Jacek Golak

Lista publikacji

15 września 2024 roku

Artykuły w czasopismach recenzowanych

1. St. Kistryn, W. Hajdas, J. Lang and R.Müller, J. Balewski, K. Bodek, L. Jarczyk, B. Kamys, and A. Strzałkowski, B. Dechant, J. Krug, W. Lübcke, H. Rühl, M. Steinke, M. Stephan, and D. Kamke, R. Henneck, H. Witała, T. Cornelius, W. Glöckle, and J. Golak, "Analyzing power of the ^{2}H($\vec{n}$,np)n breakup reaction at 67 MeV in selected kinematical configurations", Nucl. Phys. **A548** (1992) 49–63.

2. H. Kamada, W. Glöckle and J. Golak, "Elastic electron scattering on ^{3}He (^{3}H) in impulse approximation", Nuovo Cimento **A105** (1992) 1435–1459.

3. J. E. McAninch, W. Haeberli, H. Witała, W. Glöckle and J. Golak, "Analyzing Power in n-d Elastic Scattering at E^n_{lab}=3 MeV: Measurement and Calculation", Phys. Lett. **B307** (1993) 13–19.

4. S. Ishikawa, K. Kamada, W. Glöckle, J. Golak, H. Witała, "Exclusive electron scattering on ^{3}He with full inclusion of final state interactions", Il Nuovo Cimento, **107A** (1994) 305–330.

5. M. Zadro, M. Bogovac, G. Calvi, M. Lattuada, D. Miljanić, D. Rendić, C. Spitaleri, B. Vlahović, H. Witała, W. Glöckle, J. Golak, H. Kamada, "Proton induced deuteron break-up at E^{lab}_p=22.7 MeV", Il Nuovo Cimento, **107A** (1994) 185–198.

6. M. Allet, K. Bodek, W. Hajdas, J. Lang, R. Müller, O. Naviliat-Cuncic, J. Sromicki, J. Zejma, L. Jarczyk, St. Kistryn, J. Smyrski, A. Strzałkowski, W. Glöckle, J. Golak, H. Witała, B. Dechant, J. Krug, P. A. Schmelzbach, "Cross section and analyzing power A_y in the break-up reaction D($\vec{p}$,pp)n at 65 MeV: collinearity configurations", Phys. Rev. C**50** (1994) 602–613.

7. S. Ishikawa, H. Kamada, W. Glöckle, J. Golak, H. Witała, "Response functions of three-nucleon systems", Phys. Lett. **B339** (1994) 293–296.

8. J. Balewski, K. Bodek, L. Jarczyk, B. Kamys, S. Kistryn, A. Strzałkowski, W. Hajdas, R. Müller, J. Lang, B. Dechant, J. Krug, W. Lübcke, H. Rühl, R. Henneck, H. Witała, W. Glöckle, J. Golak, "Differential cross section for elastic n-p and n-d scattering and the n-d break-up process near quasi free-scattering at 67 MeV", Nucl. Phys. **A581** (1995) 131–144.

Prace opublikowane po doktoracie

9. J. Golak, H. Kamada, H. Witała, W. Glöckle, and S. Ishikawa, "Electron induced pd and ppn breakup of ^{3}He with full inclusion of final state interactions", Phys. Rev. C**51** (1995) 1638–1647.

10. H. Witała, J. Golak, W. Tornow, W. Glöckle, D. Hüber, "Effects of the Tucson-Melbourne three-nucleon force on proton spectra from kinematically incomplete neutron-deuteron breakup experiments", Phys. Rev. C**51** (1995) 1095–1099.

11. D. Hüber, W. Glöckle, J. Golak, H. Witała, H. Kamada, A. Kievsky, S. Rosati, M. Viviani, "Realistic phase shift and mixing parameters for elastic neutron-deuteron scattering: comparison of momentum space and configuration space methods", Phys. Rev. C**51** (1995) 1100–1107.

12. L. M. Qin, W. Boeglin, D. Fritschi, J. Goetz, J. Jourdan, G. Masson, S. Robinson, I. Sick, P. Trueb, M. Tuccillo, B. Zihlmann, H. Witała, J. Golak, W. Glöckle, D. Hüber, "Tensor and vector analyzing powers of the $^1H(d,pp)n$ reaction", Nucl. Phys. **A587** (1995) 252–272.

13. H. Witała, D. Hüber, W. Glöckle, J. Golak, A. Stadler, J. Adam, Jr., "Effects of the three-nucleon forces due to π and ρ meson exchanges in the three-nucleon continuum", Phys. Rev. C**52** (1995) 1254–1259.

14. J. Golak, H. Witała, H. Kamada, D. Hüber, S. Ishikawa, W. Glöckle, "Inclusive electron scattering on ^{3}H and ^{3}He with full inclusion of final state interactions", Phys. Rev. C**52** (1995) 1216–1230.

15. H. Witała, J. Golak, W. Glöckle, D. Hüber, H. Kamada, W. Tornow, E. J. Stephenson, D. A. Low, "Tensor analyzing power A_{yy} for dp breakup in the symmetric constant relative energy configuration", Phys. Rev. C**52** (1995) 2906–2913.

16. D. Hüber, J. Golak, H. Witała, W. Glöckle, H. Kamada, "Phase Shifts and Mixing Parameters for Elastic Neutron-Deuteron Scattering Above Breakup Threshold", Few-Body Syst. **19** (1995) 175–193.

17. H. Patberg, R. Grossmann, G. Nitzsche, L. Sydow, S. Vohl, H. Paetz gen. Schieck, J. Golak, H. Witała, W. Glöckle, D. Hüber, "Deuteron breakup reaction ^{2}H($\vec{p}$,pp)n induced by polarized protons at E_p=19.0 MeV", Phys. Rev. C**53** (1996) 1497–1505.

18. M. Allet, K. Bodek, W. Hajdas, J. Lang, R. Müller, S. Navert, O. Naviliat-Cuncic, J. Sromicki, J. Zejma, L. Jarczyk, St. Kistryn, J. Smyrski, A. Strzałkowski, H. Witała, W. Glöckle, J. Golak, D. Hüber, H. Kamada, "Proton induced deuteron breakup at E_p^{lab}=65 MeV in quasi-free scattering configurations", Few-Body Syst. **20** (1996) 27–40.

19. R. Grossmann, G. Nitzsche, H. Patberg, L. Sydow, S. Vohl, H. Paetz gen. Schieck, J. Golak, H. Witała, W. Glöckle, D. Hüber, "Low energy proton-deuteron versus neutron-deuteron breakup in four configurations: implications for Coulomb force effects", Nucl. Phys. **A603** (1996) 161–175.

20. W. Glöckle, H. Witała, D. Hüber, H. Kamada, J. Golak, "The three-nucleon continuum: achievements, challenges and applications", Phys. Rept. **274** (1996) 107–286.

21. M. Allet, K. Bodek, J. Golak, W. Glöckle, W. Hajdas, D. Hüber, L. Jarczyk, H. Kamada, St. Kistryn, J. Lang, R. Müller, O. Naviliat-Cuncic, J. Smyrski, J. Sromicki, A. Strzałkowski, H. Witała, J. Zejma, "Effects of the Tucson-Melbourne three-nucleon

force in the proton-deuteron breakup process at $E_p^{lab} = 65MeV$", Phys. Lett. **B376** (1996) 255–259.

22. E. A. George, J. Frandy, M. K. Smith, Y. Zhou, L. D. Knutson, J. Golak, H. Witała, W. Glöckle, and D.Hüber, "Measurement of the longitudinal analyzing power for non-coplanar p-d breakup", Phys. Rev. C**54** (1996) 1523–1530.

23. B. D. Anderson, A. R. Baldwin, W. Bertozzi, T. N. Buti, A. Fazely, J. M. Finn, C. C. Foster, W. Glöckle, J. Golak, M. A. Kovash, R. Kurmanow, R. Madey, B. Murdoch, P. C. Tandy, J. W. Watson, and H. Witała, "Cross-section measurements for the ^{2}H(p,n)2p reaction at 135 MeV", Phys. Rev. C**54** (1996) 1531–1537.

24. J. Zejma, M. Allet, K. Bodek, J. Lang, R. Mueller, S. Navert, O. Naviliat-Cuncic, J. Sromicki, E. Stephan, L. Jarczyk, St. Kistryn, J. Smyrski, A. Strzalkowski, W. Glöckle, J. Golak, D. Hüber, H. Witała, "Cross sections and analyzing powers A_y in the breakup reaction ^{2}H(p,pp)n at 65 MeV: star configurations", Phys. Rev. C**55** (1997) 42–56.

25. J. Golak, K. Miyagawa, H. Kamada, H. Witała, W. Glöckle, A. Parreno, A. Ramos, C. Bennhold, "Nonmesonic weak decay of the hypertriton", Phys. Rev. C**55** (1997) 2196–2213.

26. H. Kamada, M. P. Locher, T.-S. Lee, J. Golak, V. E. Markushin, W. Glöckle, H. Witała, "Pion absorption cross section of ^{2}H and ^{3}He in the Δ-isobar region", Phys. Rev. C**55** (1997) 2563–2570.

27. J. Kuroś, H. Witała, W. Glöckle, J. Golak, D. Hüber, H. Kamada, "Optical nucleon-deuteron potential", Phys. Rev. C**56** (1997) 654–669.

28. S. Ishikawa, J. Golak, H. Witała, H. Kamada, W. Glöckle, and D. Hüber, "Inclusive Scattering of Polarized Electrons on Polarized ^{3}He: Effects of final state interaction and the magnetic form factor of the neutron", Phys. Rev. C**57** (1998) 39–49.

29. H. Kamada, J. Golak, K. Miyagawa, H. Witała, W. Glöckle, "π-mesonic decay of the hypertriton", Phys. Rev. C**57** (1998) 1595–1603.

30. H. Rohdjess, W. Scobel, H. O. Meyer, P. V. Pancella, S. F. Pate, M. A. Pickar, R. E. Pollock, B. v.Przewoski, T. Rinckel, F. Sperisen, H. Witała, J. Golak, D. Hüber, H. Kamada, W. Glöckle, "Elastic pd scattering with 200-300 MeV protons", Phys. Rev. C**57** (1998) 2111–2117.

31. H. Anklin, L. J. de Bever, S. Buttazzoni, A. Honegger, J. Jourdan, G. Kubon, T. Petitjean, L. M. Qin, I. Sick, Ph. Steiner, M. Zeier, J. Zhao, B. Zihlmann, J. Golak, H. Witała, W. Glöckle, H. Kamada, "Tensor analyzing power A_{yy} of $\vec{d}$–p radiative capture", Nucl. Phys. **A636** (1998) 189–206.

32. H. Witała, W. Glöckle, D. Hüber, J. Golak, and H. Kamada, "Cross section minima in elastic Nd scattering: possible evidence for three nucleon force effects", Phys. Rev. Lett. **81** (1998) 1183–1186.

33. C. M. Spaltro, Th. S. Bauer, H. P. Blok, T. Botto, E. Cisbani, R. De Leo, G. E. Dodge, R. Ent, S. Frullani, F. Garibaldi, W. Glöckle, J. Golak, M. N. Harakeh, M. Iodice, E. Jans, H. Kamada, W. J. Kasdorp, C. Kormanyos, L. Lapikás, A. Misiejuk, S. I. Nagorny, G. J. Nooren, C. J. G. Onderwater, R. Perrino, M. J. M van Sambeek, R. Starink, G. van der Steenhoven, J. Tjon, M. A. van Uden, G. M. Urciuoli, H. de Vries, H. Witała, and D. M. Yeomans, "The q and p_m Dependence of the ^{3}He(e,e'd)p Reaction", Phys. Rev. Lett. **81** (1998) 2870–2873.

34. 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.Witała, "Inadequacies in the Faddeev description of the n+d total cross section above 100 MeV", Phys. Rev. Lett. **81** (1998) 57.

35. A. Kievsky, S. Rosati, M. Viviani, D.Hüber, W.Glöckle, H. Kamada, H.Witała, J.Golak, "Benchmark calculations for polarization observables in 3N scattering", Phys. Rev. C**58**, 3085 (1998).

36. H.Witała, W.Glöckle, J. Golak, D. Hüber, H. Kamada, A. Nogga, "Scaling properties of the longitudinal and transversal asymmetries of the $\vec{n}\vec{d}$ total cross section", Phys. Lett. **B447** (1999) 216.

37. R. Skibiński, J. Golak, H. Witała, W. Glöckle, "Final state interaction effects in μ-capture induced two-body decay of ^{3}He", Phys. Rev. C**59** (1999) 2384.

38. M. Przyborowski, M. Eggert, R. Engels, M. Menzel, L. Sydow, H. Paetz gen. Schieck, H. Witała, J. Golak, J. Kuroś, W. Glöckle, np final-state interaction in the reaction $^2H(\vec{p},pp)n$ at $E_{\vec{p}}$= 19 MeV", Phys. Rev. C**60**, 064004 (1999).

39. J. Golak, H. Witała, K. Miyagawa, H. Kamada, W. Glöckle, "Impossibility to Measure the Total Neutron- and Proton Induced Nonmesonic Decays for $^3_\Lambda$H", Phys. Rev. Lett. **83** (1999) 3142–3145

40. D.L. Groep, M.F. van Batenburg, Th.S. Bauer, H.P. Blok, D.J. Boersma, E. Cisbani, R. De Leo, S. Frullani, F. Garibaldi, W. Gloeckle, J. Golak, P. Heimberg, W.H.A. Hesselink, M. Iodice, D.G. Ireland, E. Jans, H. Kamada, L. Lapikas, G.J. Lolos, R. Perrino, A. Scott, R. Starink, M.F.M. Steenbakkers, G.M. Urciuoli, H. de Vries, L.B. Weinstein, H. Witała, Investigation of the Exclusive ^{3}He(e,e'pp) Reaction, Phys. Rev. Lett. **83** (1999) 5443–5446

41. M. Zeier, H. Anklin, S. Buttazzoni, W. Glöckle, J. Golak, A. Honegger, J. Jourdan, H. Mühry, T. Petitjean, I. Sick, H. Witała and B. Zihlmann, Polarization transfer in $^2H(\vec{p},\vec{n})pp$ Nucl. Phys. **A654**, 541–557 (1999).

42. V.V.Kotlyar, H. Kamada, W. Glöckle, J. Golak, "Partial Wave Decomposition for Meson Exchange Currents in Few-Nucleon Systems", Few Body Syst. **28**, 35–63 (2000).

43. J. Golak and H. Witała, "Sensitivity of the Low-Energy $p-d$ Capture Observables to the ^3P_j Nucleon–Nucleon Force Components", Few Body Syst. **28**, 231–240 (2000).

44. J. Golak, H. Kamada, H. Witała, W. Glöckle, J. Kuroś-Żołnierczuk, R. Skibiński, V. V. Kotlyar, K. Sagara, and H. Akiyoshi, "Faddeev calculations of proton-deuteron radiative capture with exchange currents", Phys. Rev. C**62**, 054005 (2000).

45. R. Bieber, W. Glöckle, J. Golak, M. N. Harakeh, D. Hüber, H. Huisman, N. Kalantar-Nayestanaki, H. Kamada, J. G. Messchendorp, A. Nogga, H. Sakai, N. Sakamoto, M. Seip, M. Volkerts, S. Y. van der Werf, and H. Witała, "Three-Nucleon Force and the A_y Puzzle in Intermediate Energy $\vec{p}+d$ and $\vec{d}+p$ Elastic Scattering", Phys. Rev. Lett. **84**, 606 (2000).

46. W. Xu, D. Dutta, F. Xiong, B. Anderson, L. Auberbach, T. Averett, W. Bertozzi, T. Black, J. Calarco, L. Cardman, G. D. Cates, Z. W. Chai, J. P. Chen, S. Choi, E. Chudakov, S. Churchwell, G. S. Corrado, C. Crawford, D. Dale, A. Deur, P. Djawotho, B. W. Filippone, J. M. Finn, H. Gao, R. Gilman, A. V. Glamazdin, C. Glashausser, W. Glöckle, J. Golak, J. Gomez, V. G. Gorbenko, J.-O. Hansen, F. W. Hersman, D. W. Higinbotham, R. Holmes, C. R. Howell, E. Hughes, B. Humensky, S. Incerti, C. W. de Jager, J. S. Jensen, X. Jiang, C. E. Jones, M. Jones, R. Kahl, H. Kamada, A. Kievsky, I. Kominis, W. Korsch, K. Kramer, G. Kumbartzki, M. Kuss, E. Lakuriqi, M. Liang, N. Liyanage, J. LeRose, S. Malov, D. J. Margaziotis, J. W. Martin, K. McCormick, R. D. McKeown, K. McIlhany, Z.-E. Meziani, R. Michaels, G. W. Miller, E. Pace, T. Pavlin, G. G. Petratos, R. I. Pomatsalyuk, D. Pripstein, D. Prout, R. D. Ransome, Y. Roblin, M. Rvachev, A. Saha, G. Salmè, M. Schnee, T. Shin, K. Slifer, P. A. Souder, S. Strauch, R. Suleiman, M. Sutter, B. Tipton, L. Todor, M. Viviani, B. Vlahovic, J. Watson, C. F. Williamson, H. Witała, B. Wojtsekhowski, J. Yeh, and P. Żołnierczuk, "Transverse Asymmetry $A_{T'}$ from the Quasielastic $\overrightarrow{^3\mathrm{He}}(\vec{e},e')$ Process and the Neutron Magnetic Form Factor", Phys. Rev. Lett. **85**, 2900 (2000).

47. D. L. Groep, M. F. van Batenburg, Th. S. Bauer, H. P. Blok, D. J. Boersma, E. Cisbani, R. De Leo, S. Frullani, F. Garibaldi, W. Glöckle, J. Golak, P. Heimberg, W. H. A. Hesselink, M. Iodice, D. G. Ireland, E. Jans, H. Kamada, L. Lapikas, G. J. Lolos, C. J. G. Onderwater, R. Perrino, A. Scott, R. Starink, M. F. M. Steenbakkers, G. M. Urciuoli, H. de Vries, L. B. Weinstein, and H. Witała, "Investigation of the exclusive $^3\mathrm{He}(e,epp)n$ reaction", Phys. Rev. C**63**, 014005 (2001).

48. H.Witała, W.Glöckle, J.Golak, A. Nogga, H.Kamada, R.Skibiński, and J. Kuroś-Żołnierczuk, "Nd elastic scattering as a tool to probe properties of 3N forces", Phys. Rev. C**63**, 024007 (2001).

