

PUBLICATIONS 2000

[Journals](#), [Proceedings & Reports](#), [Invited Talks](#), [Conference Contributions](#), [Posters](#),
[Patents & Applications for Patents](#), [Lectures at Universities](#)

Journals

IKP-00-11-001

Barsov, S., Bechstedt, U., Borchert, G., Borgs, W., Büscher, M., Debowski, M., Drochner, M., Erven, W., Eßer, R., Fedorets, P., Gotta, D., Hartmann, M., Junghans, H., Kacharava, A., Kamys, B., Klehr, F., Koch, H. R., Komarov, V. I., Koptev, V., Kulessa, P., Kulikov, A., Kurbatov, V., Macharashvili, G., Maier, R., Mikirtichants, S., Merzliakov, S., Müller, H., Mussgiller, A., Nioradze, M., Ohm, H., Petrus, A., Prasuhn, D., Pysz, K., Rathmann, F., Rimarzig, B., Rudy, Z., Schleichert, R., Schneider, Chr., Schneider, H., Schult, O. W. B., Seyfarth, H., Sistemich, K., Stein, H. J. and Ströher, H., Wüstner, P. for the ANKE collaboration

First results from subthreshold K^+ -production measurements with ANKE

Nucl. Phys. A675 (2000) 230c

20.45.0

IKP-00-11-002

Barsov, S., Bechstedt, U., Borchert, G., Borgs, W., Büscher, M., Debowski, M., Erven, W., Esser, R., Fedorets, P., Gotta, D., Hartmann, M., Junghans, H., Kacharava, A., Kamys, B., Klehr, F., Koch, H. R., Komarov, V. I., Koptev, V., Kulessa, P., Kulikov, A., Kurbatov, V., Macharashvili, G., Maier, R., Merzliakov, S., Mikirtytchants, S., Müller, H., Mussgiller, A., Nekipelov, M., Nioradze, M., Ohm, H., Petrus, A., Prasuhn, D., Pysz, K., Rathmann, F., Rimarzig, B., Rudy, Z., Schleichert, R., Schneider, Ch., Schneider, H., Schult, O. W. B., Seyfarth, H., Sistemich, K., Stein, H. J., Ströher, H. and Zychor, I.

Measurement of Subthreshold K^+ Production in pA Collisions with ANKE

Acta Phys. Pol. B, Vol. 31, 10 - 11 (2000) 2159

20.45.0

IKP-00-11-003

Barnes T.

Exotic Mesons, Theory and Experiment

Proc. of the Workshop "MESON2000", Krakow, Poland, 18.-23.5.2000,

Acta Phys. Pol. Vol. 31 (2000) 2545-2556

20.80.0

IKP-00-11-004

Baru V., Kudryavtsev A., Tarasov V., Briscoe W., Dhuga K., Strakovsky I.

Charge Symmetry Violation Effects in Pion Scattering off Light Nuclei

Phys. Rev. C62 (2000) 0440033

20.80.0

IKP-00-11-005

Baru V., Gasparian A.M., Haidenbauer J., Kudryavtsev A.E., Speth J.

FSI Effects in Meson Production in NN Collisions

Proc. of the Conference "MESON 2000", Krakow, Poland, 18.-23.5.2000

Acta Phys. Pol. B, Vol. 31 (2000) 2127-2131

20.80.0

IKP-00-11-006

Baur G.

Influence of Damping on the Excitation of the Double Giant Resonance

IKP-00-11-007

Benhar O., Nikolaev N.N., Speth J., Usmani A.A.; Zakharov B.G.

Final State Interactions in ${}^4\text{He}(\text{e},\text{e}'\text{p}){}^3\text{H}$ at Large Proton Energy

Nucl. Phys. A673 (2000) 241

IKP-00-11-008

Betigeri M., Bojowald J., Budzanowski A., Chatterjee A., Drochner M., Ernst J., Förtisch S., Freindl L., Frekers D., Garske W., Grewer K., Hamacher A., Igel S., Ilieva J., Jahn R., Jarczyk L., Kemmerling G., Kilian K., Kliczewski S., Klimala W., Kolev D., Kutsarova T., Lieb J., Lippert G., Machner H., Magiera A., Nann H., Pentchev L., Plendl H.S., Protic D., Razen B., von Rossen P., Roy B.R., Siudak R., Smyrski J., Strzalkowski A.A., Tsenov R., Zolnierczuk P.A., Zwoll K.

Measurement of $\text{p}+\text{d} \rightarrow {}^3\text{He}+\eta$ in the S_{11} Resonance

Phys. Lett. B427 (2000) 267

IKP-00-11-009

Betigeri M., Bojowald J., Budzanowski A., Chatterjee A., Drochner M., Ernst J., Förtisch S., Freindl L., Frekers D., Garske W., Grewer K., Hamacher A., Igel S., Ilieva J., Jahn R., Jarczyk L., Kemmerling G., Kilian K., Kliczewski S., Klimala W., Kolev D., Kutsarova T., Lieb J., Lippert G., Machner H., Magiera A., Nann H., Pentchev L., Plendl H.S., Protic D., Razen B., von Rossen P., Roy B.R., Siudak R., Smyrski J., Strzalkowski A.A., Tsenov R., Zolnierczuk P.A., Zwoll K.

Test of Charge Independence in $\text{p}+\text{d} \rightarrow (\text{A}=3)+\text{Pion}$ Reactions

Proc. of the "PANIC99" Conference, Uppsala, Sweden

Nucl. Phys. A663 & A664 (2000) 963c

IKP-00-11-010

Bernard V., Krebs H., Meißner Ulf-G.

Neutral Pion Electroproduction off Deuterium

Phys. Rev. C61 (2000) 058201

IKP-00-11-011

Bernard V., Kaiser N., Meißner Ulf-G.

The Pion Charge Radius from Charged Pion Electroproduction

Phys. Rev. C62 (2000) 028201

IKP-00-11-012

Bilger R., Blom M., Bogoslawsky D., Bondar A., Brodowski W., Brodowski W., Calen H., Chuvilo I., Clement H., Dunin V., Dyring J., Ekström C., Fransson K., Friden C.-J., Gustafsson L., Häggström S., Höistad B., Jacewicz M., Johanson J., Johansson A., Johansson T., Khoukaz A., Kilian K., Kimura N., Koch I., Kolachev G., Komogorov M., Kullander S., Kupsc A., Kurdadze L., Kuzmin A., Kuznetsov A., Marciniewski P., Martemyanov A., Martemyanov B., Morosov B., Mörtsell A., Nawrot A., Oelert W., Oreshkin S., Petrukhov Y., Povtorejko A., Przestrzelska K., Pätzold J., Reistad D., Ruber R.J.M.Y., Sandukovsky V., Schuberth U., Sefzick T., Sidorov V., Schwartz B., Sopov V., Stepaniak J., Sukhanov A., Sundberg P., Tchernychev V., Tikhomirov V., Turowiecki A., Wagner G., Wilhelm Z., Yamamoto A., Yamaoka H., Zabierowski J., Zernov A., Złomanczuk J.

The CELSIUS/WASA Facility

Acta Phys. Pol. B, Vol. 31 (2000) 77

IKP-00-11-013

Bilger R., Blom M., Bogoslawsky D., Bondar A., Brodowski W., Calen H., Chuvilo I., Clement H., Dunin V., Dyring J., Ekström C., Fransson K., Friden C.-J., Gustafsson L., Häggström S., Höistad B., Jacewicz M., Johanson J., Johansson A., Johansson T., Khoukaz A., Kilian K., Kimura N., Koch I., Kolachev G., Komogorov M., Kullander S., Kupsc A., Kurdadze L., Kuzmin A., Kuznetsov A., Marciniewski P., Martemyanov A., Martemyanov B., Morosov B., Mörtzell A., Nawrot A., Oelert W., Oreshkin S., Petrukhov Y., Povtorejko A., Przestrzelska K., Pätzold J., Reistad D., Ruber R.J.M.Y., Sandukovsky V., Schuberth U., Sefzick T., Sidorov V., Schwartz B., Sopov V., Stepaniak J., Sukhanov A., Sundberg P., Tchernychev V., Tikhomirov V., Turowiecki A., Wagner G., Wilhelmi Z., Yamamoto A., Yamaoka H., Zabierowski J., Zernov A., Zlomanczuk J.

The WASA Detector at CELSIUS

Proceedings of the 15th International Conference on Particles and Nuclei, PANIC'99, Uppsala, Sweden, 10.-16.6.1999

Nucl. Phys. A, Vol. 663-664 (1-4) (2000) pp. 1073-1076

20.50.0

IKP-00-11-014

Bräutigam, W.; Felden, O.; Maier, R.; Martin, S.; Schnase, A.; Schug, G.; Stassen, R.; Zaplatin, E.

Design considerations for the linac system of the ESS

Nuclear Instruments & Methods in Physics Research B 161-163 (2000) 1148-1153

20.91.0

IKP-00-11-015

Büttiker P., Meißner Ulf-G.

Pion-Nucleon-Scattering inside the Mandelstam Triangle

Nucl. Phys. A668 (2000) 97

20.80.0

IKP-00-11-016

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of Inclusive Prompt Photon Photoproduction at HERA

Phys.Lett.B472 (2000) 175-188

20.48.0

IKP-00-11-017

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of the $\frac{\pi^2}{\eta_{jet}/Q^2}$ Dependence of Forward-Jet Production at HERA

Phys.Lett.B474 (2000) 223-233

20.48.0

IKP-00-11-018

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

The Q^2 Dependence of Dijet Cross Sections in γp Interactions at HERA

Phys.Lett.B479 (2000) 37-52

20.48.0

IKP-00-11-019

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of Azimuthal Asymmetries in Deep Inelastic Scattering

Phys.Lett.B481 (2000) 199-212

20.48.0

IKP-00-11-020

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of Inclusive D^\pm Photoproduction at HERA

Phys.Lett.B481 (2000) 213-227

20.48.0

IKP-00-11-021

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of the Proton Structure Function F_2 at Very Low Q^2 at HERA

Phys.Lett.B487 (2000) 53-73

20.48.0

IKP-00-11-022

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of exclusive ω electroproduction at HERA

Phys.Lett.B487 (2000) 273-288

20.48.0

IKP-00-11-023

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Angular and Current-Target Correlations in Deep Inelastic Scattering at HERA

Eur.Phys. J. C12 (2000) 53-68

20.48.0

IKP-00-11-024

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of $D^{*\pm}$ Production and the Charm Contribution to F_2 in Deep Inelastic Scattering at HERA

Eur.Phys. J. C12 (2000) 35-52

20.48.0

IKP-00-11-025

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of the Spin-Density Matrix Elements in Exclusive Electroproduction of p^0 Mesons at HERA

Eur.Phys. J. C12 (2000) 393-410

20.48.0

IKP-00-11-026

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of Diffractive Photoproduction of Vector Mesons at Large Momentum Transfer at HERA

Eur.Phys. J. C14 (2000) 213-238

20.48.0

IKP-00-11-027

Drozd S., Grümm F., Gorski A., Ruf F., Speth J.,

Dynamics of Competition between Collectivity and Noise in the Stock Market

Physica A287 (2000) 440

20.80.0

IKP-00-11-028

Egidy, v.T.; Figuera, P.; Galin, J.; Goldenbaum, F.; Golubeva, Ye.S.; Hasinoff, M.; Hilscher, D.; Ilijinov, A.S.; Jahnke, U.; Krause, M.; Kurcewicz, Ledoux, X.; Lott, B.; Maier, L.; Manrique de Lara, M.; Pausch, G.; Pienkowski, L.; Quednau, B.; Rossner, H.; Schott, W.; Schröder, W.U.; Toke, J.:

Neutrons produced by 1.22 GeV antiproton interactions with nuclei

Eur. Phys. A 8 (2000) 197

20.48.0

IKP-00-11-029

Elster Ch., Fachruddin I., Glöckle W.

Nucleon-nucleon Scattering in a Three Dimensional Approach

Phys. Rev. C62 (2000) 044002-1

20.80.0

IKP-00-11-030

Epelbaum E., Glöckle W., Meißner Ulf-G.

**Nuclear Forces from Chiral Lagrangians using the Method of Unitary Transformation (II):
The Two-nucleon System**

Nucl. Phys. A671 (2000) 295

20.80.0

IKP-00-11-031

Fearing H.W., Hemmert T.R., Lewis R., Unkmeir C.

Radiative Pion Capture by a Nucleon

Phys. Rev. C62 (2000) 054006

20.80.

IKP-00-11-032

Fettes N., Meißner Ulf-G., Steininger S., Mojzis M.

The Chiral Effective Pion-Nucleon Lagrangian of order p^4

Annals of Physics (NY) 283 (2000) 273

20.80.0

IKP-00-11-033

Fettes N., Meißner Ulf-G.

Pion-Nucleon Scattering in Chiral Perturbation Theory II: Fourth Order Calculation

Nucl. Phys. A676 (2000) 311

20.80.0

IKP-00-11-034

Fettes N., Meißner Ulf-G.

Pion-nucleon Scattering in an Effective Chiral Field Theory with Explicit Spin-3/2 Fields

Nucl. Phys. A679 (2000) 399

20.80.0

IKP-00-11-035

Fettes N., Bernard V., Meißner Ulf-G.

One-loop Analysis of the Reaction $\pi N \rightarrow \pi\pi N$

Nucl. Phys. A671 (2000) 269

20.80.0

IKP-00-11-036

Filges, D; Neef, R.-D.; Schaal, H.:

**Nuclear Simulation and Radiation Physics Investigations of the Target Station of the
European Spallation Neutron Source (ESS)**

Nuclear Technology, American Nuclear Society, Vol 132, Nr. 1 (2000) 30-48

20.90.0

IKP-00-11-037

Filges, D.; Schaal, H.; Broome, T.:

Radiation Shielding and Protection of the European Spallation Neutron Source (ESS)

Journal of Nuclear Science and Technology, Supplement 1 (2000) 30-34

20.90.0

IKP-00-11-038

Gasparian A., Haidenbauer J., Hanhart C., Kondratyuk A.L., Speth J.

The Reactions $pp \rightarrow p\Lambda K^+$ and $pp \rightarrow p\Sigma^0 K^+$ near their Thresholds

Phys. Lett. B480, 273-279 (2000)

20.80.0

IKP-00-11-039

Gellas G.C., Hemmert T.R., Meißner Ulf-G.

Complete One-Loop Analysis of the Nucleon Spin Polarizabilities

Phys. Rev. Lett. 85 (2000) 14

20.80.0

IKP-00-11-040

Gilg H., Gillitzer A., Knüller M., Münch W., Schott W., Kienle P., Itahashi K., Oyama K., Hayano R.S., Geissel H., Iwasa N., Münzenberg G., Yamzaki T.

Deeply Bound π^- States in ^{207}Pb Formed in the $^{208}\text{Pb}(d, ^3\text{He})$ Reaction. I. Experimental Methods and Results

Phys. Rev. C62 (2000) 025201-1 - 025201-11

20.45.0

IKP-00-11-041

Gillitzer A. for the GSI-S160 Collaboration

Observation of well-resolved 1s and 2p π^- States in Pb by high Resolution ($d, ^3\text{He}$) Spectroscopy

Proceedings of the 15th International Conference on Particles and Nuclei, PANIC'99, Uppsala, Sweden, 10.-16.6.1999

Nucl. Phys. A663&664 (2000) 206c-209c

20.45.0

IKP-00-11-042

Gillitzer A.

