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Conference Contributions

XXVII Symposium on Nuclear Physics
Taxco, Guerrero, Mexico, January 5 – 8, 2004

G. Graw:
Transfer Reactions and Structure of Heavy Nuclei

32nd Intern. Workshop on Gross Propert. of Nuclei and Nucl. Excitation:
Probing Nuclei and Nucleons with Electrons andPhotons Hirschegg, Austria, Jan. 11–17, 2004

H.W. Grießhammer:
Compton Scattering off Nucleons and Deuterons
Invited talk
Proceedings

W. Weise:
Exploring the QCD connection of the nuclear many-body problem
Invited talk
Proceedings

42th International Winter Meeting on Nuclear Physics
Bormio, Italy, Jan. 25 - Feb. 1, 2004

G. Graw:
Transfer reactions and Structure of heavy nuclei

P. Tlusty, G. Agakichiev, C. Agodi, H. Alvarez-Pol, E. Atkin, A. Balanda, G. Bellia, D. Belver, J. Bielcik, M. Böhmer, H. Bokemeyer, J.L. Boyard, P. Braun-Munzinger, V. Chepurnov, S. Chernenko, T. Christ, R. Coniglione, H. Daues, J. Diaz, R. Djeridi, F. Dohrmann, I. Duran, T. Eberl, V. Emiljanov, L. Fabbietti, O. Fateev, C. Fernandez, P. Finocchiaro, J. Friese, I. Fröhlich, B. Fuentes, J.A. Garzon, R. Gernhäuser, M. Golubeva, D. Gonzalez-Diaz, E. Grosse, F. Guber, J. Hehner, T. Heinz, T. Hennino, S. Hlavac, J. Hoffmann, R. Holzmann, A. Ierusalimov, I. Iori, M. Jaskula, M. Jurkovic, B. Kämpfer, K. Kanaki, T. Karavicheva, I. Koenig, W. Koenig, B.W. Kolb, U. Kopf, R. Kotte, J. Kotulic-Bunta, R. Krücken, A. Kugler, W. Kühn, R. Kulessa, A. Kurepin, T. Kurtukian-Nieto, S. Lang, J. Lehnert, C. Maiolino, J. Marin, J. Markert, Y. Mishin, N. Montes, J. Mousa, M. Münch, C. Müntz, L. Naumann, R. Novotny, W. Ott, J. Otwinowski, Y.C. Pachmayer, Yu. Panebratsev, V. Pechenov, T. Perez, J. Pietraszko, R. Pleskac, V. Pospisil, W. Przygoda, N. Rabin, B. Ramstein, A. Reshetin, J. Ritman, G. Rodriguez-Prieto, M. Roy-Stephan, A. Rustamov, J. Sabin-Fernandez, A. Sadovsky, B. Sailer, P. Salabura, M. Sanchez, P. Sapienza, A. Schmah, C. Schroeder, E. Schwab, P. Senger, R. Simon, W. Smolyankin, L. Smykov, S. Spataro, H. Stelzer, H. Stroebele, J. Stroth, C. Sturm, M. Sudol, A. Titov, A. Toia, M. Traxler, H. Tsertos, A. Vazquez, Yu. Volkov, V. Wagner, W. Walus, Y. Wang, S. Winkler, M. Wisniowski, T. Wojcik, J. Wüstenfeld, Yu. Zanevsky, D. Zovinec, and P. Zumbruch:
Hadron production in C+C at 2 A GeV measured by the HADES spectrometer
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Wien, Österreich, February 16 – 21, 2004

M. Deile, J. Dubbert, N. P. Hessey, S. Horvat, O. Kortner, H. Kroha, A. Manz, S. Mohrdieck-Möck, F. Rauscher, R. Richter, A. Staude, and W. Stiller:
Performance of the ATLAS Muon Drift-Tube Chambers at High Irradiation Rates

6th UCLA Symposium on Sources and Detection of Dark Matter and Dark Energy in the Universe
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C. Cozzini for the CRESST collaboration:
CRESST cryogenic Dark Matter Search

Schleching Winter School 2004
Schleching, Germany, Feb. 26 –Mar. 4, 2004

T.R. Hemmert:
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Köln, Germany, March 8–12, 2004

