

Invited Talks at Conferences

Acicastello, Italy: 3rd Catania Relativistic Ion Studies, CRIS 2000, 22.-26.05.2000

C. Schwarz
Time Scales in Spectator Fragmentation

Amsterdam, The Netherlands: Research School "Fantom", 15.-19.05.2000

T. Kühl
The PHELIX Project

Arona, Italy: 1st Int. Workshop on Space Radiation Research, 27.-31.05.2000

G. Kraft
What can we Learn from Heavy-Ion Therapy for Radiation Protection in Space

Bad Honnef, Germany: Symp. on Fundamental Issues in Elementary Matter, 25.-29.09.2000

H. Emling
Two Phonon Giant Resonances

S. Hofmann
Advances in the Search for Superheavy Elements at GSI

P. Senger
Strange Mesons in Dense Nuclear Matter

Beijing, China: Xiangshan Meeting, Academia Sinologica, 14.09.2000

G. Kraft
Heavy-Ion Therapy – Basic Considerations, Technical Realization and Clinical Results

Berlin, Germany: Reise zum Urknall, Urania, 03.-09.94.2000

P. Armbruster
Expedition ins Reich der Atomkerne

Berlin, Germany: PTCOG 2000, Sept. 2000

M. Krämer
Treatment planning for scanned ion beams

Bologna, Italy: Int. Conf. on 'Structure of the Nucleus at the Dawn of the Century', 29.05.-03.06.2000

E. Roeckl
Decay Properties of $N \approx Z$ Nuclei below ^{100}Sn

C. Schwarz
Proton Emission Times in Spectator Fragmentation

Bonn, Germany: DPG, 03.-07.04.2000

P. Egelhof
Hochauflösende kalorimetrische Tieftemperaturdetektoren für massenspektrometrische Anwendungen in der Schwerionenphysik mit exotischen Kernen

C. Haumann, U. Brinkmann, B. Siegmann, U. Werner, H.O. Lutz, R. Mann
Vielfach-Ionisation und Fragmentation kleiner Moleküle in Stößen mit MeV/u Xe-Ionen

N. Kabachnik, B. Siegmann, U. Werner, H.O. Lutz, R. Mann

Kinetic Energy Release Distributions in Coulomb Explosion of N_2 Molecules Induced by Fast Heavy Ion Impact

W. Quint
Die Messung des magnetischen Moments des gebundenen Elektrons in hochgeladenen Ionen: Ein Präzisionstest der Theorie der Quantenelektrodynamik

Bormio, Italy: XXXVIII Int. Winter Meeting on Nuclear Physics, 24.-29.01.2000

W. Trautmann
Kinetic Energies in Multifragmentation

Brighton, UK: The Physics Congress, Europ. Women in Science, 27.-30.03.2000

C. Kausch
Women in Physics in Germany

Caen, France: Atelier INDRA V, 08.-10.03.2000

W. Trautmann
New Results on the Caloric Curve

Caen, France: CERN – GANIL Theory Workshop, 12./13.04.2000

J. Knoll
Hadronisation

Caen, France: 2nd Workshop on Target and Ion-Source Technology (TWIST II), 14.-16.06.2000

K. Sümmerer
Cross Sections of Heavy-Ion Spallation Residues

Campinas, Brazil: I. Latin American Symposium on Nuclear Physics, 23.-27.12.2000

T. Aumann
Nuclear and Coulomb Breakup of Loosely Bound Neutron-Rich Nuclei

Invited Talks at Conferences

A. Leistenschneider
Electromagnetic Excitation of Neutron-Rich
Oxygen-Nuclei 17-22

Cargèse, France: 2nd Euroconf. on 'Atomic Physics
at Accelerators: Mass Spectroscopy (APAC2000)',
17.-22.09.2000