Deeply Bound Pionic States in Pb

Proc. of the Workshop "MESON 2000", Krakow, Poland, 19.-23.5.2000

Acta Phys. Pol. B31 (2000) 2581-2586

20.45.0

IKP-00-11-043

Golubeva, Ye. S., Cassing, W., Kondratyuk, L. A., Sibirtsev, A., Büscher, M.

Studying the ω N Elastic and Inelastic Cross Section with Nucleons

Eur. Phys. J. A 7 (2000) 271

20.45.0

IKP-00-11-044

Grishina, V. Yu, Kondratyuk, L. A., Büscher, M.

ω - and ϕ -Meson Production in $pn \rightarrow dM$ Reactions near Threshold and OZI-Rule Violation

Yad.Phys. 63, 10 (2000) 1913

20.45.0

IKP-00-11-045

Grishina, V. Yu., Kondratyuk, L.. A., Bratkovskaya, E. L., Büscher, M., Cassing, W.

Production of a_0 -mesons in the reactions $\pi^- N \rightarrow a_0^- N$ and $pp \rightarrow da^0$ at GeV energies

Eur. Phys. J. A 9 (2000) 277

20.45.0

IKP-00-11-046

Grishina V.Yu., Kondratyuk L.A., Büscher M., Haidenbauer J., Hanhart C. Speth J.

η - and η' -meson Production in the Reaction $pn \rightarrow dM$ near Threshold

Phys. Lett. B 475, 9-16 (2000)

IKP-00-11-047

Grzonka, D., Kilian, K.

Experiments at COSY

Nucl. Phys. A670 (2000) 241c-248c

20.45.0

IKP-00-11-048

Haidenbauer J., Melnitchouk W., Speth J.

Meson-exchange model for the YN Interaction

Proc. of the "PANIC 99" Conf., Uppsala, Sweden, June 1999

Nucl. Phys. A633&644, 549c-552c (2000)

20.80.0

IKP-00-11-049

Haidenbauer J., Schäfer W., Speth J.

Pions in Hadron Physics

Proc. of the "MESON 2000" Conference, Krakow, Poland, 18.-23.5.2000

Acta Phys. Pol. B31, 2321-2332 (2000)

20.80.0

IKP-00-11-050

Hanhart C.

NN→ NN π from the Effective Field Theory Point of View: Short Comings and Gains

Proc. of the Workshop "MESON2000", Krakow, Poland, 18.-23.5.2000,

Acta Phys. Pol. Vol. 31 (2000) 2213-2217

20.80.0

IKP-00-11-051

Hanhart C., Haidenbauer J., Krehl O., Speth J.

Polarization Phenomena in a Dynamical Model of NN→ NN π

Proc. of the "PANIC 99" Conference, Uppsala, Sweden, June 1999

Nucl. Phys. A633&644, 461c-464c (2000)

20.80.0

IKP-00-11-052

Hanhart C., Haidenbauer J., Krehl O., Speth J.

Polarization Phenomena in a Dynamical Model of NN→ NN π near Threshold

Phys. Rev. C61 (2000) 064008

20.80.0

IKP-00-11-053

Heim T.A., Hencken K., Trautmann D. Baur G.

Coherent and Incoherent Atomic Scattering: Formalism and Application to Pionium Interaction with Matter

J.Phys. B33 (2000) 3583-3604

20.80.0

IKP-00-11-054

Hemmert T.R., Holstein B.R., Knochlein G., Drechsel D.

Generalized Polarizabilities of the Nucleon in Chiral Effective Theories

Phys. Rev. D62 (2000) 014013

20.80.0

IKP-00-11-055

Hencken K., Trautmann D., Baur G.

Production of Low Mass Electron Pairs Due to the Photon-Photon Mechanism in Central Collisions

Phys. Rev. C61 (2000) 027901XX

20.80.0

IKP-00-11-056

Itahashi K., Oyama K., Hayano R.S., Gilg H., Gillitzer A., Knülle M., Münch W., Schott W., Kienle P., Geissel H., Iwasa N., Münzenberg N., Münzenberg G., Hirenzaki S., Toki H., Yamzaki T.

Deeply Bound π^- States in ^{207}Pb Formed in the $^{208}\text{Pb}(\text{d},^3\text{He})$ Reaction. II. Deduced Binding Energies and Widths and the Pion-Nucleus

Phys. Rev. C62 (2000) 025202-1 - 025202-12

20.45.0

IKP-00-11-057

Jamin M., Oller J.A., Pich A.

S-wave $K\pi$ Scattering in Chiral Perturbation Theory with Resonances

Nucl. Phys. B587 (2000) 331

20.80.0

IKP-00-11-058

Jarczyk L., Guaraldo C., Machner H. Magiera A.

Conference Proceedings of the Workshop "Meson2000", Krakow, Poland, 19.-23.5.2000

Acta Phys. Pol. B31 (10-11) (2000) p. 2123-2794

20.45.0

IKP-00-11-059

Kamerdzhev S., Speth J., Tertychny G.

Microscopic analysis of the breathing mode in ^{40}Ca and ^{58}Ni

Eur. Phys. J. A7, 483-490 (2000)

20.80.0

IKP-00-11-060

Khokhaz A., Adam H.-H., Balewski J.T., Budzanowski A., Goodman C., Grzonka D., Jarczyk L., Jochmann M., Kilian K., Lang N., Lister T., Moskal P., Oelert W., Quentmeier C., Santo R., Schepers G., Seddik U., Sefzick T., Sewerin S., Smyrski J., Strzalkowski A., Wolke M., Wüstner P., Wyrwa D.

Near Threshold Production of η , η' and Charged Kaon Pairs in Proton-Proton Collisions

Proceedings of the 15th International Conference on Particles and Nuclei, PANIC'99, Uppsala, Sweden, 10.-16.6.1999

Nucl. Phys. A, Vol. 663-664 (1-4) (2000) pp. 565-568

20.50.0

IKP-00-11-061

Kleber, V., Achenbach, P., Ahrens, J., Beck, R., Hejny, V., Kellie, J. D., Kotulla, M., Krusche, B., Kuhr, V., Leukel, R., Metag, V., Novotny, R., Olmos de León, V., Owens, R. O., Rambo, F., Schmidt, A., Schumacher, M., Siodlaczek, U., Ströher, H., Weiβ, J., Wissmann, F., Wolf, M.

Double- π^0 photoproduction from the deuteron

Eur. Phys. J. A 9, 1 (2000) 1

20.50.0

IKP-00-11-062

Klimala W., Betigeri M., Bojowald J., Budzanowski A., Chatterjee A., Ernst J., Freindl L., Frekers D., Garske W., Grewer K., Hamacher A., Ilieva J., Jarczyk L., Kemmerling G., Kilian K., Kliczewski S., Kolev D., Kutsarova T., Lieb J., Machner H., Magiera A., Nann H., Pentchev L., Plendl H.S., Protic D., Razen B., von Rossen P., Roy B.R., Siudak R., Smyrski J., Srikantiah R.V., Strzalkowski A.A., Tsenov R., Zolnierczuk P.A., Zwoll K.

Meson Production in p+d Reactions

Acta Phys. Pol. 32 (2000) 2231

20.45.0

IKP-00-11-063

Krehl O., Hanhart C., Krewald S., Speth J.

What is the structure of the Roper Resonance?

Phys. Rev. C62 (2000) 25207

20.80.0

IKP-00-11-064

Kubis B., Mei  ner Ulf-G.

Virtual Photons in the Pion Form Factors and the Energy-momentum Tensor

Nucl. Phys. 671 (2000) 331

20.80.0

IKP-00-11-065

Letourneau, A.; Galin, J.; Goldenbaum, F.; Lott, B.; P  ghaire, A.; Enke, M.; Hilscher, D.; Jahnke, U.; N  nighoff, K.; Filges, D.; Neef, R.D.; Paul, N.; Schaal, H.; Sterzenbach, G.; Tietze, A.:

Neutron Production in Bombardments of thin and thick W, Hg, Pb Targets by 0.4, 0.8, 1.2, 1.8 and 2.5 GeV Protons

Nucl. Instr. and Meth. In Phys. Res. B170 (2000) 299-322

20.90.0

IKP-00-11-066

Leya, I.; Lange, H.-J.; L  pke, M.; Neupert, U.; Daunke, R.; Fanenbruck, O.; Michel, R.; R  sel, R.; Meltzow, B.; Schiekel, T.; Sudrock, F.; Herpers, U.; Filges, D.; Bonani, G.; Dittrich-Hannen, B.; Suter, M.; Kubik, P.W.; Synal, H.-A.:

Simulation of the Interaction of Galactic Cosmic-Ray Protons with Meteoroids: On the Production of Radionuclides in Thick Gabbro and Iron Targets Irradiated Isotropically with 1.6 GeV Protons

Meteoritics & Planetary Science 35 (2000) 287-318

20.48.0

IKP-00-11-067

Lieder R.M., Rzaca-Urban T., Jensen H.J., Gast W., Georgiev A., J  ger H., van der Meer E., Droste Ch., Morek T., Bazzacco D., Lunardi S., Menegazzo R., Petrache C.M., Rossi Alvarez C., Ur C.A., de Angelis G., Napoli D.R., Venkova Ts., Wyss R.

From Highly to Superdeformed Shapes: Study of ^{143}Gd

Nucl. Phys. A671 (2000) 52-70

20.10.0

IKP-00-11-068

Lorentz, B., H  berli, W., Rathmann, F., Wise, T., Doskow, J., Dzemidzic, M., Hardie, J. G., Meyer, H. O., Pollock, R. E., von Przewoski, B., Rinckel, T., Sperisen, F., and Pancella, P. V.

Angular distribution of the longitudinal $\bar{p}p \rightarrow d\pi^+$.

Phys. Rev. C 61 (2000) 064604

20.45.0

IKP-00-11-069

Magiera A., Machner H.

Charge and Isospin Symmetry breaking via External π^0 - η Mixing

Nucl. Phys. A674 (2000) 515

20.45.0

IKP-00-11-070

Matulewicz, T., Aphecetche, L., Charbonnier, Y., Delagrange, H., Gudima, K. K., Mart  nez, G.,

Płoszajczak, M., Schutz, Y., Toneev, V. D., Appenheimer, M., Averbeck, R., Díaz, J., Döppenschmidt, A., van Goethem, M. J., Hlavac, S., Hoefman, M., Holzmann, R., Lefèvre, F., Kugler, A., Löhner, H., Marín, A., Metag, V., Novotny, R., Ostendorf, R. W., Siemsse, R. H., Simon, R. S., Stratmann, R., Ströher, H., Tlusty, P., Vogt, P. H., Wagner, V., Weiss, J., Wilschut, H. W., Wissmann, F., Wolf, A. R., Wolf, M.

Observation of $\Delta^+ \rightarrow p\pi^0$ decay in heavy-ion collisions

Eur. Phys. J. A 9, 69 - 72 (2000)

20.45.0

IKP-00-11-071

Meißner Ulf-G., Rakimov A., Yakhshiev

The Nucleon-Nucleon Interaction and Properties of the Nucleon in a $\pi\rho\omega$ Soliton Model including a Dilaton Field

Phys. Lett. B473 (2000) 200

20.80.0

IKP-00-11-072

Meißner Ulf-G., Oller J.A.

Chiral Unitary Meson-Baryon Dynamics in the Presence of Resonances: Elastic Pion-Nucleon Scattering

Nucl. Phys. A673 (2000) 311

20.80.0

IKP-00-11-073

Meißner Ulf-G., Oller J.A.

$J/\Psi \rightarrow \phi\pi\pi(\chi\bar{\chi})$ Decays, Chiral Dynamics and OZI Violation

Nucl. Phys. A679 (2000) 372

20.80.0

IKP-00-11-074

Meißner Ulf-G.

Applications of Effective Field Theory Methods in Nuclear and Particle Physics

Prog. Part. Nucl. Phys. 44 (2000) 223

20.80.0

IKP-00-11-075

Meyer, H. O., Knutson, L. D., Balewski, J. T., Dähnick, W. W., Doskow, J., Häberli, W., Lorentz, B., Pollock, R. E., Pancella, P. V., von Przewoski, B., Rathmann, F., Rinckel, T., Saha, Swapan K., Schwartz, B., Thorngren-Engblom, P., Wellinghausen, A., and Wise, T

Oberservation of a large longitudinal analyzing power in a nuclear reaction.

Phys. Lett. B 480, 7 (2000)

20.45.0

IKP-00-11-076

Mihăilescu L., Gast W., Lieder R.M., Brands H., Jäger H.

The Influence of Anisotropic Electron Drift Velocity on the Signal Shapes of closed-end HPGe Detectors

Nucl. Instr. Methods A447 (2000) 350-360

20.10.0

IKP-00-11-077

Morsch H.P., Zupranski P.

Structure of the P_{11} (1440 MeV) Resonance from α -p and π -N-Scattering

Phys. Rev. C61 (2000) 024002

20.45.0

IKP-00-11-078

Moskal, P. et al. (for the COSY-11 Collaboration)

Energy Dependence of the Near-Threshold Cross Section for the $pp \rightarrow pp\eta'$ Reaction

Phys. Lett. B474 (2000) 416-422

20.50.0

IKP-00-11-079

Moskal, P. et al. (for the COSY-11 Collaboration)

S-Wave η' -Proton FSI; Phenomenological Analysis of Near-Threshold Production of π^0 , η and η' Mesons in Proton-Proton Collisions

Phys. Lett. B482 (2000) 356-362

20.50.0

IKP-00-11-080

Moskal P. (for the COSY-11 Collaboration)

Proton-proton Collisions at Production Thresholds

Proc. of the Workshop "Meson2000", Krakow, Poland, 19.-23.5.2000

Act. .Phys. Pol. B31 (2000) 2277-2284

20.50.0

IKP-00-11-081

Müller G., Meißner Ulf-G., Steininger S.

Renormalization of the Chiral Pion-Nucleon Lagrangian beyond next-to-leading Order

Ann. Phys. (NY) 279 (2000)

20.80.0

IKP-00-11-082

Nikolaev N.N., Schäfer W., Schwiete G.

Multiple Pomeron Splitting in QCD-A Novel Anti-Shadowing Effect in Coherent Dijet Production on Nuclei

JETP Lett. 72 (2000) 583

20.80.0

IKP-00-11-083

Nikolaev N.N., Schäfer W., Schwiete G.

Coherent Production of Hard Dijets on Nuclei in QCD

Phys. Rev. D63 (2000) 0340XX

20.80.0

IKP-00-11-084

Nikolaev N.N., Speth J., Zoller V.R.

The Colour Dipole BFKL-Regge Expansion: From DIS on Protons to Pions to Rise of Hadronic Cross Sections,

Phys. Lett. B473 (2000) 157

20.80.0

IKP-00-11-085

Nikolaev N.N., Speth J., Zakharov B.G.

Nuclear-Medium Modification of the Rho(1S)- and Rhoprim(2S)-Mesons in Coherent Photo- and Electroproduction: Coupled Channel Analysis

Phys. Atom. Nucl. 63 (2000) 1463

20.80.0

IKP-00-11-086

Nikolaev N.N.