49. J.Golak, G.Ziemer, H.Kamada, H.Witała, and W.Glöckle, "Extraction of electromagnetic neutron form factors through inclusive and exclusive polarized electron scattering on a polarized ^{3}He target", Phys. Rev. C**63**, 034006 (2001).

50. R. V. Cadman, J. Brack, W. J. Cummings, J. A. Fedchak, B. D. Fox, H. Gao, W. Glöckle, J. Golak, C. Grosshauser, R. J. Holt, C. E. Jones, H. Kamada, E. R. Kinney, M. A. Miller, W. Nagengast, A. Nogga, B. R. Owen, K. Rith, F. Schmidt, E. C. Schulte, J. Sowinski, F. Sperisen, E. L. Thorsland, R. Tobey, J. Wilbert, and H. Witała, "Evidence for a Three-Nucleon-Force Effect in Proton-Deuteron Elastic Scattering", Phys. Rev. Lett. **86**, 967 (2001).

51. K. Ermisch, A. M. van den Berg, R. Bieber, W. Glöckle, J. Golak, M. Hagemann, V. M. Hannen, M. N. Harakeh, M. A. de Huu, N. Kalantar-Nayestanaki, H. Kamada, M. Kiš, J. Kuroś-Żołnierczuk, M. Mahjour-Shafiei, A. Micherdzińska, A. Nogga, R. Skibiński, H.

Witała, and H. J. Wörtche, "Search for Three-Nucleon Force Effects in Analyzing Powers for $\vec{p}d$ Elastic Scattering", Phys. Rev. Lett. **86**, 5862 (2001).

52. F. Xiong, D. Dutta, W. Xu, B. Anderson, L. Auberbach, T. Averett, W. Bertozzi, T. Black, J. Calarco, L. Cardman, G. D. Cates, Z. W. Chai, J. P. Chen, S. Choi, E. Chudakov, S. Churchwell, G. S. Corrado, C. Crawford, D. Dale, A. Deur, P. Djawotho, B. W. Filippone, J. M. Finn, H. Gao, R. Gilman, A. V. Glamazdin, C. Glashausser, W. Glöckle, J. Golak, J. Gomez, V. G. Gorbenko, J.-O. Hansen, F. W. Hersman, D. W. Higinbotham, R. Holmes, C. R. Howell, E. Hughes, B. Humensky, S. Incerti, C. W. de Jager, J. S. Jensen, X. Jiang, C. E. Jones, M. Jones, R. Kahl, H. Kamada, A. Kievsky, I. Kominis, W. Korsch, K. Kramer, G. Kumbartzki, M. Kuss, E. Lakuriqi, M. Liang, N. Liyanage, J. LeRose, S. Malov, D. J. Margaziotis, J. W. Martin, K. McCormick, R. D. McKeown, K. McIlhany, Z.-E. Meziani, R. Michaels, G. W. Miller, E. Pace, T. Pavlin, G. G. Petratos, R. I. Pomatsalyuk, D. Pripstein, D. Prout, R. D. Ransome, Y. Roblin, M. Rvachev, A. Saha, G. Salmè, M. Schnee, T. Shin, K. Slifer, P. A. Souder, S. Strauch, R. Suleiman, M. Sutter, B. Tipton, L. Todor, M. Viviani, B. Vlahovic, J. Watson, C. F. Williamson, H. Witała, B. Wojtsekhowski, J. Yeh, and P. Żołnierczuk, "Precision Measurement of the Spin-Dependent Asymmetry in the Threshold Region of $^3\overrightarrow{\mathrm{He}}(\vec{e},e')$", Phys. Rev. Lett. **87**, 242501 (2001).

53. W. Glöckle, H. Kamada, J. Golak, A. Nogga, H. Witała, R. Skibiński, and J. Kuroś-Żołnierczuk, "Few-nucleon calculations and correlations", Acta Phys. Polon. **B32**, 3053 (2001).

54. C.M. Spaltro, Th.S. Bauer, H.P. Blok, T. Botto, E. Cisbani, R. De Leo, G.E. Dodge, R. Ent, S. Frullani, F. Garibaldi, W. Glöckle, J. Golak, M.N. Harakeh, M. Iodice, E. Jans, H. Kamada, W.J. Kasdorp, C. Kormanyos, L. Lapikas, A. Misiejuk, S.I. Nagorny, G.J. Nooren, C.J.G. Onderwater, R. Perrino, M. van Sambeek, R. Skibiński, R. Starink, G. van der Steenhoven, J. Tjon, M.A. van Uden, G.M. Urciuoli, H. de Vries, H. Witała and M. Yeomans, "The ^{3}He$(e,e'd)p$ reaction in (q,ω)-constant kinematics", Nucl. Phys. **A706**, 403–417 (2002).

55. J. Golak, R. Skibiński, W. Glöckle, H. Kamada, A. Nogga, H. Witała, V.D. Efros, W. Leidemann, G. Orlandini and E.L. Tomusiak, "Benchmark calculation of the three-nucleon photodisintegration", Nucl. Phys. **A707**, 365–378 (2002).

56. K. Sekiguchi, H. Sakai, H. Witała, W. Glöckle, J. Golak, M. Hatano, H. Kamada, H. Kato, Y. Maeda, J. Nishikawa, A. Nogga, T. Ohnishi, H. Okamura, N. Sakamoto, S. Sakoda, Y. Satou, K. Suda, A. Tamii, T. Uesaka, T. Wakasa, and K. Yako, "Complete set of precise deuteron analyzing powers at intermediate energies: Comparison with modern nuclear force predictions", Phys. Rev. C**65**, 034003 (2002).

57. J.Golak, W.Glöckle, H.Kamada, H.Witała, R.Skibiński, A. Nogga, "Sensitivity Studies for Extraction of G_E^n from Inclusive and Semi-inclusive Electron Scattering on Polarized ^{3}He", Phys. Rev. C**65**, 044002 (2002).

58. J.Golak, W.Glöckle, H.Kamada, H.Witała, R.Skibiński, A. Nogga, "Spin dependent momentum distributions of proton-deuteron clusters in ^{3}He from electron scattering on polarized ^{3}He: theoretical predictions", Phys. Rev. C**65**, 064004 (2002).

59. J. Kuroś-Żołnierczuk, H. Witała, J. Golak, H. Kamada, A. Nogga, R. Skibiński, W. Glöckle, "Three-nucleon force effects in nucleon induced deuteron breakup. I. Predictions of current models", Phys. Rev. C**66**, 024003 (2002).

60. J. Kuroś-Żołnierczuk, H. Witała, J. Golak, H. Kamada, A. Nogga, R. Skibiński, W. Glöckle, "Three-nucleon force effects in nucleon induced deuteron breakup. II.Comparison to Data", Phys. Rev. C**66**, 024004 (2002).

61. J.Golak, W.Glöckle, H.Kamada, H.Witała, R.Skibiński, A. Nogga, "Theoretical predictions for extraction of G_E^n from semi-inclusive electron scattering on polarized ^{3}He based on various nucleon-nucleon interaction", Phys. Rev. C**66**, 024008 (2002).

62. K. Hatanaka, Y. Shimizu, D. Hirooka, J. Kamiya, Y. Kitamura, Y. Maeda, T. Noro, E. Obayashi, K. Sagara, T. Saito, H. Sakai, Y. Sakemi, K. Sekiguchi, A. Tamii, T. Wakasa, T. Yagita, K. Yako, H. P. Yoshida, V. P. Ladygin, H. Kamada, W. Glöckle, J. Golak, A. Nogga, and H. Witała, "Cross section and complete set of proton spin observables in $\vec{p}d$ elastic scattering at 250 MeV ", Phys. Rev. C**66**, 044002 (2002).

63. H. Kamada, W. Glöckle, J. Golak, Ch. Elster, "Lorentz Boosted NN Potential for Few-Body Systems: Application to the three-nucleon bound state", Phys. Rev. C**66**, 044010 (2002).

64. W. Xu, B. Anderson, L. Auberbach, T. Averett, W. Bertozzi, T. Black, J. Calarco, L. Cardman, G. D. Cates, Z. W. Chai, J. P. Chen, S. Choi, E. Chudakov, S. Churchwell, G. S. Corrado, C. Crawford, D. Dale, A. Deur, P. Djawotho, T. W. Donnelly, D. Dutta, J. M. Finn, H. Gao, R. Gilman, A. V. Glamazdin, C. Glashausser, W. Glöckle, J. Golak, J. Gomez, V. G. Gorbenko, J.-O. Hansen, F. W. Hersman, D. W. Higinbotham, R. Holmes, C. R. Howell, E. Hughes, B. Humensky, S. Incerti, C. W. de Jager, J. S. Jensen, X. Jiang, C. E. Jones, M. Jones, R. Kahl, H. Kamada, A. Kievsky, I. Kominis, W. Korsch, K. Kramer, G. Kumbartzki, M. Kuss, E. Lakuriqi, M. Liang, N. Liyanage, J. LeRose, S. Malov, D. J. Margaziotis, J. W. Martin, K. McCormick, R. D. McKeown, K. McIlhany, Z.-E. Meziani, R. Michaels, G. W. Miller, J. Mitchell, S. Nanda, E. Pace, T. Pavlin, G. G. Petratos, R. I. Pomatsalyuk, D. Pripstein, D. Prout, R. D. Ransome, Y. Roblin, M. Rvachev, A. Saha, G. Salmè, M. Schnee, T. Shin, K. Slifer, P. A. Souder, S. Strauch, R. Suleiman, M. Sutter, B. Tipton, L. Todor, M. Viviani, B. Vlahovic, J. Watson, C. F. Williamson, H. Witała, B. Wojtsekhowski, F. Xiong, J. Yeh, and P. Żołnierczuk, "Plane-wave impulse approximation extraction of the neutron magnetic form factor from quasielastic $\overrightarrow{^3\mathrm{He}}(\vec{e},e')$ at $Q^2 = 0.3$ to 0.6 $(\mathrm{GeV/c})^2$", Phys. Rev. C**67**, 012201 (2003).

65. C. Carasco, J. Bermuth, P. Merle, P. Bartsch, D. Baumann, R. Böhm, D. Bosnar, M. Ding, M. O. Distler, J. Friedrich, J. M. Friedrich, J. Golak, W. Glöckle, M. Hauger, W. Heil, P. Jennewein, J. Jourdan, H. Kamada, A. Klein, M. Kohl, K. W. Krygier, H. Merkel, U. Mueller, R. Neuhausen, A. Nogga, Ch. Normand, E. Otten, Th. Pospischil, M. Potokar, D. Rohe, H. Schmieden, J. Schmiedeskamp, M. Seimetz, I. Sick, S. Sirca, R. Skibiński, G. Testa, Th. Walcher, G. Warren, M. Weis, H. Witała, H. Woehrle, M. Zeier, "Final State Interaction Effects in $\overrightarrow{^3\mathrm{He}}(\vec{e},e'p)$", Phys. Lett. B **559**, 41 (2003).

66. R. Skibiński, J. Golak, H. Kamada, H. Witała, W. Glöckle, A. Nogga, "Search for three-nucleon force effects in two-body photodisintegration of ^{3}He(^{3}H) and in the time reversed proton-deuteron radiative capture process", Phys. Rev. C**67**, 054001 (2003).

67. R. Skibiński, J. Golak, H. Witała, W. Glöckle, H. Kamada, A. Nogga, "Three-nucleon photodisintegration of ^{3}He", Phys. Rev. C**67**, 054002 (2003).

68. J. Bermuth, P. Merle, C. Carasco, D. Baumann, R. Böhm, D. Bosnar, M. Ding, M. O. Distler, J. Friedrich, J. M. Friedrich, J. Golak, W. Glöckle, M. Hauger, W. Heil, P. Jennewein, J. Jourdan, H. Kamada, A. Klein, M. Kohl, B. Krusche, K. W. Krygier, H. Merkel, U. Müller, R. Neuhausen, A. Nogga, Ch. Normand, E. Otten, Th. Pospischil, M. Potokar, D. Rohe, H. Schmieden, J. Schmiedeskamp, M. Seimetz, I. Sick, S. Sirca, R. Skibiński, G. Testa, Th. Walcher, G. Warren, M. Weis, H. Witałła, H. Wöhrle, M. Zeier, "The neutron charge form factor and target analyzing powers from $\overrightarrow{^3\mathrm{He}}(\vec{e}, e'n)$ scattering", Phys. Lett. **B564**, 199 (2003).

69. H. Witała, J. Golak, R. Skibiński, C. R. Howell, W. Tornow, "Effects of the magnetic moment interaction between nucleons on observables in the $3N$ continuum", Phys. Rev. C**67**, 064002 (2003).

70. R.S. Hicks, A. Hotta, S. Churchwell, X. Jiang, G.A. Peterson, J. Shaw, B. Asavapibhop, M. Berisso, P. Bosted, K. Burchesky, R. Miskimen, S. Rock, I. Nakagawa, T. Tamae, T. Suda, J. Golak, R. Skibiński, H. Witała, F. Casagrande, W. Turchinetz, A. Cichocki, K. Wang, W. Glöckle, H. Kamada, T. Kobavashi, A. Nogga, "Threshold electrodisintegration of ^{3}He", Phys. Rev. C**67**, 064004 (2003).

71. H. Witała, A. Nogga, H. Kamada, W. Glöckle, J. Golak, R. Skibiński, "Modern nuclear force predictions for the nd scattering lengths", Phys. Rev. C**68**, 034002 (2003).

72. K. Ermisch, H.R. Amir-Ahmadi, A.M. van den Berg, R. Castelijns, B. Davids, E. Epelbaum, E. van Garderen, W. Glöckle, J. Golak, M. Harakeh, M. Hunyadi, M.A. de Huu, N. Kalantar-Nayestanaki, H. Kamada, M. Kiš, M. Mahjour-Shafiei, A. Nogga, R. Skibiński, H. Witała, H.J. Wörtche, "Systematic investigation of the elastic proton-deuteron differential cross section at intermediate energies", Phys. Rev. C**68**, 051001(R) (2003).

73. St. Kistryn, A. Micherdzińska, R. Bieber, A. Biegun, K. Bodek, K. Ermisch, W. Glöckle, J. Golak, N. Kalantar-Nayestanaki, H. Kamada, M. Kiš, A. Kozela, J. Kuroś-Żołnierczuk, A. Nogga, M. Mahjour-Shafiei, R. Skibiński, E. Stephan, H. Witała, J. Zejma, W. Zipper, "Evidence of three-nucleon force effects from 130 MeV deuteron-proton breakup cross sections measurement", Phys. Rev. C**68**, 054004 (2003).

74. W. Glöckle, J. Golak, R. Skibiński, H. Witała, H. Kamada, A. Nogga, "Electron scattering on ^{3}He: A playground to test nuclear dynamics", Eur. Phys. J. **A21**, 335 (2004).

75. J. Kuroś-Żołnierczuk, P. Thörngren Engblom, H. O. Meyer, T. Whitaker, H. Witała, J. Golak, H. Kamada, A. Nogga, R. Skibiński, "Faddeev calculations of breakup reactions with realistic experimental constraints", Few Body Syst. **34**, 259–273 (2004).

76. K. Sekiguchi, H. Sakai, H. Witała, K. Ermisch, W. Glöckle, J. Golak, M. Hatano, H. Kamada, N. Kalantar-Nayestenaki, H. Kato, Y. Maeda, J. Nishikawa, A. Nogga, T. Ohnishi, H. Okamura, T. Saito, N. Sakamoto, S. Sakoda, Y. Satou, K. Suda, A. Tamii, T. Uchigashima, T. Uesaka, T. Wakasa, and K. Yako, "Polarization transfer measurement for ^{1}H($\vec{d},\vec{p}$)^{2}H elastic scattering at 135 MeV/nucleon and three-nucleon force effects", Phys. Rev. C**70**, 014001 (2004).

77. A. Kozlov, A. J. Sarty, K. A. Aniol, P. Bartsch, D. Baumann, W. Bertozzi, K. Bohinc, R. Böhm, J. P. Chen, D. Dale, L. Dennis, S. Derber, M. Ding, M. O. Distler, P. Dragovitsch, I. Ewald, K. G. Fissum, J. Friedrich, J. M. Friedrich, R. Geiges, S. Gilad, P. Jennewein, M. Kahrau, M. Kohl, K. W. Krygier, A. Liesenfeld, D. J. Margaziotis, H. Merkel, P. Merle, U. Müller, R. Neuhausen, T. Pospischil, M. Potokar, G. Riccardi, R. Roché, G. Rosner,D. Rowntree, H. Schmieden, S. Širca, J. A. Templon, M. N. Thompson, A. Wagner, Th. Walcher, M. Weis, J. Zhao, Z.-L. Zhou, J. Golak, W. Glöckle, and H. Witała (A1 Collaboration), "Measurement of the Exclusive ^{3}He(e,e'p) Reaction Below the Quasielastic Peak", Phys. Rev. Lett. **93**, 132301 (2004).

78. J. Golak, H. Witała, R. Skibiński, W. Glöckle, A. Nogga, H. Kamada, "Usefulness of the spectral function concept", Phys. Rev. C**70**, 034005 (2004).

Prace opublikowane po habilitacji

79. R. Skibiński, J. Golak, H. Witała, W. Glöckle, A. Nogga, "Different formulations of ^{3}He and ^{3}H photodisintegration", Eur. Phys. J. **A24**, 31 (2005).

80. A.A. Mehmandoost-Khajeh-Dad, H.R. Amir-Ahmadi, J.C.S. Bacelar, A.M. van den Berg, R. Castelijns, A. Deltuva, E.D. van Garderen, W. Glöckle, J. Golak, N. Kalantar-Nayestanaki, H. Kamada, M. Kis, R. Koohi-Fayegh-Dehkordi, H. Löhner, M. Mahjour-Shafiei, H. Mardanpur, J.G. Messchendorp, A. Nogga, P. Sauer, S.V. Shende, R. Skibinski, H. Witała, H.J. Wörtche, "Spin observables in deuteron-proton radiative capture at intermediate energies", Phys. Lett. **B617**, 18 (2005).

81. K. Ermisch, H.R. Amir-Ahmadi, A.M. van den Berg, R. Castelijns, B. Davids, A. Deltuva, E. Epelbaum, W. Glöckle, J. Golak, M.N. Harakeh, M. Hunyadi, M.A. de Huu, N. Kalantar-Nayestanaki, H. Kamada, M. Kis, M. Mahjour-Shafiei, A. Nogga, P.U. Sauer, R. Skibiński, H. Witała, H. J. Wörtche, "Systematic investigation of three-nucleon force effects in elastic scattering of polarized protons from deuterons at intermediate energies", Phys. Rev. C**71**, 064004 (2005).