B. Borasoy, N. Beisert, E. Lipartia, and R. Nißler:
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T. Christ, M. Golubeva, R. Holzmann, M. Jaskula, J. Mousa, P. Salabura, P. Tlusty, T.Wojcik, D. Zovinec, for the HADES collaboration:
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S. Eliseev, W. Plass, Z. Wang, H. Geissel, C. Scheidenberger, D. Habs, P. Thirolf, J.B. Neumayr, and S. Heinz:
Characterization of the SHIPTRAP gas cell with a time-of-flight mass spectrometer
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P. Finelli, N. Kaiser, D. Vretenar, and W. Weise:
The nuclear many-body problem in the context of low-energy QCD
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S. Fritsch, N. Kaiser, and W. Weise:
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T.R. Hemmert:
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A. Heusler, P. von Brentano, G. Graw, R. Hertenberger, and H.-F. Wirth:
^{208}Pb(p,p') via IAR and the shell model
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O. Ivanov for the REX-ISOLDE collaboration:
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E. Kaza, F. Attallah, K. Beckert, P. Beller, F. Bosch, D. Boutin, T. Faestermann, B. Franczak, B. Franzke, H. Geissel, M. Hausmann, M. Hellström, O. Klepper, H.-J. Kluge, C. Kozhuharov, K.-L. Kratz, Yu.A. Litvinov, L. Maier, M. Matos, G. Münzenberg, F. Nolden, Yu.N. Novikov, A.N. Ostrowski, T. Ohtsubo, A. Ozawa, N. Pfeiffer, M. Portillo, C. Scheidenberger, J. Stadlmann, M. Steck, T. Suzuki, K. Sümmerer, D. Vieira, H. Weick, M. Winkler, H. Wollnik, and T. Yamaguchi:
Schottky mass measurements of neutron-rich nuclides between lead and uranium
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O. Kester, D. Habs, H. Bongers, T. Sieber, K. Rudolph , M. Pasini, and the REX-ISOLDE collaboration:
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O. Möller, H.-F. Wirth, Y. Eisermann, R. Hertenberger, G. Graw, S. Christen, and J. Jolie:
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T. Morgan, C. Alvarez, B. Bruyneel, A. Bürger, D. Habs, R. Hertenberger, N. Holzapfel, H. Hübel, H.J. Maier, E. Mergel, P. Reiter, C. Schürmann, W. Schwerdtfeger, and P. Thirolf:
Towards γ spectroscopy of Odd-N fission isomers
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F. Nebel, T. Faestermann, R. Krücken, for the MAFF collaboration:
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New developments on a parallel plate avalanche counter (PPAC) for low-energy radioactive ions
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M. Pasini, O. Kester, M. Schumann, D. Habs, T. Sieber , and A. Schempp:
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T. Perez for the HADES collaboration:
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H. Scheit for the REX-MINIBALL-collaboration:
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D. Weisshaar for the AGATA collaboration:
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W. Assmann and RadBioMat-Kollaboration:
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E. Nolte, C. Stan-Sion, A. Letourneau, H. Reithmeier, and V. Lazarev:
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T. Christiansen for the DØ collaboration:
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Serientest und Kalibration von ATLAS Driftrohr-Kammern mit kosmischen Myonen
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J. Elmsheuser for the DØ collaboration:
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M. Erlebach, O. Biebel, for the DØ collaboration:
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B. Leonhardt for the DØ collaboration:
Messung des Transversalimpulsspektrums des Z0-Bosons im Muonkanal am Tevatron
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T. Nunnemann for the DØ collaboration:
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F. Rauscher, M. Deile, J. Dubbert, S. Horvat, O. Kortner, H. Kroha, A. Manz, S. Mohrdieck-Möck, R. Richter, A. Staude, W. Stiller, for the ATLAS collaboration:
Auflösungsverbesserung durch Time-Slewing-Korrektur bei Driftrohren des ATLAS-Myon-Spektrometers
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W. Stiller, O. Kortner, H. Kroha, M. Deile, F. Rauscher, for the ATLAS collaboration:
Autokalibration der Driftrohrkammern des ATLAS Myonspektrometers bei hohen Untergrundraten
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R. Ströhmer:
Determination of the W-mass and the WW and ZZ cross-section at LEP

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Tokyo, Japan, April 14-17, 2004

R. Becker and O. Kester:
The EBIS/T as Coulomb target for ions

O. Kester, F. Wenander, and R. Becker:
Charge breeding of stable and radioactive ion beams with EBIS/T devices

Conference on High Precision Mass Measurements
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J. Szerypo:
Testing the MAFFTRAP Penning trap system