Diffractive Vector Mesons in DIS: Meson Structure an QCD

Acta Phys. Pol. 31 (2000) 2485

20.80.0

IKP-00-11-087

Novotny, R., Beck, R., Döring, W., Hejny, V., Hofstaetter, A., Korzhik, M. V., Metag, V., Ströher, H.

Electromagnetic Calorimetry with PbWO₄ in the Energy Regime below 1 GeV

IEEE Transactions on Nuclear Science, Vol. 47, 4 (2000) 1499

20.50.0

IKP-00-11-088

Novotny, R., Beck, R., Döring, W., Hejny, V., Römer, K., and Ströher, H.

A compact and fast photon detector for COSY - status report on the design study -

IEEE NSS 2000, Lyon, France, October 2000

20.50.0

IKP-00-11-089

Oller J.A.

The Case of a WW Dynamical Scalar Resonance within a Chiral Effective Description of the strongly Interaction Higgs Sector

Phys. Lett. B477 (2000) 187

20.80.0

IKP-00-11-090

Oller J.A., Oset E., Ramos A.

Chiral Unitary Approach to Meson-Meson and Meson-Baryon Interactions and Nuclear Applications

Prog. Part. Nucl. Phys. 45 (2000) 157

20.80.0

IKP-00-11-091

Park B., Rho M., Wirzba A., Zahed I.

Dense QCD: Overhauser or BCS Pairing?

Phys. Rev. D62 (2000) 034015

20.80.0

IKP-00-11-092

Petrache C.M., Lo Bianco G., Ward D., Galindo Uribarri A., Spolaore P., Bazzacco D., Kröll T., Lunardi S., Menegazzo R., Rossi Alvarez C., Macchiavelli A., Clark R.M., Cromaz M., Fallon P., Lane G.J., Gast W., Lieder R.M., Falconi G. Afanasjev A.V., Ragnarsson I.

Stable Triaxiality at the Highest Spins ¹³⁸Nd und ¹³⁹Nd

Phys. Rev. C61, 011305®(2000)

20.10.0

IKP-00-11-093

Pienkowski, L.; Bohne, W.; Egidy, T.v.; Galin, J.; Goldenbaum, F.; Hilscher, D.; Jahnke, U.; Jastrzebski, J.; Lott, B.; Morjean, M.; Pausch, G.; Péghaire, Polster, D.; Proschitzki, S.; Quednau, B.; Rossner, H.; Schmid, S.; Schmid, W.:

Vaporization and Multifragmentation in the Reaction 1.2 GeV \bar{p} +Cu and Ag.,

Phys. Lett. B472 (2000) 15

20.48.0

IKP-00-11-094

Prasuhn, D.; Dietrich, J.; Maier, R.; Stassen, R.; Stein, H. J.; Stockhorst, H.

Electron and stochastic Cooling at COSY

Nuclear Instruments& Methods in Physics Research A 441 (2000) 167-174

20.38.0

IKP-00-11-095

Rho M., Wirzba A., Zahed I.

Generalized Pions in Dense QCD

Phys. Lett. B473 (2000) 126

20.80.0

IKP-00-11-096

Rho M., Shuryak E., Wirzba A., Zahed I.

Generalized Mesons in Dense QCD

Nucl. Phys. A676 (2000) 273

20.80.0

IKP-00-11-097

Roderburg E. (for the COSY-TOF Collaboration)

Measurement of the η -Production in Proton-Proton Collisions with the COSY-TOF-Spectrometer

Proc. of the Workshop "MESON 2000", Krakow, Poland, 19.-23.5.2000

Acta Phys. Pol. B31 (2000) 2299

20.45.0

IKP-00-11-098

Rzaca-Urban T., Pasternak A., Lieder R.M., Urban W., Rejmund M., Marcinkowska Z., Marcinkowski R., Utzman S., Jensen H.J., Gast W., Jäger H., Bazzacco D., Lunardi S., Medina N.H., Menegazzo R., Pavan P., Petrache C.M., Rossi Alvarez C., de Angelis G., Napoli D.R., Zhu L., Dewald A., Kasemann S.

Study of Quadrupole Moments of Superdeformed Bands in ^{145}Gd

Nucl. Phys. A677 (2000) 25

20.10.0

IKP-00-11-099

Sa Borges J., Soares Barbosa J., Tonasse M., Haidenbauer J.

Two-loop Chiral Perturbation Theory and the Pion-Pion Phase Shifts

Hadronic Journal 22, 617-623 (2000)

20.80.0

IKP-00-11-100

Saito T.-Y., Haidenbauer J.

A Two-pion Exchange Three-Nucleon Force based on a Realistic π N Interaction

Euro. Phys. J. A7, 559-571 (2000)

20.80.0

IKP-00-11-101

Schadow W., Sandhas W., Haidenbauer J., Nogga A.

Comparison of Triton Bound State Properties using Different Separable Representations of Realistic Potentials

Few-Body-Systems 28, 241-258 (2000)

20.80.0

IKP-00-11-102

Schadow W., Elster Ch., Glöckle W.

Three-Body Scattering below Breakup Threshold: An Approach without using Partial Waves

Few-Body-Systems 28, 15 (2000)

20.80.0

IKP-00-11-103

Schäfer W., Nikolaev N.N., Szczerba A., Speth J.

Inclusive Production of Forward Neutrons and the Pionic Content of the Nucleon

Proc. of the Workshop "MESON2000", Krakow, Poland, 18.-23.5.2000,

Acta Phys. Pol. Vol. 31 (2000) 2511-2515

20.80.0

IKP-00-11-104

Schwiete G.

Higher Order Coulomb Corrections to the Primakoff Measurement of the π^0 Lifetime

Proc. of the Workshop "MESON2000", Krakow, Poland, 18.-23.5.2000,

Acta Phys. Pol. Vol. 31 (2000) 2437-2441

20.80.0

IKP-00-11-105

Sewerin S., Balewski J.T., Budzanowski A., Goodman C., Grzonka D., Jarczyk L., Jochmann M., Khoukaz A., Kilian K., Köhler M., Lister T., Moskal P., Oelert W., Quentmeier C., Santo R., Schepers G., Seddik U., Sefzick T., Smyrski J., Strzalkowski A., Wolke M. Wüstner P., Eyrich W., Fritsch M., Haidenbauer J., Hanhart C., Stinzing F., Wilkin C.

Near Threshold Hyperon-production at COSY-11 in the Reactions $pp \rightarrow pK^+\Lambda$ and $pp \rightarrow pK^+\Sigma^0$

Proceedings of the 15th International Conference on Particles and Nuclei, PANIC'99, Uppsala, Sweden, 10.-16.6.1999

Nucl. Phys. A, Vol 663-664 (1-4) (2000) pp. 473-476

20.50.0

IKP-00-11-106

Sibirtsev, A., Hejny, V., Ströher, H., Cassing, W.

Studying the ω properties in pA collisions via the $\omega \rightarrow \pi^0\gamma$ decay,

Phys. Lett. B 483 (2000) 405

20.50.0

IKP-00-11-107

Siems, T., Anagnostopoulos, D. F., Borchert, G., Gotta, D., Hauser, P., Kirch, K., Simons, L. M., El-Khoury, P., Indelicato, P., Augsburger, M., Chatellard, D., Egger, J.-P.

First Direct Observation of Coulomb Explosion during the Formation of Exotic Atoms

Phys. Rev. Lett. 84, 20 (2000) 4573

20.50.0

IKP-00-11-108

Smyrski J. et al. (for the COSY-11 Collaboration)

Near-Threshold η Meson Production in Proton-Proton Collisions

Phys. Lett. B474 (2000) 182-187

20.50.0

IKP-00-11-109

Stein, H. J., Krol, G., Barsov, S., Koptev, V.

Application and methodological improvements to the floating-wire technique to characterize the magnetic properties of a spectrometer dipole

Rev. Sci. Instr., submitted (2000)

20.45.0

IKP-00-11-110

Tarasov V., Baru V., Kudryavtsev A.

Near-threshold Amplitude of Pion Deuteron Scattering: One-loop Contribution

Phys. Atom. Nucl. V63, 801 (2000)

20.80.0

IKP-00-11-111

Vassiliev, A., Nelyubin, V., Koptev, V., Kravtsov, P., Lorentz, B., Marik, H. J., Mikirtychians, M., Nekipelov, M., Rathmann, F., Paetz gen. Schieck, H., Seyfarth, H., and Steffens, E.

24 Segment High Field Permanent Sextupole Magnets.

Rev. Sci. Instrum. 71 (2000) 3331

20.45.0

IKP-00-11-112

Wagner, R.; Bräutigam, W.; Filges, D.; Ullmaier, H.:

The Project "European Spallation Neutron Source (ESS)": Status of R&D Programme

Physica B 276-278 (2000) 38-44

20.90.0

IKP-00-11-113

Walzl M.

Isospin Violation in the Two Nucleon System

Proc. of the "MESON 2000" Conference, Krakow, Poland, 18.-23.5.2000

Acta Phys. Pol. Vol.31 (2000) 2709-2713

20.80.0

IKP-00-11-114

Weppner S.P., Garcia O., Elster Ch.

Sensitivities of the Proton-Neutron Elastic Scattering Observables of ${}^6\text{He}$ and ${}^8\text{He}$ at Intermediate Energies

Phys. Rev. C61, 044002-1 (2000)

20.80.0

IKP-00-11-115

Wissmann, F., Achenbach, P., Ahrens, J., Arends, H.-J., Beck, R., Bilger, R., Camen, M., Capitani, G. P., Caselotti, G., Galler, G., Grabmayr, P., Härtter, F., Hehl, T., Heid, E., Hejny, V., Jahn, O., Jennewein, P., Kondratjev, R., Kossett, K., L`vov, A. I., Massone, A. M., Metag, V., Natter, A., Novotny, R., Olmos de León, V., Robbiano, A., Rosenkranz, D., Sanzone, M., Schilling, E., Schmidt, A., Schumacher, M., Seitz, B., Siodlaczek, U., Smend, F., Ströher, H., Vorwerk, H., Walcher, Th., Weiss, J., Wolf, M., Wolf, S., Zapadtk, F.

Compton scattering from the free and bound proton above π -threshold

Nucl. Phys. A663&664 (2000) 397c

20.50.0

IKP-00-11-116

Wolf, M., Ahrens, J., Beck, R., Hejny, V., Kellie, J. D., Kotulla, M., Krusche, B., Kuhr, V., Leukel, R., Metag, V., Nacher, J. C., Novotny, R., Olmos de León, V., Owens, R. O., Rambo, F., Schmidt, A., Schumacher, M., Siodlaczek, U., Ströher, H., Weiβ, J., Wissmann, F.

Photoproduction of neutral pion pairs from the proton

Eur. Phys. J. A 9, 5 - 8 (2000)

20.50.0

[Journals](#), [Proceedings & Reports](#), [Invited Talks](#), [Conference Contributions](#), [Posters](#),
[Patents & Applications for Patents](#), [Lectures at Universities](#)

Proceedings, Reports

IKP-00-12-001

Akushevich I., Kuraev E.A., Shaikhatalenov B.G., Nikolaev N.N.

DVCS in the Fragmentation Region of Polarized Electron

Proceedings of Crimea Summer School, 27.5.-4.6.2000

Yalta, Crimea, Ukraine, "Yalta2000: New Trends in High-Energy Physics", pp. 65-68
20.80.0

IKP-00-12-002

Altmeier, M.; Bauer, F.; Bisplinghoff, J; Busch, M.; Büßer, K.; Colberg, T.; Demirörs, L.; Diehl, O.; Dohrmann, F.; Engelhardt, H. P.; Eversheim, P. D.; Felden, O.; Gebel, R.; Glende, M.; Greiff, J.; Groß-Hardt, R.; Hinterberger, F.; Jahn, R.; Jonas, E.; Krause, H.; Langkau, R.; Lindemann, T.; Lindlein, J.; Maier, R.; Maschuw, R.; Meinerzhagen, A.; Nähle, O.; Prasuhn, D.; Rohdjeß, H.; Rosendaal, D.; Rossen von, P.; Schirm, N.; Schwarz, V.; Scobel, W.; Trelle, H. J.; Weise, E.; Wellinghausen, A.; Woller, K.; Ziegler, R. The EDDA Collaboration

Pp Elastic Scattering: New Results from EDDA (COSY)

Nuclear Physics at Storage Rings, 2000

20.35.0

IKP-00-12-003

Altmeier, M.; Bauer, F.; Bisplinghoff, J; Busch, M.; Büßer, K.; Colberg, T.; Demirörs, L.; Diehl, O.; Engelhardt, H. P.; Eversheim, P. D.; Felden, O.; Gebel, R.; Glende, M.; Greiff, J.; Hinterberger, F.; Jonas, E.; Krause, H.; Lindemann, T.; Lindlein, J.; Maier, R.; Maschuw, R.; Meinerzhagen, A.; Prasuhn, D.; Rohdjeß, H.; Rosendaal, D.; Rossen von, P.; Schirm, N.; Schwarz, V.; Scobel, W.; Trelle, H. J.; Weise, E.; Wellinghausen, A.; Ziegler, R. The EDDA Collaboration

Excitation Functions of the Analyzing Power in pp Scattering from 0.45 to 2.5 GeV

Physical Review Letters (2000)

20.35.0

IKP-00-12-004

Anagnostopoulos, D. F., Borchert, G., Egger, J. - P., Gotta, D., Hennebach, M., Indelicato, P., Liu, Y. W., Manil B., Nelms, N. and Simons, L. M.

Acta Phys. Pol. B, Vol. 31, 10 - 11 (2000) 2219

20.45.0

IKP-00-12-005

Barnes T.

Hybrids Baryons

Proc. of the COSY-Workshop "Baryons Excitations", Forschungszentrum Jülich, Germany, 2.-3.5.2000, eds. T. Barnes, H.-P. Morsch, Schriften d. Forschungszentrums Jülich, Reihe Materie und Material, Vol. 6 (2000) 121-131

20.80.0

IKP-00-12-006

Barnes T.

Hybrids

Lectures of the COSY Workshop "Baryons Excitations", eds. T. Barnes, H.P. Morsch, Forschungszentrum Jülich, Matter and Materials, Vol. 6, 2000, 121-131

20.80.0

IKP-00-12-007

Barnes T., Morsch H.P.

Baryons Excitations

Matter and Materials, Vol. 6, 2000, Forschungszentrum Jülich, Germany, 2.-3.-5.2000

20.80.0

IKP-00-12-008

Barsov, S ., Bechstedt, U., Borchert, G., Borgs, W., Büscher, M., Debowski, M., Erven, W., Eßer, R., Fedorets, P., Gotta, D., Hartmann, M., Junghans, H., Kacharava, A., Klehr, F., Koch, H. R., Komarov, V. I., Koptev, V., Kulessa, P., Kulikov, A., Kurbatov, V., Macharashvili, G., Maier, R., Mikirtychians, S., Merzliakov, S., Müller, H., Mussgiller, A., Nioradze, M., Ohm, H., Petrus, A., Prasuhn, D., Pysz, K., Rathmann, F., Rimarzig, B., Rudy, Z., Schleichert, R., Schneider, Chr.,

Schneider, H., Schult, O. W. B, Seyfarth, H., Sistemich, K., Stein, H. J., Ströher, H. for the ANKE collaboration

First Results on Strangeness Production from the ANKE Facility

AIP Conf.