W. Quint
The HITRAP-Project at GSI

E. Roeckl
Recent Decay Experiments an $N \cong Z$ Nuclei: The
Role of Masses, Q Values and Separation Energies

Castiglione della Pescaia, Italy: Simple Atomic
Systems, May 2000

Th. Stöhlker
Experiments on High-Z One-Electron Systems

Chiba, Japan: 2nd Int. Space Workshop 2000, 16.-
18.02.2000

S. Ritter
Radiation Risk Based on Chromosome Data: Which
Factors Should be Considered?

Chicago, USA: Workshop on Low-Energy pbar
Storage Ring, 03.-05.08.2000

W. Henning
GSI Plans for an Antiproton Facility

Cracow, Poland: Biophys. Modelling for
Radiobiology, Radiotherapy and Radiation
Protection, 22.-24.07.2000

C. Fournier
Accelerated Differentiation as Alternative Way for
Fibroblasts to Survive Radiation Insult is Related to
Fibrosis

S. Ritter
High and low LET Induced Chromosomal Changes:
Insights from Interphase Cytogenetics

Cracow, Poland: Workshop on Semihard QCD,
29.04.2000

J. Knoll
Resonance Transport

Cracow, Poland: Meson 2000, 19.-23.05.2000

P. Senger
Strange Mesons in Dense Nuclear Matter

Darmstadt, Germany: Symp. on Future Physics with
Exotic Nuclei, 10./11.07.2000

P. Armbruster
My Longstanding (30 years) of Collaboration with
G. Münzenberg (1971-2000)

S. Hofmann
Superheavy Elements - Experiments

K.-H. Schmidt
Fission: Recent Research and New Applications

P. Senger
Experiments in Dense Nuclear Matter Research

Darmstadt, Germany: Int. Comp. Acc. Phys. Conf.
(ICAP 2000), 11.-14.09.2000

O. Boine-Frankenheim
Phase Space Resolution Issues in Beam Instability
Simulation

Darmstadt, Germany: 7th Workshop on Heavy Ion
Charged Part. in Biol. and Medicine, 28.-30.09.2000

S. Ritter
RBEs for Chromosomal Damage: Are they reliable?

Debrecen, Hungary: Int. Symposium on Exotic
Nuclear Structure ENS 2000, 15.-20.05.2000

T. Aumann
Nuclear Structure Studies with Radioactive Beams at
GSI

Denton, USA : 16th Int. Conf. on the 'Application of
Accelerators in Res. and Industry', 01.-05.11.2000

T. Haberer
Carbon Ion Therapy at GSI Using Scanning Beams

B. Kindler
Status of the Target Development for the Heavy
Element Program

Divonne les Bains, France: 5th Int. Conf. on
Radioact. Nuclear Beams (RNB-5), 03.-08.04. 2000

H.-J. Kluge
Nuclear Physics using Atomic Physics Techniques

E. Roeckl
Recent Developments at the GSI On-Line Mass
Separator

K.-H. Schmidt, J. Benlliure, T. Enqvist et al.:
Future Prospects for Secondary-Beam Production

J. Taieb, P. Armbruster, J. Benlliure et al.:
Measurement of ^{238}U Spallation Product Cross
Sections at 1 GeV per Nucleon

Invited Talks at Conferences

Dresden, Germany: Int. Workshop on Atomic Physics in Extreme Fields, 23.-25.03.2000

Th. Stöhlker
Strong Field Effects on the Structure and Dynamics of High-Z Systems

Dresden, Germany: School on the Physics and Chemistry of the Actinides, 02./03.05.2000

M. Schädel
Superheavy Elements Take a Seat at the (Periodic) Table

Dresden, Germany: DPG Spring Meeting, 20.-24.03.2000

M.A. Kargalis, V. Hejny, J. Ritman
PLUTO⁺⁺: A Monte Carlo Simulation / Analysis Tool for Hadron Physics

C. Kausch
Where have all the women gone...?

Ch. Müntz
HADES: Status Report

Dubna, Russia: Workshop on Fusion Dynamics at the Extremes, 25.-27.05.2000

S. Hofmann
Experiments on Synthesis of Heavy Elements at SHIP

Erice, Italy: Int. School of Nuclear Physics, Radioactive Beams for Nuclear and Astrophysics, 16.-24.09.2000

P. Egelhof
Nuclear Matter Distribution of Neutron-Rich Halo Nuclei from Intermediate Energy Elastic Proton Scattering in Inverse Kinematics