Annual APS April Meeting
Denver, Colorado, U.S.A, May 1 – 4, 2004

P. Schieferdecker:
Measurement of the Top Quark mass with the Run-II data at DØ using the matrix element method

Displays and Vacuum Electronics
Garmisch-Partenkirchen, Bavaria, May 3 - 4, 2004

R. Steinhübl, N. Koch, and G. Kornfeld:
Development of Electron Guns for Excimer Light Sources in the Vacuum Ultraviolet Regime
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A. Ulrich, A. Morozov, R. Krücken, and J. Wieser:
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Freiburg, May 17 – 18, 2004

M. Schubert:
Beta-Dosimetrie - Messungen und Vergleich zu Geant4-Simulationen

8th International Spring Seminar on Nuclear Physics, Key Topics in Nuclear Structure
Paestum, Italy, May 23 – 27, 2004

G. Graw:
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M. Mutterer, Yu.N. Kopatch, P. Jesinger, A.M. Gagarski, F. Gönnenwein, J.v.Kalben, S.G. Klebnikov, I. Kojouharov, E. Lubkiewiecz, Z. Mezentseva, V. Nesvishevsky, G.A. Petrov, H. Schaffner, H. Scharma, D. Schwalm, P. Thirolf, W.H. Trzaska, G.P. Tyurin, and H.J. Wollersheim:
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COSY 11 Workshop
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B. Borasoy:
Hadronic Decays of η and η'
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B. Borasoy:
Hadronic Decays of η and η'

SEESAW25, international conference on the see-saw mechanism
Paris, France, June 10-11, 2004

M. Lindner:
The seesaw mechanism and renormalization group effects
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21st International Conference on Neutrino Physics and Astrophysics (Neutrino 2004)
Paris, France, June 14-19, 2004

M. Göger-Neff *et al.*:
LENA - A large liquid scintillator detector for low energy neutrino astronomy

P. Huber, M. Lindner, T. Schwetz, M. Rolinec, and W. Winter:
GLoBES - General Long Baseline Experiment Simulator
Proceedings

J.-C. Lanfranchi *et al.*:
Development of a cryogenic detection concept for GNO

L. Oberauer:
Theta13 measurements with reactors

12th Intern. Conf. on Supersymmetry and Unification of Fundamental Interactions (SUSY04)
Tsukuba, Japan, June 17-23, 2004

J. Kersten:
Renormalization group evolution of neutrino mixings and applications
Proceedings

R. Ströhmer for the CDF and DØ Collaborations:
Leptoquark Searches at the Tevatron

International School of Physics "Enrico Fermi", Course "Physics of Hadrons"
Varenna, Italy, June 22 – July 2, 2004

W. Weise:
Topics in QCD and Hadron Physics
Invited lectures

International Nuclear Physics Conference (INPC 2004)
Göteborg, Sweden, June 27 – July 2, 2004

T. Aumann for the R3B collaboration:
The high-energy branch of the Super-FRS: A universal setup for kinematical complete measurements of Reactions with Relativistic Radioactive Beams (R3B)
Proceedings

A. Dewald, T. Grahn, O. Möller, C.W. Beausang, S. Eeckhaudt, P. Greenlees, P. Jones, R. Julin, S. Juutinen, H. Kettunen, Th. Kröll, M. Leino, A.-P. Leppänen, P. Maierbeck, D. Meyer, P. Nieminen, M. Nyman, J. Pakarinen, P. Rahkila, B. Saha, C. Scholey, and J. Uusitalo:
RDDS lifetime measurements with JUROGAM + RITU
Proceedings

O. Niedermaier for the MINIBALL and REX-ISOLDE collaborations:
The neutron-rich Mg isotopes: first results from MINIBALL at REX-ISOLDE
Nucl. Phys. **A** (2004) in press

P. Thirolf:
New Insights into the Fission Barrier Landscape of Light Actinides

W. Weise:
Nucleons and Nuclei in the Context of Low-Energy QCD
Invited talk
Proceedings

1st annual meeting of the Asia Oceania Geoscience Society
Singapur, July 5 –9, 2004

G. Korschinek, T. Faestermann, G. Rugel, E.A. Dorfi, A. Wallner, and K. Knie:
A chronological correlation between a close supernova and the climate in the past: is there a coherence?

