

CURRICULUM VITAE

Ulf-G. Meißner

<p><i>Universität Bonn</i> <i>Helmholtz-Institut für</i> <i>Strahlen- und Kernphysik (Theorie)</i> <i>Nußallee 14-16</i> <i>D-53115 Bonn, Germany</i> email: meissner@hiskp.uni-bonn.de phone: (+49) (0)228-73-2365 fax: (+49) (0)228-73-3728 URL: www.itkp.uni-bonn.de/~meissner/</p>	<p><i>Forschungszentrum Jülich</i> <i>Institut für Kernphysik (IKP-3)</i> <i>Institute for Advanced Simulation (IAS-4)</i> <i>Leo-Brandt-Straße</i> <i>D-52425 Jülich, Germany</i> email: u.meissner@fz-juelich.de phone: (+49) (0)2461 614401 fax: (+49) (0)2461 613930</p>
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Address: Haydnstraße 20
 D-53115 Bonn, Germany

Date of Birth: October 20, 1957

Place of Birth: Celle, West Germany

Nationality: German

STUDIES AND DEGREES

Oct. 1976–Jan. 1982 Undergraduate Studies in Physics, Astronomy and Philosophy,
 Ruhr-Universität Bochum, Germany.

Jan. 1982 Diploma Thesis: “Contribution of Two-Boson Exchange to the
 Nucleonic Current,”
 Advisor: Prof. M. Gari.

Mar. 1982–Dec. 1984 Graduate Studies, Physics Department,
 SUNY at Stony Brook, Stony Brook, NY 11794,
 with a one year stay as Research Associate at the Niels Bohr
 Institute, Copenhagen, Denmark, July 1983–July 1984.

Dec. 1984 Ph.D. Thesis: “Applications of the Skyrme Model in the
 Description of Nuclear Phenomena,”
 Advisor: Prof. G. E. Brown.

Dec. 1988 “Habilitation” in Theoretical Physics,
 University of Regensburg, Germany.
 Habilitationsschrift: “Low Energy Hadron Physics from
 Effective Chiral Lagrangians with Vector Mesons.”
 Promoter: Prof. W. Weise.

POST-DOCTORAL APPOINTMENTS AND FELLOWSHIPS

Institute for Theoretical Physics, University of Bern, Bern, Switzerland — Dec. 1984–Feb. 1985 (Research Associate).

Institut für Theoretische Physik, Universität Regensburg, Regensburg, FRG — Apr. 1985–Jan. 1987 (Research Associate in the Nuclear Theory Group).

CERN, Theory Division, Geneva, Switzerland — Jul. 1985–Sep. 1985 (Research Associate).

Center for Theoretical Physics, MIT, Cambridge, MA, USA — Jan. 1987–Jan. 1989 (Post-Doctoral Research Staff Member).

Institut für Theoretische Physik, RUB, Bochum, FRG — Feb. 1989 (Research Associate).

Center for Theoretical Physics, MIT, Cambridge, MA, USA — Mar. 1989 – Sep. 1989 (Heisenberg Fellow).

Institute for Theoretical Physics, University of Bern, Bern, Switzerland — Sep. 1989 – Aug. 1993 (Heisenberg Fellow).

Physique Théorique, Centre de Recherches Nucléaires, Strasbourg, France — Sep. 1993 – Sep. 1994 (Research Associate).

Institut für Kernphysik, Universität Mainz, Mainz, Germany — Sep. 1993 – Sep. 1994 (Consultant for physics at MAMI).

Institut für Theoretische Kernphysik, Universität Bonn, Bonn, Germany — Oct. 1994 – Sep. 1996 (C4 Professor in Theoretical Physics, temporary, Lehrstuhlvertretung Prof. M. Huber).

PERMANENT POSITIONS & DIRECTORSHIPS

Division Leader at the Institut für Kernphysik (Forschungszentrum Jülich), Jülich, and Professor of Physics (C3) at the Universität Bonn (Inst. f. Theoretische Kernphysik), Bonn, Germany — Oct. 1996 – Dec. 2002

Chair in Theoretical Nuclear Physics and Head of the Theory Department of the Helmholtz-Institute, Professor of Physics (C4/W3) at the Universität Bonn (Helmholtz Inst. f. Strahlen- und Kernphysik), Bonn, Germany — since Jan. 2003

Director at the Institut für Kernphysik at the Forschungszentrum Jülich (IKP-3, Strong Interaction Theory), Jülich, Germany — since Oct. 2003

Director at the Institute for Advanced Simulation at the Forschungszentrum Jülich (IAS-4, Strong Interaction Theory), Jülich, Germany — since Jan. 2010

GUEST PROFESSORSHIPS

Guest-Professor at the Institut für Theoretische Physik, Karl-Franzens-Universität Graz, Austria — Apr. 2002 – Sep. 2002

OTHER OFFERS

Chair in Theoretical Physics (Subatomare Physik), Institut für Theoretische Physik, Karl-Franzens-Universität Graz, Austria, from Sep. 2002 — declined

Chair in Theoretical Nuclear Physics, Institut für Kernphysik, Johannes Gutenberg-Universität Mainz, Germany, June 2006 — declined

Staff position and full professorship, Institute of High Energy Physics, Beijing, China, January 2012 — declined

TEACHING

Nov. 1980 – April. 1982	Exercises in Theoretical Physics, graduate and undergraduate level, RUB, Bochum, FRG
April 1982 – July 1983	Exercises in Experimental Physics, undergraduate level, SUNY, Stony Brook, USA
April 1985 – Aug. 1985	Lectures on Anomalies University of Regensburg, Regensburg, FRG
Sept. 1985 – Febr. 1986	Lectures on Intermediate Energy Physics University of Regensburg, Regensburg, FRG
April 1987	Lectures on Selected Topics in Nuclear Physics for graduate students, MIT, USA
Dec. 1993	Lectures on Chiral Perturbation Theory University of Mainz, Mainz, FRG
Oct. 1994 – Mar. 1995	Lectures on QCD at Low Energies University of Bonn, Bonn, FRG
May 1995 – Jul. 1995	Lectures on The Structure of the Nucleon University of Bonn, Bonn, FRG
Oct. 1995 – Feb. 1996	Lectures on Chiral Perturbation Theory University of Bonn, Bonn, FRG
Apr. 1996 – Jul. 1996	Lectures on Electrodynamics University of Bonn, Bonn, FRG
Oct. 1996 – Feb. 1997	Lectures on Dispersion Relations in Physics University of Bonn, Bonn, FRG
Apr. 1997 – Jul. 1997	Seminar on Electron Scattering (with J. Speth) University of Bonn, Bonn, FRG
Oct. 1997 – Feb. 1998	Lectures on Quantum Mechanics (with J. Speth) University of Bonn, Bonn, FRG
Apr. 1998 – Jul. 1998	Lectures on Quantum Mechanics II (with J. Speth) University of Bonn, Bonn, FRG
Oct. 1998 – Feb. 1999	Lectures on Quantum Field Theory (with J. Speth) University of Bonn, Bonn, FRG
Apr. 1999 – Jul. 1999	Lectures on Electrodynamics (with J. Speth) University of Bonn, Bonn, FRG
Apr. 1999 – Jul. 1999	Lectures on Advanced Quantum Field Theory University of Bonn, Bonn, FRG
Oct. 1999 – Feb. 2000	Lectures on Thermodynamics and Statistics (with J. Speth) University of Bonn, Bonn, FRG
Apr. 2000 – Jul. 2000	Seminar on Electron Scattering (with J. Speth) University of Bonn, Bonn, FRG
Oct. 2000 – Feb. 2001	Lectures on Thermodynamics and Statistics (with J. Speth) University of Bonn, Bonn, FRG

Oct. 2001 – Feb. 2002	Lectures on Quantum Mechanics (with J. Speth) University of Bonn, Bonn, FRG
Oct. 2001 – Feb. 2002	Lectures on Quantum Field Theory University of Bonn, Bonn, FRG
Mar. 2002 – Jul. 2002	Lectures on QCD at low energies Karl–Franzens–Universität Graz, Graz, Austria
Apr. 2003 – Jul. 2003	Lectures on Thermodynamics and Statistics University of Bonn, Bonn, FRG
Oct. 2003 – Feb. 2004	Lectures on Effective Field Theories (with H.-W. Hammer) University of Bonn, Bonn, FRG
Apr. 2004 – Jul. 2004	Lectures on QuantumChromoDynamics University of Bonn, Bonn, FRG
Oct. 2004 – Feb. 2005	Introduction to Hadron Physics (with S. Krewald) University of Bonn, Bonn, FRG
Apr. 2005 – Jul. 2005	Lectures on Quantum Mechanics University of Bonn, Bonn, FRG
Apr. 2005 – Jul. 2005	Seminar on Hadron Physics (with A. Wirzba a.o.) University of Bonn, Bonn, FRG
Oct. 2005 – Feb. 2006	Lectures on Advanced Quantum Mechanics University of Bonn, Bonn, FRG
Oct. 2005 – Feb. 2006	Seminar on Contemporary Hadron Physics (with H.-W. Hammer) University of Bonn, Bonn, FRG
Apr. 2006 – Jul. 2006	Lectures on Quantum Field Theory University of Bonn, Bonn, FRG
Oct. 2006 – Feb. 2007	Lectures on Advanced Quantum Field Theory University of Bonn, Bonn, FRG
Apr. 2007 – Jul. 2007	Lectures on QuantumChromoDynamics University of Bonn, Bonn, FRG
Oct. 2007 – Feb. 2008	Lectures on Hadron Physics (with A. Rusetsky) University of Bonn, Bonn, FRG
Oct. 2007 – Feb. 2008	Seminar on Hadron Physics with Antiprotons (with A. Wirzba a.o.) University of Bonn, Bonn, FRG
Apr. 2008 – Jul. 2008	Lectures on Quantum Field Theory (with A. Rusetsky) University of Bonn, Bonn, FRG
Oct. 2008 – Feb. 2009	Lectures on Advanced Quantum Field Theory (with A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2009 – Jul. 2009	Lectures on Advanced Hadron Physics (with A. Rusetsky) University of Bonn, Bonn, FRG
Oct. 2009 – Feb. 2010	Seminar on Topological Effects in Quantum Field Theory (with B. Kubis, A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2010 – Jul. 2010	Lectures on Quantum Field Theory (with A. Rusetsky) University of Bonn, Bonn, FRG
Oct. 2010 – Feb. 2011	Lectures on Advanced Quantum Field Theory (with A. Rusetsky) University of Bonn, Bonn, FRG

Apr. 2011 – Jul. 2011	Seminar on Hadron Physics with Antiprotons (w/ H. Hammer a.o.) University of Bonn, Bonn, FRG
Oct. 2011 – Feb. 2012	Lectures on Theoretical Hadron Physics (w/ B. Kubis, A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2012 – Jul. 2012	Advanced Theoretical Hadron Physics (w/ A. Rusetsky) University of Bonn, Bonn, FRG
Oct. 2012 – Feb. 2013	Hadron Physics I (w/ A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2013 – Jul. 2013	Advanced Theoretical Hadron Physics (w/ A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2013 – Jul. 2013	Seminar on Symmetries & Symmetry Breaking (w/ H. Hammer a.o.) University of Bonn, Bonn, FRG
Apr. 2014 – Jul. 2014	Lattice QCD (w/ A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2014 – Jul. 2014	Seminar on Symmetries & Symmetry Breaking (w/ A. Wirzba a.o.) University of Bonn, Bonn, FRG
Oct. 2014 – Feb. 2015	Theoretical Hadron Physics (w/ A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2015 – Jul. 2015	Seminar on Symmetries & Symmetry Breaking (w/ T. Luu a.o.) University of Bonn, Bonn, FRG
Oct. 2015 – Feb. 2016	Group Theory (w/ A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2016 – Jul. 2016	Lectures on Quantum Field Theory I (w/ A. Rusetsky) University of Bonn, Bonn, FRG
Oct. 2016 – Feb. 2017	Sabbatical
Apr. 2017 – Jul. 2017	Sabbatical
Oct. 2017 – Feb. 2018	Sabbatical
Apr. 2018 – Jul. 2018	Seminar on Symmetries & Symmetry Breaking in Particle and Nuclear Physics (w/ A. Wirzba a.o.) University of Bonn, Bonn, FRG
Oct. 2018 – Feb. 2019	Lectures on Theoretical Hadron Physics (w/ A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2019 - Jul. 2019	Advanced Theoretical Hadron Physics (w/ T. Luu, A. Rusetsky) University of Bonn, Bonn, FRG
Oct. 2019 – Feb. 2020	Seminar on Current Problems in Theoretical Hadron Physics (w/ T. Luu and A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2020 – Jul. 2020	Lectures on Effective Field Theories (w/ A. Rusetsky) University of Bonn, Bonn, FRG
Apr. 2020 – Jul. 2020	Seminar on Modern Topics in the Theory of Strong Interactions (w/ M. Petschlies and C. Urbach) University of Bonn, Bonn, FRG
Oct. 2020 – Feb. 2021	Lectures on Theoretical Hadron Physics (w/ A. Rusetsky) University of Bonn, Bonn, FRG

STUDENTS (past and present)

Diploma/Master students

Sven Steininger, Oct. 1995 - Sept. 1996

“Kaon Produktion in chiraler Störungstheorie”

Bastian Kubis, Jan. 1999 - Nov. 1999

“Formfaktoren in chiraler Störungstheorie”

Hermann Krebs, May 1999 - Apr. 2000

“Elektropionproduktion am Deuteron in chiraler Störungstheorie”

Markus Walzl, Nov. 1999 - Oct. 2000

“Charge-dependent nucleon-nucleon potential from chiral effective field theory”

Matthias Frink, Oct. 2000 - Oct. 2001

“Analysis of the Pion-Kaon Sigma Term”

Lucas Platter, Jan. 2001 - Feb. 2002

“Effektive Feldtheorie für Fermisysteme bei niedrigen Dichten”

Peter Bruns, Aug. 2003 - Sep. 2004

“Vector mesons in chiral perturbation theory”

Ilka Scheller, Sep. 2003 - Nov. 2004

“Analyse der Oktett-Baryonmassen in cutoff-regularisierter chiraler Störungstheorie”

Eike Müller, July 2005 - July 2006

“T-odd correlations in radiative K_{l3} decays”

André Lacour, Jan. 2006 - Jan. 2007

“Chiral extrapolations for hyperon vector form factors”

Eva Schlauch, Jan. 2006 - Jan. 2007

“The two-nucleon current in chiral effective field theory”

Michael Lage, Feb. 2006 - Mar. 2007

“Analysis of low-energy constants in baryon chiral perturbation theory”

Christoph Ditsche, Oct. 2006 - Nov. 2007

“Isospin violation in $\eta \rightarrow 3\pi$ ”

Maxim Mai, Nov. 2007 - Nov. 2008

“Meson-baryon scattering to one loop in Lorentz invariant baryon chiral perturbation theory”

Christian Eilhard, Mar. 2008 - Jun. 2009

“Quark mass dependence of the pion-nucleon coupling constant”

Shahin Bour, May 2008 - May 2009

“Lattice formulation of the hyperon-nucleon interaction”

Martin Hoferichter, Oct. 2008 - Aug. 2009

“Pion-nucleon scattering in covariant baryon chiral perturbation theory”

Konstantin Ottnad, Oct. 2008 - Oct. 2009

“The neutron electric dipole form factor from chiral perturbation theory”

Dino Ruiz, Jun. 2010 - Jun. 2011

“Eta-photoproduction in gauge-invariant chiral unitary framework”

Leonardo Novo, Feb. 2011 - Jan. 2012
“The Roper resonance in a finite volume”

Tarik Akan, Dec. 2012 - Jan. 2014
“Baryon electric dipole form factors in a finite volume”

Dilege Gülmez, Oct. 2013 - Sep. 2014
“Rho-rho meson interaction in a unitary gauge formalism”

Weitao Liu, Mar. 2014 - Apr. 2015
“Nuclear lattice simulations in the continuum limit ”

Neramballi Ripunjay Acharya, Jun. 2014 - Jul. 2015
“ θ -dependence of unstable particles”

Daniel Severt, Oct. 2017 - Oct. 2018
“Sigma-term physics”

Thomas Vonk, Apr. 2018 - Mar. 2019
“Studies on the QCD θ -vacuum in chiral perturbation theory”

Bastian Kapschak, Dec. 2018 - Dec. 2019
“How machine learning conquers the unitary limit”

Chaitra Kalmahalli Guruswamy, Mar. 2019 - Mar. 2020
“Contraction analysis in pion-kaon scattering”

Daniel Galviz, Jun. 2019 - Jun. 2020
“Radiative corrections to $K_{\ell 3}$ decays revisited”

Ph.D. students

Bugra Borasoy, Oct. 1994 - Sept. 1996

“Baryon masses and σ -terms to second order in the quark masses”

Guido Müller, Oct. 1995 - May 1998

“Renormalization of the complete one-loop generating functional in chiral perturbation theory with nucleons”

Sven Steininger, Oct. 1996 - June 1999

“Reelle und virtuelle Photonen in chiraler Störungstheorie”

Evgeny Epelbaum, Oct. 1997 - May 2000 (co-advisor with W. Glöckle)

“The nucleon-nucleon interaction from a chiral effective field theory”

Nadia Fettes, Oct. 1997 - Sept. 2000

“Pion-nucleon physics in chiral perturbation theory”

Bastian Kubis, Dec. 1999 - Oct. 2002

“Strong interactions and electromagnetism in low-energy hadron physics”

Andrea Lühr, Apr. 2001 - Oct. 2003 (external dissertation, EADS Ulm)

“A noise reduction method based upon statistical analysis for the detection of weak signals in discrete data”

Hermann Krebs, Mai 2000 - Nov. 2003

“Neutral pion electroproduction off the deuteron”

Lucas Platter, Mar. 2002 - Jul. 2005

“From cold atoms to light nuclei: the four-body problem in an effective theory with contact interactions”

Udit Raha, Mar. 2003 - Sep. 2006

“Hadronic atoms in effective field theory”

Maxim Belushkin, Mar. 2004 - Jun. 2007

“Dispersion-theoretical analysis of the nucleon electromagnetic form factors”

Robin Nisßler, Feb. 2004 - Feb. 2008

“Topics in three flavor chiral dynamics”

Peter Bruns, Oct. 2005 - Jan. 2009

“Multi-scale chiral dynamics”

Pavel Saviankou, Nov. 2005 - Feb. 2009

“Anwendung effektiver Feldtheorie auf Kernmaterie und Neutronenmaterie”

André Lacour, Feb. 2007 - Aug. 2010

“Finite density chiral effective field theory in nuclear physics”

Christoph Ditsche, Nov. 2007 - Dec. 2012

“Probing quark mass effects in low-energy hadron physics”

Michael Lage, Apr. 2008 - Aug. 2012

“Resonances in a finite volume”

Maxim Mai, Dec. 2008 - Dec. 2012

“From meson-baryon scattering to meson photoproduction”

Shahin B. Bour, Jun. 2009 - Jun. 2104

“Low-energy scattering on the lattice”

Martin Hoferichter, Sep. 2009 - Jul. 2012
“Precision calculations for the low-energy dynamics of pions and nucleons”

Susanna Liebig, Sep. 2009 - Apr. 2013
“Antisymmetrisation in a Jacobi-coordinate based no-core shell model approach”

Xian-Wei Kang, Sep. 2011 - Aug. 2014
“Chiral dynamics and final-state interactions in semileptonic B meson decay and antinucleon-nucleon scattering”

Ina Lorenz, Feb. 2012 - Aug. 2015
“Theory and phenomenology of the nucleon electromagnetic form factors”

Dimitri Agadjanov, Jul. 2012 - Sept. 2016
“Exotic states in boxed QCD”

Dechuan Du, Oct. 2012 - Oct. 2016
“Nucleon-nucleon scattering on the lattice”

Yang Zhi, Sep. 2013 - Jul. 2016
“Production of hadronic molecules at hadron colliders”

Dilege Gülmez, Dec. 2014 - Jul. 2018
“Vector-meson interactions, dynamically generated molecules, and the hadron spectrum”

Nico Klein, Mar. 2014 - Dec. 2018
“Few-Body Systems in Lattice Effective Field theory”

Menglin Du, Jul. 2014 - Aug. 2017
“Topics in chiral perturbation theory for charmed mesons”

Neramballi Ripunjay Acharya, Sep. 2015 - Dec. 2019
“Disconnected contributions to hadronic processes”

Hoai Le Thi, Jan. 2016 - Apr. 2020
“Jacobi No-Core Shell Model for P-Shell Hypernuclei”

Gianluca Stellin, Sep. 2016 - Dec. 2020
“Nuclear physics in a finite volume: Investigation of two-particle and α -cluster systems”

Daniel Severt, Jan. 2019
“Aspects of chiral QCD”

Thomas Vonk, May 2019
“Axion-matter interactions”

Bastian Kaspchak, Jun. 2020
“Machine learning in quantum physics”

POST-DOCS, ASSISTANTS and HABILITANDEN (past and present)

Jose Manuel Alarcon Soriano (now postdoc at Univ. Complutense Madrid, Spain)

Muhammad Naeem Anwar

Peter C. Bruns (now staff member at Nuclear Physics Institute, Rez, Czech Rep.)