Proc. 512 (2000) 138

20.45.0

IKP-00-12-009

Barsov, S., Bechstedt, U., Borchert, G., Borgs, W., Büscher, M., Debowski, M., Erven, W., Eßer, R., Fedorets, P., Gotta, D., Hartmann, M., Junghans, H., Kacharava, A., Klehr, F., Koch, H. R., Komarov, V. I., Koptev, V., Kulessa, P., Kulikov, A., Kurbatov, V., Macharashvili, G., Maier, R., Mikirtytchians, S., Merzliakov, S., Müller, H., Mussgiller, A., Nioradze, M., Ohm, H., Petrus, A., Prasuhn, D., Pysz, K., Rathmann, F., Rimarzig, B., Rudy, Z., Schleichert, R., Schneider, Chr., Schneider, H., Schult, O. W. B, Seyfarth, H., Sistemich, K., Stein, H. J., Ströher, H. for the ANKE collaboration

First results from subthreshold K^+ -production measurements with ANKE

Proc. XVth Particles And Nuclei International Conf. (PANIC 99), 10 - 16 June 1999, Uppsala, Sweden;

Nucl. Phys. A, 663 - 664, (2000) 1107c

20.45.0

IKP-00-12-010

Barsov, S., Koptev, V., Bechstedt, U., Buescher, M., Krol, G., Sagefka, Th., and Stein, H. J.

Dipole Field Characterization by Floating Wire and Field Map Ray Tracing

Proc. 16th International Conference on Magnetic Technology, Ponte Vedra Beach, USA, 26 Sept. - 2 Oct. 1999, in Trans. Applied Supercond. 10 (2000) 1462

20.45.0

IKP-00-12-011

Barsov, S., Bechstedt, U., Borchert, G., Borgs, W., Büscher, M., Debowski, M., Erven, W., Eßer, R., Fedorets, P., Gotta, D., Hartmann, M., Junghans, H., Kacharava, A., Klehr, F., Koch, H. R., Komarov, V. I., Koptev, V., Kulessa, P., Kulikov, A., Kurbatov, V., Macharashvili, G., Maier, R., Mikirtytchians, S., Merzliakov, S., Müller, H., Mussgiller, A., Nioradze, M., Ohm, H., Petrus, A., Prasuhn, D., Pysz, K., Rathmann, F., Rimarzig, B., Rudy, Z., Schleichert, R., Schneider, Chr., Schneider, H., Schult, O. W. B, Seyfarth, H., Sistemich, K., Stein, H. J., Ströher, H. for the ANKE collaboration

Subthreshold K^+ -Production Studies with ANKE at COSY-Jülich

Proc. 7th Conf. on the Intersections of Particle and Nuclear Physics (CIPANP 2000), Quebec, Canada, 22 - 28 May 2000

20.45.0

IKP-00-12-012

Betigeri M., Bojowald J., Budzanowski A., Chatterjee A., Ernst J., Freindl L., Frekers D., Garske W., Grewer K., Hamacher A., Ilieva J., Jarczyk L., Kemmerling G., Kilian K., Kliczewski S., Klimala W., Kolev D., Kutsarova T., Lieb J., Machner H., Magiera A., Nann H., Pentchev L., Plendl H.S., Protic D., Razen B., von Rossen P., Roy B.R., Siudak R., Smyrski J., Srikanthiah R.V., Strzalkowski A.A., Tsenov R., Zolnierczuk P.A., Zwoll K.

Meson Production in p+d Reactions

Proc. "STORI99" Conference, Bloomington, USA 2000, AIP Conf. Proc. 512 (2000) 60

20.45.0

IKP-00-12-013

Büscher, M.

COSY-News 10 (2000)

20.45.0

IKP-00-12-014

Büscher, M., Kleber, V.

Proceedings of the "Workshop on a_0 Physics with ANKE", Moscow, Russia, July 13 - 14, 2000

Berichte des Forschungszentrums Jülich 3801, ISSN 0944-2952, Institut für Kernphysik JüL-3801 20.45.0

IKP-00-12-015

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Search for Resonances Decaying to e^+ -Jet in e^+p Interactions at HERA

Report, DESY-00-023, February 2000

20.48.0

IKP-00-12-016

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

The Q^2 Dependence of Dijet Cross Sections in γp Interactions at HERA

Report, DESY-00-017, Feb. 2000

20.48.0

IKP-00-12-017

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of Inclusive $D\pi^\pm$ Photoproduction at HERA

Report, DESY-00-023, Feb. 2000

20.48.0

IKP-00-12-018

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of Azimuthal Asymmetries in Deep Inelastic Scattering

Report, DESY-00-040, March 2000

20.48.0

IKP-00-12-019

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of the Proton Structure Function F_2 at Very Low Q^2 at HERA

Report, DESY-00-071, May 2000

20.48.0

IKP-00-12-020

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of exclusive ω electroproduction at HERA

Report, DESY-00-084, June 2000

20.48.0

IKP-00-12-021

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

A Search for Resonance Decays to $\bar{\nu}$ -Jet in e^+p Scattering at HERA

Report, DESY-00-133, September 2000

20.48.0

IKP-00-12-022

Cloth, P.; Filges, D. and the members of the ZEUS Collaboration:

Measurement of Dijet Cross Sections for Events with a Leading Neutron in Photoproduction at HERA

Report, DESY-00-142, October 2000

20.48.0

IKP-00-12-023

**COSY-News published by the FZJ in Cooperation with CANU, the COSY User Organisation
of the Universities**

No. 8, May 2000

20.45.0

IKP-00-12-024

Crescenti; M.; Etzkorn, F. -J.; Schnase, A.; Primadei, G.; Susini, A.; (Tera Consultant)

The VITROVAC® RF Cavity in the TERA/PIMMS Medical Synchrotron

Proceedings of the 7th European Particle Accelerator Conference (EPAC), 26 June to 30 June 2000, Wien

20.30.0

IKP-00-12-025

Dietrich, J.; Bojowald, J.; Labus, H.; Lawin, H.; Mohos, I.

Fast Kicker Extraction at COSY-Jülich

Proceedings of the 7th European Particle Accelerator Conference (EPAC), 26 June to 30 June 2000, Wien

20.38.0

IKP-00-12-026

Elster Ch., Schadow W., Glöckle W.

Few-Body-Calculations - An Approach without Partial Waves

DPG-Frühjahrstagung, Dresden, Germany, 20-24.3.2000, Verhandl. DPG(VI) 35, 208 (2000), HK

8.4

20.80.0

IKP-00-12-027

Gasparian A., Haidenbauer J., Hanhart C., Kondratyuk A., Speth J.

Near Threshold Λ and Σ^0 Production in pp Collisions

Proc. in "Nuclear Physics at Storage Rings", AIP Conference, No. 512 (2000), pp. 120-122, eds. H.-O. Meyer, P. Schwandt

20.80.0

IKP-00-12-028

Gast W., Lieder R.M., Mihailescu L., Rossewijk M.

Digital Signal Processing for γ -Ray Tracking based on PPADC Hardware

Verhandl. DPG (VI) 35, 218 (2000)

20.10.0

IKP-00-12-029

Gast W., Lieder R.M. Mihailescu L., Rossewijk M., Georgiev A., Stein J.

Digital Signal Processing and Algorithms for Gamma-Ray-Tracking

Book of Abstracts, "IEEE Nuclear Science Symposium and Medical Imaging Conf." Lyon, France, (2000) p. 107

20.10.0

IKP-00-12-030

Gillitzer A.

N* Excitations in p-Scattering

Proc. of the COSY-Workshop "Baryons Excitations", Forschungszentrum Jülich, Germany, 2.-3.5.2000, eds. T. Barnes, H.-P. Morsch, Schriften d. Forschungszentrums Jülich, Reihe Materie und Material, Vol. 6 (2000) 173-185

20.45.0

IKP-00-12-031

Gotta, D.

Measurement of the ground-state shift and width in pionic hydrogen to the 1 % level: A new proposal at PSI

Proc. of the Eighth International Symposium on Meson-Nucleon Physics and the Structure of the Nucleon, (MENU'99) Zuoz, Engadine, Switzerland, 15 - 21 August 1999, π
N Newsletter no. 15, December 1999, p. 276
20.50.0

IKP-00-12-032

Haidenbauer, J., Baru V., Gasparian A., Hanhart C., Nakayama K., Speth J.

Mesonproduktion in Nukleon-Nukleon Kollisionen

DPG-Frühjahrstagung, Dresden, Germany, 20-24.3.2000, Verhandl. DPG(VI) 35, 208 (2000), HK 8
20.80.0

IKP-00-12-033

Khoukaz A. (for the COSY-11 Collaboration)

Near Threshold Heavy Meson Production in pp- and pd-Collisions at the Experiment COSY-11

International Workshop XXVIII on Gross Properties of Nuclei and Nuclear Excitations, Hirschegg, Austria, 16.-22.1.2000

Proceedings 'Hadrons in Dense Matter', GSI Darmstadt, ISSN 0720-8715, p. 35-39
20.50.0

IKP-00-12-034

Khoukaz A. (for the COSY-11 Collaboration)

Schwellennahe Mesonenproduktion an COSY-11

DPG-Frühjahrstagung, Dresden, Germany,
20.-24.3.2000,

Verhandlungen der DPG (VI) 35, 247 (2000), HK 27.4
20.50.0

IKP-00-12-035

Kilian K.

Study of Hyperon Resonances with TOF

Proc. of the COSY-Workshop "Baryons Exitations", Forschungszentrum Jülich, Germany, 2.-3.5.2000, eds. T. Barnes, H.-P. Morsch, Schriften d. Forschungszentrums Jülich, Reihe Materie und Material, Vol. 6 (2000) 187-189
20.45.0

IKP-00-12-036

Krewald S.

Structure of the Roper Resonance described by Meson-Baryon Dynamics

Lectures of the COSY Workshop "Baryons Exitations", eds. T. Barnes, H.P. Morsch, Forschungszentrum Jülich, Matter and Materials, Vol. 6, 2000, 121-131
20.80.0

IKP-00-12-037

Krewald S.

Structure of the Roper Resonance Described by Meson Baryon Dynamics

Proc. of the COSY-Workshop "Baryons Exitations", Forschungszentrum Jülich, Germany, 2.-3.5.2000, eds. T. Barnes, H.-P. Morsch, Schriften d. Forschungszentrums Jülich, Reihe Materie und Material, Vol. 6 (2000) 65-71
20.80.0

IKP-00-12-038

Kulessa, P., Rudy, Z., Cassing, W., Hartmann, M., Jarczyk, L., Kamys, B., Koch, H. R., Ohm, H., Pysz, K., Ströher, H., Strzalkowski, A.

Interaction of Strange Particles with Nucleons

IKP-00-12-039

Lieder R.M., Rzaca-Urban T., Brands H., Gast W., Jäger H.M., Mihailescu L., Pytel Z., Urban W., Morek T., Droste Chr., Chmel S., Bazzacco D., Falconi G., Menegazzo R., Lunardi S., Rossi Alvarez C., de Angelis G., Farnea E., Gadea A., Napoli D.R., Podolyak Z.

Study of Oblate Dipole and Triaxial Quadrupole Bands in ^{142}Gd with EUROBALL

Verhandl. DPG (VI), 35, 234 (2000)

20.10.0

IKP-00-12-040

Lieder R.M. and the Gamma-Ray Tracking Detector Collaboration

The TMR Network Project "Development of Gamma-Ray Tracking Detectors"

Verhandl. DPG (VI) 35, 201 (2000)

20.10.0

IKP-00-12-041

Lorentz, B.; Bechstedt, U.; Bräutigam, W.; Dietrich, J.; Gebel, R.; Henn, K.; Lehrach, A.; Maier, R.; Martin, S.; Prasuhn, D.; Rossen, v. P.; Schnase, A.; Schneider, H.; Stassen, R.; Stockhorst, H.; Tölle, R.

Status des Mittelenergiebeschleunigers COSY

DPG Tagung Dresden,

20.3. - 24.3.2000

20.30.0

IKP-00-12-042

Machner H. (for the GEM-Kollaboration)

Gleichzeitige Messung neutraler und gelader Pionen in Proton-Proton Wechselwirkung

DPG-Frühjahrstagung, Dresden, Germany,

20.-24.3.2000,

Verhandlungen der DPG (VI) 35, 247 (2000), HK 27.4

20.45.0

IKP-00-12-043

Magiera A. (for the GEM-Kollaboration)

Isospin Symmetry breaking in $\text{p}+\text{d} \rightarrow ^3\text{H}+\pi^+ / ^3\text{He}+\pi^0$ Reactions

DPG-Frühjahrstagung, Dresden, Germany,

20.-24.3.2000,

Verhandlungen der DPG (VI) 35, 229 (2000)

20.45.0

IKP-00-12-044

Magiera A., Betigeri M., Bojowald J., Budzanowski A., Chatterjee A., Ernst J., Freindl L., Frekers D., Garske W., Grewer K., Hamacher A., Ilieva J., Jarczyk L., Kemmerling G., Kilian K., Kliczewski S., Klimala W., Kolev D., Kutsarova T., Lieb J., Machner H., Nann H., Pentchev L., Plendl H.S., Protic D., Razen B., von Rossen P., Roy B.R., Siudak R., Smyrski J., Srikanthiah R.V., Strzalkowski A.A., Tsenov R., Zolnierczuk P.A., Zwoll K.

Reaction Mechanism and Isospin Symmetry breaking in $\text{pd} \rightarrow ^3\text{He}\pi^0 / ^3\text{H}\pi^+$ Reactions

Proc. "9th Intern. Conference Nuclear Reaction Mechanisms, Varenna, Italy 2000, Ricerca Scientifica ed Educazione Permanente, Suppl. 115 (2000) 275

20.45.0

IKP-00-12-045

Martin, S.; Bräutigam, W.; Glende, M.; Maier, R.; Schug, G.; Senichev, Y.; Zaplatin, E.; Pichoff, N. (CEA); Safa, H. (CEA)

System Optimisation for a Superconducting Linac for the European Spallation Source ESS
Proceedings of the 7th European Particle Accelerator Conference (EPAC), 26 June to 30 June
2000, Wien
20.91.0

IKP-00-12-046

Meißner Ulf-G.

Chiral QCD: Baryon Dynamics

Contribution to the Festschrift in honor of Boris Ioffe, one chapter of the "Handbook of QCD", M. Shifman (ed.), World Scientific, Singapore, 2000
20.80.0

IKP-00-12-047

Mihailescu L., Gast W., Lieder R.M., Rossewij M.

On-line Pulse Shape Analysis Algorithms for γ -Ray Tracking

Verhandl. DPG (VI) 35, 215 (2000)

20.10.0

IKP-00-12-048

Morsch H.-P.

Structure of the $P_{11}(1440 \text{ MeV})$ Resonance from α -p and π -N-Scattering

Proc. of the COSY-Workshop "Baryons Excitations", Forschungszentrum Jülich, Germany, 2.-3.5.2000, eds. T. Barnes, H.-P. Morsch, Schriften d. Forschungszentrums Jülich, Reihe Materie und Material, Vol. 6 (2000) 39-52
20.45.0

IKP-00-12-049

Rathmann, F.

