

STORI'14 - 9th International Conference on Nuclear Physics at Storage Rings

ST  RI '14

Report of Contributions

Contribution ID: 2

Type: **Talk**

First Experiments at the Frankfurt Low Energy Electrostatic Storage Ring (FLSR)

Wednesday, October 1, 2014 9:10 AM (20 minutes)

Primary author: KING, Frederik (IKP Uni Frankfurt)

Co-authors: Prof. SCHMIDT-BÖCKING, Horst (IKF, Uni Frankfurt); MÜLLER, J. (IKF, Uni Frankfurt); Dr STIEBING, Kurt Ernst (Universität Frankfurt und FAIR GmbH, Darmstadt); SCHMIDT, L. Ph. H. (IKF, Uni Frankfurt); Prof. DÖRNER, Reinhard (IKF, Uni Frankfurt)

Presenter: KING, Frederik (IKP Uni Frankfurt)

Session Classification: Wed

Contribution ID: 3

Type: **Poster**

Conceptual design of elliptical cavities for intensity and position sensitive beam measurements in storage rings

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: SANJARI, Shahab (GSI, Darmstadt)

Presenter: SANJARI, Shahab (GSI, Darmstadt)

Session Classification: Poster session

Contribution ID: 4

Type: **Poster**

Bound-state beta- decay of bare $^{205}\text{Tl}^{81+}$

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: GAO, Bingshui (GSI, Darmstadt)

Presenter: GAO, Bingshui (GSI, Darmstadt)

Session Classification: Poster session

Contribution ID: 5

Type: **Talk**

Precise determination of the 1s Lamb shift in hydrogen-like heavy ions at the ESR storage ring using microcalorimeters

Thursday, October 2, 2014 12:10 PM (20 minutes)

Primary author: KRAFT-BERMUTH, Saskia (GSI, Darmstadt)

Presenter: KRAFT-BERMUTH, Saskia (GSI, Darmstadt)

Session Classification: Thu

Contribution ID: 6

Type: **Talk**

Study projectile fragmentation reaction with Isochronous Mass Spectrometry

Tuesday, September 30, 2014 5:20 PM (20 minutes)

Primary author: TU, Xiaolin (GSI, Darmstadt)

Presenter: TU, Xiaolin (GSI, Darmstadt)

Session Classification: Tue

Contribution ID: 7

Type: **Poster**

A new approach to the particle position detection in a storage ring

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: CHEN, Xiangcheng (GSI, Darmstadt)

Co-authors: BOSCH, Fritz (GSI); Mr NOLDEN, Fritz (GSI); PIOTROWSKI, Jeremi (GSI, Darmstadt); Dr STECK, Markus (Gesellschaft für Schwerionenforschung mbH); HÜLSMANN, Peter (GSI, Darmstadt); Dr SANJARI, Shahab (GSI, Darmstadt); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: CHEN, Xiangcheng (GSI, Darmstadt)

Session Classification: Poster session

Contribution ID: 8

Type: **Talk**

Atomic physics at the future Facility for Antiproton and Ion Research

Thursday, October 2, 2014 2:20 PM (30 minutes)

Primary author: GUMBERIDZE, Alexandre (GSI, Darmstadt)

Presenter: GUMBERIDZE, Alexandre (GSI, Darmstadt)

Session Classification: Thu

Track Classification: Future facilities

Contribution ID: 9

Type: **Talk**

Introduction of HIAF project

Friday, October 3, 2014 3:10 PM (30 minutes)

Primary author: YANG, Jiancheng (Institute of Modern physics, Chinese Academy of Science)

Presenter: YANG, Jiancheng (Institute of Modern physics, Chinese Academy of Science)

Session Classification: Fri

Track Classification: Future facilities

Contribution ID: 10

Type: **Talk**

The ELISE experiment, potential paths towards its realisation

Thursday, October 2, 2014 5:20 PM (20 minutes)

Primary author: SIMON, Haik (GSI, Darmstadt)

Co-author: FOR THE ELISE COLLABORATION, . (.)

Presenter: SIMON, Haik (GSI, Darmstadt)

Session Classification: Thu

Contribution ID: 11

Type: **Talk**

Antiproton Chain of FAIR Storage Rings

Wednesday, October 1, 2014 10:00 AM (30 minutes)

Primary author: KATAYAMA, Takeshi (Nihon University)

Co-authors: Mr PRASUHN, Dieter (FZ Jülich); Dr STOCKHORST, Hans (Forschungszentrum Jülich); Dr STECK, Markus (Gesellschaft für Schwerionenforschung mbH); STRASSEN, R. (Forschungszentrum Jülich); Mr MAIER, Rudolf (Forschungszentrum Jülich)

Presenter: KATAYAMA, Takeshi (Nihon University)

Session Classification: Wed

Track Classification: Future facilities

Contribution ID: 12

Type: **Poster**

Study of nuclear level density in the case of the hot Sn neutron-rich isotopes.

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: KADI, HOCINE (USTHB)

Co-authors: HADDOUCHE, ABDESLAM (USTHB); BENHAMOUDA, Naziha (USTHB)

Presenter: BENHAMOUDA, Naziha (USTHB)

Session Classification: Poster session

Contribution ID: 13

Type: **Talk**

Probing isospin-symmetry breaking with storage rings

Monday, September 29, 2014 6:00 PM (20 minutes)

Primary author: SUN, Yang (Shanghai Jiao Tong University)

Presenter: SUN, Yang (Shanghai Jiao Tong University)

Session Classification: Mon

Contribution ID: 14

Type: **Poster**

Simulation of the Isochronous Mode at the HIRFL-CSRe

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: YUAN, Youjin (Institute of Modern Physics, CAS)

Co-author: Dr CHEN, Ruijiu (Institute of Modern Physics)

Presenter: YUAN, Youjin (Institute of Modern Physics, CAS)

Session Classification: Poster session

Contribution ID: 15

Type: **Poster**

Direct mass measurements of neutron-deficient ^{152}Sm projectile fragments at the FRS-ESR facility

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: YAN, Xinliang (Institute of Modern Physics, Chinese Academy of Sciences)

Co-authors: Dr SUN, Baohua (Beihang University, China); Dr BRANDAU, Carsten (GSI, Darmstadt; EMMI, Darmstadt); Dr NOCIFORO, Chiara (GSI, Darmstadt); SCHEIDENBERGER, Christoph (GSI, Darmstadt); KOZHUHAROV, Christophor (GSI, Darmstadt); BOSCH, Fritz (GSI); Mr NOLDEN, Fritz (GSI); Dr MUENZENBERG, Gottfried (GSI, Darmstadt); GEISSEL, Hans (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr WEICK, Helmut (GSI Helmholtzzentrum für Schwerionenforschung GmbH); Prof. XU, Hushan (Institute of Modern Physics, Chinese Academy of Sciences); Dr KURCEWICZ, Jan (GSI, Darmstadt); Prof. BLAUM, Klaus (Max-Planck-Institut für Kernphysik); Dr CHEN, Lixin (Justus-Liebig Universität at Gießen, Germany); Dr STECK, Markus (Gesellschaft für Schwerionenforschung mbH); Prof. WANG, Meng (Institute of Modern Physics, Chinese Academy of Sciences); WINCKLER, Nicolas (GSI, Darmstadt); KNÖBEL, Ronja (GSI, Darmstadt); Mr LITVINOV, Sergey (GSI); Dr SANJARI, Shahab (GSI, Darmstadt); Prof. STÖHLKER, Thomas (GSI, Darmstadt); Dr PLASS, Wolfgang (GSI, Darmstadt); Prof. ZHOU, Xiaohong (Institute of Modern Physics, Chinese Academy of Sciences); Dr TU, Xiaolin (Institute of Modern Physics, Chinese Academy of Sciences); Prof. ZHANG, Yuhu (Institute of Modern Physics, Chinese Academy of Sciences); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: YAN, Xinliang (Institute of Modern Physics, Chinese Academy of Sciences)

Session Classification: Poster session

Contribution ID: 16

Type: **Poster**

Isobar Analogue States (IAS), Double Isobar Analog States (DIAS), and Configuration States (CS) in Halo Nuclei. Halo Isomers.

