

Invited Talks at other Institutes

Ackermann, D.:

Synthesis of Super Heavy Elements – Status and Developments

ANL, Argonne, USA, 11.11.2002

Aumann, T.:

Exotic Nuclei Investigated via Reactions of High-Energy Radioactive Beams

KVI, Groningen, The Netherlands, 07.05.2002

Untersuchungen von exotischen Kernen mit hochenergetischen Sekundärstrahlen

University of Frankfurt, Germany, 18.09.2002

Beier, T.:

The Most Precise Value of the Electron's Mass – Determined from the g-Factor of the Electron in Hydrogenlike Carbon

University of Giessen, Germany, 24.01.2002

Ein neuer Wert für die Masse des Elektrons – dreimal genauer als der alte

University of Bonn, Germany, 18.04.2002

A New Value for the Mass of the Electron

University of Heidelberg, Germany, 03.06.2002

A New Value for the Mass of the Electron

MPI f. Kernphys., Heidelberg, Germany, 03.06.2002

QED in Highly Charged Ions

Northwest Normal Univ., Lanzhou, China, 22.08.02

QED in Highly Charged Ions and the New Value for the Mass of the Electron

Inst. of Mod. Phys., Lanzhou, China, 23.08.2002

The Most Precise Value for the Mass of the Electron – from QED and a Cool Trap

TU Dresden, Germany, 15.11.2002

Blaum, K.:

High Precision Mass Measurements on Exotic Nuclei with ISOLTRAP

University of Munich, Germany, 2002

High-Accuracy Atomic Mass Measurements on Exotic Nuclei with ISOLTRAP

University of Frankfurt, Germany, 2002

Accurate Atomic Masses: Status and Perspectives of Penning Trap Measurements

University of Greifswald, Germany, 2002

Cholewa, M.:

From a Single Cell Irradiation to Cancer Therapy

University of Melbourne, Australia, 20.06.02

A Single Ion Hit Facility at GSI and its Appl.

BNL, Upton, USA, 30.08.02

A Single Ion Hit Facility at GSI and its Bio-Medical Applications

University of Columbia, New York, USA, 03.09.02

How a Single Ion Hit Facility at GSI could be Applied in Biology

Cracow, Poland, 03.10.02

How and Why to Shut Single Living Cell

University of Melbourne, Australia, 04.12.02

Egelhof, P.:

Calorimetric Low-Temperature Detectors for Applications in Atomic and Nuclear Physics

NASA/Goddard Space Flight Center, Greenbelt, USA, 24.01.2002

Probing the Halo Structure of Exotic Nuclei by Direct Reactions with Radioactive Beams

University of Bâle, Switzerland, 25.04.2002

Emling, H.:

Experiments with Beams of Exotic Nuclei – Nuclear Structure and Astrophysical Aspects

University of Bâle, Switzerland, 13.12.2002

Groezinger, S.:

Tumorthérapie mit schweren Ionen – Untersuchungen mit Bestrahlung bewegter Zielvolumina

University of Bonn, Germany, 15.11.2002

Henning, W.:

Blick in die Zukunft der Schwerionenforschung zu Beginn des neuen Jahrtausends

Lions-Club, Darmstadt, Germany, 16.01.2002

Pläne für das künftige Forschungsprogramm bei der GSI - Beschleunigeranlage für exotische Strahlen und Antimaterie

University of Heidelberg, Germany, 15.02.2002

Future Plans at GSI: Beams of Ions and Anti-protons

Inst. of Nucl. Phys., Novosibirsk, Russia, 29.04.2002

Das GSI-Zukunftsprojekt – Beschleunigeranlage für exotische Strahlen und Antimaterie

TU Darmstadt, Germany, 03.05.2002

The Atom. Nucleus: Core of Matter Fuel of Stars

Acad. Session der Generalversammlung der IUPAP, Berlin, Germany, 10./11.10.2002

Invited Talks at other Institutes

The GSI Future Facility – Structure of Matter in the Regime of the Strong Force

Phys. Div. Coll. ANL, Argonne, USA, 06.12.2002

Struktur der Materie im Bereich der starken Wechselwirkung – GSI heute und morgen

University of Bonn, Germany, 13.12.2002

Hofmann, S.:

Atomgewicht 300 – auf dem Weg zu Superschweren Elementen

ETH, Zürich, Switzerland, 22.01.2002

Synth. and Properties of Superheavy Elements

Univ. of Tokyo, Japan, 27.09.2002

Synth. and Properties of Superheavy Elements

JAERI, Tokai, Japan, 30.09.2002

Synth. and Properties of Superheavy Elements

RIKEN, Saitama, Japan, 01.10.2002

Synth. and Properties of Superheavy Elements

Univ. of Kyoto, Japan, 02.10.2002

Synth. and Properties of Superheavy Elements

Univ. of Kobe, Japan, 04.10.2002

Jones, K.:

The Halo Nucl. ^{14}Be + the Unbound Nucl. ^{13}Be

ORNL, Oak Ridge, USA, 19.06.2002

Kirchner, R.:

Low-Energy Radioactive Ion Beams by ISOL

JINR, Dubna, Russia, 04.04.02

Kluge, H.-J.:

Heavy Ions at GSI: Status and Future

TRIUMF, Vancouver, Canada, 14.02.2002

Precision by Cooling: Atomic and Nuclear Physics in Small and Large Ion Traps

University of Stockholm, Sweden, 17.06.2002

Precision by Cooling: Atomic and Nuclear Physics in Small and Large Ion Traps

Univ. of Amsterdam, The Netherlands, 28.06.2002

The On-Line Isotope Separat. ISAC at TRIUMF

University of Mainz, Germany, 05.12.2002

Knoll, J.:

Conserving Transport for Unstable Particles

University of Bielefeld, Germany, 07.05.2002

Conserving Transport for Resonances and Particles

University of Tübingen, Germany, 28.05.2002

Kraft, G.:

Radiation Biology of High LET

CERN, Geneva, Switzerland, Enlight-Workshop, 12.02.2002

Eine Anwendung nuklearer Methoden: Tumortherapie mit Schwerionen

FZ Rossendorf, Dresden, Germany, 01.03.2002

Physikalische Aspekte der Strahlentherapie mit schnellen Ionen

DPG Tagung, Leipzig, Germany, 2002

Ion Beam Therapy: An Application of Nuclear and Atomic Physics

Radiation Physics with Ion Beams: Research for Radiobiology and its Application in Space and Tumor Therapy

University of Cracow, Poland, 4./5.04.2002

Tumortherapy with Heavy Charged Particles

Eng. and Phys. Res. Council, Manchester, United Kingdom, 13.05.02

Physical Background and Centers of Hadron Therapy

ICRO/ÖGRO Tag., Salzburg, Austria, 17.05.2002

The Benefit of Carbon Beams Compared to other Ion Beams

Ass. Ital. di Radiobiol., Turin, Italy, 25.10.2002

Vorteile der Kohlenstoff- gegenüber Protonentherapie

Fa. Siemens, Med. Group, Erlangen, Germany, 26.10.2002

Schwerionen: Die Zukunft der Teilchentherapie

Munich, Germany, 03.12.2002

Heilen mit Hadronen, Anwend. von Grundlagenforschung von Atom- und Kernphysik in der Strahlentherapie von Tumoren

Saturday Morning Physics, TU Darmstadt, Germany, 07.12.2002

Strahlenbiophysik mit Schwerionen und die Anwendung in Tumortherapie und Weltraumforschung

Ringvorlesung Bionik, TU Darmstadt, Germany, 11.12.2002

Lutz, M.F.M.:

Hadrons in Nuclear Matter and Coupled Channel Dynamics

RNM Meet., Univ. of Frankfurt, Germany, 25.04.2002

Invited Talks at other Institutes

Coupled Channel Dynamics and Nucleon Resonances

ANL, USA, 29.07.2002

Scattering of Vector Mesons Off Nucleons

Univ. of Mainz, Germany, 28.10.2002

CPT Verletzung im Antiwasserstoff?

Univ. of Darmstadt, Germany, 15.11.2002

Baryon Resonances, Vector Mesons in Nuclear Matter and Coupled Channel Dynamics

NBI Copenhagen, Denmark, 17.12.2002

Mazzocchi, C.:

Recent Measurements at the GSI On-Line Mass Separator

University of Warsaw, Poland, 06.11.02

Mokler, P.H.

Atomphysik bei starken Zentralfeldern

TU Berlin, Germany, 10.02.2002

Atomic Physics at Strong Central Fields

University of Cracow, Poland, 10.12.2002

Atomic Physics Research at SIS and ESR

Inst. of Mod. Phys. Lanzhou, China, 24.09.2002

The Future GSI Accelerator Facilities and the Atomic Physics Research

Inst. of Mod. Phys., Lanzhou, China, 09.10.2002

Electron-Electron Interaction Measured in Strong Fields

Inst. of Mod. Phys., Lanzhou, China, 17.10.2002

X-Rays – From the Discovery to Modern Sciences

Inst. of Mod. Phys., Lanzhou, China, 23.10.2002

Röntgens Discovery and the History of X-Ray Technology

Northwest Normal Univ., Lanzhou, China, 18.10.02

Mukha, I.:

Discovery of the Two-Proton Radioactivity

Kurchatov Institute, Moscow, Russia, 30.05.02

Decay Studies of Proton-Rich Nuclei in the Mass Region $45 \leq A \leq 100$

IKS, University of Leuven, Belgium, 08.11.02

Neumann, R.:

Aspekte der Materialforschung mit relativistischen Schwerionenstrahlen im Hinblick auf das GSI-Zukunftsprojekt

HMI, Berlin, Germany, 05.04.2002

Materials Research with Heavy Ions at GSI

Inst. of Technology, Kanpur, India, 01.10.2002

Recent Results in Materials Research at GSI

Nucl. Science Center, New Dehli, India, 31.10.2002

Peter, I.:

Reise zum Urknall

Berufskolleg Köln, Germany, 29.01.2002

Reise zum Urknall

Gymnasium Bernkastel-Kues, Germany, 16.04.2002

Reise zum Urknall

Gymnasium Wertingen, Germany, 02.05.2002

Ritter, S.:

Radiation-Induced Chromosome Aberrations: Effect of LET and Sampling Time

NIRS, Chiba, Japan, 29.04.02

Differences in the Expression of High and Low LET Induced Chromosomal Damage

LBNL, Berkeley, USA, 23.10.02.