82. J. Golak, R. Skibiński, H. Witała, W. Glöckle, A. Nogga, H. Kamada, "Electron and Photon Scattering on Three-Nucleon Bound States", Phys. Rept. **415**, 89 (2005).

83. P. Achenbach, D. Baumann, R. Böhm, B. Boillat, D. Bosnar, C. Carasco, M. Ding, M. O. Distler, J. Friedrich, W. Glöckle, J. Golak, Y. Goussev, P. Grabmayr, W. Heil, A. Hügli, P. Jennewein, G. Jover Manas, J. Jourdan, H. Kamada, T. Klechneva, B. Krusche, K. W. Krygier, J. G. Llongo, M. Lloyd, M. Makek, H. Merkel, C. Micheli, U. Müller, A. Nogga, R. Neuhausen, Ch. Normand, L. Nungesser, A. Ott, E. Otten, F. Parpan, R. Perez Benito,

M. Potokar, D. Rohe, D. Rudersdorf, J. Schmiedeskamp, M. Seimetz, I. Sick, S. Sirca, R. Skibiński, S. Stave, G. Testa, R. Trojer, Th. Walcher, M. Weis, H. Witała, H. Wöhrle, "Measurement of the asymmetries in ^{3}He(e,e'p)d and ^{3}He(e,e'p)np", Eur. Phys. J. **A25**, 177 (2005).

84. H. Witała, J. Golak, W. Glöckle, H. Kamada, "Relativistic effects in neutron-deuteron elastic scattering", Phys. Rev. C**71**, 054001 (2005).

85. C. Düweke, R. Emmerich, A. Imig, J. Ley, G. Tenckhoff, H. Paetz gen. Schieck, J. Golak, H. Witała, E. Epelbaum, W. Glöckle, A. Nogga, "The reaction ^{2}H(p,pp)n in three kinematical configurations at $E_p = 16$ MeV", Phys. Rev. C**71**, 054003 (2005).

86. K. Sekiguchi, H. Sakai, H.Witała, W.Glöckle, J. Golak, K. Hatanaka, M. Hatano, K. Itoh, H. Kamada, H. Kuboki, Y. Maeda, A. Nogga, H. Okamura, T. Saito, N. Sakamoto, Y. Sakemi, M. Sasano, Y. Shimizu, K. Suda, A. Tamii, T. Uesaka, T. Wakasa, and K. Yako, "Resolving the discrepancy of 135 MeV pd elastic scattering cross sections and relativistic effects", Phys. Rev. Lett. **95**, 162301 (2005).

87. R. Skibiński, J. Golak, H. Witała, W. Glöckle, A. Nogga, H. Kamada, "Polarization observables in the semiexclusive photoinduced three-body breakup of ^{3}He", Phys. Rev. C**72**, 044002 (2005).

88. St. Kistryn, E. Stephan, A. Biegun, K. Bodek, A. Deltuva, E. Epelbaum, K. Ermisch, W. Glöckle, J. Golak, N. Kalantar-Nayestanaki, H. Kamada, M. Kis, B. Klos, A. Kozela, J. Kuroś-Żołnierczuk, M. Mahjour-Shafiei, U.-G. Meißner, A. Micherdzińska, A. Nogga, P. U. Sauer, R. Skibiński, R. Sworst, H. Witała, J. Zejma, W. Zipper, "Systematic study of three-nucleon force effects in the cross section of the deuteron-proton breakup at 130 MeV", Phys. Rev. C**72**, 044006 (2005).

89. J. Golak, R. Skibiński, H. Witała, W. Glöckle, A. Nogga, H. Kamada, "Proton polarizations in polarized ^{3}He studied with the $^3\vec{\mathrm{H}}\mathrm{e}(\vec{e}, e'p)d$ and $^3\vec{\mathrm{H}}\mathrm{e}(\vec{e}, e'p)pn$ processes", Phys. Rev. C**72**, 054005 (2005).

90. S. Naito, Y. Nagai, T. Shima, H. Makii, K. Mishima, K. Tamura, H. Toyokawa, H. Ohgaki, J. Golak, R. Skibiński, H. Witała, W. Glöckle, A. Nogga, and H. Kamada, "New data for total $^3\mathrm{He}(\gamma, p)D$ and $^3\mathrm{He}(\gamma, pp)n$ cross sections compared to current theory", Phys. Rev. C**73**, 034003 (2006).

91. H.Witała, J. Golak, R.Skibiński, "Selectivity of the nucleon induced deuteron breakup and relativistic effects", Phys. Lett. **B634**, 374 (2006).

92. A. Biegun, E. Stephan, St. Kistryn, K. Bodek, I. Ciepał, A. Deltuva, E. Epelbaum, W. Glöckle, J. Golak, N. Kalantar-Nayestanaki, H. Kamada, M. Kiš, B. Kłos, A. Kozela, J. Kuroś-Żołnierczuk, M. Mahjour-Shafiei, U.-G. Meißner, A. Micherdzińska, A. Nogga, P.U. Sauer, R. Skibiński, R. Sworst, H. Witała, J. Zejma, W. Zipper, "Three-nucleon force effects in the analyzing powers of the $\vec{d}p$ breakup at 130 MeV", Acta Phys. Polon. **B37**, 213 (2006).

93. H. Witała, J. Golak, R. Skibiński, W. Glöckle, A. Nogga, E. Epelbaum, H. Kamada, A. Kievsky, and M. Viviani, "Testing nuclear forces by polarization transfer coefficients in $d(\vec{p},\vec{p})d$ reactions at E_p^{lab}= 22.7 MeV", Phys. Rev. C**73**, 044004 (2006).

94. H. Witała, R. Skibiński, J. Golak, W. Glöckle, A. Nogga, H. Kamada, "The elastic pd scattering analyzing powers and spin correlation coefficients at $E_p^{lab} = 135$ and 200 MeV: Three-nucleon force and relativistic effects", Eur. Phys. J. **A29**, 141 (2006).

95. Y. Nagai, T. Kobayashi, T. Shima, T. Kikuchi, K. Takaoka, M. Igashira, J. Golak, R. Skibiński, H. Witała, A. Nogga, W. Glöckle, H. Kamada, "Measurement of the ^{2}H(n,γ)^{3}H reaction cross section between 10 and 550 keV", Phys. Rev. C**74**, 025804 (2006).

96. D. Rozpędzik, J. Golak, R. Skibiński, H. Witała, W. Glöckle, E. Epelbaum, A.Nogga, H.Kamada, "A first estimation of chiral four-nucleon force effects in ^{4}He", Acta Phys. Polon. **37**, 2889 (2006).

97. R. Skibiński, J. Golak, H. Witała, W. Glöckle, A. Nogga, E. Epelbaum, "Nucleon-deuteron capture with chiral potentials", Acta Phys. Polon. **37**, 2905 (2006).

98. R. Skibiński, H. Witała, J. Golak, "Relativistic effects in exclusive neutron-deuteron breakup", Eur. Phys. J. **A30**, 369 (2006).

99. J. Ley, C. Düweke, R. Emmerich, A. Imig, H. Paetz gen. Schieck, J. Golak, H. Witała, E. Epelbaum, A. Deltuva, A. C. Fonseca, W. Glöckle, U.-G. Meißner, A. Nogga, and P. U. Sauer, "Cross sections and tensor analyzing powers A_{yy} of the reaction ^{1}H($\vec{d}$,pp)n in "symmetric constant relative energy" geometries at E_d=19 MeV", Phys. Rev. C 73, 064001 (2006)

100. J. Golak, R. Skibiński, H. Witała, W. Glöckle, A. Nogga, H. Kamada, "Lorentz boosted nucleon-nucleon potential applied to the $^3\vec{\text{H}}\text{e}(\vec{e},e'p)pn$ and $^3\vec{\text{H}}\text{e}(\vec{e},e'n)pp$ processes", Acta Phys. Polon. **38** (2007) 2143.

101. B.Anderson, L.Auerbach, T.Averett, W.Bertozzi, T.Black, J.Calarco, L.Cardman, G.D. Cates, Z.W.Chai, J.P.Chen, Seomho Choi, E.Chudakov, S.Churchwell, G.S.Colorado, C. Crawford, D.Dale, A.Deur, P.Djawotho, D.Dutta, J.M.Finn, H.Gao, R.Gilamn, A.V. Glamazdin, C. Glashausser, W. Glöckle, J.Golak, J.Gomez, V.G.Gorbenko, J.-O.Hansen, F.W.Hersman, D.W.Higinbotham, R.Holems, C.R.Howell, E.Hughes, B. Humensky, S. Incerti, C.W. de Jager, J.S.Jensen, X.Jiang, C.E.Jones, M. Jones, R. Kahl, H. Kamada, A. Kievsky, I.Kominis, W. Korsch, K. Kramer, G.Kumbartzki, M. Kuss, E. Lakuriqi, M. Liang, N. Liyanage, J. LeRose, S. Malov, D.J. Margaziotis, J.W. Martin, K. McCormick, R.D.McKeown, K.McIlhany, Z.-E.Meziani, R.Michaels, G.W.Miller, J.Mitchell, S. Nanda, E. Pace, T. Pavlin, G.G. Petratos, R.I. Pomatsalyuk, D. Pripstein, D. Prout, R.D. Ransome, Y. Roblin, M. Rvachev, A. Saha, G. Salme, M. Schnee, J. Seely, T. Shin, K. Slifer, P.A. Souder, S. Strauch, R. Suleiman, M. Sutter, B. Tipton, L. Todor, M. Viviani, B. Vlahovic, J. Watson, C.F. Williamson, H. Witała, B. Wojtsekhowski, F. Xiong, W.Xu, J. Yeh, and P.Żołnierczuk, "Extraction of the neutron magnetic form factor from quasielastic $^3\overrightarrow{\text{He}}(\overrightarrow{e},e')$ at $Q^2 = 0.1 - 0.6$ $(GeV/c)^2$", Phys. Rev. **C 75**, 034003 (2007).

102. J. Maeda, T. Kawabata, K. Suda, H. Sakai, K. Fujita, K. Hatanaka, H. Okamura, Y. Sakemi, Y. Shimizu, Y. Tameshige, A. Tamii, M.B. Greenfield, M. Hatano, H. Kuboki, T. Saito, M. Sasano, K. Yako, Y. Kamiya, J. Rapaport, K. Sekiguchi, T. Wakasa, J. Blomgren, P. Mermod, A. Öhrn, M. Österlund, H. Witała, J. Golak, R. Skibiński, A. Deltuva, A.C. Fonseca, P.U. Sauer, W. Glöckle, H. Kamada, A. Nogga, "Differential cross section and analyzing power measurements for $\overrightarrow{\pi} d$ elastic scattering at 248 MeV", Phys. Rev. C**76**, 014004 (2007).

103. E. Stephan, St. Kistryn, R. Sworst, A. Biegun, K. Bodek, I. Ciepał, A. Deltuva, E. Epelbaum, A. Fonseca, W. Glöckle, J. Golak, N. Kalantar-Nayestanaki, H. Kamada, M. Kis, A. Kozela, M. Mahjour-Shafiei, A. Micherdzińska, A. Nogga, P.U. Sauer, R. Skibiński, H. Witała, J. Zejma, and W. Zipper, "Vector and tensor analyzing powers of elastic deuteron-proton scattering at 130 MeV deuteron beam energy", Phys. Rev. C**76**, 057001 (2007).

104. H. Witała, J. Golak, R. Skibiński, W. Glöckle, W. N. Polyzou, and H. Kamada, "Relativity and the low-energy nd A_y puzzle", Phys. Rev. C**77**, 034004 (2008).

105. R. Sworst, St. Kistryn, E. Stephan, A. Biegun, K. Bodek, I. Ciepał, E. Epelbaum, W. Glöckle, J. Golak, N. Kalantar-Nayastenaki, H. Kamada, B. Kłos, A. Kozela, A. Nogga, R. Skibiński, H. Witała, J. Zejma, W. Zipper, "Influence of Three-Nucleon Force Effects on Polarization Observables of the $^1H(\vec{d}, pp)n$ Breakup Reaction at 130 MeV", Acta Phys. Polon. **B39** (2008) 401.

106. K. Sleifer, M. Amarian, L. Auerbach, T. Averett, J. Berthot, P. Bertin, B. Bertozzi, T. Black, E. Brash, D. Brown, E. Burtin, J. Calarco, G. Cates, Z. Chai, J.-P. Chen, Seonho Choi, E. Chudakov, C. Ciofi degli Atti, E. Cisbani, C. W. de Jager, A. Deur, R. DiSalvo, S. Dieterich, P. Djawotho, M. Finn, K. Fissum, H. Fonvieille, S. Frullani, H. Gao, J. Gao, F. Garibaldi, A. Gasparian, S. Gilad, R. Gilman, A. Glamazdin, C. Glashausser, W. Glöckle, J. Golak, E. Goldberg, J. Gomez, V. Gorbenko, J.-O. Hansen, B. Hersman, R. Holmes, G. M. Huber, E. Hughes, B. Humensky, S. Incerti, M. Iodice, S. Jensen, X. Jiang, C. Jones, G. Jones, M. Jones, C. Jutier, H. Kamada, A. Ketikyan, I. Kominis, W. Korsch, K. Kramer, K. Kumar, G. Kumbartzki, M. Kuss, E. Lakuriqi, G. Laveissiere, J. J. Lerose, M. Liang, N. Liyanage, G. Lolos, S. Malov, J. Marroncle, K. McCormick, R. D. McKeown, Z.-E. Meziani, R. Michaels, J. Mitchell, A. Nogga, E. Pace, Z. Papandreou, T. Pavlin, G. G. Petratos, D. Pripstein, D. Prout, R. Ransome, Y. Roblin, D. Rowntree, M. Rvachev, F. Sabatié, A. Saha, G. Salme, S. Scopetta, R. Skibiński, P. Souder, T. Saito, S. Strauch, R. Suleiman, K. Takahashi, S. Teijiro, L. Todor, H. Tsubota, H. Ueno, G. Urciuoli, R. Van der Meer, P. Vernin, H. Voskanian, H. Witała, B. Wojtsekhowski, F. Xiong, W. Xu, J.-C. Yang, B. Zhang, and P. Żołnierczuk, (Jefferson Lab E94010 Collaboration), "^{3}He Spin-Dependent Cross Sections and Sum Rules", Phys. Rev. Lett. **101**, 022303 (2008).

107. K. Sekiguchi, H. Sakai, H. Witała, W. Glöckle, J. Golak, K. Itoh, H. Kamada, T. Kawabata, H. Kuboki, Y. Maeda, A. Nogga, H. Okamura, S. Sakaguchi, N. Sakamoto, Y. Sasamoto, M. Sasano, R. Skibiński, K. Suda, Y. Takahashi, T. Uesaka, T. Wakasa, K. Yako, "Three nucleon force effects in the $^1H(\vec{d}, \vec{p}p)n$ reaction at 135 MeV/nucleon", Phys. Rev. **C79** (2009) 054008.

108. D.G. Middleton, J.R.M. Annand, M. Ases Antelo, C. Ayerbe, P. Barneo, D. Baumann, J. Bermuth, J. Bernauer, H.P. Blok, R. Böhm, D. Bosnar, M. Ding, M.O. Distler, J.

Friedrich, J. Garcia Llongo, D.I. Glazier, J. Golak, W. Glöckle, P. Grabmayr, T. Hehl, J. Heim, W.H.A.Hesselink, E. Jans, H. Kamada, G. Jover Manas, M.Kohl, L. Lapikas, I.J.D. MacGregor, I.Martin, J.C. McGeorge, H. Merkel, P. Merle, K. Monstad, F. Moschini, U. Müller, A. Nogga, R. Perez-Benito, Th. Pospischil, M. Potokar, G. Rosner, M. Seimetz, R. Skibiński, H.de Vries, Th. Walcher, D.P.Watts, M. Weinriefer, M. Weiss, H.Witała,B.Zihlmann, "Investigation of the Exclusive ^{3}He(e,e'pn)^{1}H Reaction", Phys. Rev. Lett. **103** (2009) 152501.

109. E. Stephan, St. Kistryn, A. Biegun, K. Bodek, I. Ciepał, A. Deltuva, E. Epelbaum, A.C. Fonseca, J. Golak, N. Kalantar-Nayestanaki, H. Kamada, M. Kis, B. Kłos, A. Kozela, M. Mahjour-Shafiei, A. Micherdzińska, A. Nogga, R. Skibiński, R. Sworst, H. Witała, J. Zejma, W. Zipper, "Precise set of tensor analyzing power T_{20} data for the deuteron-proton breakup at 130 MeV", Eur. Phys. J. **A42** (2009) 13.

110. W. Glöckle, J.Golak, R. Skibiński, H. Witała, "Exact three-dimensional wave function and the on-shell t-matrix for the sharply cut-off Coulomb potential: failure of the standard renormalisation factor", Phys. Rev. **C79** (2009) 044003.

111. R. Skibiński, J. Golak, H. Witała, W. Glöckle, "Proton-proton scattering without Coulomb force renormalization", Eur. Phys. J. **A40** (2009) 215.

112. H. Witała, R. Skibiński, J. Golak, W. Glöckle, "A novel treatment of the proton-proton Coulomb force in proton-deuteron Faddeev calculations: Elastic scattering", Eur. Phys. J. **A41** (2009) 369.

113. H. Witała, R. Skibiński, J. Golak, W. Glöckle, "A novel treatment of the proton-proton Coulomb force in proton-deuteron Faddeev calculations: Breakup", Eur. Phys. J. **A41** (2009) 385.

114. W. Glöckle, J. Golak, R. Skibiński, H. Witała, "The exact three-dimensional half-shell t-matrix for a sharply cut-off Coulomb potential in the screening limit", Few Body Syst. **47** (2010) 3.

115. R.Skibiński, J. Golak, H.Witała, "Numerical investigations of the three-dimensional proton-proton screened Coulomb t-matrix", Acta Phys. Polon. **B41** (2010) 875.

116. W. Glöckle, Ch. Elster, J. Golak, R. Skibiński, H. Witała, H. Kamada, "A New Treatment of 2N and 3N Bound States in Three Dimensions", Few Body Syst. **47** (2010) 25.

117. W. Glöckle, I. Fachruddin, Ch. Elster, J. Golak, R. Skibiński, H. Witała, "3N Scattering in a Three-Dimensional Operator Formulation", Eur. Phys. J. **A43**, (2010) 339.