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: IZOSIMOV, Igor (Joint Institute for Nuclear Research)

Presenter: IZOSIMOV, Igor (Joint Institute for Nuclear Research)

Session Classification: Poster session

Contribution ID: 17

Type: **Poster**

Investigation of the Heavy-Ion Mode in the FAIR High Energy Storage Ring

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: KOVALENKO, Oleksander

Co-authors: Dr SURZHYKOV, Andrey (Helmholtz-Institut Jena); Dr PRASUHN, Dieter (FZ Jülich); Dr DOLINSKY, Oleksiy (GSI); Prof. MAIER, Rudolph (Forschungszentrum Jülich); Prof. STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: KOVALENKO, Oleksander

Session Classification: Poster session

Contribution ID: 18

Type: **Talk**

Electron dynamics in strong electromagnetic fields: Atomic physics with highly-charged heavy ions

Tuesday, September 30, 2014 10:30 AM (40 minutes)

Primary author: SURZHYKOV, Andrey (GSI, Darmstadt)

Co-authors: Prof. FRITZSCHE, Stephan (HI-Jena); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Presenter: SURZHYKOV, Andrey (GSI, Darmstadt)

Session Classification: Tue

Track Classification: Elementary atomic processes explored with cooled few-electron ions

Contribution ID: 20

Type: **Talk**

Prototype internal target design for storage ring experiments

Thursday, October 2, 2014 9:50 AM (20 minutes)

Primary authors: PETRIDIS, Nikolaos (GSI, Darmstadt); GRISENTI, Robert (GSI, Darmstadt); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: PETRIDIS, Nikolaos (GSI, Darmstadt)

Session Classification: Thu

Contribution ID: 21

Type: **Talk**

Recent results from ANKE, WASA, and PAX

Monday, September 29, 2014 2:10 PM (40 minutes)

Primary author: KHOUKAZ, Alfons (University Münster)

Presenter: KHOUKAZ, Alfons (University Münster)

Session Classification: Mon

Track Classification: Hadron spectroscopy and sub-nucleonic degrees of freedom

Contribution ID: 22

Type: **Poster**

Status of the Collector Ring project at FAIR

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: DOLINSKY, Oleksiy (GSI)

Co-authors: BERKAEV, D. (BINP, Novosibirsk); KOOP, I. (BINP, Novosibirsk); Dr GORDA, Oleksii (GSI, Darmstadt, Germany); Mr LITVINOV, Sergey (GSI); WEINRICH, Udo (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Presenter: DOLINSKY, Oleksiy (GSI)

Session Classification: Poster session

Contribution ID: 23

Type: **Poster**

Time-Domain Approach for Stochastic Cooling Study

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: DOLINSKA, Maryna (HIC4FAIR)

Co-authors: Mrs DIMOPOULOU, Christina (GSI); Mr DOLINSKY, Oleksiy (GSI)

Presenter: DOLINSKA, Maryna (HIC4FAIR)

Session Classification: Poster session

Contribution ID: 24

Type: **Talk**

CRYRING@ESR: Present Status and Future Research

Friday, October 3, 2014 9:00 AM (20 minutes)

Primary author: LESTINSKY, Michael (GSI, Darmstadt)

Co-authors: Dr KÄLLBERG, Anders (Department of Physics, Stockholm University); Dr HEINZ, Andreas (Chalmers University of Technology); Dr BRÄUNING-DEMIAN, Angela (Gesellschaft für Schwerionenforschung mbH); Dr SIMONSSON, Ansgar (Fysikum, Stockholm University, Stockholm, Sweden); Mr FRANZKE, Bernhard (GSI); REISTAD, Dag (Intégro Utbildnings AB, Sigtuna, Sweden); Dr HERFURTH, Frank (GSI); VOROBYEV, Gleb (GSI, Darmstadt); Dr DANARED, Håkan (ESS, Lund); Dr STECK, Markus (Gesellschaft für Schwerionenforschung mbH); ENGSTRÖM, Mats (Stockholm University(STU)); KESTER, Oliver (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); ENDERS, Wolfgang (GSI Ges. für Schwerionenforschung mbH); Dr LITVINOV, Yuri (GSI, Darmstadt); Prof. SKEPPSTEDT, Örjan (Fysikum, Stockholm University, Stockholm, Sweden)

Presenter: LESTINSKY, Michael (GSI, Darmstadt)

Session Classification: Fri

Track Classification: Future facilities

Contribution ID: 25

Type: **Talk**

The HITRAP facility for slow highly charged ions

Tuesday, September 30, 2014 2:50 PM (20 minutes)

Primary author: HERFURTH, Frank (GSI, Darmstadt)

Presenter: HERFURTH, Frank (GSI, Darmstadt)

Session Classification: Tue

Track Classification: Ion traps and electrostatic rings

Contribution ID: 26

Type: **Poster**

Decay of Zr isotopes and related nuclear structure effects

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: KAUR, Gurvinder (School of Physics and Materials Science, Thapar University, Patilala, Punjab)

Co-authors: Dr SHARMA, Manoj Kumar (School of Physics and Materials Science, Thapar University, Patiala, Punjab); Ms ., Rajni (School of Physics and Materials Science, Thapar University, Patiala, Punjab)

Presenter: KAUR, Gurvinder (School of Physics and Materials Science, Thapar University, Patilala, Punjab)

Session Classification: Poster session

Contribution ID: 27

Type: **Talk**

Laser cooling of hot, relativistic ion beams at FAIR

Thursday, October 2, 2014 9:00 AM (20 minutes)

Primary author: WINTERS, Danyal (GSI, Darmstadt)

Co-author: LASER COOLING COLLABORATION, SPARC (GSI)

Presenter: WINTERS, Danyal (GSI, Darmstadt)

Session Classification: Thu

Contribution ID: 28

Type: **Poster**

A particle detector for bound-state beta-decay experiments (and more) at the ESR and CR

*Tuesday, September 30, 2014 8:00 PM (2 hours)***Primary author:** NAJAFI, Mohammad Ali (JLU Giessen/ GSI)**Co-authors:** GAO, Bingshui (GSI Darmstadt); Dr KOZHUKHAROV, Christophor (GSI Darmstadt); BOSCH, Fritz (GSI); Mr NOLDEN, Fritz (GSI); Dr WEICK, Helmut (GSI Helmholtzzentrum für Schwerionenforschung GmbH); Dr DILLMANN, Iris (Justus Liebig Universität/ GSI Darmstadt); Dr MAIER, Ludwig (TU München); Dr STECK, Markus (GSI, Darmstadt); BÖHMER, Michael (TU München); KLEPPER, Otto (GSI Darmstadt); GERNHÄUSER, Roman (TUM); Mr LITVINOV, Sergey (GSI); Dr SANJARI, Shahab (GSI, Darmstadt); Prof. FAESTERMANN, Thomas (TU München); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr POPP, Ulrich (GSI Darmstadt); SPILLMANN, Uwe (GSI, Darmstadt); Dr LITVINOV, Yuri (GSI, Darmstadt)**Presenter:** NAJAFI, Mohammad Ali (JLU Giessen/ GSI)**Session Classification:** Poster session

Contribution ID: 29

Type: **Poster**

Design of a New Time-Of-Flight Detector for Isochronous Mass Spectrometry in the Collector Ring at FAIR

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: DIWISCH, Marcel (Justus-Liebig-Universität Gießen(JuLGi-2PI))

Co-authors: SCHEIDENBERGER, Christoph (GSI, Darmstadt); GEISSEL, Hans (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr WEICK, Helmut (GSI Helmholtzzentrum für Schwerionenforschung GmbH); KUZMINCHUK, Natalia (GSI, Darmstadt); KNÖBEL, Ronja (GSI, Darmstadt); DICKEL, Timo (GSI, Darmstadt); PLASS, Wolfgang (GSI, Darmstadt)

Presenter: DIWISCH, Marcel (Justus-Liebig-Universität Gießen(JuLGi-2PI))

Session Classification: Poster session

Contribution ID: 30

Type: **Talk**

Precision mass measurements of exotic ions with a MR-ToF system

Tuesday, September 30, 2014 3:10 PM (20 minutes)

Primary author: WIENHOLTZ, Frank (University Greifswald)

Co-authors: Mr WELKER, Andre (TU Dresden); Mr DE ROUBIN, Antoine (MPIK); Mrs BÖHM, Christine (MPIK); Dr BORGMANN, Christopher (Uppsala Universitet); LUNNEY, David (CSNSM/IN2P3 Universite de Paris Sud); Dr NEIDHERR, Dennis (GSI); Dr BECK, Dietrich (GSI); Mr ATANASOV, Dinko (MPIK); Mr KISLER, Dmitri (MPIK); MINAYA RAMIREZ, Enrique (GSI, Darmstadt); Dr HERFURTH, Frank (GSI, Darmstadt); Dr KURCEWICZ, Jan (CERN); Dr STANJA, Juliane (TU Dresden); Prof. ZUBER, Kai (TU Dresden); Prof. BLAUM, Klaus (Max-Planck-Institut für Kernphysik); Prof. SCHWEIKHARD, Lutz (Universität Greifswald); Dr KOWALSKA, Magdalena (CERN); Mr ROSENBUSCH, Marco (Universität Greifswald); Mr BREITENFELDT, Martin (KU Leuven); Mrs ALTHUBITI, Numa (University of Manchester); Dr ASCHER, Pauline (MPIK); Dr CAKIRLI, R.Burcu (Istanbul University); Dr WOLF, Robert (Max-Planck-Institut für Kernphysik); Mrs NAIMI, Sarah (MPIK); Dr GEORGE, Sebastian (Max-Planck-Institut fuer Kernphysik); Dr ELISEEV, Sergey (Max-Planck Institut für Kernphysik); Dr SCHWARZ, Stefan (MSU); Dr KREIM, Susanne (CERN Schweiz); Dr COCOLIOS, Thomas (University of Manchester); Dr ERONEN, Tommi (MPIK); Mr MANEA, Vladimir (CSNSM/IN2P3 Universite de Paris Sud); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: WIENHOLTZ, Frank (University Greifswald)

