

V.2

Conference Contributions

Int. Conf. NUSTAR'05: NUClear STructure, Astrophysics and Reactions

Univ. Surrey, Guildford, UK, Jan. 5 - 8, 2005

R. Krücken for the NuSTAR collaboration:

The NuSTAR facility at FAIR

J.Phys. **G31** (2005) S1807

D.A. Meyer, G. Graw, R. Hertenberger, H.-F. Wirth, R.F. Casten, P. von Brentano, D. Bucurescu, S. Heinze, J.L. Jerke, J. Jolie, R. Krücken, M. Mahgoub, P. Pejovic, O. Möller, D. Mücher, and C. Scholl:

Systematic Exploration of 0^+ States in Structurally Diverse Nuclei

J. Phys. **G31** (2005) S1399

Nuclear Theory Seminar

KEK, Tsukuba, Japan, January 10, 2005

K. Suzuki:

Kaonic Nuclear Cluster Search at FOPI/GSI

21st Winter Workshop on Nuclear Dynamics

Breckenridge, Colorado, USA, Feb. 5 - 12, 2005

K. Starosta, M.A. Caprio, T. Koke, R. Krücken, and C. Vaman:

Triaxiality, chirality, and gamma-softness

Acta Physica Hungarica A, Heavy IonPhysics, in press

NuSTAR annual meeting

GSI, Darmstadt, Germany, February 9 - 11, 2005

K. Suzuki:

Experiment with Exotic Atom

2nd Interdisciplinary TARGISOL Winterschool 2005

El Escorial, Madrid, Spain, February 17 - 23, 2005

G. Rugel:

AMS in Garching (Munich) with the Gas-filled Analysing Magnet System GAMS - Applications in Dosimetry, Extraterrestrial- and Astrophysics

Int. Conf. Exotic Atoms, EXA05

Vienna, Austria, Feb. 21 - 25, 2005

L. Fabbietti, P. Beller, F. Bosch, M. Cargnelli, T. Faestermann, B. Franzke, H. Fuhrmann, R.S. Hayano, A. Hirtl, J. Homolka, P. Kienle, Ch. Kozhuharov, R. Krücken, H. Lenske, Y. Litvinov, J. Marton, F. Nolden, P. Ring, Y. Shatunov, A.N. Skrinsky, K. Suzuki, V.A. Vostrikov, T. Yamaguchi, E. Widmann, S. Wycech, and J. Zmeskal:

The Antiproton Ion Collider at FAIR

Proc. to be published by Verlag der österreichischen Akademie der Wissenschaften

K. Suzuki, L. Fabbietti, N. Herrmann, P. Kienle, T. Yamazaki, and J. Zmeskal:

Proton Induced Reactions in Search for Kaonic Nuclear Clusters at FOPI / GSI

W. Weise:

Deeply bound meson-nuclear states: concepts and strategies

Invited plenary talk

Proceedings

F. Fiedler:

Top Quark Production and Properties at the Tevatron (excluding Top Mass)

69. Jahrestagung der Deutschen Physikalischen Gesellschaft

Berlin, March 4 - 9, 2005

D. D'Angelo, F. v. Feilitzsch, L. Oberauer, L. Niedermeier, C. Lendvai, Ch. Grieb, M. Göger-Neff, and G. Korschinek:

Recent Physics Results from the Borexino Counting Test Facility(CFT)

Verhandl. DPG (VI) 40 (2005) T 504.1

T. Aumann for the R3B collaboration:

A universal setup for kinematical complete measurements of Reactions with Relativistic Radioactive Beams at FAIR

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T. Behrens, V. Bildstein, R. Gernhäuser, T. Kröll, R. Krücken, D. Martin, T. Morgan, A. Scherillo, P.G. Thirolf, N. Warr, for the MINIBALL collaboration:

Coulombanregung von neutronenreichen Cd-Isotopen an REX-ISOLDE

Verhandl. DPG (VI) 40 (2005) HK 17.2

A. Bergmaier, G. Dollinger, T. Faestermann, H.-F. Wirth, R. Gernhäuser, R. Hertenberger, T. Kröll, R. Krücken, T. Behrens, P. Maierbeck, F. Nebel, and M. Schlarb:

Neutron transfer reactions on Ni isotopes

Verhandl. DPG (VI) 40 (2005) 61

M. Binder and R.Ströhmer :

Suche nach Charginos und Neutralinos in Ereignissen mit geladenen Leptonen (Myonen) mit dem DØ-Detektor

Verhandl. DPG (VI) 40/4 (2005) 191

M. Böhmer:

Identification of heavy spallation residues in the Spaladin experiment

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B. Borasoy, R. Nissler, and W. Weise:

Kaonic hydrogen and K^-p scattering

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T. Christ, T. Eberl, L. Fabbietti, J. Friese, R. Gernhäuser, M. Jurkovic, K. Kanaki, R. Krücken, J. Mousa, V. Pospisil, B. Sailer, M. Sudol, P. Thusty, T. Wojcik, für die HADES Kollaboration:

Teilchenidentifikation im HADES Experiment

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S. Christlmeier and H.W. Griesshammer:

Deuteron electro-disintegration at very low energies

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A. Dewald, O. Möller, B. Melon, B. Saha, K.O. Zell, T. Pissulla, S. Christen, J. Jolie, T. Grahn, P. Greenlees, S. Eeckhaudt, P. Jones, R. Julin, M. Leino, J. Pakarinen, P. Rahkila, C. Scholey, J. Uusitalo, P. Petkov, R. Krücken, T. Kröll, P. Maierbeck, C.W. Beausang, D.A. Meyer, W. Korten, A. Görgen, and Y. Le Coz:

Investigation of triple shape coexistence in $^{188,186}\text{Pb}$ using transition probabilities

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J. Dubbert, R. Hertenberger, O. Kortner, H. Kroha, F. Rauscher, R. Richter, für die ATLAS-Kollaboration:
Endabnahme von ATLAS-Myon-Driftrohrkammern am CERN
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G. Duckeck and J. Kennedy:
Experiences from the ATLAS Data Challenge2
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J. Elmsheuser für die DØ-Kollaboration:
Messung des W-Boson Paar-Produktionswirkungsquerschnitts mit dem DØ-Experiment
Verhandl. DPG (VI) 40/4 (2005) 177