118. J. Golak, W. Glöckle, R. Skibiński, H. Witała, D. Rozpędzik, K. Topolnicki, I. Fachruddin, Ch. Elster, A. Nogga, "The Two-Nucleon System in Three Dimensions", Phys. Rev. C**81**, 034006 (2010).

119. J. Golak, D. Rozpędzik, R. Skibiński, K. Topolnicki, H. Witała, W. Glöckle, A. Nogga, E. Epelbaum, H. Kamada, Ch. Elster, I. Fachruddin, "A new way to perform partial wave decompositions of few-nucleon forces" Eur. Phys. J. **A43**, 241 (2010).

120. D. Rozpędzik, J. Golak, "Low energy electromagnetic processes based on the chiral effective field theory approach", Chinese Physics C**34**, 1 (2010).

121. E. Stephan, St. Kistryn, R. Sworst, A. Biegun, K. Bodek, I. Ciepał, A. Deltuva, E. Epelbaum, A.C. Fonseca, J. Golak, N. Kalantar-Nayestanaki, H. Kamada, M. Kis, B. Kłos, A. Kozela, M. Mahjour- Shafiei, A. Micherdzińska, A. Nogga, R. Skibiński, H. Witała, A. Wrońska, J. Zejma, W. Zipper, "Vector and tensor analyzing powers in deuteron-proton breakup at 130 MeV", Phys. Rev. C**82**, 014003 (2010).

122. H. Witała, R. Skibiński, J. Golak, W. Glöckle, "Momentum-space 3N Faddeev calculations of hadronic and electromagnetic reactions with proton-proton Coulomb and three-nucleon forces included", Eur. Phys. J. **A47**, 30 (2011).

123. R. Skibiński, J. Golak, K. Topolnicki, H. Witała, H. Kamada, W. Glöckle, A. Nogga, "The Tucson-Melbourne Three-Nucleon Force in the automatized Partial Wave Decomposition", Eur. Phys J. **A47**, 48 (2011).

124. H. Witała, J. Golak, R. Skibiński, W. Glökle, H. Kamada, W.N. Polyzou, "Three-nucleon force in relativistic three-nucleon Faddeev calculations", Phys. Rev. C**83**, 044001 (2011).

125. K. Sekiguchi, H. Okamura, N. Sakamoto, H. Suzuki, M. Dozono, Y. Maeda, S. Sakaguchi, H. Sakai, M. Sasano, Y. Shimizu, T. Wakasa, K. Yako, H. Witała, W. Glöckle, J. Golak, H. Kamada, and A. Nogga, "Three-nucleon force effects in intermediate energy deuteron analyzing powers for dp elastic scattering", Phys. Rev. C**83**, 061001R (2011).

126. D. Rozpędzik, J. Golak, S. Kölling, E. Epelbaum, R. Skibiński, H. Witała, H. Krebs, "Signatures of the chiral two-pion exchange electromagnetic currents in the ^{2}H and ^{3}He photodisintegration reactions", Phys. Rev. C**83**, 064004 (2011).

127. W. Tornow, H.J. Karwowski, J.H. Kelley, R. Raut, G. Rusev, S.C. Stave, A.P. Tonchev, A. Deltuva, A.C. Fonseca, L.E. Marcucci, M. Viviani, A. Kievsky, J. Golak, R. Skibiński, H. Witała, R. Schiavilla, "Two-body photodisintegration of ^{3}He between 7 and 16 MeV", Phys. Lett. **B702**, 121 (2011).

128. R. Skibiński, J. Golak, K. Topolnicki, H. Witała, E. Epelbaum, W. Glöckle, H. Krebs, A. Nogga, H. Kamada, "The triton with long-range chiral N3LO three nucleon forces", Phys. Rev. C**84**, 054005 (2011).

129. H. Witała, J. Golak, R. Skibiński, W. Glöckle, W.N. Polyzou, H. Kamada, "Relativistic effects in neutron-deuteron elastic scattering and breakup", Few-Body Syst. **49**, 61 (2011).

130. W.N. Polyzou, Ch. Elster, W. Glöckle, J. Golak, Y. Huang, H. Kamada, R. Skibiński, H. Witała, "Mini review of Poincaré invariant quantum theory", Few-Body Syst. **49**, 129 (2011).

131. I. Ciepał, St. Kistryn, E. Stephan, A. Biegun, K. Bodek, A. Deltuva, E. Epelbaum, M. Eslami-Kalantari, A. Fonseca, J. Golak, V. Jha, N. Kalantar-Nayestanaki, H. Kamada, G. Khatri1, Da. Kirillov, Di. Kirillov, M. Kis, St. Kliczewski, B. Kłos, A. Kozela, M. Kravcikova, M. Lesiak, H. Machner, A. Magiera, G. Martinska, J. Messchendorp, A. Nogga, W. Parol, A. Ramazani-Moghaddam-Arani, B. J. Roy, H. Sakai, K. Sekiguchi, I.

Sitnik, R. Siudak, R. Skibiński, R. Sworst, J. Urban, H. Witała, A. Wrońska, and J. Zejma, "Vector analyzing powers of deuteron-proton elastic scattering and breakup at 130 MeV", Phys. Rev. C**85**, 017001 (2012).

132. J. Golak, R. Skibiński, H. Witała, K. Topolnicki, W. Glöckle, A. Nogga and H. Kamada, "Different Methods for the Two-Nucleon T-Matrix in the Operator Form", Few-Body Syst. **53**, 237-252 (2012).

133. E. Stephan, St. Kistryn, A. Biegun, K. Bodek, ..., J. Zejma, "Vector analyzing powers of the deuteron-proton elastic scattering and breakup at 100 MeV", Eur. Phys. J. A 49, 36 (2013).

134. G. Laskaris, Q. Ye, B. Lalremruata, M. W. Ahmed, ..., W. Zheng, "First measurements of spin-dependent double-differential cross sections and the Gerasimov-Drell-Hearn integrand from $\overrightarrow{^3\mathrm{He}}(\vec{\gamma},\mathrm{n})\mathrm{pp}$ at incident photon energies of 12.8 and 14.7 MeV", Phys. Rev. Lett. **110**, 202501 (2013).

135. H. Witała, J. Golak, R. Skibiński, W. Glöckle, H. Kamada, W.N. Polyzou, "Erratum: Three-nucleon force in relativistic three-nucleon Faddeev calculations [Phys. Rev. **C 83**, 044001 (2011)]", Phys. Rev. C**88**, 069904 (2013).

136. J. Golak, "Laudatio for Professor Henryk Witala", Few-Body Syst. **54**, 2155-2157 (2013).

137. J. Golak, K. Topolnicki, R. Skibiński, W. Glöckle, ..., A. Nogga, "A Three-Dimensional Treatment of the Three-Nucleon Bound State", Few-Body Syst. **54**, 2427-2446 (2013).

138. K. Topolnicki, J. Golak, R. Skibiński, A.E. Elmeshneb, ..., H. Kamada, "Deuteron Disintegration in Three Dimensions", Few-Body Syst. **54**, 2233-2253 (2013).

139. H. Witala, H. Kamada, E. Epelbaum, W.N. Polyzou, J. Golak, "Obituary for Walter Glöckle", Few-Body Syst. **54**, 1663-1665 (2013).

140. G. Laskaris *et al.*, "Spin-dependent cross sections from the three-body photodisintegration of ^{3}He at incident energies of 12.8 and 14.7 MeV", Phys. Rev. C**89**, 024002 (2014).

141. K. Sekiguchi *et al.*, "Complete set of deuteron analyzing powers for dp elastic scattering at 250–294 MeV/nucleon and the three-nucleon force", Phys. Rev. C**89**, 064007 (2014).

142. H.Witała, J.Golak, R.Skibiński, K.Topolnicki, "Calculations of three-nucleon reactions with N3LO chiral forces: achievements and challenges", J. Phys. G: Nucl. Part. Phys. **41**, 094011 (2014).

143. J. Golak, R. Skibiński, H. Witała, K. Topolnicki, A. E. Elmeshneb, H. Kamada, A. Nogga, and L. E. Marcucci, "Break-up channels in muon capture on ^{3}He", Phys. Rev. C**90**, 024001 (2014).

144. J. Golak, R. Skibiński, K. Topolnicki, H. Witała, E. Epelbaum, H. Krebs, H. Kamada, Ulf-G.Meißner, V. Bernard, P. Maris, J. Vary, S. Binder, A. Calci, K. Hebeler, J. Langhammer, R. Roth, A. Nogga, S. Liebig, D. Minossi, "Low-energy neutron-deuteron reactions with N3LO chiral forces", Eur. Phys. J. A **50**, 177 (2014).

145. M. Mihovilovič *et al.*, "Measurement of Double-Polarization Asymmetries in the Quasielastic $\overrightarrow{^3\mathrm{He}}(\vec{e}, e'd)$ Process.", Phys. Rev. Lett. **113**, 232505 (2014).

146. R. Skibiński, J. Golak, D. Rozpędzik, K. Topolnicki, H.Witała, "The chiral long-range two-pion exchange electromagnetic currents in radiative nucleon-deuteron capture", Acta Phys. Polon. B **46**, 159 (2015).

147. K. Hebeler, H. Krebs, E. Epelbaum, J. Golak, R. Skibiński, "Efficient calculation of chiral three-nucleon forces up to N3LO for ab-initio studies", Phys. Rev. C**91**, 044001 (2015).

148. K. Topolnicki, J. Golak, R. Skibiński, H. Witała, C. A. Bertulani, "First-order neutron-deuteron scattering in a three-dimensional approach", Eur. Phys. J. A **51**, 132 (2015).

149. S. Binder, A. Calci, E. Epelbaum, R. J. Furnstahl, J. Golak, K. Hebeler, H. Kamada, H. Krebs, J. Langhammer, S. Liebig, P. Maris, Ulf-G. Meißner, D. Minossi, A. Nogga, H. Potter, R. Roth, R. Skibiński, K. Topolnicki, J. P. Vary, and H. Witała (LENPIC Collaboration), "Few-nucleon systems with state-of-the-art chiral nucleon-nucleon forces", Phys. Rev. C **93**, 044002 (2016).

150. R. Skibiński, J. Golak, K. Topolnicki, H. Witała, E. Epelbaum, H. Krebs, H. Kamada, Ulf-G. Meißner, and A. Nogga, "Testing semilocal chiral two-nucleon interaction in selected electroweak processes", Phys. Rev. C **93**, 064002 (2016).

151. K. Topolnicki, J. Golak, R. Skibiński, H. Witała, "Orthogonal polynomial approach to calculate the two-nucleon transition operator in three dimensions", Eur. Phys. J. A **52**, 22 (2016).

152. K. Topolnicki, J. Golak, R. Skibiński, H. Witała, "The operator form of the three-nucleon scattering amplitude", Phys. Rev. C **96**, 014611 (2017).

153. K. Sekiguchi, H. Witała, T. Akieda, D. Eto, H. Kon, Y. Wada, A. Watanabe, S. Chebotaryov, M. Dozono, J. Golak, H. Kamada, S. Kawakami, Y. Kubota, Y. Maeda, K. Miki, E. Milman, A. Ohkura, H. Sakai, S. Sakaguchi, N. Sakamoto, M. Sasano, Y. Shindo, R. Skibiński, H. Suzuki, M. Tabata, T. Uesaka, T. Wakasa, K. Yako, T. Yamamoto, Y. Yanagisawa, J. Yasud, "Complete Set of Deuteron Analyzing Powers from $\vec{d}$p Elastic Scattering at 190 MeV/nucleon", Phys. Rev. C **96**, 064001 (2017).

154. R. Skibiński, J. Golak, K. Topolnicki, H. Witała, Yu. Volkotrub, H. Kamada, A. M. Shirokov, R. Okamoto, K. Suzuki, and J. P. Vary, "Nucleon-deuteron scattering with the JISP16 potential", Phys. Rev. C**97**, 014002 (2018).

155. R. Skibiński, Yu. Volkotrub, J. Golak, K. Topolnicki, and H. Witała, "Theoretical uncertainties of the elastic nucleon-deuteron scattering observables", Phys. Rev. C**98**, 014001 (2018).

156. S. Binder, A. Calci, E. Epelbaum, R. J. Furnstahl, J. Golak, K. Hebeler, T. Hüther, H. Kamada, H. Krebs, P. Maris, Ulf-G. Meißner, A. Nogga, R. Roth, R. Skibiński, K. Topolnicki, J. P. Vary, K. Vobig, and H. Witała (LENPIC Collaboration), "Few-nucleon and many-nucleon systems with semilocal coordinate-space regularized chiral nucleon-nucleon forces", Phys. Rev. C**98**, 014002 (2018).

157. J. Golak, R. Skibiński, K. Topolnicki, H. Witała, A. Grassi, H. Kamada, and L.E. Marcucci, "Momentum space treatment of inclusive neutrino scattering off the deuteron and trinucleons", Phys. Rev. C**98**, 015501 (2018).

158. J. Golak, R. Skibiński, K. Topolnicki, H. Witała, A. Grassi, H. Kamada, A. Nogga, and L.E. Marcucci, "Radiative pion capture in ^{2}H, ^{3}He, and ^{3}H", Phys. Rev. C**98**, 054001 (2018).

159. S. Terashima, L. Yu, H.J. Ong, I. Tanihata, S. Adachi, N. Aoi, P.Y. Chan, H. Fujioka, M. Fukuda, H. Geissel, G. Gey, J. Golak, E. Haettner, C. Iwamoto, T. Kawabata, H. Kamada, X.Y. Le, H. Sakaguchi, A. Sakaue, C. Scheidenberger, R. Skibiński, B.H. Sun, A. Tamii, T.L. Tang, D.T. Tran, K. Topolnicki, T.F. Wang, Y.N. Watanabe, H. Weick, H. Witała, G.X. Zhang, and L. H. Zhu, "Dominance of Tensor Correlations in High-Momentum Nucleon Pairs Studied by (p, pd) Reaction", Phys. Rev. Lett. **121**, 242501 (2018).

160. M. Mihovilovic, G. Jin, E. Long, Y.-W. Zhang, K. Allada, B. Anderson, J. R. M. Annand, T. Averett, W. Bertozzi, W. Boeglin, P. Bradshaw, A. Camsonne, M. Canan, G. D. Cates, C. Chen, J. P. Chen, E. Chudakov, R.De Leo, X. Deng, A. Deltuva, A. Deur, C. Dutta, L. El Fassi, D. Flay, S. Frullani, F. Garibaldi, H. Gao, S. Gilad, R. Gilman, O. Glamazdin, J. Golak, S. Golge, J. Gomez, O. Hansen, D. W. Higinbotham, T. Holmstrom, J. Huang, H. Ibrahim, C. W. de Jager, E. Jensen, X. Jiang, M. Jones, H. Kamada, H. Kang, J. Katich, H. P. Khanal, A. Kievsky, P. King, W. Korsch, J. LeRose, R. Lindgren, H.-J.Lu, W. Luo, L. E. Marcucci, P. Markowitz, M. Meziane, R. Michaels, B. Moffit, P. Monaghan, N. Muangma, S. Nanda, B. E. Norum, K. Pan, D. Parno, E. Piasetzky, M. Posik, V. Punjabi, A. J. R. Puckett, X. Qian, Y. Qiang, X. Qui, S. Riordan, A. Saha, P. U. Sauer, B. Sawatzky, R. Schiavilla, B. Schoenrock, M. Shabestari, A. Shahinyan, S. Sirca, R. Skibiński, J. St. John, R. Subedi, V. Sulkosky, W. Tireman, W. A. Tobias, K. Topolnicki, G. M. Urciuoli, M. Viviani, D. Wang, K. Wang, Y. Wang, J. Watson, B. Wojtsekhowski, H. Witała, Z. Ye, X. Zhan, Y. Zhang, X. Zheng, B. Zhao, and L. Zhu, (The Jefferson Lab Hall A Collaboration), "Measurement of double-polarization asymmetries in the quasi-elastic $\overrightarrow{^3\mathrm{He}}(\vec{e}, e'p)$ process", Phys. Lett. **B788**, 117 (2019).

161. E. Epelbaum, J. Golak, K. Hebeler, T. Hüther, H. Kamada, H. Krebs, P. Maris, Ulf-G. Meißner, A. Nogga, R. Roth, R. Skibiński, K. Topolnicki, J. P. Vary, K. Vobig, and H. Witała, "Few- and many-nucleon systems with semilocal coordinate-space regularized chiral two- and three-body forces", Phys. Rev. C**99**, 024313 (2019).

162. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, E. Epelbaum, K. Hebeler, H. Kamada, H. Krebs, U.-G. Meißner, A. Nogga, "Application of semilocal coordinate-space regularized chiral forces to elastic Nd scattering and breakup", Few-Body Syst. **60**, 19 (2019).

163. J. Golak, R. Skibiński, K. Topolnicki, H. Witała, A. Grassi, H. Kamada, L. E. Marcucci, "From response functions to cross sections in neutrino scattering off the deuteron and trinucleons", Phys. Rev. C**100**, 064003 (2019).

164. E. Epelbaum, J. Golak, K. Hebeler, H. Kamada, H. Krebs, U.-G. Meißner, A. Nogga, P. Reinert, R. Skibiński, K. Topolnicki, Yu. Volkotrub, H. Witała, "Towards high-order

calculations of three-nucleon scattering in chiral effective field theory", Eur. Phys. J. **A56**, 92 (2020).

165. H. Tavakoli-Zaniani, M. Eslami-Kalantari, H. R. Amir-Ahmadi, M. T. Bayat, A. Deltuva, J. Golak, N. Kalantar-Nayestanaki, St. Kistryn, A. Kozela, H. Mardanpour, J. G. Messchendorp, M. Mohammadi-Dadkan, A. Ramazani-Moghaddam-Arani, R. Ramazani-Sharifabadi, R. Skibiński, E. Stephan, H. Witała, "Vector-analyzing powers in the $d(\vec{p}, pp)n$ and $d(\vec{p}, {}^2\mathrm{He})n$ channels at 135 MeV", Eur. Phys. J. **A56**, 62 (2020).