Session Classification: Tue

Contribution ID: 31

Type: **Poster**

A resonant Schottky pick-up for Rare-RI Ring at RIKEN

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: SUZAKI, Fumi (RIKEN Nishina Center, Saitama University)

Co-authors: Prof. OZAWA, Akira (University of Tsukuba); Dr ZENIHIRO, Juzo (RIKEN Nishina Center); Dr YAMADA, Kazunari (RIKEN Nishina Center); Dr WAKASUGI, Masanori (RIKEN Nishina Center); Dr YAMAGUCHI, Takayuki (Saitama University); Prof. SUZUKI, Takeshi (Saitama University); Dr UESAKA, Tomohiro (RIKEN Nishina Center); Mr ABE, Yasushi (RIKEN Nishina Center, University of Tsukuba); Dr YAMAGUCHI, Yoshitaka (RIKEN Nishina Center)

Presenter: SUZAKI, Fumi (RIKEN Nishina Center, Saitama University)

Session Classification: Poster session

Contribution ID: 32

Type: **Talk**

Laser spectroscopic determination of the hyperfine splitting in Li-like bismuth –one step forward

Thursday, October 2, 2014 11:30 AM (20 minutes)

Primary author: SANCHEZ ALARCON, Rodolfo Marcelo (GSI, Darmstadt)

Presenter: SANCHEZ ALARCON, Rodolfo Marcelo (GSI, Darmstadt)

Session Classification: Thu

Contribution ID: 33

Type: **Poster**

Heavy Ion Storage and Acceleration in the HESR with Stochastic Cooling and Internal Target

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: STOCKHORST, Hans (Forschungszentrum Jülich)

Co-authors: Mr PRASUHN, Dieter (FZ Jülich); Dr STASSEN, Rolf (Forschungszentrum Juelich); Mr MAIER, Rudolf (Forschungszentrum Jülich); Dr KATAYAMA, Takeshi (Nihon University)

Presenter: STOCKHORST, Hans (Forschungszentrum Jülich)

Session Classification: Poster session

Contribution ID: 34

Type: **Poster**

Fast-kicker system for Rare-RI Ring

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: YAMAGUCHI, Yoshitaka (RIKEN Nishina Center)

Co-authors: Prof. OZAWA, Akira (University of Tsukuba); Mr TOKUCHI, Akira (Pulsed Power Japan Laboratory Ltd.); Ms SUZAKI, Fumi (Saitama University); Mr MIURA, Hiroshi (Saitama University); Dr WAKASUGI, Masanori (RIKEN Nishina Center); Dr YAMAGUCHI, Takayuki (Saitama University); Dr UESAKA, Tomohiro (RIKEN Nishina Center); Mr ABE, Yasushi (University of Tsukuba); Dr YANO, Yasushige (RIKEN Nishina Center)

Presenter: YAMAGUCHI, Yoshitaka (RIKEN Nishina Center)

Session Classification: Poster session

Contribution ID: 35

Type: **Talk**

Non-Achromatic vs. Achromatic Isochronous Mode of the Collector Ring at FAIR

Thursday, October 2, 2014 3:10 PM (20 minutes)

Primary author: LITVINOV, Sergey (GSI, Darmstadt)

Co-authors: Dr DOLINSKII, Alexei (GSI); Dr WEICK, Helmut (GSI Helmholtzzentrum für Schwerionenforschung GmbH); Dr KOOP, Ivan (BINP); Dr GORDA, Oleksii (GSI, Darmstadt, Germany); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: LITVINOV, Sergey (GSI, Darmstadt)

Session Classification: Thu

Contribution ID: 36

Type: **Talk**

Isochronous field study of the Rare-RI Ring

Thursday, October 2, 2014 4:00 PM (20 minutes)

Primary author: ABE, Yasushi (RIKEN Nishina Center/Univ. of Tsukuba)

Co-authors: Prof. OZAWA, Akira (University of Tsukuba); Dr NAGAE, Daisuke (University of Tsukuba); Ms SUZAKI, Fumi (RIKEN Nishina Center, Saitama University); Mr MIURA, Hiroshi (Saitama University); Dr WAKASUGI, Masanori (RIKEN Nishina Center); Dr YAMAGUCHI, Takayuki (Saitama University); Dr UESAKA, Tomohiro (RIKEN Nishina Center); Dr YANO, Yasushige (RIKEN Nishina Center); Dr YAMAGUCHI, Yoshitaka (RIKEN Nishina Center)

Presenter: ABE, Yasushi (RIKEN Nishina Center/Univ. of Tsukuba)

Session Classification: Thu

Contribution ID: 37

Type: **Poster**

Magnetic field distribution inside the aperture of a Steerer magnet prototype

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: Mr CHIRITA, Ionel (INCDIE ICPE-CA)

Co-authors: Mr TANASE, Nicolae (INCDIE ICPE-CA, UPB); DAN, Vasile-Daniel (INCDIE ICPE-CA, University Politehnica of Bucharest)

Presenter: DAN, Vasile-Daniel (INCDIE ICPE-CA, University Politehnica of Bucharest)

Session Classification: Poster session

Contribution ID: 38

Type: **Poster**

RF-bunching of the relativistic 12C³⁺ ion beam for laser cooling experiments at the CSRe

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary authors: Mr WANG, Hanbing (Institute of Modern Physics, Chinese Academy of Sciences); WEN, Weiqiang (Institute of Modern Physics, Chinese Academy of Sciences); MA, Xinwen (Institute of Modern Physics, Chinese Academy of Sciences)

Co-authors: Dr ZHANG, Dacheng (Institute of Modern Physics, Chinese Academy of Sciences); Dr WINTERS, Danyal (GSI Helmholtzzentrum für Schwerionenforschung GmbH, D-64291 Darmstadt, Germany); Ms ZHAO, Dongmei (Institute of Modern Physics, Chinese Academy of Sciences); Prof. XIAO, Guoqing (Institute of Modern Physics, Chinese Academy of Sciences); Prof. ZHAO, Hongwei (Institute of Modern Physics, Chinese Academy of Sciences); Prof. XU, Hushan (Institute of Modern Physics, Chinese Academy of Sciences); Dr YANG, Jiancheng (Institute of Modern Physics, Chinese Academy of Sciences); Prof. XIA, Jiawen (Institute of Modern Physics, Chinese Academy of Sciences); Dr MAO, Lijun (Institute of Modern Physics, Chinese Academy of Sciences); Dr BUSSMANN, Michael (Helmholtz-Zentrum Dresden-Rossendorf, 01328 Dresden, Germany); Dr MAO, Ruishi (Institute of Modern Physics, Chinese Academy of Sciences); Dr ZHU, Xiaolong (Institute of Modern Physics, Chinese Academy of Sciences); Prof. YUAN, Youjin (Institute of Modern Physics, Chinese Academy of Sciences); Mr HUANG, Zhongkui (Institute of Modern Physics, Chinese Academy of Sciences)

Presenters: WEN, Weiqiang (Institute of Modern Physics, Chinese Academy of Sciences); MA, Xinwen (Institute of Modern Physics, Chinese Academy of Sciences)

Session Classification: Poster session

Contribution ID: 39

Type: **Talk**

Two-photon exchange contribution in elastic electron-proton scattering: measurements at VEPP-3 storage ring

Thursday, October 2, 2014 6:20 PM (20 minutes)

Primary author: RACHEK, Igor (Budker Institute of Nuclear Physics)

Presenter: RACHEK, Igor (Budker Institute of Nuclear Physics)

Session Classification: Thu

Contribution ID: 40

Type: **Talk**

Dielectronic recombination experiments of oxygen-like $78\text{Kr}28+$ at the HIRFL-CSRm

Tuesday, September 30, 2014 11:40 AM (20 minutes)

Primary authors: WEN, Weiqiang (Institute of Modern Physics, Chinese Academy of sciences); MA, Xinwen (Institute of Modern Physics, Chinese Academy of sciences); Mr HUANG, Zhongkui (Institute of Modern Physics, Chinese Academy of sciences)

