped ions

Corresponding Author: toyoda@ee.es.osaka-u.ac.jp

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Extreme field physics in Penning traps

Corresponding Author: m.vogel@gsi.de

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Quadratic Zeeman effect in highly charged ions

Corresponding Author: glazov.d.a@gmail.com

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Precision β -decay experiments with the β -decay Paul Trap

Corresponding Author: mgrants@uw.edu

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Corresponding Author: lienard@lpccaen.in2p3.fr

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A new correlation Penning trap for fundamental physics at Texas A&M

Corresponding Author: dmelconian@physics.tamu.edu

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Corresponding Author: hasegawa@n.t.u-tokyo.ac.jp

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Corresponding Author: yito@riken.jp

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Probing exotic nuclei through mass measurements from ISOLTRAP

Corresponding Author: skreim@cern.ch

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Corresponding Author: aniak@triumf.ca

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Corresponding Author: ringle@nscl.msu.edu

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Corresponding Author: jclark@phy.anl.gov

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Corresponding Author: tommi.eronen@jyu.fi

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Recent developments for investigations of the heaviest elements with SHIPTRAP

Corresponding Author: m.block@gsi.de

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High-precision Penning-trap mass measurements at TRIGA-TRAP

Corresponding Author: szilard.nagy@mpi-hd.mpg.de