Paul Büttiker (now at Bank Vontobel, Zürich, Switzerland)

Yun-Hua Chen (now Professor, Univ. of Science & Technology Beijing, China)

Constantinos Constantinou (now research staff member, Ohio Univ., USA)

Lingyuan Dai (now Professor at Hunan University, China)

Meng-Lin Du (now Postdoc at IFIC Valencia, Spain)

Jordy de Vries (now Professor at UMASS Amherst, USA)

Michael Döring (now Professor at George Washington University, USA)

Serdar Elhatisari (now Professor at Karamanoglu Mehmetbey Univ., Turkey)

Dillon Frame

Jambul Gegelia (now post-doc at Ruhr Universität Bochum)

George Gellas (now at Siemens, Greece)

Shayan Ghosh

Feng-Kun Guo (now Professor at ITP, CAS, Beijing)

Zhi-Hui Guo (Professor at Hebei Normal Univ., China)

Hans-Werner Hammer (now Professor at TU Darmstadt)

Christoph Hanhart (staff member at IKP-3, FZ Jülich and apl. Prof., Univ. Bonn)

Thomas Hemmert (now high school teacher, Munich)

Xian-Wei Kang (now Professor at Beijing Normal Univ., China)

Hermann Krebs (now research staff scientist at RUB)

Bastian Kubis (now permanent staff member at HISKP, Bonn)

Timo Lähde (now staff member at IAS, FZ Jülich)

Ning Li (now ass. Professor at Zhongshan University, China)

Yonghui Lin

Liuming Liu (now Professor at IMP, Lanzhou, China)

Xiao-Hei Liu (now Professor at Tianjin University, China)

Bingnan Lu (now Professor at Graduate School of China Academy of
Engineering Physics, Beijing, China)

Yu Lu (now Postdoc at UCAS, Beijing, China)

Li Ma (now Professor at Northern Jiaotong University, Beijing, China)

Andreas Nogga (now staff member at IKP-3, FZ Jülich)

José Antonio Oller (now Professor at Murcia Univ., Spain)

Manolo Pavon Valderama (now Professor at Beihang Univ., China)

Antonio Pineda (now Professor at Univ. Autònoma Barcelona, Spain)

Henk Polinder (now research scientist at TNO Delft, The Netherlands)
Deborah Rönchen (now staff member at IAS-4, FZ Jülich)
Akaki Rusetsky (now staff member at HISKP, Univ. Bonn)
Chien-Yeah Seng
Shihang Shen
Yuji Shi
Alexander Sibirtsev (deceased)
Liang Tang (Professor at Hebei Normal Univ., China)
Yasemin Ünal
Andreas Wirzba (now staff member at IKP-3, FZ Jülich)
Yufei Wang
Qian Wang (now Professor at South China Normal University, China)
Wei Wang (now Professor at Shanghai Jiao Tong University, China)
Jiajun Wu (now Professor at UCAS, Beijing, China)
Xiaonu Xiong (now Professor at Central South Univ., Changsha, China)
Zhi Yang (now Professor at Univ. of Elect. Science & Technology, Chengdu, China)
De-Liang Yao (now Professor at Hunan University, China)

GRANTS (past and present)

NATO Collaborative Reserch Grant 950607

“Pion electroproduction in chiral perturbation theory”
with V. Bernard and T.S. H. Lee, 1995-1997.

DFG Research Grant Me 864/11

“Isospin-Symmetrie im Pion-Nukleon System”
with D. Schütte, 1996-1999.

DFG Research Grant Me 864/13

“Tiefinelastische Streuung bei kleinen x”
1996-1997.

DFG Research Grant Me 864/14

“Chirale Symmetrie und Quark Modelle”
with B.C. Metsch and H.R. Petry, 1997-1999.

DFG Research Grant Me 864/15

“Verbindung der chiralen Störungstheorie mit Dispersionsrelationen”
1997-2001.

DFG Research Grant Me 864/16

“Schwellenproduktion neutraler Pionen im Rahmen der chiralen Störungstheorie”
1999-2004.

COSY Research Grant COSY-067

“Änderungen von Hadroneneigenschaften im Medium”
2003-2005.

DFG Research Grant GL 87/34-1

“Dreikörperkräfte in Wenig-Nukleon Systemen im Rahmen der chiralen effektiven
Feldtheorie”
with W. Glöckle, 2003-2004.

DFG Research Grant Ha 3203/2-1

“Dispersion-theoretical analysis of the electromagnetic form factors of the nucleon”
with H.-W. Hammer, 2003-2004.

Coordinator and Spokesperson of Node 6, “Hadron Physics Theory”,
EU Integrated Infrastructure Initiative FP6, I3HP

“Hadron Physics: Study of Strongly Interacting Matter”
2004-2008.

DFG Sonderforschungsbereich/Transregio TR 16 “Subnuclear Structure of Matter”
Projectleader B.3, “Meson production off nucleons and nuclei”,
2004-2008.

DFG Sonderforschungsbereich/Transregio TR 16 “Subnuclear Structure of Matter”
Projectleader C.2, “Dispersion-theoretical analysis of the electromagnetic form fac-
tors of the nucleon”,
with H.-W. Hammer, 2004-2008.

DFG Sonderforschungsbereich/Transregio TR 16 “Subnuclear Structure of Matter”
Projectleader C.3, “Spin structure of the nucleon”,
2004-2008.

JLab-FZJ Colloborative Research Grant SURA-06-C0452
“Baryon resonance analysis”
2006-2010.

BMBF research grant 06BN411
“FAIR: Fundamentale Kernkräfte und Kernstruktur”
2006-2009, with H.-W. Hammer.

HGF research grant VH-VI-231, Virtual Institute “Spin and strong QCD”
2007-2011, with M. Anselmino, J. Gasser, R. Kulesa, P. Lenisa, R. Maier, K. Peters,
J. Ritman, H. Ströher, H. Witala

DFG Sonderforschungsbereich/Transregio TR 16 “Subnuclear Structure of Matter”
Projectleader A.6, “Baryon resonances in a finite volume”,
with A. Rusetsky, 2008-2012.

DFG Sonderforschungsbereich/Transregio TR 16 “Subnuclear Structure of Matter”
Projectleader B.3, “Chiral dynamics with (non)strange quarks”,
with B. Kubis, 2008-2012.

DFG Sonderforschungsbereich/Transregio TR 16 “Subnuclear Structure of Matter”
Projectleader Z.1, “Administration and scientific exchange”,
with R. Beck and F. Klein, 2008-2012.

Coordinator and Spokesperson of the Network “QCDnet”,
EU Integrated Infrastructure Initiative FP7, I3HP
“Hadron Physics 2: Study of Strongly Interacting Matter”
2009-2011.

BMBF research grant 06BN9006
“Strong interaxtion studies for FAIR”
2009-2012, with H.-W. Hammer.

HGF research grant VH-VI-417, Nuclear Astrophysics Virtual Institute “NAVI”
2011-2015, with K. Langanke, G. Martinez-Pinedo, F. Thielemann, Th. Lippert,
and others.

Coordinator and Spokesperson of the Network “EPOS”,
EU Integrated Infrastructure Initiative FP7, I3HP
“Hadron Physics 3: Study of Strongly Interacting Matter”
2012-2014.

DFG Sonderforschungsbereich/Transregio TR 110 “Symmetries and the Emergence
of Structure in QCD”
Projectleader A.6, “Quark mass dependence of heavy-light systems”,
with F.-K. Guo and P. Wang, 2012-2016.

DFG Sonderforschungsbereich/Transregio TR 110 “Symmetries and the Emergence of Structure in QCD”

Projectleader B.7, “Chiral Dynamics of Nuclei and Hypernuclei”,
with A. Nogga and N. Kaiser, 2012-2016.

DFG Sonderforschungsbereich/Transregio TR 110 “Symmetries and the Emergence of Structure in QCD”

Projectleader Z.1, “Administration and scientific exchange”,
with B.-S. Zou, 2012-2016.

BMBF research grant 06BN7008

“Neutron-rich matter in effective field theories”
2012-2015, with H.-W. Hammer.

DFG Sonderforschungsbereich/Transregio TR 110 “Symmetries and the Emergence of Structure in QCD”

Projectleader B.1, “Nucleon Form Factors”,
with Y. Dong, 2013-2016.

Grant from the Volkswagenstiftung “Regional Training Center in Theoretical Physics,” Bonn University, Tbilisi State University (Georgia) and Yerevan State University (Armenia)

Project Coordinator, 2013-2015.

BMBF research grant 05P15PCFN1

“Kernkräfte und leichte Kerne in chiraler effektiver Feldtheorie im Kontinuum und auf dem Gitter”
2015-2018, with E. Epelbaum.

DFG Sonderforschungsbereich/Transregio TR 110 “Symmetries and the Emergence of Structure in QCD”

Projectleader A.5, “Quark mass dependence of hadronic observables”,
with F.-K. Guo and P. Wang, 2016-2020.

DFG Sonderforschungsbereich/Transregio TR 110 “Symmetries and the Emergence of Structure in QCD”

Projectleader B.9, “Lattice nuclear physics”,
with H. Krebs and T. Luu, 2016-2020.

DFG Sonderforschungsbereich/Transregio TR 110 “Symmetries and the Emergence of Structure in QCD”

Projectleader Z.1, “Administration and scientific exchange”,
with C. Urbach and B.-S. Zou, 2016-2020.

Helmholtz-Exzellenznetzwerke ExNet-0011-Phase2-3 “CASCADE - Computational Science for Complex Systems” (HGF Impuls- und Vernetzungsfonds), FZ Jülich, DZNE Bonn, Univ. Bonn, Fraunhofer SCAI, Fraunhofer IAIS, Max-Planck-Institut für Radioastronomie, CAESAR Bonn

Spokesperson, 2018 - 2019

Grant from the Volkswagenstiftung “Regional Doctoral Program in Theoretical and Experimental Particle Physics,” Bonn University, Siegen University, FZ Jülich, Tbilisi State University (Georgia) and Yerevan State University (Armenia)
Project Coordinator, 2018-2023.

DFG Sonderforschungsbereich/Transregio TR 110 “Symmetries and the Emergence of Structure in QCD”
Projectleader A.5, “Quark mass dependence of hadronic observables”,
with F.-K. Guo, 2021-2024.

DFG Sonderforschungsbereich/Transregio TR 110 “Symmetries and the Emergence of Structure in QCD”
Projectleader B.9, “Lattice nuclear physics”,
with E. Epelbaum, 2021-2024.

DFG Sonderforschungsbereich/Transregio TR 110 “Symmetries and the Emergence of Structure in QCD”
Projectleader Z.1, “Administration and scientific exchange”,
with C. Urbach and B.-S. Zou, 2021-2024.

ERC Advanced Grant (AdG) 101018170_EXOTIC
“Emergent Complexity from Strong Interactions (EXOTIC)”
2021-2026.

Note that “DFG” stands for Deutsche Forschungsgemeinschaft. “COSY” grants are R&D grants closely related to work performed at the Cooler Synchrotron COSY at Jülich.

AWARDS etc.

In March 1989, I was awarded the Heisenberg Research Fellowship from the “Deutsche Forschungsgemeinschaft (DFG)” which allowed me to work at MIT and the University of Bern for 4.5 years.

In March 1989, I was awarded the first JSPS fellowship for foreigners for a two year research stay in Japan - declined

In September 1991, I was named M.J. Murdock Fellow of the Institute of Nuclear Theory, University of Washington, Seattle, USA.

In February 2008, I was named Outstanding Referee of the American Physical Society.

In November 2009, I was elected as Fellow of the American Physical Society (Division of Nuclear Physics), “for leading the development of chiral perturbation theory with baryons, including many pioneering and successful predictions for the interactions of nucleons with photons, pions, and other nucleons.”

In October 2010, I was elected as member of Academia Europaea (The Academy of Europe).

In January 2014, I was awarded a “Beller Lectureship” from the American Physical Society.

In January 2015, I was awarded a “CAS President’s Fellowship for Visiting Scientists” from the Chinese Academy of Sciences.

In January 2016, I was awarded a “CAS president’s fellowship for Visiting Scientists” from the Chinese Academy of Sciences.

In May 2016, I was awarded the “2016 Lise Meitner Prize” from the European Physical Society for “his developments and applications of effective field theories in hadron and nuclear physics, that allowed for systematic and precise investigations of the structure and dynamics of nucleons and nuclei based on Quantum Chromodynamics.”

In January 2017, I was awarded a “CAS President’s Fellowship for Visiting Scientists” from the Chinese Academy of Sciences.

In January 2018, I was awarded a “CAS President’s Fellowship for Distinguished Scientists” from the Chinese Academy of Sciences.

In August 2018, I was awarded the Honorary Doctorate (Dr. h.c.) of the Ivane Javakhishvili Tbilisi State University, Tbilisi, Georgia.

In May 2020, my project “Nuclear Lattice Simulations” was distinguished as “John von Neumann Exzellenzprojekt 2020” of the John von Neumann-Institut für Computing, Forschungszentrum Jülich.

In April 2021, I was awarded an ERC Advanced Grant (AdG) for the topic “Emergent Complexity from Strong Interactions (EXOTIC)”.

COMPUTING TIME AWARDS as PI or CO-PI (since 2013)

2013, *Chiral Dynamics in Few-Baryon Systems* (jikip03) on JUQUEEN/JUROPA (JSC, FZ Jülich), 6.1 Mcore-h (with A. Nogga).

2013, *Nuclear Lattice Simulations* (jikip04/jara0015) on JUQUEEN (JSC, FZ Jülich) and BULLW (RWTH Aachen), 31.0 Mcore-h (with T. Lähde).

2013, *The electric dipole moment of the nucleon from $N_f f = 2 + 1$ lattice QCD* (jikip05) on JUQUEEN (JSC, FZ Jülich), 25.0 Mcore-h (with T. Lähde, A. Nogga).

2013, *Unified analysis of γ - and π -induced reactions in the hadron exchange picture* (jikip07) on JUROPA (JSC, FZ Jülich), 0.5 Mcore-h (with C. Hanhart, S. Krewald).

2014, *Chiral Dynamics in Few-Baryon Systems* (jikip03) on JUQUEEN/JUROPA (JSC, FZ Jülich), 13.1 Mcore-h (with A. Nogga).

2014, *Nuclear Lattice Simulations* (jikip04/jara0015) on JUQUEEN (JSC, FZ Jülich) and BULLW (RWTH Aachen), 48.2 Mcore-h (with T. Lähde, T. Luu).

2014, *The electric dipole moment of the nucleon from $N_f f = 2 + 1$ lattice QCD* (jikip05) on JUQUEEN (JSC, FZ Jülich), 25.0 Mcore-h (with T. Lähde, A. Nogga).

2014, *Unified analysis of γ - and π -induced reactions in the hadron exchange picture* (jikip07) on JUROPA (JSC, FZ Jülich), 0.4 Mcore-h (with C. Hanhart, S. Krewald).

2015, *Chiral Dynamics in Few-Baryon Systems* (jikip03) on JUQUEEN/JUROPA (JSC, FZ Jülich), 13.1 Mcore-h (with A. Nogga).

2015, *Nuclear Lattice Simulations* (hfz02/jara0015) on JUQUEEN (JSC, FZ Jülich) and BULLW (RWTH Aachen), 41.3 Mcore-h (with T. Lähde, T. Luu).

2015, *The electric dipole moment of the nucleon from $N_f f = 2 + 1$ lattice QCD* (jikip05) on JUQUEEN (JSC, FZ Jülich), 22.0 Mcore-h (with T. Lähde, A. Nogga).

2015, *Unified analysis of γ - and π -induced reactions in the hadron exchange picture* (jikip07) on JUROPA (JSC, FZ Jülich), 0.4 Mcore-h (with J. Haidenbauer, C. Hanhart).

2016, *Chiral Dynamics in Few-Baryon Systems* (jikip03) on JUQUEEN/JURECA (JSC, FZ Jülich), 16.2 Mcore-h (with A. Nogga).

2016, *Nuclear Lattice Simulations* (hfz02/jara0015) on JUQUEEN (JSC, FZ Jülich) and BULLW (RWTH Aachen), 41.3 Mcore-h (with T. Lähde, T. Luu).

2016, *The electric dipole moment of the nucleon from $N_f f = 2 + 1$ lattice QCD* (jikip05) on JUQUEEN (JSC, FZ Jülich), 30.0 Mcore-h (with T. Lähde).

2016, *Unified analysis of γ - and π -induced reactions in the hadron exchange picture* (jikip07) on JURECA (JSC, FZ Jülich), 0.3 Mcore-h (with J. Haidenbauer, C. Hanhart).

2017, *Chiral Dynamics in Few-Baryon Systems* (jikip03) on JUQUEEN/JURECA (JSC, FZ Jülich), 18.2 Mcore-h (with A. Nogga).

2017, *Nuclear Lattice Simulations* (hfz02/jara0015) on JUQUEEN (JSC, FZ Jülich) and CLAIX (RWTH Aachen), 45.5 Mcore-h (with T. Lähde, T. Luu).

2017, *Axion and electric dipole moment of the nucleon* (jikip05) on JUQUEEN (JSC, FZ Jülich), 54.0 Mcore-h (with T. Lähde).

2017, *Unified analysis of γ - and π -induced reactions in the hadron exchange picture* (jikip07) on JURECA (JSC, FZ Jülich), 0.4 Mcore-h (with J. Haidenbauer, C. Hanhart).

2018, *Chiral Dynamics in Few-Baryon Systems* (jikip03) on JUQUEEN/JURECA (JSC, FZ Jülich), 9.2 Mcore-h (with A. Nogga).

2018, *Nuclear Lattice Simulations* (hfz02/jara0015) on JUWELS (JSC, FZ Jülich) and CLAIX (RWTH Aachen), 36.9 Mcore-h (with T. Lähde, T. Luu).

2018, *Axion and electric dipole moment of the nucleon* (jikip05) on JUQUEEN (JSC, FZ Jülich), 16.0 Mcore-h (with T. Lähde).

2018, *Unified analysis of γ - and π -induced reactions in the hadron exchange picture* (jikip07) on JURECA (JSC, FZ Jülich), 0.3 Mcore-h (with J. Haidenbauer, D. Rönchen).

2019, *Chiral Dynamics in Few-Baryon Systems* (jikip03) on JUQUEEN/JURECA (JSC, FZ Jülich), 11.8 Mcore-h (with A. Nogga).

2019, *Nuclear Lattice Simulations* (hfz02/jara0015) on JUWELS (JSC, FZ Jülich) and CLAIX (RWTH Aachen), 38.4 Mcore-h (with T. Lähde).

2019, *Unified analysis of γ - and π -induced reactions in the hadron exchange picture* (jikip07) on JURECA (JSC, FZ Jülich), 0.3 Mcore-h (with J. Haidenbauer, D. Rönchen).

2020, *Chiral Dynamics in Few-Baryon Systems* (jikip03) on JURECA/JURECA-Booster (JSC, FZ Jülich), 13.4 Mcore-h (with A. Nogga).

2020, *Nuclear Lattice Simulations* (chfz02/jara0015) on JUWELS (JSC, FZ Jülich) and CLAIX (RWTH Aachen), 31.9 Mcore-h (with T. Lähde) [awarded as “NIC Exzellenzprojekt”].

2020, *Baryon spectroscopy from pion-, photon-, and electron-induced reactions* (baryonspectro) on JURECA-DC (JSC, FZ Jülich), 0.69 Mcore-h (with J. Haidenbauer, D. Rönchen).