Co-authors: Prof. DONG, Chenzhong (College of Physics and Electronic Engineering, Northwest Normal University); Ms ZHAO, Dongmei (Institute of Modern Physics, Chinese Academy of sciences); Prof. XIAO, Guoqing (Institute of Modern Physics, Chinese Academy of sciences); Mr WANG, Hanbing (Institute of Modern Physics, Chinese Academy of sciences); Prof. XU, Hushan (Institute of Modern Physics, Chinese Academy of sciences); Dr YANG, Jiancheng (Institute of Modern Physics, Chinese Academy of sciences); Prof. XIA, Jiawen (Institute of Modern Physics, Chinese Academy of sciences); Dr LI, Jie (Institute of Modern Physics, Chinese Academy of sciences); Dr MAO, Lijun (Institute of Modern Physics, Chinese Academy of sciences); Prof. ZHU, Linfan (Hefei National Laboratory for Physical Sciences at Microscale, Department of Modern Physics); Dr YAN, Tailai (Institute of Modern Physics, Chinese Academy of sciences); Dr XU, Weiqing (University of Science and Technology of China); Dr YANG, Xiaodong (Institute of Modern Physics, Chinese Academy of sciences); Dr ZHU, Xiaolong (Institute of Modern Physics, Chinese Academy of sciences); Dr MA, Xiaoming (Institute of Modern Physics, Chinese Academy of sciences); Dr SHI, Yinglong (College of Physics and Electronic Engineering, Northwest Normal University); Prof. YUAN, Youjin (Institute of Modern Physics, Chinese Academy of sciences)

Presenters: WEN, Weiqiang (Institute of Modern Physics, Chinese Academy of sciences); MA, Xinwen (Institute of Modern Physics, Chinese Academy of sciences)

Session Classification: Tue

Contribution ID: 41

Type: **Talk**

High-Performance Multiple-Reflection Time-of-Flight Mass Spectrometers for the Research With Exotic Nuclei and for Analytical Mass Spectrometry

Tuesday, September 30, 2014 3:30 PM (20 minutes)

Primary author: PLASS, Wolfgang (GSI Darmstadt)

Co-authors: RINK, Ann-Kathrin (Justus-Liebig-Universität Gießen); JESCH, Christian (Justus-Liebig-Universität Gießen); HORNUNG, Christine (Justus-Liebig-Universität Gießen); Prof. SCHEIDENBERGER, Christoph (GSI Darmstadt); SHORT, Devin (TRIUMF, Vancouver, Canada); Dr HAETTNER, Emma (GSI Darmstadt); GREINER, Florian (Justus-Liebig-Universität Gießen); Prof. GEISSEL, Hans (GSI Darmstadt); EBERT, Jens (Justus-Liebig-Universität Gießen); LANG, Johannes (Justus-Liebig-Universität Gießen); Prof. YAVOR, Mikhail (Institute for Analytical Instrumentation, Russian Academy of Sciences, St. Petersburg, Russia); REITER, Moritz Pascal (Justus-Liebig-Universität Gießen); AYET, Samuel (GSI Darmstadt); Dr DICKEL, Timo (GSI Darmstadt); LIPPERT, Wayne (Justus-Liebig-Universität Gießen)

Presenter: PLASS, Wolfgang (GSI Darmstadt)

Session Classification: Tue

Contribution ID: 42

Type: **Talk**

The ILIMA project at FAIR

Thursday, October 2, 2014 2:50 PM (20 minutes)

Primary author: WALKER, Philip (University of Surrey)

Co-authors: GEISSEL, Hans (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: WALKER, Philip (University of Surrey)

Session Classification: Thu

Contribution ID: 43

Type: **Poster**

Ion-optical Design of the CRYRING@ESR

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: GORDA, Oleksii (GSI, Darmstadt, Germany)

Co-authors: Dr BRÄUNING-DEMIAN, Angela (Gesellschaft für Schwerionenforschung mbH); Dr KLEFFNER, Carl-Michael (GSI); Dr HERFURTH, Frank (GSI, Darmstadt); Dr VOROBYEV, Gleb (GSI); LESTINSKY, Michael (GSI, Darmstadt); Mr DOLINSKIYY, Oleksiy (GSI)

Presenter: GORDA, Oleksii (GSI, Darmstadt, Germany)

Session Classification: Poster session

Contribution ID: 44

Type: **Talk**

Internal targets at storage rings

Thursday, October 2, 2014 9:20 AM (30 minutes)

Primary author: GRIGORYEV, Kirill (III. Physikalisches Institut B, RWTH Aachen)

Presenter: GRIGORYEV, Kirill (III. Physikalisches Institut B, RWTH Aachen)

Session Classification: Thu

Track Classification: Targets and detectors

Contribution ID: 45

Type: **Talk**

Storage and cooling of ion beams

Monday, September 29, 2014 9:20 AM (40 minutes)

Primary author: MESHKOV, Igor (JINR, Dubna)

Presenter: MESHKOV, Igor (JINR, Dubna)

Session Classification: Mon

Track Classification: Stored radioactive beams

Contribution ID: 46

Type: **Poster**

Measurements of neutron-induced reactions in inverse kinematics

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: REIFARTH, Rene (University of Frankfurt)

Presenter: REIFARTH, Rene (University of Frankfurt)

Session Classification: Poster session

Contribution ID: 47

Type: **Talk**

Experimental techniques for in-ring reaction experiments

Thursday, October 2, 2014 10:10 AM (20 minutes)

Primary author: EGELHOF, Peter (GSI, Darmstadt)

Co-authors: STREICHER, Branislav (GSI, Darmstadt); RIGOLLET, C. (KVI-CART, University of Groningen, Groningen, Netherlands); Dr KOLLMUS, Holger (GSI Helmholtzzentrum für Schwerionenforschung GmbH); Mr ZAMORA CARDONA, Juan Carlos (TU Darmstadt); YUE, Ke (GSI); MUTTERER, Manfred (GSI); TRÄGER, Michael (GSI, Darmstadt); Mr VON SCHMID, Mirko (TU Darmstadt); KALANTAR-NAYESTANAKI, Nasser (KVI-CART, University of Groningen, Groningen, Netherlands); KISELEV, Oleg (GSI, Darmstadt); ILIEVA, Stoyanka (GSI, Darmstadt); Prof. KRÖLL, Thorsten (TU Darmstadt); POPP, Ulrich (GSI, Darmstadt); EREMIN, Vladimir (Ioffe Physico-Technical Institute(IOFFE)); LE, X. C. (Institute for Nuclear Science and Technology, Hanoi, Vietnam)

Presenter: MUTTERER, Manfred (GSI)

Session Classification: Thu

Contribution ID: 48

Type: **Talk**

Colliding or Counter-rotating Ion Beams in Storage Ring for EDM Search

Friday, October 3, 2014 12:10 PM (30 minutes)

Primary author: KOOP, Ivan A. (Budker Institute of Nuclear Physics, 630090 Novosibirsk, Russia)

Presenter: KOOP, Ivan A. (Budker Institute of Nuclear Physics, 630090 Novosibirsk, Russia)

Session Classification: Fri

Track Classification: Fundamental symmetries and interactions

Contribution ID: 49

Type: **Poster**

A new data acquisition system for Schottky signals in atomic physics experiments at GSI's and FAIR's storage rings

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: TRAGESER, Christian (Justus-Liebig-Universität)

Co-authors: Prof. MÜLLER, Alfred (Justus-Liebig-Universität, Gießen, Germany); BRANDAU, Carsten (GSI, Darmstadt); KOZHUHAROV, Christoph (GSI, Darmstadt); Mr NOLDEN, Fritz (GSI); Dr SANJARI, Shahab (GSI, Darmstadt); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: TRAGESER, Christian (Justus-Liebig-Universität)

Session Classification: Poster session

Contribution ID: 50

Type: **Talk**

Spin coherence time studies of a polarized deuteron beam at COSY

Thursday, October 2, 2014 6:00 PM (20 minutes)

Primary author: GUIDOBONI, Greta (University of Ferrara and INFN, 44100 Ferrara, Italy)

Presenter: GUIDOBONI, Greta (University of Ferrara and INFN, 44100 Ferrara, Italy)

Session Classification: Thu

Contribution ID: 51

Type: **Poster**

Experimental Program at the Heidelberger Cryogenic Storage Ring CSR

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: GEORGE, Sebastian (Max-Planck-Institut fuer Kernphysik)

Presenter: GEORGE, Sebastian (Max-Planck-Institut fuer Kernphysik)

Session Classification: Poster session

Contribution ID: 52

Type: **Poster**

Precision determination of 7.8 eV isomeric states in ^{229}Th at heavy ion storage ring

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: MA, Xinwen (Institute of Modern Physics, Chinese Academy of Sciences, Lanzhou, 730000, Gansu, China)

Presenter: MA, Xinwen (Institute of Modern Physics, Chinese Academy of Sciences, Lanzhou, 730000, Gansu, China)

Session Classification: Poster session

Contribution ID: 53

Type: **Talk**

Isoscalar giant resonance studies in a stored-beam experiment for the EXL project

