

Publications in Refereed Journals

1. Subtractive renormalization of the NN interaction in chiral effective theory up to next-to-next-to-leading order: S waves, C. J. Yang, Ch. Elster, and D.R. Phillips, arXiv:0905.4933 [nucl-th]; submitted to Phys. Rev. C.
2. A New Treatment of 2N and 3N Bound States in Three Dimensions, W. Glöckle, Ch. Elster, J. Golak, R. Skibinski, H. Witała, H. Kamada, arXiv:0906.0321 [nucl-th]; to appear in Few-Body Systems.
3. Subtractive renormalization of the chiral potentials up to next-to-next-to-leading order in higher NN partial waves, C. J. Yang, Ch. Elster, and D.R. Phillips, arXiv:0901.2663 [nucl-th]; to appear in Phys. Rev. C.
4. Lorentz Boosted Nucleon-Nucleon T-matrix and the Triton Binding Energy, H. Kamada, W. Glöckle, H. Witała, J. Golak, R. Skibinski, W. Polyzou and Ch. Elster, Mod. Phys. Lett. **A24**, 804 (2009).
5. Poincaré-invariant Three-Body Scattering, Ch. Elster, T. Lin, W.N. Polyzou, W. Glöckle, Few Body Syst. **45**, 157 (2009).
6. Influence of the $N^*(1440)$ and $N^*(1535)$ Resonances in Intermediate Energy pp and np Scattering, A. Pricking, Ch. Elster, A. Gårdestig, F. Hinterberger and the EDDA Collaboration, arXiv:0708.3692 [nucl-th], submitted to Physical Review C.
7. A New Approach to the 3D Faddeev Equation for Three-Body Scattering, Ch. Elster, W. Glöckle, H. Witała, Few Body Syst. **45** 1, (2009).
8. Three-body scattering in Poincaré-invariant quantum mechanics, W.N. Polyzou, T. Lin, Ch. Elster, W. Glöckle, Few Body Syst. **44**, 287 (2008).
9. Faddeev and Glauber Calculations at Intermediate Energies in a Model for $n+d$ Scattering, Ch. Elster, T. Lin, W. Glöckle, S. Jeschonnek, Phys. Rev. **C78**, 034002 (2008).
10. Poincaré Invariant Three-Body Scattering at Intermediate Energies, T. Lin, Ch. Elster, W.N. Polyzou, H. Witała, W. Glöckle, Phys. Rev. **C78**, 024002 (2008).
11. Relativistic Effects in Exclusive pd Breakup Scattering at Intermediate Energies, T. Lin, Ch. Elster, W.N. Polyzou, W. Glöckle, Phys. Lett. **B 660**, 345 (2008).
12. Subtractive renormalization of the NN scattering amplitude in leading order in chiral effective theory, C.-J. Yang, Ch. Elster, D.R. Phillips, Phys. Rev. **C77**, 014002 (2008).

13. First Order Relativistic Three-Body Scattering, T. Lin, Ch. Elster, W. Polyzou, W. Glöckle, Phys. Rev. **C76**, 014010 (2007).
14. Three-Body Elastic and Inelastic Scattering at Intermediate Energies, H. Liu, Ch. Elster, W. Glöckle, Nucl. Phys. **A790**, 262c (2007).
15. Charged and Neutral Pion Production in the S-matrix Approach, V. Malafaiia, M.T. Peña, Ch. Elster, J. Adam Jr, Phys. Rev. **C74**, 042201(R) (2006).
16. Near-threshold $NN \rightarrow d\pi$ reaction in chiral perturbation theory, A. Gardestig, D.R. Phillips, Ch. Elster, Phys. Rev. **C73**, 024002 (2006).
17. Three-Body Scattering at Intermediate Energies, H. Liu, Ch. Elster, W. Glöckle, Phys. Rev. **C72**, 054003 (2005).
18. The Operator form of ${}^3\text{H}$ (${}^3\text{He}$) Wave Function and its Spin Structure, I. Fachruddin, W. Glöckle, Ch. Elster, A. Nogga, Phys. Rev. **C69**, 064002 (2004).
19. Model Study of Three-Body Forces in the Three-Body Bound State, H. Liu, Ch. Elster, W. Glöckle, Few-Body Systems **33**, 241 (2003).
20. The Nd Break-Up Process in Leading Order in a Three-Dimensional Approach, I. Fachruddin, Ch. Elster, W. Glöckle, Phys. Rev. **C68**, 054003 (2003).
21. ηN Final State Interaction in incoherent Photoproduction of η -mesons from the Deuteron', S. Schneider, A. Sibirtsev, Ch. Elster, J. Haidenbauer, S. Krewald, J. Speth, Eur. Phys. Journal **A 18**, 421, (2003).
22. Lorentz Boosted NN Potentials for Few-Body Systems: Application to the three-nucleon bound state, H. Kamada, W. Glöckle, J. Golak, Ch. Elster, Mod. Phys. Lett. **A18**, 124-127 (2003).
23. The Proton-Deuteron Break-Up Process in a Three-Dimensional Approach, I. Fachruddin, Ch. Elster, W. Glöckle, Mod. Phys. Lett. **A18**, 452-455 (2003).
24. Toy Model for Pion Production in nucleon-nucleon collisions. II. The role of three-particle singularities, A. Motzke, Ch. Elster, C. Hanhart, Phys. Rev. **C66**, 054002 (2002).
25. Lorentz Boosted NN Potential for Few-Body Systems: Application to the three-nucleon bound state, H. Kamada, W. Glöckle, J. Golak, Ch. Elster, Phys. Rev. **C66**, 044010 (2002).
26. Pseudovector vs. pseudoscalar coupling in one-boson exchange NN potentials, G. Caia, J.W. Durso, Ch. Elster, J. Haidenbauer, A. Sibirtsev, J. Speth, Phys. Rev. **C66**, 044006 (2002).