Review of Polarized Internal Gas Targets

Meyer, H. O. and Schwandt, P., editors, Proc. of the 4th Int. Conf. On Physics at Storage Rings, volume 512 of Conference Proceedings, page 193, American Institute of Physics, 2000.
20.45.0

IKP-00-12-050

Rathmann, F., Düren, M., Jansen, P., Klehr, F., Meyer, H. O., Martin, S., Rith, K., Seyfarth, H., Steffens, E., and Ströher, H.

Study of Heavy Meson Production in NN Collisions with Polarized Beam and Target at COSY

Proc. of the 14th Int. Spin Physics Symposium, Conference Proceedings, to be published, 2000.
20.45.0

IKP-00-12-051

Rzaca-Urban T., Pasternak A., Lieder R.M., Urban W., Rejmund M., Utzman S., Jensen H.J., Gast W., Jäger H., Bazzacco D., Menegazzo R., Lunardi S., Rossi Alvarez C., de Angelis G., Medina N., Napoli D.R.

Study of Quadrupole Moments of Superdeformed bands in ^{145}Gd

Verhandl. DPG (VI) 35, 214 (2000)

20.10.0

IKP-00-12-052

Quentmeier C. (for the COSY-11 Collaboration)

Untersuchung der Reaktion $\text{pp} \rightarrow \text{ppK}^+ \text{K}^-$ nahe der Produktionsschwelle am Experimentaufbau COSY-11

DPG Frühjahrstagung, Dresden, Germany,

20.-24.3.2000,

Verhandlungen der DPG (VI) 35, 229 (2000), HK 15.8

20.50.0

IKP-00-12-053

Schnase, A.; Bechstedt, U.; Böhnke, M.; Dietrich, J.; Etzkorn, F.-J.; Henn, K.; Maier, R.; Papureanu, S.; Prasuhn, D.; Schneider, H.; Stassen, R.; Stockhorst, H.; Tölle, R.

Experience with a Broadband Cavity at COSY

Proceedings of the 7th European Particle Accelerator Conference (EPAC), 26 June to 30 June 2000, Wien

20.30.0

IKP-00-12-054

Senichev, Y. Bräutigam, W.; Martin, S.; Zaplatine, E.

Normal and Superconducting Parts of Linear Accelerators for Neutron Spallation Sources: Main Problems and Possible Solutions

Proceedings of the 7th European Particle Accelerator Conference (EPAC), 26 June to 30 June 2000, Wien

20.91.0

IKP-00-12-055

Siodlaczek, U., Achenbach, P., Ahrens, J., Arends, H.-J., Beck, R., Bilger, R., Clement, H., Hejny, V., Kotulla, M., Krusche, B., Kuhr, V., Leukel, R., Metag, V., Novotny, R., Olmos des León, V., Rambo, F., Schepkin, M., Schmidt, A., Schumacher, M., Ströher, H., Wagner, G. J., Walcher, Th., Weiβ, J., Wissmann, F., Wolf, M.

Measurement of coherent and incoherent π^0 photoproduction off the deuteron with tagged photons up to the Δ region

Nucl. Phys. A633&664 (2000) 428c

20.50.0

IKP-00-12-056

Stockhorst, H.; Bechstedt, U.; Dietrich, J.; Gebel, R.; Henn, K.; Lorentz, B.; Lehrach, A.; Maier, R.; Prasuhn, D.; Rossen, v. P.; Schnase, A.; Schneider, H.; Stassen, R.; Tölle, R.

The Medium Energy Proton Synchrotron COSY

Proceedings of the 7th European Particle Accelerator Conference (EPAC), 26 June to 30 June 2000, Wien

20.30.0

IKP-00-12-057

Ströher, H.

Meson Production with Various Probes

Acta Phys. Pol. B, Vol. 31, 10 - 11 (2000) 2333

20.45.0

IKP-00-12-058

Ströher, H.

Measurement fo Neutral Decays of N*'s at COSY

Workshop on "Baryon Excitations", Jülich, 2 - 3 May 2000

20.45.0

IKP-00-12-059

Ströher, H.

Meson Photoproduction with TAPS at MAMI

IX Seminar "Electromagnetic Interactions of Nuclei at Low and Medium Energies", Moscow, 20 - 22 Sept. 2000

20.50.0

IKP-0012-060

TypeI S., Wolter H., Baur G.

Indirekte Methoden in der nuklearen Astrophysik: Coulombaufrüttung und Trojan-Horse-Methode

DPG-Frühjahrstagung, Dresden, Germany, 20-24.3.2000, Verhandl. DPG(VI) 35, 250 (2000) HK 30.5
20.80.0

IKP-00-12-061

Whisnant, S. S., Ardashev, K., Blecher, M., Caracappa, A., D'Angelo, A., Didelez, J. P., Deininger, R., Hicks, K., Hoblit, S., Honig, A., Khandaker, M., Kistner, O., Kuczewski, A., Lincoln, F., Lindgren, R., Lehmann, A., Lowry, M., Lucas, M., Meyer, H., Micelli, L., Preedom, B. M., Norum, B., Saitoh, T., Sandorfi, A. M., Schaerf, C., Ströher, H., Thorn, C., Wang, K. and Wei, X.

The Polarized HD Ice Target at LEGS

World Scientific (2000)

20.50.0

IKP-00-12-062

Wolke M. (for the COSY-11 Collaboration)

Hyperon Production at the COSY-11 Facility

International Workshop XVIII on Gross Properties of Nuclei and Nuclear Excitations, Hirschegg, Austria, 16.-22.1.2000

Proceedings 'Hadrons in Dense Matter', GSI Darmstadt, ISSN 0720-8715, p. 27-34

20.50.0

IKP-00-12-063

Wolke M. (for the COSY-11 Collaboration)

Exclusive Strangeness Production in Proton-Proton Scattering at COSY

17. Students' Workshop on Electromagnetic Interactions, Sonderforschungsbereich 443

'Vielkörperstruktur stark wechselwirkender Systeme' der Deutschen Forschungsgemeinschaft (DFG), Bosen (Saar), Germany, September 2000

20.50.0

IKP-00-12-064

Yoshii, M.; Ohmori, C.; Mori, Y.; Kek; Schnase, A.

MA RF Cavity for the KEK 12 GEV PS

Proceedings of the 7th European Particle Accelerator Conference (EPAC), 26 June to 30 June 2000, Wien

20.30.0

IKP-00-12-065

Zaplatin, E.; Bräutigam, W.; Felden, O. Maier, R.; Martin, S.; Stassen, R.

Superconducting RF Cavity Development for ESS

Proceedings of the 7th European Particle Accelerator Conference (EPAC), 26 June to 30 June 2000, Wien

20.91.0

[Journals](#), [Proceedings & Reports](#), [Invited Talks](#), [Conference Contributions](#), [Posters](#),
[Patents & Applications for Patents](#), [Lectures at Universities](#)

Invited Talks

IKP-00-21-001

Barnes T.

Hybrids Baryons

COSY-Workshop "Baryons Excitations", Forschungszentrum Jülich, Germany, 2.-3.5.2000

20.80.0

IKP-00-21-002

Baur G.

Photon-photon and Photon-Hadron Interactions in Peripheral Collisions: >From RHIC to LHC

CMS Heavy Ion Meeting, St. Petersburg, Russia, 11.-14.6.2000

20.80.0

IKP-00-21-003

Baur G.

Electromagnetic Dissociation as a Tool for Nuclear Structure and Astrophysics

Int. School of Nuclear Physics, 22nd Course: Radioactive Beams in Nuclear and Astrophysics, Erice, Sicily, 16.-24.9.2000

20.80.0

IKP-00-21-004

Baur G.

The Past and Future of Coulomb Dissociation in Hadron- and Astrophysics

NATO Advances Study Institute "Nuclei far from Stability and Astrophysics", Predeal, Rumania, 28.8.-8.9.2000

20.80.0

IKP-00-21-005

Büttiker P.

Dispersion Relations and Chiral Perturbation Theory

International Conference on "Conference Chiral Dynamics: Theory and Experiment", Newport News, USA, 17.-22.7.2000

20.80.0

IKP-00-21-006

Dietrich, J.

Lectures given during the "Accelerator School 2000": Fundamentals of Particle Accelerator Physics

Research and Development Center for Advanced Technology, 2.9. - 12.9.2000, Yogyakarta, Indonesia

20.30.0

IKP-00-21-007

Elster Ch.

Faddeev Calculations without Partial Wave Decomposition

Workshop "Towards a Solution for 4He, Graduiertenkolleg Erlangen-Regensburg, Erlangen, Germany, 19.1.2000

20.80.0

IKP-00-21-008

Elster Ch.

Faddeev Calculations in Nuclear Physics

Workshop on Computational Methods for Few-Body Dynamical Systems, NIST Gaithersburg, USA, 15.-17.11.2000

20.80.0

IKP-00-21-009

Elster Ch.

Three Body Bound States: Nonrelativistic and Relativistic Calculations without Angular

Momentum Decomposition

International Symposium on "Nuclear Physics", Bhabha Atomic Research Centre, Mumbai, 18.-22.12.2000

20.80.0

IKP-00-21-010

Epelbaum E.

Chiral Dynamics in the Few Nucleon System

XVII European Conference on Few-Body Problems in Physics, Evora, Portugal, 11.-16.9.2000

20.80.0

IKP-00-21-011

Fettes N.

Isospin Violation in $\pi\pi$ and π N Systems

International Conference on "Conference Chiral Dynamics: Theory and Experiment", Newport News, USA, 17.-22.7.2000

20.80.0

IKP-00-21-012

Filges, D.; Enke, M.; Galin, J.; Goldenbaum, F.; Herbach, C.-M.; Hilscher, D.; Jahnke, U.; Letourneau, A.; Lott, B.; Neef, R.-D.; Nünighoff, K.; Paul, N.; Péghaire, A.; Pienkowski, L.; Pohl, C.; Schaal, H.; Schröder, U.; Sterzenbach, G.; Tietze, A.; Tishchenko, V.; Toke, J.; Wohlmuther, M.:

Spallation Reactions and Energy Deposition in Heavy Target Materials: Comparison of Measurements and MC-Calculations

ICANS-XV, 15th Meeting of the Int. Collaboration on Advanced Neutron Sources, Tsukuba, Japan, Nov. 6-9, 2000

20.90.0

IKP-00-21-013

Filges, D.:

Summary Report of the Working Group Session: "Code Systems, Cross Sections and Kernels"

ICANS-XV, 15th Meeting of the Int. Collaboration on Advanced Neutron Sources, Tsukuba, Japan, Nov. 6-9, 2000

20.48.0

IKP-00-21-014

Filges, D.; Neef, R.-D.; Schaal, H.; Sterzenbach, G.:

The HERMES Monte Carlo Program System a Versatile Tool for Spallation Physics and Detector Applications

MC2000, Int. Conf. on Advanced Monte Carlo for Radiation Physics, Particle Transport Simulation and Applications, Lissabon, Portugal, Oct. 23-26, 2000

20.90.0

IKP-00-21-015

Filges, D.; Gudowski, W.:

Summary and Highlights of Hadronic Sessions, Speculations and Perspective Views

MC2000, Int. Conf. on Advanced Monte Carlo for Radiation Physics, Particle Transport Simulation and Applications, Lissabon, Portugal, Oct. 23-26, 2000

20.48.0

IKP-00-21-016

Filges, D.:

Introduction and Aim of the Meeting

SARE-5/SATIF-5 Meeting Models and Codes for Spallation Neutron Sources

OECD-Headquarters, Paris, France, July 17-18,2000

20.90.0

IKP-00-21-017

Filges, D.:

The European Spallation Neutron Source - ESS - A Material Science Research Tool for the Next Millennium

Physikalisches Kolloquium, Univ. Krakau, Polen, Feb. 17, 2000

20.90.0

IKP-00-21-018

Goldenbaum, F.:

The European Spallation Source ESS: A next generation neutron source for Europe

XXXI. Arbeitstreffen Kernphysik in Schleching/Obb., März 8.-16., 2000

20.90.0

IKP-00-21-019

Goldenbaum, F. for the NESSI-Collaboration:

Models and Codes for Spallation Neutron Sources. Validation of Hadron-Nucleus Transport Models in the GeV Range

SARE-5/SATIF-5 Meeting, OECD-Headquarters, Paris, France, July 17-18,2000

20.90.0

IKP-00-21-020

Goldenbaum, F.; Enke, M.; Filges, D.; Galin, J.; Herbach, C.-M.; Hilscher, D.; Jahnke, U.; Letourneau, A.; Lott, B.; Neef, R.-D.; Nünighoff, K.; Paul, N.; Péghaire, A.; Pienkowski, L.; Schaal, H.; Schröder, U.; Sterzenbach, G.; Tietze, A.; Tishchenko, V.; Toke, J.; Wohlmuther, M.:

Validation of MC-Models of Spallation Reactions in Thin and Thick Targets in the GeV Range

MC2000, Int. Conf. on Advanced Monte Carlo for Radiation Physics, Particle Transport Simulation and Applications, Lissabon, Portugal, Oct. 23-26, 2000

20.90.0

IKP-00-21-021

Gotta, D.

Precision Spectroscopy of X-rays from Antiprotonic Atoms

Hydrogen Atom II: Precise physics of simple atomic systems (PSAS 2000),

Castiglione della Pescaia, Italy, 1st - 3rd June 2000

20.50.0

IKP-00-21-022

Gotta, D.

Pionic Hydrogen

VIII. International Oberjoch Meeting on Broken Symmetries and Meson-Nuclear Physics,
Oberjoch, Germany, 4 - 9 September 2000

20.50.0

IKP-00-21-023

Gotta, D.

Precision Determination of the π N s-wave Scattering Lengths from Pionic Hydrogen: A new Proposal at PSI

Seminar Institut für Theoretische Physik, Universität Bern, 18 January 2000

20.50.0

IKP-00-21-024

Haidenbauer J.

Mesonproduktion in der Nukleon-Nukleon Streuung

University of Graz, Austria, 21.6.2000

20.80.0

IKP-00-21-025

Haidenbauer J.

Description of the $a_0/f_0(980)$ Mesons with the Jülich Model

Workshop on " a_0 Physics with ANKE", ITEP, Moscow, Russia, 13.-14.7.2000

20.80.0

IKP-00-21-026

Hemmert T.R.

Nucleon Compton Scattering in Chiral Effective Theories

International Conference on "Conference Chiral Dynamics: Theory and Experiment", Newport News, USA, 17.-22.7.2000

20.80.0

IKP-00-21-027

Hemmert T.R.

Low Energy Spin Structure of The Nucleon beyond Leading Order

International Conference "GDH2000" Mainz, Germany, 14.-17.6.2000

20.80.0

IKP-00-21-028

Hilscher, D.; Herbach, C.-M.; Jahnke, U.; Tishchenko, V.; Enke, M.; Filges, D.; Goldenbaum, F.; Neef, R.-D.; Nünighoff, K.; Paul, N.; Schaal, H.; Sterzenbach, G.; Letourneau, A.; Böhm, A.; Galin, J.; Lott, B.; Péghaire, A.; Pienkowski, L.:

Helium Production for 0.8-2.5 GeV Proton Induced Spallation Reactions, Damage Induced in Metallic Window Materials

Int. Materials Workshop-4, Schruns, Österreich, Oct. 8-13, 2000

20.90.0

IKP-00-21-029

Ivanov I.