M. Erlebach and O. Biebel:
Studien zu Multijet Ereignissen am Tevatron
Verhandl. DPG (VI) 40/4 (2005) 145

L. Fabbietti, M. Cargnelli, B. Franzke, J. Homolka, P. Kienle, R. Krücken, H. Lenske, A.N. Skrinsky, K. Suzuki, and S. Wycech:
Antiproton-Ion Collider
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F. Fiedler:
Silizium-Streifendetektoren im Höhenstrahlmessstand zur Kalibration von Sensorpositionen bei ATLAS-Myonkammern
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P. Finelli, N. Kaiser, D. Vretenar, and W. Weise:
Nuclear density functional constrained by low-energy QCD
Verhandl. DPG (VI) 40 (2005) 102

T.A. Gail and T.R. Hemmert:
Quarkmass dependence of baryon magnetic moments
Verhandl. DPG (VI) 40 (2005) 64

J. Gerl for the HISPEC collaboration:
A set-up for high-resolution in-flight spectroscopy with rare isotope beams at FAIR
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C. Gilardi, I. Fröhlich, T. Perez, for the HADES collaboration:
2nd Level Trigger Performance in HADES
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M. Göger-Neff:
Neutrino-physik: aktuelle Resultate und Perspektiven
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H.W. Griesshammer:
A Nucleon in a Tiny Box
Verhandl. DPG (VI) 40 (2005) 64

A. Grohsjean and F. Fiedler:
Suche nach Higgs Bosonen im Zerfallskanal $H \rightarrow W + W \rightarrow \mu\nu + 2jets$ beim DØ-Experiment
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M. Groß, D. Habs, R. Krücken, W. Assmann, L. Beck, T. Faestermann, S. Heinz, Ph. Jüttner, O. Kester, H.J. Maier, P. Maier-Komor, F. Nebel, M. Pasini, M. Schumann, J. Szerypo, P.G. Thirolf, R. Tralmer, and E. Zech:

Status von MAFF

Verhandl. DPG (VI) 40 (2005) 87, HK 22.85

P. Haefner and F. Fiedler:

Untersuchung der systematischen Fehler bei der Massenbestimmung des Top-Quarks

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T.R. Hemmert:

Effektive Feldtheorie und die Schnittstelle zur Gitter-QCD

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Plenary talk

R.P. Hildebrandt, H.W. Griesshammer, and T.R. Hemmert:

Neutron polarizabilities from deuteron Compton scattering

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D. Jido, A. Hosaka, and M. Oka:

Study of axial charge of N(1535) in threshold $\eta\pi$ production

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D. Jido, H. Nagahiro, and S. Hirenzaki:

In-medium properties of N(1535) in chiral models probed by η mesic nucleus

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N. Kaiser, B. Langwallner, and W. Weise:

Chiral SU(3) dynamics, QCD sum rules and λ -hyperons in the nuclear medium

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J. Kennedy, G. Duckeck, for the ATLAS collaboration:

The ATLAS DC2 Production System

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O. Kester, T. Sieber, K. Rudolph, M. Pasini, D. Habs, for the REX-ISOLDE Kollaboration:

Energieerhöhung des REX-ISOLDE LINACs

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O. Kester, M. Pasini, T. Sieber, D. Habs, and A. Schempp:

Der 101.28 MHz IH-RFQ für MAFF

Verhandl. DPG (VI) 40/4 (2005) HK 22.87

D. Kirschner, M. Destefanis, I. Fröhlich, C. Gilardi, W. Kühn, F. Ottone, V. Pechenov, T. Perez, for the HADES collaboration:

Prototype of a Dedicated Multi-Node Data Processing System for Realtime Trigger and Analysis Applications

Verhandl. DPG (VI) 40 (2005) 109

V. Lazarev, L. Oberauer, S. Schönert, and E. Nolte:

$2\beta 0\nu$ decay detection with ^{150}Nd

Verhandl. DPG (VI) 40 (2005) T 204.5

J. Leske, K.-H. Speidel, S. Schielke, O. Kenn, J. Gerber, P. Maier-Komor, S.J.Q. Robinson, Y.Y. Sharon, and L. Zamick:

Structure of the 2_1^+ state in radioactive ^{68}Ge from g factor and lifetime measurements

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J. Leske, K.-H. Speidel, S. Schielke, J. Gerber, and P. Maier-Komor:

Dominant neutron component in the $^{68}\text{Zn}(^+_1)$ wave function from g factor measurements

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Y. Litvinov for the FRS-ESR collaboration:

Mass and Half-life Measurements at FRS-ESR Facilities at GSI

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S. Mahnke, H. Reithmeier, V. Lazarev, and E. Nolte:

^{131}I -Dosisrekonstruktion durch ^{129}I -Messungen von Bodenproben aus der FSU

Verhandl. DPG (VI) 40 (2005) MS 5.3,97

P. Maierbeck, T. Behrens, R. Gernhäuser, R. Krücken, T. Kröll, M. Mahgoub, H.-F. Wirth, R. Hertenberger, R. Lutter, T. Nilsson, M. Pantea, G. Schrieder, S. Volz, N. Warr, für die MINIBALL Kollaboration:

Spektroskopische Faktoren in ^{49}Ca

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T. Marrodán Undagoitia, F. v. Feilitzsch, L. Oberauer, W. Potzel, M. Göger-Neff, K. Hochmuth, M. Wurm, and L. Niedermeier:

Low Energy Neutrino Astrophysics. The LENA project.