EPAC2004
Luzern, Switzerland, July 5-9, 2004

M. Pasini, O. Kester, D. Habs, and T. Sieber:
RF Design of the MAFF IH-RFQ Power Resonator

M. Pasini, O. Kester, D. Habs, A. Bechthold, and A. Schempp:
Beam Dynamics Studies for the Low Energy Section at MAFF

Light Sources 2004
Toulouse, France, July 18 – 22, 2004

A. Morozov, J. Wieser, R. Krücken, and A. Ulrich:
UV Light Emission from Electron Beam Excited Ar-H_2O Gas Mixtures
IoP Proceedings **182** (2004) 517

A. Ulrich, A. Morozov, R. Krücken, A. Görtler, J. Wieser, G. Kornfeld, A. Peters, R. Steinhübl, F. Mühlberger, and R. Zimmermann:
Electron Beam Pumped Ultraviolet Light Sources
IoP Proceedings **182** (2004) 367

TRIUMF - The Eighth International Symposium on Nuclei in the Cosmos, NIC VIII
Vancouver, BC, Canada, July 19–23, 2004

K. Knie, G. Korschinek, T. Faestermann, M. Poutivtsev, G. Rugel, A. Wallner, and E.A. Dorfi:
Supernova Produced Radioactivity on Earth

G. Korschinek, T. Faestermann, K. Knie, G. Rugel, and A. Wallner:
Measurement of the ^{25}Mg(p,γ)^{26}Al reaction at stellar energies

International Workshop "Matching light quarks to hadrons"
Benasque, Spain, July 25–30, 2004

T.R. Hemmert:
Constraining the chiral extrapolation of baryon properties via scattering experiments
Invited talk

Gordon Research Conference "Photonuclear Reactions"
Tilton, NH, USA, August 1–6, 2004

T.R. Hemmert:
News from Delta(1232) in Chiral Effective Field Theory
Invited talk

International Workshop "Hadron Deformation"
MIT, Boston, USA, August 7–9, 2004

T.R. Hemmert:
Chiral extrapolationn of NN and NDelta form factors
Invited talk

LINAC2004
Lübeck, Germany, August 16-20, 2004

O. Kester, D. Habs, S. Emhofer, K. Rudolph, T. Sieber , F. Wenander, F. Ames, P. Delahaye, M. Lindroos, P. Butler , R. von Hahn, R. Repnow, H. Scheit, and D. Schwalm:
Status of REX-ISOLDE

T. Sieber, O. Kester, and D. Habs:
Test and First Experiments with the new REX-ISOLDE 200 MHz IH-Structure

32nd International Geological Congress IGC
Florence, Italy, August 20–28, 2004

M. Poutivtsev, A. Arazi, T. Faestermann, K. Knie, G. Korschinek, G. Rugel, J. Scholten, A. Mangini, and A. Wallner:
^{53}Mn in ferromanganese encrustations: A new approach for dating

Scottish Universities' International Summer School on Physics, Course Hadron Physics
St. Andrews, Scotland, August 22–29, 2004

W. Weise:
The QCD Vacuum and its Hadronic Excitations
Invited lectures

19th European Few-Body Conference
Groningen, Netherlands, August 23–27, 2004

H.W. Grießhammer:
Some Recent Developments in Electro-Magnetic Interactions of Few-Body Systems
Invited plenary talk

EU-I3 topical workshop "Hadron Physics"
St. Andrews University, Scotland, August 30 – September 1, 2004

T.R. Hemmert:
Chiral dynamics of the nucleon-delta transition

XXXIX Intern. Symposium on Atomic Nuclei at Extreme Values of Temperature, Spin and Isospin
Zakopane School of Physics, Zakopane, Poland, August 31 - September 5, 2004

J. Szerypo:
Penning trap system in Munich

International Workshop on "Novel Approaches to the Nuclear Many-Body Problem"
ECT* Trento, Italy, September 6–17, 2004

W. Weise:
Chiral Dynamics, Low-Energy QCD and the Nuclear Many-Body Problem
Invited talk

Workshop at the occasion of the 40th Anniversary of the Karlsruhe Van de Graaff
Experimental Nuclear Astrophysics - Challenges and Opportunities, Karlsruhe, September 7–9, 2004

G. Korschinek:
Accelerator mass spectrosmetry
http://ik3frodo.fzk.de/our-vdg-is-40/workshop.shtml

4th International Conference on Exotic Nuclei and Atomic Masses (ENAM'04)
Callaway Gardens, USA, September 12 -16, 2004