Schädel, M.:

Die Chemie superschwerer Elemente und ihre Einordnung in das Periodensystem

GDCh-Fachgruppe Nuklearchemie, Mainz, Germany, 22.02.2002

Chemistry of Superheavy Elements

INE, FZ Karlsruhe, Germany, 20.06.2002

Scheidenberger, C.:

Experimente mit radioaktiven Strahlen am Super FRS

Grad. Koll. Physik und Technik von Beschleunigern, GSI Darmstadt, Germany, 16.01.02

Atomic Masses and Nuclear Decay Rates of Exotic Nuclei Investigated at FRS-ESR

GANIL, Caen, France, 31.10.2002

Massen- und Lebensdauer messung kurzlebiger Kerne am Experimentierspeicherring ESR

University of Tübingen, Germany, 13.11.2002

Schlitt, B.:

Der Injektor-Linac für den Therapiebeschleuniger Heidelberg

University of Frankfurt, Germany, 26.06.2002

Scholz, M.:

Estimation of RBE for Treatment Planning in Ion Beam Tumor Therapy

Karolinska Inst., Stockholm, Sweden, 18.04.2002

Invited Talks at other Institutes

Physikalische und strahlenbiologische Aspekte der Tumorthherapie mit Schwerionenstrahlen

Jahrestagung der Ges. f. Biol. Strahlenforschung, Göttingen, Germany, 27.09.2002

Modelling of Biol. Eff. of Charged Part. Beams Based on the Rad. Dose Profile of Charged Part. Tracks and the Photon Dose Response Curve

34th COSPAR Scientific Assembly, Houston, USA, 15.10.2002

Modelling of Biol. Eff. of High-LET Rad. Base on Charged Part. Track Structure and Low-LET Radiosensitivity

LBNL Berkeley, USA, 21.10.2002

Heavy Ion Biophysics and Therapy at GSI

LLUMC, Loma Linda, USA, 24.10.2002

Radiobiology for Ion Beam Therapy

Karolinska Inst., Stockholm, Sweden, 15.11.2002

Senger, P.:

Seltsame Teilchen in dichter Kernmaterie

FZ Rossendorf, Germany, 01.03.2002

Exploring Superdense Baryonic Matter – Nucleus-Nucleus Collisions at the Future Accelerator at GSI

DAPNIA, Saclay, France, 22.03.2002

Future Nucl.-Nucl. Coll. Exp. at SIS200/GSI

SUNY, Stony Brook, USA, 10.06.2002

Exploring Superdense Baryonic Matter – Nucleus-Nucleus Collision Experiments at the Future Accelerator at GSI

BNL, Upton, USA, 11.06.2002

Future Nucl.-Nucl. Coll. Exp. at SIS200/GSI

LBNL, Berkeley, USA, 14.06.2002

Stöhlker, T.

Präzisionsexp. am wasserstoffähnlichen Uran

FU Berlin, Germany, 30.05.2002

Relativistic Quantum Dynamics Explored in Atomic Collisions of High-Z Ions

MPI Heidelberg, Germany, June 2002

Sümmerer, K.:

Neues von der solaren Fusionsreaktion

${}^7\text{Be}(p,\gamma){}^8\text{B}$

Univ. of Munich, Garching, Germany, 18.01.02

SIS100/200 and Super-FRS: a Proposal for a Next-Generation In-Flight Exotic Beam Facility at GSI

IPN, Orsay, France, 18.11.02

Siwy, Z.:

Heavy Ions as a Tool for Nanostructuring the Materials

University of Florida, Gainesville, USA,

04.03.2002

Rectification and Voltage-Gating of Ion Current in a Nanofabricated Pore

University of Munich, Germany, 17.05.2002

Ion Transport Through Track-Etched Nanopores

BNL, Upton, USA, 30.08.2002

Orign of 1/f Noise and Rectification in Membrane Channels Currents

University of Augsburg, Germany, 28.11.2002

Tomaselli, M.:

A Non-Perturbative Formulation of Many-Body Dynamics within an Extended Heisenberg Equation

TU Darmstadt, Germany, 13.05.2002

Theoretical Model for Analyzing Experiments in Atomic and Nuclear Physics

LANL, Los. Alamos, USA, 08.08.2002

Trautmann, C.:

Material Modification Induced by MeV-GeV Ion Beams,

Univ. of Jena, Germany, 11.01.2002

Material Modification Induced by MeV-GeV Ion Beams

Lab. of Microelectronics and Microsystems, EPFL, Lausanne, Switzerland, 12.03.2002

Trautmann, W.:

Nuclear Multifragmentation Studies with ALADIN and INDRA

University of Cracow, Poland, 13.05.2002

Weyrather, W.K.:

Radiobiological Research for Hadron Therapy

Salzburg, Austria, 17.05.2002