2021, *Nuclear Lattice Simulations* (chfz02) on JUWELS Cluster and JUWELS Booster (JSC, FZ Jülich), 25.9 Mcore-h (with T. Lähde).

2021, *Chiral Dynamics in Few-Baryon Systems* (jikip03) on JURECA DC/JURECA-Booster (JSC, FZ Jülich), 18.75 Mcore-h (with A. Nogga).

CONFERENCE & WORKSHOP ORGANIZATION

Organization of the workshop: “Effective Field Theories of the Standard Model”, Dobogoko, Hungary, August 1991 (together with G. Ecker (Vienna), P. Hasenfratz (Bern) and A. Patkós (Budapest)). Edition of the workshop proceedings published by World Scientific Publ. Co., Singapore, 1992.

Organization of the μ -Workshop on “Selected Topics in Chiral Dynamics”, University of Bonn, Mai 1995.

Co-Convenor of the “Chiral Physics” session, 7th International Conference on the Structure of Baryons “Baryons ’95”, Santa Fe, USA, October 1995.

Co-Organizer of the ECT* program “The Standard Model at Low Energies”, European Centre for Theoretical Studies in Nuclear Physics and related Areas, Trento, Italy, April 28 -May 10, 1996 (with H. Bijnens (Lund)).

Co-Convenor of the “Chiral Physics” session, 8th International Conference on the Structure of Baryons “Baryons ’98”, Bonn, Germany, September 1998.

Co-Organizer of the 205th Hereaus Seminar on “Chiral Effective Theories”, Physikzentrum, Bad Honnef, Dezember 1998 (with H. Bijnens (Lund)).

Co-chair, member of the organizing committee of the conference and co-editor of the proceedings “Chiral Dynamics: Theory and Experiment”, Jefferson Laboratory, Newport News, USA, July 2000.

Member of the program committee of the 9th International Conference on “Meson-Nucleon Physics” (MENU 2001), Washington, USA, July 2001.

Co-Organizer of the 264th Hereaus Seminar on “Effective Field Theories of QCD”, Physikzentrum, Bad Honnef, November 2001 (with H. Bijnens (Lund) and A. Wirzba (Jülich)).

Co-Convenor der “Chiral Physics” Session, 9th International Conference on the Structure of Baryons “Baryons 2002”, Newport News, USA, März 2002.

Convenor of the “Effective Field Theory” session, International Conference on the Quark-Nuclear Physics “QNP 2002”, Jülich, Juni 2002.

Co-Director of the Advanced Study Program on “Pushing the Limits of QCD,” Benasque, Spanien, July 2002 (with M. Savage (Seattle)).

Director of the 41. Internationalen Universitätswochen in Theoretischer Physik on “Flavor Physics”, Schladming, Austria, Feb. 22-28, 2003.

Chair and Member of the Program Committee of the Fourth International Workshop on “Chiral Dynamics: Theory and Experiment” (CD 2003), Bonn, Germany, September 8-13, 2003.

Co-Organizer of the “Hadron Physics I3 Topical Workshop”, University of St. Andrews, Scotland, August 30 - September 1, 2004 (with G. Rosner (Glasgow), R. Kaiser (Glasgow), G. Schierholz (DESY)).

Co-Organizer of the 337th Heraeus Seminar on “Effective Field Theories in Nuclear, Particle and Atomic Physics”, Physikzentrum, Bad Honnef, Dezember 2004 (with H. Bijnens (Lund) and A. Wirzba (Jülich)).

Organizing Committee of the International WE-Heraeus-Seminar on “Exotic States: Challenges for QCD”, Physikzentrum, Bad Honnef, January 2005.

Organizing Committee of the 6th International Conference on Nuclear Physics at Storage Rings (STORI’05), Gustav-Stresemann-Institute, Bonn, Germany, May 23-26, 2005.

Co-Organizer of the ECT*/I3HP workshop “Lattice QCD, Chiral Perturbation Theory and Hadron Phenomenology”, Trento, Oct. 2-6, 2006 (with G. Schierholz (DESY)).

Co-Organizer of the 380th Heraeus Seminar on “QCD and Few-Hadron Physics”, Physikzentrum, Bad Honnef, November 2006 (with E. Epelbaum (Jefferson Lab), W. Glöckle (Bochum) and H.-W. Hammer (Bonn)).

Organizing Committee of the conference “MENU2007 – 11th International Conference on Meson-Nucleon Physics and the Structure of the Nucleon”, Jülich, Germany, Sept. 10-14, 2007.

Organizing Committee of the workshop “39. Arbeitstreffen Kernphysik”, Schleching, Germany, Feb. 21-28, 2008.

Co-Convenor of the session “QCD, spin physics and chiral dynamics in nuclei” Session, International Conference on Particles And Nuclei (PANIC08), Eilat, Israel, November 2008.

Organizing Committee of the workshop “40. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2009.

Co-Organizer (with Evgeny Epelbaum), “Frontiers in Nuclear Physics”, Symposium in honor of Walter Glöckle’s 70th birthday, Bad Honnef, Germany, June 18-20, 2009.

Organizing Committee of the workshop “Charmed Exotics” (447-th Wilhelm and Else Heraeus Seminar), Bad Honnef, Germany, Aug. 10-12, 2009.

Organizing Committee of the workshop “Hadron Structure and Dynamics,” Bad Honnef, Germany, Aug. 13-14, 2009.

Chair and Member of International Advisory Committee of the 19th International IUPAP Conference on Few-Body Problems in Physics “FB 19”, Bonn, Germany, Aug. 31 - Sept. 5, 2009.

Organizing Committee of the workshop “41. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2010.

Co-Organizer of the FP7 QCDnet workshop “Hadrons, Lattice QCD and Chiral Perturbation Theory,” Graz, Austria, Sep. 13-16, 2010 (with C. Gattlinger (Graz), C.B. Lang (Graz) and G. Schierholz (DESY)).

Organizing Committee of the workshop “42. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2011.

Co-Organizer of the 474th Heraeus Seminar on “Strong interactions: From methods to structures”, Physikzentrum, Bad Honnef, February 2011 (with E. Epelbaum (Bochum), N. Brambilla (München) and H.-W. Hammer (Bonn)).

Organizing Committee of the workshop “43. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2012.

Lead Organizer of the Bethe Forum on “Exotic Hadrons”, Bethe Center for Theoretical Physics, Bonn, April-May 2012 (with C. Hanhart (Jülich), H.-W. Hammer (Bonn) and C. Urbach (Bonn)).

Organizer, Micro-Workshop on “Strangeness and Nuclear Physics,” Technische Universität München, October 25-26, 2012.

Organizing Committee of the workshop “44. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2013.

Organizing Committee, Inaugural Workshop of the Regional Training Network in Theoretical Physics, Tiflis, Georgia, March 14-15, 2013.

Organizing Committee, First Autumn School & Workshop on Particle Phenomenology of the Regional Training Network in Theoretical Physics, Tiflis and Lake Balazeti, Georgia, September 23 - 28, 2013.

Organizing Committee of the workshop “45. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2014.

Co-Chair, long term Workshop on the “Present Status of Nuclear Interaction Theory,” Kavli Institute of Theoretical Physics, Beijing, China, August 25 - September 18, 2014.

Co-Organizer, workshop on “Achievements and Perspectives in Low-Energy QCD with Strangeness,” ECT*, Trento, Italy, October 27 - 31, 2014 (with C. Curceanu (Frascati), L. Fabbietti (TU München), C. Guaraldo (Frascati), J. Mares (Res), J. Marton (Vienna)).

Organizing Committee of the workshop “46. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2015.

Co-Organizer of the Bethe Forum on “Methods for lattice field theory”, Bethe Center for Theoretical Physics, Bonn, March-April 2015 (with A. Rusetsky (Bonn) and C. Urbach (Bonn)).

Co-Organizer, 7th Bethe Center Workshop on “Challenges in Strong Interaction Physics,” Bad Honnef, Germany, September 22 - October 2, 2015 (with E. Epelbaum (Bochum), H.-W. Hammer (Darmstadt), C. Hanhart (Jülich), B. Kubis (Bonn), C. Urbach (Bonn)).

Co-Organizer, workshop on “Frontiers in hadron and nuclear physics with strangeness and charm,” ECT*, Trento, Italy, October 19 - 23, 2015 (with K.-T. Brinkmann (Gießen), C. Curceanu (Frascati), J. Marton (Vienna), B.-S. Zou (Beijing)).

Organizing Committee of the workshop “47. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2016.

Initiator and Coordinator, Program on “Frontiers in Nuclear Physics,” Kavli Institute for Theoretical Physics, Santa Barbara, USA, Aug 22 - Nov 4, 2016 (with Barry Holstein (Amherst), Wick Haxton (Berkeley), Martin Savage (Seattle)).

International coordinator, Program on “Clustering effects of nucleons in nuclei and quarks in multi-quark states,” Kavli Institute for Theoretical Physics China at the Chinese Academy of Sciences, Beijing, China, March 28 - April 22, 2016 (with Z. Ren (Nanjing), B.-S. Zou (ITP, CAS), H. Horiuchi (Osaka), P. Schuck (Orsay))

Organizing Committee of the workshop “48. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2017.

Co-organizer, Workshop on “Nuclear Dynamics and Threshold Phenomena,” Ruhr-Universität Bochum, Germany, April 5-7, 2017 (with E. Epelbaum (Bochum) and H. Krebs (Bochum))

Co-organizer, School and Workshop “Physics of the Standard Model and Beyond” , Tbilisi State University, Tiflis, Georgia, Sept. 25-30, 2017 (with T. Mannel (Siegen), A. Nersessian (Yerevan), A. Rusetsky (Bonn), M. Tabidze (Tiflis) and others).

Co-organizer, 9th Bethe Center Workshop on “Computational Sciences and Reality,” Bad Honnef, Germany, Oct. 2-6, 2017 (with M. Gabriel (Bonn), T. Luu (Jülich), C. Urbach (Bonn)).

Organizing Committee of the workshop “49. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2018.

Organizing Committee of the workshop on “Pion-Kaon Interactions,” Thomas Jefferson National Accelerator Facility, Newport News, VA, February 2018.

Co-organizer, 2018 JOINT FAR/ANSEF-ICTP and RDP-VW summer school in theoretical physics, Yerevan, Armenia, July 2-7, 2018 (with A. Nersessian, R. Manvelyan, E. Karapetyan, V. Sahakian, H. Shmavonyan).

Co-organizer, EMMI Rapid Reaction Task Force “Electromagnetic Structure of Strange Baryons,” GSI, Darmstadt, October 22-24, 2018 (with T. Galatyuk, S. Leupold and K. Schönning).

Organizing Committee of the workshop “50. Arbeitstreffen Kernphysik”, Schleching, Germany, February 2019.

Co-organizer, ECT* workshop on “Antiproton-nucleus interactions and related phenomena,” ECT*, Trento, Italy, June 17-21, 2019 (with J. Carbonell, A. Obertelli and E. Widmann)

Co-organizer, Helmholtz International Summer School and Dubna Advanced School of Theoretical Physics, “Quantum Field Theory at the Limits: from Strong Fields to Heavy Quarks,” JINR Dubna, Russia, July 22 - August 2, 2019 (with D. Blaschke, H. Gies and M. A. Ivanov).

Co-organizer, Bethe Forum “Multihadron dynamics in a box”, 9th - 13th September, 2019, BCTP, Bonn, Germany (with M. Mai, A. Rusetsky and C. Urbach).

Co-organizer, PhD school and workshop, “Frontiers of QCD”, September 23-28, 2019, Tbilisi, Georgia (with A. Rusetsky, M. Tabidze, T. Mannel, A. Kacharava and A. Nersessian).

Co-organizer, RDP Online Workshop in Mathematical Physics “Recent Advances in Mathematical Physics”, December 5-6, 2020, Yerevan, Armenia (with A. Nersessian, A. Rusetsky and M. Tabidze).

Co-organizer, Bethe Forum “Multihadron dynamics in a box – A.D. 2022”, 21 -25 February, 2022, BCTP, Bonn, Germany (with M. Mai, A. Rusetsky and C. Urbach).

CONFERENCE ADVISORY BOARDS & PROGRAM COMMITTEES

Program Committee of the workshop “Chiral Dynamics: Theory and Experiment”, MIT (Cambridge, USA), July 1994.

International Advisory Committee of the Workshop on “Chiral Dynamics: Theory and Experiment”, Mainz, Germany, September 1-5, 1997

International Advisory Committee of the Conference “Baryons ’98”, Bonn, Germany, Sept. 22-26, 1998.

Member of the organizing committee of the 8th International Conference on “Meson–Nucleon Physics” (MENU 99), Zuzo, Switzerland, August 10-16, 1999.

International Advisory Committee of the 1st Summer School on COSY Physics, Rolduc Conference Centre, Jülich, FRG, Aug. 30 - Sept. 4, 2002.

International Advisory Committee of the 17th International IUPAP Conference on Few-Body Problems in Physics “FB 17”, Durham, NC, USA, June 5-10, 2003.

International Advisory Committee of the Workshop “From Parity Violation to Hadronic Structure and more ... (part 2)”, Grenoble, France, March 3-6, 2004.

Advisory Committee of the 19th International Conference on European Few-Body Problems in Physics “FB 19”, Groningen, Netherlands, August, 2004.

International Advisory Committee of the International conference on “Low energy antiproton physics” (LEAP ’05), Gustav-Stresemann-Institute, Bonn, Germany, May 16-22, 2005.

International Advisory Committee of The Third Asia-Pacific Conference on Few-Body Problems in Physics (APFB05), Nakhon Ratchasima, Thailand, July 26 - 30, 2005.

International Advisory Committee of the workshop “The Shape of Hadrons”, Institute for Accelerating Systems, Athens University, Athens, Greece, April 27-30, 2006.

International Advisory Committee of the conference “IVth International Conference on Quarks and Nuclear Physics (QNP06)”, Madrid, Spain, June 5-10, 2006.

International Advisory Committee and Program Committee of the conference “Chiral Dynamics V: Theory and Experiment”, Duke University, Durham, USA, Sept. 18-22, 2006.

International Advisory Committee and Program Committee of the conference “NSTAR 2007 – Workshop on the Physics of Excited Nucleons”, Bonn University, Germany, Sept. 5-8, 2007.

International Advisory Committee of the conference “LIGHT CONE 2008 – Relativistic Nuclear and Particle Physics”, Mulhouse, France, July 7-11, 2008.

International Advisory Committee of the conference “Vth International Conference on Quarks and Nuclear Physics (QNP09)”, Beijing, China, Spet. 21-26, 2009.

International Advisory Committee and Program Committee of the conference “Chiral Dynamics VI: Theory and Experiment”, Bern University, Bern, Switzerland, July 2009.

International Advisory Committee of the workshop “Chiral10”, Valencia (Spain), June 21-24, 2010.

International Advisory Committee of 21st European Conference on Few-Body Problems in Physics (EFB21), Salamanca, Spain Aug.29 - Sept. 3, 2010.

International Advisory Committee of the conference “NSTAR 2011 – Workshop on the Physics of Excited Nucleons”, Jefferson Lab, USA, May 2011.

International Advisory Committee of The Fifth Asia-Pacific Conference on Few-Body Problems in Physics 2011 Seoul, Korea, August 22-26, 2011.

International Advisory Committee, 5th International Symposium on Symmetries in Subatomic Physics, Groningen, the Netherlands, June 2012.

International Advisory Committee and Program Committee of the conference “Chiral Dynamics VII: Theory and Experiment”, Jefferson Lab, Newport News, USA, 2012.

International Advisory Committee, The 20th International IUPAP Conference on Few-Body Problems in Physics (FB20), Fukuoka, Japan, August 2012.

International Advisory Committee, 9th Workshop on the “Physics of Excited Nucleons” (NSTAR 2013), Peniscola, Spain, May 27-30, 2013.

International Advisory Committee, 22nd European Conference on Few-Body Problems in Physics, Cracow, Poland, September 9-13, 2013.

International Advisory Committee, 13th International Conference on “Meson-Nucleon Physics and the Structure of the Nucleon” (MENU 2013) Rome, Italy, September 30 - October 4, 2013.

International Advisory Committee, Chiral13: “International Symposium on Chiral Symmetry in Hadrons and Nuclei”, Beijing, China, October 27-30, 2013.

International Advisory Committee, “Conference on Science and Technology of FAIR at Europe,” Worms, Germany, October 2014

International Advisory Committee, The 10th International Workshop on “the Physics of Excited Nucleons” (NSTAR2015), Osaka, Japan, May 25-28, 2015.

International Advisory Committee, 6th International Symposium on “Symmetries in Subatomic Physics” (SSP 2015), Victoria, B.C., Kanada, June 8-12, 2015.

International Advisory Committee and Program Committee of the conference “Chiral Dynamics VIII: Theory and Experiment”, Univ. of Pisa, Pisa, Italy, 2015.

International Advisory Committee, “Computational Advances in Nuclear and Hadron Physics (CANHP 2015)”, Yukawa Institute for Theoretical Physics, Kyoto University (YITP), Japan, September/October 2015.

International Advisory Committee, The 14th International Conference on “Meson-Nucleon Physics and the Structure of the Nucleon”, Kyoto, Japan, July 25-30, 2016.

International Advisory Committee, The Seventh Asia-Pacific Conference on Few-Body Problems in Physics (APFB 2017), Guilin, China, Aug. 25-29, 2017.

International Advisory Committee, XVII International Conference on “Hadron Spectroscopy and Structure” (Hadron 2017), Salamanca, Spain, September 25th-29th, 2017.

International Advisory Committee, International Conference on “Few-Body Problems in Physics” (FB22) Caen, France, July 9-13, 2018.

International Advisory Committee, International Workshop on Partial Wave Analysis and Advanced Tools for Hadron Spectroscopy PWA10/ATHOS5, IHEP, Beijing, China, July 2018.

International Advisory Committee and Program Committee of the conference “Chiral Dynamics IX: Theory and Experiment”, Duke Univ., Durham, USA, 2018.

International Advisory Committee and Program Committee of the conference “NSTAR 2019 – Workshop on the Physics of Excited Nucleons”, Bonn University, Germany, June 11 - 14, 2019.

International Advisory Committee, 18th International Conference on Hadron Spectroscopy and Structure (HADRON2019), Guilin, China, August 16-21, 2019.

International Advisory Committee, International Workshop on Partial Wave Analyses and Advanced Tools for Hadron Spectroscopy (PWA/ATHOS 2019), Rio de Janeiro, Brazil, September 12-16, 2019

International Advisory Committee, The Eight Asia-Pacific Conference on Few-Body Problems in Physics (APFB 2020), Kanazawa, Japan, Aug. 19-23, 2020.

International Advisory Committee, 14th international conference on Nucleus Nucleus Collisions 2021 (NN2021), Whistler, BC, Canada, July 18-23, 2021.

International Advisory Committee, 19th International Conference on Hadron Spectroscopy and Structure (HADRON2021), Mexico City, Mexico, July 26-31, 2021.

International Advisory Committee, “Chiral Dynamics X: Theory and Experiment”, Institute of High-Energy Physics, Beijing, China, September 2021.

International Advisory Committee, XXXIIIth Int’l Workshop on High Energy Physics, “Hard Problems of Hadron Physics: Non-Perturbative QCD & Related Quests,” IHEP, Protvino, Russia, November 8-12, 2021.

International Advisory Committee, International Nuclear Physics Conference (INPC2022), Cape Town, South Africa, September 11-16, 2022.

OTHER PROFESSIONAL ACTIVITIES

Spokesperson of the large research network “Hadron physics: theory” of the EU I3HP program “Study of strongly interacting matter” within the EU FP 6 (2004-2008).

Spokesperson of the large research network “QCDnet” of the EU I3HP program “HadronPhysics2” within the EU FP 7 (2009-2011).

Spokesperson of the large research network “EPOS” of the EU I3HP program “HadronPhysics3” within the EU FP 7 (2012-2014).

Executive Board of the Collaborative Research Center SFB/TR-16 “Subnuclear Structure of Matter” at Bonn University, Ruhr-Universität Bochum and Gießen University (2004-2008).

Spokesperson of the Collaborative Research Center SFB/TR-16 “Subnuclear Structure of Matter” at Bonn University, Ruhr-Universität Bochum and Gießen University (2008-2012).

Spokesperson of the Collaborative Research Center SFB/TR-110 “Symmetries and the Emergence of Structure in QCD” at Bonn University, Forschungszentrum Jülich, TU München, Institute of High-Energy Physics, Peking University, Institute of Theoretical Physics/CAS, Ruhr-Universität Bochum, (since 2012).

