V
PUBLICATIONS

V.1
Publications and Reports

H. Abele, M. Astruc Hoffmann, S. Baeßler, D. Dubbers, F. Glück, U. Müller, V. Nesvizhevsky, J. Reich, and O. Zimmer:
Is the Unitarity of the Quark-mixing CKM Matrix Violated in Neutron Beta Decay?
Phys. Rev. Lett. **88** (2002) 211801

M.I. Adamovich, Yu.A. Alexandrov, S.P. Baranov, D. Barberis, M. Beck, C. Berat, W. Beusch, M. Boss, S. Brons, W. Bruckner, M. Buenerd, C. Busch, C. Buscher, F. Charignon, J. Chauvin, E.A. Chudakov, U. Dersch, F. Dropmann, J. Engelfried, F. Faller, A. Fournier, S.G. Gerassimov, M. Godbersen, P. Grafstrom, Th. Haller, M. Heidrich, E. Hubbard, R.B. Hurst, K. Konigsmann, I. Konorov, N. Keller, K. Martens, Ph. Martin, S. Masciocchi, R. Michaels, U. Müller, H. Neeb, D. Newbold, C. Newsom, S. Paul, J. Pochodzalla, I. Potashnikova, B. Povh, R.D. Ransome, Z. Ren, M. Rey-Campagnolle, G. Rosner, L. Rossi, H. Rudolph, C. Scheel, L. Schmitt, H.-W. Siebert, A. Simon, V.J. Smith, O. Thilmann, A. Trombini, E. Vesin, B. Volkemer, K. Vorwalter, Th. Walcher, G. Walder, R. Werding, E. Wittmann, and M.V. Zavertyaev:
Spectra and Correlations of Λ and Λ Produced in 340 GeV/c Σ^+_- +C and 260 GeV/c n+C Interactions
Phys. Rev. **C65** (2002) 042202

P. Alexa, A. Synytsya, K. Volka, J. de Boer, S. Froschauer, M. Loewe, M. Moosburger, M. Würkner, R. Gerlach, and P. Quicken:
Raman Spectroscopy of Tissue Samples after Irradiation by 24 MeV Protons

T. Alexopoulos, E. Gazis, Y. Tsipolitis, S. Ahlen, J. Bensinger, K. Hashemi, C. Amelung, W. Andreazza, F. Cerutti, S. Palestini, I. Trigger, G. Avolio, M. Antonelli, B. Esposito, K. Handrich, G. Brandenburg, J. Chapman, S. Goldfarb, D. Levin, R. Thun, B. Zhou, O. Kortner, F. Rauscher, A. Staude, H. Kroha, H. Dietl, S. Horvat, M. Manz, R. Richter, D. Della Volpe, F. Linde, R. Ferrari, G. Gaudio, A. Lanza, M. Livan, A. Negri, G. Polesello, M. Prata, A. Rimoldi, D. Scannicchio, V. Vercesi, R. Fakhroutdinov, C. Bini, G. Ciapetti, M. Cirilli, S. Falciano, E. Pasqualucci, D. Pomarede, L. Pontecorvo, T. Baroncelli, P. Branchini, M. Iodice, F. Petrucci, E. Spiriti, F. Bauer, C. Guyot, J. F. LaPorte, P. Mockett, and J. Rothberg:
System Test of the ATLAS Muon Spectrometer in the H8 Test Area: Program for Year 2002
ATL-COM-MUON (2002) 007

G. Alimonti for the BOREXINO Collaboration:
Measurement of Extremely Low Radioactivity Levels in BOREXINO
Astropart. Phys. **18** (2002) 1

G. Alimonti for the BOREXINO Collaboration:
Science and Technology of BOREXINO: A Real-time Detector for Low Energy Solar Neutrinos
Astropart. Phys. **16** (2002) 205

G. Alimonti for the BOREXINO Collaboration:
Search for Electron Decay Mode $e \to \gamma\nu$ with Prototype of BOREXINO Detector
Phys. Lett. **B525** (2002) 29

M.C. Altunbas, M. Capeans, K. Dehmelt, J. Ehlers, J. Friedrich, I. Konorov, A. Gandi, S. Kappler, B. Ketzer, R. De Oliveira, S. Paul, A. Placci, L. Ropelewski, F. Sauli, F. Simon, and M. van Stenis:
Construction, Test and Commissioning of the Triple-GEM Tracking Detector for COMPASS
Nucl. Instr. Meth. **A490** (2002) 177

C. Amsler for the Crystal Barrel Collaboration:
Comment on "Protonium annihilation into $\pi^0\pi^0$ at rest in a liquid hydrogen target"
Phys. Rev. **D66** (2002) 058101

J. U. Andersen, F. Grüner, V.A. Ryabov, and A. Uguzzoni:
On Transverse Cooling of Channeled Ions by Electron Capture and Loss
Nucl. Instr. Meth. **B193** (2002) 118

G. Angloher *et al.*:
Limits on WIMP Dark Matter Using Sapphire Cryogenic Detectors
Astropart. Phys. **18** (2002) 43

G. Angloher *et al.*:
Energy Resolution ΔE=12eV at 5.9keV for Lead Absorber Coupled to a Single Al-STJ via Phonons
AIP Conference Proceedings **605** (2002) 23

A. Arazi, T. Faestermann, J. Fernandez-Niello, K. Knie, G. Korschinek, E. Richter, G. Rugel, and A. Wallner:
Measurement of the ^{25}Mg(p,γ)^{26}Al Reaction at Stellar Energies
New Astronomy Reviews **46** (2002) 525

S. Bachmann, A. Bressan, M. Capeans, M. Deutel, S. Kappler, B. Ketzer, A. Polouektov, L. Ropelewski, F. Sauli, E. Schulte, L. Shekhtman, and A. Sokolov:
Discharge Studies and Prevention in the Gas Electron Multiplier (GEM)
Nucl. Instr. Meth. **A479**(2-3) (2002) 294

S. Bachmann, S. Kappler, B. Ketzer, Th. Müller, L. Ropelewski, F. Sauli, and E. Schulte:
High Rate X-ray Imaging Using Multi-GEM Detectors with a Novel Readout Design
Nucl. Instr. Meth. **A478**(1-2) (2002) 104

V. Baran, M. Colonna, M. Di Toro, V. Greco, M. Zielinska-Pfabe, and H.H. Wolter:
Isospin Effects in Nuclear Fragmentation
Nucl. Phys. **A703** (2002) 603

G. Barenboim, M. Gorbahn, U. Nierste, and M. Raidal:
Higgs Sector of the Minimal Left-Right Symmetric Model
Phys. Rev. **D65** (2002) 095003

P. Bartsch, D. Baumann, J. Bermuth, R. Bohm, D. Bosnar, M. Ding, M. Distler, D. Drechsel, D. Elsner, I. Ewald, J. Friedrich, J.M. Friedrich, S. Grozinger, S. Hedicke, P. Jennewein, M. Kahrau, S.S. Kamalov, F. Klein, K.W. Krygier, A. Liesenfeld, H. Merkel, P. Merle, U. Müller, R. Neuhausen, T. Pospischil, M. Potokar, G. Rosner, H. Schmieden, M. Seimetz, A. Sule, L. Tiator, A. Wagner, Th. Walcher, and M. Weis:
Measurement of the Beam-helicity Asymmetry in the p(e,e'p) π_0 Reaction at the Energy of the Δ(1232) Resonance
Phys. Rev. Lett. **88**(14) (2002) 142001/1

F. Bauer, W. Blum, H. Dietl, S. Kotov, H. Kroha, A. Manz, A. Ostapchuk, R. Richter, S. Schael , S. Chouridou, D. Schaile, A. Staude, R. Strohmer, T. Trefzger, E. Diehl, D. Levin, S. McKee, H. Neal, G. Tarle, R. Thun, B. Zhou, K. Bouzakis, A. Krepouri, P. Paschalias,, C. Petridou, D. Sampsonidis, I. Tsiafis, C. Valderanis, and J. Wotschack:
The First Precision Drift Tube Chambers for the Atlas Muon Spectrometer
Nucl. Instr. Meth. **A478** (2002) 153-15