27. Incoherent Eta Photoproduction from the Deuteron near Threshold, A. Sibirtsev, S. Schneider, Ch. Elster, J. Haidenbauer, S. Krewald and J. Speth, Phys. Rev. **C65**, 067002 (2002).
28. ηN Final State Interaction in incoherent Photoproduction of η -mesons from the Deuteron near Threshold, A. Sibirtsev, S. Schneider, Ch. Elster, J. Haidenbauer, S. Krewald and J. Speth, Phys. Rev. **C65**, 044007 (2002).
29. Resonance Saturation for four-nucleon operators, E. Epelbaum, U.G. Meissner, W. Glöckle, Ch. Elster, Phys. Rev. **C65**, 044001 (2002).
30. Numerical Implementation of Three-Body Forces into Bound State Faddeev Calculations in Three Dimensions, H. Liu, Ch. Elster, W. Glöckle, Comput. Phys. Commun. **147**, 170 (2002).
31. Nucleon-Nucleon Scattering in a Three-Dimensional Approach, I. Fachruddin, Ch. Elster, W. Glöckle, Nucl. Phys. **A689**, 507c (2001).
32. Incoherent Photoproduction of η -mesons from the Deuteron near Threshold, A. Sibirtsev, Ch. Elster, J. Haidenbauer, J. Speth, Phys. Rev. **C64**, 024006 (2001).
33. New Forms of Deuteron Equations and Wave Functions Representations, I. Fachruddin, Ch. Elster, W. Glöckle, Phys. Rev. **C63**, 054003-1 (2001).
34. Nucleon-Nucleon Scattering in a Three Dimensional Approach, I. Fachruddin, Ch. Elster, W. Glöckle, Phys. Rev. **C62**, 044002-1 (2000).
35. Three-Body Scattering Below Breakup Threshold: An Approach without using Partial Waves, W. Schadow, Ch. Elster, and W. Glöckle, Few-Body Systems **28**, 15 (2000).
36. Sensitivities of the Proton-Neutron Elastic Scattering Observables of ${}^6\text{He}$ and ${}^8\text{He}$ at Intermediate Energies, S.P. Weppner, O. Garcia, and Ch. Elster, Phys. Rev. **C61**, 044601 (2000).
37. Modern NN Force Predictions for the Total ND Cross Section up to 300 MeV, H. Witała, H. Kamada, A. Nogga, W. Glöckle, Ch. Elster, Hüber, Phys. Rev. **C59**, 3035 (1999).
38. Three Body Bound State Calculations without Angular Momentum Decomposition, Ch. Elster, W. Schadow, A. Nogga, W. Glöckle, Few-Body Systems **27**, 83 (1999).
39. Reply to ‘Comment on ‘Energy Dependence of the NN t-matrix in the Optical Potential for Elastic N-Nucleus Scattering’’, Ch. Elster and S.P. Weppner, Phys. Rev. **C59**, 1816 (1999).