Co-Speaker and Executive Board of the Collaborative Research Center SFB/TR-16 “Subnuclear Structure of Matter” at Bonn University, Ruhr-Universität Bochum and Gießen University (2004-2008, 2013-2016).

Spokesperson of the Virtual Institute on “Spin and strong QCD” (VIQCD) of the Helmholtz Society (2007-2011).

Project coordinator, Regional Training Network in Theoretical Physics (Bonn, Siegen, Tiflis, Yerevan), funded by Volkswagen Stiftung (2013-2017).

Project coordinator, Regional Doctoral Program in Theoretical and Experimental Particle Physics (Bonn, Jülich, Siegen, Tiflis, Yerevan), funded by Volkswagen Stiftung (2018-2021).

Fachkollegiat der DFG, Fachkollegium 309 “Teilchen, Kerne und Felder” (Apr. 2008 - Mar. 2012)

Fachkollegiat der DFG, Fachkollegium 309-01 “Kern- und Elementarteilchenphysik, Quantenmechanik, Relativitätstheorie, Felder” (Apr. 2020 - Mar. 2023)

Member, Gutachterausschuß des BMBF “Hadronen- und Kernphysik” (2009-2012)

Chairman, Gutachterausschuß des BMBF “Hadronen- und Kernphysik” (2012-2015)

Co-Chairman, Gutachterausschuß des BMBF “Physik der kleinsten Teilchen” (2015-2018)

Member of the Emmy-Noether-Selection Panel of the DFG (2008-2012 & 2020-2023)

German/DFG delegate of NuPECC (The Nuclear Physics European Collaboration Committee) (from Jun. 2016)

Acting Director, Helmholtz Institut für Strahlen- und Kernphysik (Oct. 2003 - Sep. 2006)

Head of the Department of Physics & Astronomy, Bonn University (Oct. 2006 - Sep. 2008)

Dean of the Faculty of Natural Sciences and Mathematics, Bonn University (Oct. 2008 - Sep. 2016)

Founding member and Associate Director of the Bethe Center for Theoretical Physics (bctp) at Bonn University (Jan. 2008 - Feb. 2021)

Director of the Bethe Center for Theoretical Physics (bctp) at Bonn University (from Mar. 2021)

Founding member and Associate Director of the Center for Science and Thought (CST), Physics at Bonn University (from Jul. 2017)

Principal Investigator of the Bonn-Cologne Graduate School of Physics and Astronomy (from Jun. 2007)

Principal Investigator of the German Research School for Simulation Sciences, Forschungszentrum Jülich (2007-2016)

Director, Institute for Advanced Simulation (IAS-4, Theorie der Starken Wechselwirkung), FZ Jülich (from Jan. 2010)

Member of JARA-HPC (High Performance Computing), 2011-2018

Founding member of JARA-FAME (Forces and Matter Experiments), 2013-

Editor-in-Chief of “The European Physical Journal A: Hadrons and Nuclei” (May 2007 - Dec. 2013)

Editorial board of “The European Physical Journal A: Hadrons and Nuclei” (April 2003 - April 2007, since Jan. 2014)

Editorial board of “Progress in Particle and Nuclear Physics” (2004 - 2008)

Editorial board of “Communications in Theoretical Physics” (since June 2013)

Editorial board of “Symmetry” (since August 2020)

Member of the PAC of the “The Svedberg Laboratory”, Uppsala, Sweden (1997 - 2005).

Member of the ELSA (Bonn) – MAMI (Mainz) Program Advisory Committee (2005 - 2008).

Member of the COSY-PAC and the Beirat (Scientific Council) of the IKP, FZ Jülich, ex officio (2003 - 2014).

Member of the Scientific Council of the “Physik-Zentrum Bad Honnef” (Nov. 2005 - Dec. 2011)

Member of the Scientific Advisory Committee of the Collaborative Research Center (SFB) 1245 “Nuclei: From fundamental interactions to structure and stars, TU Darmstadt (since Jan. 2016).

Evaluator for the “Ramon y Cajal” program (Spain 2003).

Selection Committee of the Leonard-Euler-Program of the German Academic Exchange Service (2006 - 2013).

Selection Committee for the Chinese participants of the Lindau Noble Prize Winners meeting, DFG & NSFC (Feb. 2010, March 2015, Feb. 2019).

Kuratorium der Dr. Klaus Erkelenz Stiftung (2013 -).

EBAC review panel, Jefferson Laboratory, Newport News, USA (July 2009).

Panel, quadrennial review of the U.S. National Laboratory Medium Energy Research Groups, USDOE, Germantown, USA (May 2010).

Member, review panel, “Evaluation der Technik- und Naturwissenschaften der Universität Bielefeld”, Bielefeld, Germany (March 2012).

Member, review panel, “Evaluation of the Stefan Meyer Institute”, Österreichische Akademie der Wissenschaften, Wien, Austria (June 2018).

Member, review panel, “Evaluation of the Institute of High-Energy Physics”, Chinese Academy of Sciences, Beijing, China (June 2018).

Member, review panel, “Evaluation of the School of Physics”, Peking University, Beijing, China (December 2018).

Grant reviews for: Deutsche Forschungsgemeinschaft (DFG), Natural Sciences and Research Council of Canada (NSERC), The Israel Science Foundation (Israel), National Science Foundation (NSF) (USA), US Department of Energy (USDOE) (USA), Fonds zur Förderung der Wissenschaften (FWF) (Austria), Schweizerischer Nationalfonds (SNF) (Switzerland), Academy of Finland and Tekes, the Finnish Funding Agency for Technology and Innovation (Finland).

Referee for: Nuclear Physics A and B, Physics Letters B, Physics Reports, Physical Review Letters, Physical Review A, B, C and D, Journal of Physics G, Modern Physics Letters A, Zeitschrift für Physik A and C, Annals of Physics (NY), Progress in Nuclear and Particle Physics, Europhysics Letters, Helvetia Physica Acta, European Physical Journal A & C, Reviews of Modern Physics, Progress of Theoretical and Experimental Physics, Communications in Theoretical Physics, Chinese Physics C.

PLANING OF EXPERIMENTAL ACTIVITIES & COLLABORATIONS

H.R. Weller, A.E. Champgane, C.R. Gould, D.G. Haase, C.R. Howell, V. Litvinenko, M.J. Madey, Ulf Meißner, B.E. Norum, P.G. O’Shea, N.R. Robertson, K.D. Straub and W. Tornow, “Proposal to the US Department of Energy for the Support of an Inverse Compton γ -ray source (HIGS) for Nuclear Physics,” accepted. The machine is operating.

D. Crabb et al. (Bigbite Collaboration), “Precision Measurements of Electroproduction of π^0 near threshold: A Test of Chiral QCD Dynamics,” Jefferson Lab PAC19 Proposal, accepted.

Member of the *PAX Collaboration (Polarization Experiments with Antiprotons)*, Spokespersons Frank Rathmann and Paolo Lenisa, to perform Antiproton-Proton Scattering Experiments with Polarization at the HESR of the GSI-FAIR, for details see <http://www.fz-juelich.de/ikp/pax/>. The proposal can also be found under <http://arxiv.org/abs/hep-ex/0505054>.

Member of the WASA-at-COSY Collaboration, Corresponding Authors: Bo Hoistad and Jim Ritman, to perform symmetry tests in η and η' decays and hadron spectroscopy with the WASA detector at the Cooler Synchrotron at IKP Jülich, for details see <http://www.fz-juelich.de/ikp/wasa/index.shtml>. The proposal can also be found under <http://arxiv.org/abs/nucl-ex/0411038>.

Member of the *JEDI (Jülich Electric Dipole moment Investigations) Collaboration*. JEDI is aiming to carry out a long term project for the measurement of permanent electric dipole moments of charged particles in a storage ring. Spokespersons: J. Pretz, A. Lehrach and F. Rathmann. Details can be found under <http://www2.fz-juelich.de/ikp/jedi/index.shtml>.

Founding member of the *NLEFT (Nuclear Lattice Effective Field Theory) Collaboration*. NLEFT is carrying out forefront research in nuclear structure and reaction theory by combining the successful methods of chiral nuclear EFT and Monte Carlo simulations.

Founding member of the *Low Energy Nuclear Physics International Collaboration (LENPIC)*. LENPIC aims to develop chiral effective field theory nucleon-nucleon and three-nucleon interactions complete through fourth order in the chiral expansion (N3LO). Using these new interactions, LENPIC aims to solve the structure and reactions of light nuclei including electroweak observables with consistent treatment of the corresponding exchange currents. See <http://www.lenpic.org/>.

S. Adhikari et al. (GlueX Collaboration), “Strange Hadron Spectroscopy with a Secondary K_L Beam at GlueX,” Jefferson Lab PAC45 Proposal, see <https://arxiv.org/pdf/1707.05284.pdf>.

F. Abusaif et al. (CPEDM Collaboration), “Storage Ring to Search for Electric Dipole Moments of Charged Particles – Feasibility Study,” CERN-PBC-REPORT-2019-002, see <https://arxiv.org/pdf/1912.07881.pdf>.

RESEARCH INTERESTS

- Symmetry breaking and vacuum structure of QCD
- Non-perturbative structure of the nucleon
- Nuclear lattice simulations
- Resonance properties from lattice field theory
- Photo-nucleon and photo-nuclear physics
- Effective field theory for nuclear forces & nuclei
- Baryon chiral perturbation theory
- Isospin violation and quark masses
- Chiral perturbation theory beyond one loop
- Radiative corrections for hadronic processes
- Chiral extrapolations for lattice QCD
- Baryon resonances in lattice QCD
- Nuclear forces and few-nucleon systems
- Chiral, scale and trace anomalies
- Hadronic parity violation
- Hadrons at finite temperature and density
- Baryon form factors
- Dispersion relations and their applications
- Hadronic atoms
- Hadronic decays of heavy mesons
- Heavy-light quark systems
- Charmonium and bottomonium transitions
- Effective Lagrangians for electroweak symmetry breaking
- Stochastic quantization of quantum field theories
- Models of chiral symmetry breaking and dynamical mass generation
- Topological solitons / Skyrmions
- Casimir effects

LIST OF PUBLICATIONS

I. Published Papers

1. Ulf-G. Meißner and M. Gari, “Contribution of the $\rho\pi\gamma$ -Meson Exchange Current in the Two-Boson Exchange Model,” *Phys. Lett.* **125B** (1983) 364.
2. Ulf-G. Meißner, “Is There Need for Baryons with Constituent Glue?,” *Phys. Lett.* **128B** (1983) 99.
3. I. Zahed, Ulf-G. Meißner and U. B. Kaulfuß, “Low-Lying Resonances in the Skyrme Model Using the Semi-Classical Approximation,” *Nucl. Phys.* **A426** (1984) 525.
4. I. Zahed, Ulf-G. Meißner and A. Wirzba, “Casimir Effects in Chiral Bag Models,” *Phys. Lett.* **145B** (1984) 117.
5. Ulf-G. Meißner and J. W. Durso, “Effects of Bag Surface Motion with Relativistic Kinematics,” *Nucl. Phys.* **A430** (1984) 670.
6. Ulf-G. Meißner and U. B. Kaulfuß, “Three-Body Potential in the Skyrme Model,” *Phys. Rev.* **C30** (1984) 2058.
7. I. Zahed, A. Wirzba, Ulf-G. Meißner, C. Pethick and J. Ambjørn, “Periodic Skyrme Solitons,” *Phys. Rev.* **D31** (1985) 1114.
8. Ulf-G. Meißner, “Toroidal Solitons with Unit Hopf-Charge,” *Phys. Lett.* **154B** (1985) 180.
9. U. B. Kaulfuß and Ulf-G. Meißner, “The Breathing Mode of the Modified Skyrmion,” *Phys. Lett.* **154B** (1985) 183.
10. U. B. Kaulfuß and Ulf-G. Meißner, “Deformation Effects in The Skyrmion-Skyrmion Interaction,” *Phys. Rev.* **D31** (1985) 3024.
11. I. Zahed, A. Wirzba and Ulf-G. Meißner, “Chiral Vacuum Effects in a Topological Bag Model of the Light Hadrons,” *Ann. Phys. (NY)* **165** (1985) 406.
12. Ulf-G. Meißner, “Some Remarks on Vector Mesons Coupled to Skyrmions,” *Phys. Lett.* **166B** (1986) 169.
13. I. Zahed, A. Wirzba and Ulf-G. Meißner, “Soft-Pion Corrections to the Skyrme Soliton,” *Phys. Rev.* **D33** (1986) 830.
14. Ulf-G. Meißner and I. Zahed, “Skyrmions in the Presence of Vector Mesons,” *Phys. Rev. Lett.* **56** (1986) 1035.
15. U. B. Kaulfuß and Ulf-G. Meißner, “Stochastic Regularization of Fermions,” *Phys. Rev.* **D33** (1986) 2416.
16. Ulf-G. Meißner, N. Kaiser, A. Wirzba and W. Weise, “Skyrmions with ρ and ω Mesons as Dynamical Gauge Bosons,” *Phys. Rev. Lett.* **57** (1986) 1676.
17. Ulf-G. Meißner and N. Kaiser, “Massive Yang–Mills Approach to Skyrmions with Vector Mesons: A Study of an $U(2)_V$ Model,” *Z. Phys.* **A325** (1986) 267.

18. Ulf-G. Meißner and N. Kaiser, “ $U(2)_V$ Yang–Mills Approach to Skyrmions with Vector Mesons: Axial Properties of Nucleons,” *Phys. Lett.* **180B** (1986) 129.
19. Ulf-G. Meißner and I. Zahed, “Skyrmions in Nuclear Physics,” *Adv. in Nucl. Phys.* **17** (1986) 143.
20. Ulf-G. Meißner, “A study of the Adiabatic Approximation in a $(1 + 1)$ -Dimensional Composite Model,” *Nuovo Cimento* **95A** (1986) 211.
21. Ulf-G. Meißner, “Rho Mesons in the Skyrme Model: An Alternative Approach,” *Phys. Lett.* **185B** (1987) 399.
22. Ulf-G. Meißner and N. Kaiser, “Bag Formation in the Presence of Vector Mesons,” *Phys. Rev.* **D35** (1987) 2859.
23. Ulf-G. Meißner, N. Kaiser and W. Weise, “Nucleons as Skyrme Solitons with Vector Mesons: Electromagnetic and Axial Properties,” *Nucl. Phys.* **A466** (1987) 685.
24. Ulf-G. Meißner and I. Zahed, “Nucleons from Skyrmions with Vector Mesons,” *Z. Phys.* **A327** (1987) 5.
25. Ulf-G. Meißner and N. Kaiser, “ $U(2)_V$ Yang–Mills Approach to Skyrmions with Vector Mesons: Electromagnetic Properties of Nucleons,” *Phys. Rev.* **D36** (1987) 203.
26. V. Bernard, Ulf-G. Meißner and I. Zahed, “Decoupling of the Pion at Finite Temperature and Density,” *Phys. Rev.* **D36** (1987) 819.
27. V. Bernard, Ulf-G. Meißner and I. Zahed, “Properties of the Scalar σ Meson at Finite Density,” *Phys. Rev. Lett.* **59** (1987) 966.
28. V. Bernard, R. L. Jaffe and Ulf-G. Meißner, “Flavor Mixing via Dynamical Chiral Symmetry Breaking,” *Phys. Lett.* **198B** (1987) 92.
29. N. Kaiser, Ulf-G. Meißner and W. Weise, “Pion-Nucleon Vertex Form Factor in a Chiral Soliton Model with Vector Mesons,” *Phys. Lett.* **198B** (1987) 319.
30. Ulf-G. Meißner, “Low Energy Hadron Physics from Effective Chiral Lagrangians with Vector Mesons”, *Phys. Reports* **161** (1988) 213.
31. Ulf-G. Meißner, R. Johnson, N. W. Park and J. Schechter, “Bag Formation in the Presence of Vectors Mesons II: Inclusions of Scalars,” *Phys. Rev.* **D37** (1988) 1285.
32. P. Jain, R. Johnson, Ulf-G. Meißner, N. W. Park and J. Schechter, “Realistic Pseudoscalar-Vector Chiral Lagrangian and its Soliton Excitations,” *Phys. Rev.* **D37** (1988) 3252.
33. V. Bernard and Ulf-G. Meißner, “Meson Properties at Finite Density from $SU(3)_f$ Quark Dynamics,” *Phys. Rev.* **D38** (1988) 1551.
34. N. Kaiser, U. Vogl, W. Weise and Ulf-G. Meißner, “Meson-Nucleon Form Factors in a Chiral Soliton Model,” *Nucl. Phys.* **A484** (1988) 593.

35. V. Bernard, R. L. Jaffe and Ulf-G. Meißner, “Strangeness Mixing and Quenching in the Nambu–Jona-Lasinio Model,” *Nucl. Phys.* **B308** (1988) 753.
36. V. Bernard and Ulf-G. Meißner, “Electromagnetic Structure of the Pion and the Kaon,” *Phys. Rev. Lett.* **61** (1988) 2296.
37. V. Bernard and Ulf-G. Meißner, “Properties of Vector and Axial-Vector Mesons from a Generalized Nambu–Jona-Lasinio Model,” *Nucl. Phys.* **A489** (1988) 647.
38. N. Kaiser and Ulf-G. Meißner, “The Weak Pion-Nucleon Vertex Revisited,” *Nucl. Phys.* **A489** (1988) 671.
39. V. Bernard and Ulf-G. Meißner, “Strange Goings On in the Proton?,” *Phys. Lett.* **216B** (1989) 392.
40. Ulf-G. Meißner, “Medium Modifications of the Neutron Charge Form Factor,” *Phys. Rev. Lett.* **62** (1989) 1013.
41. Ulf-G. Meißner, N. Kaiser, H. Weigel and J. Schechter, “Realistic Pseudoscalar-Vector Lagrangian. Static and Dynamical Baryon Properties,” *Phys. Rev.* **D39** (1989) 1956.
42. Ulf-G. Meißner, “Chiral Symmetry and Medium Modifications of Nucleon Properties,” *Phys. Lett.* **220B** (1989) 1.
43. V. Bernard and Ulf-G. Meißner, “Quark Mass Differences and Isospin Violation in the Pion-Nucleon Coupling Constants,” *Phys. Rev.* **C39** (1989) 2054.
44. V. Bernard and Ulf-G. Meißner, “Low Energy Constraints on Strange Matrix-Elements of the Proton,” *Phys. Lett.* **223B** (1989) 439.
45. N. Kaiser and Ulf-G. Meißner, “Novel Calculations of Weak Meson Nucleon Couplings,” *Nucl. Phys.* **A499** (1989) 699.
46. V. Bernard and Ulf-G. Meißner, “Nucleons Below the Chiral Phase Transition,” *Phys. Lett.* **227B** (1989) 465.
47. Ulf-G. Meißner and V. Bernard, “The Nambu–Jona-Lasinio Model: Applications and Limitations of a Strong Coupling Theory,” *Comm. Nucl. Part. Phys.* **19** (1989) 67.
48. Ulf-G. Meißner, “Boson Exchange Phenomenology: A First Step from Nucleons to Nuclei,” *Nucl. Phys.* **A503** (1989) 801.
49. V. Bernard and Ulf-G. Meißner, “Higher Order Corrections to the Scalar Quark Density in the Proton,” *Phys. Rev.* **D41** (1990) 203.
50. N. Kaiser and Ulf-G. Meißner, “Correlated Two-Pion Exchange and the Elusive Intermediate-Range Attraction in Skyrme-type Models,” *Phys. Lett.* **B233** (1990) 457.
51. N. Kaiser and Ulf-G. Meißner, “The Nucleon-Nucleon Interaction from a Realistic Pseudoscalar-Vector Chiral Lagrangian,” *Nucl. Phys.* **A506** (1990) 417.