Th. Bauer, M. Schreck, F. Hörmann, A. Bergmaier, G. Dollinger, and B. Stritzker:
Analysis of the total carbon deposition during the bias enhanced nucleation of diamond on Ir/SrTiO3 (001) using 13C-methan
Diam. Relat. Mater. **11** (2002) 493

P.F. Bedaque, G. Rupak, H.W. Grießhammer, and H.W. Hammer:
Low Energy Expansion in the Three Body System to All Orders and the Triton Channel
Nucl. Phys. **A714** (2002) 589

N. Beisert and B. Borasoy:
The Decay $\eta' \to \eta\pi\pi$ in $U(3)$ Chiral Perturbation Theory
Nucl. Phys. **A705** (2002) 433

V. Bernard, T.R. Hemmert, and U.-G. Meißner:
Novel Analysis of Chiral Loop Effects in the Generalized Gerasimov-Drell-Hearn Sum Rule
Phys.Lett. **B545** (2002) 105

J. Bhirikova and A.V. Sushkov:
^{162}Dy Studied with (n,γ), (n,n'γ), (d,p) and (d,t) Reactions
Nucl. Phys. **A584** (1995) 413–448

S. M. Bilenky, T. Lachenmaier, W. Potzel, and F. v.Feilitzsch:
Implications of the SNO and the Homestake Results for the BOREXINO Experiment
Phys. Lett. **B533** (2002) 191

M. Binder, J. Dubbert, R. Hertenberger, J. Elmsheuser, O. Kortner, F. Rauscher, M. Rykaczewski, O. Sahr, D. Schaile, A. Staude, H. Steffens, W. Stiller, V. Zhuravlov, and C. Zupancic:
First Results from the Cosmic-Ray Test-Facility at LMU Munich
ATL-COM-MUON (2002) 005

C. Bobeth, A. Buras, F. Krüger, and J. Urban:
QCD Corrections to $\bar{B} \to X_{d,s}\nu\bar{\nu}$, $\bar{B}_{d,s} \to \ell^+\ell^-$ $K \to \pi\nu\bar{\nu}$ and $K_L \to \mu^+\mu^-$ in the MSSM
Nucl. Phys. **B630** (2002) 87-131

C. Bobeth, T. Ewerth, F. Krüger, and J. Urban:
Enhancement of $B(\bar{B}_d \to \mu^+\mu^-)/B(\bar{B} \to \mu^+\mu^-)$ in the MSSM with Minimal Flavour Violation and Large $\tan\beta$
Phys. Rev. **D66** (2002) 074021

H. Bongers, M. Groß, D. Habs, H.J. Maier, O. Kester, T. Sieber, P.G. Thirolf, U. Köster, T. Faestermann, and T. v.Egidy:
Production of Intense Beams of Fission Fragments at MAFF
Rev. Sci. Instr. **73** (2002) 809

B. Borasoy, B. Holstein, R. Lewis, and P. Ouimet:
Long Distance Regularization in Chiral Perturbation Theory with Decuplet Fields
Phys. Rev. **D66** (2002) 094020

B. Borasoy, R. Lewis, and P. Ouimet:
Baryon Magnetic Moments and Sigma-terms in Lattice Regularized Chiral Perturbation Theory
Phys. Rev. **D65** (2002) 114023

B. Borasoy, E. Marco, and S. Wetzel:
η, η' Photoproduction and Electroproduction off Nucleons
Phys. Rev. **C66** (2002) 055208

The Borexino Collaboration:
Measurements of Extremely Low Radioactivity Levels in BOREXINO
Astroparticle Physics **18**(1) (2002) 1

The Borexino Collaboration:
e $\rightarrow \gamma + \nu$ with Prototype of Borexino Detector
Phys. Lett. **B525**(1-2) (2002) 29

The Borexino Collaboration:
Science and Technology of Borexino: A Real-time Detector for Low Energy Solar Neutrinos
Astroparticle Physics **16**(1) (2002) 205

M. Boutemeur:
Coherence effects and perturbative QCD tests with the OPAL detector at LEP
Fortsch. Phys. **50** (2002) 1001-1125

B. van den Brandt, H. Glättli, I. Grillo, P. Hautle, H. Jouve, J. Kohlbrecher, J.A. Konter, E. Leymarie, S. Mango, R. May, H.B. Stuhrmann, and O. Zimmer:
Neutron Scattering from Polarized Proton Domains
Europhys. Lett. **59** (2002) 62

B. Brijs, C. Huyghebaert, S. Nauwelaerts, M. Caymax, W. Vandervorst, K. Nakajima , K. Kimura, A. Bergmaier, G. Dollinger, W.N. Lennard, G. Terwagne, and A. Vantomme:
Advanced Characterisation of High-k Materials: A Nuclear Approach
Nucl. Instr. Meth. **B190** (2002) 505

A. Buras, A. Czarnecki, M. Misiak, and J. Urban:
Completing the NLO QCD Calculation of $\bar{B} \rightarrow X_s\gamma$
Nucl. Phys. **B631** (2002) 219-238

A. Buras, F. Parodi, and A. Stocchi:
The CKM Matrix and the Unitarity Triangle: Another Look
hep-ph/0207101

A. Buras and M. Misiak:
$\bar{B} \rightarrow X_s\gamma$ after Completion of the NLO QCD Calculations
Acta Phys. Polon. **B33** (2002) 2597

A. Buras, P.H. Chankowski, J. Rosiek, and L. Slawianowska:
Correlation between ΔM_s and $B^0_{s,d} \rightarrow \mu^+\mu^-$ in Supersymmetry at Large $\tan\beta$
Phys. Lett. **B546** (2002) 96-107

A. Buras, P.H. Chankowski, J. Rosiek, and L. Slawianowska:
$\Delta M_{d,s}$, $B^0_{d,s} \rightarrow \mu^+\mu^-$ and $B \rightarrow X_s\gamma$ in Supersymmetry at Large $\tan\beta$
hep-ph/0210145

A. Buras:
The Unitarity Triangle: 2002 and Beyond
hep-ph/0210291

A. Buras, M. Spranger, and A. Weiler:
The Impact of Universal Extra Dimensions on the Unitarity Triangle and Rare K and B Decays
hep-ph/0212143

J. Byrne, P.G. Dawber, M. van der Grinten, C.G. Habeck, F. Shaikh, J.A. Spain, R.D. Scott, C.A. Baker, K. Green, and O. Zimmer:
Determination of the Electron-antineutrino Angular Correlation Coefficient a0 and the Parameter $\lambda = g_A/g_V$ in Free Neutron $/beta$-decay from Measurements of the Integrated Energy Spectrum of Recoil Protons Stored in an Ion Trap
J. Phys. **G28** (2002) 1325

M.A. Caprio, N.V. Zamfir, R.F. Casten, C.J. Barton, C.W. Beausang, J.R. Cooper, A.A. Hecht , R. Krücken, H. Newman, J.R. Novak, N. Pietralla, A. Wolf, and K.E. Zyromski:
Low-spin structure of ^{156}Dy through gamma-ray spectroscopy
Phys. Rev. **C66** (2002) 054310

L. Casagrande, M.C. Abreu, W.H. Bell, P. Berglund, W. de Boer, E. Borchi, K. Borer, M. Bruzzi, S. Buontempo, S. Chapuy, V. Cindro, P. Collins, N. D'Ambrosio, C. Da Via, S. Devine, B. Dezillie, Z. Dimcovski, V. Eremin, A. Esposito, V. Granata, E. Grigoriev, F. Hauler, E. Heijne, S. Heising, S. Janos, L. Jungermann, I. Konorov, Z. Li, C. Lourenco, M. Mikuz, T.O. Niinikoski, V. O'Shea, S. Pagano, V.G. Palmieri, S. Paul, S. Pirollo, K. Pretzl, P. Rato Mendes, G. Ruggiero, K. Smith, P. Sonderegger, P. Sousa, E. Verbitskaya, S. Watts, and M. Zavrtanik:
Radiation Hard Cryogenic Silicon Detectors
Nucl. Instr. Meth. **A477**(1-3) (2002) 299