166. M. Mohammadi-Dadkan, H. R. Amir-Ahmadi, M. T. Bayat, A. Deltuva, M. Eslami-Kalantari, J. Golak, N. Kalantar-Nayestanaki, St. Kistryn, A. Kozela, H. Mardanpour, A. A. Mehmandoost-Khajeh-dad, J. G. Messchendorp, A. Ramazani-Moghaddam-Arani, R. Ramazani-Sharifabadi, R. Skibiński, E. Stephan, H. Tavakoli-Zaniani, H. Witała, "Analyzing powers in $d(\vec{p}, pp)n$ at intermediate and large scattering angles at 190 MeV", Eur. Phys. J. **A56**, 81 (2020).

167. P. Adlarson, W. Augustyniak, W. Bardan, M. Bashkanov, F. S. Bergmann, M. Berłowski, A. Bondar, M. Büscher, H. Calén, I. Ciepał, H. Clement, E. Czerwiński, K. Demmich, R. Engels, A. Erven, W. Erven, W. Eyrich, P. Fedorets, K. Föhl, K. Fransson, F. Goldenbaum, A. Goswami, K. Grigoryev, L. Heijkenskjöld, V. Hejny, N. Hüsken, L. Jarczyk, T. Johansson, B. Kamys, G. Kemmerling, A. Khoukaz, A. Khreptak, D. A. Kirillov, S. Kistryn, H. Kleines, B. Kłos, W. Krzemień, P. Kulessa, A. Kupść, K. Lalwani, D. Lersch, B. Lorentz, A. Magiera, R. Maier, P. Marciniewski, B. Mariański, H.-P. Morsch, P. Moskal, W. Parol, E. Perez del Rio, N. M. Piskunov, D. Prasuhn, D. Pszczel, K. Pysz, J. Ritman, A. Roy, O. Rundel, S. Sawant, S. Schadmand, T. Sefzick, V. Serdyuk, B. Shwartz, T. Skorodko, M. Skurzok, J. Smyrski, V. Sopov, R. Stassen, J. Stepaniak, E. Stephan, G. Sterzenbach, H. Stockhorst, H. Ströher, A. Szczurek, A. Trzciński, M. Wolke, A. Wrońska, P. Wüstner, A. Yamamoto, J. Zabierowski, M. J. Zieliński, J. Złomańczuk, P.Żuprański, and M. Żurek (WASA-at-COSY Collaboration), A. Deltuva, J. Golak, A. Kozela, R. Skibiński, I. Skwira-Chalot, A. Wilczek, H. Witała, "Three-nucleon dynamics in **dp** breakup collisions using the WASA detector at COSY-Jülich", Phys. Rev. C**101**, 044001 (2020).

168. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, V. Urbanevych, "Investigation of interaction of circularly and linearly polarized photon beams with polarized ^{3}He target", Phys. Rev. C**101**, 024003 (2020).

169. R. Cruz-Torres, D. Nguyen, F. Hauenstein, A. Schmidt, S. Li, D. Abrams, H. Albataineh, S. Alsalmi, D. Androic, K. Aniol, W. Armstrong, J. Arrington, H. Atac, T. Averett, C. Ayerbe Gayoso, X. Bai, J. Bane, S. Barcus, A. Beck, V. Bellini, F. Benmokhtar, H. Bhatt, D. Bhetuwal, D. Biswas, D. Blyth, W. Boeglin, D. Bulumulla, A. Camsonne, J. Castellanos, J-P. Chen, E. O. Cohen, S. Covrig, K. Craycraft, B. Dongwi, M. Duer, B. Duran, D. Dutta, E. Fuchey, C. Gal, T. N. Gautam, S. Gilad, K. Gnanvo, T. Gogami, J. Golak, J. Gomez, C. Gu, A. Habarakada, T. Hague, O. Hansen, M. Hattawy, O. Hen, D. W. Higinbotham, E. Hughes, C. Hyde, H. Ibrahim, S. Jian, S. Joosten, H. Kamada, A. Karki, B. Karki, A. T. Katramatou, C. Keppel, M. Khachatryan, V. Khachatryan, A. Khanal, D. King, P. King, I. Korover, T. Kutz, N. Lashley-Colthirst, G. Laskaris, W. Li, H. Liu, N. Liyanage, P. Markowitz, R. E. McClellan, D. Meekins, S. Mey-Tal Beck,

Z-E. Meziani, R. Michaels, M. Mihovilovic, V. Nelyubin, N. Nuruzzaman, M. Nycz, R. Obrecht, M. Olson, L. Ou, V. Owen, B. Pandey, V. Pandey, A. Papadopoulou, S. Park, M. Patsyuk, S. Paul, G. G. Petratos, E. Piasetzky, R. Pomatsalyuk, S. Prematilake, A. J. R. Puckett, V. Punjabi, R. Ransome, M. N. H. Rashad, P. E. Reimer, S. Riordan, J. Roche, M. Sargsian, N. Santiesteban, B. Sawatzky, E. P. Segarra, B. Schmookler, A. Shahinyan, S. Sirca, R. Skibiński, N. Sparveris, T. Su, R. Suleiman, H. Szumila-Vance, A. S. Tadepalli, L. Tang, W. Tireman, K. Topolnicki, F. Tortorici, G. Urciuoli, L. B. Weinstein, H. Witała, B. Wojtsekhowski, S. Wood, Z. H. Ye, Z. Y. Ye, and J. Zhang (Jefferson Lab Hall A Tritium Collaboration), "Probing few-body nuclear dynamics via ^{3}H and ^{3}He (e, e'p)pn cross-section measurements", Phys. Rev. Lett. **124**, 212501 (2020).

170. H. Witała, J. Golak, R. Skibiński, V. Soloviov, K. Topolnicki, "Three-nucleon force effects in inclusive spectra of the neutron-deuteron breakup reaction", Phys. Rev. C**101**, 054002 (2020).

171. W. Parol, A. Kozela, K. Bodek, A. Deltuva, M. Eslami-Kalantari, J. Golak, N. Kalantar-Nayestanaki, G. Khatri, St. Kistryn, B. Kłos, J. Kuboś, P. Kulessa, A. Łobejko, A. Magiera, H. Mardanpour, J. G. Messchendorp, I. Mazumdar, R. Skibiński, I. Skwira-Chalot, E. Stephan, A. Ramazani-Moghaddam-Arani, D. Rozpędzik, A. Wilczek, H. Witała, B. Włoch, A. Wrońska, and J. Zejma, "Measurement of differential cross sections for the deuteron-proton breakup reaction at 160 MeV", Phys. Rev. C **102**, 054002 (2020).

172. V. Urbanevych, R. Skibiński, H. Witała, J. Golak, K. Topolnicki, A. Grassi, E. Epelbaum, and H. Krebs, "Application of a momentum-space semi-locally regularized chiral potential to selected disintegration processes", Phys. Rev. C **103**, 024003 (2021).

173. G. Laskaris, W. Ji, X. Yan, J. Zhou, W. R. Zimmerman, M. W. Ahmed, T. Averett, A. Deltuva, A. C. Fonseca, H. Gao, J. Golak, A. Kafkarkou, H. J. Karwowski, B. Lalremruata, J. Manfredi, J. M. Mueller, P. U. Sauer, R. Skibiński, A. P. Smith, M. B. Tsang, H. R. Weller, H. Witała, Y. K. Wu, and Z. W. Zhao, First measurement of the asymmetry and the Gerasimov-Drell-Hearn integrand from the $\overrightarrow{^3\mathrm{He}}(\vec{\gamma}, p)^2$H reaction at an incident photon energy of 29 MeV", Phys. Rev. C **103**, 034311 (2021).

174. P. Maris, E. Epelbaum, R. J. Furnstahl, J. Golak, K. Hebeler, T. Hüther, H. Kamada, H. Krebs, Ulf-G. Meißner, J. A. Melendez, A. Nogga, P. Reinert, R. Roth, R. Skibiński, V. Soloviov, K. Topolnicki, J. P. Vary, Yu. Volkotrub, H. Witała, and T. Wolfgruber (LENPIC Collaboration), "Light nuclei with semilocal momentum-space regularized chiral interactions up to third order", Phys. Rev. C **103**, 054001 (2021).

175. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, E. Epelbaum, H. Krebs, and P. Reinert, "Comprehensive investigation of the symmetric space-star configuration in the nucleon-deuteron breakup", Phys. Rev. C **104**, 014002 (2021).

176. H. Tavakoli-Zaniani, M. Eslami-Kalantari, H. R. Amir-Ahmadi, M. T. Bayat, A. Deltuva, J. Golak, N. Kalantar-Nayestanaki, St. Kistryn, A. Kozela, H. Mardanpour, J. G. Messchendorp, M. Mohammadi-Dadkan, A. Ramazani-Moghaddam-Arani, R. Ramazani-Sharifabadi, R. Skibiński, E. Stephan, H. Witała, "A comprehensive analysis of differential cross sections and analyzing powers in the proton–deuteron break-up channel at 135 MeV", Eur. Phys. J. A **57**, 58 (2021).

177. H. Witała, J. Golak, R. Skibiński, "Efficient emulator for solving three-nucleon continuum Faddeev equations with chiral three-nucleon force comprising any number of contact terms", Eur. Phys. J. A **57**, 241 (2021).

178. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, "Perturbative Treatment of Three-Nucleon Force Contact Terms in Three-Nucleon Faddeev Equations", Few-Body Syst. **62**, 23 (2021).

179. R. Skibiński, J. Golak, V. Soloviov, K. Topolnicki, Yu. Volkotrub, H. Witała, "Modern chiral forces applied to the neutron-deuteron breakup reaction", Few-Body Syst. **62**, 59 (2021).

180. Yu. Volkotrub, J. Golak, R. Skibiński, K. Topolnicki, H. Witała, "Correlation and Regression Analysis of 2N Scattering Observables", Few-Body Syst. **62**, 88 (2021).

181. H. Witała, J. Golak, and R. Skibiński, "Significance of chiral three-nucleon force contact terms for understanding of elastic nucleon-deuteron scattering", Phys. Rev. C **105**, 054004 (2022).

182. Yu. Volkotrub, R. Skibiński, J. Golak, and H. Witała, "Correlations among neutron-proton and neutron-deuteron elastic scattering observables", Phys. Rev. C **106**, 034002 (2022).

183. A. Arslanaliev, J. Golak, H. Kamada, A. V. Shebeko, R. Skibiński, M. M. Stepanova, H. Witała, "The Kharkov potential in the theory of 2N and 3N systems with solving the relativistic Faddeev equations", Physics of Particles and Nuclei **53**, 87 (2022).

184. P. Maris, R. Roth, E. Epelbaum, R. J. Furnstahl, J. Golak, K. Hebeler, T. Hüther, H. Kamada, H. Krebs, H. Le, Ulf-G. Meißner, J. A. Melendez, A. Nogga, P. Reinert, R. Skibiński, J. P. Vary, H. Witała, T. Wolfgruber, "Nuclear properties with semilocal momentum-space regularized chiral interactions beyond N^2LO", Phys. Rev. C **106**, 064002 (2022).

185. J. Golak, V. Urbanevych, R. Skibiński, H. Witała, K. Topolnicki, V. Baru, A. A. Filin, E. Epelbaum, H. Kamada, A. Nogga, "Pion absorption from the lowest atomic orbital in ^{2}H, ^{3}H, and ^{3}He", Phys. Rev. C **106**, 064003 (2022).

186. M. Mohammadi-Dadkan, H. R. Amir-Ahmadi, M. T. Bayat, A. Deltuva, M. Eslami-Kalantari, J. Golak, N. Kalantar-Nayestanaki, St. Kistryn, A. Kozela, H. Mardanpour, A. A. Mehmandoost-Khajeh-dad, J. G. Messchendorp, A. Ramazani-Moghaddam-Arani, R. Ramazani-Sharifabadi, R. Skibiński, E. Stephan, H. Tavakoli-Zaniani, H. Witała, "Analyzing powers at low nucleon–nucleon relative energies in proton–deuteron breakup reaction", Eur. Phys. J. **A58**, 173 (2022).

187. A. Grassi, J. Golak, N. W. Polyzou, R. Skibiński, H. Witała, H. Kamada, "Electron and neutrino scattering off the deuteron in a relativistic framework", Phys. Rev. C **107**, 024617 (2023).

188. R. Skibiński, J. Golak, H. Witała, V. Chahar, E. Epelbaum, A. Nogga and V. Soloviov, "The nucleon-induced deuteron breakup process as a laboratory for chiral dynamics", Front. Phys. **11**, 1084040 (2023); doi: 10.3389/fphy.2023.1084040

189. H. Witała, J. Golak, R. Skibiński, "Inclusion of the long-range proton-proton Coulomb force in the three-nucleon scattering Faddeev calculations", Phys. Rev. C **110**, 024005 (2024).

190. H. Witała, J. Golak, R. Skibiński, "Avoiding renormalization of the elastic transition amplitude in the proton-deuteron scattering calculations", Phys. Rev.C **110**, 014003 (2024).

Publikacje w materiałach konferencyjnych

1. J. Golak, S. Ishikawa, W. Glöckle, H. Kamada, H. Witała, "Final state interaction effects in exclusive electron scattering on ^{3}He", Proceedings of the XIIIth International Conference on Particles and Nuclei, PAN XIII, Perugia, Italy, June 28 - July 2, 1993, ed. A.Pascolini, World Scientific, 1994, pp. 446–447.

2. M. Allet, K. Bodek, W. Hajdas, J. Lang, R. Müller, S. Navert, O. Naviliat-Cuncic, J. Sromicki, J. Zejma, L. Jarczyk, St. Kistryn, J. Smyrski, A. Strzałkowski, W. Glöckle, J. Golak, H. Witała, B. Dechant, J. Krug, P. A. Schmelzbach, "Cross section and analyzing power A_y in the proton induced breakup reaction at 65 MeV", Few-Body Syst. **Suppl.7** (1994) 243–246. Proceedings of the XIVth European Conference on Few-Body Problems in Physics, Amsterdam, The Netherlands, August 23 - 27, 1993.

Prace opublikowane po doktoracie

3. W. Glöckle, H. Witała, H. Kamada, D. Hüber, J. Golak, "News from the 3N and 4N systems", AIP Conference Proceedings **334** of the XIVth International Conference on Few-Body Problems in Physics, Williamsburg, USA, May 26-31, 1994, AIP Press, ed. F.Gross, pp. 45–67.

4. D. Hüber, H. Witała, H. Kamada, W. Glöckle, J. Golak, "Three-nucleon-force effects in the 3N continuum", AIP Conference Proceedings **334** of the XIVth International Conference on Few-Body Problems in Physics, Williamsburg, USA, May 26-31, 1994, AIP Press, ed. F.Gross, pp. 391–394.

5. M. Allet, K. Bodek,J. Lang, R. Müller, S. Navert, O. Naviliat-Cuncic, J. Sromicki, E. Stephan, J. Zejma, J. Golak, L. Jarczyk, St. Kistryn, J. Smyrski, A. Strzałkowski, H. Witała, W. Glöckle, D.Hüber, "Cross section and analyzing power A_y in the $^2H(\vec{p},pp)n$ " breakup reaction at 65 MeV; three-body force effects", AIP Conference Proceedings **334** of the XIVth International Conference on Few-Body Problems in Physics, Williamsburg, USA, May 26-31, 1994, AIP Press, ed. F.Gross, pp. 471–474.

6. J. Golak, H. Kamada, H. Witała, W. Glöckle, S. Ishikawa, "Electron scattering on ^{3}He with full inclusion of final state interactions", AIP Conference Proceedings **334** of the XIVth International Conference on Few-Body Problems in Physics, Williamsburg, USA, May 26-31, 1994, AIP Press, ed. F.Gross, pp. 701–704.

7. W. Glöckle, H. Kamada, D. Hüber, J. Golak, H. Kamada, K. Miyagawa, S. Ishikawa, "Nuclear three- and four-body systems", Few-Body Syst. **Suppl.8** (1995) 9–20. Proceedings of the XIVth European Conference on Few-Body Problems in Physics, Peñiscola (Castellón), Spain, June 5-9, 1995.

8. M. Allet, K. Bodek, W. Glöckle, J. Golak, L. Jarczyk, St. Kistryn, J. Lang, R. Müller, S. Navert, O. Naviliat-Councic, J. Smyrski, J. Sromicki, E. Stephan, A. Strzałkowski, H. Witała, J. Zejma, "Cross sections and vector analyzing powers in the proton induced deuteron breakup reaction at 65 MeV: star configurations", Few-Body Syst. **Suppl.8**

(1995) 49–53. Proceedings of the XIVth European Conference on Few-Body Problems in Physics, Peñiscola (Castellón), Spain, June 5-9, 1995.

9. W. Glöckle, H. Kamada, H. Witała, D.Hüber, K. Miyagawa, J. Golak, "Achievements and challenges in 3N- and 4N systems", Few-Body Syst. **Suppl.9** (1995) 384–398. Proceedings of the 6th International Conference Mesons and Light Nuclei, Straz pod Ralskiem, Czech Republic, July 3-7, 1995.

10. D. Hüber, J. Golak, H. Witała, W. Glöckle, H. Kamada, "S–Matrix Parameters for Elastic Neutron-Deuteron Scattering above the Breakup Threshold", Few-Body Syst. **Suppl.9** (1995) 399–403. Proceedings of the 6th International Conference Mesons and Light Nuclei, Straz pod Ralskiem, Czech Republic, July 3-7, 1995.

11. H. Kamada, M. P. Locher, T.-S. Lee, W. Glöckle, H. Witała, and J. Golak, "Pion absorption on ^{3}He", Acta Phys. Pol. **B27** (1996) 3381–3384. Proceedings of the Wokshop on Production, Properties and Interaction of Mesons, Meson'96, May 10-14, Cracow, Poland.

12. J. Golak, H. Kamada, W. Glöckle, H. Witała, D. Hüber, S. Ishikawa, "Final State Interaction in Electron Induced Breakup of ^{3}He", Proceedings of the Workshop on Electron Nucleus Scattering, pp. 201–219. Elba International Physics Center, Italy, July 1-5, 1996, Eds. O. Benhar, A. Fabrocini, Edizioni ETS, 1997.

13. H. Kamada, M. P. Locher, T.-S. Lee, J. Golak, V. E. Markushin, W. Glöckle, H. Witała, "Pion absorption reaction ^{2}H and ^{3}He" in the Δ-isobar region", Nucl. Phys. **A631** (1998) 519c–523c. Proceedings of the XVth International Conference on Few-Body Problems in Physics, Groningen, The Netherlands, July 22-26, 1997.