40. Shadowing and Antishadowing Effects in a Model for the n+d Total Cross Section, Ch. Elster, W. Schadow, H. Kamada, W. Glöckle, Phys. Rev. **C58**, 3109 (1998).
41. Inadequacies on the Nonrelativistic 3N Hamiltonian in Describing the n+d Total Cross Section above 100 MeV, W.P. Abfalterer, F.B. Bateman, F.S. Dietrich, Ch. Elster, R.W. Finlay, W. Glöckle, J. Golak, R.C. Haight, D. Hüber, G.L. Morgan, H. Witala, Phys. Rev. Lett. **81**, 57 (1998).
42. Off-Shell Structures of Nucleon-Nucleon t-matrices and their Influence on Nucleon-Nucleus Elastic Scattering Observables, .P. Weppner, Ch. Elster, D. Hüber, Phys. Rev. **C57**, 1378 (1998).
43. Energy Dependence of the NN t-matrix in the Optical Potential for Elastic Nucleon-Nucleus Scattering, Ch. Elster and S.P. Weppner, Phys. Rev. **C57**, 189 (1998).
44. Two-Body T-Matrices without Angular Momentum Decomposition: Energy and Momentum Dependencies, Ch. Elster, J.H. Thomas, and W. Glöckle, Few-Body Systems **24**, 55 (1998).
45. Full-Folding Optical Potentials for Elastic Nucleon-Nucleus Scattering based on Realistic Densities, Ch. Elster, S.P. Weppner, and C.R. Chinn, Phys. Rev. **C56**, 2080 (1997).
46. Nucleon Scattering from Very Light Nuclei: Intermediate Energy Expansions for Transition Potentials and Breakup Processes, Ch. Elster and W. Glöckle, Phys. Rev. **C55**, 1058 (1997).
47. Nonlocality in the Nucleon-Nucleon Force due to Minimal Relativity Factors: Effects on Two-Nucleon Observables and the Three Nucleon Binding Energy, Ch. Elster, E.E. Evans, H. Kamada, and W. Glöckle, Few-Body Systems **21**, 25 (1996).
48. Propagator Modifications in Elastic Nucleon-Nucleus Scattering within the Spectator Expansion, C.R. Chinn, Ch. Elster, R.M. Thaler, S.P. Weppner, Phys. Rev. **C52**, 1992 (1995).
49. Application of Multiple Scattering Theory to Lower Energy Elastic Nucleon-Nucleus Reactions, C.R. Chinn, Ch. Elster, R.M. Thaler, S.P. Weppner, Phys. Rev. **C51**, 1418 (1995).
50. Total Cross Sections for Neutron Scattering, C.R. Chinn, Ch. Elster, R.M. Thaler, S.P. Weppner, Phys. Rev. **C51**, 1033 (1995).
51. Microscopic Formulation of Medium Contributions to the First Order Optical Potential, C.R. Chinn, Ch. Elster, R.M. Thaler, Phys. Rev. **C48**, 2956 (1993).

52. A Practical Computational Method for Treating Coulomb Scattering in Momentum Space, Ch. Elster, L.C. Liu, R.M. Thaler, *J. Phys. G* **19**, 2123 (1993).
53. Isospin Effects in Elastic Proton-Nucleus Scattering, C.R. Chinn, Ch. Elster, R.M. Thaler, *Phys. Rev. C* **47**, 2242 (1993).
54. Momentum Space Treatment of Coulomb Distortions in a Multiple Scattering Expansion, C.R. Chinn, Ch. Elster, R.M. Thaler, *Phys. Rev. C* **44**, 1569 (1991).
55. Nucleon-Nucleon Interaction at Intermediate Energies and Related Nuclear Processes, Ch. Elster, *Nucl. Phys.* **A508**, 197c (1990).
56. Full Folding Optical Potentials in Elastic Proton-Nucleus Scattering, T. Cheon, Ch. Elster, E. F. Redish, P.C. Tandy, *Phys. Rev. C* **41**, 841 (1990).
57. Effective Mass of the Nucleon at Intermediate Energies, T. Cheon and Ch. Elster, *Prog. Theor. Phys.* **81**, 559 (1989).
58. A Gaussian Parameterization of a Meson-Theoretical N-N Potential for Microscopic Nuclear-Structure Calculations, H. Kellermann, H.M. Hoffmann, *Few-Body Systems* **7**, 31 (1989).
59. Off-Shell Effects from Meson Exchange in the Nuclear Optical Potential, Ch. Elster and P.C. Tandy, *Phys. Rev. C* **40**, 881 (1989).
60. Neutron-proton scattering observables at 325 MeV, the ϵ_1 parameter, and the tensor force. G. Chulick, Ch. Elster, R. Machleidt, A. Picklesimer and R.M. Thaler, *Phys. Rev. C* **37**, 1549 (1988).
61. Extension of the Bonn meson exchange NN potential above pion production threshold. II. Role of the Delta Isobar. Ch. Elster, K. Holinde, D. Schütte, and R. Machleidt, *Phys. Rev C* **38**, 1828 (1988).
62. Extension of the Bonn meson exchange NN potential above pion production threshold. I. Nucleon renormalization and unitarity. Ch. Elster, W. Ferchländer, K. Holinde, D. Schütte, and R. Machleidt, *Phys. Rev. C* **37**, 1647 (1988).
63. The Bonn Meson Exchange Model for the Nucleon-Nucleon Interaction, R. Machleidt, K. Holinde, Ch. Elster, *Physics Reports* **149**, 1 (1987).
64. A consistent Meson Exchange Model for the NN-Interaction, Ch. Elster, K. Holinde, R. Machleidt, *Acta Physica Austriaca, Supp.* XXVII (1985), 597.
65. Nucleon-Antinucleon Interaction; Quark-Gluon versus Meson Exchange, Ch. Elster and K. Holinde, *Phys. Lett.* **149B**, 293 (1984).