Verhandl. DPG (VI) Kosmische Strahlung VII (2005) T 501

T. Morgan, B. Bruyneel, D. Habs, R. Hertenberger, H. Hübel, O. Koschorreck, H.J. Maier, P. Reiter, W. Schwerdtfeger, T. Striepling, and P.G. Thirolf:

A setup for high-resolution γ spectroscopy of odd-N fission isomers

Verhandl. DPG (VI) 40/4 (2005) HK 22.70

F. Nebel, E. Zech, T. Faestermann, R. Krücken, P. Maier-Komor, für die MAFF-Kollaboration:

Zeitabhängige Radioaktivitätsverteilung bei MAFF

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J.B. Neumayr, L. Beck, D. Habs, S. Heinz, J. Szerypo, P.G. Thirolf, V. Varentsov, F. Voit, M. Block, S. Eliseev, H.-J. Kluge, M. Mukherjee, W. Quint, S. Rahaman, C. Rauth, D. Rodriguez, G. Sikler, C. Weber, W. Plass, and Z. Wang:

Stopping and cooling of fusion reaction products with buffer gas cells

Verhandl. DPG (VI) 40/4 (2005) HK 22.34

L. Niedermeier, F. v. Feilitzsch, L. Oberauer, Ch. Grieb, and G. Korschinek:

Reinigung von Flüssigszintillatoren mit Silicagelchromatographie

Verhandl. DPG (VI) 40 (2005) T 704.9

T. Nilsson for the ISOLDE-IS371 collaboration and the REX-ISOLDE collaboration:

Low-energy transfer reactions with a ^9Li beam

Verhandl. DPG (VI) 40 (2005) 77

M. Obermaier, M. Schott, G. Duckeck, für die ATLAS-Kollaboration:

Untersuchungen zum Alignment der ATLAS-Myonkammern

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Y. Pachmayer for the HADES collaboration:

Performance of the HADES Tracking System in experiment and simulation

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M. Procura, T.R. Hemmert, B. Musch, and W. Weise :

Quark mass dependence of nucleon properties and lattice QCD

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W. Rühm, E. Nolte, T. Huber, K. Kato, H. Klein, H. Loosli, W. Mannhart, and I. Tolstikhin:

³⁹Ar in Granitproben aus Hiroshima - eine neue Sonde für schnelle Neutronen

Verhandl. DPG (VI) 40 (2005) ST 6.1, 79

F. Rauscher, O. Biebel, T. Christiansen, J. Dubbert, J. Elmsheuser, M. Erlebach, F. Fiedler, R. Hertenberger, O. Kortner, D. Merkl, T. Nunnemann, D. Schaile, A. Staude, R. Ströhmer, and C.F. Vollmer:

Aktuelle Ergebnisse vom Serientest und der Kalibration von ATLAS Driftrohrkammern am Höhenstrahlmessstand der Ludwig-Maximilians-Universität

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H. Reithmeier, V. Lazarev, W. Rühm, M. Schwikowski, H. Gäggeler, and E. Nolte:

¹²⁹I Messungen zur Rekonstruktion der ¹³¹I Freisetzung in Mayak - Stand einer Machbarkeitsstudie

Verhandl. DPG (VI) 40 (2005) ST 6.3, 79

G. Rugel, A. Arazi, T. Faestermann, K. Knie, G. Korschinek, M. Poutivtsev, W. Rühm, and A. Wallner:

Höchstempfindliche Beschleunigermassenspektrometrie mit Anwendungen in Dosimetrie, Astrophysik, Geologie

Verhandl. DPG (VI) 40 (2005) MS 6.2, 98

G. Rugel, S.D. Egbert, A.M. Kellerer, T. Faestermann, K. Knie, G. Korschinek, H.J. Maier, N. Nakamura, W. Rühm, and A. Wallner:

⁴¹Ca in Zahnschmelz - ein biologisches „Dosimeter“ für Neutronen

Verhandl. DPG (VI) 40 (2005) ST 6.2, 79

A. Sadovsky for the HADES collaboration:

High resolution Runge-Kutta tracking for kaon reconstruction

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B. Sailer, T. Eberl, L. Fabbietti, J. Friese, I. Fröhlich, J. Pietraszko, W. Przygoda, S. Spataro, für die HADES-Kollaboration:

Produktion von e^+e^- -Paaren in pp und pd Reaktionen

Verhandl. DPG (VI) 40 (2005) 98

P. Schieferdecker and F. Fiedler:

Messung der Top-Quark-Masse mit der Matrixc-Element-Methode in $p\bar{p}$ -Kollisionen am DØ-Experiment am Tevatron

Verhandl. DPG (VI) 40 (2005) T506.2

S. Schielke, K.-H. Speidel, J. Leske, J. Gerber, P. Maier-Komor, S.J.Q. Robinson, Y.Y. Sharon, and L. Zamick:

First g factor measurements on the $\frac{2}{1}$ -states in ^{36,38}Ar and their shell model interpretations

Verhandl. DPG (VI) 40 (2005) 54

A. Schmah, G. Agakichiev, Y. Pachmayer, V. Pechenov, A. Rustamov, for the HADES collaboration:

Alignment of the HADES Spectrometer

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M. Schott, M. Obermaier, G. Duckeck, for the ATLAS collaboration:

Study of the sagitta of muon tracks in a cosmic ray measurement facility for ATLAS muon chambers

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W. Schott, G. Dollinger, T. Faestermann, J.M. Friedrich, F.J. Hartmann, R. Hertenberger, S. Paul, and A. Ulrich:

An Experiment for the Measurement of the Bound β -Decay of the Free Neutron

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W. Schwerdtfeger, B. Bruyneel, T. Faestermann, R. Gernhäuser, D. Habs, T. Kröll, R. Krücken, M. Lauer, R. Lutter, H.J. Maier, T. Morgan, M. Münch, O. Niedermaier, P. Reiter, O. Schaile, H. Scheit, P.G. Thirolf, W. von Oertzen, N. Warr, H. Wolter, for the MINIBALL collaboration:

Towards 2n Transfer Reactions around the Island of Inversion

Verhandl. DPG (VI) 40 (2005) HK 22.21

B. Spruck for the HADES collaboration:

New Pion Beam Detectors for HADES

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T. Striepling, P. Reiter, S. Binder, P. Bringel, B. Bruyneel, M. Chatzistamatiou, J. Eberth, G. Gersch, H. Hess, H. Hübel, M. Lauer, R. Lutter, C. Miller, T. Morgan, A. Neusser, W. Schwerdtfeger, I. Stefanescu, P.G. Thirolf, N. Warr, D. Weisshaar, and A. Wiens:

Gamma spectroscopy of ^{236}U

Verhandl. DPG (VI) 40/4 (2005) HK 17.4

R. Ströhmer, T. Christiansen, T. Nunnemann, für die DØ-Kollaboration:

Suche nach Leptoquarks der zweiten Generation in Proton-Antiproton-Kollisionen

Verhandl. DPG (VI) 40/4 (2005) 191

K. Suzuki, L. Fabbietti, N. Herrmann, P. Kienle, T. Yamazaki, J. Zmeskal, for the FOPI Collaboration:

Experimental search for Kaonic Nuclear Clusters in p+d @ TP=4.5 GeV reaction at FOPI/GSI

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J. Szerypo, M. Groß, R. Großmann, D. Habs, O. Kester, H.J. Maier, P.G. Thirolf, E. Zech, T. Faestermann, R. Krücken, P. Maier-Komor, and F. Nebel:

Radioactivity distribution in the MAFF beamline

Verhandl. DPG (VI) 40/4 (2005) HK 22.86

M. Thaler, C. Ratti, and W. Weise:

Phenomenology of hot QCD at finite quark chemical potential

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P.G. Thirolf, D. Habs, R. Hertenberger, H.J. Maier, T. Morgan, O. Schaile, W. Schwerdtfeger, and J. Szerypo:

Search for short-lived Fission Isomers in Light Actinides

Verhandl. DPG (VI) 40/4 (2005) HK 22.19

B. Tiller and T. Nunnemann :

Messung des Transversalimpulsspektrums des Z^0 -Bosons am TeVatron

Verhandl. DPG (VI) 40/4 (2005) 178

D. Weisshaar, J. Eberth, G. Pascovici, für die AGATA-Kollaboration:

Test Resultate von dem AGATA γ -ray tracking Detektor Modul

Verhandl. DPG (VI) 40 (2005) 57

W. Westphal, C. Coppi, F. v. Feilitzsch, T. Jagemann, J. König, W. Potzel, W. Rau, M. Stark, and H. Wulandari:
Development of Detectors for High Count Rate Calibration Measurements in CRESST
Verhandl. DPG (VI) 40 (2005) TT 28.4

M. Winkler for the Super-FRS collaboration and the NUSTAR collaboration:
The Super-FRS project at GSI
Verhandl. DPG (VI) 40 (2005) 93

T. Wollenweber and T.R. Hemmert:
Finite volume effects of baryon properties
Verhandl. DPG (VI) 40 (2005) 93

P. Zumbruch, M. Sudol, S. Christ, K. Kanaki, for the HADES collaboration:
Results from C+C reactions at 2 GeV per nucleon at HADES
Verhandl. DPG (VI) 40 (2005) 62

NRRIB05, International Workshop on Neutron-Rich Radioactive Ion Beams (Physics with MAFF) Kloster Banz, Germany, March 29 – April 1, 2005

N. Kaiser:
Chiral dynamics of nuclear matter and applications to finite nuclei
Invited talk

O. Kester:
Charge breeding of intense RIBs

M. Sewtz:
Buffer gas cells for the investigation of superheavy, superdeformed and superlarge nuclei

J. Szerypo, M. Groß, R. Großmann, D. Habs, O. Kester, H.J. Maier, P.G. Thirolf, E. Zech, T. Faestermann,
R. Krücken, P. Maier-Komor, and F. Nebel:
Radioactivity distribution in the MAFF beamline

Workshop: Ionenstrahlphysik und -technologie Leipzig, April 11 – 12, 2005

W. Assmann:
Entwicklung radioaktiver Implantate zur lokalen Strahlentherapie

2005 APS April Meeting Tampa, Florida, USA, April 16 – 19, 2005

P. Schieferdecker:
Measurement of the Top Quark Mass in the Lepton+Jets Channel at DØ

Third International Workshop on Nuclear Fission and Fission Product Spectroscopy Cadarache, France, May 11 - 14, 2005

U. Köster, T. Behrens, C. Clausen, P. Delahaye, V. N. Fedoseyev, L.M. Fraile, R. Gernhäuser, T. J. Giles, A. Ionan,
T. Kröll, H. Mach, B. Marsh, M. Seliverstov, T. Sieber, E. Siesling, E. Tengborn, F. Wenander, and J. Van de Walle:
ISOLDE beams of neutron-rich zinc isotopes: yields, release, decay spectroscopy
AIP Conference Proceedings **798** (2005) 315

International School on "Quark gluon plasma and relativistic heavy ions: past, present and future"
Torino, Italy, May 11–17, 2005

C. Ratti:

Thermodynamics of three-colour QCD

Int. Particle Accelerator Conf. "PAC2005"

Knoxville, USA, May 16 – 20, 2005

U. Schramm, M. Bussmann, D. Habs, M. Steck, T. Kühl, K. Beckert, P. Beller, B. Franzke, F. Nolden, G. Saathoff, S. Reinhardt, and S. Karpuk:

Laser Cooling of Relativistic Heavy Ion Beams

Proceedings of PAC2005, (JACoW), FOAD004.PDF (2005) 401-403

U. Schramm, S. Becker, M. Geissler, F. Grüner, D. Habs, S. Karsch, F. Krausz, J. Meyer-ter-Vehn, K. Schmid, J. Schreiber, G. Tsakiris, L. Veisz, and K.J. Witte:

Acceleration of charged particles by high intensity few-cycle laser pulses

Proceedings of PAC2005, (JACoW), TPAE056.PDF (2005) 3337 - 3338

Int. Conf. Low Energy Antiproton Physics (LEAP05)