M. Cavenago, O. Kester, T. Lamy, and P. Sortais:
Model of Accumulation, Multi-ionization and Extraction of Ions in ECR Ion Sources
Rev. Sci. Instrum. **73** (2002) 537

P.H. Chankowski and J. Rosiek:
Supersymmetry (at Large $\tan\beta$) and Flavour Physics
Acta Phys. Polon. B **33** (2002) 2329

S. Cherubini, C. Angulo, M. Couder, W. Galster, J.S. Graulich, P. Leleux, P. Lipnik, M. Loiselet, A. Musumarra, A. Ninane, G. Ryckewaert, J. Vervier, M. Aliotta, P. Figuera, M. Lattuada, M.G. Pellegriti, C. Spitaleri, T. Davinson, A. Di Pietro, A.M. Laird, A.N. Ostrowski, A.C. Shotter, P.J. Woods, J. Hinnefeld, S. Typel, and H.H. Wolter:
New Developments and Recent Results in Nuclear Astrophysics at Louvain-la-Neuve
Nucl. Phys. **A701** (2002) 632

M.J. Chromik, P.G. Thirolf, M. Thoennessen, B.A. Brown, T. Davinson, D. Gassmann, P. Heckman, J. Prisciandaro, P. Reiter, E. Tryggestad, and P.J. Woods:
Two Proton Spectroscopy of Low-lying States in ^{17}Ne
Phys. Rev. **C66** (2002) 024313

T. Faestermann, R. Schneider, A. Stolz, K. Sümmerer, E. Wefers, J. Friese, H. Geissel, M. Hellström, P. Kienle, H.-J. Körner, M.N. Mineva, M. Münch, G. Münzenberg, C. Schlegel, K.-H. Schmidt, P.G. Thirolf, H. Weick, and K. Zeitelhack:
Decay Studies of N=Z Nuclei from ^{75}Sr to ^{102}Sn
Eur. Phys. Jour. **A15** (2002) 185

T. Frank *et al.*:
Development of 300g Scintillating Calorimeters
AIP Conference Proceedings **605** (2002) 353

S. Fritsch, N. Kaiser, and W. Weise:
Chiral Dynamics of Nuclear Matter at Finite Temperature
Phys. Lett. **B545** (2002) 73

C. Gahn, G.D. Tsakiris, G. Pretzler, K.J. Witte, P.G. Thirolf, D. Habs, C. Delfin, and C.-G. Wahlström:
Generation of MeV Electrons and Positrons with Femtosecond Pulses from a Table-top Laser System
Physics of Plasmas **9** (2002) 987

F.G. Garcia, G. Alkhazov, A.G. Atamantchouk, M.Y. Balatz, N.F. Bondar, P.S. Cooper, L.J. Dauwe, G.V. Davidenko, U. Dersch, A.G. Dolgolenko, G.B. Dzyubenko, R. Edelstein, L. Emediato, A.M.F. Endler, J. Engelfried, I. Eschrich, C.O. Escobar, A.V. Evdokimov, I.S. Filimonov, M. Gaspero, I. Giller, V.L. Golovtsov, P. Gouffon, E. Gulmez, He Kangling, M. Iori, S.Y. Jun, M. Kaya, J. Kilmer, V.T. Kim, L.M. Kochenda, I. Konorov, A.P. Kozhevnikov, A.G. Krivshich, H. Kruger, M.A. Kubantsev, V.P. Kubarovsky, A.I. Kulyavtsev, N.P. Kuropatkin, V.F. Kurshetsov, A. Kushnirenko, S. Kwan, J. Lach, A. Lamberto, L.G. Landsberg, I. Larin, E.M. Leikin, Li Yunshan, M. Luksys, T. Lungov, V.P. Maleev, D. Mao, Mao Chensheng, Mao Zhenlin, P. Mathew, M. Mattson, V. Matveev, E. McCliment, M.A. Moinester, V.V. Molchanov, A. Morelos, K.D. Nelson, A.V. Nemitkin, P.V. Neoustroev, C. Newsom, A.P. Nilov, S.B. Nurushev, A. Ocherashvili, Y. Onel, E. Ozel, S. Ozkorucuklu, A. Penzo, S.V. Petrenko, P. Pogodin, M. Procario, V.A. Prutskoi, E. Ramberg, G.F. Rappazzo, B.V. Razmyslovich, V.I. Rud, J. Russ, P. Schiavon, J. Simon, A.I. Sitnikov, D. Skow, V.J. Smith, M. Srivastava, V. Steiner, V. Stepanov, L. Stutte, M. Svoiski, N.K. Terentyev, G.P. Thomas, L.N. Uvarov, A.N. Vasiliev, D.V. Vavilov, V.S. Verebryusov, V.A. Victorov, V.E. Vishnyakov, A.A. Vorobyov, K. Vorwalter, J. You, Zhao Wenheng, Zheng Shuchen, and R. Zukanovich-Funchal:
Hadronic Production of Λ_c from 600 GeV/c π_-, Σ_-, and p Beams
Phys. Lett. **B528**(1-2) (2002) 49

H. Geissel, H. Gilg, A. Gillitzer, R.S. Hayano, S. Hirenzaki, K. Itahashi, M. Iwasaki, P. Kienle, M. Munch, G. Munzenberg, W. Schott, K. Suzuki, D. Tomono, H. Weick, T. Yamazaki, and T. Yoneyama:
Deeply Bound 1s and 2p Pionic States in ^{205}Pb and Determination of the s-wave Part of the Pion-nucleus Interaction
Phys. Rev. Lett. **88**(12) (2002) 122301/1

H. Geissel, H. Gilg, A. Gillitzer, R.S. Hayano, S. Hirenzaki, K. Itahashi, M. Iwasaki, P. Kienle, M. Munch, G. Monzenberg, W. Schott, K. Suzuki, D. Tomono, H. Weick, T. Yamazaki, and T. Yoneyama:
Experimental Indication of a Reduced Chiral Order Parameter from the 1s π^- State in ^{205}Pb
Phys. Lett. **B549**(1-2) (2002) 64

H. Geissel, H. Gilg, A. Gillitzer, R.S. Hayano, S. Hirenzaki, K. Itahashi, M. Iwasaki, P. Kienle, M. Munch, G. Munzenberg, W. Schott, K. Suzuki, D. Tomono, H. Weick, T. Yamazaki, and T. Yoneyama:
Deeply Bound 1s and 2p Pionic States in ^{205}Pb and Effective Pion Mass in Nuclear Matter
AIP Conference Proceedings, Protvino, Russia, 2002, p. 749

I. Gobrecht, E. Gutsmiedl, and A. Scheuer:
Status Report on the Cold Neutron Source of the Garching Neutron Research Facility FRM-II
Physica **B311**(1-2) (2002) 148

C. Goeden and G. Dollinger:
Electron stimulated desorption of negative ions: a time of flight experiment
Rev. Sci. Instr. **73** (2002) 3058

C. Goeden and G. Dollinger:
Electron-stimulated hydrogen desorption from diamond surfaces and its influence on the low-pressure synthesis of diamond
Appl. Phys. Lett. **81** (2002) 5027

V. Greco, V. Baran, M. Colonna, M. Di Toro, T. Gaitanos, and H.H. Wolter:
Relativistic Effects in the Search for High Density Symmetry Energy
Phys. Lett. **B**, in press; nucl-th/0212102

H.W. Grießhammer and T.R. Hemmert:
Dispersion Effects in Nucleon Polarisabilities
Phys. Rev. **C65** (2002) 045207

F. Grüner, M. Schubert, W. Assmann, F. Bell, S. Karamian, and J. U. Andersen:
Transition from Transverse Cooling to Heating
Nucl. Instr. Meth. **B193** (2002) 83