Diffractive Vector Meson Production in a Unified κ -Factorization Approach

8th International Workshop on Deep Inelastic Scattering and QCD-DIS2000", Liverpool, United Kingdom, 25.-30.4.2000

20.80.0

IKP-00-21-030

Ivanov I.

Anatomy of the Proton Structure Functions in κ - Factorization

8th International Workshop on Deep Inelastic Scattering and QCD-DIS2000", Liverpool, United Kingdom, 25.-30.4.2000

20.80.0

IKP-00-21-031

Kamerdzhev S.

Mechanisms of the Giant Resonance Excitations

IX Intern. Seminar "Electromagnetic Interactions of Nuclei at Low and Medium Energies", Moscow, Russia,

20.-22.9.2000

20.80.0

IKP-00-21-032

Kamerdzhev S.

On Two Mechanisms of Superfluidity in Atomic Nuclei

Workshop "New Perspective of Pairing Phenomena in Nuclear Systems", Trento, Italy, 31.1.-11.2.2000

20.80.0

IKP-00-21-033

Kilian, K.

Meson Baryon Systems and Interactions

16th Int. Conf. on Few-Body Problems in Physics, Taipei/Taiwan, 6.-10.3.2000

20.45.0

IKP-00-21-034

Kilian K.

New Results from COSY

Intern. Conference "Quark-Nuclear-Physics (QNP), Adelaide, Australia, 21.-25.2.2000

20.45.0

IKP-00-21-035

Kilian K.

Strangeness Production at COSY

Colloquium, University of Torino, Italy, 3.4.2000

20.45.0

IKP-00-21-036

Kilian K.

Associated Strangeness Production at COSY

VII Int. Conf. on "Hypernuclei and Strange Particle hysics", Torino, Italy, 23.-27.10.2000

20.45.0

IKP-00-21-037

Lieder R.M.

Gamma-Ray Tracking Arrays

Intern. School of Nuclear Physics, 22th Course, Radiactive Beams for Nuclear and Astrophysics, Erice, Italy, 21.9.2000

20.10.0

IKP-00-21-038

Krewald S.

Structure described by Meson-Baryon Dynamics

COSY-Workshop "Baryons Exitations", Forschungszentrum Jülich, Germany, 2.-3.5.2000

20.80.0

IKP-00-21-039

Krewald S.

What is the Structure of the Roper Resonance

3rd German-Taiwanese Symposium, Taipei, Taiwan, 3.-6.3.2000

20.80.0

IKP-00-21-040

Krewald S.

Meson Production in Hadronic Reactions

Conference "Fundamental and Applied Aspects of Modern Physics, Lüderitz, South Africa, 13.-17.11.2000

20.80.0

IKP-00-21-041

Kubis B.

Low Energy Analysis of the Nucleon Electromagnetic Form Factors

International Conference on "Conference Chiral Dynamics: Theory and Experiment", Newport News, USA, 17.-22.7.2000

20.80.0

IKP-00-21-042

Lieder R.M.

Overview of Present and Future Gamma-Ray Detectors

Workshop under the EU-TMR Tracking Project, Data Analysis School, Niels Bohr Institute, Copenhagen, Denmark, 16.10.2000

20.10.0

IKP-00-21-043

Lieder R.M.

Development of γ -Ray Tracking Detectors

EURISOL Town Meeting, Orsay, France, 7.11.2000

20.10.0

IKP-00-21-044

Lieder R.M.

Entwicklung von Gamma-Tracking Detektoren

Universität Bonn, Germany, 16.11.2000

20.10.0

IKP-00-21-045

Machner H.

Meson Production in p+d Reactions

XVII European Few Body Conf., Evora, Portugal, 11.-16.3.2000

20.45.0

IKP-00-21-046

Machner H.

Meson Production in p+d Reactions

Lüderitz 2000: Fundamental and Applied Aspects in Modern Physics, Lüderitz, South Africa, 13.-17.11. 2000

20.45.0

IKP-00-21-047

Machner H.

Meson Production in p+d Reactions

International Symposium on Nuclear Physics, Mumbai, India, 18.-22.12.2000

20.45.0

IKP-00-21-048

Magiera A. (for the GEM-Kollaboration)

Reaction Mechanisms and Isospin Symmetry breaking in the $p d \rightarrow {}^3\text{He} \pi^0 / {}^3\text{He} \pi^+$ Reactions

9th Int. Conference on "Nucelar Reaction Mechanisms, Varenna, Italy, 5.-9.6.2000

20.45.0

IKP-00-21-049

Meißner Ulf-G.

Chiral Nucleon Dynamics

German-Taiwanese Symposium on "The Structure of the Nucleon", Taipeh, Taiwan, 3.-6.4.2000

20.80.0

IKP-00-21-050

Meißner Ulf-G.

The Nucleon-Nucleon Interaction from Effective Field Theory

XVIth International Conference on "Few-Body Problems in Physics", Taipeh, Taiwan, 6.-10.3. 2000

20.80.0

IKP-00-21-051

Meißner Ulf-G.

The Spin Polarizabilities of the Nucleon and Related Aspects

International Conference "GDH2000", Mainz, Germany, 14.-17.6.2000

20.80.0

IKP-00-21-052

Meißner Ulf-G.

Goldstone Boson-Nucleon Dynamics: Theory Summary

International Conference on "Conference Chiral Dynamics: Theory and Experiment", Newport News, USA, 17.-22.7.2000

20.80.0

IKP-00-21-053

Meißner Ulf-G.

2N, 3N and 4N Systems from a Chiral Effective Field Theory

International Conference on "Conference Chiral Dynamics: Theory and Experiment", Newport News, USA, 17.-22.7.2000

20.80.0

IKP-00-21-054

Meißner Ulf-G.

Low Energy Analysis of the Nucleon Electromagnetic Form Factors

Gordon Research Conference on "Photonuclear Physics", Tilton, USA, July 2000

20.80.0

IKP-00-21-055

Meißner Ulf-G.

Chiral Dynamics with Strange Quarks

Lectures delivered at the "17th Students' Workshop on Electromagnetic Interactions", Bosen, Germany, 3.-8.9.2000

20.80.0

IKP-00-21-056

Mihaiescu L.

Principles and Methods for Gamma-Ray Tracking with Large Volume Ge Detectors

Universität Bonn, Germany,

20.11.2000

20.10.0

IKP-00-21-057

Nikolaev N.N.

Small-x Structure Functions and QCD Pomeron

International Workshop QCD-2000, Villefranche-sur-Mer, France, January 2000

20.80.0

IKP-00-21-058

Nikolaev N.N.

Anatomy of the BFKL Gluon Distributions at Small x

International Workshop "Evolution Equations and Lightcone QCD", Gatchina, Russia, April 2000

20.80.0

IKP-00-21-059

Nikolaev N.N.

Diffractive Vector Mesons in DIS: Meson Structure and QCD

VI International Workshop on Production, Properties and Interaction of Mesons "MESON2000", Krakow, Poland, 19.-23.5.2000

20.80.0

IKP-00-21-060

Nikolaev N.N.

Helicity Properties of Deep Inelastic Scattering at Small x

Annual Conference Landau Days-2000, Moscow, Russia, June 2000

20.80.0

IKP-00-21-061

Nikolaev N.N.

Color Transparency

International Workshop Diffraction-2000, Cetaro, Italy, September 2000

20.80.0

IKP-00-21-062

Nikolaev N.N.

Diffraction Cone in QCD: To Shrink or not to Shrink?

2nd THERA-Meeting, DESY, Hamburg, Germany, 14.4.2000

20.80.0

IKP-00-21-063

Nikolaev N.N.

Spin Dependence of Diffractive DIS

Workshop "Spin in DIS", Dubna, Russia, December 2000

20.80.0

IKP-00-21-064

Oller J.A.

Scalar Mesons and Chiral Symmetry

YITP Workshop on "Possible Existence of the Sigma Meson and its Implications to Hadron Physics (sigma-meson 2000)", Kyoto, Japan, 12.-14.6.2000

20.80.0

IKP-00-21-065

Oller J.A.

Chiral Unitary Approach to Pion-Nucleon Scattering

International Conference on "Conference Chiral Dynamics: Theory and Experiment", Newport News, USA, 17.-22.7.2000

20.80.0

IKP-00-21-066

Schäfer W.

Diffractive Structure Function at Very Small Beta and Unitary Corrections in the Colour Dipole Approach

8th International Workshop on Deep Inelastic Scattering and QCD-DIS2000", Liverpool, United Kingdom, 25.-30.4.2000

20.80.0

IKP-00-21-067

Schnase, A.

Cavities with a swing

Lecture given at 9th May at CERN Accelerator School, RF Engineering for particle accelerators, Lufthansa Training Center, Seeheim, 8-16 May 2000

20.30.0

IKP-00-21-068

Schnase, A.

Hardware R&D (conventional rf) and Applications: Signal synthesis, synthesizer Hardware, Board-Level Design, Chip-Design

3-rd FFAG 2000 Workshop, 12.10.00 Tsukuba, Japan
20.30.0

IKP-00-21-069

Speth J.

Effects of Channel Coupling in Hadron Spectroscopy

Intern. Conference "Quark-Nuclear-Physics (QNP)", Adelaide, Australia, 23.2.2000
20.80.0

IKP-00-21-070

Speth J.

See-Quark Verteilungen im Proton

Universität Dortmund, Germany, 30.5.2000
20.80.0

IKP-00-21-071

Speth J.

Pions in Hadron Physics

VI International Workshop on Production, Properties and Interaction of Mesons "MESON2000",
Krakow, Poland, 19.-23.5.2000
20.80.0

IKP-00-21-072

Speth J.

Scientific Approach to Stock Market Dynamics

Westdeutsche Landesbank Luxembourg, Luxembourg, 6.11.2000
20.80.0

IKP-00-21-073

Ströher, H.

Experiments on the Nucleon with Real Photons

Kolloquium PSI (Schweiz), 21 January 2000
20.45.0

IKP-00-21-074

Ströher, H.

Hadron Physics with Cooled Proton Beams

Kolloquium TU München, 15 February 2000
20.45.0

IKP-00-21-075

Ströher, H.

Threshold Meson Production with Electromagnetic and Hadronic Probes

Int. Conf. on "Quark Nuclear Physics", Adelaide (Australia), 22 February 2000
20.45.0

IKP-00-21-076

Ströher, H.

Strangeness Production with Strong Probes

Workshop on "Open Strangeness at MAMI C", Mainz, 16 March 2000
20.50.0

IKP-00-21-077

Ströher, H.

Measurement of Neutral Decays of N*'s at COSY

Workshop on "Baryon Excitations", Jülich, 2 May 2000
20.45.0

IKP-00-21-078

Ströher, H.

Meson Production with Various Probes

Workshop "MESON 2000", Cracow (Poland), 23 May 2000

20.45.0

IKP-00-21-079

Ströher, H.

Meson Photoproduction with TAPS at MAMI

IX Seminar "Electromagnetic Interactions of Nuclei at Low and Medium Energies, Moscow, Russia,
21 Sept. 2000

20.50.0

IKP-00-21-080

Ströher, H.

Connecting AGOR and COSY Physics

AGOR Users Meeting, Groningen, The Netherlands, 9 Nov. 2000

20.45.0

IKP-00-21-081

Ströher, H.

Hadron Physics with Electromagnetic and Hadronic Probes

8th Nat. Symp. On "Frontiers in Physics", Lahore, Pakistan, 21 Nov. 2000

20.45.0

IKP-00-21-082

Tietze, A.; Neef, R.-D.; Filges, D.; Goldenbaum, F.; Nünighoff, K.; Paul, N.; Pohl, Ch.; Schaal, H.;
Sterzenbach, G.:

MC-Simulation of Spallation Induced Reactions on Lead and Mercury Targets up to 24 GeV

MC2000, Int. Conf. on Advanced Monte Carlo for Radiation Physics, Particle Transport Simulation
and Applications, Lissabon, Portugal, Oct. 23-26, 2000

20.90.0

IKP-00-21-083

Tietze-Jaensch, H.; Conrad, H.; Dietrich, J.; Filges, D.; Haft, B.; Hansen, G.; Maier, R.; Paul, N.;
Pohl, C.; Prasuhn, D.; Smirnov, A.; Stelzer, K.; Ullmaier, H. and the international JESSICA
Collaboration:

JESSICA, the ESS-like Target/Reflector Mock-Up and Cold Moderator Test Facility

ICANS-XV, 15th Meeting of the Int. Collaboration on Advanced Neutron Sources, Tsukuba, Japan,
Nov. 6-9, 2000

20.90.0

IKP-00-21-084

Wirzba A.

Cooper-Mesons in the Color-Flavor-Locked Superconducting Phase of Dense QCD

Workshop "Structure of the Nucleus at the Dawn of the Century, Bologna, Italy, 29.5.-3.6.2000

20.80.0

IKP-00-21-085

Zychor, I. for the ANKE collaboration

Study of Medium Modifications with the New Spectrometer ANKE at COSY-Jülich

Proc. XXVIth Mazurian Lakes School of Physics, Sept. 1 - 11, 1999, Krzyze, Poland,
Acta Phys. Polonica B, 31, (2000) 357

20.45.0

Conference Contributions

IKP-00-22-001

Baru V.

FSI Effects in Meson Production in NN-Collisions

VI International Workshop on Production, Properties and Interaction of Mesons "MESON2000", Krakow, Poland, 19.-23.5.2000

20.80.0

IKP-00-22-002

Baur G.

Indirekte Methoden in der nuklearen Astrophysik: Coulombaufrüttung und Trojan-Horse-Methode

DPG Frühjahrstagung, Dresden, Germany, 20.-24.3.2000

20.80.0

IKP-00-22-003

Baur G.

Wechselwirkung von Pionium mit Materie

DPG Frühjahrstagung, Dresden, Germany, 20.-24.3.2000

20.80.0

IKP-00-22-004

Baur G.

Elektromagnetische Produktion von e+e-Paaren in peripheren Stößen von Schwerionen

DPG Frühjahrstagung, Dresden, Germany, 20.-24.3.2000

20.80.0

IKP-00-22-005

Baur G.

Elektromagnetische Wechselwirkungen in hochenergetischen Kern-Kern-Stößen: von RHIC über LHC zur kosmischen Strahlung

Forschungszentrum Karlsruhe, Germany, 15.3.2000

20.80.0

IKP-00-22-006

Baur G.

Astrophysical Reaction Cross-Sections and Problems with Indirect Methods Revisited

University of Catania, Italy, 12.5.2000

20.80.0

IKP-00-22-007

Baur G.

Photon-Hadron-Physik an relativistischen Hadron-Collidern

CANU-Meeting, Bad Honnef, Germany, 18.-19.12.2000

20.80.0

IKP-00-22-008

Bongardt, K.

Design Considerations and Beam Dynamics Results for an ESS Linac

ESS Accelerator R&D Meeting, Consener's House, Abington, 14.11.00

20.91.0

IKP-00-22-009

Bräutigam, W.

F+E Arbeiten zur Entwicklung supraleitender Beschleunigerkomponenten für den ESS-Linac

ESS-Treffen, Simonskall, 17.-18.04.00

20.91.0

IKP-00-22-010

Bräutigam, W.