Bonn -Jülich, Germany, May 16 - 22, 2005

N. Dedek:

Measurement of the gluon contribution to the nucleon spin

M. Faessler:

Light Scalar Isoscalar Mesons and the Glueball

R. Krücken, P. Beller, F. Bosch, M. Cargnelli, L. Fabbietti, T. Faestermann, B. Franzke, H. Fuhrmann, R.S. Hayano, A. Hirtl, J. Homolka, P. Kienle, Ch. Kozhuharov, H. Lenske, Y. Litvinov, J. Marton, F. Nolden, P. Ring, Y. Shatunov, A.N. Skrinsky, K. Suzuki, V.A. Vostrikov, T. Yamaguchi, E. Widmann, S. Wycech, and J. Zmeskal:

The Antiproton Ion Collider at FAIR

AIP Conf. Proc. **796** (2005) 369

W. Weise:

Perspectives in Quantum Chromodynamics

Invited plenary talk

The 15th Annual Goldschmidt Conference: A voyage of discovery

Moscow, Idaho, USA, 20 - 25 May 2005

J.M. Schäfer, C. Schlüchter, R. Wieler, S. Ivy-Ochs, P.W. Kubik, D. Marchant, G. Korschinek, K. Knie, G. Herzog, and F. Serefiddin:

News from the oldest ice on Earth buried in Antarctica, and new cosmogenic tool

Geochimica et Cosmochimica Acta **69(10)Suppl.S** (2005) A164

6th Int. Conf. on "Nuclear Physics at Storage Rings (STORI)"

Bonn, Germany, May 23 – 26, 2005

U. Schramm, M. Bussmann, D. Habs, M. Steck, T. Kühl, K. Becker, P. Beller, B. Franzke, F. Nolden, G. Saathoff, S. Reinhardt, and S. Karpuk:

Laser-Spectroscopy of the $2s\ ^2S$ - $2p\ ^2P$ transitions of relativistic Li-like carbon ions at the ESR

Proceedings in FZ Jülich report (Schriften des FZ, Matter and Materials **Vol. 30, ISBN 3-89336-404-8**) (2005) 324

Workshop on Two-Photon Physics
ECT*, Trento, Italy, May 23–27, 2005

H.W. Griesshammer:

Asymmetries and Spin-Polarisabilities in Compton Scattering

Invited talk

R.P. Hildebrandt:

Unpolarized Compton Scattering on the Nucleon and Deuteron in Chiral Effective Field Theory

M. Procura:

Quark mass dependence of nucleon observables and lattice QCD

Invited talk

FOPI Collaboration Meeting 2005
Split, Croatia, May 25 – 29, 2005

K. Suzuki, M. Cargnelli, L. Fabbietti, N. Herrmann, P. Kienle, J. Marton, T. Yamazaki, J. Zmeskal, and FOPI Collaboration:

Kaonic Cluster Search at FOPI with proton on deuteron reaction

4th Joint Collaboration Meeting of EU-RTD Networks HITRAP, NIPNET, IONCATCHER
Munich, Germany, May 25 – 28, 2005

J.B. Neumayr:

IONCATCHER at the MLL

VI Int. Symp. on Swift Heavy Ions in Matter (SHIM2005)
Aschaffenburg, May 28 – 31, 2005

W. Assmann, M. Toulemonde, C. Trautmann, and K.O. Voss:

Electronic Sputtering of Conducting and Insulating Materials with Swift Heavy Ions

60th Annual Congress of the Canadian Association of Physicists, UBC/TRIUMF
Vancouver, Canada, June 5 - 8, 2005

R. Krücken:

Recent results from REX-ISOLDE

Proceedings

International Congress on Combustion By-Products and Their Health Effects
Tucson, Arizona, USA, June 12 - 15, 2005

F. Mühlberger, J. Wieser, A. Ulrich, and R. Zimmermann:

On-Line Analysis of Combustion off-Gases by Single-Photon Ionization Mass Spectrometry (SPI-MS) with an Electron Beam Pumped Excimer Light Source

Proceedings

Carpathian Summer School of Physics 2005, Exotic Nuclei and Nuclear/Particle Astrophysics
Mamaia-Constanta, Romania, June 13 - 24, 2005

R. Krücken:

Coulomb excitation and transfer experiments with MINIBALL

Proceedings

International Workshop on Effective Field Theories in Physics Ohio State University, Columbus, USA, June 13 - 17, 2005
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W. Weise:

Nucleons and nuclei in the context of low-energy QCD

Invited talk

International Symposium on Exotic Nuclear Systems (ENS'05)
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Debrecen, Hungary, June 20 - 25, 2005

D. Habs, R. Krücken, M. Groß, W. Assmann, L. Beck, T. Faestermann, R. Großmann, Ph. Jüttner, H.J. Maier, P. Maier-Komor, F. Nebel, M. Schumann, M. Sewtz, R. Stoepler, J. Szerypo, P.G. Thirolf, F.L. Tralmer, and E. Zech:
The Munich Accelerator for Fission fragments MAFF

AIP Conf. Proc. **802** (2005) 32

D. Habs, F. Grüner, U. Schramm, P.G. Thirolf, M. Sewtz, and S. Becker:

Design considerations for converting laser-accelerated electron beams into brilliant X-Ray, γ -ray and neutron beams

T. Kröll, T. Behrens, R. Krücken, T. Faestermann, R. Gernhäuser, M. Mahgoub, P. Maierbeck, D. Habs, O. Kester, R. Lutter, T. Morgan, M. Pasini, K. Rudolph, P.G. Thirolf, V. Bildstein, O. Niedermaier, H. Scheit, D. Schwalm, D. Martin, A. Scherillo, N. Warr, D. Weisshaar, J. Iwanicki, P.A. Butler, P. Delahaye, L.M. Fraile, G. Georgiev, U. Köster, T. Sieber, F. Wenander, S. Franchoo, A. Hurst, M. Huyse, O. Ivanov, P. Mayet, I. Stefanescu, J. Van de Walle, P. Van Duppen, M. Pantea, T. Davinson, and the REX-ISOLDE and MINIBALL collaborations:
Coulomb excitation of neutron-rich Cd isotopes at REX-ISOLDE