E. Gutsmiedl and A. Scheuer:
Use of Zircaloy 4 Material for the Pressure Vessels of Hot and Cold Neutron Sources and Beam Tubes for Research Reactors
Physica **B311**(1-2) (2002) 182

D. Habs, G. Pretzler, U. Schramm, and T. Schätz:
Interaction of Intense Laser Pulses with Particle Beams
AIP Conf. Proc. **CP611** (2002) 437

C. Hanhart and N. Kaiser:
Complete Next-to-leading Order Calculation for Pion Production in Nucleon-Nucleon Collisions at Threshold
Phys. Rev. **C66** (2002) 054005

F.J. Hartmann, R. Schmidt, B. Ketzer, T. v.Egidy, S. Wycech, R. Smolanczuk, T. Czosnyka, J. Jastrzebski, M. Kisielinski, P. Lubinski, P. Napiorkowski, L. Pienkowski, A. Trzcinska, B. Klos, K. Gulda, W. Kurcewicz, and E. Widmann:
Nucleon Density in the Nuclear Periphery Determined with Antiprotonic X-rays: Calcium Isotopes
Phys. Rev. **C65**(1) (2002) 014306/1

M.J.F. Healy, A.J. Pidduck, G. Dollinger, L. Görgens, and A. Bergmaier :
Ion Beam Analysis of Aluminium in Thin Layers
Nucl. Instr. Meth. **B 190** (2002) 630

B. Heisinger, D. Lal, A.J.T. Jull, P.W. Kubik, S. Ivy-Ochs, S. Neumaier, K. Knie, V. Lazarev, and E. Nolte:
Production of Selected Cosmogenic Radionuclides by Muons: 1. Fast Muons
Earth and Planetary Science Letters **200**(3-4) (2002) 345

B. Heisinger, D. Lal, A.J.T. Jull, P.W. Kubik, S. Ivy-Ochs, S. Neumaier, K. Knie, V. Lazarev, and E. Nolte:
Production of Selected Cosmogenic Radionuclides by Muons: 2. Capture of Negative Muons
Earth and Planetary Science Letters **200**(3-4) (2002) 357

T.R. Hemmert and W. Weise:
Chiral Magnetism of the Nucleon
Eur. Phys. J. **A15** (2002) 487

R.A. Ionescu, H.H. Wolter, and R. Fauser:
Equal-time Hierarchies for Transport Descriptions of Fermionic Fields
submitted to Nucl. Phys.; nucl-th/0009022

G. Jakob, N. Benczer-Koller, G. Kumbartzki, J. Holden, T.J. Mertzimekis, K.-H. Speidel, R. Ernst, A.E. Stuchbery, A. Pakou, P. Maier-Komor, A. Macchiavelli, M. MacMahan, L. Phair, and I.Y. Lee:
Evidence for Proton Excitations in ^{130,132,134,136}Xe Isotopes from Measurements of g Factors of 2^+ and 4^+ States
Phys. Rev. **C65** (2002) 024316

R. Janssen, M. Schmidt, T. Graf, L. Görgens, C. Hammerl, S. Schreiber, A. Janotta , G. Dollinger, A. Bergmaier, B. Stritzker, and M. Stutzmann:
Dependence of the doping efficiency on material composition in n-type a-SiOx:H
J. Non-Crystal. Solids **299 - 302** (2002) 579

P. Jesinger, A. Kötzle, F. Gönnenwein, M. Mutterer, J. v.Kalben, G.V. Danilyan, V.S. Pavlov, G. Petrov, A.M. Gagarski, W.H. Trzaska, S.M. Soloviev, V. Nesvizhevsky, and O. Zimmer:
Angular Correlations in Ternary Fission Induced by Polarized Neutrons
Yadernaya Fizika **65**(4) (2002) 630

J. Jochum *et al.*:
Neutron Scattering Facility for the Calibration of the Response to Nuclear Recoils
AIP Conference Proceedings **605** (2002) 525

N. Kaiser:
Chiral 2π-Exchange NN-Potentials: Relativistic $1/M^2$-Corrections
Phys. Rev. **C65** (2002) 017001

N. Kaiser:
Chiral Corrections to the Isovector Double Scattering Term for the Pion-deuteron Scattering Length
Phys. Rev. **C65** (2002) 057001

N. Kaiser:
Nuclear Spin-Orbit Interaction from Chiral Pion Nucleon Dynamics
Nucl. Phys. **A709** (2002) 251

N. Kaiser, S. Fritsch, and W. Weise:
Chiral Dynamics and Nuclear Matter
Nucl. Phys. **A697** (2002) 255

N. Kaiser, S. Fritsch, and W. Weise:
Nuclear Mean Field from Chiral Pion Nucleon Dynamics
Nucl. Phys. **A700** (2002) 354

S. Karamian, F. Grüner, W. Assmann, W. Günther, V.A. Ponomarenko, B. Schmidt, and S.P. Tretyakova:
Random Flux Redistribution Observed for α Particles through Si, Ni and Pt Crystals
Nucl. Instr. Meth. **B193** (2002) 144

O. Kenn, K.-H. Speidel, R. Ernst, S. Schielke, S. Wagner, J. Gerber, P. Maier-Komor, and F. Nowacki:
Measurements of g Factors and Lifetimes of Low-lying States in $^{62-70}$Zn and their Shell Model Implication
Phys. Rev. **C65** (2002) 034308

O. Kester, D. Habs, M. Groß, H.J. Maier, P.G. Thirolf, T. Sieber, T. Faestermann, T. v.Egidy, and U. Köster:
RNB Production with Thermal Neutrons
Nucl. Phys. **A701** (2002) 71

B. Ketzer:
Micropattern Gaseous Detectors in the COMPASS Tracker
Nucl. Instr. Meth. **A494** (2002)

B. Ketzer, M.C. Altunbas, K. Dehmelt, J. Ehlers, J. Friedrich, B. Grube, S. Kappler, I. Konorov, S. Paul, A. Placci, L. Ropelewski, F. Sauli, L. Schmitt, and F. Simon:
Triple GEM tracking Detectors for COMPASS
IEEE Transactions on Nuclear Science **49** (2002)

T. Kirsten for the GNO Collaboration:
Progress in GNO
Nucl. Phys. Proc. Suppl., accepted for publication

M. Kohl, P. Bartsch, D. Baumann, J. Bermuth, R. Bohm, K. Bohinc, S. Derber, M. Ding, M. Distler, I. Ewald, J. Friedrich, J.M. Friedrich, P. Jennewein, M. Kahrau, S.S. Kamalov, A. Kozlov, K.W. Krygier, M. Kuss, A. Liesenfeld, H. Merkel, P. Merle, U. Müller, R. Neuhausen, T. Pospischil, M. Potokar, C. Rangacharyulu, A. Richter, D. Rohe, G. Rosner, H. Schmieden, G. Schrieder, M. Seimetz, S. Sirca, T. Suda, L. Tiator, M. Urban, A. Wagner, Th. Walcher, J. Wambach, M. Weis, and A. Wirzba:
Self Energies of the Pion and the Delta Isobar from the ^{3}He(e,e' π^+)^{3}H Reaction
Phys. Lett. **B530**(1-4) (2002) 67

V. S. Kolhinen, T. Eronen, J. Hakala, A. Jokinen, S. Kopecky, S. Rinta-Antila , J. Szerypo, and J. Äystö:
Penning Trap for Isobaric Mass Separation at IGISOL
Nucl. Instr. Meth. B, submitted

Yu. Kopatch, M. Mutterer, D. Schwalm, P.G. Thirolf, and F. Gönnenwein:
^{5}He, ^{7}He and ^{8}Li (E* = 2.26 MeV) Intermediate Ternary Particles in the Spontaneous Fission of ^{252}Cf
Phys. Rev. **C65** (2002) 044614