Tuesday, September 30, 2014 6:00 PM (20 minutes)

Primary author: ZAMORA CARDONA, Juan Carlos (TU Darmstadt)

Presenter: ZAMORA CARDONA, Juan Carlos (TU Darmstadt)

Session Classification: Tue

Contribution ID: 54

Type: **Poster**

Investigation of the Nuclear Natter Distribution of ^{56}Ni by Elastic Proton Scattering in Inverse Kinematics

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: VON SCHMID, Mirko (TU Darmstadt)

Presenter: VON SCHMID, Mirko (TU Darmstadt)

Session Classification: Poster session

Contribution ID: 55

Type: **Talk**

The isochronous mass spectrometry with two Time-of-Flight detectors at the CSRe

Monday, September 29, 2014 5:40 PM (20 minutes)

Primary author: WANG, Meng (Institute of Modern Physics, Chinses Academy of Sciences)

Presenter: WANG, Meng (Institute of Modern Physics, Chinses Academy of Sciences)

Session Classification: Mon

Track Classification: Nuclear structure and astrophysics

Contribution ID: 56

Type: **Talk**

Storage ring experiments of resonant electron-ion collisions at the interface of atomic and nuclear physics

Tuesday, September 30, 2014 4:20 PM (30 minutes)

Primary author: BRANDAU, Carsten (GSI, Darmstadt)

Presenter: BRANDAU, Carsten (GSI, Darmstadt)

Session Classification: Tue

Track Classification: Nuclear properties by atomic physics techniques

Contribution ID: 57

Type: **Poster**

BEYOND FIRST ORDER ELECTRON LOSS TO CONTINUUM ELC CUSP: $d\sigma/dEE$ FOR 50 AMEV U28+ IN THE ESR STORAGE RING

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: HAGMANN, Siegbert (GSI)

Presenter: HAGMANN, Siegbert (GSI)

Session Classification: Poster session

Contribution ID: 58

Type: **Talk**

Laser Spectroscopy at Storage Rings

Thursday, October 2, 2014 11:00 AM (30 minutes)

Primary author: NÖRTERSCHÄUSER, Wilfried (Institut für Kernphysik)

Presenter: NÖRTERSCHÄUSER, Wilfried (Institut für Kernphysik)

Session Classification: Thu

Track Classification: Nuclear properties by atomic physics techniques

Contribution ID: 59

Type: **Talk**

Electron spectroscopy at the high-energy endpoint of electron-nucleus bremsstrahlung studies at the ESR

Tuesday, September 30, 2014 12:20 PM (20 minutes)

Primary author: HILLENBRAND, Pierre-Michel (GSI, Darmstadt)

Co-author: HAGMANN, Siegbert (Goethe-Universität Frankfurt(UFfm-IKP)/GSI-Darmstadt)

Presenter: HILLENBRAND, Pierre-Michel (GSI, Darmstadt)

Session Classification: Tue

Contribution ID: **60**

Type: **Talk**

Reaction studies using stored ions

Monday, September 29, 2014 12:20 PM (20 minutes)

Primary author: Dr GLORIUS, Jan (Goethe University Frankfurt)

Presenter: REIFARTH, Rene (University of Frankfurt)

Session Classification: Mon

Contribution ID: 62

Type: **Poster**

Search for heavy exotics with hidden charm in antiproton-proton annihilation

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: BARABANOV, Mikhail (Joint Institute for Nuclear Research)

Co-author: Prof. VODOPYANOV, Alexander (JINR Dubna)

Presenter: BARABANOV, Mikhail (Joint Institute for Nuclear Research)

Session Classification: Poster session

Contribution ID: 63

Type: **Poster**

Polarization phenomena in atomic bremsstrahlung

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: SURZHYKOV, Andrey (GSI, Darmstadt)

Co-author: Dr YEROKHIN, Vladimir (Center for Advanced Studies, St Petersburg State Polytechnical University, Polytekhnicheskaya 29, St Petersburg 195251, Russia)

Presenter: SURZHYKOV, Andrey (GSI, Darmstadt)

Session Classification: Poster session

Contribution ID: 64

Type: **Poster**

SPARC experiments at the high-energy storage ring

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Co-authors: Dr BRÄUNING-DEMIAN, Angela (Gesellschaft für Schwerionenforschung mbH); Dr HERFURTH, Frank (GSI, Darmstadt); Dr LESTINSKY, Michael (GSI, Darmstadt); Prof. SCHUCH, Reinhold (Stockholm university); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Poster session

Contribution ID: 65

Type: **Poster**

Laser spectroscopy of lithium-like ions at HESR

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: KÜHL, Thomas (GSI)

Presenter: KÜHL, Thomas (GSI)

Session Classification: Poster session

Contribution ID: 66

Type: **Poster**

Two-Photon Transitions in He-like Heavy Ions

*Tuesday, September 30, 2014 8:00 PM (2 hours)***Primary author:** TROTSSENKO, Sergiy (Helmholtz Institute Jena / GSI)

Co-authors: Dr KUMAR, Ajay (Bhabha Atomic Research Centre, Mumbai, India); ANANYEVA, Alena (GSI, Darmstadt); GUMBERIDZE, Alexandre (GSI, Darmstadt); SURZHYKOV, Andrey (GSI, Darmstadt); Dr VOLOTKA, Andrey (Institut für Theoretische Physik, Technische Universität Dresden, Dresden, Germany); Dr BRÄUNING-DEMIAN, Angela (Gesellschaft für Schwerionenforschung mbH); Dr SIMON, Anna (Institute of Physics, Jagiellonian University, Krakow, Poland); GAO, Bingshui (Institute of Modern Physics (IMP)(IMP)); BRANDAU, Carsten (GSI, Darmstadt); Mr TRAGESER, Christian (Justus-Liebig-Universität); KOZHUHAROV, Christophor (GSI, Darmstadt); SCHURY, Daniel (GSI, Darmstadt); Dr WINTERS, Danyal (GSI, Darmstadt); Dr BANAS, Dariusz (Intitute of Physics, Jan Kochanowski University, Kielce, Poland); Dr PLUNIEN, Günter (Institut für Theoretische Physik, Technische Universität Dresden, Dresden, Germany); WEBER, Günter (GSI, Darmstadt); BEYER, Heinrich (GSI, Darmstadt); BLUMENHAGEN, Karl-Heinz (GSI, Darmstadt); TRIBEDI, Lokesh (Tata Institute of Fundamental Research, Mumbai, India); TRASSINELLI, Martino (GSI, Darmstadt); Dr LESTINSKY, Michael (GSI, Darmstadt); PETRIDIS, Nikolaos (GSI, Darmstadt); JAGODZINSKI, Pawel (Intitute of Physics, Jan Kochanowski University, Kielce, Poland); HILLENBRAND, Pierre-Michel (GSI, Darmstadt); HESS, Regina (GSI, Darmstadt); ZHANG, Ruitian; Dr SALEM, Shadi (GSI, Darmstadt); HAGMANN, Siegbert (Goethe-Universität Frankfurt(UFfm-IKP)/GSI-Darmstadt); Prof. SCHIPPERS, Stefan (Justus-Liebig-University Giessen, Institute of Atomic and Molecular Physics); FRITZSCHE, Stephan; STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); GASSNER, Tobias (GSI, Darmstadt); SPILLMANN, Uwe (GSI, Darmstadt); CHEN, Weidong (GSI, Darmstadt); ZHU, Xianglei (Tsinghua University(TSHU)); TU, Xiaolin (GSI, Darmstadt); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: TROTSSENKO, Sergiy (Helmholtz Institute Jena / GSI)**Session Classification:** Poster session

Contribution ID: 67

Type: **Talk**

The CSR Project at MPIK

Wednesday, October 1, 2014 8:40 AM (30 minutes)

Primary author: VON HAHN, Robert (Max-Planck-Institut für Kernphysik)

Presenter: VON HAHN, Robert (Max-Planck-Institut für Kernphysik)

Session Classification: Wed

Track Classification: Ion traps and electrostatic rings

Contribution ID: **68**

Type: **Poster**

Precision Spectroscopy of Highly Charged Ions Stored in Penning Traps

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: VOGEL, Manuel (TUD and GSI)

Presenter: VOGEL, Manuel (TUD and GSI)

Session Classification: Poster session

Contribution ID: 69

Type: **Talk**

Observation and manipulation of coherence in the time-reversed relativistic photoelectric effect

Tuesday, September 30, 2014 12:00 PM (20 minutes)

Primary author: TASHENOV, Stanislav (Heidelberg University)

Presenter: TASHENOV, Stanislav (Heidelberg University)