H. Emling
Nuclear Structure Experiments with Unstable Fragment Beams at GSI

W. Henning
Future Plans for the GSI Facilities

S. Hofmann
Synthesis of Superheavy Elements Using Radioactive Beams and Targets

Florence, Italy: ICAP, 04.-09.06.2000

W. Quint
The g-Factor of the Bound Electron in Hydrogen-like Ions. A High-accuracy Test of Bound-state QED

Hayama, Japan: Int. Symposium on Perspective in Physics with Radioactive Isotopes Beams 2000 (RIB00), 13.-16.11.2000

P. Egelhof
Nuclear Structure Studies on Halo Nuclei by Direct Reactions with Radioactive Beams

Heidelberg, Germany: Spring School on Stored Charged Particles and Fundamental Physics, 03./04.03.2000

T. Beier
QED – Theory and Tests

Hirschegg, Austria: Int. Workshop XXVIII on Gross Properties of Nuclei and Nuclear Excitations, 16.01.-22.01.2000

A. Devismes
Results from FOPI on Strangeness Production and Propagation in Hot and Dense Nuclear Matter

J. Knoll, H. van Hees
Finite Pion Width Effects on the Rho Meson and Di-Lepton Spectra

Hirschegg, Austria: Workshop on Physics of High Energy Density in Matter, 30.01.-05.02.2000

R.W. Hasse
Coulomb Strings at GSI

I. Hofmann
Progress on Inertial Fusion at GSI

P. Senger
Strange Mesons in Dense Matter

Hong Kong, China: 7th Int. Conf. on new Diamond Science & Technology ICNDST-7, 23.-28.07.2000

E. Berdermann
The Use of CVD Diamond for Heavy Ion Detection

Honolulu, USA: Pacificchem 2000, Symp. on Science with Radioactive Beams, 14.-19.12.2000

P. Egelhof
Nuclear Matter Distributions of Neutron-Rich Nuclei from Intermediate Energy Elastic Proton Scattering in Inverse Kinematics

Leuven, Belgium: Euro Summer School on Exotic Beams, 31.08.-08.09.2000

H. Grawe
High Spin Isomers Beyond ²⁰⁸Pb – Empirical vs. Large Scale Shell Model

K.-H. Schmidt
Lectures on Production Mechanism of Exotic Nuclei

Invited Talks at Conferences

Les Houches, France: Int. School on "Trapped Particle and Fundamental Phys.", 23.05.-02.06.2000

H.-J. Kluge
Storing Charged Partcles for Fundamental Physics

H.-J. Kluge
Radioactive Ions for Fundamental Physics

H.-J. Kluge
Highly Charged Ions for Fundamental Physics

Lisbon, Portugal: Conf. on Advanced Monte Carlo for Radiation Physics, Particle Transport Simulation and Applications, 23.-26.10.2000

P. Armbruster
New Method and Data on Residue Production in Spallation of ^{197}Au , ^{208}Pb and ^{238}U on Protons Relevant for the Design of Spallation Sources and Accelerator-Driven Systems

Lorne, Australia : 9th Int. Conf. on Fission Track Dating and Thermochronology, 11.02.2000

R. Neumann
Characterization of Ion Tracks in Solids by Near-Field Microscopy and TEM

Lüderitz, Namibia : Fundamental and Applied Aspects of Modern Physics, 13.-17.11.2000

D. Schardt
Tumor Therapy with High-Energy Heavy-Ion Beams

Lund, Sweden: Int. Workshop on Selected Topics on N=Z Nuclei, (PINGST 2000), 06.-10.06.2000

R. Borcea
Beta Decay of ^{56}Cu

J. Döring
Beta-Decay Study of the N=Z Odd-Odd Nuclei ^{62}Ga and ^{70}Br

Z. Janas
Gamow-Teller Decay of Neutron-Deficient Nuclei

M. LaCommara
1s Cluster Emission: an Effective Mechanism to Produce Very Neutron-Deficient Isotopes Near ^{100}Sn ?

C. Mazzocchi
Decay Properties of N=Z Nuclei Below ^{100}Sn

Luso, Portugal: Int. Workshop on Fission Dynamics of Atomic Clusters and Nuclei, 15.-20.05.2000