O. Kortner and F. Rauscher:
Automatic Synchronization of Drift-Time Spectra and Maximum Drift-Time Measurement of an MDT
ATL-COM-MUON (2002) 006

O. Kortner and M. Deile:
Shower Production by Highly Energetic Muons
ATL-COM-MUON (2002) 024, ATL-COM-PHYS (2002) 04

F. Krüger and D. Melikhov:
Gauge Invariance and Form Factors for the Decay $B \to \gamma\ell^+\ell^-$
hep-ph/0208256

G. Kubon, H. Anklin, P. Bartsch, D. Baumann, W.U. Boeglin, K. Bohinc, R. Bohm, M. Distler, I. Ewald, J. Friedrich, J.M. Friedrich, M. Hauger, A. Honegger, P. Jennewein, J. Jourdan, M. Kahrau, K.W. Krygier, A. Liesenfeld, H. Merkel, U. Müller, R. Neuhausen, Ch. Normand, Th. Petitjean, T. Pospischil, M. Potokar, D. Rohe, G. Rosner, H. Schmieden, I. Sick, S. Sirca, Ph. Trueb, A. Wagner, Th. Walcher, G.A. Warren, M. Weis, H. Wohrle, M. Zeier, J. Zhao, and B. Zihmann:
Precise Neutron Magnetic Form Factors
Phys. Lett. **B524**(1-2) (2002) 26

T. Lachenmaier *et al.*:
Development of Cryogenic Detectors for GNO
AIP Conference Proceedings **605** (2002) 465

J.-C. Lanfranchi *et al.*:
Development of Highly Efficient Cryogenic Detectors for GNO
Nucl. Phys. Proc. Suppl., accepted for publication

J. Leske, K.-H. Speidel, O. Kenn, S. Schielke, G. Müller, J. Gerber, N. Benczer-Koller, G. Kumbartzki, and P. Maier-Komor:
New Measurements of the g Factor of the ^{20}Ne(4_1^+) State with fs Lifetime
Phys. Lett. **B551** (2002) 249

T.X. Liu, X.D. Liu, W.G. Lynch, R. Shomin, W.P. Tan, M.B. Tsang, M.J. van Goethem, G. Verde, A. Wagner, H.F. Xi, H.S. Xu, C.K. Gelbke, H.H. Wolter, M. Colonna, M. Di Toro, M. Pfabe, L. Beaulieu, B. Davin, Y. Larochelle, T. Lefort, R.T. de Souza, R. Yanez, and V.E. Viola, R.J. Charity, and L.G. Sobotka:
Isotope Yields from Central $^{112,124}Sn +^{112,124} Sn$ Collisions, Dynamical Emission?
submitted to Phys. Rev. **C**; nucl-ex/0210004

P. Ma, G.F. Herzog, L. Schultz, H.W. Weber, K. Knie, T. Faestermann, and G. Korschinek:
Cosmogenic Radionuclides and Light Noble Gases in EET 96026
Meteoritics and Planetary Science **37(7)** (2002) A91

E.M. Maev, V.A. Andreev, T.A. Case, K.M. Crowe, P.U. Dick, A. Dijksman, J. Egger, A.A. Fetisov, V.A. Ganzha, W.D. Herold, F.J. Hartmann, P. Kammel, A.G. Krivshich, O.E. Maev, C. Petitjean, G. Petrov, R. Prieels, S.M. Sadetsky, G.N. Schapkin, R. Schmidt, G.G. Semenchuk, M. Soroka, A.A. Vorobyov, and N.I. Voropaev:
Study of High-pressure Hydrogen-operated Wire Chambers Designed for a Precision Measurement of the Singlet μ_p Capture Rate
Nucl. Instr. Meth. **A478**(1-2) (2002) 158

H.J. Maier, D. Habs, M. Groß, R. Großmann, O. Kester, and P.G. Thirolf:
Target Development for the Munich Fission Fragment Accelerator

P. Maier-Komor, J. Friese, R. Gernhäuser, and A. Ulrich:
VUV Reflective Coatings on Thin Concave Float Glass Substrates with a Perimeter of 86 cm to be Used as Provisonal HADES RICH Mirrors
Nucl. Instr. Meth. **A480** (2002) 65

P. Maier-Komor and K.-H. Speidel:
Sandwich Targets of 0.5 mg/cm^2 C with 4 mg/cm^2 Ferromagnetic Gd on 3 mg/cm^2 Ta Support with 3.5 mg/cm^2 Cu Backing
Nucl. Instr. Meth. **A480** (2002) 71

P. Maier-Komor, I. Altarev, A. Bergmaier, G. Dollinger, S. Paul, and W. Schott:
Development of Antireflection Coatings with a ^{6}LiF/^{62}Ni Multilayer Converter for Ultracold Neutron Detectors
Nucl. Instr. Meth. **A480** (2002) 104

P. Maier-Komor, I. Altarev, A. Bergmaier, G. Dollinger, S. Paul, G. Petzoldt, and W. Schott:
An Ultracold Neutron (UCN) Detector with Ti/^{6}LiF Multi-layer Converter and ^{58}Ni Reflector
Nucl. Instr. Meth. **A480** (2002) 109

P. Maier-Komor, I. Altarev, A. Bergmaier, G. Dollinger, S. Paul, G. Petzoldt, and W. Schott:
An Ultracold Neutron (UCN) Detector with Ti/^{6}LiF Multi-layer Converter and ^{58}Ni Reflector
Nucl. Instr. Meth. **A480**(1) (2002) 109

E. Marco, R. Hofmann, and W. Weise:
Note on Finite Temperature Sum Rules for Vector and Axial-vector Correlation Functions
Phys. Lett. **B530** (2002) 88

I. Mattson, G. Alkhazov, A.G. Atamantchouk, M.Y. Balatz, N.F. Bondar, P.S. Cooper, L.J. Dauwe, G.V. Davidenko, U. Dersch, A.G. Dolgolenko, G.B. Dzyubenko, R. Edelstein, L. Emediato, A.M.F. Endler, J. Engelfried, I. Eschrich, C.O. Escobar, A.V. Evdokimov, I.S. Filimonov, F.G. Garcia, M. Gaspero, I. Giller, V.L. Golovtsov, P. Gouffon, E. Gulmez, He Kangling, M. Iori, S.Y. Jun, M. Kaya, J. Kilmer, V.T. Kim, L.M. Kochenda, I. Konorov, A.P. Kozhevnikov, A.G. Krivshich, H. Kruger, M.A. Kubantsev, V.P. Kubarovsky, A.I. Kulyavtsev, N.P. Kuropatkin, V.F. Kurshetsov, A. Kushnirenko, S. Kwan, J. Lach, A. Lamberto, L.G. Landsberg, I. Larin, E.M. Leikin, Li Yunshan, M. Luksys, T. Lungov, V.P. Maleev, D. Mao, Mao Chensheng, Mao Zhenlin, P. Mathew, V. Matveev, E. McCliment, M.A. Moinester, V.V. Molchanov, A. Morelos, K.D. Nelson, A.V. Nemitkin, P.V. Neoustroev, C. Newsom, A.P. Nilov, S.B. Nurushev, A. Ocherashvili, E. Oliveira, Y. Onel, E. Ozel, S. Ozkorucuklu, A. Penzo, S.V. Petrenko, P. Pogodin, M. Procario, V.A. Prutskoi, E. Ramberg, G.F. Rappazzo, B.V. Razmyslovich, V.I. Rud, J. Russ, P. Schiavon, J. Simon, A.I. Sitnikov, D. Skow, V.J. Smith, M. Srivastava, V. Steiner, V. Stepanov, L. Stutte, M. Svoiski, N.K. Terentyev, G.P. Thomas, L.N. Uvarov, A.N. Vasiliev, D.V. Vavilov, V.S. Verebryusov, V.A. Victorov, V.E. Vishnyakov, A.A. Vorobyov, K. Vorwalter, J. You, Zhao Wenheng, Zheng Shuchen, and R. Zukanovich-Funchal:
First Observation of the Doubly Charmed Baryon Xi$_{cc}^{+}$
Phys. Rev. Lett. **89** (2002) 112001