52. Ulf-G. Meißner and V. Pasquier, “A Chiral Soliton Model with Mesonic Democracy,” *Phys. Lett.* **B235** (1990) 153.
53. C. L. Korpa and Ulf-G. Meißner, “Flavor-Mixing Structure Functions in the Nambu-Jona-Lasinio Model,” *Phys. Rev.* **D41** (1990) 1679.
54. D. E. Driscoll and Ulf-G. Meißner, “Topological Soliton Model Calculation of the Proton-Proton Parity-Violating Interaction,” *Phys. Rev.* **C41** (1990) 1303.
55. V. Bernard, N. Kaiser and Ulf-G. Meißner, “Axial Charges and Form Factors of the Nucleon,” *Phys. Lett.* **B237** (1990) 545.
56. N. Kaiser and Ulf-G. Meißner, “Theoretical Aspects of Nuclear Parity Violation,” *Nucl. Phys.* **A510** (1990) 759.
57. V. Bernard, N. Kaiser and Ulf-G. Meißner, “Nucleon Structure Uncertainties in Parity-Violating Quasi-Elastic Electron Scattering,” *Phys. Lett.* **B243** (1990) 439.
58. N. Kaiser and Ulf-G. Meißner, “The Pseudoscalar Nucleon-Nucleon Interaction from a Chiral Soliton Model,” *Nucl. Phys.* **A515** (1990) 648.
59. Ulf-G. Meißner, “Parity Violation in Few-Nucleon Systems: Where Do We Stand?,” *Mod. Phys. Lett.* **A5** (1990) 1703.
60. N. Kaiser and Ulf-G. Meißner, “Generalized Hidden Symmetry For Low-Energy Hadron Physics,” *Nucl. Phys.* **A519** (1990) 671.
61. H. Weigel, J. Schechter, N. W. Park and Ulf-G. Meißner, “Kaon Excitation in the SU(3) Skyrme Model,” *Phys. Rev.* **D42** (1990) 3177.
62. V. Bernard and Ulf-G. Meißner, “Hot Nucleons,” *Ann. Phys. (N.Y.)* **206** (1991) 50.
63. V. Bernard, Ulf-G. Meißner, A. Blin and B. Hiller, “Four-Point Functions in Quark Flavor Dynamics: Meson-Meson Scattering,” *Phys. Lett.* **B253** (1991) 443.
64. Ulf-G. Meißner, “Chiral Dynamics: Where are the Scalars?,” *Comments Nucl. Part. Phys.* **20** (1991) 119.
65. J. Gasser and Ulf-G. Meißner, “On the Phase of ϵ' ,” *Phys. Lett.* **B258** (1991) 219.
66. V. Bernard, N. Kaiser and Ulf-G. Meißner, “Threshold Parameters of πK Scattering in QCD,” *Phys. Rev.* **D43** (1991) 2757.
67. J. Gasser and Ulf-G. Meißner, “Chiral Expansion of Pion Form Factors Beyond One Loop,” *Nucl. Phys.* **B357** (1991) 90.
68. V. Bernard, N. Kaiser and Ulf-G. Meißner, “ πK Scattering in Chiral Perturbation Theory to One Loop,” *Nucl. Phys.* **B357** (1991) 129.
69. V. Bernard and Ulf-G. Meißner, “The Nambu-Jona-Lasinio Model in the Light of Chiral Perturbation Theory Revisited,” *Phys. Lett.* **B266** (1991) 403.

70. V. Bernard, N. Kaiser and Ulf-G. Meißner, “Chiral Perturbation Theory in the Presence of Resonances: Application to $\pi\pi$ and πK Scattering”, *Nucl. Phys.* **B364** (1991) 283.
71. V. Bernard, N. Kaiser and Ulf-G. Meißner, “Chiral Expansion of the Nucleon’s Electromagnetic Polarizabilities”, *Phys. Rev. Lett.* **67** (1991) 1515.
72. V. Bernard, N. Kaiser, J. Gasser and Ulf-G. Meißner, “Neutral Pion Photo-production at Threshold”, *Phys. Lett.* **B268** (1991) 291.
73. Ulf-G. Meißner and H. Weigel, “Chiral Symmetry and the Neutron-Proton Mass Difference in the Medium”, *Phys. Lett.* **B267** (1991) 167.
74. V. Bernard, N. Kaiser and Ulf-G. Meißner, “ $\pi\eta$ Scattering in QCD”, *Phys. Rev.* **D44** (1991) 3698.
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77. V. Bernard, A. Osipov and Ulf-G. Meißner, “Consistent Treatment of the Bosonized Nambu–Jona-Lasinio Model”, *Phys. Lett.* **B285** (1992) 119.
78. V. Bernard, N. Kaiser and Ulf-G. Meißner, “Determining the axial radius of the nucleon from data on pion electroproduction”, *Phys. Rev. Lett.* **69** (1992) 1877.
79. V. Bernard, N. Kaiser, J. Kambor and Ulf-G. Meißner, “Hyperon Polarizabilities”, *Phys. Rev.* **D46** (1992) 2756.
80. V. Bernard, A. Osipov and Ulf-G. Meißner, “On the low-energy theorem for the $a_1 \rightarrow \pi(\pi\pi)_s$ decay”, *Phys. Lett.* **B292** (1992) 205.
81. V. Bernard, N. Kaiser and Ulf-G. Meißner, “Threshold Pion Photoproduction in Chiral Perturbation Theory”, *Nucl. Phys.* **B383** (1992) 442.
82. V. Bernard, N. Kaiser, J. Kambor and Ulf-G. Meißner, “Chiral Structure of the Nucleon”, *Nucl. Phys.* **B388** (1992) 315.
83. Ulf-G. Meißner, “Chiral Perturbation Theory with Nucleons”, *Int. J. Mod. Phys.* **E1** (1992) 561.
84. V. Bernard, N. Kaiser, T.-S. H. Lee and Ulf-G. Meißner, “Chiral Symmetry and π^0 Electroproduction”, *Phys. Rev. Lett.* **70** (1993) 387.
85. V. Bernard, A. Blin, B. Hiller, Ulf-G. Meißner and M. Ruivo, “Strong and Radiative Meson Decays in a Generalized Nambu–Jona-Lasinio Model”, *Phys. Lett.* **B305** (1993) 163 [arXiv:hep-ph/9302245].
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II. Papers to appear

- A1 E. Epelbaum, J. Gegelia, H. P. Huesmann, Ulf-G. Meißner and X. L. Ren, “Effective field theory for shallow P-wave states,” *Few-Body Syst.* (2021) in print. [arXiv:2104.01823 [nucl-th]].
- A2 J. Haidenbauer and Ulf-G. Meißner, “On the structure in the ΛN cross section at the ΣN threshold,” *Chin. Phys. C* (2021) in print. [arXiv:2105.00836 [nucl-th]].
- A3 D. Lee, S. Bogner, B. A. Brown, S. Elhatisari, E. Epelbaum, H. Hergert, M. Hjorth-Jensen, H. Krebs, N. Li, B. N. Lu and Ulf-G. Meißner, “Hidden spin-isospin exchange symmetry,” *Phys. Rev. Lett.* (2021) in print [arXiv:2010.09420 [nucl-th]].
- A4 X. L. Ren, E. Epelbaum, J. Gegelia and Ulf-G. Meißner, “The $\Lambda(1405)$ in resummed chiral effective field theory,” *Eur. Phys. J. C* (2021) in print [arXiv:2102.00914 [hep-ph]].

III. Commissioned articles

- Co1 Ulf-G. Meißner, M. Mai, C. Urbach, “Towards a theory of hadron resonances,” commissioned review article for *Physics Reports* (2022).
- Co2 D. J. Lee and Ulf-G. Meißner, “Ab initio nuclear lattice simulations,” commissioned review article for *Physics Reports* (2022).

IV. Submitted papers

- S1 P. Saviankou, S. Krewald, E. Epelbaum and Ulf-G. Meißner, “Saturation of nuclear matter in effective field theory,” arXiv:0802.3782 [nucl-th].

- S2 S. Holz, J. Plenter, C. W. Xiao, T. Dato, C. Hanhart, B. Kubis, Ulf-G. Meißner and A. Wirzba, “Towards an improved understanding of $\eta \rightarrow \gamma^* \gamma^*$,” [arXiv:1509.02194 [hep-ph]].
- S3 X. Xiong, T. Luu and Ulf-G. Meißner, “Quasi-Parton Distribution Function in Lattice Perturbation Theory,” [arXiv:1705.00246 [hep-ph]].
- S4 E. Wilbring, H.-W. Hammer and Ulf-G. Meißner, “Three-body universality in the B meson sector,” [arXiv:1705.06176 [hep-ph]].
- S5 Q. B. Chen, N. Kaiser, Ulf-G. Meißner and J. Meng, “Effective field theory for triaxially deformed odd-mass nuclei,” [arXiv:2003.04065 [nucl-th]].
- S6 C. Kalmahalli Guruswamy, Ulf-G. Meißner and C. Y. Seng, “Extracting the low-energy constant L_0^r at three flavors from pion-kaon scattering,” [arXiv:2102.03059 [hep-lat]].
- S7 M. L. Du, V. Baru, F. K. Guo, C. Hanhart, Ulf-G. Meißner, J. A. Oller and Q. Wang, “Revisiting the nature of the P_c pentaquarks,” [arXiv:2102.07159 [hep-ph]].
- S8 C. Y. Seng, D. Galviz, M. Gorchtein and Ulf-G. Meißner, “High-precision determination of the K_{e3} radiative corrections,” [arXiv:2103.00975 [hep-ph]].
- S9 C. Y. Seng, D. Galviz, M. Gorchtein and Ulf-G. Meißner, “Improved K_{e3} radiative corrections sharpen the $K_{\mu 2}$ - $K_{l 3}$ discrepancy,” [arXiv:2103.04843 [hep-ph]].
- S10 T. Vonk, F. K. Guo and Ulf-G. Meißner, “The axion-baryon coupling in SU(3) heavy baryon chiral perturbation theory,” [arXiv:2104.10413 [hep-ph]].
- S11 S. Shen, T. A. Lähde, D. Lee and Ulf-G. Meißner, “Wigner SU(4) symmetry, clustering, and the spectrum of ^{12}C ,” [arXiv:2106.04834 [nucl-th]].
- S12 Y. H. Lin, H.-W. Hammer and Ulf-G. Meißner, “Dispersion-theoretical analysis of the electromagnetic form factors of the nucleon: Past, present and future,” [arXiv:2106.06357 [hep-ph]].
- S13 J. Haidenbauer, Ulf-G. Meißner and A. Nogga, “Constraints on the Λ -neutron interaction from charge symmetry breaking in the ${}^4_\Lambda\text{He}$ - ${}^4_\Lambda\text{H}$ hypernuclei,” [arXiv:2107.01134 [nucl-th]].

V. Conference Proceedings, Schools and Invited Talks

- B1 Ulf-G. Meißner, “Relativistic Surface Motion of the Bag and Construction of Meson-Nucleon Form Factors,” in *Proceedings of the Tenth International Conference on Few-Body Problems in Physics*, Karlsruhe, West Germany, 1983.
- B2 Ulf-G. Meißner, “The Electroweak Structure of the Nucleon,” invited talk presented at the Workshop on Intermediate Energy Physics, Heiligenstadt, West Germany, 1986
- B3 Ulf-G. Meißner, “Vector Mesons Never Miss — or — A New Look at Physics of the Sixties,” invited talk presented at the Workshop on Skyrmions and Anomalies, Mogilany, Poland, 1987.
- B4 Ulf-G. Meißner, N. Kaiser and W. Weise, “Nucleons as Skyrmions with Vector Mesons,” in *Proceedings of PANIC 1987*, Kyoto, Japan, 1987.
- B5 Ulf-G. Meißner and W. Weise, “Quantum Chromodynamics at Nuclear Length Scales,” invited talk presented at the Workshop on Low-Energy Effective Theory of QCD, Nagoya, Japan, 1987.
- B6 N. Kaiser and Ulf-G. Meißner, “Meson Nucleon Form Factors from Chiral Solitons with Vector Mesons,” invited talk presented at the Nucleon Structure Workshop, Frascati, Italy, 1988.
- B7 V. Bernard and Ulf-G. Meißner, “Chiral Symmetry and Charge Independence of the Pion-Nucleon Coupling Constants,” *Nucl. Phys.* **A508** (1990) 361c, invited talk, Few Body XII, Vancouver, Canada, July 1989.
- B8 Ulf-G. Meißner, “Recent Developments in Nuclear Parity Violation,” invited talk presented at the XI Autumn School in Physics, Lisbon, Portugal (October 1989).
- B9 Ulf-G. Meißner, “Axial Form Factors of the Nucleon and Strange Matrix-Elements,” invited talk, Caltech Workshop on Parity-Violation in Electron Scattering, Pasadena, USA (February 1990).
- B10 Ulf-G. Meißner, “Pion Form Factors from Chiral Perturbation Theory to Two-Loop-Order,” invited talk, IX International Conference on the Problems of Quantum Field Theory, Dubna, USSR (April 1990).
- B11 Ulf-G. Meißner, “Chiral Perturbation Theory Beyond One Loop,” invited talk, International Workshop on Strong Coupling Gauge Theories and Beyond, Nagoya, Japan (July 1990).
- B12 Ulf-G. Meißner, “Parity-Violation in Few-Nucleon Systems,” invited talk, 14th Europhysics Conference on Nuclear Physics, Bratislava, CSFR (October 1990).
- B13 Ulf-G. Meißner, “The πN Vertex: All that Confusion,” in $\pi N(2)$ (Pion-Nucleon Newsletter No.2), eds. H. Kluge, B. Nefkens, and G. Höhler, Karlsruhe, 1990.
- B14 Ulf-G. Meißner, “Towards an Understanding of Final State Interactions in QCD”, invited talk, 5th Workshop on “Perspectives in Nuclear Physics at Intermediate Energies,” Trieste, Italy (May 1991).

- B15 Ulf-G. Meißner, “Chiral Perturbation Theory with Nucleons”, lectures delivered at the Summer School for Advanced Students at the Institute for Nuclear Theory, University of Washington, Seattle, USA (July 1991).
- B16 Ulf-G. Meißner, “Chiral Symmetry in Nuclear Physics”, invited talk, International Symposium on “Clusters in Hadrons and Nuclei,” Tübingen, Germany (July 1991).
- B17 Ulf-G. Meißner, “Photo-Nucleon Processes in Chiral Perturbation Theory”, invited talk, International Workshop on “Effective Field Theories of the Standard Model,” Dobogókő, Hungary (August 1991).
- B18 J. Gasser and Ulf-G. Meißner, “On the phase of epsilon’,” Prepared for Joint International Lepton Photon Symposium at High Energies (15th) and European Physical Society Conference on High-energy Physics, Geneva, Switzerland, 25 Jul - 1 Aug 1991.
- B19 Ulf-G. Meißner, “Structure of the Nucleon”, invited lectures, RIKEN winter school on “Quarks and Gluons in Nucleons and Nuclei,” Yuzawa, Japan (January 1992).
- B20 Ulf-G. Meißner, “Selected Topics in Chiral Perturbation Theory,” lectures delivered at Tokyo Metropolitan University, Tokyo, Japan (January 1992).
- B21 Ulf-G. Meißner, “Chiral Symmetry and Nucleon Polarizabilities”, invited talk, International Workshop on “Hadron Structure from Photo-Reactions at Intermediate Energies,” Brookhaven, USA (May 1992).
- B22 Ulf-G. Meißner, “Photo-Nucleon Processes in Chiral Perturbation Theory”, invited talk, International Conference, “QCD – 20 years later,” Aachen, Germany (June 1992).
- B23 Ulf-G. Meißner, “Chiral Structure of the Nucleon”, invited talk, XXVI International Conference on High Energy Physics (ICHEP 92), Dallas, USA (August 1992).
- B24 V. Bernard, N. Kaiser and Ulf-G. Meißner, “Testing nuclear QCD: $\gamma p \rightarrow \pi^0 p$ at threshold” in $\pi N(7)$ (Pion-Nucleon Newsletter No.7), eds. R. Cutkowsky, H. Kluge, B. Nefkens, and G. Höhler, Karlsruhe, 1992.
- B25 Ulf-G. Meißner, “Neuere Ergebnisse der chiralen Störungstheorie”, invited talk, Arbeitstreffen Mittelenergiephysik, Manderscheid, FRG (September 1992).
- B26 Ulf-G. Meißner, “Chiral symmetry and parity-violating meson nucleon vertices”, invited talk, Workshop on “Baryons as Skyrme solitons”, Siegen, FRG (September 1992).
- B27 Ulf-G. Meißner, “Electroweak reactions in the non-perturbative regime of QCD”, invited lectures given at XXXII. Internationale Universitätswochen für Kern- und Teilchenphysik, Schladming, Austria (February 1993).
- B28 Ulf-G. Meißner, “Thermal Pions”, *Nucl. Phys.* **A566** (1994) 141c, plenary talk, International Conference “Quark Matter 93”, Borlaenge, Sweden (June 1993).

- B29 Ulf-G. Meißner, “Aspects of Baryon Chiral Perturbation Theory” invited talk, Gordon Research Conference on “QCD in Nuclear Physics”, Tilton, N.H., USA (July 1993).
- B30 Ulf-G. Meißner, “Properties of the Hot Pion Gas”, invited talk, workshop on “Meson-Nucleus Dynamics at Intermediate and Very High Energies”, Argonne National Laboratory, USA (August 1993).
- B31 Ulf-G. Meißner, “Chiral Symmetry and Low Energy Processes”, lectures given at the 10th Students Workshop on Electromagnetic Interactions, Bosen, FRG (September 1993).
- B32 Ulf-G. Meißner, “Chiral Structure of the Nucleon”, invited talk, Rencontres de Physique des Particules, Strasbourg, France (December 1993).
- B33 Ulf-G. Meißner, “Topics in Chiral Perturbation Theory”, review talk, Third Workshop on High Energy Particle Physics, Madras, India (January 1994).
- B34 Ulf-G. Meißner, “Non-perturbative Structure of the Nucleon as seen with real and virtual Photons”, invited talk, 31st Nuclear Physics Spring Meeting, Holzgau, Germany (April 1994).
- B35 Ulf-G. Meißner, “Pion–Nucleon Scattering and Photopion Production in CHPT”, invited talk, Workshop on “Mesons in Nuclei and Kaon Condensate”, NORDITA, Copenhagen, Denmark (April 1994).
- B36 Ulf-G. Meißner, “Aspects of Nucleon Chiral Perturbation Theory”, invited talk, Workshop on “Chiral Dynamics: Theory and Experiments”, MIT, Cambridge, USA (July 1994).
- B37 Ulf-G. Meißner and B. Schoch, “Summary of the working group on Threshold Photo (Electro) Pion and Kaon Production”, invited talk, Workshop on “Chiral Dynamics: Theory and Experiments”, MIT, Cambridge, USA (July 1994).
- B38 Ulf-G. Meißner, “On LETs and NOLETs” invited talk, Gordon Research Conference on “Photonuclear Physics”, Tilton, N.H., USA (July 1994).
- B39 Ulf-G. Meißner, “Chiral Perturbation Theory”, invited lectures given at the Zuoz Summer School on “Hadronic Aspects of Collider Physics”, Zuoz, Switzerland (July 1994).
- B40 Ulf-G. Meißner, “The Standard Model at Low Energies: Structure of the Nucleon”, invited lectures given at the 7th Indian Summer School on Intermediate Energy Physics “Electron Scattering from Nucleons and Nuclei”, Prag, Czech Republic (September 1994).
- B41 Ulf-G. Meißner, “Chiral Perturbation Theory with Baryons”, invited lectures given at the School and Workshop on “Chiral Perturbation Theory”, Bratislava, Slovakia (September 1994).
- B42 Ulf-G. Meißner, “Chirale Störungstheorie”, invited lecture given at the DPG Schule für Physik “Struktur des Nukleons”, Bad Honnef, Germany (September 1994).