Experimental Results with the SC Test Module

ESS Accelerator R&D Meeting, Consener's House, Abington, 14.11.00

20.91.0

IKP-00-22-011

Büscher, M.

Measurement of Subthreshold K^+ -Production in pA Collisions with ANKE,

Workshop MESON 2000, Cracow, Poland, 19 - 23 May 2000

20.45.0

IKP-00-22-012

Büscher, M.

Status of ANKE and Planned Measurements on $pp \rightarrow d\alpha_0^\pm$,

Workshop on a^0 Physics with ANKE, Moscow, Russia, 13 - 14 July 2000

20.45.0

IKP-00-22-013

Büscher, M.

K^+ -Produktion in Proton-Kern-Stößen mit ANKE

18. CANU Arbeitstreffen, 18 - 19 December 2000, Bad Honnef

20.45.0

IKP-00-22-014

Dietrich, J.

Kicker-Extraktion an COSY

Winterseminar des Institutes für Angewandte Physik der J.W.Goethe-Universität Frankfurt/Main,
27.2.-4.3.2000, Riezlern

20.30.0

IKP-00-22-015

Elster Ch.

Few-Body Calculations - An Approach without Partial Waves

DPG Frühjahrstagung, Dresden, Germany,

20.-24.3.2000

20.80.0

IKP-00-22-016

Elster Ch.

Nucleon-Nucleon Scattering in a Three-Dimensional Approach

XVII European Conference on "Few-Body Problems in Physics", Evora, Portugal, 11.-16.9.2000

20.80.0

IKP-00-22-017

Elster Ch.

Faddeev Calculations without Partial Wave Decomposition

University of Lissabon, Portugal, January 2000

20.80.0

IKP-00-22-018

Elster Ch.

Faddeev Calculations without Partial Wave Decomposition at Higher Energies

University of Bonn, Germany, February 2000

20.80.0

IKP-00-22-019

Elster Ch.

Towards Faddeev Calculations at Intermediate Energies

GSI Darmstadt, Germany, June 2000

20.80.0

IKP-00-22-020

Felden, O.

Das Atomstrahltarget

EDDA-Kollabortionstreffen, Hamburg, 13.-14.09.00

20.35.0

IKP-00-22-021

Felden, O.

Commissioning of a superconducting accelerating structure

ESS-Treffen, Simonskall, 17.-18.04.00

20.91.0

IKP-00-22-022

Fettes N.

Pion-Nucleon Scattering in Chiral Perturbation Theory

CALTECH, Kellogg Radiation Laboratory, Pasadena, USA, 25.2.2000

University of Washington, Seattle, USA, 12.4.2000

20.80.0

IKP-00-22-023

Gasparian A.

Λ und Σ Production in pp-collisions near threshold

17th Students Workshop on Electromagnetic Interactions Bosen, Germany, 3.-8.9.2000

20.80.0

IKP-00-22-024

Gast W.

High-Sin Isomers in Neutron-rich Yb Isotopes

Workshop "Physics with EUROBALL Detectors at GSI", Darmstadt, Germany, 23.11.2000

20.10.0

IKP-00-22-025

Gast W.

Gamma-Ray Tracking - A new Detector Concept for Nuclear Spectroscopy

Nato Advanced Study Institute, "Nuclei far from Stability and Astrophysics, Predeal, Romania,

7.9.2000

20.10.0

IKP-00-22-026

Gebel, R.

Status der polarisierten Quelle an COSY

EDDA-Kollabortionstreffen, Hamburg, 13.-14.09.00

20.35.0

IKP-00-22-027

Gebel, R.

Der polarisierte COSY-Strahl

CANU Arbeitstreffen Bad Honnef, 18-19.12.00

20.38.0

IKP-00-22-028

Gillitzer A.

N* Excitations in p- α Scattering

COSY-Workshop "Baryons Exitations", Forschungszentrum Jülich, Germany, 2.-3.5.2000

20.45.0

IKP-00-22-029

Gillitzer A.

Deeply Bound Pionic States in Pb

Workshop "MESON2000", Krakow, Poland, 19.-23.5.2000

20.45.0

IKP-00-22-030

Goldenbaum, F.:

Presentation of the European Spallation Source project.

Conference on Research Infrastructures Palais des Congres et de la Musique of Strasbourg, Strasbourg, France, Sept. 18.-20., 2000

20.90.0

IKP-00-22-031

Goldenbaum, F. for the NESSI-Collaboration:

Die Prüfung von Simulationsprogrammen anhand von NESSI-Daten

18. CANU-Arbeitstreffen (COSY-Arbeitsgemeinschaft Nordrhein-Westfälischer Universitäten),

Physikzentrum Bad Honnef, Dez. 18.-19, 2000

20.48.0

IKP-00-22-032

Gotta, D.

Precision Measurement of the Charged Pion Mass. Outlook to the Pionic Hydrogen

Experiment

Status report PSI experiments R-97.02 and R-98.01

PSI, Villigen, Schweiz, 26 June 2000

20.50.0

IKP-00-22-033

Gotta, D.

Protonium X-ray Spectroscopy

ASACUSA collaboration meeting, 28 - 29 Nov. 2000, CERN, Genf, Schweiz

20.50.0

IKP-00-22-034

Haidenbauer J.

Near Threshold Λ und Σ^0 Production in pp Collisions

3rd Chinese-German Symposium on Medium Energy Physics, Taipeh, Taiwan, 3.-6.3.2000

XVIth International Conference on Few-Body Problems in Physics, Taipeh, Taiwan, 6.-10.3.2000

20.80.0

IKP-00-22-035

Haidenbauer J.

Mesonproduktion in Nukleon-Nukleon Kollisionen

DPG Frühjahrstagung, Dresden, Germany,

20.-24.3.2000

20.80.0

IKP-00-22-036

Haidenbauer J.

The Reactions $p\bar{n} \rightarrow d\omega$ and $p\bar{n} \rightarrow d\phi$ and the Role of the OZI Rule

XVII European Conference on Few-Body Problems in Physics, Evora, Portugal, 11.-16.9.2000

20.80.0

IKP-00-22-037

Hejny, V.

Ein Photonendetektor für COSY

18. CANU Arbeitstreffen, 18 - 19 December 2000, Bad Honnef

20.45.0

IKP-00-22-038

Hennebach, M.

Mass of the Charged Pion

MESON 2000, Krakau

20.50.0

IKP-00-22-039

Herbach, C.-M.; Filges, D.; Enke, M.; Galin, J.; Goldenbaum, F.; Hilscher, D.; Jahnke, U.; Letourneau, A.; Lott, B.; Neef, R.-D.; Nünighoff, K.; Paul, N.; Péghaire, A.; Pienkowski, L.; Pohl, C.; Schaal, H.; Schröder, U.; Sterzenbach, G.; Tietze, A.; Tishchenko, V.; Toke, J.; Wohlmuther, M.:
p(GeV)+A-Spallation Reactions in Experiment and Simulation and Neutron Production by 0.4-2.5 GeV Proton Beams on Thick W, Hg and Pb Targets

64. Physikertagung Dresden, Verhandl. DPG (VI) 35, 239 (2000), Dresden, März 20.-24., 2000

20.90.0

IKP-00-22-040

Hesselbarth D.

Λ -Produktion an TOF

CANU-Meeting, Bad Honnef, Germany, 18.-19.12.2000

20.45.0

IKP-00-22-041

Kamerdzhiev S.

News on Pairing Phenomena in Nuclear Systems

IPPE Obninsk, Russia, 11.4.2000

20.80.0

IKP-00-22-042

Kamerdzhiev S.

On Superfluidity of Atomic Nuclei

IPPE Obninsk, Russia,

20.4.2000

20.80.0

IKP-00-22-043

Kamerdzhiev S.

Some new Aspects of Superfluidity in Finite Fermi Systems

INP Orsay, France, 8.11.2000

20.80.0

IKP-00-22-044

Kamerdzhiev S.

Some new Aspects of Superfluidity in Fermi Systems

University of Rostock, Germany, 14.11.2000
20.80.0

IKP-00-22-045

Khoukaz A. (for the COSY-11 Collaboration)

Near Threshold Heavy Meson Production in pp- and pd-Collisions at the Experiment COSY-11

International Workshop XXVIII on Gross Properties of Nuclei and Nuclear Excitations, Hirschegg, Austria, 16.-22.1.2000
20.50.0

IKP-00-22-046

Khoukaz A. (for the COSY-11 Collaboration)

Schwellennahe Mesonenproduktion an COSY-11

DPG-Frühjahrstagung, Dresden, Germany, 20.-24.3.2000,
20.50.0

IKP-00-22-047

Kilian, K.

New Experimental Results from COSY

Int. Conf. on Quark Nuclear Physics, Adelaide/Australia, 21.-25.2.2000
20.45.0

IKP-00-22-048

Kilian K.

Study of Hyperon Resonances with TOF

COSY-Workshop "Baryons Excitations", Forschungszentrum Jülich, Germany, 2.-3.5.2000
20.45.0

IKP-00-22-049

Klimala W.

Meson Production in p+d Reactions

DPG Frühjahrstagung, Dresden, Germany, 20.-24.3.2000
20.45.0

IKP-00-22-050

Krewald S.

What is the Structure of the Roper Resonance?

The George Washington University, Washington, USA, 11.2.2000
20.80.0

IKP-00-22-051

Krewald S.

The GAMS-BNL Puzzle

16th IUPAP International Conference on "Few-Body Problems in Physics", Taipei, Taiwan, 6.-10.3.2000
20.80.0

IKP-00-22-052

Kubis B.

Hyperon Form Factors in Chiral Perturbation Theory

17th Students Workshop on Electromagnetic Interactions Bosen, Germany, 3.-8.9.2000
20.80.0

IKP-00-22-053

Lieder R.M.

The TMR network project "Development of Gamma-Ray Tracking Detectors"

DPG Frühjahrstagung, Dresden, Germany, 20.-24.3.2000
20.10.0

IKP-00-22-054
Lieder R.M.

Study of Quadrupole Moments of Superdeformed Bands in ^{145}GD

DPG Frühjahrstagung, Dresden, Germany,
20.-24.3.2000
20.10.0

IKP-00-22-055
Lieder R.M.

Introduction of the γ -Ray Tracking Detector Project

TMR User Meeting on "Gamma-Ray Tracking Detectors", Köln, Germany, 13.6.2000
20.10.0

IKP-00-22-056
Lieder R.M.

The TMR network project "Development of Gamma-Ray Tracking Detectors"

Int. Conf. on "Nuclear Structure 2000", East Lansing, USA, 17.8.2000
20.10.0

IKP-00-22-057
Lorentz, B.
Kernpolarisation von Wasserstoff- und Deuterium-Molekülen
CANU Arbeitstreffen Bad Honnef, 18-19.12.00
20.35.0

IKP-00-22-058
Machner H.
Introduction to BIG KARL Physics-Brainstorming
Physics with BIG KARL, Forschungszentrum Jülich, Germany, 10.-12.4.2000
20.45.0

IKP-00-22-059
Martin, S.
Anmerkungen zur physikalisch / technischen Auslegung des Hochenergieteils eines SC-Linac's
ESS-Treffen, Simonskall, 17.-18.04.00
20.91.0

IKP-00-22-060
Martin, S.
SC-Linac Costing Methods
ESS Accelerator R&D Meeting, Consener's House, Abington, 14.11.00
20.91.0

IKP-00-22-061
Marwinski S.
Erste Resultate zur η -Produktion an TOF
CANU-Meeting, Bad Honnef, Germany, 18.-19.12.2000
20.45.0

IKP-00-22-062
Mihailescu L.
Decomposition of Multiple Interactions based on Wavelet Transform
TMR User Meeting on "Gamma-Ray Tracking Detectors", Köln, Germany, 13.6.2000

20.10.0

IKP-00-22-063

Mihairescu, L.

Gamma-Ray Imaging with Large Volume Ge Detectors

2nd International Workshop on "Radiation Imaging Detectors", Freiburg, Germany, 3.7.2000
20.10.0

IKP-00-22-064

Morsch H.-P.

Structure of the P₁₁(1440 MeV) Resonance from α -p and π -N-Scattering

COSY-Workshop "Baryons Excitations", Forschungszentrum Jülich, Germany, 2.-3.5.2000
20.45.0

IKP-00-22-065

Morsch H.-P.

What is the Structure of N* Resonances?

CANU-Meeting, Bad Honnef, Germany, 18.-19.12.2000
20.45.0

IKP-00-22-066

Oelert W.

Antimaterie - Physik im Spiegelbild

Universität Köln, Germany, 25.01.2000
20.50.0

IKP-00-22-067

Oelert W.

Antimaterie - Physik im Spiegelbild

Universität Tübingen, Germany, 9.2.2000
20.50.0

IKP-00-22-068

Oelert W.

Materie und Marylin

Theresien-Gymnasium Ansbach, Forschungszentrum Jülich, Germany, 15.3.2000
20.50.0

IKP-00-22-069

Oelert W.

Antimaterie - Die gespiegelte Materie als Antrieb zur Grundlagenforschung

Reise zum Urknall, Physik 2000, Urania, Berlin, Germany, 7.4.2000
20.50.0

IKP-00-22-070

Oelert W.

Antimaterie - Ein Antrieb zur Grundlagenforschung Ringvorlesung: Wasserstoff

Saturday morning physics, Ruhr-Universität Bochum, Germany, 29.4.2000
20.50.0

IKP-00-22-071

Oelert W.

Antimaterie - Die gespiegelte Materie als Antrieb zur Grundlagenforschung

2000 - Das Jahr der Physik, Die Reise zum Urknall, DESY-Hamburg EXPO-2000, Germany,
8.6.2000
20.50.0

IKP-00-22-072

Oelert W.

Associated Strangeness Production at COSY-11

Oberjoch-Meeting, Universität Tübingen, Germany, 7.9.2000

20.50.0

IKP-00-22-073

Oelert W.

Materie aus Antimaterie: Die Erzeugung von Antiwasserstoffatomen

URANIA-Reihe 100 Jahre Quantentheorie, 17.10.2000

20.50.0

IKP-00-22-074

Oelert W.

Antimaterie - Materie aus Antiteilchen

Universität Stuttgart, Germany, 5.12.2000

20.50.0

IKP-00-22-075

Prasuhn, D.

COSY: Status und Zukunft

CANU Arbeitstreffen Bad Honnef, 18-19.12.00

30.30.0

IKP-00-22-076

Roderburg E.

Measurement of the η -Production in Proton-Proton Collisions with the COSY-TOF-Spectrometer

Workshop "MESON 2000", Krakow, Poland, 19.-23.5.2000

20.45.0

IKP-00-22-077

Roderburg E.

Physik mit dem Flugzeitspektrometer an COSY

Universität Bonn, Germany, 25.5.2000

20.45.0

IKP-00-22-078

Schäfer W.

Diffractive Structure Function at Very Small Beta

2nd THERA-Meeting, DESY, Hamburg, Germany, 14.4.2000

20.80.0

IKP-00-22-079

Schäfer W.

Inclusive Production of Forward Neutrons and the Pionic Content of the Nucleon

VI International Workshop on Production, Properties and Interaction of Mesons "MESON2000", Krakow, Poland, 19.-23.5.2000

20.80.0

IKP-00-22-080

Schleichert, R.