E. Mergel, C.M. Petrache, G. Lo Bianco, H. Hübel, J. Domscheit, D. Roßbach, G. Schönwaßer, N. Nenoff, A. Görgen, W. Korten, F. Becker, M. Houry, A. Hürstel, Y. Le Coz, R. Lucas, Ch. Theisen, A. Bracco, N. Blasi, F. Camera, S. Leoni, F. Hannachi, A. Lopez-Martens, M. Rejmund, D. Gassmann, P. Reiter, P.G. Thirolf, A. Astier, N. Buforn, M. Meyer, N. Redon, and O. Stezowski:
Candidates for Chiral Doublet Bands in ^{136}Nd
Eur. Phys. Jour. **A15** (2002) 417

H. Merkel, P. Bartsch, D. Baumann, J. Bermuth, A.M. Bernstein, K. Bohinc, R. Bohm, N. Clawiter, S. Derber, M. Ding, M. Distler, I. Ewald, J.M. Friedrich, J. Friedrich, P. Jennewein, M. Kahrau, M. Kohl, K.W. Krygier, M. Kuss, A. Liesenfeld, P. Merle, R.A. Miskimen, U. Müller, R. Neuhausen, M.M. Pavan, T. Pospischil, M. Potokar, G. Rosner, H. Schmieden, M. Seimetz, S. Sirca, A. Wagner, Th. Walcher, and M. Weis:
Neutral Pion Threshold Production at $\mathbf{Q}^2 = 0.05$ $\mathbf{GeV}^2/\mathbf{c}^2$ and Chiral Perturbation Theory
Phys. Rev. Lett. **88** (2002) 012301

F. Meyer-Wildhagen:
$\rho\pi$ States in Antiproton-neutron Annihilation into $\pi^-3\pi^0$
AIP **619** (2002) 787

F. Mühlberger, J. Wieser, A. Ulrich, and R. Zimmermann:
Single Photon Ionization (SPI) via Incoherent VUV-Excimer Light: Robust and Compact Time-of-Flight Mass Spectrometer for On-Line, Real-Time Process Gas Analysis
Analytical Chemistry **74** (2002) 3790

T.O. Niinikoski, M.C. Abreu, W.H. Bell, P. Berglund, W. de Boer, E. Borchi, K. Borer, M. Bruzzi, S. Buontempo, L. Casagrande, S. Chapuy, V. Cindro, P. Collins, N. D'Ambrosio, C. Da Via, S. Devine, B. Dezillie, Z. Dimcovski, V. Eremin, A. Esposito, V. Granata, E. Grigoriev, S. Grohmann, F. Hauler, E. Heijne, S. Heising, S. Janos, L. Jungermann, I. Konorov, Z. Li, C. Lourenco, M. Mikuz, V. O'Shea, S. Pagano, V.G. Palmieri, S. Paul, S. Pirollo, K. Pretzl, P. Rato Mendes, G. Ruggiero, K. Smith, P. Sonderegger, P. Sousa, E. Verbitskaya, S. Watts, and M. Zavrtanik:
Radiation Hardness of Cryogenic Silicon Detectors
Nucl. Instr. Meth. **A476**(3) (2002) 569

A. Ocherashvili, G. Alkhazov, A.G. Atamantchouk, M.Y. Balatz, N.F. Bondar, P.S. Cooper, L.J. Dauwe, G.V. Davidenko, U. Dersch, A.G. Dolgolenko, G.B. Dzyubenko, R. Edelstein, L. Emediato, A.M.F. Endler, J. Engelfried, I. Eschrich, C.O. Escobar, A.V. Evdokimov, I.S. Filimonov, F.G. Garcia, M. Gaspero, I. Giller, V.L. Golovtsov, P. Gouffon, E. Gulmez, He Kangling, M. Iori, S.Y. Jun, M. Kaya, J. Kilmer, V.T. Kim, L.M. Kochenda, I. Konorov, A.P. Kozhevnikov, A.G. Krivshich, H. Kruger, M.A. Kubantsev, V.P. Kubarovsky, A.I. Kulyavtsev, N.P. Kuropatkin, V.F. Kurshetsov, A. Kushnirenko, S. Kwan, J. Lach, A. Lamberto, L.G. Landsberg, I. Larin, E.M. Leikin, L. Yunshan, M. Luksys, T. Lungov, V.P. Maleev, D. Mao, Mao Chensheng, Mao Zhenlin, P. Mathew, M. Mattson, V. Matveev, E. McCliment, M.A. Moinester, V.V. Molchanov, A. Morelos, K.D. Nelson, A.V. Nemitkin, P.V. Neoustroev, C. Newsom, A.P. Nilov, S.B. Nurushev, A. Ocherashvili, Y. Onel, E. Ozel, S. Ozkorucuklu, A. Penzo, S.V. Petrenko, P. Pogodin, B. Pouh, M. Procario, V.A. Prutskoi, E. Ramberg, G.F. Rappazzo, B.V. Razmyslovich, V.I. Rud, J. Russ, P. Schiavon, J. Simon, A.I. Sitnikov, D. Skow, V.J. Smith, M. Srivastava, V. Steiner, V. Stepanov, L. Stutte, M. Svoiski, N.K. Terentyev, G.P. Thomas, L.N. Uvarov, A.N. Vasiliev, D.V. Vavilov, V.S. Verebryusov, V.A. Victorov, V.E. Vishnyakov, A.A. Vorobyov, K. Vorwalter, J. You, Zhao Wenheng, Zheng Shuchen, and R. Zukanovich-Funchal:
First Measurement of π^{-e} to π^{-e} Gamma Pion Virtual Compton Scattering
Phys. Rev. **C66** (2002) 034613

The OPAL Collaboration:
Search for Doubly Charged Higgs Bosons with the OPAL Detector at LEP
Phys. Lett. **B256** (2002) 221-232

The OPAL Collaboration:
Di-Jet Production in Photon-Photon Collisions at $\sqrt{s}$ from 189 to 209 GeV
CERN-EP (2002) 093

The OPAL Collaboration:
A Measurement of Semileptonic B Decays to Narrow Orbitally-Excited Charm Mesons
CERN-EP (2002) 094

The OPAL Collaboration:
A Combination of Preliminary Electroweak Measurements and Constraints on the Standard Model
CERN-EP (2002) 091

The OPAL Collaboration:
Charged Particle Multiplicities in Heavy and Light Quark Initiated Events above the Z^0 Peak
Phys. Lett. **B550** (2002) 33-46

The OPAL Collaboration:
Search for the Standard Model Higgs Boson with the OPAL Detector at LEP
CERN-EP (2002) 059

The OPAL Collaboration:
Search for Nearly Mass Degenerate Charginos and Neutralinos at LEP
CERN-EP (2002) 063

The OPAL Collaboration:
Search for a Low Mass CP-odd Higgs Boson in e^+e^- Collisions with the OPAL Detector at LEP2
CERN-EP (2002) 058

The OPAL Collaboration:
Measurement of the Cross-Section for the Process $\gamma\gamma \to p\overline{p}$ at $\sqrt{s}$=183–189 GeV at LEP
CERN-EP (2002) 056

The OPAL Collaboration:
Multi-Photon Production in e^+e^- Collisions at 181–209 GeV
Eur. Phys. J. **C26** (2003) 331-344

The OPAL Collaboration:
Charged Particle Momentum Spectra in e^+e^- Annihilation at $\sqrt{s}$=192–209 GeV
CERN-EP (2002) 057

The OPAL Collaboration:
Measurement of the b Quark Forward-backward Asymmetry around the Z^0 Peak Using an Inclusive Tag
CERN-EP (2002) 053

The OPAL Collaboration:
Search for Scalar Top and Scalar Bottom Quarks at LEP
Phys. Lett. **B545** (2002) 272-284