AIP Conference Proceedings **802** (2005) 283

P.G. Thirolf, D. Habs, R. Hertenberger, V.S. Kolhinen, H.J. Maier, T. Morgan, W. Schwerdtfeger, and J. Szerypo:

Search for short-lived Fission Isomers in light Actinides

International Workshop on Nuclear Forces and QCD
--

ECT*, Trento, Italy, June 20 – July 1, 2005

H.W. Griesshammer:

Three-nucleon forces in Effective Field Theory without pions

Invited talk

T.R. Hemmert:

Separating long- and short-distance physics

Invited talk

N. Kaiser:

Status of chiral dynamics for nuclear matter

Invited talk

W. Weise:

Low-energy QCD and the nuclear many-body problem

Invited talk

17th Int. Conf. Ion Beam Analysis - IBA 2005
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Sevilla, Spain, June 26 -July 1, 2005

W. Assmann, M. Schubert, S. Kiermaier, D. Streufert, and K. Schlösser:

Analysis of Degradable Radioactive Implants for Brachytherapy

G. Dollinger, A. Bergmaier, A. Hauptner, S. Dietzel, G. Drexler, C. Greubel, V. Hable, P. Reichart, R. Krücken,
T. Cremer, and A.A. Friedl:

Hydrogen microscopy and analysis of DNA repair using focused high energy ion beams

Proc. to be published in Nucl. Instr. Meth. B

S. Mändl, Y. Bohne, J.W. Gerlach, W. Assmann, and B. Rauschenbach:

Complementary Information from RBS, ERDA and SIMS for Analysis of Modern Magnesium Alloys

10th ATLAS Muon Week
Cetraro, Italy, July 1 – 16, 2005

R. Hertenberger:

Cosmic Ray Measurements at LMU

R. Hertenberger:

A Method to Repair Cracked Endplugs

International Workshop on Resonances in QCD
ECT*, Trento, Italy, July 11–15, 2005

W. Weise:

Kaon-nucleon interactions, revisited

Invited talk

Workshop on Effective Theories in Nuclear Physics and Lattice QCD
ECT*, Trento, Italy, July 18–23, 2005

H.W. Griesshammer:

A nucleon in a tiny box

Invited talk

HEP 2005 International Europhysics Conference on High energy Physics
Lisboa, Portugal, July 21 – 27, 2005

T. Nunnemann:

A Search for Charged Massive Stable Particles

T. Nunnemann:

Searches for Scalar Top and Bottom Quarks at the Tevatron

R. Ströhmer:

Inclusive jet cross-sections and dijet azimuthal decorrelations with $D\bar{0}$

R. Ströhmer:

Bose-Einstein correlations and colour reconnection in hadronic W

Advanced Studies Institute – Symmetries and Spin (Spin-Praha-2005)
Prague, Czech Republik, Jul. 27 - Aug. 3, 2005

R. Krücken:

Plans of NUSTAR at FAIR

Proceedings

11th International Workshop on Low Temperature Detectors

Tokyo, Japan, July 31-August 5, 2005

W. Westphal, C. Coppi, F. v. Feilitzsch, C. Isaila, T. Jagemann, J. Jochum, J. König, T. Lachenmaier, J.-C. Lanfranchi, W. Potzel, W. Rau, M. Stark, and D. Wernicke:

Detector Calibration Measurements in CRESST

DIOXIN 2005 and ISPAC-20: Ein Double Event :25th Int. Symp. on Halogenated Environmental Organic Pollutants and Persistent Organic Pollutants (POPs) and

20th Intern. Symp. On Polycyclic Aromatic Compounds

Toronto, Canada, August 21 - 26, 2005

T. Streibel, F. Mühlberger, J. Wieser, A. Ulrich, and R. Zimmermann:

Application of single photon ionization time-of-flight mass spectrometry (SPI-TOFMS) with an electron beam pumped excimer lamp for the detection of trace compounds in combustion processes

Proceedings **340** (2005)

Seventh International Topical Meeting on Nuclear Applications of Accelerator Technology (AccApp05)

Venice, Italy, August 28 - September 1

E. Le Gentil, M. Böhmer, A. Lafriakh, S. Pietri, T. Aumann, C-O. Bacr, J. Benlliure, A. Boudard, E. Casarejos, M. Combet, J.E. Ducret, M. Fernandez-Ordóñez, R. Gernhäuser, H. Johansson, A. Kelic, K. Kezzar, R. Krücken, T. Kurtukiam, A. Le Fevre, S. Leray, J. Lukasik, W-F. J. Müller, F. Rejmund, C. Schwarz, C. Senti, H. Simon, W. Trautmann, C. Volant, and O. Yordanov:

Exclusive measurements on $^{56}\text{Fe}+p$ at 1 A.GeV with the SPALADIN setup at GSI

D. Schumann, R. Michel, G. Korschinek, K. Knie, and Ch. David:

Excitation functions for the production of ^{60}Fe and ^{53}Mn in the reaction $^{\text{nat}}\text{Pb}(p,xn/yp)Z$