66. NN-Scattering Phase Shifts; Quark-Gluon versus Meson Exchange, Ch. Elster and K. Holinde, *Phys. Lett.* **136B**, 135 (1984).

**Contributed Papers to Conferences,
Invited Talks and Oral Presentations at Professional Meetings**

1. Symposium *Frontiers in Nuclear Physics*, ‘Faddeev Calculations in Three Dimensions’, Bad Honnef, Germany, June 18-20, 2009, Inv. Talk, Ch. Elster
2. INT Workshop ‘Effective Field Theories and the Many-Body Problem’, U. Washington, Seattle, March 23 - June 5, 2009, ”Can EFT help p+A Scattering?”, Inv. Talk, Ch. Elster
3. American Physical Society meeting, May 1-5, 2009, ‘Subtractive Renormalization of the chiral potentials up to next-to-next-to-leading order I: Higher NN partial waves.’, C.J. Yang, Ch. Elster, D.R. Phillips, *Bull. Amer. Phys. Soc.* **54**, 127 (2009).
4. American Physical Society meeting, May 1-5, 2009, ‘Subtractive Renormalization of the chiral potentials up to next-to-next-to-leading order II: S-waves.’, C.J. Yang, Ch. Elster, D.R. Phillips, *Bull. Amer. Phys. Soc.* **54**, 127 (2009).
5. Annual Meeting of the Division of Nuclear Physics, October 23-26, 2008, Oakland, CA, ‘Faddeev and Glauber Calculations at Intermediate Energies in a Model for n+d Scattering’, Ch. Elster, T. Lin, W. Glöckle, S. Jeschonnek.
6. Workshop on ‘Critical Stability’, Oct. 13-17, 2008, Ettore Majorana Centre, Erice, Italy, ‘Poincaré Invariant Three-Body Scattering’, Inv. Talk, Ch. Elster, T. Lin, W.N. Polyzou, W. Glöckle, arXiv:0812.1834 [nucl-th].
7. The 4th Asia-Pacific Conference on Few-Body Problems in Physics, August 19-13, 2008, Depok, Indonesia, ‘Lorentz Boosted Nucleon-Nucleon T-Matrix and the Triton Binding Energy’, H. Kamada, W. Glöckle, H. Witała, J. Golak, R. Skibiński, W. Polyzou, Ch. Elster, arXiv:0810.2148 [nucl-th].
8. Gordon Conference on Photonuclear Reactions, August 10-15, 2008, Tilton School, NH, ‘Poincaré Invariant Three-Nucleon Scattering’, T. Lin, Ch. Elster, W. Polyzou, W. Glöckle, H. Witała.
9. Light Cone 2008, Relativistic Nuclear and Particle Physics, Mulhouse, France, July 7-11, 2008, ‘A Poincaré invariant treatment of the three-nucleon problem’, W. Polyzou, M. Tucker, S. Veerasamy, Ch. Elster, T. Lin, W. Glöckle, H. Witała, J. Golak, R. Skibiński, H. Kamada, B. Keister, **PoS LC2008**: 039, 2008; and arXiv:0812.2204 [nucl-th].