Session Classification: Tue

Contribution ID: 70

Type: **Talk**

FOCAL - Precision X-Ray Spectroscopy for the 1S Lamb-Shift in H-Like Gold

*Thursday, October 2, 2014 11:50 AM (20 minutes)***Primary authors:** BEYER, Heinrich (GSI, Darmstadt); GASSNER, Tobias (GSI, Darmstadt)**Co-authors:** GUMBERIDZE, Alexandre (GSI, Darmstadt); Dr SIMIONOVICI, Alexandre (LGIT, Observatoire des Sciences de l'Univers de Grenoble, Grenoble, France); Dr MANIL, Bruno (Laboratoire de Physique des Lasers (LPL) UMR 7538 CNRS - Université Paris 13, Villetaneuse, France); BRANDAU, Carsten (GSI, Darmstadt); Mrs DIMOPOULOU, Christina (GSI); KOZHUHAROV, Christoph (GSI, Darmstadt); Dr SZABO-FOSTER, Csilla (Lab. Kastler Brossel, Université P. et M. Curie, Paris, France); Dr WINTERS, Danyal (GSI, Darmstadt); Dr BANAS, Darek (Institute of Physics, Swietokrzyska Academy, Kielce, Poland); Dr ZIEGLER, Eric (ESRF, Grenoble, France); BOSCH, Fritz (GSI); Mr NOLDEN, Fritz (GSI); Prof. ECKHART, Förster (Inst. für Optik und Quantenelektronik, F. Schiller-Universität, Jena, Germany); WEBER, Günter (GSI, Darmstadt); LIESEN, Heinz-Dieter (GSI, Darmstadt); Dr USCHMANN, Ingo (Inst. für Optik und Quantenelektronik, F. Schiller-Universität, Jena, Germany); Mr SCHULZE, Kai-Sven (Helmholtz-Institut Jena, Jena, Germany); BLUMENHAGEN, Karl-Heinz (GSI, Darmstadt); Dr STECK, Markus (GSI, Darmstadt); Dr TRASSINELLI, Martino (Institut des Nanosciences de Paris, Université Pierre et Marie Curie-Paris 6 and CNRS-UMR 7588, Paris, France); SCHWEMLEIN, Max (GSI, Darmstadt); Dr LESTINSKY, Michael (GSI, Darmstadt); WINTERS, Natalya (GSI, Darmstadt); WINCKLER, Nicolas (GSI, Darmstadt); PETRIDIS, Nikolaos (GSI, Darmstadt); Dr WEHRHAN, Ortrud (Helmholtz-Institut Jena, Jena, Germany); Prof. INDELICATO, Paul (Lab. Kastler Brossel, Université P. et M. Curie, Paris, France); Dr JAGODZINSKI, Pawel (Institute of Physics, Swietokrzyska Academy, Kielce, Poland); HILLENBRAND, Pierre-Michel (GSI, Darmstadt); HESS, Regina (GSI, Darmstadt); MÄRTIN, Renate (GSI, Darmstadt); Dr LÖTZSCH, Robert (Helmholtz-Institut Jena, Jena, Germany); Dr TROTSENKO, Sergiy (Helmholtz Institute Jena / GSI); Dr SANJARI, Shahab (GSI, Darmstadt); HAGMANN, Siegbert (Goethe-Universität Frankfurt(UFfm-IKP)/GSI-Darmstadt); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr KÄMPFER, Tino (Helmholtz-Institut Jena, Jena, Germany); SPILLMANN, Uwe (GSI, Darmstadt); CHEN, Weidong (GSI, Darmstadt); Dr LITVINOV, Yuri (GSI, Darmstadt)**Presenter:** GASSNER, Tobias (GSI, Darmstadt)**Session Classification:** Thu

Contribution ID: 71

Type: **Poster**

Applications of a Barrier Bucket Cavity for the Accumulation of Rare Isotope Beams in the ESR

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: NOLDEN, Fritz (GSI)

Co-authors: Mr FRANZKE, Bernhard (GSI); Dr KLINGBEIL, Harald (Gesellschaft für Schwerionenforschung mbH); Dr STECK, Markus (GSI, Darmstadt); Mr FREY, Michael (GSI); Prof. HÜLSMANN, Peter (GSI); Mr LITVINOV, Sergey (GSI, Darmstadt)

Presenter: NOLDEN, Fritz (GSI)

Session Classification: Poster session

Contribution ID: 72

Type: **Poster**

Orbital electron capture decay rates of highly charged heavy ions at the ESR

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: WINCKLER, Nicolas (GSI, Darmstadt)

Co-authors: Mr ATANASOV, Dinko (Max-Planck-Institut für Kernphysik); BOSCH, Fritz (GSI); GEISEL, Hans (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Prof. BLAUM, Klaus (Max-Planck-Institut für Kernphysik); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr LITVINOV, Yuri (GSI, Darmstadt)

Presenter: WINCKLER, Nicolas (GSI, Darmstadt)

Session Classification: Poster session

Contribution ID: 73

Type: **Poster**

Prospects for laser spectroscopy of highly charged ions with high harmonic XUV and soft X-ray sources

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: ROTHHARDT, Jan (Helmholtz-Institute Jena)

Co-authors: TÜNNERMANN, Andreas (Friedrich-Schiller-University Jena); Dr WINTERS, Danyal (GSI, Darmstadt); LIMPert, Jena (Friedrich-Schiller_University Jena); KREBS, Manuel (Friedrich-Schiller-University Jena); DEMMLER, Stefan (Friedrich-Schiller-University Jena); HÄDRICH, Steffen (Friedrich-Schiller-University Jena); KÜHL, Thomas (GSI, Darmstadt); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Presenter: ROTHHARDT, Jan (Helmholtz-Institute Jena)

Session Classification: Poster session

Contribution ID: 74

Type: **Poster**

Metallic Magnetic Calorimeters for High-Resolution X-ray Spectroscopy

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: HENGSTLER, Daniel (Kirchhoff Institute for Physics)

Presenter: HENGSTLER, Daniel (Kirchhoff Institute for Physics)

Session Classification: Poster session

Track Classification: Targets and detectors

Contribution ID: 75

Type: **Talk**

Metallic Magnetic Calorimeters for High-Resolution X-ray Spectroscopy

Thursday, October 2, 2014 12:30 PM (20 minutes)

Primary author: HENGSTLER, Daniel (Kirchhoff Institute for Physics)

Presenter: HENGSTLER, Daniel (Kirchhoff Institute for Physics)

Session Classification: Thu

Track Classification: Targets and detectors

Contribution ID: 76

Type: **Poster**

Hadronic cross sections measurement with the SND detector at VEPP-2000 e+e- collider

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: KHARLAMOV, Alexey (BINP)

Presenter: KHARLAMOV, Alexey (BINP)

Session Classification: Poster session

Contribution ID: 77

Type: **Poster**

Search for T-odd P-even signal in the Proton - Deuteron Scattering

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary authors: TEMERBAYEV, Azamat (Eurasian National University, Astana, Kazakhstan); Dr UZIKOV, Yury (Joint Institute for Nuclear Research, Dubna, Russia)

Presenter: TEMERBAYEV, Azamat (Eurasian National University, Astana, Kazakhstan)

Session Classification: Poster session

Contribution ID: 78

Type: **Poster**

Compton polarimetry with hard X-rays using segmented solid state detectors

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary authors: BLUMENHAGEN, Karl-Heinz (Helmholtz-Institut Jena); SPILLMANN, Uwe (GSI, Darmstadt)

Co-authors: GUMBERIDZE, Alexandre (GSI, Darmstadt); Dr WEBER, Günter (Helmholtz-Institut Jena); Dr RUSANOV, Ivan (GSI); HOFFMANN, Jan (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr KOCH, Karsten (GSI); Mr SCHWEMLEIN, Max (EMMI); KURZ, Nikolaus (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr MÄRTIN, Renate (Helmholtz-Institut Jena); Dr MINAMI, Shizu (GSI); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Presenters: BLUMENHAGEN, Karl-Heinz (Helmholtz-Institut Jena); SPILLMANN, Uwe (GSI, Darmstadt)

Session Classification: Poster session

Contribution ID: 79

Type: **Talk**

Toward polarized antiprotons: Machine development for Spin-filtering Experiments at COSY

Wednesday, October 1, 2014 11:00 AM (20 minutes)

Primary author: WEIDEMANN, Christian (Universita di Ferrara and INFN, 44122 Ferrara, Italy)

Presenter: WEIDEMANN, Christian (Universita di Ferrara and INFN, 44122 Ferrara, Italy)

Session Classification: Wed

Contribution ID: **80**

Type: **Poster**

HILITE - Ions in Intense Photon Fields

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary authors: VOGEL, Manuel (GSI, Darmstadt); RINGLEB, Stefan (Helmholtz-Institute Jena)

Co-authors: Prof. PAULUS, Gerhard (Institut für Optik und Quantenelektronik Friedrich Schiller Universität Jena); STÖHLKER, Thomas (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)); Dr QUINT, Wolfgang (GSI)

Presenter: RINGLEB, Stefan (Helmholtz-Institute Jena)