14. K. Bodek, W. Glöckle, J. Golak, L. Jarczyk, St. Kistryn, B. Kozłowska, J. Lang, A. Micherdzińska, O. Naviliat-Cuncic, J. Smyrski, M. Sokolowski, J. Sromicki, A. Strzałkowski, H. Witała, J. Zejma, W. Zipper, "Proton induced deuteron breakup reaction at 65 MeV: unspecific configurations", Nucl. Phys. **A631** (1998) 687c–691c. Proceedings of the XVth International Conference on Few-Body Problems in Physics, Groningen, The Netherlands, July 22-26, 1997.

15. J. Golak, K. Miyagawa, H. Kamada, H. Witała, W. Glöckle, A. Parreño, A. Ramos, C. Bennhold, "The nonmesonic weak decay of the hypertriton", Nucl. Phys. **A631** (1998) 740c–744c. Proceedings of the XVth International Conference on Few-Body Problems in Physics, Groningen, The Netherlands, July 22-26, 1997.

16. W. Glöckle, K. Miyagawa, H. Kamada, J. Golak, H. Witała, "The hypertriton and its decays", Nucl. Phys. **A639** (1998) 297c–306c. Proceedings of the International Conference on Hypernuclear and Strange Particle Physics, Brookhaven National Laboratory, Upton, USA, 13 - 18 October 1997, Edited by D.J. Millener and R.E. Chrien

17. R. Skibiński, W. Glöckle, J. Golak, H. Witała, Effects of Final State Interaction in the ^{3}He Decay caused by Muon Capture, Few Body Syst. **Suppl. 10** (1999) 347-350, Proceedings of the XVIth European Conference on Few-Body Problems in Physics, Autrans, France, June 1-6, 1998.

18. H. Kamada, J. Golak, K. Miyagawa, H. Witała, W. Glöckle, "Pionic decay of the hypertriton", Few Body Syst. **Suppl. 10** (1999) 383-386. Proceedings of the XVIth European Conference on Few-Body Problems in Physics, Autrans, France, June 1-6, 1998.

19. D.L. Groep, M.F. van Batenburg, Th.S. Bauer, H.P. Blok, D.J. Boersma, E. Cisbani, R. De Leo, S. Frullani, F. Garibaldi, W.Glöckle, J.Golak, P. Heimberg, W.H.A. Hesselink, M. Iodice, D. Ireland, E. Jans, H. Kamada, L. Lapikás, G. Lolos, R. Perrino, A. Scott, R. Starink, M.F.M. Steenbakkers, G.M. Urciuoli, H. de Vries, L.B. Weinstein, H.Witała, "Electron-induced two-proton knockout from ^{3}He", Few-Body Syst. **Suppl.10**, 351 (1999). Proceedings of the XVIth European Conference on Few-Body Problems in Physics, Autrans, France, June 1-6, 1998.

20. D.L. Groep, M.F. van Batenburg, Th.S. Bauer, H.P. Blok, D.J. Boersma, E. Cisbani, R. De Leo, S. Frullani, F. Garibaldi, W. Glöckle, J. Golak, P. Heimberg, W.H.A. Hesselink, M. Iodice, D.G. Ireland, E. Jans, H. Kamada, L. Lapikas, G. Lolos, R. Perrino, A. Scott, R. Starink, M.F.M. Steenbakkers, G.M. Urciuoli, H. de Vries, L.B. Weinstein, and H. Witała, Electron-induced two-proton knockout from ^{3}He, Nucl. Phys. **A654**, 509c–512c (1999). Proceedings of the International Nuclear Physics Conference, Paris, France, 24 August 1998.

21. W. Glöckle, H. Witała, H. Kamada, J. Golak, A. Nogga and G. Ziemer, Selected topics in few-nucleon physics, Nucl. Phys. **A684**, 184–192 (2001). Proceedings of the International Conference on Few-Body Problems in Physics, Taipei, Taiwan, 6 March 2000.

22. R. Bieber, K. Bodek, K. Ermisch, W. Glöckle, J. Golak, M.N. Harakeh, N. Kalantar-Nayestanaki, St. Kistryn, J. Kuroś-Żołnierczuk, J. Lang, A. Micherdzińska, R. Skibiński, M. Sokołowski, J. Sromicki, E. Stephan, A. Strzałkowski, M. Volkerts, H. Witała, J. Zejma and W. Zipper, Search for three-nucleon force effects in dp-breakup reaction, Nucl. Phys. **A684**, 536–538 (2001). Proceedings of the International Conference on Few-Body Problems in Physics, Taipei, Taiwan, 6 March 2000.

23. N. Kalantar-Nayestanaki, R. Bieber, W. Glöckle, J. Golak, M.N. Harakeh, H. Huisman, H. Kamada, J.G. Messchendorp, A. Nogga, H. Sakai, N. Sakamoto, M. Volkerts, S.Y. van der Werf and H. Witała, A_y puzzle at intermediate energy pd elastic scattering, Nucl. Phys. **A684**, 580–582 (2001). Proceedings of the International Conference on Few-Body Problems in Physics, Taipei, Taiwan, 6 March 2000.

24. H. Kamada, J. Golak, H. Witała, W. Glöckle, J. Kuroś-Żołnierczuk, R. Skibiński and V.V. Kotlyar, Faddeev calculations of proton-deuteron radiative capture with π- and ρ-meson exchange currents of the Argonne potentials, Nucl. Phys. **A684**, 618–622 (2001). Proceedings of the International Conference on Few-Body Problems in Physics, Taipei, Taiwan, 6 March 2000.

25. J. Golak, H. Kamada, H. Witała, W. Glöckle, G. Ziemer, J. Kuroś-Żołnierczuk, R. Skibiński and V.V. Kotlyar, Selected electromagnetic processes in three-nucleon systems, Nucl. Phys. **A689**, 41–48 (2001). Proceedings of the XVII European Conference on Few Body Problems in Physics, Evora, Portugal, 11 September 2000.

26. St. Kistryn, R. Bieber, K. Bodek, K. Ermisch, W. Glöckle, J. Golak, M.N. Harakeh, N. Kalantar-Nayestanaki, J. Kuroś-Żołnierczuk, H. Kamada, A. Micherdzińska, A. Nogga, R. Skibiński, M. Sokołowski, E. Stephan, A. Strzałkowski, H. Witała, J. Zejma and W. Zipper, Three-nucleon force effects in the dp-breakup at 130 MeV, Nucl. Phys. **A689**, 345–348 (2001). Proceedings of the XVII European Conference on Few Body Problems in Physics, Evora, Portugal, 11 September 2000.

27. H. Witała, W. Glöckle, H. Kamada, A. Nogga, J. Golak, J. Kuroś-Żołnierczuk, and R. Skibiński, "Three-nucleon spin observables: Signatures for three-nucleon force effects", AIP Conf. Proc. **570**, 208 (2001). Proceedings of the 14th International Spin Physics Symposium, Osaka, Japan, 16-21 October, 2000. Eds. K. Hatanaka, T. Nakano, K. Imai, H. EJiri.

28. H. Witała, W. Glöckle, J. Golak, H. Kamada, J. Kuroś-Żołnierczuk, A. Nogga, and R. Skibiński, "Testing the nuclear Hamiltonian in the 3N continuum and the electromagnetic process on ^{3}He", AIP Conf. Proc. **610**, 337 (2002). Proceedings of the International Nuclear Physics Conference, INPC 2001, Berkeley, California, 2001. Eds. E. Norman, L. Schroeder, G. Wozniak.

29. H. Witała, E. Epelbaum, W. Glöckle, J. Golak, H. Kamada, J. Kuroś-Żołnierczuk, A. Nogga, R. Skibiński, "Testing the Nuclear Hamiltonian in Few-Nucleon Systems", Few-Body Syst. **Suppl.14**, 117 (2003). Proceedings of the XVIIIth European Conference on Few-Body Problems in Physics, Bled, Slovenia, September 8-14, 2002. Eds. R. Krivec, B. Golli, M. Rosina, and S. Širca.

30. St. Kistryn, R. Bieber, A. Biegun, K. Bodek, K. Ermisch, W. Glöckle, J. Golak, M.N. Harakeh, N. Kalantar-Nayestanaki, H. Kamada, J. Kuroś-Żołnierczuk, M. Kiš, A. Micherdzińska, A. Nogga, M. Shafiei, R. Skibiński, E. Stephan, H. Witała, J. Zejma, W. Zipper, "Three-Nucleon Dynamics Studied via ^{1}H(d,pp)n Breakup at 130 MeV", Few-Body Syst. **Suppl.14**, 141 (2003). Proceedings of the XVIIIth European Conference on Few-Body Problems in Physics, Bled, Slovenia, September 8-14, 2002. Eds. R. Krivec, B. Golli, M. Rosina, and S. Širca.

31. G. Orlandini, V.D. Efros, W. Leidemann, E.L. Tomusiak, J. Golak, R. Skibiński, W. Glöckle, H. Kamada, A. Nogga, H. Witała, "Benchmark Result on Total Three-Nucleon Photodisintegration", Few-Body Syst. **Suppl.14**, 343 (2003). Proceedings of the XVIIIth European Conference on Few-Body Problems in Physics, Bled, Slovenia, September 8-14, 2002. Eds. R. Krivec, B. Golli, M. Rosina, and S. Širca.

32. J. Golak, W. Glöckle, H. Kamada, H. Witała, R. Skibiński, and A. Nogga, "Electron Scattering from Polarized ^{3}He: Results of Full Faddeev Calculations", Few-Body Syst. **Suppl.14**, 355 (2003). Proceedings of the XVIIIth European Conference on Few-Body Problems in Physics, Bled, Slovenia, September 8-14, 2002. Eds. R. Krivec, B. Golli, M. Rosina, and S. Širca.

33. H. Kamada, W. Glöckle, J. Golak, and Ch. Elster, "Lorentz Boosted NN Potential for Few-Body Systems: Application to the Three-Nucleon Bound State", Book of abstracts of the 17^{th} International IUPAP Conference on Few-Body Problems in Physics, p. 149, Eds.

W. Glöckle, T. Pulis, and W. Tornow, Triangle Universities Nuclear Laboratory, Durham, NC USA, June 5-10, 2003.

34. R. Skibiński, J. Golak, H. Witała, W. Glöckle, H. Kamada, and A. Nogga, "Two- and Three-Body Photodisintegration of 3N Bound States", Book of abstracts of the 17^{th} International IUPAP Conference on Few-Body Problems in Physics, p. 176, Eds. W. Glöckle, T. Pulis, and W. Tornow, Triangle Universities Nuclear Laboratory, Durham, NC USA, June 5-10, 2003.

35. V. Kotlyar, A. Nogga, H. Kamada, J. Golak, W. Glöckle, H. Witała, "Mechanisms of Two-Body ^{3}He Photodisintegration above the Pion Production Threshold", Book of abstracts of the 17^{th} International IUPAP Conference on Few-Body Problems in Physics, p. 210, Eds. W. Glöckle, T. Pulis, and W. Tornow, Triangle Universities Nuclear Laboratory, Durham, NC USA, June 5-10, 2003.

36. St. Kistryn, R. Bieber, A. Biegun, K. Bodek, K. Ermisch, W. Glöckle, J. Golak, M. N. Harakeh, N. Kalantar-Nayestanaki, H. Kamada, J. Kuroś-Żołnierczuk, M. Kiš, A. Micherdzińska, A. Nogga, M. Shafiei, R. Skibiński, E. Stephan, H. Witała, J. Zejma, W. Zipper, "Three-Nucleon System Dynamics Studied in the dp-Breakup at 130 MeV", Book of abstracts of the 17^{th} International IUPAP Conference on Few-Body Problems in Physics, p. 223, Eds. W. Glöckle, T. Pulis, and W. Tornow, Triangle Universities Nuclear Laboratory, Durham, NC USA, June 5-10, 2003.

37. H. Witała, A. Nogga, H. Kamada, W. Glöckle, J. Golak, R. Skibiński, "The nd Scattering Lengths with Modern Nuclear Forces", Book of abstracts of the 17^{th} International IUPAP Conference on Few-Body Problems in Physics, p. 227, Eds. W. Glöckle, T. Pulis, and W. Tornow, Triangle Universities Nuclear Laboratory, Durham, NC USA, June 5-10, 2003.

38. J. Golak, W. Glöckle, H. Kamada, H. Witała, R. Skibiński, "Polarized ^{3}He as an effective neutron: Progress towards a relativistic 3N Faddeev calculation", http://www.ap.smu.ca/LOWq03/talks/golak/index.html, Proceedings of the 2nd Workshop on Electromagnetic Nuclear Reactions at Low Momentum Transfer ($\mathcal{LOW}q03$), July 16-18, 2003, Saint Mary's University, Halifax, Nova Scotia, Canada.

39. W. Glöckle, J. Golak, R. Skibiński, H. Witała, H. Kamada, A. Nogga, "Electron Scattering on ^{3}He - a Playground to Test Nuclear Dynamics", Proceedings of the 6^{th} Workshop on "e-m induced Two-Hadron Emission", September 2003, Pavia, Italy.

Prace opublikowane po habilitacji

40. St. Kistryn, A. Biegun, E. Stephan, B. Kłos, K. Bodek, K. Ermisch, W. Glöckle, J. Golak, N. Kalantar-Nayestanaki, H. Kamada, M. Kis, A. Kozela, J. Kuroś-Żołnierczuk, A. Micherdzińska, M. Mahjour-Shafiei, A. Nogga, R. Skibiński, R. Sworst, H. Witała, J. Zejma and W. Zipper, "Cross sections of the deuteron-proton breakup at 130 MeV", AIP Conf. Proc. **768**, 53 (2005), Proceedings of the 19^{th} European Conference on Few-Body Problems in Physics, Eds. N. Kalantar-Nayestanaki, R.G.E. Timmermans, B.L.G. Bakker, Groningen, The Netherlands, 23-27 August, 2004,

41. P. Thörngren Engblom, H.-O. Meyer, B. von Przewoski, J. Kuroś-Żołnierczuk, T. Whitaker, J. Doskow, B. Lorentz, P.V. Pancella, R.E. Pollock, F. Rathmann, T. Rinckel, T. Wise, H. Witała, J. Golak, H. Kamada, A. Nogga, R. Skibiński, "Experimental search for evidence of the three-nucleon force and a new analysis method", AIP Conf. Proc. **768**, 65 (2005), Proceedings of the 19^{th} European Conference on Few-Body Problems in Physics, Eds. N. Kalantar-Nayestanaki, R.G.E. Timmermans, B.L.G. Bakker, Groningen, The Netherlands, 23-27 August, 2004,

42. E. Stephan, A. Biegun, St. Kistryn, K. Bodek, W. Glöckle, J. Golak, N. Kalantar-Nayestanaki, M. Kis, B. Kłos, A. Kozela, J. Kuroś-Żołnierczuk, A. Micherdzińska, M. Mahjour-Shafiei, R. Skibiński, R. Sworst, H. Witała, J. Zejma and W. Zipper, "Analyzing power measurement in deuteron-proton breakup at 130 MeV", AIP Conf. Proc. **768**, 73 (2005), Proceedings of the 19^{th} European Conference on Few-Body Problems in Physics, Eds. N. Kalantar-Nayestanaki, R.G.E. Timmermans, B.L.G. Bakker, Groningen, The Netherlands, 23-27 August, 2004,

43. J. Golak, R. Skibiński, H. Witała, W. Glöckle, A. Nogga, H. Kamada, "Electron scattering on ^{3}He using momentum-space Faddeev techniques" , AIP Conf. Proc. **768**, 91 (2005), Proceedings of the 19^{th} European Conference on Few-Body Problems in Physics, Eds. N. Kalantar-Nayestanaki, R.G.E. Timmermans, B.L.G. Bakker, Groningen, The Netherlands, 23-27 August, 2004,

44. R. Skibiński, J. Golak, H. Witała, W. Glöckle, A. Nogga, "Photodisintegration of ^{3}He with polarized photons- predictions for a photon asymmetry", AIP Conf. Proc. **768**, 148 (2005), Proceedings of the 19^{th} European Conference on Few-Body Problems in Physics, Eds. N. Kalantar-Nayestanaki, R.G.E. Timmermans, B.L.G. Bakker, Groningen, The Netherlands, 23-27 August, 2004,

45. H. Witała, R. Skibiński, J. Golak, W. Glöckle, H. Kamada, A. Nogga and W.N. Polyzou, "Three-nucleon force effects in 3N hadronic and photonic reactions", AIP Conf. Proc. **1011**, 13 (2008), Proceedings of the international symposium "New Facet of Three Nucleon Force - 50 Years of Fujita Miyazawa Three Nucleon Force (FM50)", Eds. H. Sakai, K. Sekiguchi, B.F. Gibson, Tokyo, Japan, 29-31 October 2007.

46. H. Kamada, E. Epelbaum, A. Nogga, Ulf-G. Meißner, H. Witała, J. Golak, R. Skibiński and W. Glöckle, "Partial wave decomposition of $2\pi - 1\pi$ exchange three-nucleon force in chiral effective field theory", AIP Conf. Proc. **1011**, 59 (2008), Proceedings of the international symposium "New Facet of Three Nucleon Force - 50 Years of Fujita Miyazawa Three Nucleon Force (FM50)", Eds. H. Sakai, K. Sekiguchi, B.F. Gibson, Tokyo, Japan, 29-31 October 2007.

47. St. Kistryn, E. Stephan, N. Kalantar-Nayestanaki, A. Biegun, B. Klos, R. Sworst, K. Bodek, I. Ciepal, A. Deltuva, E. Epelbaum, A.C. Fonseca, W. Glöckle, J. Golak, H. Kamada, M. Kis, A. Kozela, M. Mahjour-Shafiei, A. Micherdzinska, A. Nogga, P.U. Sauer, R. Skibiński, H. Witała, J. Zejma and W. Zipper, "Cross sections of the deuteron-proton breakup as a probe of three-nucleon system dynamics", AIP Conf. Proc. **1011**, 69 (2008), Proceedings of the international symposium "New Facet of Three Nucleon Force - 50 Years of Fujita Miyazawa Three Nucleon Force (FM50)", Eds. H. Sakai, K. Sekiguchi, B.F. Gibson, Tokyo, Japan, 29-31 October 2007.

48. E. Stephan, St. Kistryn, N. Kalantar-Nayestanaki, A. Biegun, K. Bodek, I. Ciepal, A. Deltuva, E. Epelbaum, A.C. Fonseca, W. Glöckle, J. Golak, H. Kamada, M. Kis, B. Klos, A. Kozela, M. Mahjour-Shafiei, A. Micherdzinska, A. Nogga, P.U. Sauer, R. Skibiński, R. Sworst, H. Witała, J. Zejma and W. Zipper, "A large, precise set of polarization observables for deuteron-proton breakup at 130 MeV", AIP Conf. Proc. **1011**, 75 (2008), Proceedings of the international symposium "New Facet of Three Nucleon Force - 50 Years of Fujita Miyazawa Three Nucleon Force (FM50)", Eds. H. Sakai, K. Sekiguchi, B.F. Gibson, Tokyo, Japan, 29-31 October 2007.