10. 2008 Jefferson Lab Users Group Meeting, June 16-19, 2008, Newport News, VA, ‘Relativity and Three-Body Systems, Inv. Talk, Ch. Elster
11. Annual Meeting of the Division of Nuclear Physics, October 25-28, 2007, Newport News, VA, ‘Poincaré Invariant Three-Body Scattering’, T. Lin, Ch. Elster, W. Polyzou, W. Glöckle.
12. 20th Midwest Nuclear Theory Get-Together, Oct. 5-6, 2007, Argonne, IL, Poincaré Invariant Three-Body Scattering’, T. Lin, Ch. Elster, W. Polyzou, W. Glöckle.
13. 20th European Conference on Few-Body Problems in Physics, September 10-14, 2007, Pisa, Italy, Three Body Scattering in ‘Poincaré Invariant Quantum Mechanics’, W. Polyzou, T. Lin, Ch. Elster, W. Glöckle, *nucl-th/0711.1635*.
14. Gordon Conference on Nuclear Physics, July 15-20, 2007, Salve Regina University, Newport, RI, ‘Relativistic Three-Body Scattering’, Ch. Elster, T. Lin, W. Polyzou, W. Glöckle.
15. International Nuclear Physics Conference INPC2007, June 3-8, 2007, Tokyo, Japan, ‘Relativistic Three-Body Scattering in First Order Faddeev Formulation’, Ch. Elster, T. Lin, W. Polyzou, W. Glöckle, *arXiv:0708.3868 [nucl-th]*.
16. International Mini-Workshop on ”Nuclear Reactions from Few to Many Body Systems”, June 2, 2007, U. Tokyo, ‘First Order Poincarè-Invariant Faddeev Calculations’, Inv. Talk, Ch. Elster.
17. INT Program 07-1, Fundamental Neutron Physics, March 19 - June 8, 2007, Seattle, WA, ‘First Order Relativistic Three-Body Scattering’, Inv. Talk, Ch. Elster.
18. Annual Meeting of the Division of Nuclear Physics, October 25-28, 2006, Nashville, TN, ‘Relativistic Effects in First Order Three-Body Calculations’, T. Lin, Ch. Elster, W. Polyzou, W. Glöckle.
19. 18th International IUPAP Conference on Few-Body Problems in Physics, Santos, Brazil, Aug. 21-26, 2006, ‘Three-Body Elastic and Inelastic Scattering at Intermediate Energies’, Ch. Elster, H. Liu, W. Glöckle.
20. American Physical Society Meeting, April 2006, Dallas TX, ‘Influence of the N^*1440 and N^*1535 Resonances in Intermediate Energy pp and np Scattering’, Ch. Elster, A. Pricking, A. Gardestig, and the EDDA Collaboration.
21. 3rd Asia-Pacific Conference on Few-Body Problems in Physics, July 26-30, 2005, Nakhon Ratchasima, Thailand, ‘Three-Nucleon Scattering at Intermediate Energies’, I. Fachruddin, Ch. Elster, W. Glöckle, *nucl-th/0708.135*.