- B43 Ulf-G. Meißner, “Chiral Perturbation Theory and Photo–Nucleon Reactions”, invited lecture given at the TUNL–FELL Workshop on The Development of a Polarized Gamma–Ray Beam for Nuclear Physics Studies, Durham, North Carolina, USA (December 1994).
- B44 Ulf-G. Meißner, “Testing QCD in Pion Photoproduction”, plenary talk, Spring Meeting of the German Physical Society, Section Hadrons and Nuclei, Köln, Germany (March 1995).
- B45 Ulf-G. Meißner, “Non–perturbative structure of the nucleon”, plenary talk, Sixth International Symposium on Meson–Nucleon Physics and the Structure of the Nucleon, Blaubeuren, Germany (July 1995).
- B46 Ulf-G. Meißner, “Nucleon Structure in Chiral Perturbation Theory”, plenary talk, EPS Research Conference on Polarization in Electron Scattering, Santorini, Greece (September 1995).
- B47 Ulf-G. Meißner, “Strange Twists in Pion Photo/Electro–Production”, plenary talk, Baryons’ 95, Santa Fe, USA (October 1995).
- B48 Ulf-G. Meißner, “Nucleon Form Factors from Dispersion Theory”, invited talk, Baryons’ 95, Santa Fe, USA (October 1995).
- B49 Ulf-G. Meißner, “The Reaction $\pi N \rightarrow \pi\pi N$ at Threshold”, invited talk, Baryons’ 95, Santa Fe, USA (October 1995).
- B50 Ulf-G. Meißner, “Effective Field Theory of the Standard Model: Structure of the Nucleon,” lectures delivered at Duke University, Durham, USA (October 1995).
- B51 Ulf-G. Meißner, “Introduction to Effective Field Theories,” introductory talk at the workshop “The Standard Model at Low Energies”, ECT*, Trento, Italy (April 1996).
- B52 Ulf-G. Meißner, “Future tests of chiral symmetry,” invited talk at the workshop on “Electromagnetic Interactions”, Bosen, Germany (September 1996).
- B53 Ulf-G. Meißner, “The role of resonances in chiral perturbation theory,” invited talk at the CEBAF/INT N* workshop, INT, Seattle, USA (September 1996).
- B54 Ulf-G. Meißner, “Nucleon form factors: From the time–like to the space–like region”, *Nucl. Phys.* **A623** (1997) 340c, invited talk, DAΦCE96, Frascati, Italy (November 1996).
- B55 Ulf-G. Meißner, “Recent developments in heavy baryon chiral perturbation theory: Selected topics”, plenary talk, YITP International Workshop on “Recent Developments in QCD and Hadron Physics”, Kyoto, Japan (December 1996).
- B56 Ulf-G. Meißner, “Theorie photonuklearer Prozesse”, Plenarvortrag, DPG Physikertreffen, Sektion “Hadronen und Kerne,” Göttingen, Germany (March 1997).
- B57 Ulf-G. Meißner, “Chiral structure of the nucleon and strange aspects”, invited talk, International Workshop on the “Strange Structure of the Nucleon”, CERN, Geneva, Switzerland (March 1997).

- B58 Ulf-G. Meißner, “Hadron Structure in the Non–Perturbative Regime of QCD: Isospin Symmetry and its Violation”, *Nucl. Phys.* **A629** (1998) 72c, plenary talk, International Conference on “Quark–Lepton Nuclear Physics - QULEN ’97”, Osaka, Japan (May 1997).
- B59 Ulf-G. Meißner, “Chiral Structure of the Nucleon”, invited lectures given at The Hampton University Graduate Studies at CEBAF (HUGS XII), Jefferson Laboratory, Newport News, USA (June 1997).
- B60 Ulf-G. Meißner, “Chiral Symmetry: Theory,” plenary talk, Second International Symposium on Symmetries in Subatomic Physics, Seattle, USA (June 1997).
- B61 Ulf-G. Meißner, “Baryon Chiral Perturbation Theory”, plenary talk, Seventh International Symposium on Meson–Nucleon Physics and the Structure of the Nucleon, Vancouver, Canada (July 1997), πN Newsletter **13** (1997) 7-15.
- B62 Ulf-G. Meißner, “Status of Chiral Dynamics”, invited talk, workshop on “Hadron Systems at High Density and/or High Temperature”, Argonne National Laboratory, USA (August 1997).
- B63 Ulf-G. Meißner, “Three Flavor Chiral Perturbation Theory”, plenary talk, Workshop on “Chiral Dynamics: Theory and Experiments”, Mainz, Germany (September 1997).
- B64 Ulf-G. Meißner and M. Sevir, “Summary of the working group on Pion–Pion and Pion–Nucleon Interactions”, invited talk, Workshop on “Chiral Dynamics: Theory and Experiments”, Mainz, Germany (September 1997).
- B65 Ulf-G. Meißner, “Electromagnetic corrections in chiral perturbation theory”, invited talk, Workshop on “The Low–Energy Pion–Nucleon Interaction”, PSI, Villigen, Switzerland (September 1997).
- B66 Ulf-G. Meißner, “Pion–nucleon scattering and isospin violation,” invited talk, Workshop on “Future Directions in Quark–Nuclear Physics,” Adelaide, Australia (March 1998).
- B67 Ulf-G. Meißner, “Low momentum effective theory for few–nucleon systems,” plenary talk, International Workshop on the Structure of Mesons, Baryons and Nuclei (Meson ’98), Krakow, Poland (May 1998).
- B68 Ulf-G. Meißner, “Chiral Symmetry and PV Meson–Nucleon Interaction,” invited talk, Workshop on “Parity Violations in Hadronic and Nuclear Systems,” Seattle, USA (June 1998).
- B69 Ulf-G. Meißner, “Thoughts on pion and eta production in proton–proton collisions,” invited talk, workshop on “Meson production in proton–proton collisions,” Argonne National Laboratory, USA (August 1998).
- B70 Ulf-G. Meißner, “Chiral dynamics: Status and perspectives,” plenary talk, 8th International Conference on the Structure of Baryons (Baryons 98), Bonn, Germany (September 1998)

- B71 Ulf-G. Meißner, “Effective field theory approaches to pion production in proton–proton collisions,” plenary talk, 8th International Conference on the Structure of Baryons (Baryons 98), Bonn, Germany (September 1998)
- B72 Ulf-G. Meißner, “Lectures on Chiral Perturbation Theory,” invited lectures, IXth Jorge Andre Swieca School on Nuclear Physics, Sao Paulo, Brasil (January 1999).
- B73 Ulf-G. Meißner, “Isospin violation in the two–nucleon system,” Invited talk, INT Workshop on Nuclear Physics with Effective Field Theory, Seattle, USA (February 1999).
- B74 Ulf-G. Meißner, “Isospin violation in the NN system,” Invited talk, International Workshop on Nucleon–Nucleon Interaction, Bad Honnef, Germany (May 1999).
- B75 Ulf-G. Meißner, “Baryon form factors: Model–independent results,” Nucl. Phys. **A666&667** (2000) 51c, Plenary talk, Workshop on “The Structure of the Nucleon” (Nucleon ’99), Frascati, Italy (June 1999).
- B76 Ulf-G. Meißner, “Chiral Dynamics in the Two–Nucleon System,” Invited talk, Workshop on “Leptons and Hadrons as Complimentary Probes of Strong QCD,” Jülich, Germany (June 1999).
- B77 Ulf-G. Meißner, “Chiral Dynamics in the Two–Nucleon System,” Invited talk, Workshop on “The Nuclear Interaction: Modern Developments,” ECT*, Trento, Italy (June 1999).
- B78 Ulf-G. Meißner, “Effective Field Theory for the Two–Nucleon System”, plenary talk, Eighth International Symposium on Meson–Nucleon Physics and the Structure of the Nucleon, Zuoz, Switzerland (August 1999), πN Newsletter. **15** (1999) 65.
- B79 Ulf-G. Meißner, “Working group summary: Isospin violation”, working group summary talk, Eighth International Symposium on Meson–Nucleon Physics and the Structure of the Nucleon, Zuoz, Switzerland (August 1999), πN Newsletter. **15** (1999) 127.
- B80 Ulf-G. Meißner, “Chiral QCD dynamics: recent results,” invited talk, International workshop on Hadron Physics, Coimbra, Portugal, (September 1999).
- B81 Ulf-G. Meißner, “Applications of Effective Field Theory Methods in Nuclear and Particle Physics,” invited lecture, 21th International School on Nuclear Physics, Erice, Italy (September 1999), Prog. Nucl. Part. Phys. **44** (2000) 223-242.
- B82 Ulf-G. Meißner, “Pion–Kaon Scattering,” invited talk, Workshop on “Hadronic Atoms (HadAtom 99)”, Bern, Switzerland (October 1999), in the Mini-Proceedings hep-ph/9911339.
- B83 Ulf-G. Meißner, “Hadronic Physics,” Summary talk, Third Workshop on “Physics and Detectors for DAPHNE”, Frascati, Italy (November 1999).

- B84 Ulf-G. Meißner, “Chiral Nucleon Dynamics,” invited talk, German–Taiwanese Symposium on “The Structure of the Nucleon”, Taipeh, Taiwan (March 2000).
- B85 Ulf-G. Meißner, “The nucleon–nucleon interaction from effective field theory,” invited talk, XVIth International Conference on Few–Body Problems in Physics (FB 16), Taipeh, Taiwan (March 2000).
- B86 Ulf-G. Meißner, “The spin polarizabilities of the nucleon and related aspects,” plenary talk, International Conference GDH2000, Mainz, Germany (June 2000).
- B87 Ulf-G. Meißner, “2N, 3N and 4N systems from a chiral effective field theory,” working group talk, International Conference on ”Chiral Dynamics: Theory and Experiments”, Jefferson Lab, USA (July 2000).
- B88 Ulf-G. Meißner, “Goldstone boson-nucleon dynamics: theory summary,” working group summary talk, International Conference on ”Chiral Dynamics: Theory and Experiments”, Jefferson Lab, USA (July 2000).
- B89 Ulf-G. Meißner, “Low energy analysis of the nucleon electromagnetic form factors,” invited talk, Gordon Research Conference on “Photonuclear Physics”, Tilton, N.H., USA (July 2000).
- B90 Ulf-G. Meißner, “Chiral dynamics with strange quarks,” Invited lectures at the 17th students’ Workshop on “Electromagnetic Interactions”, Bosen, BRD (September 2000).
- B91 Ulf-G. Meißner, “Chiral QCD: baryon dynamics,” contribution to the Boris Ioffe Festschrift, in “At the Frontier of Particle Physics - Handbook of QCD,” Vol. 1, pp 417-506, M. Shifman (ed.), World Scientific, Singapore, 2001.
- B92 Ulf-G. Meißner, “Chiral dynamics,” invited talk, April meeting of the American Physical Society, Washington D.C., USA, 4/28-5/1, 2001.
- B93 Ulf-G. Meißner, “Theory of axial form factors,” invited talk, International Workshop on Hadron form factors, Physikzentrum Bad Honnef, April 17-19, 2001.
- B94 Ulf-G. Meißner, “Few–nucleon systems: New results from chiral effective field theory,” invited talk, International Workshop on Nuclear Forces and Few–Nucleon Systems, Institute for Nuclear Theory, Seattle, USA, June 11-16, 2001.
- B95 Ulf-G. Meißner, “Progress in Meson-Nucleon Physics: Status and Perspectives,” opening talk, Ninth International Symposium on Meson-Nucleon Physics and the Structure of the Nucleon, Center for Nuclear Studies, The George Washington University, Washington D.C., USA, July 26-31, 2001, πN Newsletter **16** (2001) 1.
- B96 Ulf-G. Meißner, “Pion production in chiral perturbation theory,” invited talk, International Workshop on Chiral Fluctuations in Hadronic Matter, IPN Orsay, France, September 26-28, 2001.
- B97 Ulf-G. Meißner, “Theory of low–energy pion–nucleon scattering,” invited talk, Workshop on Hadronic Atoms “HadAtom01”, Universität Bern, Oktober 11-12, 2001, miniproceedings [arXiv:hep-ph/0112293].

- B98 Ulf-G. Meißner, “Chiral dynamics with strange quarks: Mysteries and opportunities,” contribution to the “Eta Physics Handbook”, Workshop on Eta Physics, Uppsala, Sweden, Oct. 2001, Phys.Scripta **T99** (2002) 68-83.
- B99 Ulf-G. Meißner, “Chiral dynamics and $B \rightarrow 3\pi$ decay,” invited talk, International Workshop on Heavy Quarks and Leptons (HQL 2002), Vietri sul Mare, Salerno, Italy, 27 May - 1 Jun 2002, in: Frascati Phys.Ser. **28** (2002) 157-168.
- B100 Ulf-G. Meißner, “Chiral dynamics, rescattering and $B \rightarrow 3\pi$ decay,” invited talk, International Conference on Quark Nuclear Physics (QNP 2002), Jülich, Germany, June 2002, Eur. J. Phys. **A 18** (2003) 543-546.
- B101 Ulf-G. Meißner, “Recent developments in baryon chiral perturbation theory,” invited talk, International Conference on Quark Nuclear Physics (QNP 2002), Jülich, Germany, June 2002, Eur. J. Phys. **A 18** (2003) 487-490.
- B102 Ulf-G. Meißner, “The S-wave pion nucleon scattering lengths from pionic atoms using effective field theory,” invited talk, 24th International School on Nuclear Physics, Erice, Italy (September 2002).
- B103 Ulf-G. Meißner, “Nuclear forces from effective field theory,” invited talk, International Workshop on Strong Coupling Gauge Theories and Effective Field Theories (SCGT’02), Nagoya, Japan, Dec. 10-13, 2002.
- B104 Ulf-G. Meißner, A. Wirzba and J. A. Oller, “In-Medium Chiral Perturbation Theory,” AIP Conf. Proc. **623** (2002) 216.
- B105 Ulf-G. Meißner, “Modern Theory of Nuclear Forces”, plenary talk, Spring Meeting of the German Physical Society, Section Hadrons and Nuclei, Tübingen, Germany (March 2003).
- B106 E. Epelbaum, A. Nogga, H. Witala, H. Kamada, W. Glöckle and Ulf-G. Meißner, “Neutron-deuteron scattering in chiral effective field theory,” Proceedings of the 7th Conference on Electron-Nucleus Scattering, Elba, Italy, Jun. 2002, Eur. Phys. J. **A 17** (2003) 4125-418.
- B107 Ulf-G. Meißner, “Spin structure of the nucleon at low energies,” invited talk, International Workshop on “Compton scattering from low to high momentum transfer,” ECT*, Trento, March 31 - April 4, 2003.
- B108 Ulf-G. Meißner, “Unification of the physics of nucleons and nuclei,” invited talk, XVIIth International Conference on Few-Body Problems in Physics (FB 17), Duke University, Durham, USA (June 2003), Nucl. Phys. **A737** (2004) 110-118.
- B109 Ulf-G. Meißner, “Chiral dynamics with strange quarks,” plenary talk, X. International Conference on Hadron Spectroscopy (HADRON ’03), Aschaffenburg, Germany (August 2003), AIP Conf. Proc. **717** (2004) 656-664.
- B110 Ulf-G. Meißner, “Cut-off schemes in chiral perturbation theory and the quark mass expansion of the nucleon mass,” invited talk given at the 4th International Workshop on Chiral Dynamics: Theory and Experiment (CD 2003), Bonn, Germany (September 2003), proceedings hep-ph/0311212.

- B111 Ulf-G. Meißner, “From quark to hadron masses,” invited lectures given at the DPG-Schule für Physik on “Hadron masses,” Bad Honnef, Germany (October 2003).
- B112 Ulf-G. Meißner, “Status of isospin violation in the pion-nucleon system”, Invited talk, International Workshop on “Experimental and Theoretical Aspects of Charge Symmetry Breaking,” INT, Seattle, USA (October 2003).
- B113 Ulf-G. Meißner, “Physics Opportunities”, Invited talk, 21. CANU Workshop, Physikzentrum, Bad Honnef (December 2003).
- B114 Ulf-G. Meißner, “Isospin violation”, Invited talk, FINUPHY Workshop on “Advanced Electromagnetic Calorimetry and its Applications: Physics with a 4pi Detector at COSY,” (FEMC04), FZ Jülich (January 2004).
- B115 Ulf-G. Meißner, “Neue Ergebnisse der chiralen Störungstheorie”, Invited talk, Arbeitstreffen Kernphysik, Schleching (February 2004)
- B116 Ulf-G. Meißner, “Modern Theory of Nuclear Forces”, Invited talk, International Workshop “From Nuclear to Nucleon Structure,” Helsinki, Finland (April 2004).
- B117 Ulf-G. Meißner, “Prospects for WASA at COSY”, Invited talk, CELSIUS Workshop “CELSUIS - past, present and future,” Uppsala, Sweden (May 2004).
- B118 Ulf-G. Meißner, “Structure of the nucleon: Spin observables”, Plenary talk, The 3rd International Symposium on the Gerasimov-Drell-Hearn Sum Rule and its extensions, Old Dominion University, Norfolk, Virginia. USA (June 2004).
- B119 Ulf-G. Meißner, “Challenges in Hadron Physics”, Outlook talk, 8th International Workshop on Meson Production, Properties and Interaction (MESON 2004), Krakow, Poland (June 2004), Int. J. Mod. Phys. A **20** (2005) 514.
- B120 Ulf-G. Meißner, “Modern theory of nuclear forces,” Plenary talk, International Nuclear Physics Conference INPC 2004, Göteborg, Sweden (June 2004), Nucl. Phys. A **751** (2005) 149-166.
- B121 Ulf-G. Meißner, “Chiral Extrapolations: Uses and Misuses of Chiral Perturbation Theory,” invited talk, Lattice Summer at Berkeley, Berkeley, USA (July 2004).
- B122 Ulf-G. Meißner, “Chiral dynamics with spin-3/2 fields: Foundations and applications”, invited talk, Workshop on Hadron Deformation, MIT, Cambridge, USA (August 2004).
- B123 Ulf-G. Meißner, “QCD in the chiral limit and above,” plenary talk, 10th International Conference on the Structure of Baryons (Baryons 2004), Palaiseau, France (October 2004); Nucl. Phys. A **755** (2005) 161-170.
- B124 W. Glöckle, E. Epelbaum, H. Kamada, Ulf-G. Meißner, A. Nogga and H. Witala, “Few-nucleon physics based on chiral dynamics,” Eur. Phys. J. A **19** (2004) SUPPL. 1, 159.

- B125 Ulf-G. Meißner, “The $\Lambda(1405)$ – an old story with a new twist,” invited talk, International Workshop on Exotic States: Challenges for QCD, Physikzentrum Bad Honnef, Germany (Jan. 2005).
- B126 Ulf-G. Meißner, “Hadronic atoms in effective field theory and related aspects,” invited talk, International Conference on Exotic Atoms (EXA 2005), Austrian Academy of Sciences, Vienna, Austria (February 2005).
- B127 Ulf-G. Meißner, “Challenges in hadron and nuclear physics,” outlook talk, 6th International Conference on Nuclear Physics at Storage Rings (STORI 05), Gustav-Stresemann-Institute, Bonn, Germany (May 2005).
- B128 Ulf-G. Meißner, “Modern theory of nuclear forces,” invited talk, International Workshop on Effective Field Theories in Physics: From Nano to Tera, Ohio Center for Theoretical Studies, Columbus, Ohio (June 2005).
- B129 Ulf-G. Meißner, “Quark mass dependence of baryon properties,” plenary talk, The XXIII International Symposium on Lattice Field Theory (Lattice 2005), Trinity College, Dublin, Ireland (July 2005), PoS **LATT2005** (2005) 009 [arXiv:hep-lat/0509029].
- B130 Ulf-G. Meißner, “Chiral extrapolations for baryons: foundations and applications,” invited talk, Workshop on Computational Hadron Physics, Hadron Physics I3 Topical Workshop, University of Cyprus, Cyprus (September 2005) Nucl. Phys. B - Proc. Suppl. **153** (2006) 170-184.
- B131 Ulf-G. Meißner, “Tests of Effective Field Theory,” invited talk, Topical Workshop on “Physics and Technology Frontiers of Facilities for Hadron Physics”, Milos, Greece (September 2005).
- B132 Ulf-G. Meißner, “What do we know about the width of the Θ^+ ?,” invited talk, Topical Workshop on “New Hadrons: Facts and Fancy”, Milos, Greece (September 2005).
- B133 Ulf-G. Meißner, “Novel dispersion-theoretical analysis of the nucleon electromagnetic form factors,” plenary talk, Workshop on “Nucleon Form Factors” (Nucleon 05), Laboratori Nazionali di Frascati, Italy (October 2005).
- B134 J. Haidenbauer, S. Krewald, Ulf-G. Meißner, A. Sibirtsev and A. W. Thomas, “Analysis of the p anti-p mass spectrum from J/psi decay,” AIP Conf. Proc. **796** (2005) 137.
- B135 Ulf-G. Meißner, “Major Challenges in QCD,” plenary talk, Sino-German Symposium on “Hadron Physics at COSY and CSR” (HPC2), Institute of Modern Physics, Lanzhou, China (January 2006).
- B136 Ulf-G. Meißner, Summary Talk, Sino-German Symposium on “Hadron Physics at COSY and CSR” (HPC2), Institute of Modern Physics, Lanzhou, China (January 2006).
- B137 Ulf-G. Meißner, “Charmless B-decays and the scalar sector of QCD,” invited talk, Workshop on “Three-Body Charmless B Decays”, LPNHE, Jussieu, Paris, France (February 2006).