T. Grahn, A. Dewald, O. Möller, C.W. Beausang, S. Eeckhaudt, P. Greenlees, P. Jones, R. Julin, S. Juutinen, H. Kettunen, Th. Kröll, M. Leino, A.-P. Leppänen, P. Maierbeck, D. A. Meyer, P. Nieminen, M. Nyman, J. Pakarinen, P. Rahkila, B. Saha, C. Scholey, and J. Uusitalo:
RDDS lifetime measurements with JUROGAM + RITU
Eur.Phys.J. **A** (2004) in press

H. Scheit for the MINIBALL and REX-ISOLDE collaborations:
Coulomb Excitation of Neutron-Rich Beams at REX-ISOLDE
Eur.Phys.J. **A** (2004) in press

Erice School Worksh. on Nucl. Physics, 26th Course: Lepton Scatt. and the Struct. of Hadr. and Nucl.
Erice Trapani,Italy, September 16-24, 2004

H.W. Grießhammer:
Compton Scattering and the Polarisabilities of the Nucleons
Invited talk
Proceedings

International Workshop "Relativistic Density Functional Theory for Nuclear Structure"
INT, Seattle, USA, September 20–24, 2004

S. Fritsch:
Chiral Dynamics of Nuclear Matter: Role of the Delta-Isobar

W. Weise:
Nuclear Matter and Nuclei in the Context of Chiral Dynamics and Low-Energy QCD
Invited talk

International Conference on Cumputing in High energy Physics CHEP 04
Interlaken, Schweiz, September 27 – October 1, 2004

G. Duckeck :
Performance of the NorduGrid ARC and the Dulcinea Executor in ATLAS Data Challenge 2

J. Kennedy:
The role of legacy services within ATLAS DC2

Conference "X Convegno su problemi de fisica nucleare teorica"
Cortona, Italy, October 6–9, 2004

C. Ratti:
Thermodynamics of the Two-Colour NJL Model

2004 IEEE Nuclear Science Symposium
Rom, Italy, October 16 – 22, 2004

O. Biebel, T. Christiansen, J. Dubbert, J. Elmsheuser, F. Fiedler, R. Hertenberger, O. Kortner, T. Nunnemann, F. Rauscher, D. Schaile, A. Staude, R. Ströhmer, B. Ujvari, and C.F. Vollmer :
Test and Calibration of Large Drift Tube Chambers with Cosmic Rays

22nd World Conf. of the INTDS, Prepar. of Nucl.Targets and Samples for Advanced Measurements
Gaithersburg, USA, October 19 - 22, 2004

J. Szerypo:
Radioactivity distribution in the MAFF beamline

I D E A Integrated Double-beta decay, European Activities
Heidelberg, October 21–22, 2004

V. Lazarev:
^{150}Nd activities at TUM

10th International Conference on the Structure of Baryons, Baryons 2004
Ecole polytechnique, Palaiseau, France, October 25–29, 2004

D. Jido:
Chiral dynamics of the two $\Lambda(1405)$ states
Invited talk

M. Procura:
Chiral extrapolation of nucleon mass and axial-vector coupling constant

9th Int.Conf. on Health Effects of Incorp. Radionucl. Emphasis on Ra, Th, U and their Daugther Prod. (HEIR 2004) GSF-National Research Center, Neuherberg, Germany, November 29 - December 1, 2004

A.A. Friedl, G.A. Drexler, R. Löwe, G. Dollinger, A. Hauptner, V. Hable, C. Greubel, R. Krücken, T. Cremer, and S. Dietzel:
Radiobiological experiments at the Munich ion microbeam SNAKE
Proceedings

WE-Heraeus-Workshop "Effective Field Theories in Nuclear, Particle and Atomic Physics"
Bad Honnef, Germany, December 13–17, 2004

H.W. Grießhammer:
Nucleon Polarisabilities from Compton Scattering off the Proton and Deuteron
Invited talk
Proceedings

T.R. Hemmert:
Chiral extrapolation of baryon properties — recent progress
Invited talk
Proceedings

N. Kaiser:
Chiral Dynamics of Nuclear Matter: Role of Two-Pion Exchange with Delta-Isobar Excitation
Invited talk
Proceedings

Japanese-German Workshop on Nuclear Structure and Astrophysics
GSI, Darmstadt, Germany, December 16–18, 2004

W. Weise:
Nucleons and Nuclei in the Context of Low-Energy QCD
Invited talk