22. 2004 Fall Meeting of the Division of Nuclear Physics, October 28-30, Chicago IL, 'Three-Body Scattering without Partial Waves', Ch. Elster, H. Liu, W. Glöckle.
23. 2004 Fall Meeting of the Division of Nuclear Physics, October 28-30, Chicago IL, 'Three-Body Break-Up Processes at Higher Energies', H. Liu, Ch. Elster, W. Glöckle.
24. 19th European Conference on Few-Body Problems in Physics, August 23-27, 2004, Groningen NL, 'Three-Body Scattering without Partial Waves', Ch. Elster, H. Liu, W. Glöckle, AIP Conference Proceedings Vol. 768, Edts N. Kalantar-Nayestanak, R.G.E. Timmermans, B.L.G. Bakker, New York 2005, p. 430.
25. American Physical Society, Ohio Section, April 2004, 'Three-Body Scattering without Partial Waves', H. Liu, Ch. Elster, W. Glöckle.
26. American Physical Society, Ohio Section, April 2004, 'A complex energy method for two-body scattering', T. Lin, Ch. Elster.
27. INT Program 03-3, Theories of Nuclear Forces and Nuclear Systems, September 29 - December 5, 2003, Seattle, WA, Inv. Talk, 'Towards 3N Calculations at Higher Energies', Ch. Elster.
28. 2003 Fall Meeting of the Division of Nuclear Physics, October 30 - November 1, 2003, Tucson, AZ, 'The Nd Break-Up Process in Leading Order in a Three-Dimensional Approach', Ch. Elster, I. Fachruddin, W. Glöckle, *Bull. Amer. Phys. Soc.* **48**, 26 (2003).
29. 16th Midwest Nuclear Theory Get-Together, Oct. 10-11, 2003, Argonne, IL, 'The Nd Break-Up Process in Leading Order in a Three-Dimensional Approach - Application to the (p,n) Charge Exchange Reaction', Ch. Elster, I. Fachruddin, W. Glöckle.
30. X. International Conference on Hadron Spectroscopy, August 31 - September 6, 2003, Aschaffenburg, Germany, 'Photoproduction of η' -mesons from the Proton', Ch. Elster, A. Sibirtsev, S. Krewald, J. Speth. *Hadron Spectroscopy*, Edts. E. Klempt, H. Koch, H. Orth, AIP Conference Proceedings **717**, AIP, Melville, NY, 2004, p. 837
31. Workshop on Hadron Physics at COSY, July 7-10, 2003, Bad Honnef, Germany, Inv. Talk, 'Question and Problems in Few-Body Reactions', Ch. Elster, I. Fachruddin, W. Glöckle
32. 17th International IUPAP Conference on Few-Body Problems in Physics, June 5-11, 2003, Durham, NC, 'Photoproduction of η' Mesons from the Proton', Ch. Elster, A. Sibirtsev, S. Krewald, J. Speth, *Few Body Problems in Physics*, Edited by W. Glöckle and W. Tornow, 2004 Elsevier, NL, p. S161.

33. 17th International IUPAP Conference on Few-Body Problems in Physics, June 5-11, 2003, Durham, NC, 'Effect of a Lorentz Boosted Potential in the Three-Nucleon Bound State', H. Kamada, W. Glöckle, J. Golak, Ch. Elster, Few Body Problems in Physics, Edited by W. Glöckle and W. Tornow, 2004 Elsevier, NL, p. S263.
34. 15th Midwest Nuclear Theory Get-Together, Oct. 25-25, 2002, Argonne National Laboratory, 'Lorentz Boosted NN Potentials for Few-Body Systems', Ch. Elster, H. Kamada, W. Glöckle, J. Golak.
35. 16th Particles and Nuclei International Conference PANIC, Sept. 30 - Oct. 4, 2002, Osaka, Japan, 'Incoherent Photoproduction of η -mesons from the Deuteron near Threshold', J. Haidenbauer, A. Sibirtsev, S. Schneider, S. Krewald, J. Speth.
36. Second Asia Pacific Conference on Few-Body Problems in Physics, August 27-30, 2002, Shanghai, China, 'Lorentz Boosted NN Potentials for Few-Body Systems: Application to the three-nucleon bound state', H. Kamada, W. Glöckle, J. Golak, Ch. Elster, Mod. Phys. Lett. **A18**, 124-127 (2003).
37. Second Asia Pacific Conference on Few-Body Problems in Physics, August 27-30, 2002, Shanghai, China, 'The Proton-Deuteron Break-Up Process in a Three-Dimensional Approach', I. Fachruddin, Ch. Elster, W. Glöckle, *nucl-th/0211069*, Mod. Phys. Lett. **A18**, 452-455 (2003).
38. QNP2002, International Conference on Quark Nuclear Physics, June 9-14, 2002, Jülich, Germany; ' ηN Final State Interaction in incoherent Photoproduction of η -mesons from the Deuteron near Threshold', S. Schneider, A. Sibirtsev, Ch. Elster, J. Haidenbauer, S. Krewald, J. Speth.
39. Mesons 2002, 7th International Workshop on Meson Production, Properties and Interaction, May 24-28 2002, Krakow, Poland; Inv. Talk, 'Photoproduction of the η Meson from the Deuteron Near Threshold', Ch. Elster, A. Sibirtsev, S. Schneider, J. Haidenbauer, S. Krewald, J. Speth, published in 'Mesons 2002: Production, Properties and Interactions of Mesons', Eds. L. Jarczyk, A. Magiera, C. Guaraldo, H. Machner, World Scientific Publishing Co. 2003, p. 245-256.
40. American Physics Society Meeting, April 2002, Albuquerque, NM; 'Three Body Bound State Calculations with Two and Three Body Forces without Partial Wave Decomposition, H. Liu, Ch. Elster, W. Glöckle *Bull. Amer. Phys. Soc.* **47**, 165 (2002).
41. 19. Cooler Synchrotron (COSY) Workshop, Bad Honnef, Germany, December 2001, Inv. Talk, 'Incoherent Photoproduction of η -Mesons from the Deuteron near Threshold', Ch. Elster