- B138 Ulf-G. Meißner, “B-decays and the scalar sector of QCD,” invited talk, Workshop on “Scalar Mesons”, Bonn University, Bonn, Germany (March 2006).
- B139 Ulf-G. Meißner, “Form factors of the nucleon and its pion cloud,” invited talk, Workshop on “Shape of Hadrons”, Athens, Greece (April 2006), AIP Conf. Proc. **904** (2007) 142-150.
- B140 P. Saviankou, F. Grümmer, E. Epelbaum, S. Krewald, and Ulf-G. Meißner, “Effective Field Theory Approach to Nuclear Matter,” Physics of Atomic Nuclei **60** (2006) 1119-1123
- B141 Ulf-G. Meißner, “Modern theory of nuclear forces A.D. 2006,” plenary talk, IVth International Conference on Quarks and Nuclear Physics, (QNP 06), Madrid, Spain (June 2006), *Eur. Phys. J. A* **31** (2007) 397.
- B142 Ulf-G. Meißner, “Quark mass dependence of the nucleon mass and axial-vector coupling,” invited talk, Workshop on Soft-Pions in Hard Processes, Regensburg, Germany (August 2006).
- B143 Ulf-G. Meißner, “Modern theory of nuclear forces: Status and perspectives,” plenary talk, 18th International IUPAP Conference on Few-Body Problems in Physics (FB 18), Santos, Brazil (August 2006), *Nucl. Phys. A* **790** (2007) 129c-135c
- B144 Ulf-G. Meißner, “Hadronic atoms,” invited talk, HadronTH’06 Workshop, Peniscola, Spain (September 2006).
- B145 Ulf-G. Meißner, “Recent developments in chiral perturbation theory,” plenary talk given at the 5th International Workshop on Chiral Dynamics: Theory and Experiment (CD 06), Chapel Hill, USA (September 2006).
- B146 Ulf-G. Meißner, “On the consistency of Weinberg’s power counting,” invited talk given at the 5th International Workshop on Chiral Dynamics: Theory and Experiment (CD 06), Chapel Hill, USA (September 2006).
- B147 Ulf-G. Meißner, “Thoughts on chiral extrapolations for excited states,” talk given at the ECT* – I3HP Workshop on Lattice QCD, Chiral Perturbation Theory, and Hadron Phenomenology, Trento, Italy (October 2006).
- B148 Ulf-G. Meißner, “Modern theory of nuclear forces: Status and perspectives,” invited talk, Workshop of the SFB 634, Paradeismühle, Germany (December 2006).
- B149 Ulf-G. Meißner, “On the low-energy constants of the chiral effective pion-nucleon Lagrangian,” invited talk, Workshop on Three-Nucleon Interactions from Few- to Many-Body Systems, TRIUMF, Vancouver, Canada (March 2007).
- B150 Ulf-G. Meißner, “HadronTH: Structure and dynamics of hadrons,” invited talk, I3HP Collaboration Committee Meeting, Frascati, Italy (May 2007).
- B151 Ulf-G. Meißner, “Nucleon form factors from dispersion theory,” invited talk, Jefferson Lab User Group Meeting 2007, Newport News, USA (June 2007).

- B152 Ulf-G. Meißner, “Hadronic atoms,” invited talk, International Conference on Hadron Physics TROIA’07 Canakkale, Turkey (August 2007)
- B153 Ulf-G. Meißner, “QCDnet: Hadron physics with light and heavy quarks,” invited talk, I3 HadronPhysics2 Opening Meeting, Frascati, Italy (September 2007).
- B154 Ulf-G. Meißner, “Quark mass dependence of baryons,” invited talk, HadronTH’07 Workshop, Barcelona, Spain (September 2007).
- B155 Ulf-G. Meißner, “Three-nucleon forces from effective field theory: Why Fujita and Miyazawa were not just lucky,” invited talk, International Symposium on New Facet of Three Nucleon Force – 50 years of Fujita-Miyazawa Three Nucleon Force (FM50), Tokyo, Japan (October 2007), AIP Conf. Proc. **1011** 49-58.
- B156 H. Kamada, E. Epelbaum, A. Nogga, Ulf-G. Meißner, H. Witala, J. Golak, R. Skibinski and W. Glöckle, “Partial wave decomposition of 2π - 1π exchange three-nucleon force in chiral effective field theory,” contribution, International Symposium on New Facet of Three Nucleon Force – 50 years of Fujita-Miyazawa Three Nucleon Force (FM50), Tokyo, Japan (October 2007), AIP Conf. Proc. **1011** 59-68
- B157 J. Haidenbauer, U.-G. Meißner, A. Nogga and H. Polinder, “The hyperon nucleon interaction: Conventional versus effective field theory approach,” Lect. Notes Phys. **724** (2007) 113 [arXiv:nucl-th/0702015].
- B158 Ulf-G. Meißner, “Nuclear physics from simulations,” invited talk, CEA-FZJ workshop on High Performance Computing, Jülich (February 2008)
- B159 Ulf-G. Meißner, “Nucleon form factors from dispersion theory,” invited talk, Workshop on “Hadron Electromagnetic Form Factors,” ECT*, Trento, Italy (May 2008)
- B160 Ulf-G. Meißner, “Photo-nucleon/nuclear processes in CHPT/chiral EFT,” invited talk, INT workshop on “Soft Photons and Light Nuclei”, INT Seattle, USA (June 2008)
- B161 Ulf-G. Meißner, “Nuclear lattice simulations,” invited talk, 410. WE-Heraeus Seminar “Ab-initio Nuclear Structure - Where do we stand?”, Bad Honnef (July 2008)
- B162 Ulf-G. Meißner, “Theory of nuclear forces,” invited lectures, The 7th CNS-EFES Summer School, RIKEN, Toyo, Japan (August 2008).
- B163 Ulf-G. Meißner, “Topics in baryon chiral perturbation theory,” plenary talk, IIXth International Conference on Quark Confinement and the Hadron Spectrum (Confinement08), Mainz, Germany PoS (CONFINEMENT8) (2008) 027 (September 2008).
- B164 Ulf-G. Meißner, “Gauge invariance and chiral coupled-channel dynamics,” invited talk, Workshop on Quark Hadron Dynamics, Almunecar, Spain (September 2008).

- B165 Ulf-G. Meißner, “An introduction to chiral perturbation theory,” invited lectures, XXI Heidelberg Physics Graduate Days of the Graduate School of Fundamental Physics, University of Heidelberg, Germany (October 2008).
- B166 H. Krebs, B. Borasoy, E. Epelbaum, D. Lee and U.-G. Meißner, “Nuclear effective field theory on the lattice,” PoS(LATTICE 2008)023, (October 2008).
- B167 Ulf-G. Meißner, “Isospin violation: from COSY to FAIR” invited talk, CANU & FFE Workshop 2008, Bad Honnef, Germany (December 2008).
- B168 Ulf-G. Meißner, “EFT for nuclear physics,” invited talk, International Workshop on Effective Field Theories (EFT09), Valencia, Spain (February 2009).
- B169 Ulf-G. Meißner, “Hadron physics theory,” talk, POF review on the “Structure of Matter Program” at FZJ and GSI, HSD panel, Darmstadt, Germany (February 2009).
- B170 Ulf-G. Meißner, “Hadron Physics at the 1 GeV scale and its impact,” invited talk, International Workshop “MAMI and beyond”, Schloß Waldthausen, Germany (March/April 2009).
- B171 H. Krebs, E. Epelbaum and Ulf-G. Meißner, “Chiral Effective Potential With Delta Degrees Of Freedom,” *Int. J. Mod. Phys. A* **24** (2009) 511.
- B172 Ulf-G. Meißner, “Theory of nuclear forces,” invited lectures, 1st Lecture-Week of the SFB/TR-16 “Subnuclear structure of matter”, Bonn, Germany (August 2009).
- B173 Ulf-G. Meißner, “Resonances in a finite volume,” invited talk, Workshop on Hadron Structure and Dynamics, Bad Honnef, Germany (August 2009).
- B174 Ulf-G. Meißner, “Baryon-baryon interactions from effective field theory,” invited talk, PANDA workshop, Forschungszentrum Jülich, Germany (September 2009).
- B175 Ulf-G. Meißner, “Theory of nuclear forces,” invited lectures, Guangxi Normal University, Guilin, China (September 2009).
- B176 Ulf-G. Meißner, “Isospin violation, light quark masses and all that,” plenary talk, Vth International Conference on Quarks and Nuclear Physics, (QNP 09), Beijing, China (September 2009), *Chin. Phys. C* **34** (2010) 1-6.
- B177 Ulf-G. Meißner, “Excited hadrons in a box,” invited talk, Colloquium in memory of Jan Stern, Instiut Henri Poincaré, Paris, France (October 2009).
- B178 Ulf-G. Meißner, “Hadrons in a box,” invited talk, First Bethe Center Workshop, Bad Honnef, Germany (October 2009).
- B179 H. Krebs, V. Bernard, E. Epelbaum and Ulf-G. Meißner, “Nucleon spin structure at low energies,” *AIP Conf. Proc.* **1155** (2009) 42.
- B180 M. Döring, C. Hanhart, F. Huang, S. Krewald and Ulf-G. Meißner, “Strategies for baryon resonance analysis,” *Chin. Phys. C* **33** (2009) 1127-1131.

- B181 M. Döring, C. Hanhart, F. Huang, S. Krewald and Ulf-G. Meißner, “Resonance properties from a coupled channel meson exchange model,” *Chin. Phys. C* **33** (2009) 1273-1278.
- B182 F. Huang, A. Sibirtsev, S. Krewald, C. Hanhart, J. Haidenbauer and Ulf-G. Meißner, “Forward pion-nucleon charge exchange reaction and Regge constraints,” *Chin. Phys. C* **33** (2009) 1318-1322.
- B183 M. Lage, Ulf-G. Meißner and A. Rusetsky, “Antikaon-nucleon scattering lengths,” *Hyperfine Interact.* **193** (2009) 69-74.
- B184 Ulf-G. Meißner, “Theory of Nuclear Forces”, lecture at the BCGS intensive week “hands-on shell model”, Univ. Köln (March 2010).
- B185 Ulf-G. Meißner, “Chiral extrapolations for baryons”, talk at the ETM collaboration meeting, Univ. Bonn (March 2010).
- B186 Ulf-G. Meißner, “Loop effects in charmonium transitions”, invited talk, Chiral10 workshop, IFIC, Valencia, Spain (June 2010) *AIP Conf. Proc.* **1322** (2010) 266-274.
- B187 Ulf-G. Meißner, “Continuous and discrete effective nuclear field theory,” plenary talk, IXth International Conference on Quark Confinement and the Hadron Spectrum (Confinement09), Madrid, Spain (August 2010) *AIP Conf. Proc.* **1343** (2011) 39-44.
- B188 Ulf-G. Meißner, “Nuclear physics from simulations,” plenary talk, 21st European Few-Body Conference (EFB21), Salamanca, Spain (September 2010) *Few-Body. Syst.* **50** (2011) 91-96.
- B189 Ulf-G. Meißner, “Hadrons at varying quark masses - new results,” invited talk, workshop on “Hadrons, Lattice QCD and Chiral Perturbation theory,” Graz University, Graz, Austria (September 2010).
- B190 Ulf-G. Meißner, “The beauty of spin,” opening talk, 19th International Spin Physics Symposium (SPIN2010), Forschungszentrum Jülich., Germany (September 2010) *J. Phys. Conf. Ser.* **295** (2011) 012001.
- B191 Ulf-G. Meißner, “Charmonium and bottomonium transitions from effective field theories,” plenary talk, 4th International Workshop on Charm Physics “CHARM2010”, IHEP, Beijing, China (October 2010), *Int. J. Mod. Phys: Conf. Series* **2** (2011) 56-60.
- B192 Ulf-G. Meißner, “Nuclear lattice simulations,” invited talk, EMMI workshop on strongly coupled systems, GSI, Darmstadt, Germany (November 2010).
- B193 Ulf-G. Meißner, “Chiral symmetry, nuclear forces and all that,” invited contribution to the *Festschrift* in honor of Gerry Brown’s 85th birthday, Sabine Lee (ed.) (World Scientific, Singapore, 2011).
- B194 Ulf-G. Meißner, “Ab initio calculation of the Hoyle state,” invited talk, Workshop on Nuclear Many-Body Open Quantum Systems: Continuum and correlations in light nuclei, ECT*, Trento, Italy (June 2011).

- B195 Ulf-G. Meißner, “Theory of the nucleon EDM - new insights,” invited talk, Workshop on Search for Electric Dipole Moments (EDMs) at Storage Rings, Physikzentrum Bad Honnef, Germany (July 2011).
- B196 Ulf-G. Meißner, “Theory of Nuclear Forces,” lectures at the course Temas actuales en Física nuclear, Universidad Internacional del Mar, Aguilés, Spain (July 2011).
- B197 Ulf-G. Meißner, “Two-photon corrections from dispersion relations,” invited talk, Workshop on Radiative Corrections, MIT, Cambridge, USA (July 2011).
- B198 Ulf-G. Meißner, “Ab initio calculation of the Hoyle state,” plenary talk, Rutherford Centennial Conference on Nuclear Physics, Manchester, United Kingdom (August 2011).
- B199 Ulf-G. Meißner, “Theory of kaonic deuterium in view of SIDDHARTA,” plenary talk, International Conference on Exotic Atoms and Related Topics – EXA2011, Austrian Academy of Sciences, Wien, Austria (September 2011).
- B200 Ulf-G. Meißner, “Das Anthropische prinzip – oder – Physik mit dem Supercomputer,” invited talk, workshop on “Normativität und Ethik,” Universität Bonn (October 2011).
- B201 Ulf-G. Meißner, “Nuclear Physics from Lattice Simulations,” invited talk, NIC Symposium 2012, Jülich Supercomputer Center, Forschungszentrum Jülich, Germany (Februar 2012).
- B202 Ulf-G. Meißner, “Nuclear Physics from Lattice Simulations,” invited talk, Workshop on Nuclear Ground-State Properties of the Lightest Nuclei: Status and Perspectives, Physikzentrum Bad Honnef, Germany (March 2012).
- B203 Ulf-G. Meißner, “Hadron resonances in a finite volume,” plenary talk, VIth International Conference on Quarks and Nuclear Physics, (QNP 12), Palaiseau, France (April 2012).
- B204 Ulf-G. Meißner, “Roy-Steiner equations for pion-nucleon scattering,” invited talk, VIth International Conference on Quarks and Nuclear Physics, (QNP 12), Palaiseau, France (April 2012).
- B205 Ulf-G. Meißner, “Hadron-hadron scattering: Lessons from chiral symmetry +,” outlook talk, 12th International Workshop on Meson Production, Properties and Interaction (MESON 2012), Cracow, Poland (June 2012).
- B207 Ulf-G. Meißner, “Symmetries and the emergence of structure in QCD – Introduction to the CRC 110,” plenary talk, KITPC program “From nucleon structure to nuclear structure and compact astrophysical objects”, Kavli Institute, Beijing, China (July 2012).
- B208 Ulf-G. Meißner, “Nuclear lattice simulations,” plenary talk, KITPC program “From nucleon structure to nuclear structure and compact astrophysical objects”, Kavli Institute, Beijing, China (July 2012).
- B209 Ulf-G. Meißner, “Effective Field Theories,” lectures given at the School on High Energy Physics (TAE 2012), Universidad Complutense, Madrid, Spain (July 2012).

- B210 Ulf-G. Meißner, “A walk through the world of chiral dynamics,” plenary talk, The 7th International Workshop on Chiral Dynamics Jefferson Lab, Newport News, USA (August 2012), published in PoS(CD12)012.
- B211 C. Ditsche, M. Hoferichter, B. Kubis and Ulf-G. Meißner, “Roy-Steiner equations for πN scattering,” , PoS(CD12)064.
- B212 M. Hoferichter, C. Ditsche, B. Kubis and Ulf-G. Meißner, “Improved dispersive analysis of the scalar form factor of the nucleon,” PoS(CD12)069.
- B213 Ulf-G. Meißner, “Theory of baryon EDMs – new insights –,” invited talk, Workshop on EDM Searches at Storage Rings, ECT*, Trento, Italy (October 2012).
- B214 Ulf-G. Meißner, “Testing the anthropic principle with lattice simulations,” invited talk, Workshop on Light nuclei from first principles, INT, Seattle, USA (October 2012).
- B215 Ulf-G. Meißner, “Symmetries and the emergence of structure in QCD,” talk, 7th COSY-FFE Workshop, Physikzentrum Bad Honnef, Germany (December 2012).
- B216 Ulf-G. Meißner, “Nuclear Physics from Lattice Simulations,” in NIC Symposium 2012, K. Binder, G. Münster, M. Kremer (Editors), NIC Series, Vol. 45 (Jülich, 2012).
- B217 Ulf-G. Meißner, “Hadrons and nuclei: Mass without Higgs,” plenary talk, Symposium “Ursprung der Masse”, DPG Tagung, Dresden (March 2013).
- B218 Ulf-G. Meißner, “Introduction to Bonn University, BCTP, BCGS and Forschungszentrum Jülich.” Inaugural Meeting, Regional Training Network in Theoretical Physics Bonn-Tbilisi-Yerevan, Tbilisi, Georgia (March 2013).
- B219 Ulf-G. Meißner, “Hadrons and nuclei: Mass without Higgs,” Inaugural Meeting, Regional Training Network in Theoretical Physics Bonn-Tbilisi-Yerevan, Tbilisi, Georgia (March 2013).
- B220 Ulf-G. Meißner, “Thresholds on the lattice,” talk, CRC 110 workshop on ”Threshold phenomena”, Institute of High-Energy Physics, Beijing, China (April 2013).
- B221 Ulf-G. Meißner, “Resonances in a finite volume,” plenary talk, The 9th international workshop on the physics of excited nucleons (NSTAR 2013), Peniscola, Spain (May 2013).
- B222 Ulf-G. Meißner, “Nuclear physics from lattice simulations,” plenary talk and EPJA sponsored lecture, International Nuclear Physics Conference (IPNC 2013), Firenze, Italy (June 2013) EPJ Web Conf. **66** (2014) 01012.
- B223 Ulf-G. Meißner, “Life on earth – an accident?“, invited talk, workshop on “Nuclear Dynamics with Effective Field Theories,” Ruhr-Universität Bochum, Germany (July 2013).
- B224 Ulf-G. Meißner, “Theory of baryon and nuclear EDMs,” invited talk, workshop on “Nucleon matrix elements for new physics searches,” ECT*, Trento, Italy (July 2013).