Session Classification: Poster session

Contribution ID: **81**

Type: **Talk**

The MOTReMi: A versatile tool to study ion-atom collisions

Friday, October 3, 2014 9:50 AM (20 minutes)

Primary authors: Dr FISCHER, Daniel (Max-Planck-Institut für Kernphysik); SCHURICKE, Michael (Max Planck Institute for Nuclear Physics)

Presenter: SCHURICKE, Michael (Max Planck Institute for Nuclear Physics)

Session Classification: Fri

Contribution ID: 82

Type: **Poster**

A 3D Molecular Fragmentation Imaging detector for the Cryogenic Storage Ring

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: BECKER, Arno (Max Planck Institut für Kernphysik)

Co-authors: Prof. WOLF, Andreas (MPI, Heidelberg); KRANTZ, Claude (Max-Planck-Institut für Kernphysik); SPRUCK, Kaija (IAMP, Uni Giessen); Dr NOVOTNY, Oldrich (Columbia Astrophysics Laboratory, New York, USA); VOGEL, S. (MPIK Heidelberg); Prof. URBAIN, Xavier (Université catholique de Louvain, Louvain-la-Neuve, Belgium)

Presenter: BECKER, Arno (Max Planck Institut für Kernphysik)

Session Classification: Poster session

Track Classification: Targets and detectors

Contribution ID: 83

Type: **Poster**

Total projectile-ionization cross-sections of many-electron uranium ions in collisions with various gaseous targets

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: WEBER, Günter (GSI, Darmstadt)

Presenter: WEBER, Günter (GSI, Darmstadt)

Session Classification: Poster session

Contribution ID: **84**

Type: **Poster**

The CSR reaction microscope

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: ZHANG, Shaofeng (MPIK Heidelberg)

Presenter: ZHANG, Shaofeng (MPIK Heidelberg)

Session Classification: Poster session

Contribution ID: 85

Type: **Poster**

Nuclear structure studies in the Rb and Cs region using high-precision Penning-trap mass data

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: ATANASOV, Dinko (Max-Planck Institute for Nuclear Physics)

Presenter: ATANASOV, Dinko (Max-Planck Institute for Nuclear Physics)

Session Classification: Poster session

Contribution ID: 87

Type: **Talk**

The TSR@ISOLDE Project at CERN

Friday, October 3, 2014 8:30 AM (30 minutes)

Primary author: RAABE, Riccardo (KU Leuven, Instituut voor Kern- en Stralingsfysica)

Presenter: RAABE, Riccardo (KU Leuven, Instituut voor Kern- en Stralingsfysica)

Session Classification: Fri

Track Classification: Future facilities

Contribution ID: **88**

Type: **Poster**

Development of a VUV-VIS-Spectrometer for Target Characterisation

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: REISS, Philipp (Institute of Physics and CINSaT, University of Kassel)

Co-authors: Dr KNEE, Andre (Institute of Physics and CINSaT, University of Kassel); Prof. EHRESMANN, Arno (Institute of Physics and CINSaT, University of Kassel)

Presenter: REISS, Philipp (Institute of Physics and CINSaT, University of Kassel)

Session Classification: Poster session

Track Classification: Elementary atomic processes explored with cooled few-electron ions

Contribution ID: 89

Type: **Poster**

Proton-proton elastic scattering studies using the internal target at COSY

Tuesday, September 30, 2014 8:00 PM (2 hours)

Primary author: BAGDASARIAN, Zara (Forschungszentrum Juelich)

Presenter: BAGDASARIAN, Zara (Forschungszentrum Juelich)

Session Classification: Poster session

Track Classification: Hadron spectroscopy and sub-nucleonic degrees of freedom

Contribution ID: 90

Type: **Talk**

From CELSIUS to COSY: On the Observation of a Dibaryon Resonance

Monday, September 29, 2014 3:30 PM (20 minutes)

Primary author: CLEMENT, Heinz (Eberhard Karls Universität Tübingen(UT-PIT))

Presenter: CLEMENT, Heinz (Eberhard Karls Universität Tübingen(UT-PIT))

Session Classification: Mon

Track Classification: Hadron spectroscopy and sub-nucleonic degrees of freedom

Contribution ID: **91**

Type: **Talk**

The PANDA Central Straw Tracker

Thursday, October 2, 2014 5:40 PM (20 minutes)

Primary author: SERDYUK, Valeriy (Forschungszentrum Jülich(FzJü))

Presenter: SERDYUK, Valeriy (Forschungszentrum Jülich(FzJü))

Session Classification: Thu

Track Classification: Targets and detectors

Contribution ID: 92

Type: **Talk**

First Nuclear Transfer Reaction Measurement at the ESR, For the Investigation of the $^{15}\text{O}(\alpha,\gamma)^{19}\text{Ne}$ reaction

Tuesday, September 30, 2014 5:40 PM (20 minutes)

Primary author: DOHERTY, Dan (School of Physics and Astronomy, University of Edinburgh)

Presenter: DOHERTY, Dan (School of Physics and Astronomy, University of Edinburgh)

Session Classification: Tue

Track Classification: Nuclear structure and astrophysics

Contribution ID: 93

Type: **Talk**

A SQUID-based Beam Current Monitor for FAIR/CRYRING

Friday, October 3, 2014 10:10 AM (20 minutes)

Primary author: GEITHNER, René (Helmholtz-Institut Jena)

Co-authors: KURIAN, Febin (GSI, Darmstadt); REEG, Hansjörg (GSI, Darmstadt); Dr SCHWICKERT, Marcus (Gesellschaft für Schwerionenforschung mbH); SEIDEL, P. (Institut für Festkörperphysik, Friedrich-Schiller-Universität Jena); NEUBERT, Ralf (Institut für Festkörperphysik, Friedrich-Schiller-Universität Jena); STÖHLKER, Thomas (GSI, Darmstadt)

Presenter: GEITHNER, René (Helmholtz-Institut Jena)

Session Classification: Fri

Track Classification: Beam-cooling, manipulation and diagnostics

Contribution ID: 94

Type: **Talk**

Welcome Address

Monday, September 29, 2014 9:05 AM (15 minutes)

Presenter: STÖCKER, Horst (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Opening

Contribution ID: 95

Type: **Talk**

Present status of the Rare-RI Ring facility at RIBF

Thursday, October 2, 2014 3:30 PM (30 minutes)

Primary author: YAMAGUCHI, Takayuki (Saitama Univ.)

Presenter: YAMAGUCHI, Takayuki (Saitama Univ.)

Session Classification: Thu

Track Classification: Stored radioactive beams

Contribution ID: 96

Type: **Talk**

Electric Dipole Moment Measurements at Storage Rings

Friday, October 3, 2014 11:40 AM (30 minutes)

Primary author: PRETZ, Joerg (RWTH Aachen)

Presenter: PRETZ, Joerg (RWTH Aachen)

Session Classification: Fri

Track Classification: Hadron spectroscopy and sub-nucleonic degrees of freedom

Contribution ID: 97

Type: **Talk**

Physics with low energy antiprotons

Wednesday, October 1, 2014 10:30 AM (30 minutes)

Primary author: WIDMANN, Eberhard (Stefan Meyer Institute)

Presenter: WIDMANN, Eberhard (Stefan Meyer Institute)

Session Classification: Wed

Contribution ID: 98

Type: **Talk**

Electrostatic Storage Rings

Wednesday, October 1, 2014 8:00 AM (40 minutes)

Primary author: SCHMIDT, Henning (Stockholm University)

Presenter: SCHMIDT, Henning (Stockholm University)

Session Classification: Wed

Contribution ID: 99

Type: **Talk**

Lifetime Measurements of Nuclei in Few-Electron Ions

Tuesday, September 30, 2014 4:50 PM (30 minutes)

Primary author: FAESTERMANN, Thomas (Physik Dept. E12, TU München)

Presenter: FAESTERMANN, Thomas (Physik Dept. E12, TU München)

Session Classification: Tue

Contribution ID: **100**

Type: **Talk**

The EXL project, recent results and the future perspectives

Monday, September 29, 2014 11:50 AM (30 minutes)

Primary author: KISELEV, Oleg (GSI, Darmstadt)

Presenter: KISELEV, Oleg (GSI, Darmstadt)

Session Classification: Mon

Track Classification: Nuclear structure and astrophysics

Contribution ID: **101**Type: **Talk**

Modern Quests in Nuclear Astrophysics

Monday, September 29, 2014 10:00 AM (40 minutes)

Exotic nuclei and their properties play an important role in many astrophysical scenarios. During the supernova collapse electron captures on protons in neutron-rich nuclei is the dominating weak-interaction process. Here decisive progress has been achieved due to large-scale shell model calculations, constrained by data obtained from charge-exchange measurements on nuclei. Recently nuclear deexcitation by neutrino pair emission has been explored for the first time in supernova simulations. It has little effect on the dynamics, but is the major source of muon and tau neutrinos during the collapse phase. Important progress has also been achieved to describe inelastic neutrino-nucleus scattering on nuclei at the finite temperature of the collapse. Finally supernovae are also the site of explosive nucleosynthesis. This site as well as the mergers of two neutron stars are explored as the potential sites of the astrophysical r-process.