K.-H. Schmidt
Puzzling Results on Nuclear Shells from the Properties of Fission Channels

Lyon, France: Symposium Lyon, Medical School, 08./09.03.2000

G. Kraft
The Darmstadt Experience with Carbon Ions

Lyon, France: IEEE Nucl. Science Symposium and Medical Image Conference, 15.-20.10.2000

A. Andronic
Prototype Tests for the ALICE TRD

Lissabon, Portugal: Monte Carlo 2000, Oct. 2000

M. Krämer
Treatment Planning for Radiotherapy with Scanned Ion Beams

M. Krämer
TRAX – Ion Track Structure Simulations

Mumbai, India: Int. Symposium on Nuclear Physics, 18.-22.02.2000

U. Datta Pramanik
The Structure of Light Neutron Rich Nuclei through Coulomp Dissociation

Munich, Germany: Deutsche Gesellschaft für Radioonkologie, 07.10.2000

G. Kraft
Physik und Biologie der Schwerionentherapie

Munich, Germany: DEGRO 2000, Oct. 2000

M. Krämer
Treatment planning for scanned ion beams

Orsay, France: Town Meeting, Europ. Isotope Separation On-Line Radioactive Nuclear Beam Facility (EURISOL), 6./7.11.2000

W. Henning
Future Plans at GSI with In-Flight RNBS

Osaka, Japan: Int. Conference on Giant Resonances, 12.-15.06.2000

T. Aumann
Measurements of the Dipole Response with Radioactive Beams

Paris, France: French Physics Society Meeting on Nuclear Physics, 13./14.01.2000

S. Hofmann
The GSI Program of Superheavy Element Research

Invited Talks at Conferences

Paris, France: OECD Global Science Forum
Workshop on Strategic Policy Issues Concerning
Future High-Intensity Proton Beam Facilities,
25.06.2000

W. Henning
Radioactive Ion and Hadron Beam Facilities for
Nuclear Physics Research

Paris, France: Colloque 'Actualité de Frédéric
Joliot-Curie', Collège de France, 09./10.10.2000

P. Armbruster
La Recherche de Nouveaux Noyaux et de Nouveau
Elements

Paris, France: GEDEON Workshop for the Period
1996-2000, 15./16.11.2000

P. Armbruster
New Method and Data on Residue Production in
Spallation of ^{197}Au , ^{208}Pb and ^{238}U on Protons
Relevant for the Design of Spallation Sources and
Accelerator-Driven Systems

Petersburg, Russia: Int. Conf. on 'Clustering
Phenomena in Nuclear Physics', 14.-17.06.2000

E. Roeckl
Decay Properties of $N \approx Z$ Nuclei

Pontresina, Italy: 5th Int. Conf. on 'Nuclear and
Radiochemistry', 03.-08.09.2000

M. Schädel
Aqueous Chemistry of Transactinides

Quebec, Canada: 7th Int. Conf. on the Intersections of
Particle and Nuclear Physics, 22-28.05.2000

W. Henning
Physics of Rare Isotopes

Rosendorf, Germany: Workshop on 'Nuclear
Spectroscopy and Nuclear Astrophysics (NSNA)',
27.-29.04.2000

H. Grawe
Nuclear Structure near the Doubly Magic ^{100}Sn and
 ^{78}Ni

E. Roeckl
Decay Properties of $N=Z$ Nuclei and their Relevance
in Astrophysics

K. Sümmerer
Generation of Medium-Mass Radioactive Beams

Rostock, Germany: 2nd Int. Konf. f. „Biosysteme und
medizinische Technologie“, 09.09.2000