The OPAL Collaboration:
Inclusive Analysis of the b Quark Fragmentation Function in Z Decays at LEP
CERN-EP (2002) 051

The OPAL Collaboration:
Measurement of Neutral-Current Four-Fermion Production at LEP2
Phys. Lett. **B544** (2002) 259-273

The OPAL Collaboration:
Search for Associated Production of Massive States Decaying into Two Photons in e^+e^- Annihilation at $\sqrt{s}$=88–209 GeV
Phys. Lett. **B544** (2002) 44-56

The OPAL Collaboration:
Search for Charged Excited Leptons in e^+e^- Collisions at $\sqrt{s}$=183–209 GeV
Phys. Lett. **B544** (2002) 57-72

The OPAL Collaboration:
Decay-mode Independent Searches for New Scalar Bosons with the OPAL Detector at LEP
CERN-EP (2002) 032

The OPAL Collaboration:
Measurement of the Charm Structure Function $F_2{}^c$ of the Photon at LEP
Phys. Lett. **B539** (2002) 13-24

The OPAL Collaboration:
Measurement of the Mass of the W Boson in e^+e^- Collisions Using the Fully Leptonic Channel
Eur. Phys. J. **C26** (2003) 321-330

The OPAL Collaboration:
Measurement of the Hadronic Photon Structure Function F_2^γ at LEP2
Phys. Lett. **B533** (2002) 207-222

T. Pospischil, P. Bartsch, D. Baumann, R. Bohm, K. Bohinc, N. Clawiter, M. Ding, S. Derber, M. Distler, D. Elsner, I. Ewald, J. Friedrich, J.M. Friedrich, R. Geiges, S. Grozinger, M. Hamdorf, S. Hedicke, P. Jennewein, J. Jourdan, M. Kahrau, F. Klein, P. Konig, A. Kozlov, H. Kramer, K.W. Krygier, J. Lach, A. Liesenfeld, S. Malov, J. McIntyre, H. Merkel, P. Merle, U. Müller, R. Neuhausen, E.A.J.M. Offermann, M. Potokar, R.D. Ransome, A. Richter, G. Rosner, J. Sanner, H. Schmieden, M. Seimetz, I. Sick, O. Strahle, A. Sule, A. Wagner, Th. Walcher, G.A. Warren, M. Weis, and X.-Q. Wu:
The Horizontal Drift Chambers for the Focal Plane Proton-polarimeter of the 3-Spectrometer Setup at MAMI
Nucl. Instr. Meth. **A483** (2002) 726

T. Pospischil, P. Bartsch, D. Baumann, R. Bohm, K. Bohinc, N. Clawiter, M. Ding, S. Derber, M. Distler, D. Elsner, I. Ewald, J. Friedrich, J.M. Friedrich, R. Geiges, S. Grozinger, M. Hamdorf, S. Hedicke, P. Jennewein, J. Jourdan, M. Kahrau, F. Klein, P. Konig, A. Kozlov, H. Kramer, K.W. Krygier, J. Lach, A. Liesenfeld, S. Malov, J. McIntyre, H. Merkel, P. Merle, U. Müller, R. Neuhausen, E.A.J.M. Offermann, M. Potokar, R.D. Ransome, A. Richter, G. Rosner, J. Sanner, H. Schmieden, M. Seimetz, I. Sick, O. Strahle, A. Sule, A. Wagner, Th. Walcher, G.A. Warren, M. Weis, and X.-Q. Wu:
The Focal Plane Proton-polarimeter for the 3-Spectrometer Setup at MAMI
Nucl. Instr. Meth. **A483** (2002) 713

P. Reichart, G. Dollinger, G. Datzmann, A. Hauptner, H.-J. Körner, and O. Schmelmer:
Sensitive 3D Hydrogen Microscopy by Proton-proton Scattering
Nucl. Instr. Meth. **B197** (2002) 134

T. Renk, R.A. Schneider, and W. Weise:
Hadronic and Quark-gluon Excitations in Dense and Hot Matter
Nucl. Phys. **A699** (2002) 1

T. Renk, R.A. Schneider, and W. Weise:
Phases of QCD, Thermal Quasiparticles and Dilepton Radiation from a Fireball
Phys. Rev. **C66** (2002) 014902

D. Roßbach, A. Görgen, H. Hübel, E. Mergel, G. Schönwaßer, F. Azaiez, C. Bourgeois, F. Hannachi, A. Korichi, A. Lopez-Martens, A. Astier, N. Buforn, N. Redon, O. Stezowski, D. Bazzacco, Th. Kröll, C. Rossi-Alvarez, K. Hauschild, W. Korten, R. Lucas, H.J. Maier, P. Reiter, P.G. Thirolf, and A.N. Wilson:
Lifetimes in the Yrast and an Octupole-vibrational Superdeformed Band in ^{196}Pb
Phys. Rev. **C66** (2002) 024316

G. Ruggiero, M.C. Abreu, W.H. Bell, P. Berglund, W. de Boer, K. Borer, S. Buontempo, L. Casagrande, S. Chapuy, V. Cindro, P. Collins, N. D'Ambrosio, C. Da Via, S. Devine, B. Dezillie, Z. Dimcovski, V. Eremin, A. Esposito, V. Granata, E. Grigoriev, S. Grohmann, F. Hauler, E. Heijne, S. Heising, S. Janos, L. Jungermann, I. Konorov, Z. Li, C. Lourenco, M. Mikuz, T.O. Niinikoski, V. O'Shea, S. Pagano, V.G. Palmieri, S. Paul, K. Pretzl, P. Rato Mendes, K. Smith, P. Sonderegger, P. Sousa, E. Verbitskaya, S. Watts, and M. Zavrtanik:
Silicon Detectors Irradiated In-situ at Cryogenic Temperatures
Nucl. Instr. Meth. **A476**(3) (2002) 583

C. Rummel and J. Ankerhold:
The Partition Function of an Interacting Many Body System: Beyond the Perturbed Static Path Approximation (PSPA)
Eur. Phys. **B29** (2002) 105

T. Schätz, U. Schramm, and D. Habs:
Crystalline Ion Beams in PALLAS
World Scientific (2002) 74

J. Schalwig, G. Müller, U. Karrer, M. Eickhoff, O. Ambacher, M. Stutzmann, L. Görgens, and G. Dollinger:
Hydrogen Response Mechanism of Pt-GaN Schottky Diodes
Appl. Phys. Lett. **80** (2002) 1222

R.A. Schneider:
Debye Screening at Finite Temperature, Revisited
Phys. Rev. **D66** (2002) 036003

R.A. Schneider, T. Renk, and W. Weise:
Model for Dilepton Rates from a Fireball
Nucl. Phys. **A698** (2002) 428

U. Schramm, T. Schätz, M. Bussmann, and D. Habs:
The Quest for Crystalline Ion Beams
Plasma Physics and Controlled Fusion **44** (2002) B375

U. Schramm, T. Schätz, and D. Habs:
Three-dimensional Crystalline Ion Beams
Phys. Rev. **E66** (2002) 036501

U. Schramm, T. Schätz, and D. Habs:
Crystalline Ion Beams in the RF Quadrupole Storage Ring PALLAS
AIP Conf. Proc. **606** (2002) 235

G. Seewald, E. Zech, and H.-J. Körner:
Electric Quadrupolar Contribution to the Nuclear Spin-Lattice Relaxation of Ir in Fe
Phys. Rev. Lett. **88** (2002) 057601

G. Seewald, E. Hagn, and E. Zech:
Spin-orbit Induced Noncubic Charge Distribution in Cubic Ferromagnets: 1. Electric Field Gradient Measurements on 5d Impurities in Fe and Ni
Phys. Rev. **B66** (2002) 174401

G. Seewald, E. Zech, and H. Haas:
Spin-orbit Induced Noncubic Charge Distribution in Cubic Ferromagnets: 2. Tight-binding Analysis
Phys. Rev. **B66** (2002) 174402