XXIX Mazurian Lakes Conference on Physics

Piaski, Poland, Aug. 30 - Sept. 6, 2005

W. Przygoda, G. Agakichiev, C. Agodi, H. Alvarez-Pol, A. Balanda, R. Bassini, G. Bellia, D. Belder, J. Bielcik, A. Blanco, M. Böhmer, C. Boiano, A. Bortolotti, J. Boyard, S. Brambilla, P. Braun-Munzinger, P. Cabanelas, S. Chernenko, T. Christ, R. Coniglione, M. Dahlinger, J. Diaz, R. Djeridi, F. Dohrmann, I. Durant, T. Eberl, W. Enghardt, L. Fabbietti, O. Fateev, P. Finocchiaro, P. Fonte, J. Friese, I. Fröhlich, J. Garzon, R. Gernhäuser, M. Golubeva, D. Gonzalez-Diaz, E. Grosse, F. Guber, T. Heinz, T. Hennino, S. Hlavac, J. Hoffmann, R. Holzmann, A. Ierusalimov, I. Iori, A. Ivashkin, M. Jaskula, M. Jurkovic, M. Kajetanowicz, B. Kämpfer, K. Kanaki, T. Karavicheva, D. Kirschner, I. König, W. König, B. Kolb, U. Kopf, R. Kotte, J. Kotulic-Bunta, R. Krücken, A. Kugler, W. Kühn, R. Kulesa, S. Lang, J. Lehnert, L. Maier, P. Maier-Komor, C. Maiolino, J. Marin, J. Markert, V. Metag, N. Montes, E. Moriniere, J. Mousa, M. Münch, C. Müntz, L. Naumann, R. Novotny, J. Novotny, W. Ott, J. Otwinowski, Y. Pachmayer, T. Perez, V. Pechenov, J. Pietraszko, J. Pinhao, R. Pleskac, V. Pospisil, A. Pullia, N. Rabin, B. Ramstein, S. Riboldi, J. Ritman, P. Rosier, M. Roy-Stephan, A. Rustamov, A. Sadovsky, B. Sailer, P. Salabura, P. Sapienza, A. Schmäh, W. Schön, C. Schroeder, E. Schwab, P. Senger, R. Simon, V. Smolyankin, L. Smykov, S. Spataro, B. Spruck, H. Ströbele, J. Stroth, C. Sturm, M. Sudol, V. Tiflov, P. Tlusty, A. Toia, M. Traxler, H. Tsertos, I. Turzo, V. Wagner, W. Walus, C. Willmott, S. Winkler, M. Wisniowski, T. Wojcik, J. Wüstenfeld, Y. Zanevsky, and P. Zumbach:

HADES Experiment: Di-Lepton Spectroscopy in p+p (2.2 GeV) and C+C (1 and 2 A GeV) Collisions
Acta Phys. Pol. **B 37** (2006) 139

J. Szerypo, M. Bussmann, D. Habs, S. Heinz, V.S. Kolhinen, J.B. Neumayr, U. Schramm, and P.G. Thirolf:

Status of Penning trap in Munich

The 10th International Conference on Accelerator Mass Spectrometry

Berkeley, CA, USA, September 5 - 10, 2005

A. Arazi, T. Faestermann, J. Fernández Niello, K. Knie, G. Korschinek, M. Poutivtsev, E. Richter, and A. Wallner:
Stellar rates for the $^{25}\text{Mg}(p,\gamma)^{26}\text{Al}$ reaction studied via AMS

K. Knie, T. Faestermann, E. Herzig, G. Korschinek, M. Poutivtsev, G. Rugel, and A. Wallner:
In-situ produced ^{26}Al in a deep sea ferromanganese crust

K. Knie, T. Faestermann, G. Herzog, G. Korschinek, J. Masarik, M. Poutivtsev, G. Rugel, J.M. Schäfer, and F. Serefidin:
 ^{53}Mn in rocks: a new isotope for cosmogenic nuclide studies

G. Korschinek, K. Knie, T. Faestermann, M. Poutivtsev, G. Rugel, and A. Wallner:
Radionuclide traces from SN ejecta on Earth

A.A. Marchetti, J.E. McAninch, G. Rugel, W. Rühm, G. Korschinek, R.E. Martinelli, T. Faestermann, K. Knie, S.D. Egbert, A. Wallner, C. Wallner, K. Tanaka, S. Endo, M. Hoshi, K. Shizuma, S. Fujita, H. Hasai, and T. Straume:
AMS measurement of fast-neutron induced ^{63}Ni in copper from the Hiroshima Atomic Bomb Dome

G. Rugel, T. Faestermann, K. Knie, G. Korschinek, M. Poutivtsev, M. Heil, F. Kaeppler, I. Dillmann, and A. Wallner:
Measurement of the $^{58}\text{Ni}(\text{n},\gamma)$ reaction at stellar energies

D. Schumann, R. Michel, G. Korschinek, and K. Knie:
The excitation function for the production of ^{60}Fe via the reaction $\text{Pb}(\text{p},\text{xn}/\text{yp})\text{Z}$

C. Stan-Sion, A. Letourneau, V. Lazarev, H. Reithmeier, M. Enachescu, and E. Nolte:
AMS Measurements of Spallation Yields from Thick Lead/Bismut Targets

C. Stan-Sion, J. Roth, K. Krieger, M. Enachescu, K. Ertl, V. Lazarev, and E. Nolte:
AMS Depth Profiling - A Sensitive Tool used as Nuclear Safeguard and for Diagnose of fusion experiments

C. Vockenhuber, A. Bergmaier, M. Bichler, T. Faestermann, S. Lahiri, G. Korschinek, K. Knie, W. Kutschera, S. Maji, G. Rugel, P. Steier, and A. Wallner:
Development of Isobar Separation for ^{182}Hf AMS Measurements of Astrophysical Interest

A. Wallner, W. Rühm, G. Rugel, N. Nakamura, A. Arazi, T. Faestermann, K. Knie, G. Korschinek, and H.J. Maier:
First biological signature of neutron exposure of the A-bomb survivors in Hiroshima

XXIX Mazurian Lakes Conference on Physics "Atomic Physics in Strong Fields" (SPARC) Piaski, Poland, September 6 - 11, 2005
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U. Schramm:
Laser cooling and laser experiments at SIS300 (FAIR)

TAUP05 Zaragoza, September 10-14, 2005
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T. Marrodán Undagoitia, F. v. Feilitzsch, L. Oberauer, W. Potzel, M. Göger-Neff, Ch. Grieb, K. Hochmuth, and M. Wurm:
Proton decay in the large liquid scintillator detector LENA: Study of the background
Accepted for publication in Journal of Physics: Conference Proceedings

T. Marrodán Undagoitia, F. v. Feilitzsch, L. Oberauer, W. Potzel, M. Göger-Neff, K. Hochmuth, and M. Wurm:
Low energy neutrino astronomy with the large liquid-scintillation detector LENA

International Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions (FINUSTAR)