49. St. Kistryn, E. Stephan, N. Kalantar-Nayestanaki, A. Biegun, K. Bodek, I. Ciepał, A. Deltuva, E. Epelbaum, A. C. Fonseca, W. Glöckle, J. Golak, H. Kamada, M. Kis, B. Kłos, A. Kozela, A. Nogga, M. Mahjour-Shafiei, A. Micherdzińska, P. U. Sauer, R. Skibiński, R. Sworst, H. Witała, J. Zejma and W. Zipper, "Studies of the three-nucleon system dynamics: Cross sections of the deuteron-proton breakup at 130 MeV",

50. H. Witała, J. Golak, R. Skibiński, H. Kamada, W. Glöckle and W. N. Polyzou, "Relativistic effects in the 3N continuum and the A_y puzzle", Few Body Syst. **44**, 15 (2008), Proceedings of the 20th European Conference on Few-Body Problems in Physics (EFB20), Pisa, Italy, 10-14 September 2007 (Editors: A. Kievsky, M. Viviani)

51. H. Kamada, W. Glöckle, H. Witała, J. Golak, R. Skibiński and W. N. Polyzou, "Relativity in the three-nucleon system", Few Body Syst. **44**, 291 (2008), Proceedings of the 20th European Conference on Few-Body Problems in Physics (EFB20), Pisa, Italy, 10-14 September 2007 (Editors: A. Kievsky, M. Viviani)

52. E. Stephan, St. Kistryn, N. Kalantar-Nayestanaki, A. Biegun, K. Bodek, I. Ciepał, A. Deltuva, E. Epelbaum, M. Eslami-Kalantari, A. C. Fonseca, W. Glöckle, J. Golak, V. Jha, H. Kamada, Da. Kirillov, Di. Kirillov, M. Kis, St. Kliczewski, B. Kłos, A. Kozela, M. Kravcikova, V. M. Kyryanchuk, M. Lesiak, H. Machner, A. Magiera, M. Mahjour-Shafiei, G. Martinska, J. Messchendorp, A. Micherdzińska, A. Nogga, N. Piskunov, D. Protic, A. Ramazani, P. von Rossen, B. J. Roy, H. Sakai, P. U. Sauer, K. Sekiguchi, I. Sitnik, R. Siudak, R. Skibiński, R. Sworst, J. Urban, H. Witała, J. Zejma and W. Zipper, "Three-nucleon interaction dynamics studied via the deuteron-proton breakup", International Journal of Modern Physics A (IJMPA), Volume **24**, No: 2/3, January 30, 2009, pp. 515-520, proceedings of the 10th International Workshop on Meson Production, properties and Interaction, (Meson 2008), Kraków, Poland, 6-10 June, 2008, editors St. Kistryn, A. Magiera, H. Machner, C. Guaraldo.

53. H. Witała, J. Golak, R. Skibiński, W. Glöckle, H. Kamada, A. Nogga, "Testing nucleonic forces with three nucleon reactions", The 18-th International Conference on Particles And Nuclei (PANIC) 2008, 9-14 listopad 2008, Eilat, Izrael, Nucl. Phys. **A827**, 222c (2009).

54. H. Kamada, W. Glöckle, H. Witała, J. Golak, R. Skibiński, W. Polyzou, Ch. Elster, "Lorentz boosted nucleon-nucleon T-matrix", 4th Asia-Pacific Few Body Conferencee, Depok, Indonesia, 19-23 August 2008, Mod. Phys. Lett. **A24**, 804 (2009).

55. H. Witała, J. Golak, R. Skibiński, W. Glöckle, W. Polyzou, H. Kamada, "Relativistic effects in 3N reactions", 4th Asia-Pacific Few Body Conferencee, Depok, Indonesia, 19-23 Aug 2008, Mod. Phys. Lett. **A24**, 871 (2009).

56. H. Kamada, W. Glöckle, H. Witała, J. Golak, R. Skibiński, "Determination of Wolfenstein parameters in NN scattering directly from observables", 21st European Conference on Few-Body Problems in Physics, Salamanca, Spain, 30 August - 3 September 2010, Few-Body Syst. **50**, 231-234 (2011).

57. R. Skibiński, J. Golak, D. Rozpędzik, K. Topolnicki, H. Witała, W. Glöckle, E. Epelbaum, H. Kamada, Ch. Elster, I. Fachruddin, "Recent Developments of a three-dimensional Description of the NN System", 21st European Conference on Few-Body Problems in Physics, Salamanca, Spain, 30 August - 3 September 2010 Few-Body Syst. **50**, 279-282 (2011).

58. R. Skibiński, J. Golak, K. Topolnicki, H. Witała, ..., A. Nogga, "3H at next-to-next-to-next-to leading order of the chiral expansion", Few-Body Syst. **54**, 1315-1318 (2013).

59. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, ..., A. Nogga, "Calculations of three-nucleon reactions", Few-Body Syst. **54**, 897-902 (2013).

60. I. Ciepał, B. Kłos, St. Kistryn, E. Stephan, ..., J. Zejma, "Investigations of few-nucleon system dynamics in medium energy domain", Few-Body Syst. **54**, 1301-1305 (2013).

61. B. Kłos, I. Ciepał, St. Kistryn, E. Stephan, ..., J.Zejma, "Systematic studies of the three-nucleon system dynamics in the deuteron-proton breakup reaction", Acta Physica Polonica B44, 345-348 (2013).

62. H. Kamada, W. Glöckle, J. Golak, "Translationally Invariant Single Particle Picture of the Three-Nucleon System", Few-Body Syst. **54**, 531-535 (2013).

63. K. Topolnicki, J. Golak, "Few-nucleon reactions in Three Dimensional Formalism", Acta Physica Polonica B (C13-06-03.6 proceedings) supp. 6 (4) 1143-1146 (2013).

64. J. Golak, St. Kistryn, R. Skibiński, The 22nd European Conference on Few-Body Problems in Physics, Kraków 2013, "Preface", Few-Body Syst. **55** 579-580 (2014).

65. I. Ciepał, B. Kłos, St. Kistryn, E. Stephan, A. Biegun, K. Bodek, A. Deltuva, E. Epelbaum, M. Eslami-Kalantari, A. C. Fonseca, J. Golak, V. Jha, N. Kalantar-Nayestanaki, H. Kamada, G. Khatri, Da. Kirillov, Di. Kirillov, St. Kliczewski, A. Kozela, M. Kravcikova, H. Machner, A. Magiera, G. Martinska, J. Messchendorp, A. Nogga, W. Parol, A. Ramazani-Moghaddam-Arani, B. J. Roy, H. Sakai, K. Sekiguchi, I. Sitnik, R. Siudak, R. Skibiński, R. Sworst, J. Urban, H. Witała, J. Zejma, The 22nd European Conference on Few-Body Problems in Physics, Krakŵ 2013, "Investigation of the Three-Nucleon System Dynamics in the Deuteron–Proton Breakup Reaction", Few-Body Syst. **55** 639-644 (2014).

66. K. Topolnicki, J. Golak, R. Skibiński, A. E. Elmeshneb, H. Witała, A. Nogga, H. Kamada, The 22nd European Conference on Few-Body Problems in Physics, Kraków 2013, 2N and 3N Systems in a Three Dimensional Formalism, Few-Body Syst. **55** 835-838 (2014).

67. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, "Three-nucleon reactions with chiral dynamics", EPJ Web of Conferences, Vol. **66**, 03096 (2014), proceedings of the 25th International Nuclear Physics Conference (INPC 2013), Firenze, Italy, 2-7 June 2013.

68. I. Ciepał *et al.*, "Studies of the Three-Nucleon System Dynamics in the Deuteron-Proton Breakup Reaction", EPJ Web of Conferences **66**, 03019 (2014) proceedings of the 25th International Nuclear Physics Conference (INPC 2013), Firenze, Italy, 2-7 June 2013.

69. K. Topolnicki, J. Golak, R. Skibiński, L. E. Marcucci, H. Witała, Alaa Eldeen Elmeshneb, "Muon induced deuteron disintegration in three-dimensions", proceedings of 13th International Workshop on Production, Properties and Interaction of Mesons MESON2014, 29.05-3.06.2014, Kraków, Poland, EPJ Web Conf. **81**, 06010 (2014).

70. W. Parol, A. Kozela, I. Ciepał, B. Kłos, K. Bodek, J. Golak, N. Kalantar-Nayestanaki, G. Khatri, St. Kistryn, P. Kulessa, A. Magiera, I. Mazumdar, J. Messchendorp, D. Rozpędzik, R. Skibiński, I. Skwira-Chalot, E. Stephan, H. Witała, A. Wrońska, J. Zejma, "Investigation of three nucleon force effects in deuteron-proton breakup reaction", proceedings of 13th International Workshop on Production, Properties and Interaction of Mesons MESON2014, 29.05-3.06.2014, Kraków, Poland, EPJ Web Conf. **81**, 06007 (2014).

71. K. Topolnicki, J. Golak, H. Witała, R. Skibiński, A. E. Elmeshneb, "The two-nucleon and three-nucleon system in three dimensions", Proceedings of the II Symposium on Positron Emission Tomography, Kraków, September 21-24, 2014 and Proceedings of the II Symposium on Applied Nuclear Physics and Innovative Technologies, Kraków, 24-27.09.2014, Acta Phys. Polon. **A127**, 1527 (2015).

72. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, "Ab Initio Calculations of Three-Nucleon Scattering", proceedings of "Nuclear Structure and Dynamics III", 14-19.06.2015, Portoroz (Portorose), Słowenia, AIP Conf. Proc. **1681**, 020001 (2015).

73. R. Skibiński, J. Golak, K. Topolnicki, H. Witała, A. E. Elmeshneb, "Study of electroweak processses in the two and three-nucleon systems with local chiral forces", proceedings of The 8th International Workshop on Chiral Dynamics, 29.06-3.07.2015, Pisa, Italy, PoS(CD15), 118 (2016).

74. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, "Elastic nucleon-deuteron scattering and breakup with chiral forces", proceedings of The 8th International Workshop on Chiral Dynamics, 29.06-3.07.2015, Pisa, Italy, PoS(CD15), 122 (2016).

75. J. Golak, R. Skibiński, H. Witała, K. Topolnicki, A. E. Elmeshneb, H. Kamada, A. Nogga, L. E. Marcucci, "Break-up channels in muon capture on ^{3}He", proceedings of 21th International Few-Body Conference, Chicago, USA 18-22.05.2015, EPJ Web of Conf. **113**, 04029 (2016).

76. P. Maris, S. Binder, A. Calci, E. Epelbaum, R. J. Furnstahl, J. Golak, K. Hebeler, H. Kamada, H. Krebs, J. Langhammer, S. Liebig, U.-G. Meißner, D. Minossi, A. Nogga, H. Potter, R. Roth, R. Skibiński, K. Topolnicki, J. P. Vary, H. Witała, "Properties of ^{4}He and ^{6}Li with improved chiral EFT interactions", proceedings of 21th International Few-Body Conference, Chicago, USA 18-22.05.2015, EPJ Web of Conf. **113**, 04015 (2016).

77. R. Skibiński, J. Golak, K. Topolnicki, H. Witała, E. Epelbaum, "Studies of three-nucleon systems with improved chiral forces", proceedings of 21th International Few-Body Conference, Chicago, USA 18-22.05.2015, EPJ Web of Conf. **113**, 04002 (2016).

78. R. Skibiński, J. Golak, K. Topolnicki, H. Witała, "N^{3}LO Chiral Predictions for Spin Observables in Nucleon-Deuteron Elastic Scattering at Low Energies", proceedings of the 21st International Symposium on Spin Physics, 20-24.10.2014, Beijing, Chiny, Int. J. Mod. Phys. Conf. Ser. **40**, 1660069 (2016).

79. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, "Elastic nucleon-deuteron scattering and breakup with chiral forces", proceedings of the 12th International Conference on Nucleus-Nucleus Collisions (NN2015), 21-26.06.2015, Catania, Włochy, EPJ Web of Conf. **117**, 02006 (2016).

80. J. Golak, R. Skibiński, H. Witała, K. Topolnicki, H. Kamada, A. Nogga, L. E. Marcucci, "uon Capture on ^{3}H", proceedings of 23nd European Conference on Few-Body Problems in Physics, Aarhus, Denmark, 8-12.08.2016, Few-Body Syst. **58**, 91 (2017).

81. K. Topolnicki, J. Golak, R. Skibiński, H. Witała, "Three-Nucleon Scattering in a 3D Approach at the First Order", proceedings of 23nd European Conference on Few-Body Problems in Physics, Aarhus, Denmark, 8-12.08.2016, Few-Body Syst. **58**, 293 (2017).

82. R. Skibiński, J. Golak, K. Topolnicki, H. Witała, E. Epelbaum, H. Kamada, H. Krebs, U.-G. Meißner, A. Nogga, "Modern Chiral Forces Applied to the Nucleon-Deuteron Radiative Capture", proceedings of 23nd European Conference on Few-Body Problems in Physics, Aarhus, Denmark, 8-12.08.2016, Few-Body Syst. **58**, 257 (2017).

83. H. Witała, J. Golak, R. Skibiński, and K. Topolnicki, "Three-Nucleon Reactions with Chiral Forces", proceedings of the 14th Int. Conf. on Meson-Nucleon Physics and the Structure of the Nucleon (MENU2016), 25-30.07.2016, Kyoto, Japonia, JPS Conf. Proc. **13**, 020057 (2017).

84. R. Skibiński, J. Golak, K. Topolnicki, H. Witała, "Muon Capture With Improved Chiral Forces", proceedings of the 26th International Nuclear Physics Conference INPC2016, 11-16.09.2016, Adelaide, Australia, PoS(INPC2016), 226 (2017).

85. H. Witała, J. Golak, R. Skibiński, and K. Topolnicki, "Application of new N^{2}LO 3NF's in calculations of 3N reactions", proceedings of the International workshop on Chiral Forces in Low Energy Nuclear Physics - the LENPIC Meeting", 10-11.02.2017, Kraków, Poland, arXiv:1705.01530v1, page 8.

86. H. Kamada, H. Witała, J. Golak, R. Skibiński, O. Shebeko, and A. Arslanaliev, "Relativistic Faddeev Calculations", proceedings of the International workshop on Chiral Forces in Low Energy Nuclear Physics - the LENPIC Meeting", 10-11.02.2017, Kraków, Poland, arXiv:1705.01530v1, page 16.

87. K. Topolnicki, J. Golak, R. Skibiński, Yu. Volkotrub, and H. Witała, "Operator form of nucleon-deuteron scattering", proceedings of the International workshop on Chiral Forces in Low Energy Nuclear Physics - the LENPIC Meeting", 10-11.02.2017, Kraków, Poland, arXiv:1705.01530v1, page 23.

88. Y. Volkotrub, R. Skibiński, J. Golak, K. Topolnicki, and H. Witała, "The OPE-Gaussian force in elastic Nd scattering", proceedings of the International workshop on Chiral Forces

in Low Energy Nuclear Physics - the LENPIC Meeting", 10-11.02.2017, Kraków, Poland, arXiv:1705.01530v1, page 27.

89. Yu. Volkotrub, R. Skibiński, J. Golak, K. Topolnicki, H. Witała, "Elastic nucleon-deuteron scattering with the nucleon-nucleon OPE-Gaussian force at E=65 MeV – introductory studies", proceedings of the 2nd Jagiellonian Symposium on Fundamental and Applied Subatomic Physics, 4-11.06.2017, Kraków, Poland, Acta Phys. Polon. **B48**, 1995 (2017).

90. K. Topolnicki, J. Golak, R. Skibiński, H. Witała, Yu. Volkotrub, "Operator form of the three-nucleon scattering amplitude", proceedings of the XLI International Conference of Theoretical Physics: Matter to the Deepest, 3-8.09.2017, Podlesice, Poland, Acta Phys. Polon. **B48**, 2291 (2017).

91. R. Skibiński, J. Golak, A. M. Shirokov, K. Topolnicki, Yu. Volkotrub, H. Witała, "Three-nucleon reactions with recently derived nuclear potentials", Proceedings of the International Conference "Nuclear Theory in the Supercomputing Era - 2016" (NTSE-2016), Khabarovsk, Russia, September 19-23, 2016. Eds. A. M. Shirokov and A. I. Mazur, Pacific National University, Khabarovsk, Russia, 2018, p. 90.

92. J. Golak, R. Skibiński, H. Witała, K. Topolnicki, E. Epelbaum, H. Kamada, A. Nogga, L. E. Marcucci, "Electroweak processes with two- and three-nucleon systems", proceedings of International Workshop on (e,e'p) Processes, Bled, Slovenia, 2-6.07.2017, Bled Workshops in Physics, vol.**18**, no.3 (2018) 87.

93. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, H. Kamada, "Role of the isospin T=3/2 component in nd elsatic scattering and breakup", proceedings of "The 21st Particles and Nuclei International Conference (PANIC2017)", 1-5.09.2017, Beijing, Chiny, Editor: Yi-fang Wang, Int. J. Mod. Phys. Conf. Ser. **46**, 1860050 (2018).

94. R. Skibiński, Yu. Volkotrub, J. Golak, K. Topolnicki, H. Witała, "Propagation of uncertainties of the nucleon-nucleon potential to the neutron-deuteron elastic scattering cross section", proceedings of the 21st Particles and Nuclei International Conference (PANIC2017), 1-5.09.2017, Beijing, Chiny, Editor: Yifang Wang, Int. J. Mod. Phys. Conf. Ser. **46**, 1860051 (2018).

95. J. Golak, R. Skibiński, K. Topolnicki, H. Witała, A. Grassi, H. Kamada, A. Nogga, L.E. Marcucci, "Radiative pion capture in ^{2}H, ^{3}He and ^{3}H", proceedings of "15th International Workshop on Meson Physics MESON 2018", 7-12.06.2018, Kraków, Poland, EPJ Web of Conferences **199**, 05005 (2019).