G. Kraft
Heavy Ion Therapy – Clinical Motivation and the
Biophysical Basis for a New Concept of a Local
Tumor Therapy

San Diego, USA: 13th Int. Symp. on Heavy Ion
Inertial Fusion, 13.-17.03.2000

O. Boine-Frankenheim
Simulation of High-Current Phenomena in Ring
Machines

I. Hofmann
Heavy Ion Inertial Fusion in Europe

H. Trassl
Ion-Ion Charge Exchange Cross Sections for Heavy
Ion Fusion

San Fransisco, USA: 219th ACS Award Meeting,
Symp. for Nucl. Chemistry, 26.-30.03.2000

H.-J. Kluge:
Nuclear Physics with Cooled Particles stored in Ion
Traps, Storage Rings and Laser Traps

M. Schädel
Superheavy Elements: A Nuclear and a Chemical
Puzzle

Schleching, Germany: 31. Arbeitstreffen
"Kernphysik", 08.-16.03..2000

P. Armbruster
"Was bringt's". Von Sternen und Kernen, von
Beschleunigern und Reaktoren

Seeheim, Germany: CERN Accelerator School,
RF Engineering, 08.-16.05.2000

F. Nolden
Stochastic Cooling and Related RF Components

Storrs, USA: DAMOP Meeting 14.-19.07.2000

Th. Stöhlker
Atomic Collision Processes Involving High-Z Ions
Studies at the ESR Storage Ring

Strasbourg, France: 7th Int. Conf. on Nucleus-
Nucleus Collisions 2000 (NN2000), 02.-07.07.2000

P. Egelhof
Nuclear Matter Distributions of Neutron-Rich Li-
Isotopes from Elastic Proton Scattering in Inverse
Kinematics

K.-H. Schmidt, J. Benlliure, C. Böckstiegel et al.:
New Results on Structure Effects in Nuclear Fission

Invited Talks at Conferences

P. Senger
Strange Mesons in Dense Nuclear Matter

W. Trautmann
Hot Fragmentation of Nuclei

Tokyo, Japan: Symp. on 'Shell Model 2000',
05.-08.03.2000

H. Grawe
Experimental approach towards shell structure at
 ^{100}Sn and ^{78}Ni

E. Roeckl
Recent Beta-Decay Experiments on $N \approx Z$ Nuclei

Tours, France: Symposium on Nuclear Physics IV,
04.-07.09.2000

H. Grawe
Nuclear Structure in the vicinity of shell closures far
from stability

Trieste, Italy: QED2000, 05.-11.10.2000

W. Quint
The g-Factor of the Bound Electron in Hydrogen-
like Ions. A High-accuracy Test of Bound-state QED

Uppsala, Sweden: The Svedberg Lab. Workshop on
Physics at the CELSIUS Ring, 04.05.2000

W. Trautmann
Kinetic Energies in Multifragmentation

Utrecht, The Netherlands: PAC Symp. Element2000,
02./03.04.2000

M. Schädel
Heavy Element Synthesis

Vienna, Austria: 7th Europ. Part. Acc. Conf.,
26.-30.06.2000

I. Hofmann
Optimizing Multiturn Injection with Space Charge
and Linear Coupling

M. Steck
Ordered Ion Beams

Volga River, Russia: Joint Accelerator School
(JAS2000), 01.-14.07.2000

J. Struckmeier
Intrabeam Scattering

Warsaw, Poland: 33rd COSPAR Scientific
Assembly, 16.-23.07.2000

C. Fournier
In Vitro Investigation on Late Effects after Low and
High LET Irradiation of Fibroblasts

S. Ritter
Use of Chromosome Aberrations for Radiation Risk
Assessment : Possibility and Limitations

S. Ritter
Time Course Analysis of Chromosome Damage: An
Instructive Approach

Washington, USA: 220th ACS National Meeting of
the American Chemical Society, 20.-24.08.2000

V. Pershina
Theoretical Predictions of Chemical Properties of
the Heaviest Elements

Williamsburg, USA: APS Annual Fall Meeting of
the Division of Nuclear Physics, 04.-07.11.2000

W. Henning
Physics with Rare Isotopes

Zakopane, Poland: XXXV Zakopane School on
Physics, 05.-13.09.2000

A. Leistenschneider
Electromagnetic Excitation of Neutron-Rich Oxygen
Nuclei 17-22