H. Geissel, H. Gilg, A. Gillitzer, R.S. Hayano, S. Hirenzaki, K. Itahashi, M. Iwasaki, P. Kienle, M. Münch, G. Münzenberg, W. Schott, K. Suzuki, D. Tomono, H. Weick, T. Yamazaki, T. Yoneyama, and (S160 Collaboration):
Deeply Bound 1s and 2p Pionic States in ^{205}Pb an Determination of the s-Wave Part of the Pion-nucleus Interaction
Phys. Rev. Lett. **88** (2002) 122301

H. Geissel, H. Gilg, A. Gillitzer, R.S. Hayano, S. Hirenzaki, K. Itahashi, M. Iwasaki, P. Kienle, M. Münch, G. Münzenberg, W. Schott, K. Suzuki, D. Tomono, H. Weick, T. Yamazaki, and T. Yoneyama:
Experimental Indication of a Reduced Chiral Order Parameter from the 1s π^- State in ^{205}Pb
Phys. Lett. **B549** (2002) 64

T. Sieber, O. Kester, D. Habs, S. Emhofer , and A. Schempp:
Design and Test of the Front Part of the REX-ISOLDE LINAC
Nucl. Phys. **A701** (2002) 656

A.K. Singh, N. Nenoff, D. Roßbach, A. Görgen, S. Chmel, F. Azaiez, A. Astier, D. Bazzacco, M. Belleguic, S. Bouneau, C. Bourgeois, N. Buforn, B. Cederwall, J. Domscheit, F. Hannachi, K. Hauschild, H. Hübel, A. Korichi, W. Korten, Th. Kröll, Y. Le Coz, A. Lopez-Martens, R. Lucas, S. Lunardi, H.J. Maier, E. Mergel, M. Meyer, C.M. Petrache, N. Redon, P. Reiter, C. Rossi-Alvarez, G. Schönwaßer, O. Stezowski, P.G. Thirolf, and A.N. Wilson:
Detailed Study of Magnetic Rotation in ^{196}Pb
Nucl. Phys. **A707** (2002) 3

A.K. Singh, H. Hübel, D. Roßbach, S. Chmel, A. Görgen, E. Mergel, G. Schönwaßer, F. Azaiez, C. Bourgeois, F. Hannachi, A. Korichi, A. Lopez-Martens, A. Astier, N. Buforn, N. Redon, O. Stezowski, D. Bazzacco, Th. Kröll, C. Rossi-Alvarez, K. Hauschild, W. Korten, R. Lucas, H.J. Maier, P. Reiter, P.G. Thirolf, and A.N. Wilson:
Lifetimes of Magnetic-Rotational Bands in ^{196}Pb
Phys. Rev. **C66** (2002) 064314

K.-H. Speidel, O. Kenn, and F. Nowacki:
Magnetic Moments and Nuclear Structure
Prog. Part. Nucl. Phys. **49** (2002) 91

C. Stan-Sion, L. Rohrer, F. Kubo, V. Lazarev, P. Hartung, E. Nolte, R. Behrisch, and J. Roth:
Upgrading of the Ultra-clean Injector for Depth Profiling at the Munich AMS Facility
Nucl. Instr. Meth. **B192** (2002) 331

M. Stark *et al.*:
Scintillation Light and Phonon Measurement Based on Ir/Au Thermometers
AIP Conference Proceedings **605** (2002) 493

A. Stolz, T. Faestermann, J. Friese, P. Kienle, H.-J. Körner, M. Münch, R. Schneider, E. Wefers, K. Zeitelhack, K. Sümmerer, H. Geissel, J. Gerl, G. Münzenberg, C. Schlegel, R.S. Simon, H. Weick, M. Hellström, M.N. Mineva, and P.G. Thirolf:
Projectile Fragmentation of ^{112}Sn at $\mathbf{E_{\mathrm{lab}} = 1}$ A GeV
Phys. Rev. **C65** (2002) 064603

R. Ströhmer:
Susy Searches at the Tevatron: Latest Run I Results, Prospects for Run II
Acta Phys. Polon. **B33** (2002) 3887

J. Szerypo, D. Habs, S. Heinz, J. Neumayr, P.G. Thirolf, A. Wilfart , and F. Voit:
MAFFTRAP: Ion Trap System for MAFF
submitted to Nucl. Instr. Meth. **B**

P.G. Thirolf and D. Habs:
Spectroscopy in the Second and Third Minimum of Actinide Nuclei
Prog. Part. Nucl. Phys. **49** (2002) 325

M. Toulemonde, W. Assmann, C. Trautmann, and F. Grüner:
Jetlike Component in Sputtering of LiF Induced by Swift Heavy Ions
Phys. Rev. Lett. **88**(5) (2002) 057602-1

S. Typel, O. Riedl, and H.H. Wolter:
Elastic Proton-nucleus Scattering and the Optical Potential in a Relativistic Mean Field Model
Nucl. Phys. **A709** (2002) 299

S. Typel, T. v. Chossy, and H.H. Wolter:
Relativistic Mean Field Model with Generalized Derivative Nucleon-Meson Couplings
Phys. Rev. **C**, in press; nucl-th/0210090

E. Verbitskaya, M.C. Abreu, V. Bartsch, W.H. Bell, P. Berglund, J. Bol, W. de Boer, K. Borer, S. Buontempo, L. Casagrande, S. Chapuy, V. Cindro, N. D'Ambrosio, C. Da Via, S. Devine, B. Dezillie, A. Dierlamn, Z. Dimcovski, V. Eremin, A. Esposito, V. Granata, E. Grigoriev, F. Hauler, S. Janos, L. Jungermann, I. Konorov, Z. Li, C. Lourenco, M. Mikuz, T.O. Niinikoski, V. O'Shea, S. Pagano, V.G. Palmieri, S. Paul, P. Rato Mendes, G. Ruggiero, L. Schmitt, K. Smith, P. Sousa, and M. Zavrtanik:
Optimization of Electric Field Distribution by Free Carrier Injection in Silicon Detectors Operated at Low Temperatures
IEEE Transactions on Nuclear Science **49**(1) (2002) 258

C. Villagrasa, A. Boudard, J.-C. David, L. Donadille, J.-E. Ducret , B. Fernandez, R. Legrain, S. Leray, C. Volant, W. Wlazlo, P. Armbruster , T. Enqvist, F. Hammache, B. Jurado, K. Helariutta, K.-H. Schmidt , K. Sümmerer, M.-V. Ricciardi, F. Vives, C.-O. Bacri, M. Bernas , B. Berthier, L. Ferran, L. Audouin, B. Mustapha , F. Rejmund, C. Stephan, J. Taieb, L. Tassan-Got, J. Benlliure , E. Casarejos, M. Fernandez, J. Pereira, S. Czajkowski, D. Karamanis , M. Pravikoff, J. George, R.A. Mewaldt, N. Yanasak, M. Wiedenbeck , J. Connel, T. Faestermann, A. Heinz, and A. Junghans:
Residual Nuclei Produced by Spallation Reactions
Journal de Physique IV **12(PR8)** (2002) 63

F. Wenander, J. Cederkäll, B.H. Wolf, L. Liljeby, B. Jonson , G. Nyman, F. Ames, O. Forstner, and O. Kester:
Commissioning Results from the REXEBIS Charge Breeder
Rev. Sci. Instr. **73** (2002) 682

V. Werner, D. Belic, P. v.Brentano, C. Fransen, A. Gade, H. v.Garrel, J. Jolie, U. Kneissl, C. Kohstall, A. Linnemann, A.F. Lisetsky, N. Pietralla, H.H. Pitz, M. Scheck, K.-H. Speidel, F. Stedile, and S.W. Yates:
Proton-neutron Structure of the $N = 52$ Nucleus ^{92}Zr
Phys. Lett. **B550** (2002) 140

O. Zimmer, G. Ehlers, B. Farago, H. Humblot, W. Ketter, and R. Scherm:
A Precise Measurement of the Spin-dependent Neutron Scattering Length of ^{3}He
Eur. Phys. J. **A1** (2002) 1