96. Yu. Volkotrub, J. Golak, R. Skibiński, K. Topolnicki, H. Witała, "Various types of theoretical uncertainties by example of the elastic nucleon-deuteron scattering spin correlation coefficient $C_{z,x}$", proceedings of "15th International Workshop on Meson Physics MESON 2018", 7-12.06.2018, Kraków, Poland, EPJ Web of Conferences **199**, 05006 (2019).

97. V. Soloviov, J. Golak, R. Skibiński, K. Topolnicki, Yu. Volkotrub, H. Witała, "The JISP16 potential applied to the nucleon induced deuteron breakup process", proceedings of the 15th International Workshop on Meson Physics MESON 2018", 7-12.06.2018, Kraków, Poland, EPJ Web of Conferences **199**, 05019 (2019).

98. K. Topolnicki, J. Golak, R. Skibiński, H. Witała, Yu. Volkotrub, V. Soloviov, A. Grassi, "Three-nucleon bound state calculations using the three dimensional formalism", proceedings of the 15th International Workshop on Meson Physics MESON 2018", 7-12.06.2018, Kraków, Poland, EPJ Web of Conferences **199**, 05021 (2019).

99. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, "3N continuum reactions with semilocal coordinate-space regularized chiral forces", proceedings of the XXII International Conference on Few-Body Problems in Physics (FB22), 9-13.07.2018, Caen, Francja, in: N. Orr, M. Ploszajczak, F. Marques, J. Carbonell (eds.), Recent Progress in Few-Body Physics, FB22 2018, Springer Proceedings in Physics **238**, 433-438 (2020).

100. H. Kamada, O. Shebeko, A. Arslanaliev, H. Witała, J. Golak, R. Skibiński, M. Stepanova, S. Yakovlev, "Relativistic Faddeev calculation for nucleon-deuteron scattering with the Kharkov potential", proceedings of the XXII International Conference on Few-Body Problems in Physics (FB22), 9-13.07.2018, Caen, Francja, in: N. Orr, M. Ploszajczak, F. Marques, J. Carbonell (eds.), Recent Progress in Few-Body Physics, FB22 2018, Springer Proceedings in Physics **238**, 449-453 (2020).

101. Yu. Volkotrub, R. Skibiński, J. Golak, K. Topolnicki, H. Witała, "Theoretical uncertainties in the description of the nucleon-deuteron elastic scattering at E=135 MeV", proceedings of the Zakopane Conference on Nuclear Physics "Extreme of the Nuclear Landscape", 26.08-2.09.2018, Zakopane, Poland, Acta Phys. Polon. B50, 367 (2019).

102. K. Topolnicki, J. Golak, R. Skibiński, H. Witała, Yu. Volkotrub, "Few-Nucleon Systems without Partial Wave Decomposition", proceedings of the Zakopane Conference on Nuclear Physics "Extreme of the Nuclear Landscape", 26.08-2.09.2018, Zakopane, Poland, Acta Phys. Polon. B50, 371 (2019).

103. H. Witała, J. Golak, R. Skibiński, K. Topolnicki, "Achievements and challenges in understanding nucleon-deuteron reactions", proceedings of the European Nuclear Physics Conference (EuNPC2018), 2-7.09.2018, Bologna, Italy, Il Nouovo Cimento **42 C**, 132 (2019).

104. R. Skibiński, J. Golak, A. Grassi, V. Soloviov, K. Topolnicki, V. Urbanevych, Yu. Volkotrub, H. Witała, "Nucleon-Deuteron Scattering with Chiral Semilocal Coordinate Space and Momentum Space Regularized Interactions", Proceedings of the International Conference "Nuclear Theory in the Supercomputing Era - 2018 (NTSE-2018)", Daejeon, South Korea, October 29 - November 2, 2018, eds. A. M. Shirokov and A. I. Mazur, Pacific National University, Khabarovsk, Russia, 2019, p. 115.

105. K. Topolnicki, J. Golak, R. Skibiński, H. Witała, Yu. Volkotrub, V. Soloviov, A. Grassi, "^{3}H and ^{3}He Bound State Calculations without Angular Momentum Decomposition", Proceedings of the International Conference "Nuclear Theory in the Supercomputing Era - 2018" (NTSE-2018)", Daejeon, South Korea, October 29 - November 2, 2018, eds. A. M. Shirokov and A. I. Mazur, Pacific National University, Khabarovsk, Russia, 2019, p. 122.

106. J. Golak, E. Epelbaum, A. Grassi, H. Kamada, H. Krebs, P. Reinert, R. Skibiński, V. Soloviov, K. Topolnicki, V. Urbanevych, Yu. Volkotrub, H. Witała, "Investigations of the

few-nucleon systems within the LENPIC project", Proceedings of the 24th European Few Body Conference, 02-06.09.2019, Guilford, UK, SciPost Phys. Proc. **3**, 002 (2020).

107. B. Włoch, K. Bodek, I. Ciepał, M. Eslami-Kalantari, J. Golak, N. Kalantar-Nayestanaki, G. Khatri, St. Kistryn, B. Kłos, A. Kozela, J. Kuboś, P. Kulessa, A. Łobejko, A. Magiera, H. Mardanpour, J. Messchendorp, I. Mazumdar, W. Parol, A. Ramazani-Moghaddam-Arani, D. Rozpędzik, R. Skibiński, I. Skwira-Chalot, E. Stephan, A. Wilczek, H. Witała, A. Wrońska, J. Zejma, "Determination of phase space region for cross-check validation of the neutron detection in the BINA experiments", Proceedings of the 24th European Few Body Conference, 02-06.09.2019, Guilford, UK, SciPost Phys. Proc. **3**, 006 (2020).

108. A. Grassi, J. Golak, R. Skibiński, K. Topolnicki, H. Witała, H. Kamada, L. E. Marcucci, "Response functions and cross sections for inclusive neutrino scattering off 2H, 3H and ^{3}He", Proceedings of the 24th European Few Body Conference, 02-06.09.2019, Guilford, UK, SciPost Phys. Proc. **3**, 0031 (2020).

109. V. Soloviov, J. Golak, R. Skibiński, K. Topolnicki, H. Witała, "Application of the JISP16 potential to the nucleon induced deuteron breakup process at E=13 MeV and E=65 MeV", Proceedings of the 24th European Few Body Conference, 02-06.09.2019, Guilford, UK, SciPost Phys. Proc. **3**, 0032 (2020).

110. H. Kamada, H. Witała, J. Golak, R. Skibiński, "Three-nucleon force effects in the FSI configuration of the d(n, nn)p breakup reaction", Proceedings of the 24th European Few Body Conference, 02-06.09.2019, Guilford, UK, SciPost Phys. Proc. **3**, 046 (2020).

111. Yu. Volkotrub, J. Golak, R. Skibiński, K. Topolnicki, H. Witała, "Correlations among 3N observables", Proceedings of the 24th European Few Body Conference, 02-06.09.2019, Guilford, UK, SciPost Phys. Proc. bf 3, 0055 (2020).

112. R. Skibiński, J. Golak, V. Soloviov, K. Topolnicki, V. Urbanevych, Yu. Volkotrub, H. Witała, "Neutron-deuteron scattering (chiral potentials & cutoff dependance)", Proceedings of the 9th International Workshop on Chiral Dynamics (CD18), 17-21.09.2018, Durham, NC, USA, PoS(CD2018) 109.

113. V. Soloviov, J. Golak, R. Skibiński, K. Topolnicki, Y. Volkotrub, H. Witała, "Comparison of the JISP16 and the AV18 Forces-based Predictions for the Differential Cross Section and the Nucleon Analysing Power in d(n,nn)p Reaction", Proceedings of the 3rd Jagiellonian Symposium on Fundamental and Applied Subatomic Physics, 23-28.06.2019, Kraków, Poland, Acta Phys. Pol. B**51**, 269 (2020).

114. Yu. Volkotrub, J. Golak, R. Skibiński, K. Topolnicki, H. Witała, "Correlations Among Observables in Two- and Three-nucleon Systems", Proceedings of the 3rd Jagiellonian Symposium on Fundamental and Applied Subatomic Physics, 23-28.06.2019, Kraków, Poland, Acta Phys. Pol. B**51**, 273 (2020).

115. V. Urbanevych, J. Golak, R. Skibiński, H. Witała, "The First Application of the Chiral SMS Nucleon-Nucleon Interaction to the Deuteron Photodisintegration Process", Proceedings of the 3rd Jagiellonian Symposium on Fundamental and Applied Subatomic Physics, 23-28.06.2019, Kraków, Poland, Acta Phys. Pol. B**51**, 389 (2020).

116. J. Golak, R. Skibiński, H. Witała, D. Ramirez, V. Urbanevych, Ch. Vaibhav, "Few-nucleon systems for nuclear physics", Proceedings of the Zakopane Conference on Nuclear Physics *E*xtremes of the Nuclear Landscape, Zakopane, Poland; August 28–September 4, 2022, Acta Phys. Pol. B**16**, 4-A23 (2023).

117. Jacek Golak, Vitalii Urbanevych, Roman Skibiński, Henryk Witała, Kacper Topolnicki, Vadim Baru, Arseniy A. Filin, Evgeny Epelbaum, Hiroyuki Kamada and Andreas Nogga, Proceedings of MESON 2023 – 17th International Workshop on Meson Physics, Kraków, Poland, June 22-27, 2023, R. Lalik (Ed.), EPJ Web of Conferences **291**, 04006 (2024).

Wystąpienia na konferencjach

1. J. Golak, H. Kamada, H. Witała, W. Glöckle, S. Ishikawa, "Electron Scattering on ^{3}He with Full Inclusion of Final State Interactions", Talk given at the XIVth International Conference on Few-Body Problems in Physics, Williamsburg, USA, May 26-31, 1994.

2. J. Golak, H. Kamada, W. Glöckle, H. Witała, D. Hüber, S. Ishikawa, "Final State Interaction in Electron Induced Breakup of ^{3}He(^{3}H)", Invited talk given at the Workshop on Electron-Nucleus Scattering, Elba International Physics Center, Italy, July 1-5, 1996,

3. J. Golak, K. Miyagawa, H. Kamada, H. Witała, W. Glöckle, A. Parreño, A. Ramos, C. Bennhold, "The nonmesonic weak decay of the hypertriton", Talk given at the XVth International Conference on Few-Body Problems in Physics, Groningen, The Netherlands, July 22-26, 1997.

4. J. Golak, H. Kamada, K. Miyagawa, H. Witała, W. Glöckle, A. Parreño, A. Ramos, C. Bennhold, "The nonmesonic and mesonic weak decays of the hypertriton", Invited talk given at the Workshop on The Weak Decay of Hypernuclei, European Centre for Theoretical Studies in Nuclear Physics and Related Areas, Trento, Italy, July 13-17, 1998.

5. J. Golak, H. Witała, R. Skibiński, J. Kuros, W. Glöckle, H. Kamada, D. Hüber, S. Ishikawa, "Inelastic Electron Scattering on ^{3}He and pd Capture Processes", Invited talk given at the Symposium on Current Topics in the Field of Light Nuclei, Krakow, Poland, June 21 - 25, 1999.

6. J. Golak, H. Kamada, H. Witała, W. Glöckle, G. Ziemer, J. Kuroś-Żołnierczuk, R. Skibiński and V.V. Kotlyar, "Selected electromagnetic processes in three-nucleon systems", talk given at the XVII European Conference on Few Body Problems in Physics, Evora, Portugal, September 2000.

7. J. Golak, H. Kamada, W. Glöckle, H. Witała, "Selected electromagnetic processes in three-nucleon systems", talk given at the Spring Meeting of the German Physical Society, Erlangen, February 2001.

8. J. Golak, H. Kamada, W. Glöckle, H. Witała, J. Kuroś-Żołnierczuk, R. Skibiński, "Proton-deuteron capture and photodisintegration of ^{3}He and ^{3}H", talk at the ECT* workshop, "Few-body systems at low and moderate energies: open questions beyond computational problems", Trento, Italy, June 25 - July 6, 2001.

9. J. Golak, W. Glöckle, H. Kamada, H. Witała, R. Skibiński, and A. Nogga, "Electron Scattering from Polarized ^{3}He: Results of Full Faddeev Calculations", talk at the XVIII European Conference on Few Body Problems in Physics, 8-14 September, 2002, Bled, Slovenia.

10. J. Golak, W. Glöckle, H. Kamada, H. Witała, R. Skibiński, "Polarized ^{3}He as an effective neutron: Progress towards a relativistic 3N Faddeev calculation", invited talk at the 2nd Workshop on Electromagnetic Nuclear Reactions at Low Momentum Transfer ($\mathcal{LOWq}03$), July 16-18, 2003, Saint Mary's University, Halifax, Nova Scotia, Canada.

Wystąpienia po habilitacji

11. J. Golak, R. Skibiński, H. Witała, W. Glöckle, A. Nogga, H. Kamada, "Electron scattering on ^{3}He using momentum-space Faddeev techniques" , invited plenary talk at the 19th European Conference on Few-body Problems in Physics, August 23-27, 2004, Groningen, The Netherlands.

12. J. Golak, D. Rozpędzik, R. Skibiński, H. Witała, W. Glöckle, E. Epelbaum, A. Nogga, H. Kamada, "A first estimation of chiral four-nucleon force effects in ^{4}He", invited talk at the 380. WE-Heraeus-Seminar: "QCD and Few-Hadron Systems" November 13-17, 2006, Physikzentrum Bad Honnef, Germany.

13. J. Golak, W. Glöckle, H. Witała, R. Skibiński, A. Nogga, "Calculations of three-body photodisintegration and sensitivity to 3NFs", invited talk at the INT Workshop "Soft Photons and Light Nuclei", June 16-20, 2008, Seattle, USA.

14. J. Golak and D. Rozpędzik, "Two-Pion Exchange Currents in Photodisintegration of the Deuteron", invited talk at the symposium "Frontiers in Nuclear Physics", June 18-20, 2009, Physikzentrum Bad Honnef, Germany.

15. J. Golak, W. Glöckle, R. Skibiński, H. Witała, "Approximate Three-Dimensional Wave Function and the T-Matrix for the Sharply Cut Off Coulomb Potential", talk at the 19th International IUPAP Conference on Few-Body Problems in Physics, August 31 - September 5, 2009, University of Bonn, Germany.

16. J. Golak, A. E. Elmeshneb, R. Skibiński, K. Topolnicki, H. Witała, "Selected weak interaction processes on the deuteron and ^{3}He", invited talk at the International Workshop on Nuclear Dynamics with Effective Field Theories, Ruhr-Universität Bochum, Germany, July 1 - 3, 2013.

17. J. Golak, R. Skibiński, H. Witała, K. Topolnicki, A. E. Elmeshneb, H. Kamada, A. Nogga, and L. E. Marcucci, "Break-up Channels in Muon Capture on ^{3}He", talk at the 21st International Conference on Few-Body Problems in Physics, Chicago, USA, May 18 - 22, 2015.

18. J. Golak, R. Skibiński, H. Witała, K. Topolnicki, E. Epelbaum, H. Kamada, A. Nogga, "Electron scattering off few-nucleon systems: theory meets experiment", invited talk at the international workshop *New Vistas in Low-Energy Precision Physics (LEPP)*, Johannes Gutenberg-Universität Mainz, Germany, April 4 - 7, 2016.

19. J. Golak, R. Skibiński, H. Witała, K. Topolnicki, E. Epelbaum, H. Kamada, A. Nogga, L.E. Marcucci, "Electroweak processes with two- and three-nucleon systems", invited talk at the International Workshop on (e,e'p) Processes (EEP17), Bled, Slovenia, July 2 - 6, 2017.

20. J. Golak, R. Skibiński, H. Witała, K. Topolnicki, E. Epelbaum, H. Kamada, A. Nogga, "Electron scattering on ^{3}He and ^{3}H with Faddeev-type methods", invited talk at the International Workshop "Polarized light ion physics with EIC", Ghent University, Ghent, Belgium, February 5-9, 2018.

21. J. Golak, R. Skibiński, H. Witała, K. Topolnicki, A. Grassi, "Preliminary results for neutrino reactions with two- and three-nucleon systems", invited talk at The 3rd Meeting of the Low Energy Nuclear Physics International Collaboration (LENPIC2018), Ruhr-Universität Bochum, February 19-20, 2018.

22. J. Golak, R. Skibiński, K. Topolnicki, H. Witała, A. Grassi, H. Kamada, A. Nogga, L.E. Marcucci, "Radiative pion capture in ^{2}H, ^{3}He and ^{3}H", talk at the 15th International Workshop on Meson Physics, Cracow, Poland, June 7-12, 2018.

23. J. Golak, E. Epelbaum, A. Grassi, H. Kamada, H. Krebs, P. Reinert, R. Skibiński, V. Soloviov, K. Topolnicki, V. Urbanevych, H. Witała, "Investigations of the Few-Nucleon Systems within the LENPIC Project", invited talk at the 24th European Conference on Few-Body Problems in Physics, University of Surrey, Guildford, United Kingdom, 2-6 September, 2019.

24. J. Golak, H. Witała, R. Skibiński, K. Topolnicki, "Teoretyczne badania układów kilkunukleonowych", zaproszony wykład w sesji równoległej na 45. Zjeździe Fizyków Polskich, Kraków, 13-18 września, 2019.

25. Jacek Golak, Henryk Witała, Hiroyuki Kamada, Roman Skibiński, Kacper Topolnicki (for the LENPIC Collaboration), "Theoretical investigations of three-nucleon systems", Seminar in Theoretical Physics at Okayama University of Science, Okayama University of Science, 13th March 2020.

26. J. Golak, A. Grassi, H. Kamada, R. Skibiński, W. Polyzou, H. Witała, "Electron and neutrino scattering off the deuteron. Yet another relativistic approach", invited talk at the 4th Meeting of the Low Energy Nuclear Physics International Collaboration (LENPIC2022), Ruhr-Universität Bochum, August 24-26, 2022.

27. J. Golak, R. Skibiński, H. Witała, D. Ramirez, V. Urbanevych, V. Chahar (for the LENPIC Collaboration), "Few-nucleon systems for nuclear physics", invited talk at the 44th Zakopane Conference on Nuclear Physics *E*xtremes of the Nuclear Landscape", Zakopane, August 28 - September 4, 2022.

28. J. Golak, V. Urbanevych, R. Skibiński, H. Witała, K. Topolnicki, V. Baru, A. A. Filin, E. Epelbaum, H. Kamada, A. Nogga, "Pion absorption from the lowest atomic orbital in ^{2}H, ^{3}H, and ^{3}He", talk at the 17th International Workshop on Meson Physics, Kraków, Poland, 22nd - 27th June 2023.