42. 14th Midwest Nuclear Theory Get-Together, Argonne National Laboratory, October 2001, ‘Incoherent Photoproduction of η mesons from Deuterium near Threshold’, Ch. Elster
43. Conference on ‘Mesons and Light Nuclei’, Prague, July 2001; ‘Chiral Dynamics in Few-Nucleon Systems’, E. Epelbaum, U.G. Meißner, W. Glöckle, Ch. Elster, H. Kamada, A. Nogga, H. Witala; published in: Mesons and Light Nuclei: 8th Conference, edited by J. Adam, P. Bydzovsky, J. Mares, AIP Conf. Proc. No. 603, p.17 (AIP, Melville, NY, 2001).
44. Europhysics Conference on Computational Physics, Sept. 5-8, 2001, Aachen, Germany; ‘Three Body Bound State Calculations with Three Body Forces without Angular Momentum Decomposition’, Ch. Elster, H. Liu, W. Glöckle, Book of Abstracts, NIC Series Vol. 8, F. Hossfeld, K. Binder (Edts), p. A22.
45. American Physics Society Meeting, April 2001, Washington DC; ‘Three Dimensional Calculations of the NN System’, Ch. Elster, I. Fachruddin, W. Glöckle, *Bulletin J15.013*.
46. International Symposium on Nuclear Physics, Bhabha Atomic Research Centre, Tombay, Mumbai, Dec. 18-22, 2000, India; Inv. Talk ‘NN Systems in Three Dimensions’, Ch. Elster
47. Workshop on Computational Methods for Few-Body Dynamical Systems, NIST Gaithersburg, MD, Nov. 15-17, 2000; Inv. Talk ‘Faddeev Calculations in Nuclear Physics’, Ch. Elster
48. XVII European Conference on Few-Body Problems in Physics, 11-16 Sept. 2000, Evora, Portugal, ‘Nucleon-Nucleon Scattering in a Three-Dimensional Approach’, I. Fachruddin, Ch. Elster, W. Glöckle.
49. 2000 Meeting of the Scientific Advisory Council of the Institute of Nuclear Physics and COSY, May 8-9, 2000, Forschungszentrum Jülich, Inv. Talk ‘Report on Workshop on Physics at the Spectrometer Big Karl at COSY.’, Ch. Elster
50. 20th COSY-PAC Meeting, May 5-6, 2000, Forschungszentrum Jülich, Inv. Talk ‘Physics at the Spectrometer Big Karl at COSY’, Ch. Elster
51. 64. Physikertagung of the German Physical Society (DPG), March 20-24, 2000, Dresden, ‘Few-Body Calculations - An Approach without Partial Waves.’ Ch. Elster, W. Schadow, W. Glöckle, Verhandl. DPG(VI) 35, 208 (2000).
52. Workshop ‘Towards a Solution for ^4He ’, Graduiertenkolleg Erlangen-Regensburg, January 19, 2000, Erlangen, Inv. Talk ‘Faddeev Calculations without Partial Wave Decomposition’, Ch. Elster

53. COSY-Arbeitsgemeinschaft Nordrhein-Westfälischer Universitäten (CANU) Workshop, December 20-21, 1999, Bad Honnef, Inv. Talk, 'Dreikörper-Rechnungen ohne Partialwellenzerlegung', Ch. Elster
54. Supercomputing 1999, November 13-19, 1999, Portland, code calculating a three-boson bound state (authors Schadow, Elster) showcased for performance on a SGI Pentium III Xeon Linux cluster by the Ohio Supercomputer Center (OSC).
55. Gordon Research Conference on 'Dynamics of Simple Systems in Chemistry and Physics', July 11-16, 1999, Newport, RI, Inv. Talk, 'Three Body States: An Approach Without Partial Waves'. Ch. Elster
56. Workshop on 'The Nuclear Interaction: Modern Developments', Trento, IT, 6/28 - 7/8 1999, Inv.Talk, 'Few Body Calculations: An Approach without Partial Waves'. Ch. Elster
57. Symposium on Current Topics in the Field of Light Nuclei, Krakow, PL, June 21-25, 1999, Inv.Talk, 'Three Body States: an Approach Without Angular Momentum Decomposition.' Ch. Elster
58. American Physical Society meeting, April 1999, 'Three-Body Scattering Calculations without Partial Wave Decomposition.' W. Schadow, Ch. Elster, W. Glöckle, Atlanta, www.aps.org/meet/CENT99/BAPS/abs/S5405004.html
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University of Wisconsin, Madison, WI, April 2009:

‘Let’s go Skating ... and do some Physics on the Ice!’