Presenter: LANGANKE, Karlheinz (GSI, Darmstadt)

Session Classification: Mon

Contribution ID: **102**Type: **Talk**

In-ring experiments for nuclear astrophysics

Monday, September 29, 2014 11:10 AM (40 minutes)

The talk will initially review the first generation of nuclear reaction experiments with heavy ions on the ESR storage ring at GSI which have aimed at addressing key issues in nuclear astrophysics including the astrophysical p-process and the triggering of X-ray bursts. The talk will then go on to explore exciting new initiatives with an emphasis on the use of radioactive beams for such measurements.

Presenter: WOODS, Phil (University of Edinburgh(UE-SP))

Session Classification: Mon

Contribution ID: **106**

Type: **Talk**

Fundamental Symmetries and Interactions

Friday, October 3, 2014 11:00 AM (40 minutes)

Presenter: JUNGSMANN, Klaus (FMNS, University of Groningen)

Session Classification: Fri

Contribution ID: **107**Type: **Talk**

DAΦNE and KLOE-2 physics run

Monday, September 29, 2014 2:50 PM (40 minutes)

The DAΦNE collider, located in the Frascati National Laboratories of INFN, has two main rings, where electrons and positrons are stored to collide at a center of mass energy of 1.02 GeV, the Φ resonance mass. KLOE-2 experiment is located at the collider interaction region. The detector is capable to observe and collect data coming from Φ decay: charged and neutral kaon pairs, lighter unflavoured mesons (η , η' , f_0 , a_0 , ω/ρ).

In the first half of 2013 the KLOE detector has been upgraded inserting new detector layers in the inner part of the apparatus, around the interaction region: a new tracking system, Inner tracker, to improve tracking efficiency and vertex resolution and two new calorimeters, QCAL and CCAL-T in order to improve detector hermeticity and acceptance. The long shutdown has been used to undertake a general consolidation program aimed at improving the Φ -Factory operation stability and reliability and, in turn, the collider uptime.

The DAΦNE collider has been successfully commissioned after the experimental detector modification and a major upgrade and consolidation program involving a large part of the accelerator complex.

This contribution presents the Φ -Factory setup and the achieved performances in terms of beam currents, luminosity, detector background and related aspects together with the KLOE-2 physics program, upgrade status report and recent physics results.

Presenter: DE SANTIS, Antonio (Laboratori Nazionali di Frascati - INFN)

Session Classification: Mon

Contribution ID: **108**Type: **Talk**

BES III

Monday, September 29, 2014 3:50 PM (20 minutes)

At present, the charmonium spectrum above the open charm threshold is far from being understood.

While only few predicted states have been found, the properties of many of the observed states do not match the expectations.

The BESIII experiment has accumulated large data samples in electron–positron annihilations in the charm energy region.

Recent results from these data will be presented with a special focus on the charmonium–like Z states.

Presenter: WOLKE, Magnus (Uppsala University(IKP-U))

Session Classification: Mon

Contribution ID: **109**

Type: **Talk**

The SCRIT electron scattering project at RIKEN RI Beam Factory

Thursday, October 2, 2014 4:50 PM (30 minutes)

Presenter: OHNISHI, Tetsuya (RIKEN)

Session Classification: Thu

Contribution ID: 110

Type: **Talk**

The Nuclotron/NICA Project at JINR

Friday, October 3, 2014 2:40 PM (30 minutes)

The NICA (Nuclotron-based Ion Collider fAcility) complex is presently under realization phase at JINR [1]. The main goal of the NICA scientific program is an experimental study of hot and dense strongly interacting matter in heavy ion collisions at nucleon-nucleon centre-of-mass energies of 4-11 GeV and at average luminosity of $10^{27} \text{ cm}^{-2}\text{s}^{-1}$ for Au (79+) in the collider mode. In parallel, fixed target experiments at the upgraded JINR superconducting synchrotron Nuclotron are carried out with the extracted beams of various nuclei species up to gold with the momenta up to 13 GeV/c for protons. The program also foresees a study of spin physics with extracted and colliding beams of polarized deuterons and protons at the centre-of-mass energies up to 26 GeV for proton collisions. The proposed program allows to search for possible signs of the mixed phase and critical endpoint, and to shed more light on the problem of nucleon spin structure.

An overview of the NICA project as well as the present project status will be presented.

References

[1] N. Agapov et al. (NICA Collaboration), Design and Construction of Nuclotron-based Ion Collider fAcility (NICA), Conceptual Design Report, Dubna, 2008; <http://nica.jinr.ru>.

Presenters: SIDORIN, Anatoly (JINR, Dubna); SHURKHNO, Nikolay

Session Classification: Fri

Contribution ID: **111**

Type: **Talk**

The NuSTAR Project at FAIR

Tuesday, September 30, 2014 9:00 AM (30 minutes)

Presenter: NILSSON, Thomas (Fundamental Physics, Chalmers)

Session Classification: Tue

Contribution ID: 112

Type: **Talk**

Physics prospects with PANDA at FAIR

Tuesday, September 30, 2014 9:30 AM (30 minutes)

Presenter: BRINKMANN, Kai-Thomas (II. Physikalisches Institut, JLU Gießen)

Session Classification: Tue

Contribution ID: **113**

Type: **Talk**

Storage rings at FAIR

Tuesday, September 30, 2014 8:30 AM (30 minutes)

Presenter: PRASUHN, Dieter (FZ Jülich)

Session Classification: Tue

Contribution ID: 114

Type: **Talk**

The FAIR Project

Friday, October 3, 2014 2:10 PM (30 minutes)

The Facility for Antiproton and Ion Research in Europe, FAIR, will provide worldwide unique accelerator and experimental detectors allowing for a large variety of unprecedented fore-front research in extreme state of matter physics and applied science. This presentation outlines the results of ongoing experimental activities on heavy ion accelerator facilities, providing intense beams capable of generating extreme state of matter by isochoric energy deposition regime. Considerations are focused on new experiments by using large synchrotron rings which appear to be efficient tools for investigations into the physics of high-brightness beams generation and high energy density research.

Development of new plasma diagnostic methods for high resolution measurements of dense, non-ideal plasmas parameters is discussed.

Reference: www.fair-center.eu

Presenter: SHARKOV, Boris (Facility for Antiproton and Ion Research in Europe GmbH(FAIR))

Session Classification: Fri

Contribution ID: 115

Type: **Talk**

Future radioactive-ion beam facilities

Friday, October 3, 2014 4:10 PM (40 minutes)

Presenter: GALES, Sydney (IFIN-HH/ELI-NP)

Session Classification: Fri

Contribution ID: **116**

Type: **Talk**

Reaction microscopes at storage rings

Friday, October 3, 2014 9:20 AM (30 minutes)

Presenter: FISCHER, Daniel (Max-Planck-Institut für Kernphysik)

Session Classification: Fri

Contribution ID: 117

Type: **Talk**

QED at storage rings: theory and experiments

Tuesday, September 30, 2014 11:10 AM (30 minutes)

Presenter: INDELICATO, Paul (Laboratoire Kastler Brossel, Université Pierre et Marie Curie, CNRS, ENS)

Session Classification: Tue

Contribution ID: **118**

Type: **Talk**

Results and perspectives of direct mass measurements with stored relativistic exotic nuclei

Monday, September 29, 2014 5:10 PM (30 minutes)

Primary author: KNÖBEL, Ronja (GSI, Darmstadt)

Presenter: KNÖBEL, Ronja (GSI, Darmstadt)

Session Classification: Mon

Contribution ID: 119

Type: **Talk**

Precision mass measurements of short-lived nuclides at storage ring in Lanzhou

Monday, September 29, 2014 4:40 PM (30 minutes)

Primary author: ZHANG, Yuhu (IMP, Lanzhou)

Presenter: ZHANG, Yuhu (IMP, Lanzhou)

Session Classification: Mon

Contribution ID: **120**

Type: **Talk**

Penning traps for fundamental tests of nature

Tuesday, September 30, 2014 2:10 PM (40 minutes)

Primary author: BLAUM, Klaus (Max-Planck-Institut für Kernphysik)

Presenter: BLAUM, Klaus (Max-Planck-Institut für Kernphysik)

Session Classification: Tue

Contribution ID: **121**

Type: **Talk**

Electron Cooling at COSY/HESR

Thursday, October 2, 2014 8:30 AM (30 minutes)

Presenter: KAMERDZHIEV, Vsevolod (Forschungszentrum Jülich(FzJü))

Session Classification: Thu