Vertex-Rekonstruktion und Spektator-Detektion an ANKE

18. CANU Arbeitstreffen, 18 - 19 December 2000, Bad Honnef

20.45.0

IKP-00-22-081

Schnase, A.

Pulsed Mode Operation of a Superconducting Cavity

ESS-Treffen, Simonskall 17.04.00,

20.91.0

IKP-00-22-082

Schneider S.

The Reaction $\pi^- N \rightarrow \pi\pi^- N$ in the Framework of a Meson Exchange Model

VI International Workshop on Production, Properties and Interaction of Mesons "MESON2000",

Krakow, Poland, 19.-23.5.2000

20.80.0

IKP-00-22-083

Schneider S.

Zwei-Pionenproduktion in hadronischen Prozessen am Nukleon

CANU-Meeting, Bad Honnef, Germany, 18.-19.12.2000

20.80.0

IKP-00-22-084

Schwiete G.

Higher Order Coulomb Corrections to the Primakoff Measurement of the π^0 Lifetime

VI International Workshop on Production, Properties and Interaction of Mesons "MESON2000",

Krakow, Poland, 19.-23.5.2000

20.80.0

IKP-00-22-085

Stassen, R.

Aufbau des HF-Testsystems und erste Messungen am SC-Testmodul

ESS-Treffen, Simonskall, 17.-18.04.00

20.91.0

IKP-00-22-086

Stassen, R.

FZ-Jülich activities

Workshop on R&D on Superconducting Proton Linac, Saclay, Frankreich

20.91.0

IKP-00-22-087

Quentmeier C. (for the COSY-11 Collaboration)

Untersuchung der Reaktion $pp \rightarrow ppK^+K^-$ nahe der Produktionsschwelle am

Experimentaufbau COSY-11

DPG Frühjahrstagung, Dresden, Germany, 20.-24.3.2000

20.50.0

IKP-00-22-088

Walz M.

Isospin Violation in the Two-Nucleon System

VI International Workshop on Production, Properties and Interaction of Mesons "MESON2000",

Krakow, Poland, 19.-23.5.2000

20.80.0

IKP-00-22-089

Walz M.

Ein effektives Nukleon-Nukleon Potential in chiraler Feldtheorie

CANU-Meeting, Bad Honnef, Germany, 18.-19.12.2000

20.80.0

IKP-00-22-090

Wintz P.

Status of Muon Electron Conversion at PSI

Workshop on "New Initiatives in Lepton Flavor Violation and Neutrino Oscillations with Very Intense Muon and Neutrino Sources"

University of Hawaii, USA, 2.-6.10.2000

20.45.0

IKP-00-22-091

Wolke M. (for the COSY-11 Collaboration)

Hyperon Production at the COSY-11 Facility

International Workshop XXVIII on Gross Properties of Nuclei and Nuclear Excitations,

Hirschegg,Austria, 16.-22.1.2000

20.50.0

IKP-00-22-092

Wolke M. (for the COSY-11 Collaboration)

Exclusive Strangeness Production in Proton-Proton Scattering at COSY

17. Students' Workshop on Electromagnetic Interactions, Sonderforschungsbereich 443

'Vielkörperstruktur stark wechselwirkender Systeme' der Deutschen Forschungsgemeinschaft (DFG), Bosen (Saar), Germany, September 2000

20.50.0

IKP-00-22-093

Wolke, Magnus

Hyperon Production at the COSY-11 Facility

Int. Workshop XXVIII on Gross Properties of Nuclei and Nuclear Excitations, Hirschegg 2000:

Hadrons in Dense Matter, Hirschegg, 16.-22.1.1999

20.50.0

IKP-00-22-0941

Wolke, Magnus

Exclusive strangeness production in proton-proton scattering at COSY

Students` Workshop on Electromagnetic Interaction, Bosen (Saar), 3.-8.9.2000

20.50.0

IKP-00-22-095

Zaplatin, E.

Superconducting Accelerating Structures

ESS-Treffen, Simonskall, 17.-18.04.00

20.91.0

[Journals](#), [Proceedings & Reports](#), [Invited Talks](#), [Conference Contributions](#), [Posters](#),
[Patents & Applications for Patents](#), [Lectures at Universities](#)

Poster

IKP-00-23-001

Ackens, A., Clemens, U., Gorke, H., Gotta, D., Holl, P., Loevenich, H., Maeckelburg, D., Ramm, M., Strüder, L., von Zanthier, C., Simons, L. M., Zwoll, K.

A high-rate X-ray detector for exotic-atom spectroscopy

DPG Spring meeting, Dresden, 20 - 24 March 2000

20.50.0

IKP-00-23-002

Anagnostopoulos, D., Augsburger, M., Borchert, G., Chatellard, D., El-Khoury, P., Egger, J.-P., Gotta, D., Hauser, P., Hennebach, M., Engels, R., Emmerich, R., Ley, J. and Paetz gen. Schieck, H. für die ANKE-Kollaboration

Aufbau und erste Tests eines Lambshiftpolarimeters für das polarisierte Target an ANKE/COSY

DPG Spring meeting, Dresden, 20 - 24 March 2000

20.50.0

IKP-00-23-003

Bräutigam, W.; Brings, R.; Gebel, R.; Rindfleisch, U.

Recent Investigations at the COSY Injector Cyclotron

ECPM XXXII, Berlin

20.-23.9.2000

20.30.0

IKP-00-23-004

Dietrich, J.; Bojowald, J.; Labus, H.; Lawin, H.; Mohos, I.

Beam Instrumentation for fast Kicker Extraktion at COSY-Jülich

9th Beam Instrumentation Workshop, Boston, May 8-11, 2000

20.35.0

IKP-00-23-005

Eßer, R., Hennebach, M. and Koch, H. R. for the ANKE collaboration

Kaon-pion separation at ANKE with differential Cherenkov detectors

DPG Spring meeting, Dresden, 20 - 24 March 2000

20.45.0

IKP-00-23-006

Gast W., Lieder R.M., Mihailescu L., Rossewij M.J.

Digital Signal Processing for γ -Ray Tracking based on PPADC Hardware

DPG Frühjahrstagung, Dresden, Germany, 20.-24.3.2000

20.10.0

IKP-00-23-007

Gast W., Lieder R.M., Mihailescu L., Rossewij M.J., Brands H., Georgiev A., Stein J., Kröll Th.

Digital Signal Processing and Algorithms for Gamm-Ray Tracking

IEEE Nuclear Science Symp. and Medical Imaging Conf., Lyon, France, 17.10.2000

20.10.0

IKP-00-23-008

Hartmann, M., Drochner, M., Erven, W., Watzlawik, K.-H., Wuestner, P. and Zwoll, K. for the ANKE collaboration

The ANKE Data Acquisition System

DPG Spring meeting, Dresden, 20 - 24 March 2000

20.45.0

IKP-00-23-009

Indelicato, P., Kirch, K., Lenz, S., Liu, Y.-W., Manil, B., Nelms, N., Siems, Th., and Simons, L. M.

Charged Pion Mass Determination and Energy-Calibration Standards based on Pionic X-ray Transitions

Hydrogen Atom II: Precise physics of simple atomic systems (PSAS 2000) Castiglione della Pescaia, Italy, 1st - 3rd June 2000

20.45.0

IKP-00-23-010

Junghans, H. for the ANKE collaboration

Determination of double differential cross sections for subthreshold K⁺ production at ANKE

DPG Spring meeting, Dresden, 20 - 24 March 2000
20.45.0

IKP-00-23-011

Lehmann, I., Barsov, S., Dewald, A., Merzliakov, S., Mussgiller, A., Protic, D., Schleichert, R. and Steinert, C. for the ANKE collaboration

Silicon Detectors for low energetical Spectator-Proton and Luminosity Measurements at ANKE

DPG Spring meeting, Dresden, 20 - 24 March 2000
20.45.0

IKP-00-23-012

Lieder R.M., Rzaca-Urban T., Brands H., Gast W., Jäger H.M., Mihailescu L., Pytel Z., Urban W., Morek T., Droste Chr., Chmel S., Bazzacco D., Falconi G., Menegazzo R., Lunardi S., Rossi Alvarez C., de Angelis, G., Farnea E., Gadea A., Napoli D.R., Podolyak Z.

Study of Oblate Dipole and Triaxial Quadrupole Bands in ¹⁴²Gd with EUROBALL

DPG Frühjahrstagung, Dresden, Germany, 20.-24.3.2000
20.10.0

IKP-00-23-013

Lieder R.M., Rzaca-Urban T., Brands H., Gast W., Jäger H.M., Mihailescu L., Pytel Z., Urban W., Morek T., Droste Chr., Chmel S., Bazzacco D., Falconi G., Menegazzo R., Lunardi S., Rossi Alvarez C., de Angelis, G., Farnea E., Gadea A., Napoli D.R., Podolyak Z.

Investigation of Magnetic Rotation in ¹⁴²Gd with EUROBALL,

Int. Conference on Nuclear Structure 2000, East Lansing, USA, 16.8.2000
20.10.0

IKP-00-23-014

Mihailescu L., Gast W., Lieder R.M., Rossewij M.J.

On-line Pulse Shape Analysis Algorithms for γ -Ray Tracking

DPG Frühjahrstagung, Dresden, Germany,
20.-24.3.2000
20.10.0

IKP-00-23-015

Mosbacher C.A.

Study of $\Delta\Delta$ Excitations in the Reaction n+p → d+ $\pi\pi$

Posterbeitrag, Conference "BARYONS98", Bonn, Germany, 22.-26.9.1998
20.80.0

IKP-00-23-016

Moskal P. (for the COSY-11 Collaboration

η and η' -Meson Production at COSY-11

DPG Frühjahrstagung, Dresden, Germany, 20.-24.3.2000, Verhandlungen der DPG (VI) 35, 229 (2000), HK 15.9
20.45.0

IKP-00-23-017

Mussgiller, A., Barsov, S., Lehmann, I., Merzliakov, S., Protic, D. and Schleichert, R. for the ANKE collaboration

Selftriggering Frontend Chips for the ANKE Vertex Detector

DPG Spring meeting, Dresden, 20 - 24 March 2000
20.45.0

IKP-00-23-018

Protic, D.; Stöhlker, Th.; Beyer, H.F.; Bojowald, J.; Borchert, G.; Gumberidze, A.; Hamacher, A.; Ma, X.; Mohos, I.:

A Micro-Strip Germanium Detector for Position Sensitive X-Ray Spectroscopy

2000 IEEE Nuclear Science Symposium and Medical Imaging Conference, Lyon, France, Oct. 15-20, 2000
20.20.0

IKP-00-23-019

Schleichert, R., Barsov, S., Lehmann, I., Merzliakov, S., Mussgiller, A. and Protic, D. for the ANKE collaboration

Development of a Vertex Detector for the ANKE Spectrometer

DPG Frühjahrstagung, Dresden, 20 - 24 March 2000
20.45.0

IKP-00-23-020

Schneider, Ch., Müller, H. für die ANKE-Kollaboration

Vergleich erster Ergebnisse zur K⁺ Messung an ANKE mit Modellrechnungen

DPG Frühjahrstagung, Dresden, 20 - 24 March 2000
20.45.0

[Journals](#), [Proceedings & Reports](#), [Invited Talks](#), [Conference Contributions](#), [Posters](#),
[Patents & Applications for Patents](#), [Lectures at Universities](#)

Patents

IKP-00-31-001

Bert M., Eberth J., Jäger H.M., Kämmerling H., Lieder R.M., Renftle W.

Kapsel für einen im Ultrahochvakuum arbeitenden Detektor

Europäisches Patent Nr. 0710364, erteilt am
20.9.2000 PT: 1.1149
20.10.0

Application for Patents

IKP-00-32-001

Labus H.

Verfahren zur Ermittlung der absoluten Intensität hochenergetischer Ionenstrahlung

DE: 100 20 582.8-52 (28.04.2000) PT: 1.1787 04000319

[Journals](#), [Proceedings & Reports](#), [Invited Talks](#), [Conference Contributions](#), [Posters](#),
[Patents & Applications for Patents](#), [Lectures at Universities](#)

Lectures at Universities

WS 1999/2000

IKP-00-4-001

Filges, D.

Seminar über Abschirmprobleme von Teilchenbeschleunigern

Universität Wuppertal, V2 1.4 ESS

SS 2000

IKP-00-4-002

Baur G.

Einführung in die allgemeine Relativitätstheorie und Kosmologie

Universität Basel, Schweiz, V2

20.80.0

IKP-00-4-003

Filges, D.

Kernphysik

Universität Wuppertal, V2 1.1 KPH, 1.4 ESS

IKP-00-4-004

Krewald S.

Einführung in die Theorie der starken Wechselwirkung

Universität Bonn, V2

20.80.0

IKP-00-4-005

Machner, H.

Kern- und Elementarteilchenphysik

Universität Essen, V5 1.1 KPH

IKP-00-4-006

Machner, H.

Seminar zur Kern- und Elementarteilchenphysik

Universität Essen, S1 1.1 KPH

IKP-00-4-007

Maier, R.

Teilchenbeschleuniger II

Universität Bonn, V2

20.30.0

IKP-00-4-008

Meißner Ulf-G.

Elektronenstreuung und die Struktur der Hadronen

Universität Bonn, V2

28.80.0

IKP-00-4-009

Speth J.

Elektronenstreuung und die Struktur der Hadronen

Universität Bonn, V2

20.80.0

IKP-00-4-010

Ströher, H.

Experimente zur Struktur des Nukleons (Spezialvorlesung)

20.45.0

WS 00/01

IKP-00-4-011

Baur G.

Kosmologie und Allgemeine Relativitätstheorie

Universität Basel, Schweiz, V2

20.80.0

IKP-00-4-012

Filges, D.

Physik II, Atom- und Kernphysik

Universität Wuppertal, V2, Ü2 1.1 KPH, 1.4 ESS,

IKP-00-4-013

Gillitzer A.

Atomphysik/Atomic Physics (Physik 5)

Universität Bonn, V2, Ü1

20.45.0

IKP-00-4-014

Kilian, K.

Atomphysik/Atomic Physics (Physik 5)

Universität Bonn, V2, Ü1

20.45.0

IKP-00-4-015

Krewald S.

Klassische Mechanik und Elektrodynamik für Lehramtsstudierende

Universität Bonn, V4, Ü2

20.80.0

IKP-00-4-016

Lieder R.M.

Kernphysikalische Messmethoden in Wissenschaft und Technik

Universität Bonn, V2, Ü1

20.10.0

IKP-00-4-017

Maier, R.

Anwendung von Teilchenbeschleunigern

Universität Bonn, V2

20.30.0

IKP-00-4-018

Meißner Ulf-G.

Thermodynamik und Statistik

Universität Bonn, V4, Ü4

20.80.0

IKP-00-4-019

Sistemich, K.

Experimentalphysik II für Studierende der Naturwissenschaften

Universität Köln, V4

20.45.0

IKP-00-4-020

Speth J.
Thermodynamik und Statistik

Universität Bonn, V4, Ü4

20.80.0

IKP-00-4-021

Wirzba A.

Quantenfeldtheorie (Theoretisches Wahlfach)"

Technische Universität Darmstadt, V2, Ü1

20.80.0

[Journals](#), [Proceedings & Reports](#), [Invited Talks](#), [Conference Contributions](#), [Posters](#),
[Patents & Applications for Patents](#), [Lectures at Universities](#)