University of Wisconsin, Madison, WI, April 2009:

‘Poincaré Invariant Three-Body Scattering at Intermediate Energies’

Jefferson Laboratory, Newport News, VA, April 2009:

‘Poincaré Invariant Three-Body Scattering at Intermediate Energies’

Ohio Supercomputer Center (OSC), Columbus, OH, November 2008:

‘Challenges in Three-Nucleon Physics’

RIKEN Nishina Center, RIKEN, Japan, July 2008:

‘Challenges for the Nucleon-Nucleon Force in the Second Resonance Region’

Hosei University, Tokyo, Japan, July 2008:

‘Challenges for the Nucleon-Nucleon Force in the Second Resonance Region’

Kochi University of Technology, Kochi, Japan, July 2008:

‘Challenges in Few Nucleon Physics’

RIKEN Nishina Center, RIKEN, Japan, July 2008:

‘Faddeev and Glauber Calculations for n+d Scattering at Intermediate Energies’

Center for Nuclear Science, U. Tokyo, Japan, June 2008:
'Poincaré Invariant Three-Body Scattering at Intermediate Energies'

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Centro de Física Nuclear, University of Lisbon, Portugal, May 2008:
'Faddeev and Glauber Calculations for n+d Scattering at Intermediate Energies'

Centro de Física das Interações Fundamentais, University Lisbon, Portugal, April 2008:
'Poincaré Invariant Three-Body Scattering'

The Ohio-State University, Columbus, OH, March 2008: 'Poincaré Invariant Three-Body Scattering at Intermediate Energies'

University of Iowa, Iowa City, IA, November 2007: 'Poincaré Invariant Three-Body Scattering at Intermediate Energies'

Argonne National Laboratory (ANL), Argonne, IL, November 2007: 'Poincaré Invariant Three-Body Scattering'

Institute of High Energy Physics (IHEP), Beijing, China, September 2007: 'Challenges for the Nucleon-Nucleon Force in the Second Resonance Region'

Institute of Theoretical Physics, Shanghai Jiao Tong University, Shanghai, China, September 2007: 'Poincaré Invariant Three-Body Scattering at Intermediate Energies'

Institute of Modern Physics (IMP), Chinese Academy of Science, Lanzhou, China, September 2007: 'Poincaré Invariant Three-Body Scattering at Intermediate Energies'

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The Ohio State University, Columbus, OH, June 2007:
'First Order Relativistic Three-Body Scattering'

Jefferson National Laboratory, Newport News, VA, January 2007:
'Relativistic Effects in Three-Body Scattering'

Argonne National Laboratory, Argonne, IL, November 2006:
'Three-Body Scattering at Intermediate Energies: Relativistic Effects'

University Fluminense, Niteroi, Brazil, August 2006:
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National Superconducting Cyclotron Laboratory, MSU, East Lansing MI, February 2006:
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George Washington University, Washington DC, December 2004:
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Kenyon College, Gambier OH, October 2004:
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Physics Division, Livermore National Laboratory, May 1998:
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Dept. of Physics, Kent State University, November 1997:
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Nuclear Theory Division, KFA-Jülich (Germany), December 1993:
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'Microscopic Description of Elastic Nucleon-Nucleus Scattering'

Dept. of Physics, Indiana University, October 1993:
'Microscopic Formulation of Medium Contributions to the First Order Optical Potential'

Dept. of Physics and Astronomy, Ohio University, September 1993:
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Ohio University, Dept. of Physics, Eisenhower Project, June 1992:
'High Performance Supercomputing'

Dept. of Physics and Astronomy, Ohio University, March 1992:
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Dept. of Physics and Astronomy, Ohio University, November 1991:
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'A field-theoretical Model for Pion Nucleon Scattering.'

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'Resonance Structures in NN Scattering up to 1 GeV'.

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