- B225 Ulf-G. Meißner, “Effective Field Theories,” lectures given at North Carolina State University and Duke University, Raleigh, USA (August 2013).
- B226 Ulf-G. Meißner, “Theory of baryon EDMs,” invited talk, First Workshop and School on Particle Physics Phenomenology, Tiflis, Georgia (September 2013).
- B227 Ulf-G. Meißner, “A lecture on Effective Field Theories,” invited lecture, First Workshop and School on Particle Physics Phenomenology, Lake Bazaleti, Georgia (September 2013).
- B228 Ulf-G. Meißner, “Life on earth – an accident?”, plenary talk, The Seventh International Symposium on Chiral Symmetry in Hadrons and Nuclei (CHIRAL 13), Beihang University, Beijing, China (October 2013), *Int. J. Mod. Phys. E* **23** (2014) 1461005.
- B229 Ulf-G. Meißner, “Nuclear forces & ab initio calculations of atomic nuclei”, invited talk, 45 Years of Nuclear Theory at Stony Brook: A Tribute to Gerald E. Brown, Stony Brook University, Stony Brook, USA (November 2013), *Nucl. Phys. A* **928** (2014) 64 - 72.
- B230 Ulf-G. Meißner, “Nuclear Lattice Simulations: Status and Perspectives”, talk, NAVI annual meeting, GSI, Darmstadt (December 2013).
- B231 T. A. Lähde, E. Epelbaum, H. Krebs, D. Lee, Ulf-G. Meißner and G. Rupak, “Lattice effective field theory for nuclei from $A = 4$ to $A = 28$,” *PoS(LATTICE 2013)*231.
- B232 Ulf-G. Meißner, “Parity violation in proton-proton scattering,” invited talk, workshop on “Photonuclear Physics at the Intensity Frontier”, Savannah, Georgia, USA (April 2014).
- B233 Ulf-G. Meißner, “Quark mass variations of nuclear forces, BBN, and all that,” Beller lecture, APS April Meeting 2014, Savannah, Georgia, USA (April 2014).
- B234 J. R. d. Elvira, C. Ditsche, M. Hoferichter, B. Kubis and Ulf-G. Meißner, “Roy-Steiner equations for πN scattering,” *EPJ Web Conf.* **73** (2014) 05002.
- B235 Ulf-G. Meißner, “Structure of Nuclei from Lattice Simulations,” plenary talk, The 2nd Conference on “Advances in Radioactive Isotope Science” (ARIS2014), University of Tokyo, Tokyo, Japan (June 2014), *JPS Conf. Proc.* **6** (2015) 010005.
- B236 Ulf-G. Meißner, “Anthropic Considerations in Nuclear Physics,” talk, general meeting and workshop of the CRC 110, Weihai, China (July 2014).
- B237 Ulf-G. Meißner, “Anthropic Considerations in Nuclear Physics,” invited talk, KITPC program “Present Status of the Nuclear Interaction Theory.” Kavli Institute for Theoretical Physics, CAS, Beijing, China (August 2014).
- B238 Ulf-G. Meißner, “Baryon resonances in a finite volume,” Annual Meeting of the Transregio 16, Universität Bonn, Germany (September 2014).
- B239 Ulf-G. Meißner, “Fine-tuning and the anthropic principle in nuclear physics,” workshop on “Fine-Tuning, Anthropics and the String Landscape”, IFT, Univ. Autonoma de Madrid, Madrid, Spain (October 2014).

- B240 Ulf-G. Meißner, “Strangeness on the lattice – a challenge,” workshop on “Achievements and Perspectives in Low-Energy QCD with Strangeness,” ECT*, Trento, Italy (October 2014).
- B241 V. Baru, E. Epelbaum, A. A. Filin, C. Hanhart, A. E. Kudryavtsev, Y. S. Kalashnikova, Ulf-G. Meißner and A. V. Nefediev, “Non-perturbative pion dynamics for the X(3872),” EPJ Web Conf. **81** (2014) 05005.
- B242 T. A. Lähde, E. Epelbaum, H. Krebs, D. Lee, Ulf-G. Meißner and G. Rupak, “The Hoyle state in nuclear lattice effective field theory,” Pramana **83** (2014) 5, 651 [arXiv:1403.5451 [nucl-th]].
- B243 Ulf-G. Meißner, “Dispersion relations and the proton radius,” Fundamental Constants Meeting 2015, Eltville, Germany (February 2015).
- B244 Ulf-G. Meißner, “Chiral nuclear dynamics,” invited talk, CRC 634 – Concluding Conference, Darmstadt, Germany (June 2015).
- B245 Ulf-G. Meißner, “Clustering in nuclei from ab initio nuclear lattice simulations,” invited lead parallel session talk, The 8th International Workshop on Chiral Dynamics (CD 2015), Pisa, Italy (July 2015), PoS(CD15)038.
- B246 Bastian Kubis, Jacobo Ruiz de Elvira, Martin Hoferichter and Ulf-G. Meißner, “Pion-nucleon scattering: from chiral perturbation theory to Roy-Steiner equations,” The 8th International Workshop on Chiral Dynamics (CD 2015), Pisa, Italy (July 2015), PoS(CD15)021.
- B247 Ulf-G. Meißner, “Alpha-cluster physics from ab initio nuclear lattice simulations,” Workshop on “Clusters in Nuclear Systems,” Rostock, Germany (August 2015).
- B248 Ulf-G. Meißner, “Musings about pentaquarks,” Workshop on “Frontiers in hadron and nuclear physics with strangeness and charm,” ECT*, Trento, Italy (October 2015).
- B249 Ulf-G. Meißner, “Pentaquarks from threshold singularities,” Workshop on “The power of spectroscopy in QCD,” ECT*, Trento, Italy (February 2016).
- B250 Ulf-G. Meißner, “Towards an understanding of alpha-clustering from first principles,” Lecture, Peking University, Beijing, China (March 2016).
- B251 Ulf-G. Meißner, “Clustering in nuclear physics from ab initio nuclear lattice simulations,” invited talk, KITPC program “Clustering effects of nucleons in nuclei and quarks in multi-quark states,” Kavli Institute for Theoretical Physics, CAS, Beijing, China (March 2016).
- B252 Ulf-G. Meißner, “Towards an understanding of clustering in nuclei,” invited talk, INT Program 16-1 on Nuclear Physics from Lattice QCD, INT, Seattle (May, 2016)
- B253 A. Agadjanov, V. Bernard, Ulf-G. Meißner and A. Rusetsky, “Resonance matrix elements on the lattice,” EPJ Web Conf. **112** (2016) 01001.
- B254 Ulf-G. Meißner, “Theory of the neutron EDM,” Workshop on “Baryons over antibaryons: the nuclear physics of Sakharov,” ECT*, Trento, Italy (July 2016).

- B255 Ulf-G. Meißner, Lectures on “Strong Interactions,” Fourth Summer School on High Energy Physics and Quantum Field Theory, Yerevan, Armenia, 20-23 August, 2016.
- B256 Ulf-G. Meißner, “Pion-nucleon interaction: status and impact,” plenary talk, XII International Conference “Quark Confinement and the Hadron Spectrum”, Thessaloniki, Greece, August 29-September 3, 2016.
- B257 Ulf-G. Meißner, “Hadronic Parity Violation in Chiral EFT,” invited talk, mini-workshop on “Hadronic weak physics and new physics with medium energy nucleon beams,” ITP, CAS, Beijing, September 20, 2016.
- B258 Ulf-G. Meißner, “Nuclear Structure and Reactions from Nuclear Lattice EFT,” invited talk, Workshop on “Covariant Density Functional Theory for Nuclear Structure,” Peking University, 19-22 September, 2016.
- B259 H. Witala, J. Golak, R. Skibinski, K. Topolnicki, E. Epelbaum, K. Hebeler, H. Kamada, H. Krebs, Ulf-G. Meißner, A. Nogga, “Role of the total isospin 3/2 component in three-nucleon reactions,” *Few Body Syst.* **57** (2016) no.12, 1213.
- B260 B. Kubis, M. Hoferichter, J. Ruiz de Elvira and Ulf-G. Meißner, “Pion-nucleon scattering: from chiral perturbation theory to Roy-Steiner equations,” *EPJ Web Conf.* **130** (2016) 01006.
- B261 Ulf-G. Meißner, “Strong interaction theory,” talk, 1st IAS Symposium, Forschungszentrum Jülich, Germany, 5-6 December, 2016.
- B262 Ulf-G. Meißner, T. A. Lähde, T. Luu, “Pushing the Boundaries of Nuclear Physics with Lattice Simulations,” in NIC Symposium 2016, K. Binder, M. Müller, M. Kremer, A. Schnurpfeil (Editors), NIC Series, Vol. 48 (Jülich, 2016).
- B263 Ulf-G. Meißner, “Theoretical aspects of exotic hadrons,” invited talk, focus session on “Exotic Matter”, Physics@Veldhoven 2017, Veldhoven, The Netherlands, January 17-18, 2017.
- B264 Ulf-G. Meißner, “Fine-tuning and the emergence of structure in nuclear physics,” invited talk, workshop on “The tower of the effective field theories and the emergence of the nuclear phenomena,” ESNT, CEA Saclay, Paris, France, January 17-20, 2017.
- B265 R. Skibinski, J. Golak, K. Topolnicki, H. Witala, E. Epelbaum, H. Kamada, H. Krebs, Ulf-G. Meißner, A. Nogga, “Modern Chiral Forces Applied to the Nucleon-Deuteron Radiative Capture,” *Few Body Syst.* **58** (2017) no.2, 28.
- B266 Ulf-G. Meißner and A. Rusetsky, “Baryon resonances in a finite volume,” *EPJ Web Conf.* **134** (2017) 02006.
- B267 B. Kubis and Ulf-G. Meißner, “Chiral dynamics with (non)strange quarks,” *EPJ Web Conf.* **134** (2017) 03002.
- B268 E. Epelbaum, H. W. Hammer and Ulf-G. Meißner, “Neutron properties from light nuclei,” *EPJ Web Conf.* **134** (2017) 03005.

- B269 H. W. Hammer and Ulf-G. Meißner, “Dispersion theoretical analysis of the nucleon form factors,” EPJ Web Conf. **134** (2017) 04001.
- B270 Ulf-G. Meißner and A. Rusetsky, “Spin structure of the nucleon (theory),” EPJ Web Conf. **134** (2017) 04002.
- B271 E. Epelbaum, H. Krebs and Ulf-G. Meißner, “Chiral dynamics of/with unstable particles,” EPJ Web Conf. **134** (2017) 04005.
- B272 Ulf-G. Meißner, J. Ruiz de Elvira, M. Hoferichter and B. Kubis, “Roy-Steiner-equation analysis of pion-nucleon scattering,” EPJ Web Conf. **137** (2017) 01014.
- B273 Ulf-G. Meißner, “New insights into nuclear clustering,” invited talk, workshop on “Probing fundamental interactions by low energy excitations - Advances in nuclear physics,” Royal Institute of Technology, Stockholm, Sweden, June 05-09, 2017.
- B274 Ulf-G. Meißner, “Physical Constraints on the Simulation Argument,” Workshop on “Science, Metaphysics, and Skepticism,” Center for Science and Thought, University of Bonn, June 29, 2017.
- B275 Ulf-G. Meißner, “Nuclear lattice simulations: An introduction,” Lectures at the JOINT FGZ-PH Summer School on Methods of Effective Field Theory & Lattice Field Theory, TU München, June 26 - July 7, 2017.
- B276 Ulf-G. Meißner, “Nuclear Physics as Precision Science,” plenary talk, XXIX IUPAP Conference on Computational Physics, CCP2017, Paris, France, July 10 -13, 2017, J. Phys.: Conf. Ser. **1136** (2018) 012001.
- B277 Ulf-G. Meißner, “Lattice Nuclear Physics,” plenary talk, The 7th Asia-Pacific Conference on Few-Body Problems in Physics Physics, APFB2017, Guilin, China, August 25 - 30, 2017.
- B278 Ulf-G. Meißner, “Status of Project A.5,” talk, CRC 110 General Meeting, Peking University, Beijing, China, August 29 - 31, 2017.
- B279 Ulf-G. Meißner, “Theory of nucleon and nuclear EDMs,” invited talk, Workshop on “Physics of the Standard Model and Beyond,” Tbilisi State University, Tbilisi, Georgia, Sept. 25 - 27, 2017.
- B280 Ulf-G. Meißner, “Theta-term physics,” invited talk, Workshop on “Recent Developments in QCD and Quantum Field Theories,” National Taiwan University, Taipei, Taiwan, Nov. 9 - 12, 2017.
- B281 Ulf-G. Meißner, “Recent progress in NLEFT,” talk, 4th Meeting of the Low Energy Nuclear Physics International Collaboration (LENPIC), Ruhr-Universität Bochum, Bochum, Feb. 19-20, 2018.
- B282 Ulf-G. Meißner, “Towards a new paradigm in hadron spectroscopy,” plenary talk, DPG Symposium “Colorless and colorfull QCD,” DPG Frühjahrstagung, Bochum, Feb. 28., 2018.

- B283 Ulf-G. Meißner, “Towards a new paradigm in hadron spectroscopy,” invited talk, 2nd Workshop on Heavy Quark Physics, Institute for High-Energy Physics (IHEP), Beijing, China, April 23-25, 2018.
- B284 Ulf-G. Meißner, “Strong interactions,” Lectures at the Institute for Theoretical Physics (ITP), Chinese Academy of Sciences, Beijing, China, April 2-28, 2018.
- B285 Ulf-G. Meißner, “Theory and phenomenology of hadronic molecules,” invited talk, Workshop on “Exotic Hadrons and Flavor Physics,” Simons Center for Geometry and Physics, Stony Brook, NY, USA, May 28 - June 1, 2018.
- B286 Ulf-G. Meißner, “Life on Earth: An Accident?,” plenary talk, 8th Georgian-German School and Workshop in Basic Science (GGSWBS), Tbilisi, Georgia, August 20 - 25, 2018.
- B287 Ulf-G. Meißner, “Another Walk through the World of Chiral Dynamics,” opening talk, Ninth International Workshop on Chiral Dynamics (CD2018) Durham, NC, USA, September 17-21, 2018, PoS(CD2018)013.
- B288 M. Hoferichter, J. Ruiz de Elvira, B. Kubis and Ulf-G. Meißner, “Roy-Steiner equations for pion-nucleon scattering and the pion-nucleon σ -term,” talk, Ninth International Workshop on Chiral Dynamics (CD2018) Durham, NC, USA, September 17-21, 2018, PoS(CD2018)010.
- B289 N. Li, S. Elhatisari, E. Epelbaum, D. Lee, B.-N. Lu and Ulf-G. Meißner, “NN interaction and spectrum of the light- and medium-mass nuclei using Lattice EFT,” talk, Ninth International Workshop on Chiral Dynamics (CD2018) Durham, NC, USA, September 17-21, 2018, PoS(CD2018)099.
- B290 Ulf-G. Meißner, “Theoretical aspects of baryon form factors,” symposium talk, EMMI Rapid Reaction Task Force “Electromagnetic Structure of Strange Baryons,” GSI, Darmstadt, October 22-24, 2018.
- B291 Ulf-G. Meißner, “Towards nuclear physics as precision science,” International Conference Nuclear Theory in the Supercomputing Era, 2018 (NTSE-2018), IBS Headquarters, Daejeon, Korea, October 29 - November 2, 2018.
- B292 Ulf-G. Meißner, “Nuclear physics from lattice simulations,” The first workshop of Southern Nuclear Science Computing Center, Shipai Campus, South China Normal University, Guangzhou, China, 8-9 January 2019.
- B293 Ulf-G. Meißner, “Breaking and restauration of symmetries in NLEFT,” colloquium talk, ENST program on “Symmetry breaking and symmetry preserving schemes: how to efficiently grasp collective correlations in mesoscopic many-body systems?,” CEA Saclay, May 13-17, 2019.
- B294 Ulf-G. Meißner, “Theory of baryon resonances,” plenary talk, The 12th International Workshop on the Physics of Excited Nucleons (NSTAR 2019), Bonn, Campus Poppelsdorf, Germany, 10-14 June 2019, *EPJ Web Conf.* **241** (2020) 02003.
- B295 Ulf-G. Meißner, “Nuclear lattice effective field theory,” Lectures at the Summer School on “Frontiers in Lattice QCD,” Peking University, Beijing, China, June 24 - July 12, 2019.

- B296 Ulf-G. Meißner, “Introduction to effective field theories for strong interactions,” Lectures at the Summer School on “Low-Energy Strong Interactions,” ITP/CAS, Beijing, China, August 24 - August 28, 2019.
- B297 Ulf-G. Meißner, “Lectures on Chiral Perturbation Theory,” School and Workshop “Frontiers of QCD,” Tbilisi State University, Tbilisi, Georgia, September 24-28, 2019.
- B298 Ulf-G. Meißner, “Theory of hadron resonances,” invited talk, School and Workshop “Frontiers of QCD,” Tbilisi State University, Tbilisi, Georgia, September 24-28, 2019.
- B299 Ulf-G. Meißner, “Theory of hadron resonances,” invited talk, Workshop on “Universal physics in Many-Body Quantum Systems From Atoms to Quarks,” ECT*, Trento, Italy, October 7-11, 2019.
- B300 Ulf-G. Meißner, “Precision predictions,” Joint ECFA-NuPECC-APPEC Seminar (JENAS), LAL, Orsay, France, October 14-16, 2019.
- B301 Ulf-G. Meißner, “Towards heavy nuclei in nuclear lattice effective field theory,” invited talk, workshop on “New generation nuclear density functionals,” Peking University, Beijing, China, November 18-22, 2019.
- B302 Ulf-G. Meißner, “Nuclear lattice effective field theory: Status and perspectives,” invited talk, 10th NIC Symposium, Jülich Supercomputing Centre, Jülich, Germany, February 27-28, 2020.
- B303 Ulf-G. Meißner, “Two-pole structures in QCD: Facts, not fantasy!,” invited talk, 718. WE-Heraeus-Seminar “Vistas in Hadron Spectroscopy”, Bad Honnef, Germany, April 14-17, 2020.
- B304 M. L. Du, V. Baru, F. K. Guo, C. Hanhart, Ulf-G. Meißner, J. A. Oller and Q. Wang, “Decoding the nature of the pentaquark states from LHCb,” 18th International Conference on Hadron Spectroscopy and Structure (HADRON 2019), pp. 275-280 (2020), doi:10.1142/9789811219313_005
- B305 Ulf-G. Meißner, “Hypernuclear Physics from Nuclear Lattice EFT,” invited talk, Joint THEIA-STRONG2020 seminar, Mainz, Germany, online, October 28, 2020.
- B306 Ulf-G. Meißner, “Topics and open issues in hadron physics,” invited talk, Workshop on Future Prospects in Hadron Physics, Bonn University, Bonn, Germany, online, December 8, 2020.
- B307 Ulf-G. Meißner, “Two-pole structures in QCD: Facts, not fantasy!,” invited talk, Workshop on “Theoretical Aspects of Hadron Spectroscopy and Phenomenology,” Valencia, Spain, online, December 15-17, 2020.
- B308 Ulf-G. Meißner, “A view on the proton mass: Sigma terms, the trace anomaly and all that,” invited talk, 3rd Proton Mass Workshop: Origin and Perspective, Argonne National Laboratory, USA, online, January 14-16, 2021.
- B309 Ulf-G. Meißner, “Strangeness nuclear physics: Status and perspectives,” invited talk, Workshop on “Fundamental Physics at the strangeness frontier at DAΦNE,” Frascati, Italy, online, February 25-26, 2021.

- B310 Ulf-G. Meißner, “Molecular structures in hadron and nuclear physics,” invited lecture, Online Lectures of the Matter and Cosmos Section, Deutsche Physikalische Gesellschaft, Germany, March 11, 2021.
- B311 Ulf-G. Meißner, “Hadronic molecules,” invited talk, Workshop on “Experimental and theoretical status of and perspectives for XYZ states,” EMMI, GSI, Darmstadt, Germany, April 12-15, 2021.
- B312 Ulf-G. Meißner, “Two-pole structures in QCD,” invited talk, ACHT 2021: Perspectives in Particle, Cosmo- and Astroparticle Theory, Zagreb, Croatia, online, April 21-23, 2021.

V. PROCEEDINGS and related

- P1 Ulf-G. Meißner, “Effective Field Theories of the Standard Model,” World Scientific Publ. Co., Singapore, 1992.
- P2 J. Bijnens and Ulf-G. Meißner, “The Standard Model at Low Energies,” Mini-Proceedings, ECT* workshop, [hep-ph/9606301](#), 1996.
- P3 J. Bijnens and Ulf-G. Meißner, “Chiral Effective Theories,” Mini-Proceedings, Bad Honnef workshop, [hep-ph/9901381](#), 1999.
- P4 A.M. Bernstein, J.L. Goity and Ulf-G. Meißner, “Chiral Dynamics: Theory and Experiment III,” World Scientific, Singapore, 2001.
- P5 J. Bijnens, Ulf-G. Meißner and A. Wirzba, “Effective Field Theories of QCD,” Mini-Proceedings, Bad Honnef Workshop, [hep-ph/0201266](#), 2001.
- P6 Ulf-G. Meißner, H.-W. Hammer and A. Wirzba, Fourth International Conference on “Chiral Dynamics: Theory and Experiment (CD 2003),” Mini-Proceedings, Bonn, Germany, [hep-ph/0311212](#), 2003.
- P7 Ulf-G. Meißner and W. Plessas, “Lectures on Flavor Physics,” Proceedings of the 41. Internationale Universitätswochen für Theoretische Physik, Schladming, February 2003, *Lecture Notes In Physics* **629** (Springer, Berlin-Heidelberg, 2004) .
- P8 J. Bijnens, Ulf-G. Meißner and A. Wirzba, “Effective Field Theories in Nuclear, Particle and Atomic Physics,” Mini-Proceedings, Bad Honnef Workshop, [hep-ph/0502008](#), 2005.
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