Kos, Greece, September 12 - 17, 2005

T. Kröll, T. Behrens, R. Krücken, T. Faestermann, R. Gernhäuser, M. Mahgoub, P. Maierbeck, M. Münch, F. Ames, D. Habs, O. Kester, R. Lutter, T. Morgan, M. Pasini, K. Rudolph, P.G. Thirolf, V. Bildstein, O. Niedermaier, H. Scheit, D. Schwalm, D. Martin, A. Scherillo, N. Warr, D. Weisshaar, J. Iwanicki, P.A. Butler, J. Cederkäll, P. Delahaye, L.M. Fraile, G. Georgiev, U. Köster, T. Sieber, F. Wenander, S. Franchoo, A. Hurst, M. Huyse, O. Ivanov, P. Mayet, I. Stefanescu, J. Van de Walle, P. Van Duppen, M. Pantea, T. Davinson, and the REX-ISOLDE and MINIBALL collaborations:

Coulomb excitation of neutron-rich Cd isotopes at REX-ISOLDE

AIP Conference Proceedings in press

R. Krücken, F. Bosch, M. Cargnelli, L. Fabbietti, T. Faestermann, B. Franzke, H. Fuhrmann, R.S. Hayano, A. Hirtl, J. Homolka, P. Kienle, Ch. Kozhuharov, H. Lenske, Y. Litvinov, J. Marton, F. Nolden, P. Ring, Y. Shatunov, A.N. Skrinsky, K. Suzuki, V.A. Vostrikov, T. Yamaguchi, E. Widmann, S. Wycech, and J. Zmeskal:

The Antiproton-Ion-Collider at FAIR

AIP Conference Proceedings in press

Workshop on Computational Hadron Physics

Nicosia, Cyprus, September 13–17, 2005

T.R. Hemmert:

Chiral extrapolation for NN and $N\Delta$ form factors — update

Invited talk

M. Procura:

Quark mass dependence of nucleon mass and axial-vector coupling constants

Invited talk

XIV Int. Conf. on Medical Physics (ICMP2005)

Nürnberg, September 14 – 17, 2005

W. Assmann, M. Schubert, K. Schlösser, A. Held, I. Lanzl, E. Oestreicher, A. Pichler, and B. Weber:

Development of Degradable Radioactive Implants for Brachytherapy

Erice05

Erice, Sicily, Italy, September 16-24, 2005

T. Marrodán Undagoitia, F. v. Feilitzsch, L. Oberauer, W. Potzel, M. Göger-Neff, K. Hochmuth, and M. Wurm:

Simulation of the proton decay in the LENA detector

Accepted for publication in Progress in Particle and Nuclear Physics

**2nd Joint Meeting of the Nucl. Physics Div. of the American Physic. Society
and Japanese Physic. Society, Hawaii, USA, September 18 – 22, 2005**

K. Suzuki, M. Cargnelli, L. Fabbietti, N. Herrmann, P. Kienle, J. Marton, T. Yamazaki, J. Zmeskal, and FOPI Collaboration:

Search for Kaonic Nuclear Clusters in Nuclear Collisions with FOPI

K. Suzuki:

Partial Restoration of Chiral Symmetry in the Nuclear Medium Searched by Precision Spectroscopy of Pionic 1s States of Sn Nuclei

Int. Conf. "Beam Cooling and Related Topics COOL 2005"

Galena, USA, September 18 - 23, 2005

U. Schramm:

Combined Laser and Electron Cooling of Bunched C^{3+} Ion Beams at the Storage Ring ESR

International Conference on Electromagnetic Interactions in Nucleons and Nuclei (EINN 2005)
Milos, Greece, September 19 - 23, 2005

W. Weise:

Probing QCD in the confinement domain

Invited plenary talk

MEDEX'05 Meeting
Corfu, Greece, September 26-29, 2005

W. Westphal for the CRESST Collaboration:

Dark Matter Search with CRESST

French-German Summer School on Physics with Ions
Le Senequet, France, September 19 – 26, 2005

W. Assmann:

Radioactive Implants for Brachytherapy

55. Jahrestagung der Österreichischen Physikalischen Gesellschaft
Wien, Österreich, September 27 - 29, 2005

A. Wallner, A. Arazi, W. Rühm, G. Rugel, N. Nakamura, T. Faestermann, K. Knie, H.J. Maier, and G. Korschinek:
First biological signature of A-bomb neutrons obtained from Hiroshima-survivors

A. Wallner, E.A. Dorfi, T. Faestermann, R. Golser, K. Knie, G. Korschinek, W. Kutschera, A. Priller, G. Rugel, P. Steier, and C. Vockenhuber:

Supernovae and Nucleosynthesis: Nuclear Astrophysics with AMS

EURONS Meeting
Bordeaux, France, September 29 - 30, 2005

P.G. Thirolf:

Buffer gas cells as IonCatchers: Production of Low-Energy Radioactive Ion Beams

International Workshop on Critical Stability of Few-Body Quantum Systems (Crit 05)
Dresden, Germany, October 16 - 22, 2005

H.W. Grieffhammer:

Classifying the strengthes of three-body forces — and its use in nuclear physics

Invited talk

International Conference on Particles and Nuclei (PANIC 05)
Santa Fe, USA, October 24 - 28, 2005

M. Procura:

Quark mass dependence of nucleon observables and lattice QCD

Invited talk

Proceedings

C. Ratti:

Phases of QCD: lattice thermodynamics and a field theoretical model

EURISOL-DS Town Meeting
Caen, France, November 28 - 29, 2005

P.G. Thirolf:

Radioactivity control, safety and risk studies within Task 5 of EURISOL-DS

VIDMAN Students Workshop Hamburg, Germany, December 1-2, 2005

W. Westphal, C. Coppi, F. v. Feilitzsch, C. Isaila, J.-C. Lanfranchi, S. Pfister, W. Potzel, W. Rau, and M. Stark:
CRESST Detector Calibrations

International Workshop on Compressed Baryonic Matter GSI, Darmstadt, Germany, December 14 - 16, 2005
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W. Weise:
Phases of QCD
Invited talk

International Workshop on Antikaon-Nuclear Bound Systems Vienna, Austria, December 21 - 22, 2005
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W. Weise:
Introduction to antikaon-mediated bound systems
Invited talk